

Including Park Pilot
for retrofitting and
switches for veteran
cars and newer models



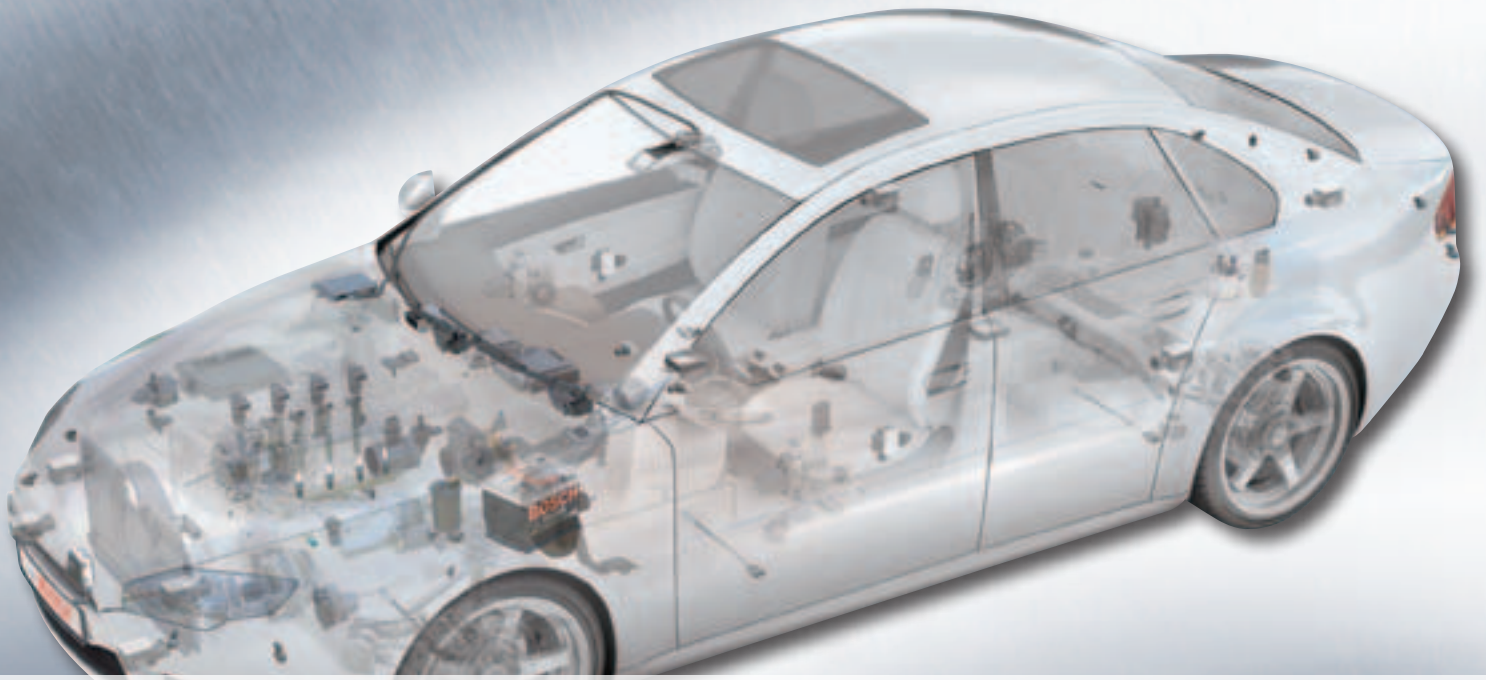
Accessories

2013 | 2014



BOSCH

Bosch accessories from one single source:
Quality that shows.



Bosch has the **solution**

Bosch is the world leader in new ideas and innovative products, and in the development and production of components and systems for automotive technology.

In the aftermarket sector too, drivers can also benefit from Bosch's high-quality services and many years of experience. Thanks to new technologies Bosch is setting worldwide standards in the automotive industry.

As well as spare parts and accessories for all vehicles, Bosch offers a comprehensive range of products for:

- ▶ Veteran cars and newer models
- ▶ Agricultural and construction machinery
- ▶ Motorcycles
- ▶ Boats
- ▶ Industrial machinery, and many more.

Workshops and dealers will find a complete range of accessories from A to Z, all in the familiar high Bosch quality.

de

Elektronischer
Katalog für Kraft-
fahrzeug-Ausrüstung

en

Electronic Catalogue
for Automotive Parts

fr

Catalogue électronique
de pièces détachées
et de rechange

it

Catalogo elettronico
per ricambi di
automobili

es

Catálogo electrónico
de los componentes
del automóvil



1 987 720 014

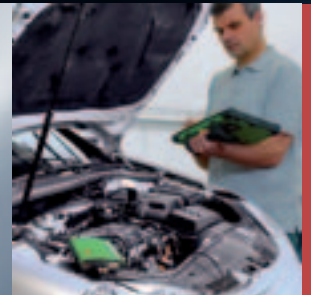
Einfacher und schneller
Zugriff auf Kfz-Ausrüstungs-
daten von Bosch in
18 Sprachen.

Easy and quick access to
vehicle application data
from Bosch in 18 languages.

Accès facile et rapide
aux données de rechange
automobile Bosch –
en 18 langues.

Ricerca semplice e
veloce dei dati Bosch di
equipaggiamento veicoli
in 18 lingue.

Fácil y rápido acceso
a la información de
equipamiento Bosch para
vehículos en 18 idiomas.



Reliable diagnostics
Time-saving repairs.
Bosch Diagnostics and spare parts.

Everything from a single source

Bosch offers the workshop a full range of products to increase efficiency and quality in everyday work.

From the global developer and leading manufacturer of automotive system technology, spare parts come in familiar original quality.

Bosch Diagnostics also offers workshops perfectly co-ordinated hardware and software, technical training, technical hotlines and knowledge database. All with a practical focus and covering all brands.

Expertise and quality – for the future of your workshop



Bosch parts fast and easy on:
www.bosch-automotive-catalog.com



BOSCH

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www.bosch.de/aa

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Application



B 2	Ignition-cables
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Part-number overview

(Lighting Technology)

		Type	
0 986 310 984	Light-Star LED	A 6	
0 986 310 985	Light-Star LED	A 6	
0 986 310 986	Light-Star Xenon ECE	A 7	
0 986 310 987	Light-Star Xenon ECE	A 7	
0 986 310 987	Light-Star ECE	A 8	
0 986 310 980	Light-Star ECE	A 8	
9 986 310 982	Light-Star Pencil Beam	A 9	
9 986 310 983	Light-Star Pencil Beam	A 9	
0 306 003 970	Rallye 225 Highlight ECE	A 10	
0 306 003 971	Rallye 225 Highlight ECE	A 10	
0 306 003 972	Rallye 225 Highlight Pencil Beam	A 11	
0 306 003 973	Rallye 225 Highlight Pencil Beam	A 11	
0 306 003 974	Rallye 225 Highlight Xeno ECE	A 12	
0 306 003 975	Rallye 225 Highlight Xeno ECE	A 12	
0 306 003 976	Rallye 225 Highlight Xeno ECE	A 12	
0 306 003 977	Rallye 225 Highlight Xeno ECE	A 12	
0 986 310 950	Pilot 175	A 13	
0 986 310 951	Pilot 175	A 13	
0 986 310 952	Pilot 225	A 14	
0 986 310 953	Pilot 225	A 14	
0 306 003 001	Rallye 225	A 15	
0 306 003 002	Rallye 225	A 15	
0 306 003 003	Rallye 225	A 15	
0 306 003 006	Rallye 225	A 15	
0 306 003 007	Rallye 225	A 15	
0 306 003 008	Rallye 225	A 15	
0 306 003 008	Rallye 225	A 15	
0 986 310 674	Rallye 175 Xenon	A 16	
0 986 310 533	Rallye 175 Halogen	A 17	
0 986 310 534	Rallye 175 Halogen	A 17	
0 305 606 001	Pilot 160	A 18	
0 305 606 002	Pilot 160	A 18	
0 305 606 901	Pilot 160	A 18	
0 306 407 001	Pilot 150	A 19	
0 306 407 101	Pilot 150	A 19	
0 306 407 901	Pilot 150	A 19	
0 986 310 537	Profi 210	A 20	
0 986 310 538	Profi 210	A 20	
0 305 002 001	Rallye 225	A 24	
0 305 603 001	Pilot 160	A 25	
0 305 603 002	Pilot 160	A 25	
0 305 603 901	Pilot 160	A 25	
0 305 603 902	Pilot 160	A 25	
0 305 406 001	Pilot 150	A 26	
0 305 406 105	Pilot 150	A 26	
0 986 310 539	Profi 210	A 27	
0 986 310 960	LED 135	A 34	
0 986 310 961	LED 135	A 34	
0 306 310 930	Pilot 100	A 35	
0 306 310 930	Pilot 100	A 35	
0 305 603 931	Pilot 100	A 35	
0 305 603 933	Pilot 100	A 35	
0 986 310 936	Pilot 135 Single Beam	A 36	
0 986 310 937	Pilot 135 Single Beam	A 36	
0 986 310 938	Pilot 135 Doube Beam	A 37	

	Type	
0 986 310 939	Pilot 135 Doube Beam	A 37
0 306 481 001	Pilot 140	A 38
0 306 481 002	Pilot 140	A 38
0 306 481 004	Pilot 140	A 38
0 306 481 003	Pilot 140	A 39
0 306 482 001	Pilot 145	A 40
0 306 482 003	Pilot 145	A 40
0 306 482 010	Pilot 145	A 40
0 306 484 001	Pilot 150	A 41
0 306 484 002	Pilot 150	A 41
0 986 319 934	Pilot 155	A 42
0 306 680 001	Pilot 160	A 43
0 986 310 675	Pilot X	A 44
0 986 310 676	Pilot X	A 44
0 986 310 677	Pilot X	A 44
0 986 310 678	Pilot X	A 44
0 306 080 002	Profi 210	A 45
0 306 080 003	Profi 210	A 45
0 306 382 001	Kiruna 140	A 43
7 782 332 011	RKLE 200 A Rotating beacon	A 52
7 782 332 209	RKLE 200 A Rotating beacon	A 52
7 782 332 404	RKLE 200 A Rotating beacon	A 52
7 782 334 009	RKLE 200 A Rotating beacon	A 52
7 782 334 207	RKLE 200 A Rotating beacon	A 52
7 782 334 404	RKLE 200 A Rotating beacon	A 52
7 782 322 011	RKLE 200 B1 Rotating beacon	A 53
7 782 322 405	RKLE 200 B1 Rotating beacon	A 53
7 782 324 011	RKLE 200 B1 Rotating beacon	A 53
7 782 324 207	RKLE 200 B1 Rotating beacon	A 53
7 782 324 404	RKLE 200 B1 Rotating beacon	A 53
7 782 332 207	RKLE 200 B1 Rotating beacon	A 53
7 782 362 008	RKLE 200 B2 Rotating beacon	A 54
7 782 362 207	RKLE 200 B2 Rotating beacon	A 54
7 782 362 404	RKLE 200 B2 Rotating beacon	A 54
7 782 364 007	RKLE 200 B2 Rotating beacon	A 54
7 782 364 207	RKLE 200 B2 Rotating beacon	A 54
7 782 364 404	RKLE 200 B2 Rotating beacon	A 54
7 782 372 004	RKLE 200 D Rotating beacon	A 55
7 782 372 204	RKLE 200 D Rotating beacon	A 55
7 782 372 403	RKLE 200 D Rotating beacon	A 55
7 782 374 203	RKLE 200 D Rotating beacon	A 55
7 782 374 405	RKLE 200 D Rotating beacon	A 55
7 782 332 008	RE-60 A Rotating beacon	A 56
7 782 334 007	RE-60 A Rotating beacon	A 56
7 782 332 009	RE-60 FLX Rotating beacon	A 57
7 782 334 008	RE-60 FLX Rotating beacon	A 57
7 782 324 012	RE-60 B Rotating beacon	A 58
7 782 332 012	RE-60 B Rotating beacon	A 58
7 782 372 003	RE-60 D Rotating beacon	A 59
7 782 374 005	RE-60 D Rotating beacon	A 59
7 782 319 052	RSWA 100/RSWF 100 Floodlight	A 60
7 782 319 054	RSWA 100/RSWF 100 Floodlight	A 60

Auxiliary lamps – Driving lamps

Range overview



A6/7/8/9

Light-Star – Driving lamp.
Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.



A10/11/12

Rallye 225 Highlight – Driving lamp.
Innovative, modern design with LED position light as standard. Extremely robust die-cast aluminum housing for passenger, commercial, emergency service and off-road vehicles.



A15/16/17

Rallye – Driving lamp.
Exceptionally high lighting efficiency thanks to large and deep reflector. Tried and tested in motor sport. Also available in Xenon technology and as a fog lamp.



A13/14

Pilot 175, 225 – Driving lamps.
Sporty halogen driving lamp with glass fiber-reinforced polyamide housing. Available in two different sizes.



A18/19

Pilot – Driving lamp.
Extra-flat housing. Specially designed for mounting on narrow bumpers. Version without mounting base is suitable for installation in spoiler or radiator grille. Also available as a fog lamp.



A20

Profi – Driving lamp.
Robust and resistant to vibration. Ideal for tough day-to-day use on commercial vehicles. Also available as a fog lamp.



Bosch auxiliary lamps

– for all types of vehicles and applications



Bosch supplies a comprehensive range

of auxiliary lamps for all vehicles. Choose outstanding quality, unique design and enhanced safety thanks to more light on the road. Bosch auxiliary lamps improve the standard lighting profile of your vehicle. This gives you better visibility and valuable extra time to react more quickly to changing traffic situations. These seconds can be critical for your safety.

Xenon or halogen

Some Bosch auxiliary lamps are already equipped with the latest Xenon gas discharge technology. Compared to a headlamp with a halogen bulb of the same size, this means up to three times more light. In addition, Xenon headlamps deliver a light color similar to daylight, improving driving comfort.

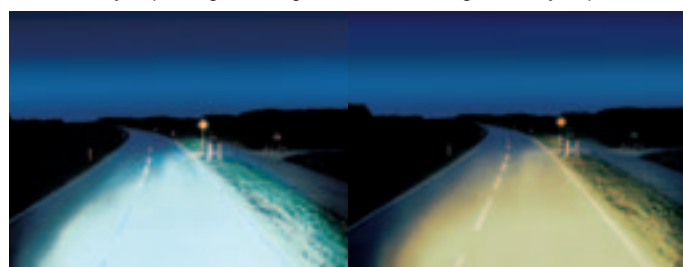
Which light do you prefer?

Bosch auxiliary lamps are available with two different light profiles. “Wide/long” for a normal light profile. “Narrow/long” for those who prefer longer but narrower illumination. The advantage of mounting multiple auxiliary lamps: The two light profiles can be combined to achieve maximum light yield. The wide/long light profiles have ECE approval.

Bosch is continuously advancing the technology in its auxiliary lamps. To adapt the additional lighting capacity for today’s aerodynamic vehicles, exceptionally small and compact auxiliary lamps are needed. One result of this development is the Bosch Compact 100, which delivers up to 50 % more light compared to conventional ultra driving lamps of the same size. This is because the computer-designed reflector surface ensures more effective light distribution, illuminates the road more evenly and lights up the sides of the road better than conventional headlamps.

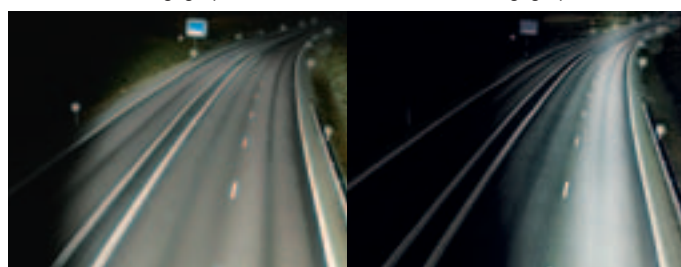
Xenon auxiliary lamps with gas discharge bulb

Halogen auxiliary lamps



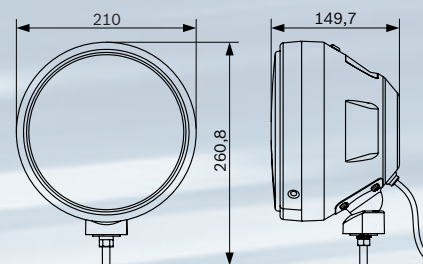
Wide/long light profile

Narrow/long light profile



Light-Star LED

Halogen/LED



Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles. With the latest generation, high-power LED ring.

Headlamp housing

Stainless steel housing, polished.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

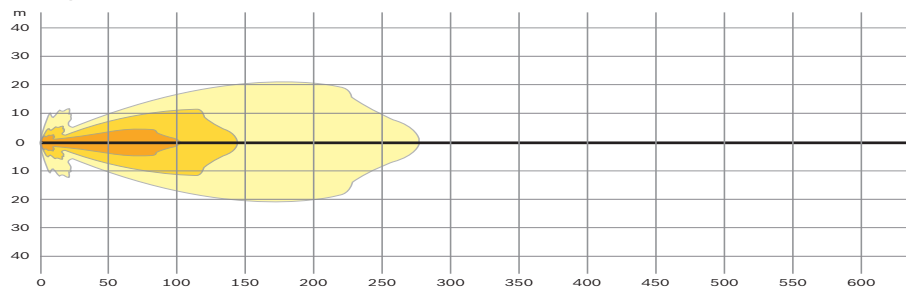
Headlamp, operating instructions, installation material.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Light-Star LED

ECE, colorless	0 986 310 984
ECE, blue	0 986 310 985¹⁾

Accessories and spare parts

Driving-lamp unit, ECE, colorless	1 987 305 130
Driving-lamp unit, ECE, blue	1 987 305 131¹⁾

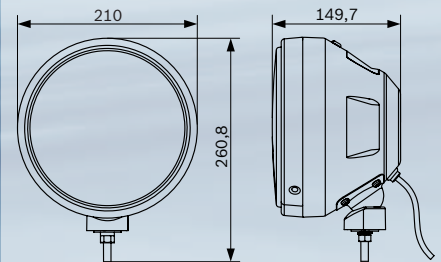
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Light-Star Xenon ECE

Xenon



Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles. With integral xenon control unit in the housing for greater reliability and convenience.

Headlamp housing

Stainless steel housing, polished.

Lens

Colorless.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

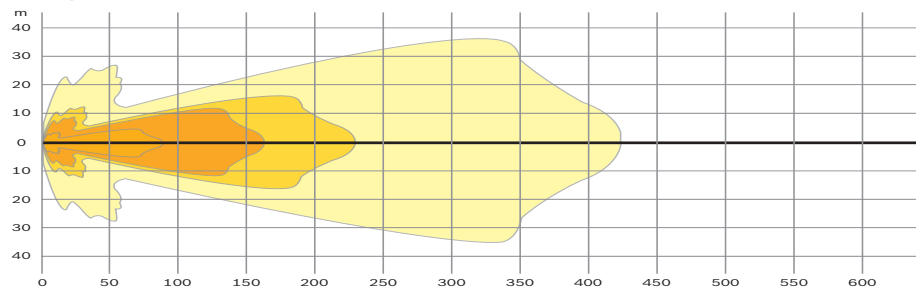
Headlamp, gas-discharge lamp D1S, control unit, complete cable connection set and marker lamp W5W, operating instructions, installation material.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 37,5



Light-Star Xenon ECE

Xenon ECE, 12 V colorless **0 986 310 986¹⁾**

Xenon ECE, 24 V colorless **0 986 310 987¹⁾**

Accessories and spare parts

Driving-lamp unit, **1 987 305 132¹⁾**

Xenon ECE, colorless

Xenon-Controller 12 V **1 987 305 138**

Xenon-Controller 24 V **1 987 305 139**

Type of bulb

D1S 35 W **1 987 302 905**

W5W 12 V/5 W **1 987 302 206**

W5W 24 V/5 W **1 987 302 518**

¹⁾ Observe legal regulations and safety instructions.

Light-Star ECE

Halogen



Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.

Headlamp housing

Stainless steel housing, polished.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

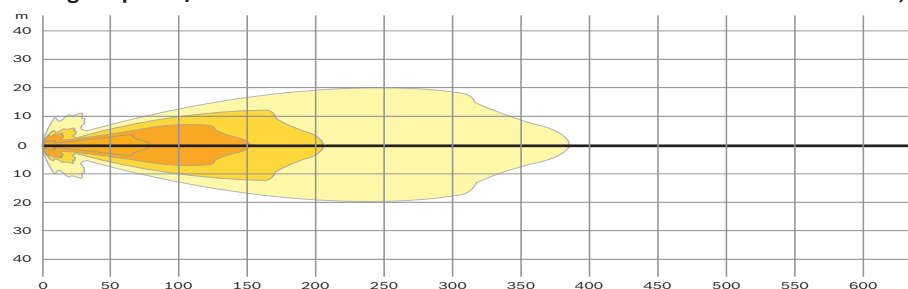
Headlamp, operating instructions, installation material.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 37,5



Light-Stat ECE

ECE, colorless	0 986 310 980
ECE, blue	0 986 310 981¹⁾

Accessories and spare parts

Driving-lamp unit, ECE, colorless	1 987 305 126
Driving-lamp unit, ECE, blue	1 987 305 127¹⁾

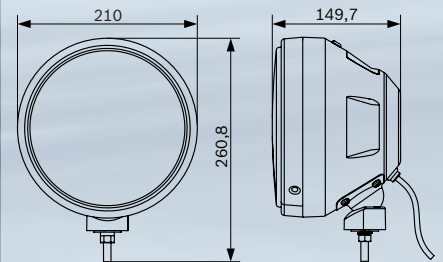
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
W5W	12 V/5 W	1 987 302 206
W5W	24 V/5 W	1 987 302 518

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Light-Star Pencil Beam

Halogen



Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.

Headlamp housing

Stainless steel housing, polished.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

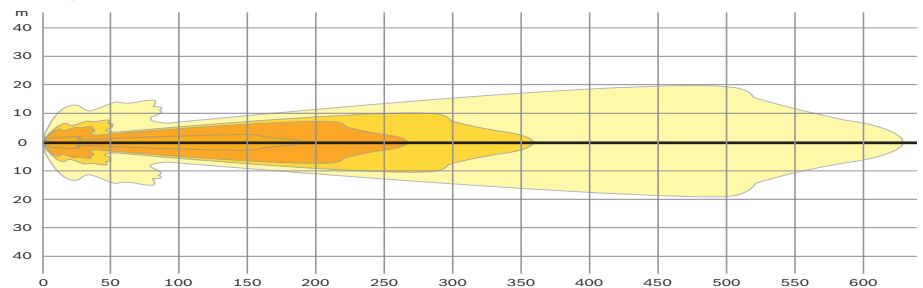
Scope of delivery

Headlamp, operating instructions, installation material.

Standard

Observe legal regulations and safety instructions.

Driving lamp 12 V/55 W



Light-Star Pencil Beam

Pencil Beam, colorless	0 986 310 982¹⁾
Pencil Beam, blue	0 986 310 983¹⁾

Accessories and spare parts

Driving-lamp unit,	1 987 305 128¹⁾
Pencil Beam, colorless	
Driving-lamp unit,	1 987 305 129¹⁾
Pencil Beam, blue	

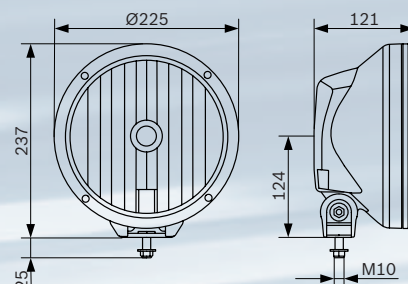
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
W5W	12 V/5 W	1 987 302 206
W5W	24 V/5 W	1 987 302 518

¹⁾ Observe legal regulations and safety instructions.

Rallye 225 Highlight ECE

Halogen/LED



Elegant design for optimum light efficiency and added safety. With innovative LED position light as standard.

Headlamp housing

Extra robust die-cast aluminum housing.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Assembly parts

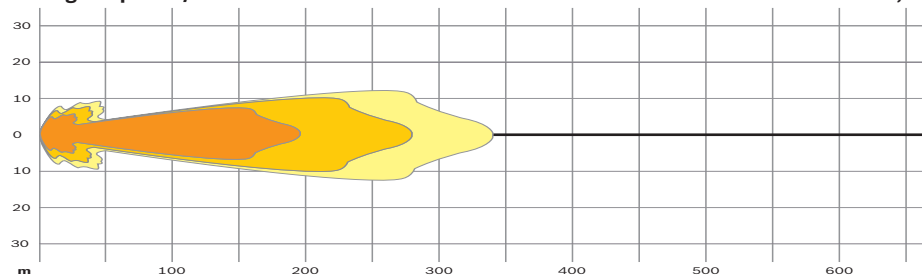
Included in scope of delivery.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 37,5



Rallye 225 Highlight ECE

ECE, colorless	0 986 310 970
ECE, blue	0 986 310 971¹⁾

Accessories and spare parts

Driving-lamp unit, ECE colorless	1 987 305 118
Driving-lamp unit, ECE blue	1 987 305 119¹⁾

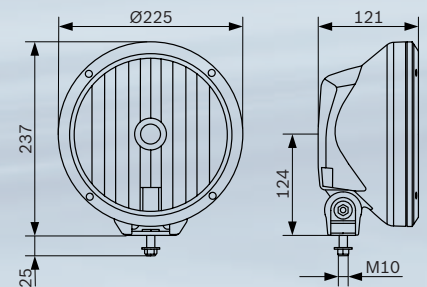
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Rallye 225 Highlight Pencil Beam

Halogen/LED



Elegantes Design für optimale Lichtausbeute und mehr Sicherheit. Serienmäßig mit innovativem LED-Positionslicht.

Headlamp housing

Extra robust die-cast aluminum housing.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Assembly parts

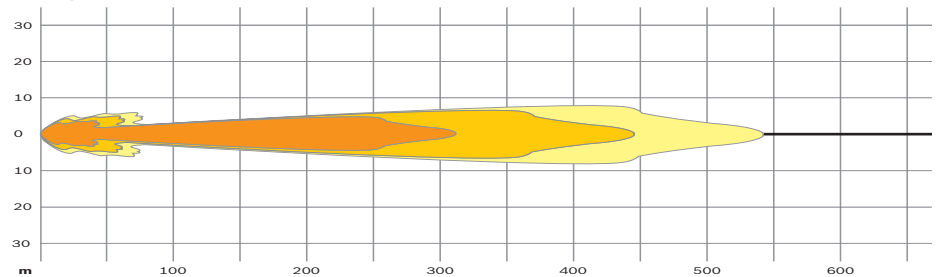
Included in scope of delivery.

Standard

Observe legal regulations and safety instructions.

Driving lamp 12 V/55 W

Reference number: 37,5



Rallye 225 Highlight Pencil Beam

Pencil Beam, colorless **0 986 310 972¹⁾**

Pencil Beam, blue **0 986 310 973¹⁾**

Accessories and spare parts

Driving-lamp unit, **1 987 305 120¹⁾**

Pencil Beam, colorless

Driving-lamp unit, **1 987 305 121¹⁾**

Pencil Beam, blue

Type of bulb

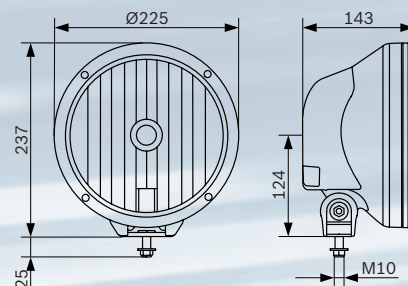
H1 12 V/55 W **1 987 302 011**

H1 24 V/70 W **1 987 302 411**

¹⁾ Observe legal regulations and safety instructions.

Rallye 225 Highlight Xenon ECE

Xenon/LED



Elegant design for optimum light efficiency and added safety. With innovative LED position light as standard.

Headlamp housing

Extra robust die-cast aluminum housing.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Assembly parts

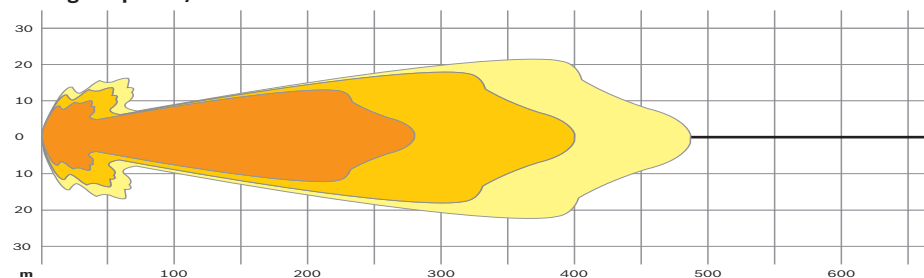
Included in scope of delivery.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 45



Rallye 225 Highlight Xenon ECE

Xenon ECE, 12V, colorless **0 986 310 974¹⁾**

Xenon ECE, 12V, blue **0 986 310 975²⁾**

Xenon ECE, 24V, colorless **0 986 310 976¹⁾**

Xenon ECE, 24V, blue **0 986 310 977²⁾**

Accessories and spare parts

Driving-lamp unit, **1 987 305 122¹⁾**

Xenon ECE colorless

Driving-lamp unit, **1 987 305 123²⁾**

Xenon ECE blue

Type of bulb

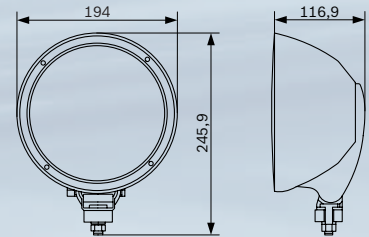
D1S 35 W **1 987 302 905**

¹⁾ Observe legal regulations and safety instructions.

²⁾ Operate blue ECE version with colorless bulbs only, D1S.

Pilot 175

Halogen



Modern design paired with safety.
The high-grade chrome ring is a real eye-catcher. The computer-calculated reflector guarantees maximum light efficiency.

Headlamp housing

Fiberglass reinforced impact-resistant polyamide housing, black.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Assembly parts

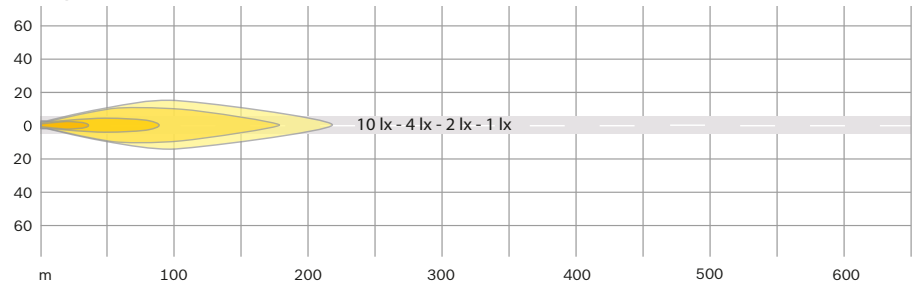
Included in scope of delivery.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Pilot 175

Colorless	0 986 310 950
Blue	0 986 310 951¹⁾

Accessories and spare parts

Driving-lamp unit, colorless	1 987 305 112
Driving-lamp unit, blue	1 987 305 114¹⁾
Protective cap	1 987 305 110

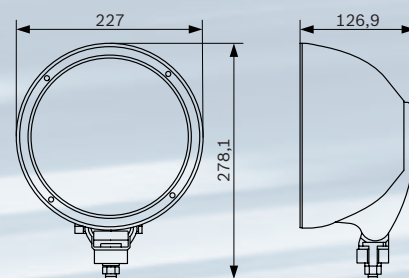
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
W5W	12V/5W	1 987 301 033
W5W	24V/5W	1 987 302 518

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Pilot 225

Halogen



Modern design paired with safety.
The high-grade chrome ring is a real eye-catcher. The computer-calculated reflector guarantees maximum light efficiency.

Headlamp housing

Fiberglass reinforced impact-resistant polyamide housing, black.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Assembly parts

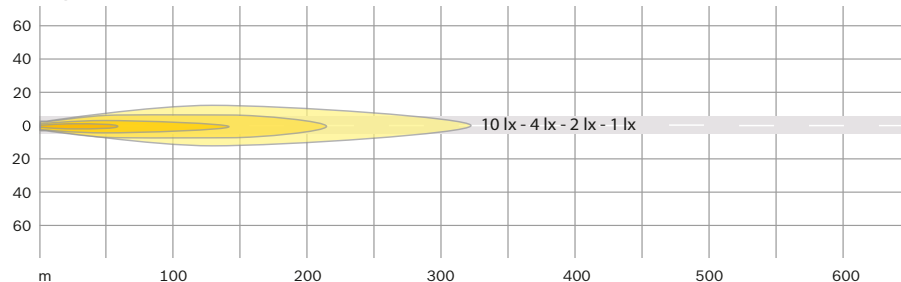
Included in scope of delivery.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 37,5



Pilot 225

Colorless	0 986 310 952
Blue	0 986 310 953¹⁾

Accessories and spare parts

Driving-lamp unit, colorless	1 987 305 113
Driving-lamp unit, blue	1 987 305 115¹⁾
Protective cap	1 987 305 111

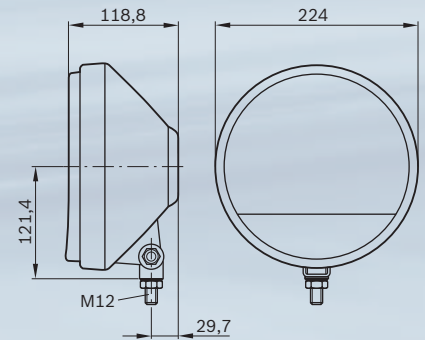
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
W5W	12V/5W	1 987 301 033
W5W	24V/5W	1 987 302 518

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Rallye 225

Halogen



Robust auxiliary lamp – developed for rally sport. Optimum light and best road illumination for heavy-duty applications. With or without side-marker lamp.

Headlamp housing

Waterproof steel housing, black resicoated.

Lens

Colorless or blue. Lens aperture \varnothing 205 mm.

Attachment

With M12 threaded stud.

Mounting

Upright.

Assembly parts

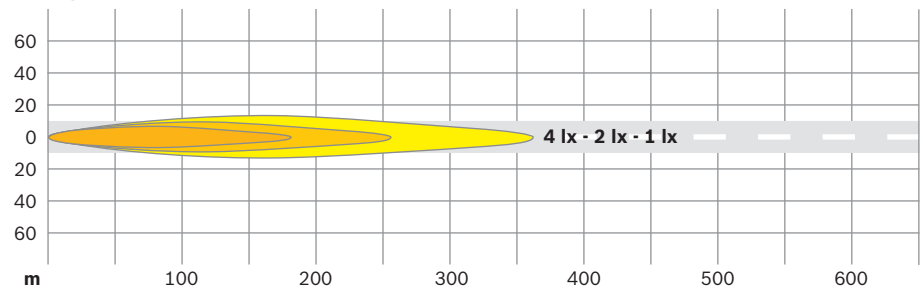
Included in scope of delivery.

Standard

Observe legal regulations and safety instructions.

Driving lamp 12 V/55 W

Reference number: 37,5



Rallye 225

Without E-approval with protective cap	0 306 003 001
Colorless, without side-marker lamp	0 306 003 002
Colorless, with side-marker lamp	0 306 003 006
Blue, with side-marker lamp	0 306 003 008²⁾
Colorless, with pencil beam	0 306 003 003¹⁾
Colorless, with Pencil beam and side-marker lamp	0 306 003 007¹⁾
Blue, with pencil beam	0 306 003 009²⁾

Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431
T 4 W	12 V/4 W	1 987 302 207
T 4 W	24 V/4 W	1 987 302 512

Accessories and spare parts

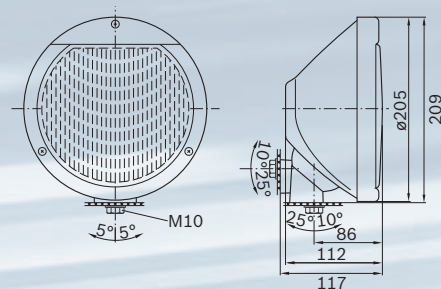
Protective cap	1 300 516 018
Unit, ECE, colorless	1 300 334 910
Colorless, Unit with Pencil beam	1 305 334 908¹⁾
Unit, ECE, blue	1 305 334 925²⁾

¹⁾ Observe legal regulations and safety instructions.

²⁾ Operate blue ECE version with colorless bulbs only, T4W, H3.

Rallye 175

Xenon



Auxiliary lamp for a wide variety of applications. Optimum homogeneous light distribution. Suitable for use in even the toughest of weather conditions.

Headlamp housing

Fiberglass reinforced plastic, matte black surface.

Lens

Colorless.

Attachment

With M10 threaded stud.

Mounting

Upright, suspended and side-mounted with up to 90° adjustable base.

Scope of delivery

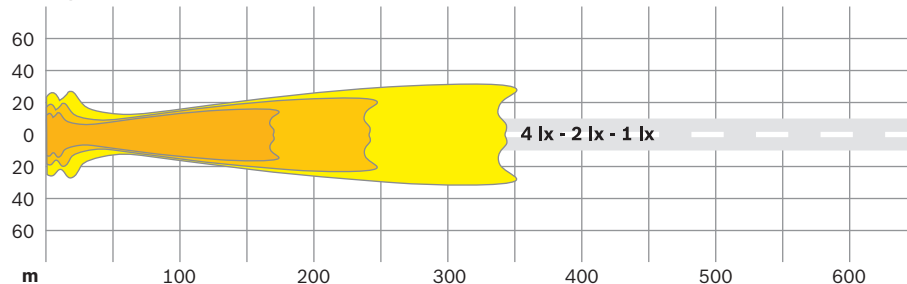
□ SB packaging, 1 headlamp with D1S gaseous-discharge lamp, control unit, electrical connecting parts, operating instructions.

Standard

ECE approval.

Driving lamp 12 V/55 W / Xenon

Reference number: 37,5



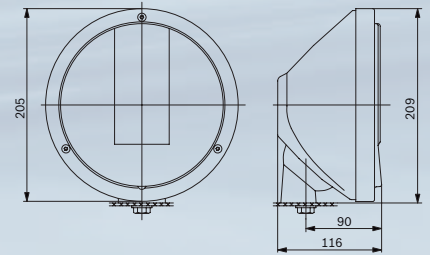
Rallye 175 Xenon	
Colorless 12 V	0 986 310 674

Accessories and spare parts	
Xenon control unit with 80 cm high-voltage cable 12 V	0 986 310 208
Relay 12 V	0 332 019 150

Type of bulb	
Gaseous-discharge lamp D1S, 35 W	1 987 302 905

Rallye 175

Halogen



Auxiliary lamp for a wide variety of applications. Optimum homogeneous light distribution. Suitable for use in even the toughest of weather conditions.

Headlamp housing

Fiberglass reinforced plastic, matte black surface.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright, suspended and side-mounted with up to 90° adjustable base.

Scope of delivery

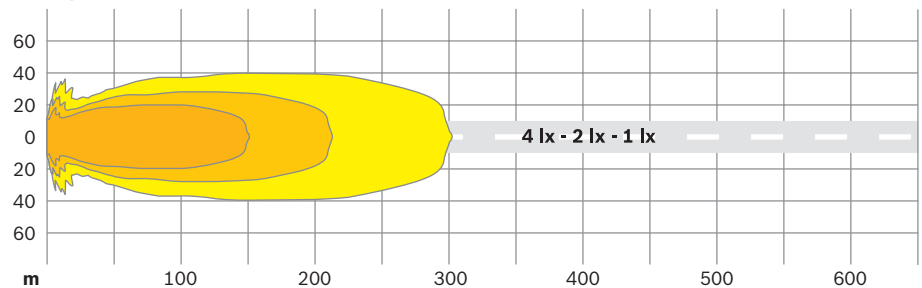
□ SB packaging, 1 headlamp with H1 halogen lamp, electrical connecting parts, operating instructions.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Rallye 175

Colorless	0 986 310 533
Blue	0 986 310 534¹⁾

Accessories and spare parts

Headlight unit, blue	1 987 305 075¹⁾
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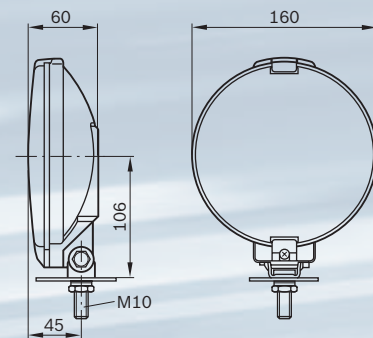
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
T 4 W	12 V/4 W	1 987 302 207
T 4 W	24 V/4 W	1 987 302 512

¹⁾ Operate blue ECE version with colorless bulbs only, T4W, H1.

Pilot 160

Halogen



The all-rounder for additional mounting as a driving lamp.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

Lens

Colorless.

Attachment

With M10 threaded stud.

Mounting

Optionally upright or suspended.

Scope of delivery

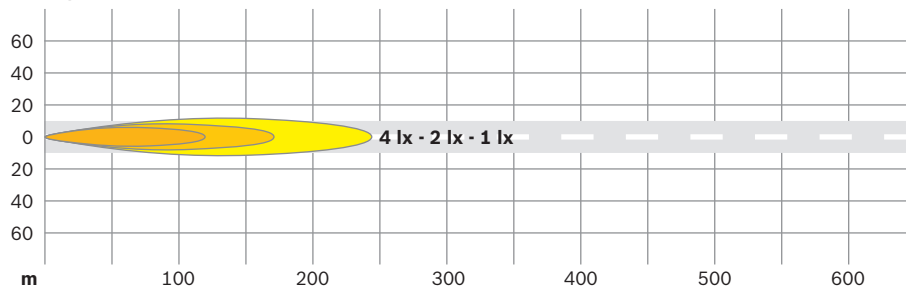
□ SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, assembly parts and installation instructions.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Pilot 160

Colorless	0 306 606 001
yellow	0 306 606 002
SB packaging	0 306 606 901 □

Accessories and spare parts

Protective cap	1 300 516 024¹⁾
Guard	1 305 501 153
Driving-lamp unit, colorless	1 305 334 915

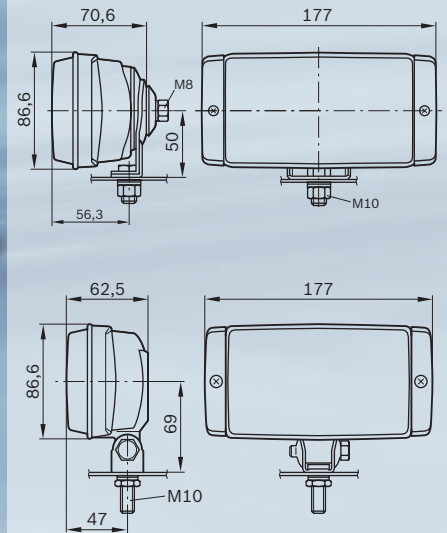
Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Observe legal regulations and safety instructions.

Pilot 150

Halogen



Extra-flat auxiliary lamp for vehicles with narrow bumper. Ideal for compact-class vehicles. Impact-resistant, fracture-proof and non-corroding.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

Lens

Colorless or yellow.

Mounting

Optionally upright, suspended and from rear.

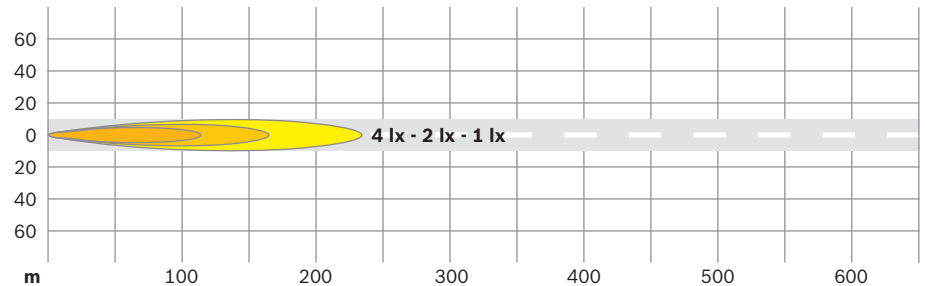
Scope of delivery

SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, switch, assembly parts and installation instructions (driving lamp without switch).

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W



Pilot 150

Colorless **0 306 407 101**

Attachment with threaded stud

Colorless **0 306 407 001**

SB packaging **0 306 407 901**

Accessories and spare parts

Protective cap **1 300 591 096¹⁾**

Guard **1 305 540 165**

Driving-lamp unit, colorless **1 305 354 935**

Holder for unit, colorless **1 301 091 002**

Type of bulb

H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

¹⁾ Observe legal regulations and safety instructions.

Profi 210

Halogen



Auxiliary lamp in steel housing. Robust and vibration-resistant. Scratch-resistant and non-corroding. Ideal for trucks and buses.

Headlamp housing

Waterproof steel housing. Version with yellow lens: Black resicoated housing.

Lens

Colorless, yellow or blue.

Attachment

With 2 screws at side or pivoting fastening bracket with M 10 threaded stud.

Mounting

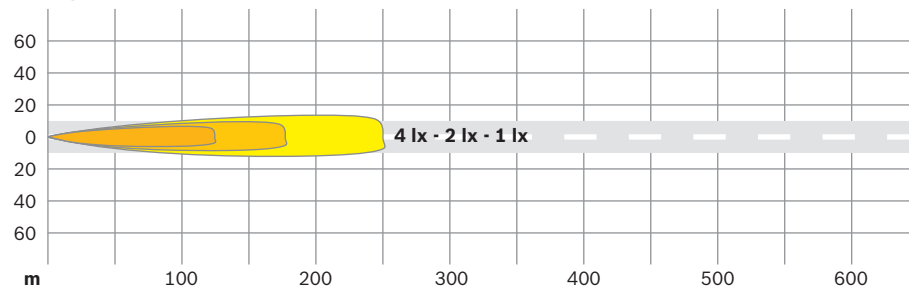
Upright and suspended.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Profi 210	
Colorless	0 986 310 537
Blue	0 986 310 538

Accessories and spare parts	
Protective cap	1 300 591 053¹⁾
Driving-lamp unit, colorless	1 305 320 818

Type of bulb		
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Observe legal regulations and safety instructions.

Auxiliary lamps – Fog lamps

Range overview



A20

Rallye – Fog lamp.

Exceptionally high lighting efficiency thanks to large and deep reflector. Tried and tested in motor sport. Also available as a driving lamp.



A21/22

Pilot – Fog lamp.

Extra-flat housing. Specially designed for mounting on narrow bumpers. Version without mounting base is suitable for installation in spoiler or radiator grille. Also available as a driving lamp.



A23

Profi – Fog lamp.

Robust and resistant to vibration. Ideal for tough day-to-day use on commercial vehicles. Also available as a driving lamp.



Information



A total of two additional front fog lamps are permissible on each vehicle. These must be capable of being switched on and off separately from the upper and lower-beam headlamps. They may only be switched on together with the lower-beam headlamps. Adjustment is as for the main headlamps. Adjustment dimensions and statutory regulations must always be adhered to.

There are three different optical principles for additional fog lamps:

Paraboloid

A parabolic reflector reflects paraxial light (such as upper beam), which is drawn out into a horizontal band by the lens. A screen restricts the upward radiation of light.

Free-form technology

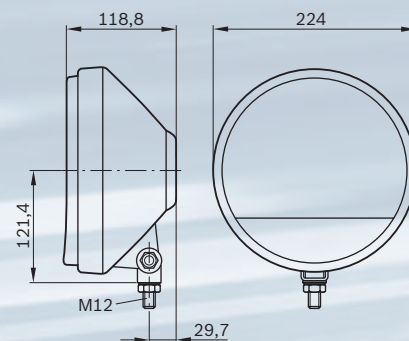
Using computer-aided calculation methods (CAL technology), reflectors are designed to scatter the light directly and at the same time produce a sharply defined light-dark cutoff. The design of the bulb surround ensures an extremely high light volume with maximum diffusion.

PES fog lamps

In fog, this technology ensures a minimum of dazzle for the driver from his/her own lamps. The lens helps to ensure the best-possible light-dark cutoff contrast on the road.

Rallye 225

Halogen



Robust auxiliary lamp – developed for rally sport. Optimum light and best road illumination for heavy-duty applications.

Headlamp housing

Waterproof steel housing, black resicoated.

Lens

Colorless. Lens aperture \varnothing 205 mm.

Attachment

With M12 threaded stud.

Mounting

Upright.

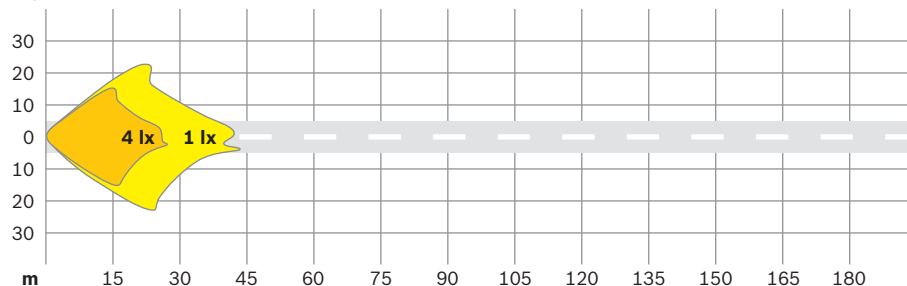
Scope of delivery

Assembly parts included.

Standard

ECE approval.

Fog lamp 12 V/55 W



Rallye 225	
Colorless	0 305 002 001

Accessories and spare parts	
Protective cap	1 300 516 018¹⁾²⁾
Fog-lamp unit, colorless	1 305 334 911

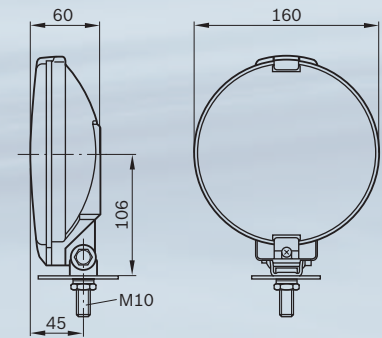
Type of bulb		
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431
T 4 W	12 V/4 W	1 987 302 207
T 4 W	24 V/4 W	1 987 302 512

¹⁾ Observe legal regulations and safety instructions.

²⁾ Available while stocks last.

Pilot 160

Halogen



The all-rounder for additional mounting as a fog lamp.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

Lens

Colorless or yellow.

Attachment

With M10 threaded stud.

Mounting

Optionally upright or suspended.

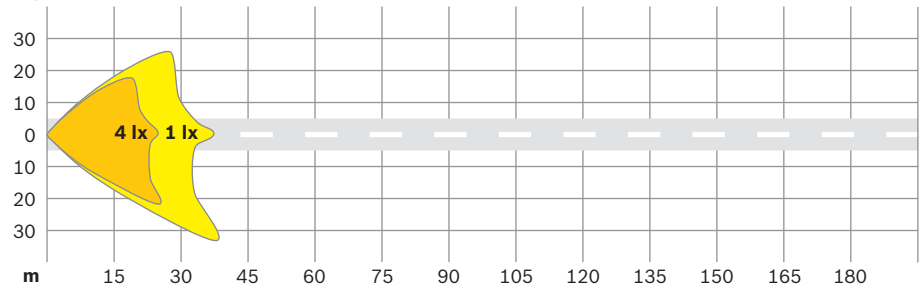
Scope of delivery

□ SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, switch, assembly parts and installation instructions.

Standard

ECE and SAE approval.

Fog lamp 12 V/55 W



Pilot 160

Colorless	0 305 603 001
SB packaging	0 305 603 901 □
Yellow	0 305 603 002
SB packaging	0 305 603 902 □

Accessories and spare parts

Fog-lamp unit, colorless	1 305 334 913
Fog-lamp unit, yellow	1 305 334 914

Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Observe legal regulations and safety instructions.

Pilot 150

Halogen



Extra-flat auxiliary lamp for vehicles with narrow bumper. Ideal for compact-class vehicles. Impact-resistant, fracture-proof and non-corroding.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

Lens

Colorless or yellow.

Mounting

Optionally upright, suspended and from rear.

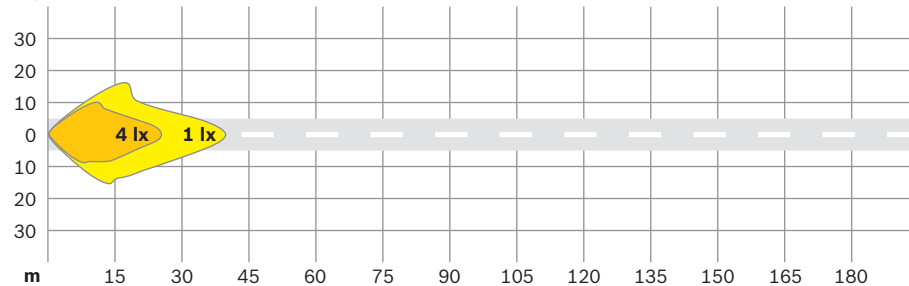
Scope of delivery

□ SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, assembly parts and installation instructions.

Standard

ECE and SAE approval.

Fog lamp 12 V/55 W



Pilot 150

Mounting from rear or upright and suspended with fastening bracket

Colorless	0 305 406 101
with hardened lens	0 305 406 105

Attachment with threaded stud

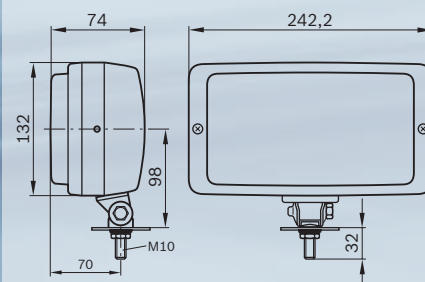
Colorless	0 305 406 001
SB packaging	0 305 406 901 □
Yellow	0 305 406 002
SB packaging	0 305 406 902 □

Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

Profi 210

Halogen



Fog lamp in steel housing. Robust and vibration-resistant. Scratch-resistant and non-corroding. Ideal for trucks and buses.

Headlamp housing

Waterproof steel housing.

Lens

Colorless or yellow.

Attachment

Pivoting fastening bracket with M10 threaded stud.

Mounting

Upright and suspended.

Standard

ECE approval.

Profi 210

Colorless	0 986 310 539
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Accessories and spare parts

Protective cap	1 300 591 053¹⁾
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Fog-lamp unit, colorless	1 305 320 816
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Type of bulb

H3	12 V/55 W	1 987 302 031
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H3	24 V/70 W	1 987 302 431
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¹⁾ Observe legal regulations and safety instructions.

Flood and spot lamps

Range overview



A30

LED 135 – The innovative LED135 floodlamp and spot lamp ensures unbeatable light efficiency and a long service life.



A31/32/33/38

Pilot 100, Pilot 135, Pilot 155 – Halogen floodlamps and spot lamps Efficient and suitable for all applications. Optionally available with one (single beam) or two (double beam) light sources.



**A34/35/36
A37/39**

Pilot 140, Pilot 145, Pilot 150, Pilot 160 – Halogen floodlamps and spot lamps, available in a wide range of designs.



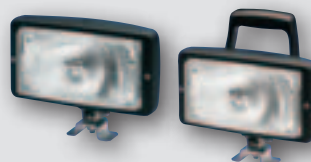
A40

Pilot X – The most compact, most powerful xenon floodlamp in its class.



A41

Profi – Exceptionally robust flood lamp, complete with guard.



A42

Kiruna 140 – Flood lamp, with option of handle and switch.



Information



Flood lamps

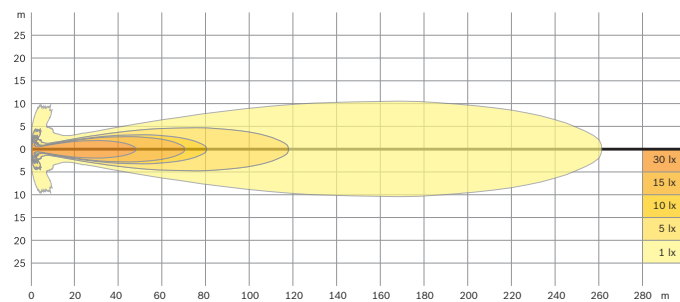
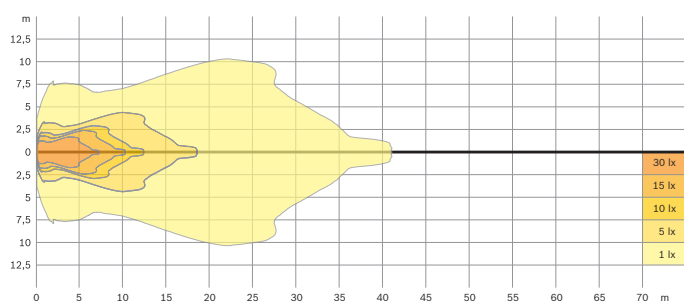
Flood lamps are used for illuminating stationary or mobile work-places. Their robust design makes flood lamps particularly well suited for mounting on commercial vehicles and opens up a wide variety of applications. Flood lamps are widely used in construction, agriculture and forestry, transport, municipal services, by the emergency services and in shipping.

Flood lamps feature large, uniform light distribution. This allows a large working area to be illuminated at close range.

Spot lamps

The densely concentrated light from a spot lamp is ideal when there is a need for targeted illumination of an object from a long distance. For example, spot lamps are used by the police, by fire brigades, and for technical assistance and emergency services. However, a spot lamp can also be useful in other specialist areas where there is a need for a strong searchlight, for example inland waterways for illuminating canals, locks or landing stages.

A spot lamp produces a narrow beam of concentrated high-intensity light, effectively illuminating a specific area at long range.



Flood and spot lamps



When you need to turn night into day

Anyone who has to work on vehicles at night or in poor daytime lighting conditions needs extra illumination of their working area. Standard sources of light are in no way adequate

The right lamps for every application

Bosch supplies a wide range of different flood lamps and spot lamps to suit every purpose. Flood lamps are used in situations requiring a broad light beam for uniform illumination of a large area.

By contrast, spot lamps provide a narrow beam of light for the concentrated illumination of a smaller, more distant area. Flood lamps and spot lamps feature a compact construction, which enables them to be easily mounted at various positions on a vehicle.

They also offer impressive flexibility: They can be swiveled to numerous positions and securely fixed at every point.

Top quality makes light of hard work

Many years' experience, continuous testing and strict production controls guarantee the premium quality of all flood lamps and spot lamps from Bosch. Outstanding quality features:

- ▶ High light yield thanks to reflects with a surface accuracy of 1/10,000 mm, ground using a special reflection method and smoothed by multiple lacquer coats
- ▶ Exceptionally vibration resistant and durable designs for tough applications
- ▶ Easy service construction for uncomplicated replacement of bulbs
- ▶ Vibration-damped versions available
- ▶ Splash-proof design

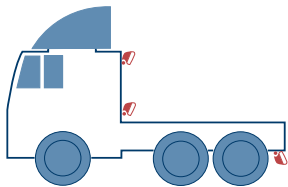
Attachment examples



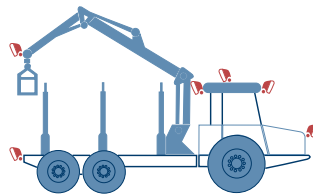
Bosch supplies a wide range of different lamp models. The sturdy attachment mechanism allows a variety of positions to suit different vehicle models and types. Extremely flexible angular adjustment to the front, rear and sides adds yet more application potential.



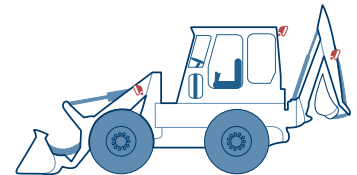
Optimum illumination for every application



Commercial vehicles / semi-trailer tractors



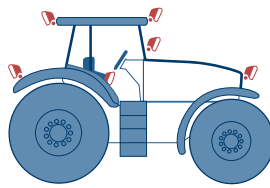
Forestry machines



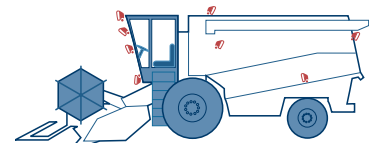
Wheel loaders / excavators



Fork-lift trucks



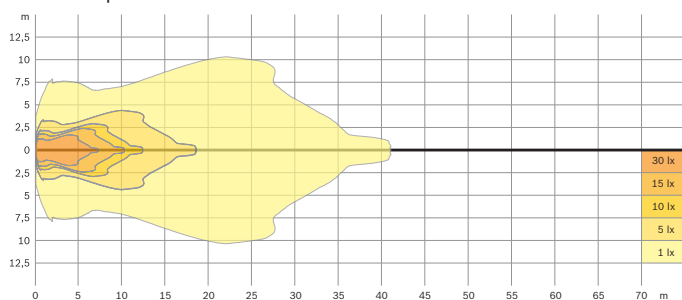
Tractors



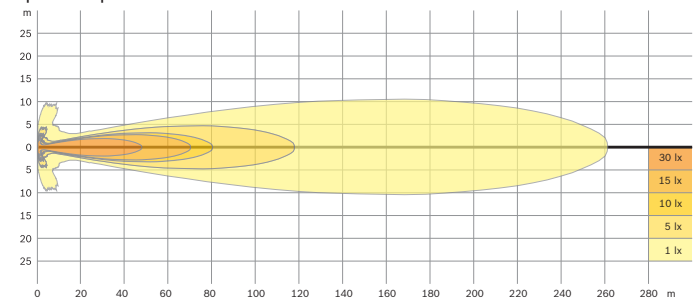
Combine harvesters

For every application the right lamps

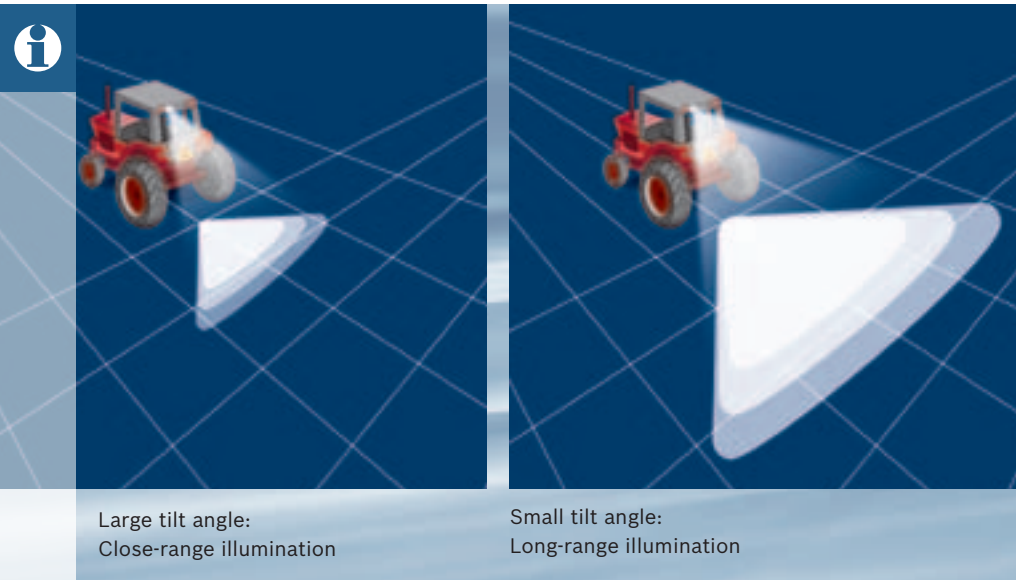
Flood lamp



Spot lamp



Ideal illumination IP degrees of protection



Ideal illumination! Practical hints

The attachment height and tilt angle are the critical parameters for obtaining optimum illumination with a flood lamp. The greatest area of illumination can be achieved with a small tilt angle (approx. 5°) and a high attachment position (approx. 2.5 m). Individual settings can be made to suit the relevant application.

Large tilt angle:
Close-range illumination

Small tilt angle:
Long-range illumination

IP degrees of protection

Safety you can rely on

Bosch places great emphasis on high quality materials and workmanship. These are essential for the reliable, long-term operation of products. An important indicator of the loads to which a lamp unit can be subjected is provided by the IP degree of protection (International Protection). IP degrees of protection specify the amount of protection afforded to electrical equipment by a housing. Various tests are performed to determine the exact degree of protection.

Two levels of protection are tested

Protection against the ingress of solid foreign matter (including dust), indicated by the first figure. Secondly, protection against the ingress of water, indicated by the second figure.

The structure of IP degrees of protection is as follows:

1st figure and supplementary K	Protection of electrical equipment against ingress
0	Not protected
1	Protection against foreign matter $\varnothing \geq 50$ mm
2	Protection against foreign matter $\varnothing \geq 12,5$ mm
3	Protection against foreign matter $\varnothing \geq 2,5$ mm
4	Protection against foreign matter $\varnothing \geq 1,0$ mm
5K	Dust protected
6K	Dust proof

2nd figure and supplementary K	Protection of electrical equipment against ingress
0	Not protected
1	Protection against vertical drops
2	Protection against drops from 15° angle
3	Protection against sprayed water
4	Protection against splash water
4K	Protection against splash water with increased pressure
5	Protection against water jets
6	Protection against strong water jets
6K	Protection against strong water jets with increased pressure
7	Protection against temporary immersion
9	Protection against temporary submersion
9K	Protection against high pressure/vapor pressure cleaning

LED lamps from Bosch

A big safety boost



Anyone who has ever worked at night or in poor lighting conditions knows how important good lighting is. Particularly in automotive engineering, LED technology opens up totally new horizons in providing more targeted and efficient lighting. For example, Bosch has developed the new LED 135 flood lamp and spot lamp. Even better visibility, enhanced safety and added convenience.



Tailored to your requirements

Bosch LED flood lamps deliver a broad and uniformly distributed light cone in the close-up range, Bosch LED spot lamps, meanwhile, provide a directed beam of concentrated bright light. Both feature a color temperature similar to daylight, easing the strain on the eyes and ensuring a pleasant working atmosphere.

Low power consumption

Bosch LED flood lamps feature minimal energy consumption. This is particularly beneficial where the alternator only provides a small amount of power or, for example on electric fork-lift trucks or special purpose vehicles, where a battery supplies the power.

Long service life and zero maintenance

Flood lamps often need to be used throughout the night. This would place huge demands on any lamps based on conventional technology. LED flood lamps from Bosch can comfortably cope with continuous use. They offer an impressively long service life thanks to the low power consumption and the small amount of heat generated. They are also maintenance free, which means that there is no need for troublesome bulb changes.

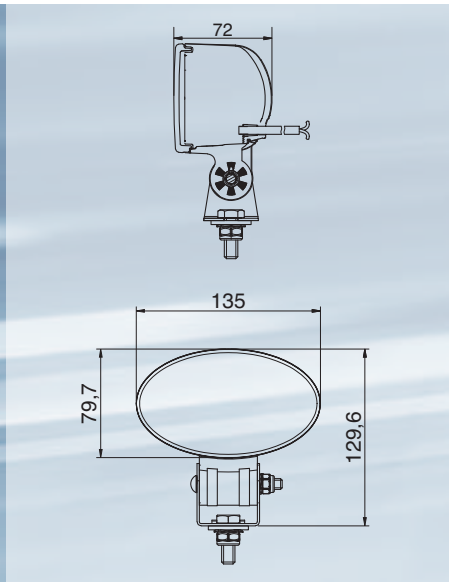
For the toughest conditions

Flood lamps and spot lamps need to be able to withstand plenty of punishment in day-to-day use. Which is why Bosch makes them exceptionally durable. The housing, attachments and supply lines feature high quality materials and painstaking workmanship. Bosch LED lamps also have another technical advantage: Their LEDs are much less sensitive, particularly to vibrations, than conventional bulbs. This durability also includes all of the electronics used in the Bosch LED lamps. By choosing Bosch, you can count on exceptional reliability and a long service life.

LED 135

Flood and spot lamps

LED



The Bosch LED 135 offers more than just superb light yield. The long service life of the entire lamp and its low power consumption make it the ideal working solution wherever there are stringent requirements in terms of additional lighting. The flood lamp has six high powered LEDs, the spot lamp seven (740 or 1,020 lumens). Available in 12 or 24 Volt versions. Protection category IP67.

Lamp housing

Aluminum,
Dimensions: 80 mm x 135 mm x 72 mm.

Attachment

ffUpright or suspended options available.

Mounting

ffWith swivel type forked holder for mounting on body or bumper Stud M 10.

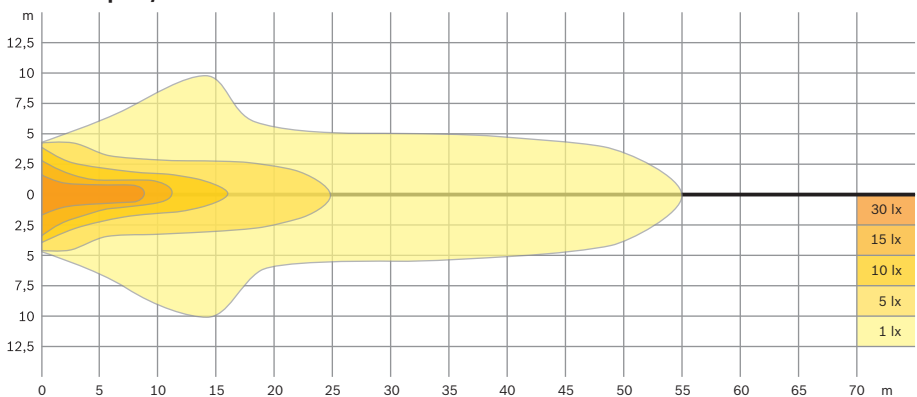
Electrical connection

Cable connection.

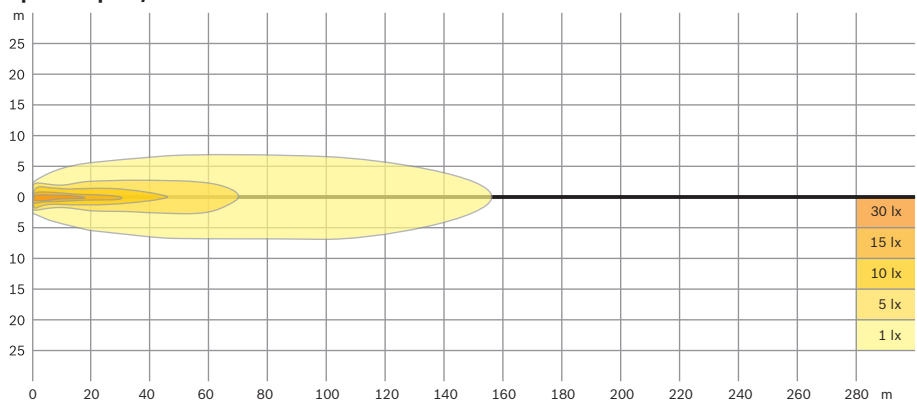
Scope of delivery

Individual packaging:
1 lamp including mounting parts.

Flood lamp 12/24 V



Spot lamp 12/24 V



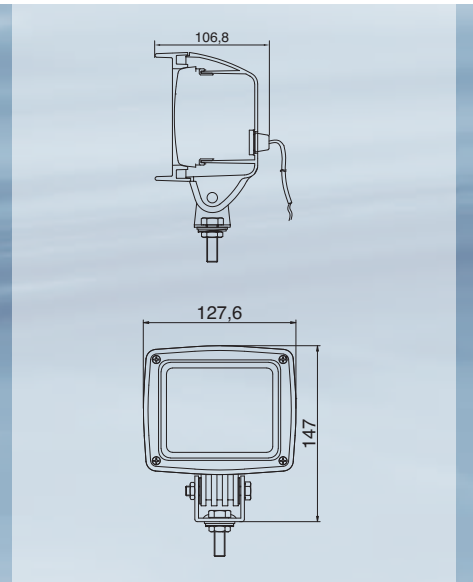
① Flood lamp LED 135
12/24 V 0 986 310 960

② Spot lamp LED 135
12/24 V 0 986 310 961

Pilot 100

Flood and spot lamps

Halogen



Halogen technology offers impressive value for money. The Pilot lamps have a compact design and a huge range of possible applications. Suitable for use as a flood or spot lamp depending on application. For 12 V with 55 W output or 24 V with 70 W available in protection category IP4K and IP6K9K..

Lamp housing

Glassfiber reinforced plastic
Dimensions: 147 mm x 128 mm x 107 mm.

Attachment

Upright.

Mounting

Stainless steel bracket
With swivel type forked holder for mounting on body or bumper, M 10 studs.

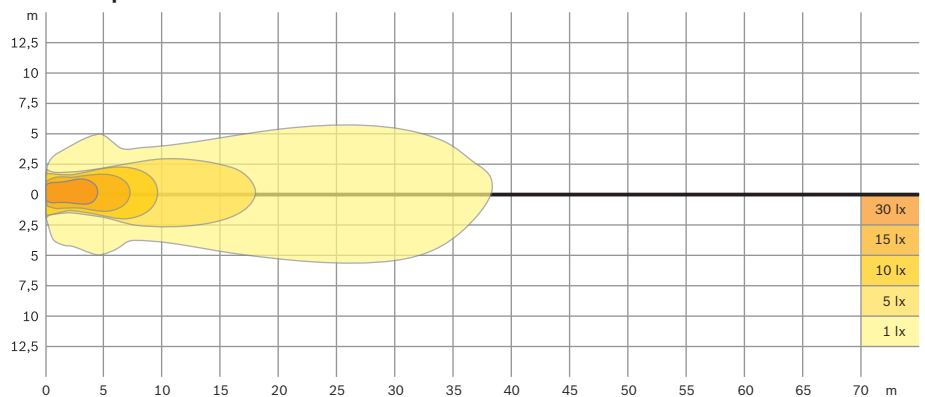
Electrical connection

Cable connection.

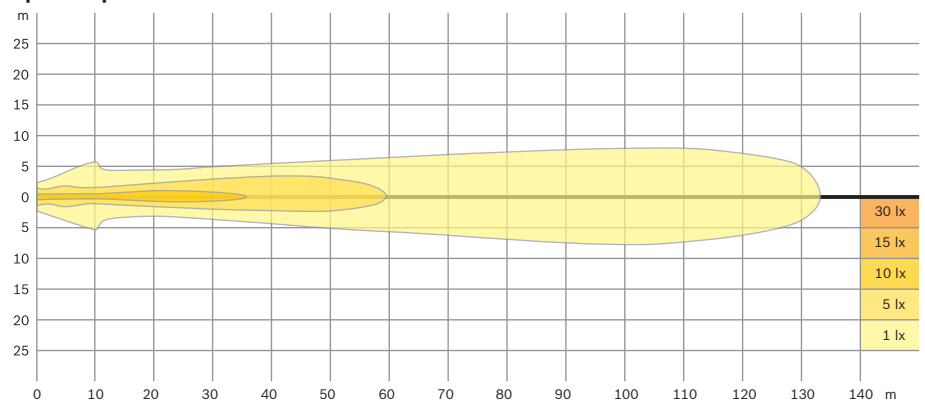
Scope of delivery

Individual packaging:
1 lamp including mounting parts.

Flood lamp

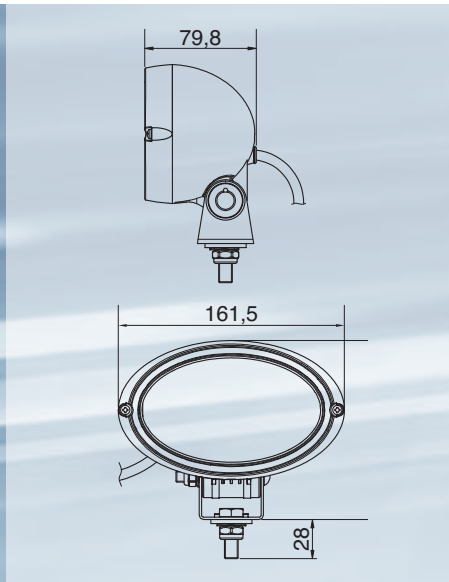


Spot lamp



Type of bulb			① Flood lamp Pilot 100	② Spot lamp Pilot 100
H3	12 V / 55 W	1 987 302 031	12 V IP4K 0 986 310 930	12 V IP4K 0 986 310 931
H3	24 V / 70 W	1 987 302 431	12 V IP6K9K 0 986 310 932	12 V IP6K9K 0 986 310 933

Pilot 135 Single Beam Flood and spot lamps Halogen



For everyone who needs plenty of light but doesn't have much space for auxiliary lamps. Single beam design, i.e. with one light source. Choice of flood lamp with broad light cone or spot lamp with narrow light cone and a longer range. For 12 V with 55 W output or 24 V with 70 W. Protection category IP6K9K.

Lamp housing

Glassfiber reinforced plastic
Dimensions: 128 mm x 162 mm x 80 mm.

Attachment

Upright.

Mounting

With swivel type forked holder for mounting on body or bumper, M 10 studs.

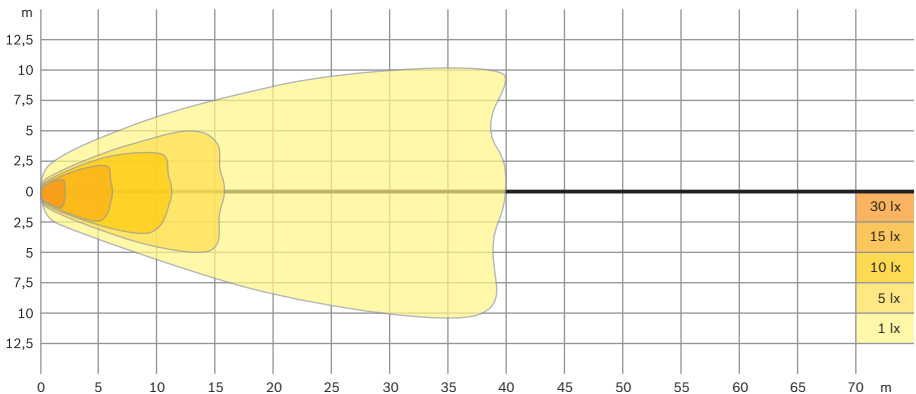
Electrical connection

Cable connection.

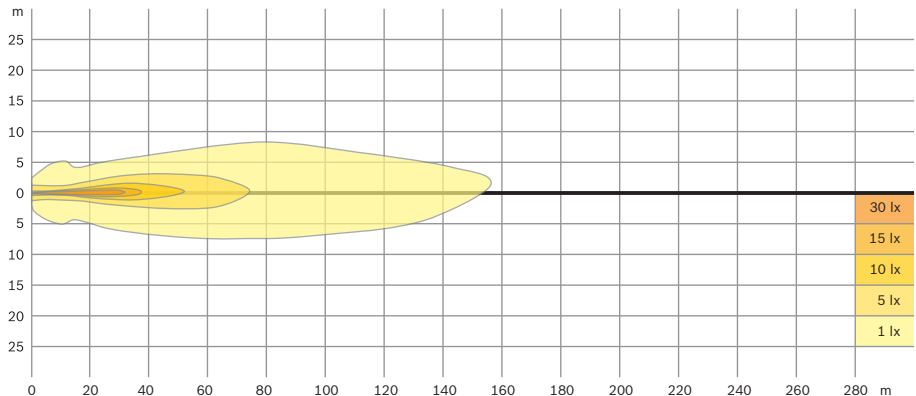
Scope of delivery

Individual packaging:
1 lamp including mounting parts

Flood lamp



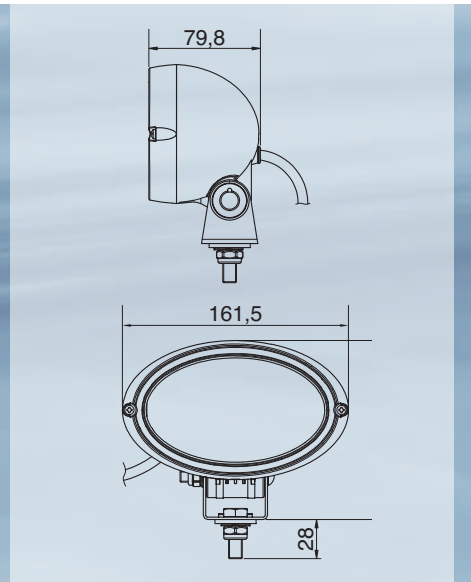
Spot lamps



① Flood lamp Pilot 135	
Single Beam	0 986 310 936
② Spot lamp Pilot 135	
Single Beam	0 986 310 937

Type of bulb		
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

Pilot 135 Double Beam
Flood and spot lamps
Halogen



For everyone who needs plenty of light but doesn't have much space for auxiliary lamps. Double beam design, i.e. with two light sources. Choice of flood lamp with broad light cone or spot lamp with narrow light cone and a longer range. For 12 V with 55 W output or 24 V with 70 W. Protection category IP6K9K.

Lamp housing

Glassfiber reinforced plastic
Dimensions: 128 mm x 162 mm x 80 mm.

Attachment

Upright.

Mounting

With swivel type forked holder for mounting on body or bumper, M 10 studs.

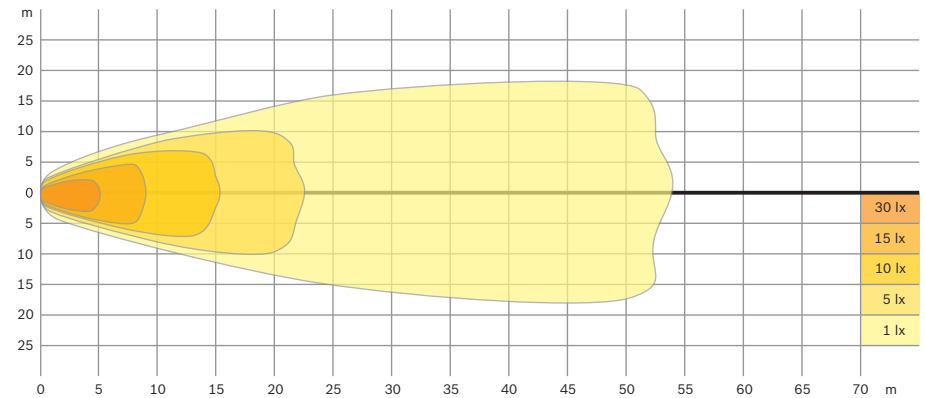
Electrical connection

Cable connection.

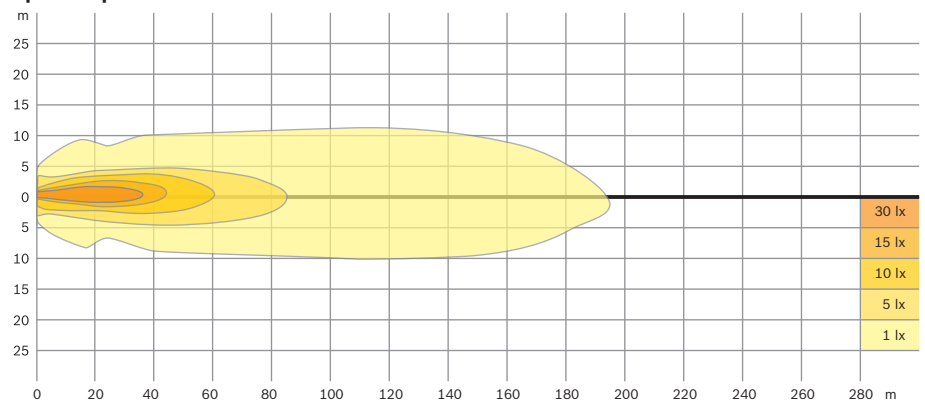
Scope of delivery

Individual packaging:
1 lamp including mounting parts

Flood lamp



Spot lamps



① Flood lamp Pilot 135

Double Beam **0 986 310 938**

② Spot lamp Pilot 135

Double Beam **0 986 310 939**

Type of bulb

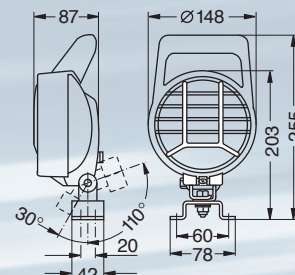
H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

Pilot 140

Flood lamp

Halogen



Waterproof flood lamp, available with or without practical handle and guard. For heavy-duty applications.

Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

Lens

Colorless lens, with waterproof bonding to reflector.

Mounting

Optionally upright or suspended.

Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

Pivoting range

30° forwards, 110° to rear, 360° lateral.

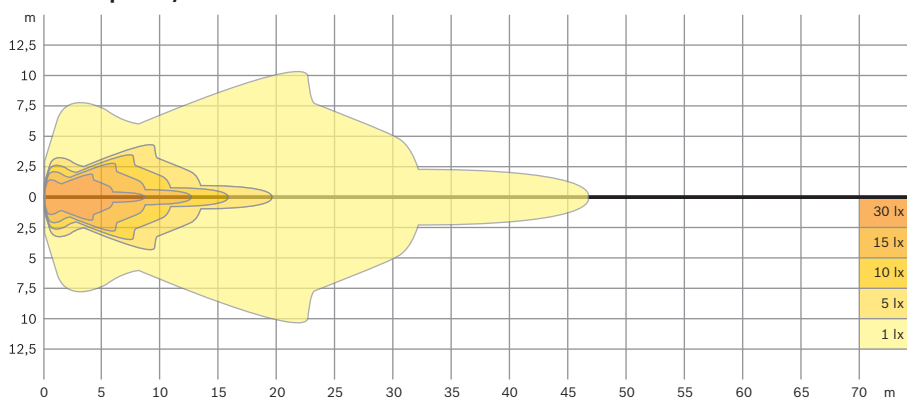
Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

Flood lamp 12 V/55 W



Pilot 140

Without handle, without guard	0 306 481 001
Without handle, without guard, ring-shaped bulb cover	0 306 481 002
With handle and guard	0 306 481 004

Accessories and spare parts

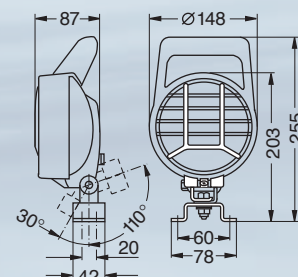
Guard without handle (for ...001)	1 305 501 121
Headlight unit	1 305 301 918
Fastening bracket	1 307 022 236

Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

Pilot 140

Spot lamp
Halogen



Spot lamp version with handle and guard. For heavy-duty applications.

Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

Lens

Colorless lens, with waterproof bonding to reflector.

Mounting

Optionally upright or suspended.

Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

Pivoting range

30° forwards, 110° to rear, 360° lateral.

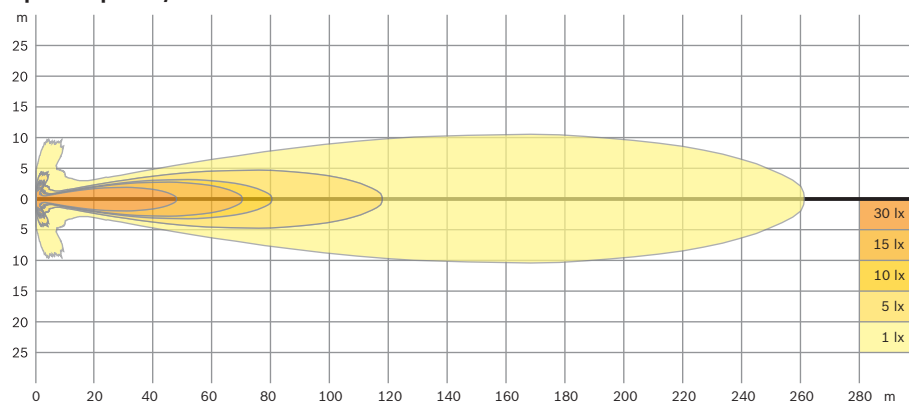
Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts.
Halogen H3 bulb to be ordered separately.

Spot lamp 12 V/55 W



Pilot 140

With handle and guard **0 306 481 003**

Accessories and spare parts

Headlight unit **1 305 301 917**

Fastening bracket **1 307 022 236**

Type of bulb

H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

Pilot 145

Flood lamp

Halogen



Versatile flood lamp for a wide range of applications. Available with or without handle and with or without fastening bracket.

Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

Lens

Colorless lens, with waterproof bonding to reflector.

Mounting

Optionally upright or suspended.

Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M6 bolts or pivoting, corrosion-resistant M10 threaded studs.

Pivoting range

30° forwards, 110° to rear, 360° lateral.

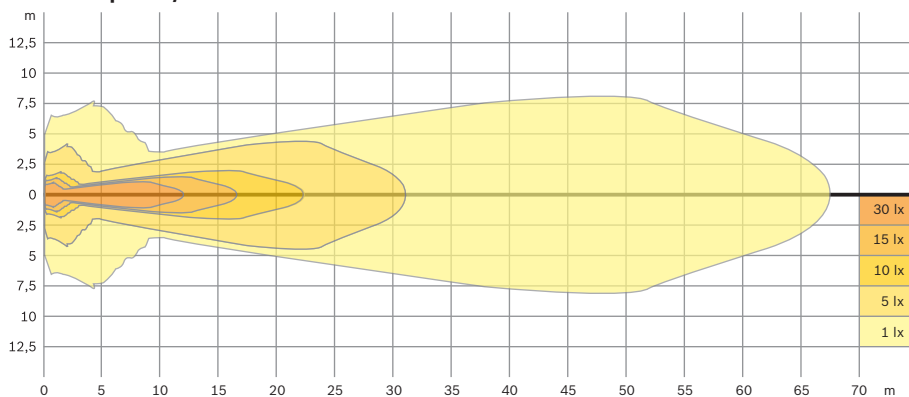
Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

Flood lamp 12 V/55 W



Pilot 145

With fastening bracket **0 306 482 001**

Without fastening bracket **0 306 482 010**

With handle, frame and fastening bracket **0 306 482 003**

Accessories and spare parts

Headlight unit **1 305 354 911**

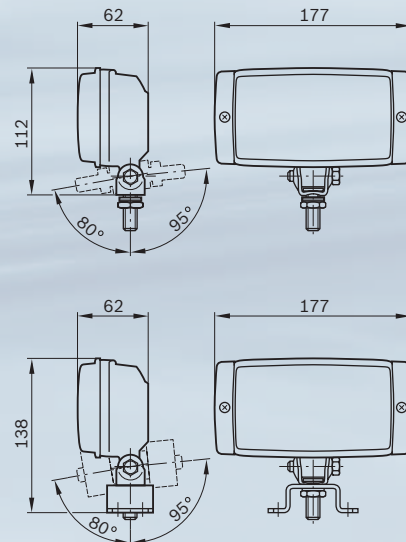
Type of bulb

H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

Pilot 150

Flood lamp
Halogen



Flood lamp with and without pivoting fastening bracket for flexible mounting
Universal application range. Optimum homogeneous light distribution.

Headlamp housing

Fiberglass reinforced plastic, matte black surface.

Headlight unit

Interchangeable.

Mounting

Upright and suspended.

Attachment

With pivoting forked holder for mounting on body or bumper

Pivoting range

80° forwards, 95° to rear, 360° lateral.

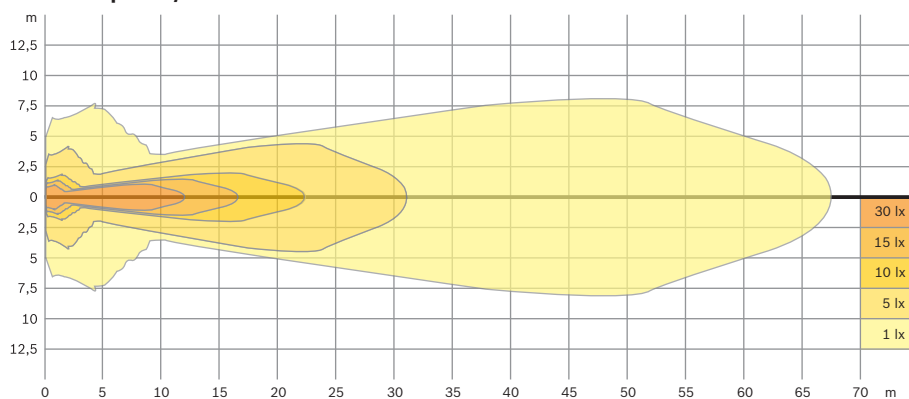
Electrical connection

Blade terminal and grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts.
Halogen H3 bulb to be ordered separately.

Flood lamp 12 V/55 W



Pilot 150

With forked holder **0 306 484 001**

With fastening bracket **0 306 484 002**

Accessories and spare parts

Headlight unit **1 305 354 911**

Holder for unit **1 301 091 002**

Fastening bracket **1 307 022 236**

Guard **1 305 540 165**

Type of bulb

H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

Pilot 155

Flood and spot lamps

Halogen



Ideal for anyone with special requirements for their flood or spot lamps. Double beam design, i.e. with two light sources. For 12 V with 55 W output or 24 V with 70 W. Protection category IP6K9K.

Lamp housing

Glassfiber reinforced plastic
Dimensions: 121 mm x 174 mm x 83 mm.

Attachment

Upright.

Mounting

With swivel type forked holder for mounting on body or bumper, M 10 studs.

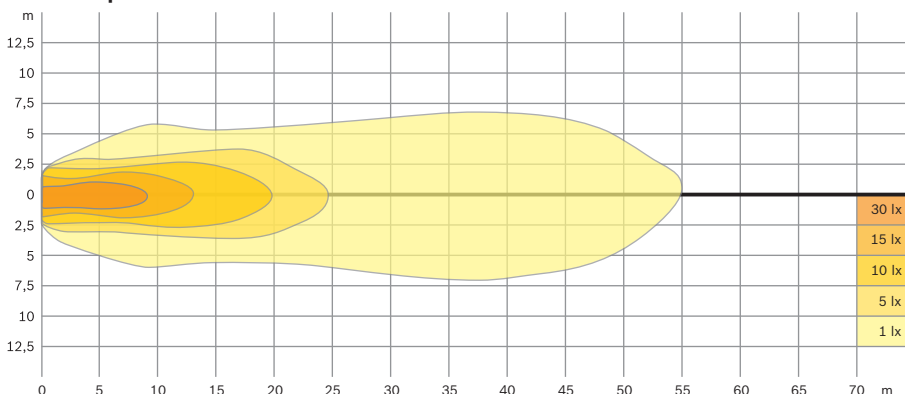
Electrical connection

Cable connection.

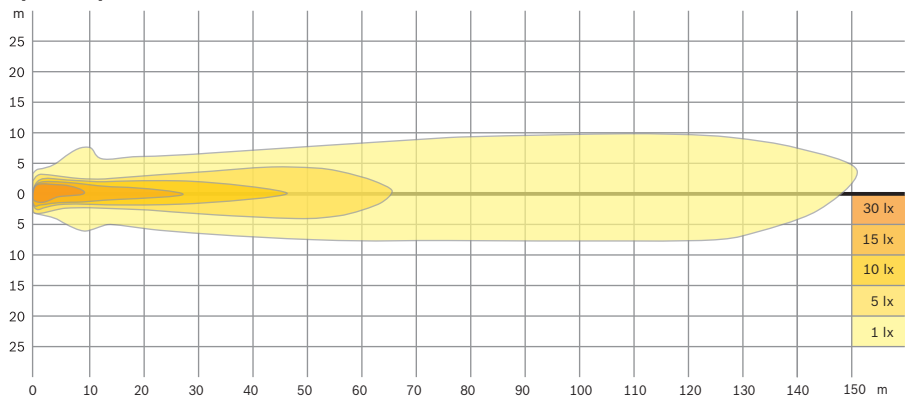
Scope of delivery

Individual packaging:
1 lamp including mounting parts.

Flood lamp



Spot lamp



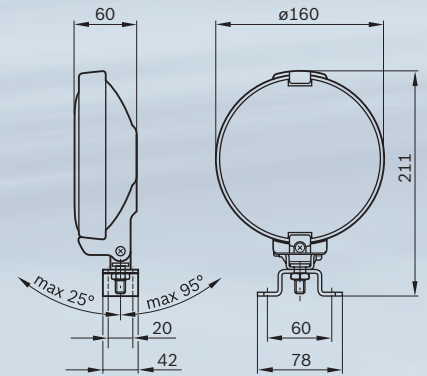
① Flood lamp Pilot 155	
Double Beam	0 986 310 934
② Spot lamp Pilot 155	
Double Beam	0 986 310 935

Type of bulb		
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

Pilot 160

Flood lamp

Halogen



Flood lamp with fastening bracket for flexible installation. Universal application range. Optimum homogeneous light distribution.

Headlamp housing

Fiberglass reinforced plastic, matte black surface.

Headlight unit

Interchangeable.

Mounting

Upright and suspended.

Attachment

With pivoting forked holder for mounting on body or bumper

Pivoting range

25° forwards, 95° to rear, 360° lateral.

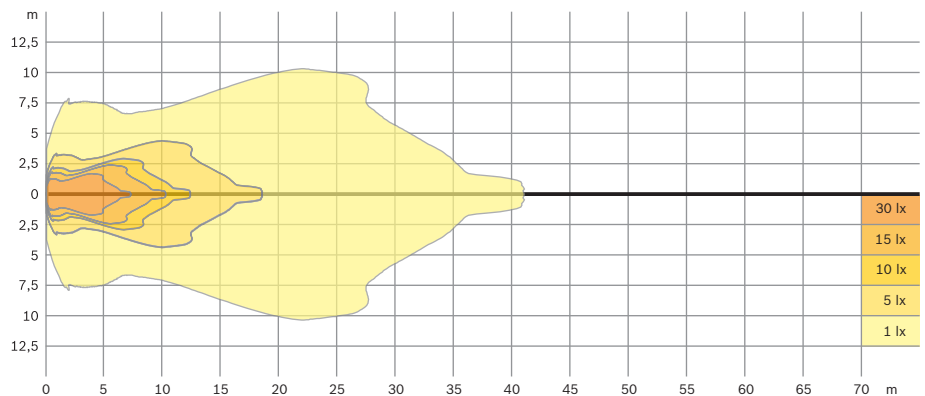
Electrical connection

Cable entry through grommet for single cores.

Scope of delivery

Individual packaging: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

Flood lamp 12 V/55 W



Pilot 160

0 306 680 001

Accessories and spare parts

Holder for unit **1 301 091 004**

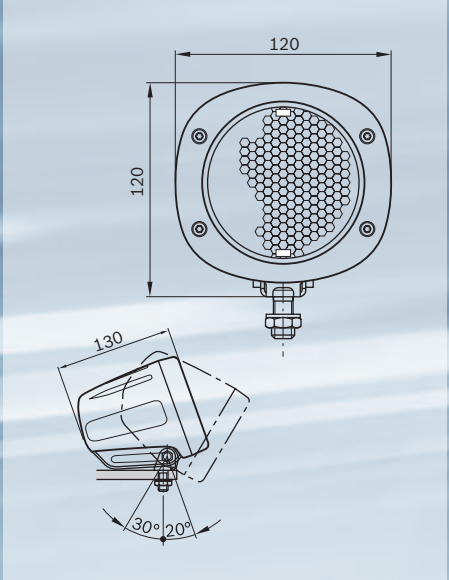
Fastening bracket **1 307 022 236**

Type of bulb

H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

Pilot X
Flood lamp
Xenon



The most compact Xenon flood lamp of its type is now available with even more power: 45 Watt of Xenon light similar to daylight. Around 2.5x more light yield than halogen bulbs, around 1/3 lower energy consumption and a longer service life. Integrated D1-type control unit. Protection category IP4K.

Headlamp housing

Fiberglass reinforced plastic. Corrosion-resistant. Dimensions: 130 x 120 x 120 mm.

Mounting

Optionally upright or suspended.

Attachment

Pivoting, corrosion-resistant M10 threaded stud.
Pivoting range 20° forwards, 30° to rear, 360° lateral.
Adjustable by 6 cm in longitudinal axis.

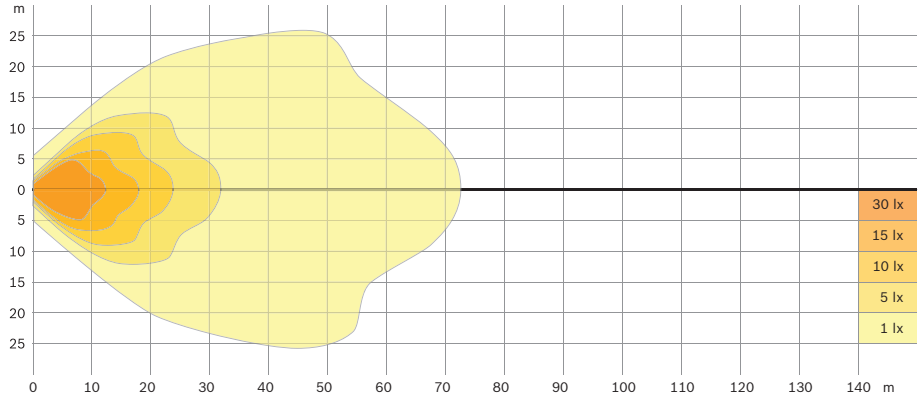
Electrical connection

Connector: 15 cm (mobile).

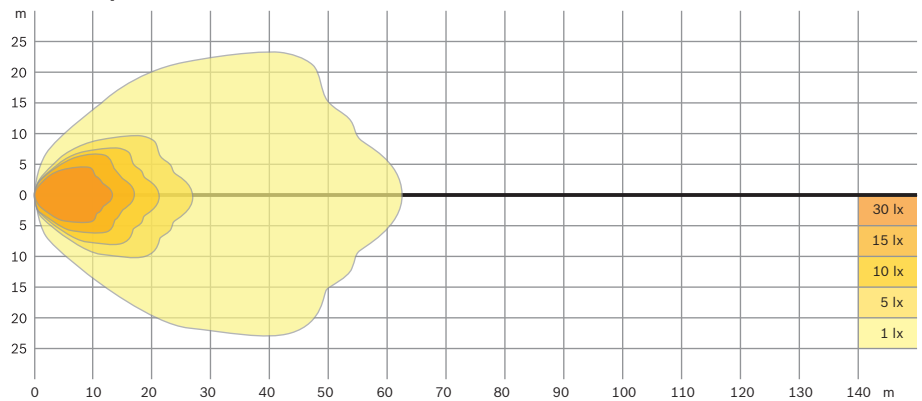
Scope of delivery

Xenon gaseous-discharge lamp, igniter, Xenon control unit. Completely pre-assembled, ready to connect.

Flood lamp 45 W



Flood lamp 35 W



Flood lamp Pilot X	
12 V/45 W	0 986 310 678
24 V/45 W	0 986 310 677
12 V/35 W	0 986 310 676
24 V/35 W	0 986 310 675

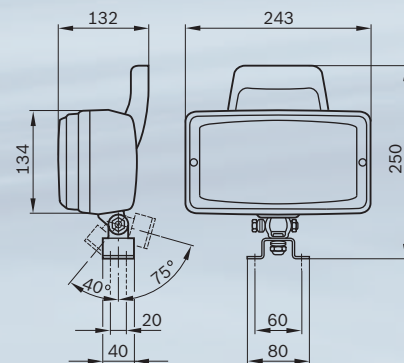
Accessories and spare parts	
Controller 12 V/45 W	0 986 310 213
Controller 24 V/45 W	0 986 310 212
Controller 12 V/35 W	0 986 310 211
Controller 24 V/35 W	0 986 310 209
Reflector	1 987 305 079

Accessories and spare parts	
Lens including O-ring	1 987 305 108
Cable 1.000 mm, blue	1 987 305 109
Type of bulb	
D1S 12/24 V / 45 W/35 W	1 987 302 031

Profi 210

Flood lamp

Halogen



Extremely robust with impact-resistant plastic guard. Optionally with handle and switch.

Headlamp housing

Steel, black-resicoated, scratch-resistant and non-corroding. Outer rim made of Fiberglass reinforced polyamide, matte black, impact-resistant and fracture-proof.

Lens

Colorless lens, with waterproof bonding to reflector.

Mounting

Upright and suspended.

Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

Pivoting range

40° forwards, 75° to rear, 360° lateral.

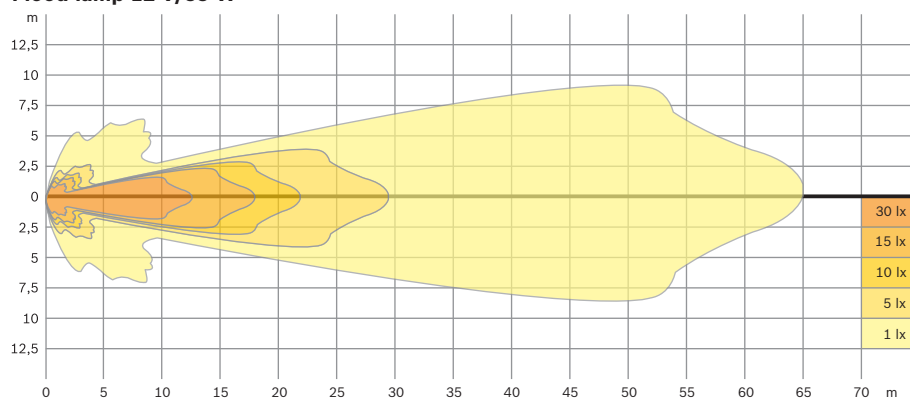
Electrical connection

Single pole (separate ground connection provided), blade-terminal connections, cable entry through rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately. With guard.

Flood lamp 12 V/55 W



Profi 210

With handle and switch **0 306 080 002**

Without handle, without switch **0 306 080 003**

Accessories and spare parts

Guard **1 305 540 933**

Fastening bracket **1 307 022 236**

Type of bulb

H3 12 V/55 W **1 987 302 031**

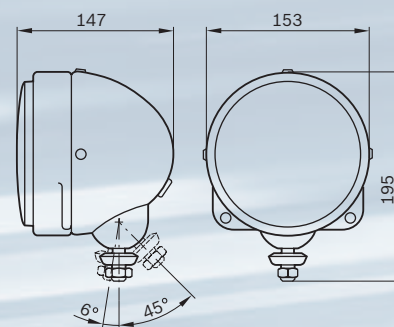
H3 12 V/100 W **1 987 302 036**

H3 24 V/70 W **1 987 302 431**

Kiruna 140

Flood lamp

Halogen



Vibration-resistant flood lamp for heavy-duty applications.

Headlamp housing

Steel, black-resicoated, scratch-resistant and non-corroding.

Headlight unit

Reflector has watertight bond to lens and is mounted in housing with vibration absorbing rubber ring. This results in low transmission of vibration.

Lens

Colorless lens with rectangular fluting.

Mounting

Optionally upright or suspended on horizontal, vertical or angled surfaces.

Attachment

Pivoting, non-corroding M12 threaded stud.

Pivoting range

6° forwards, 45° to rear, 360° lateral.

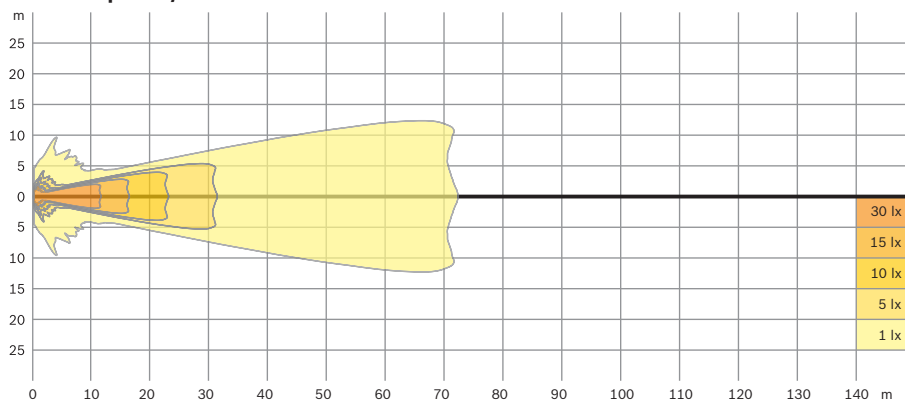
Electrical connection

Single-pole, blade-terminal connection, cable entry through rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H1 bulb to be ordered separately.

Flood lamp 12 V/55 W



Kiruna 140	
	0 306 382 001

Accessories and spare parts	
Headlight unit	1 305 302 021
Sealing frame	1 301 015 115
Housing with sealing frame	1 305 122 901

Type of bulb		
H1	12 V/55 W	1 987 302 011
H1	12 V/100 W	1 987 302 016
H1	24 V/70 W	1 987 302 411

Rotating beacons

Range overview



A47-51

The professional range – RKLE 200

Top quality for the highest standards.
Excellent warning action with
Bosch OPS reflector



Form A

Form B1

Form B2

Form D

A52-55

The standard range – RE 60

Robust warning lamp for
specific applications on construction sites,
on the open road and in urban traffic



Form A

Form FLX

Form B2

Form D

A56

The special range – RSWA/F

Rotating beacons for use as floodlamps and
spot lamps. Rotating beacon light can be
directed as required by remote control.



Rotating beacons

Information



Bosch produces a comprehensive range of high-performance beacons for installation in a wide variety of vehicles. Optimized custom solutions further increase the range of applications. In many situations, reliable and effective warning signals are critical to ensure safety for traffic or for working.

The professional range - RKLE 200 (Form A, Form B1, Form B2; Form D)

Top quality for customer groups with exacting demands in terms of warning action and conspicuousness, ease of use and installation, easy single-handed bulb replacement and interference suppression for radio, two-way radio and telephone reception, e.g. fire brigades, haulage companies, road construction departments, rescue services, breakdown and recovery services, mobile cranes and emergency relief services.

The standard range - RE 60 (Form A, Form FLX, Form B; Form D)

Sturdy warning lamps offering attractive value for money for customer groups in hauling, construction and related trades, agriculture and forestry. Benefits include ease of operation and installation, easy one-handed bulb replacement and radio-interference suppression.

The special range - RSWA/F (type A, type B1, type B2; type D)

The RSWA/F range of floodlamps and spot lamps provides top performance for the police and emergency services, breakdown and recovery services, agricultural machinery and outdoor applications.

Type-Overview

	RKLE 200	RE-60	RSWA/F
Construction			
A	•	•	–
FLX	–	•	–
B1	•	•	•
D	•	•	–
Cover color			
Blue	•	–	–
Yellow	•	•	–
Red	•	–	–
Green	○	–	–
Clear	○	–	•
Voltage			
12 V	•	•	•
24 V	•	•	•
12/24 V	–	–	–
110 V	–	–	–
230 V	–	–	–
Approval			
Complies with German StVZO	•	•	–
Quality features			
Drive system	Hybrid	Worm gear	–
Frequency	–	2.66 Hz	–
Rotational speed	160 rpm	–	–
Noise level	Very low	Medium	–
Interference suppression as per VDE 0879			
LW	Interference level 5	Interference level 3	–
MW	Interference level 5	Interference level 3	–
SW	Interference level 5	Interference level 3	–
UHF	Interference level 5	Interference level 3	–
Degree of protection as per DIN 40 050	IP 54	IP 54	IP 55
Warning effect	Maximum	Satisfactory	–

• = Standard

○ = Possible

RKLE 200 Rotating beacons



The right range

For mobile or fixed mounting, for vehicles that are only fitted with beacons when specifically required, or for vehicles that are in constant use: Version A in line with DIN 14620/ISO 4148 for mounting on spigot tube, version B1 and B2 in line with DIN 14620/ISO 4148 for fixed installation. All yellow and blue lights are type-tested to ECE R65 and approved for use on public highways, while the A, B1 and B2 versions in line with DIN 14620 meet the strict German \sim K approval requirements.

The Bosch OPS reflector¹⁾ ensures optimum utilization and direction of the light beam and provides 40% more light for the same bulb power. The light is propagated accurately by the OPS reflector rather than being dispersed by the cover. This guarantees optimum visibility at close and long range as well as in rough terrain; no scattering loss. This eliminates scattering losses, which would be worsened by dirt. The long-range visibility and high light intensity enables the RKLE 200 to achieve an unrivalled warning effect even in bright sunlight or from a great distance, comparable even with a high-quality flashing beacon such as the BKL 1212.

The Bosch RKLE 200 – quiet, maintenance-free and long service life.

The RKLE uses a hybrid drive specially developed for continuous use. It combines the quiet and smooth running of a belt drive with the durability and power transmission of a worm drive. The hybrid drive advantages include maximum convenience, sturdiness and reliability at almost any temperature, when radios or telephones are being used and in dusty or dirty conditions. Since no wearing parts such as V-belts or collector rings are used, no maintenance is required. The self-lubricating bronze sintered bearings of the deliberately oversized motor ensures that the excellent performance and function are retained for many years.

Quick and easy installation thanks to mounting aids and hollow rubber profiles

The rubber seal between the B1/B2 version rotating beacon and the vehicle simultaneously provides a drilling template for the hole diameter in line with DIN 14620 and ISO 4148. The mounting aids accessible from outside provide quick and unobstructed access to the fixing components. After installation, the mounting aids are sealed with the caps supplied to protect against dirt. This eliminates wind noise and corrosion.

Sophisticated ventilation

The patented new ventilation system with labyrinth seal prevents condensation from forming and misting the cover of the light.

No radio interference

Perfect for vehicles with telephone or 2-way radio. The practically noise-free drive is interference-suppressed in excess of the requirements of VDE 0879 interference level 5.

Bulb replacement made easy

The cover can be removed and the defective bulb exchanged with one hand and without the need for tools.

Securing the cover

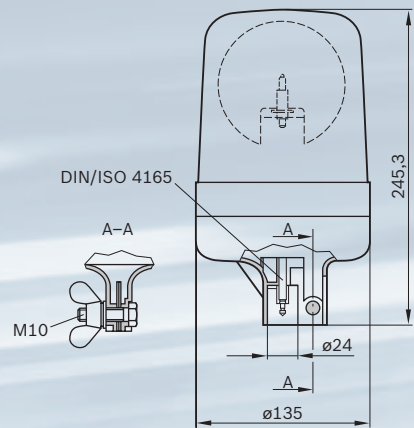
Fit the cover and turn as far as possible in either direction (bayonet lock). It can be opened with or without a tool.

Perfect look – base in vehicle color

You can, of course, paint the glass-fiber-reinforced base in orange or any other color of your choice.

¹⁾ OPS, Optimized plane-parabolic segments = "Flat" segments arranged on a parabola.

RKLE 200 Form A Rotating beacon



Scope of delivery

Lamp including H1 bulb, installation instructions.

Form A version in line with ISO 4148

RKLE 200 A, 12 V, yellow	7 782 332 011
RKLE 200 A, 24 V, yellow	7 782 334 009
RKLE 200 A, 12 V, blue	7 782 332 209
RKLE 200 A, 24 V, blue	7 782 334 207
RKLE 200 A, 12 V, red	7 782 332 404
RKLE 200 A, 24 V, red	7 782 334 404

Technical data

Type test

Yellow A1 E13 00 0001	~ K110
Blue B1 E13 00 0001	~ K109

Weight

kg	0.82
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Resistance to

Vibration	better than DIN 14620
Temperature	better than DIN 14620
Damp alternating atmosphere	better than DIN 14620
Corrosion	better than DIN 14620

Degree of protection

IP	54, 54K, 59K
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Interference suppression

Better than VDE 0879 interference level 5
© 10R-023011

Operating position

Upright

Technical data

Temperature range

°C	-40...+60
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Speed

rpm	160
-----	-----

Attachment

On spigot tube with wing nut (no tools)

Spare parts

H1 bulb

12 V/55 W	1 987 302 011
24 V/70 W	1 987 302 411

Cover

Yellow	8 785 510 063
Yellow, fracture-proof	8 785 510 098
Blue	8 785 510 166
Red	8 785 510 065

Reflector

8 785 300 117

Motor with pinion and cable

12 V	8 787 220 632
24 V	8 787 220 634

Parts set comprising base plate and gear wheel (assembled) and bulb holder

8 787 001 514

Motor-housing parts set

8 785 110 129

Rubber buffer (3 required)

1 unit	8 780 212 001
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Accessories

Spigot tube for welding

8 787 022 001

Connected via 2 blade terminals 6.3 mm

8 787 022 019

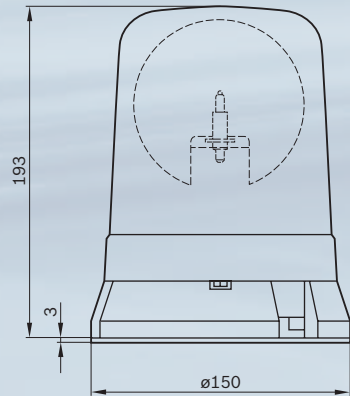
Spigot tube for screw attachment

8 787 022 013

Spigot tube with welded bracket

8 787 022 016

RKLE 200 Form B1 Rotating beacon



Scope of delivery



Lamp including H1 bulb, rubber seal, fastening parts, installation instructions.

Form B1 version in line with DIN 14620/ISO 4148

RKLE 200 B1, 12 V, yellow	7 782 332 011
RKLE 200 B1, 24 V, yellow	7 782 334 011
RKLE 200 B1, 12 V, blue	7 782 332 207
RKLE 200 B1, 24 V, blue	7 782 324 207
RKLE 200 B1, 12 V, red	7 782 322 405
RKLE 200 B1, 24 V, red	7 782 324 404

Technical data

Type test

Yellow A1 E13 00 0001	 K110
Blue B1 E13 00 0001	 K109

Weight

kg	0.76
----	------

Resistance to

Vibration	better than DIN 14620
Temperature	better than DIN 14620
Damp alternating atmosphere	better than DIN 14620
Corrosion	better than DIN 14620

Degree of protection

IP	54, 54K, 59K
----	--------------

Interference suppression

Better than VDE 0879 interference level 5

© 10R-023011

Operating position

Upright

Technical data

Temperature range

°C	-40...+60
----	-----------

Speed

rpm	160
-----	-----

Attachment

With 3 bolts, hole circle Ø 130 mm.

Spare parts

H1 bulb

12 V/55 W	1 987 302 011
24 V/70 W	1 987 302 411

Cover

Yellow	8 785 510 063
Yellow, fracture-proof	8 785 510 098
Blue	8 785 510 166
Red	8 785 510 065

Reflector

	8 785 300 117
--	----------------------

Motor with pinion and cables

12 V	8 787 220 632
24 V	8 787 220 634

Parts set comprising base plate and gear wheel (assembled) and bulb holder

	8 787 001 514
--	----------------------

Caps for mounting aids

3 units	8 785 411 296
---------	----------------------

Rubber seal

2 mm	8 780 223 011
------	----------------------

Rubber buffer (3 required)

1 unit	8 780 212 001
--------	----------------------

Accessories

Hollow rubber profile to compensate for roof slopes and beads

	8 780 206 047
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Intermediate flange

	8 785 110 127
--	----------------------

Mounting flange

Straight for stand	8 785 110 068
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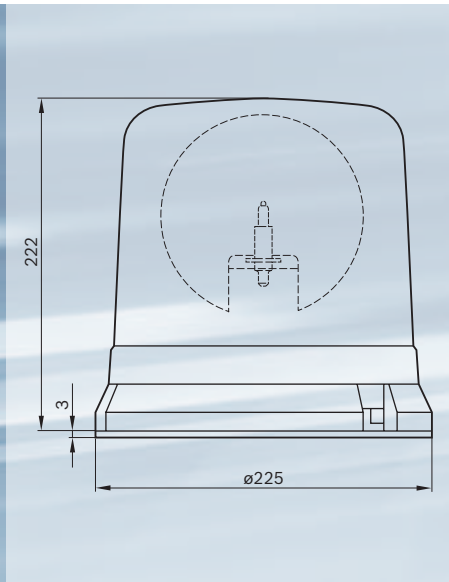
Vehicle stand

LZU 14/5	7 781 999 001
LZU 15/5M	7 781 999 015

Plug-in base

For conversion to version A	8 785 110 109
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RKLE 200 Form B2 Rotating beacon



Scope of delivery

Lamp including H1 bulb, rubber seal, fastening parts, installation instructions.

Form B2 version in line with DIN 14620 / ISO 4148

RKLE 200 B2, 12 V, yellow	7 782 362 008
RKLE 200 B2, 24 V, yellow	7 782 364 007
RKLE 200 B2, 12 V, blue	7 782 362 207
RKLE 200 B2, 24 V, blue	7 782 364 207
RKLE 200 B2, 12 V, red	7 782 362 404
RKLE 200 B2, 24 V, red	7 782 364 404

Technical data

Type test

Yellow A1 E1 00 1312	~ K254
Blue B1 E1 00 1312	~ K255

Weight

kg	1.25
----	------

Resistance to

Vibration	better than DIN 14620
Temperature	better than DIN 14620
Damp alternating atmosphere	better than DIN 14620
Corrosion	better than DIN 14620

Degree of protection

IP	54, 54K, 59K
----	--------------

Interference suppression

Better than VDE 0879 interference level 5
© 10R-023011

Operating position

Upright

Technical data

Temperature range

°C	-40...+60
----	-----------

Speed

rpm	160
-----	-----

Attachment

With 3 bolts, hole circle Ø 200 mm.

Spare parts

H1 bulb

12 V/55 W	1 987 302 011
24 V/70 W	1 987 302 411

Cover

Yellow	8 785 510 073
Blue	8 785 510 167
Red	8 785 510 072

Reflector

8 785 300 120

Motor with pinion and cables

12 V	8 787 220 632
24 V	8 787 220 634

Parts set comprising base plate and gear wheel (assembled) and bulb holder

8 787 001 514

Caps for mounting aids

3 units	8 785 411 297
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Rubber seal

2 mm	8 780 223 012
------	----------------------

Rubber buffer (3 required)

1 units	8 780 212 001
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Accessories

Hollow rubber profile to compensate for roof slopes and beads

8 780 206 048

Intermediate flange

8 785 110 128

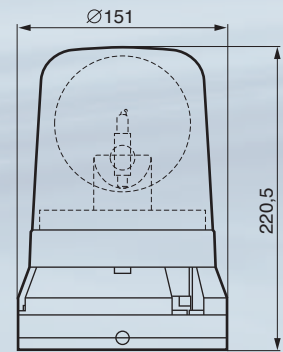
Mounting flange

Straight for stand **8 785 110 077**

Vehicle stand

LZU 14/5	7 781 999 001
LZU 15/5M	7 781 999 015

RKLE 200 Form D Rotating beacon



Scope of delivery

Lamp including H1 bulb, magnet, cable and connector, installation instructions.

Form D version in line with ISO 4148

RKLE 200 D, 12 V, yellow	7 782 372 004
RKLE 200 D, 12 V, blue	7 782 372 204
RKLE 200 D, 24 V, blue	7 782 374 203
RKLE 200 D, 12 V, red	7 782 372 403
RKLE 200 D, 24 V, red	7 782 374 405
RKLE 200 D, 24 V, yellow	7 782 374 006

Technical data

Type test

Yellow A1 E13 00 0001	~ K110
Blue B1 E13 00 0000	~ K109

Weight

kg	1.49
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Resistance to

Vibration	better than DIN 14620
Temperature	better than DIN 14620
Damp alternating atmosphere	better than DIN 14620
Corrosion	better than DIN 14620

Degree of protection

IP	54, 54K, 59K
----	--------------

Interference suppression

Better than VDE 0879 interference level 5
Ⓢ 10R-023011

Operating position

Upright

Temperature range

°C	-40...+60
----	-----------

Speed

rpm	160
-----	-----

Attachment

Magnetic attachment with cable (length 0.5 m, extends to 3 m) and combination connector, TÜV tested to 250 km/h

Spare parts

H1 bulb

12 V/55 W	1 987 302 011
24 V/70 W	1 987 302 411

Cover

Yellow	8 785 510 063
Yellow, fracture-proof	8 785 510 098
Blue	8 785 510 166
Red	8 785 510 065

Reflector

8 785 300 117

Motor with pinion and cable

12 V	8 787 220 632
24 V	8 787 220 634

Parts set comprising base plate and gear wheel (assembled) and bulb holder

8 787 001 514

Caps for mounting aids

3 units	8 785 411 296
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Rubber buffer (3 required)

1 unit	8 780 212 001
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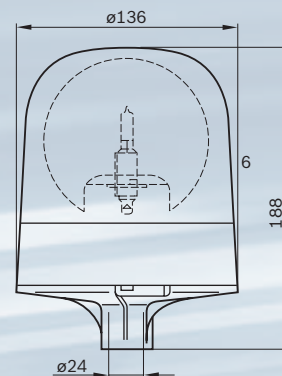
Magnetic stand

8 787 010 015

Spiral cable with connector

0.5 m – extends to 3 m	8 784 460 102
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RE-60 Form A Rotating beacon



Applications

For special vehicles that are only used sporadically on main roads or in city traffic. Sturdy warning lamp offering attractive value for money for customer groups in hauling, construction and related trades, agriculture and forestry. Benefits include ease of operation and installation, easy one-handed bulb replacement and radio-interference suppression.

Drive system

Robust worm drive ensuring reliable starting under extreme operating conditions

Attachment

For attachment to spigot tube with bolt.

Scope of delivery

Lamp including H1 bulb, installation instructions.

Technical data

Cover	
Polycarbonate or plexiglass. ECE R65 approval for Germany and Europe. Observe national regulations (e.g. StVZO).	
Weight	
kg	0.43
Flash frequency	
Hz	2.66 A1 Ⓢ 006515
Degree of protection	
IP	54, 54K, 59K
Warning effect	
ECE R65	Ⓢ 006515
Radio interference suppression level	
3 in line with VDE 0879	Allows radio reception with no interference.
P3	Ⓢ 10R-023010

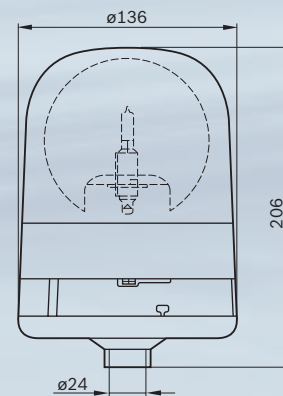
Form A version in line with ISO 4148

RE-60 Form A		
12 V	Yellow	7 782 332 008
24 V	Yellow	7 782 334 007

Spare parts

Plexiglass cover	
Yellow	8 785 510 156
H1 halogen bulb	
12 V/55 W	1 987 302 011
24 V/70 W	1 987 302 411
Motor with worm drive and cables	
12 V	8 787 220 627
24 V	8 787 220 628

RE-60 Form FLX Rotating beacon



Attachment

With flexible holder for attachment to spigot tube.

Scope of delivery

Light including H1 bulb, installation instructions.

Technical data

Cover

Made of fracture-proof polycarbonate

Weight

kg 0.68


Max. inclination in case of obstacle contact

° 90

Warning effect

ECE R65  006515

Radio interference suppression level

3 in line with VDE 0879 P3 Allows radio reception with no interference.
 10R-023010

Form FLX version in line with ISO 4148

RE-60 Form FLX

12 V Yellow **7 782 332 009**

24 V Yellow **7 782 334 008**

Spare parts

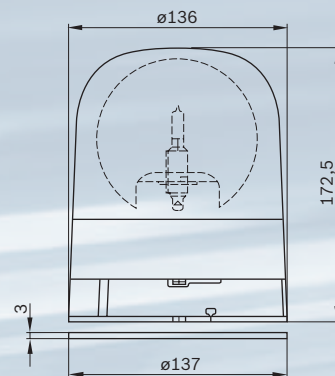
Polycarbonate cover

Yellow **8 785 510 157**

Flexible holder with cables

Connector, clamping fixture **8 785 110 121**

RE-60 Form B Rotating beacon

**Attachment**

Attached with 3 self-tapping screws 4.2 mm (hole circle \varnothing 130 mm) or with 3 M6 screws (hole circle \varnothing 115 mm).

Scope of delivery

Lamp including H1 bulb, rubber seal, installation instructions.

Technical data**Cover**

Fracture-proof polycarbonate.
For permanent installation.

Weight

kg 0.42

Warning effect

ECE R65 E4 006515

Radio interference suppression level

3 in line with VDE 0879 P3 Allows radio reception with no interference.
 E1 10R-023010

Form B version in line with ISO 4148**RE-60 Form B**

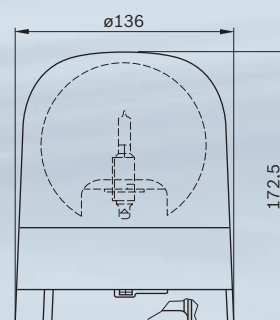
12 V	Yellow	7 782 322 012
24 V	Yellow	7 782 324 012

Spare parts**Plexiglass cover**

Yellow **8 785 510 156**

Caps for mounting aids (x3) **8 787 001 322**

RE-60 Form D Rotating beacon



Connection

With 3.5 m spiral cable and multi-purpose automotive connector.

Attachment

Attached with strong magnet (approx. 30 kg adhesive force in line with DIN). For vehicle speeds of up to max. 100 km/h.

Scope of delivery

Lamp including H1 bulb, spiral cable with connector, installation instructions.

Technical data

Cover

Fracture-proof polycarbonate.
For permanent installation.


Weight

kg approx. 1

Warning effect

ECE R65  006515

Radio interference suppression level

3 in line with VDE 0879 P3 Allows radio reception with no interference.
 10R-023010

Form D version in line with ISO 4148

RE-60 Form D

12 V	Yellow	7 782 372 003
24 V	Yellow	7 782 374 005

Spare parts

Plexiglass cover

Yellow	8 785 510 156
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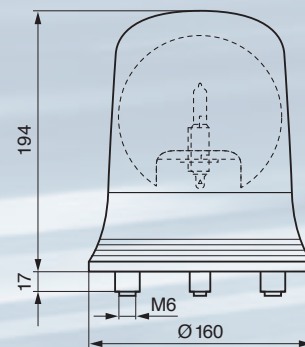
Flexible holder with cables

Spiral cable with multi-purpose automotive connector	8 784 460 130
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Accessories

Paint-protection foil for magnet, self-adhesive	8 780 113 024
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RSWA 100/RSWF 100 Floodlight



Applications

Flood lamp (RSWA) or spot lamp (RSWF) with radio remote control for police, emergency services, breakdown and recovery services, agricultural vehicles and off-road applications.

Design

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding, and fracture-proof.

Headlight unit

The radio remote control allows targeted direction of the floodlight beam. Simultaneous horizontal and vertical movement allows the operator to quickly adjust the lighting as required, even from a distance (range with unimpaired view approx. 100 m). Coding allows one floodlight to be operated from up to four remote control units. In the same way, one remote control unit can operate different floodlights.

Light distribution

RSWA – large-area, uniform illumination at close range (floodlamp)
 RSWF – narrow, high-intensity light beam (spot lamp)

Attachment

Attached with 3 bolts, hole circle \varnothing 130 mm.

Scope of delivery

Lamp including H1 bulb, remote control, 9 Volt battery 6LR61, installation/operating instructions.

Lamp technical data:

Cover	
Polycarbonate	
Weight	
kg	1.13
Current input	
12 V/4.6 A 24 V/2.9 A	
Temperature range	
°C	-20...+50
Horizontal rotation	
°	360
	in 12 seconds
Vertical rotation	
°	260
	in 24 seconds
Dust / water protection	
IP	55

Remote-control technical data:

Frequency	
Hz	433.92
Range	
m	100 with unimpaired view
Weight	
kg	Approx. 0.15
Approval	
CE tested	
EN	60-950, 300-220
Ets	300-000

Design

RSWA 100, 12 V	7 782 319 052
RSWA 100, 24 V	7 782 319 054
RSWF 100, 12 V	7 782 319 062
RSWF 100, 24 V	7 782 319 064

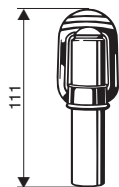
Spare parts

Cover	
Clear	8 785 510 170
Transmitter and holder	
12 V	8 785 520 002
24 V	8 785 520 004
H1 bulb	
12 V/55 W	1 987 302 011
24 V/70 W	1 987 302 411

Accessories

Mounting flange	
Straight, for stand	8 785 110 068
Vehicle stand LZU 14/5	7 781 999 001
Vehicle stand LZU 14/5 M	7 781 999 015

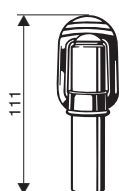
Accessories and spare parts



Spigot tube

For welding, for Form A rotating beacons in line with DIN 14 620 and ISO 4148.
With socket and rain cover. Grounded through housing.

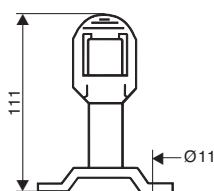
Part number:
8 787 022 001



Spigot tube

As -001, but connected via 2 blade terminals 6.3 mm. With insulating sleeve (Qty. 1).

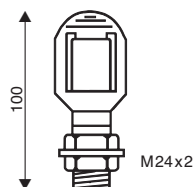
Part number:
8 787 022 019



Spigot tube

With welded bracket for Form A rotating beacons in line with DIN 14 620 and ISO 4148.
For screwing onto the vehicle with 2 screws. With socket and rain cover.

Part number:
8 787 022 016



Spigot tube

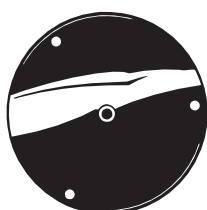
For screw fastening, for Form A rotating beacons in line with DIN 14 620 and ISO 4148.
With socket and rain cover.

Part number:
8 787 022 013

Rain cover

To fit the spigot tubes.

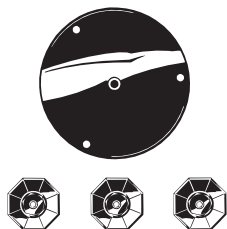
Part number:
8 780 560 000



Magnetic stand

For RKLE 200 Form D rotating beacons for speeds of up to 250 km/h.
The use of rotating beacons with additional magnetic base mounting is not approved
in Germany (StVZO). Exceptions can be approved by the relevant authorities.
The operator must apply individually.

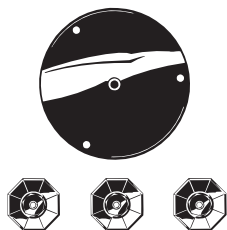
Part number:
8 787 010 015



3-point magnetic attachment

For RKLE Form B1 rotating beacons. For mobile or temporary use.
The magnetic feet are flexibly mounted and thus adapt to the shape of the vehicle body.
Supplied with protective foil to prevent damage to the body.
For vehicle speeds of up to max. 80 km/h.

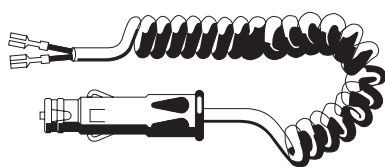
Part number:
8 787 010 011



3-point magnetic attachment

As ...011 but with spiral cable (max. length 3 m) and universal connector for vehicle socket or cigarette lighter. For vehicle speeds of up to max. 80 km/h.

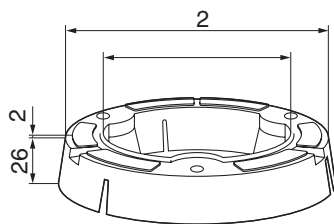
Part number:
8 787 010 010



Spiral cable

Complete with universal connector for vehicle socket or cigarette lighter, and connectors.
Length 0.5 m, extends to 3 m.

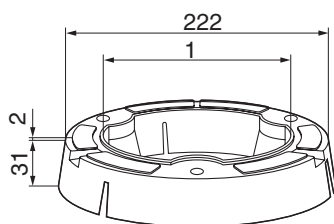
Part number:
8 784 460 102



Rubber wedge

For RKLE Form B1 rotating beacons. To compensate for roof slopes.

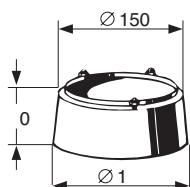
Part number:
8 780 206 047



Rubber wedge

For RKLE Form B2 rotating beacons. To compensate for roof slopes.

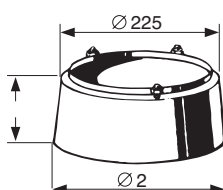
Part number:
8 780 206 048



Intermediate flange

For RKLE Form B1 rotating beacons. Steel plate.
Compensates for extremely steep mounting surfaces (adjust flange and weld).

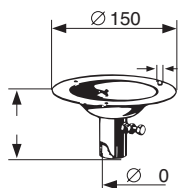
Part number:
8 785 110 127



Intermediate flange

For RKLE Form B2 rotating beacons. Steel plate.
Compensates for extremely steep mounting surfaces (adjust flange and weld).

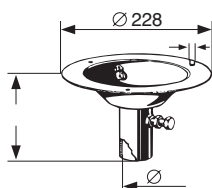
Part number:
8 785 110 128



Mounting flange, straight

For RKLE Form B1 rotating beacons. For fitting on vehicle stand LZU 14/5.

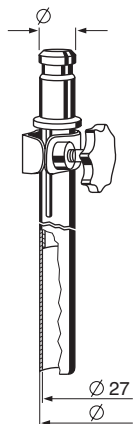
Part number:
8 785 110 068



Mounting flange, straight

For RKLE Form B2 rotating beacons. For fitting on vehicle stand LZU 14/5.

Part number:
8 785 110 077



Vehicle stand LZU 14/5

For attaching headlamps and rotating beacons.

Design: Mounting stud Ø 30 mm in line with DIN 14 640.

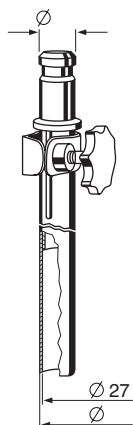
Can be used with: Mounting flange 8-785 110 068/077 for rotating beacons.

Extends from 1260 mm to 2160 mm. Lockable with star handle.

Dimensions (W x H): 140 x 1260 mm, weight: 2.8 kg

Part number:

7 781 999 001



Vehicle stand LZU 14/5 M

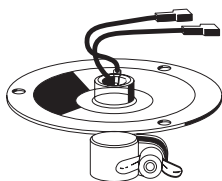
Similar to 7 781 999 001. Extends from 1060 to 1890 mm.

Cable entry through mounting stud, allowing visually appealing installation.

Dimensions (W x H): 140 x 1,060 mm

Part number:

7 781 999 015



Mounting flange for bolting to RKLE BKL Form B1

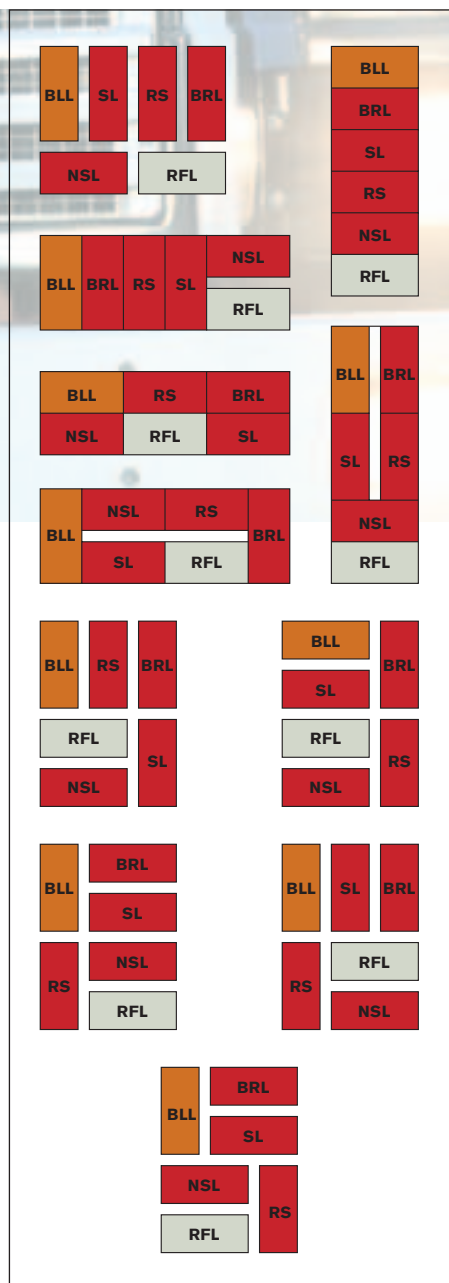
With plug-in base and cable. Allows mounting on spigot tube for Form A.

Part number:

8 785 110 109

Single-function lamps

Rear lamps for commercial vehicles – universally usable



 196 x 85 mm

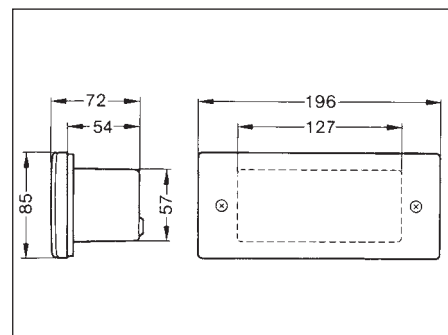
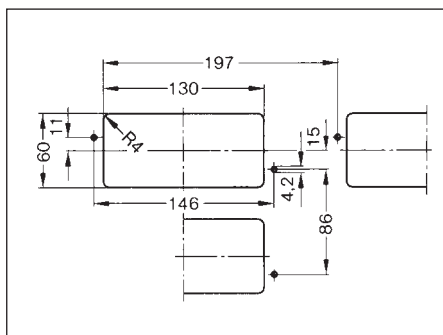


Fig.	Function	Lens	Installation horizontal	Installation vertical	Power W	Approval		Part number
						ECE	SAE	
1	Stop lamp	red	●	●	2 x 21	●	●	0 312 201 002
						●	●	0 312 201 003
2	Turn-signal lamp	yellow	●	●	1 x 21	●	●	0 311 316 003 ²⁾
						●	●	0 311 316 009 ³⁾
					2 x 21	●	●	0 311 316 004 ⁴⁾
						●	●	0 311 316 005
3	Tail lamp	red	●	●	2 x 5	●	●	0 313 050 005
						●	●	0 313 050 006
						●	●	0 315 104 027 ⁵⁾
4	Side-marker lamp ¹⁾	clear	●	●	2 x 5	●	●	0 313 110 002
5	Fog warning lamp	red	●	●	1 x 21	●	●	0 314 107 002
6	Backup lamp	clear	●	●	1 x 21	●	●	0 314 107 002
						●	●	0 314 107 004

These lamps can be combined as required, both horizontally and vertically.

Typical arrangements

The black framed examples are the most common arrangements.

Legend

- BLL turn-signal lamp
- BRL stop lamp
- NSL fog warning lamp
- RFL backup lamp
- RS reflector
- (currently not in program)
- SL tail lamp

Lamp housing

Fiberglass-reinforced, transparent polyamide. Bulb holder with vibration-damping and full insulation in housing.

Installation

In bodywork, aperture 130 x 60 mm, installation depth 60 mm.

Fastening

2 screws, hole-Ø 4.2 mm, hole spacing 146 mm.

Electrical connection

Two-pole (separate ground connection). Blade terminals.

Bulb type

R 5 W	12 V/5 W	1 987 302 237
	24 V/5 W	1 987 302 527
P 21 W	12 V/21 W	1 987 302 607
	24 V/21 W	1 987 302 501

- ¹⁾ Can also be used as step or ceiling lamp
- ²⁾ Installed at front
- ³⁾ Available while stocks last
- ⁴⁾ Installed at rear
- ⁵⁾ Not mounted on new vehicles

Fog warning/backup lamps

Plastic housing matt black, E-type tested



① Plastic lamp, black fastening with universal bracket

Mounting
Upright and pendant.

Fastening
With adjustable mounting bracket (enclosed).

Electrical connection
Single-pole blade terminal.
Cable entry through rubber grommet.

Scope of delivery
1 lamp, mounting parts and installation instructions (without bulb).

Fog warning lamp	
red	0 313 108 001

Backup lamp	
clear	0 314 105 001

Bulb type	
P 21 W 12 V/21 W	1 987 302 201
24 V/21 W	1 987 302 501

② Plastic lamp, black fastening with universal bracket

Mounting
Upright and pendant.

Fastening
With adjustable mounting bracket (enclosed).

Electrical connection
Single-pole blade terminal.
Cable entry through rubber grommet.

Scope of delivery
1 lamp, mounting parts and installation instructions (without bulb).

Fog warning lamp	
red	0 313 109 001

Backup lamp	
clear	0 314 106 001

Spare parts	
Lens red	1 305 620 243 ¹⁾

Bulb type	
P 21 W 12 V/21 W	1 987 302 201
24 V/21 W	1 987 302 501

③ Plastic lamp, chrome-plated mounting on bumper

Mounting
Upright and pendant.

Fastening
With swivel bracket with threaded stud M10.

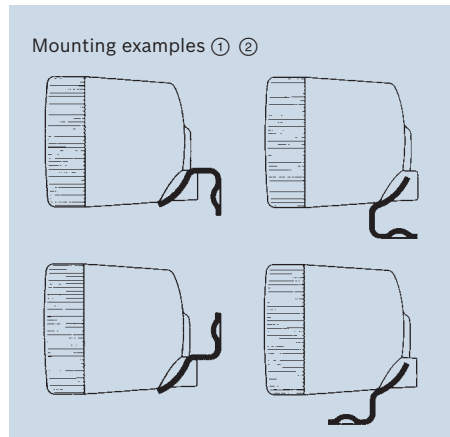
Electrical connection
Single-pole blade terminal.
Cable entry through rubber grommet.

Scope of delivery
1 lamp, mounting parts and installation instructions (without bulb).

Fog warning lamp	
red	0 313 103 006

Backup lamp	
clear	0 307 400 001

Bulb type	
P 21 W 12 V/21 W	1 987 302 201
24 V/21 W	1 987 302 501



¹⁾ Available while stocks last



170 x 85 mm



140 mm

Limitation light


④ Plastic lamp, black mounting on bumper
Mounting

Upright and pendant.

Fastening

Corrosion-protected swivel mounting bracket with threaded stud M10.

Light unit

Lens bonded watertight to reflector.

Electrical connection

Two-pole (separate ground connection). Blade terminals. Cable entry through special, splashproof hinged grommet.

Scope of delivery

1 lamp, mounting parts and installation instructions (without bulb).

Fog warning lamp

red	0 313 106 003
-----	----------------------

Backup lamp

clear	0 314 102 003
-------	----------------------

Spare parts

Rubber grommet	1 300 312 010
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Bulb type

P 21 W	12 V/21 W	1 987 302 201
	24 V/21 W	1 987 302 501


⑤ Plastic lamp, black mounting on bumper
Mounting

Upright and pendant.

Fastening

Corrosion-protected swivel mounting bracket with threaded stud M10.

Light unit

Lens bonded watertight to reflector.

Electrical connection

Two-pole (separate ground connection). Blade terminals. Cable entry through special, splashproof hinged grommet.

Scope of delivery

1 lamp, mounting parts and installation instructions (without bulb)

Fog warning lamp

red	0 313 107 002
-----	----------------------

Backup lamp

clear	0 314 104 002
-------	----------------------

Spare parts

Rubber grommet	1 300 312 010
----------------	----------------------

Bulb type

P 21 W	12 V/21 W	1 987 302 201
	24 V/21 W	1 987 302 501


⑥ Plastic limitation light, black
Mounting

Horizontal.

Scope of delivery

Sealing plate and bolts included.

Left mounting	0 315 109 003¹⁾
Right mounting	0 315 109 004¹⁾

Bulb type

R 5 W	12 V/5 W	1 987 302 204
	24 V/5 W	1 987 302 510

⑦ Indicator lamps, Plastic housing
Technical description
Installation

In instrument panel with wall thickness up to 5 mm.

Installation aperture

Ø 17 mm.

Fastening

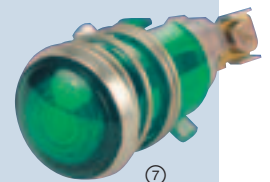
By bayonet connector.

Electrical connection

Two-pole.

With trim ring ⑦

green	0 310 153 003¹⁾
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¹⁾ Lieferung solange Vorrat reicht

Trucklight / Trucklight Maxlife

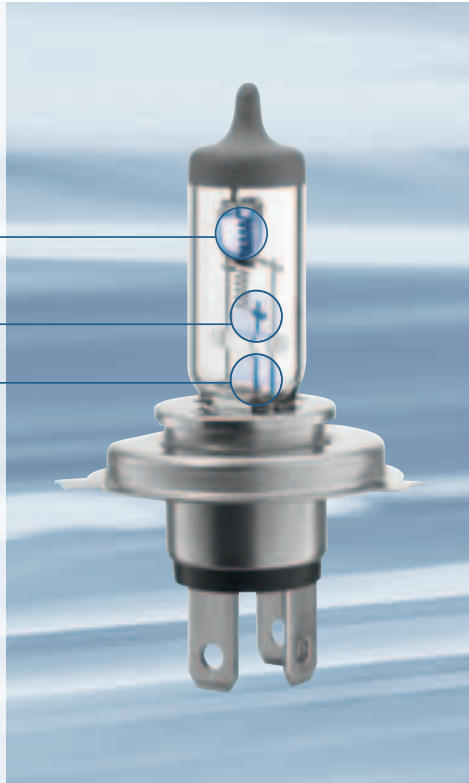


Bosch technology:

The tungsten filament has an optimized material structure thanks to high-temperature treatment

Enhanced filler gas composition and higher filler gas pressure

Greater filament stability



Area of application: Commercial vehicles

No doubt about it: Commercial vehicles need particularly powerful lights. Bosch supply a comprehensive range of 24 V automotive bulbs. Two product lines cover all requirements and areas of application.

Bosch Trucklight

High-grade materials and precision manufacturing guarantee consistent quality and maximum reliability – bulb for bulb. In contrast to 12 V halogen bulbs, 24 V truck bulbs have a doubly wound filament for optimum adaptation to commercial vehicle requirements. Automotive bulbs from Bosch are constantly checked under realistic conditions. This ensures that Bosch Trucklight bulbs fully conform to original equipment standards. The comprehensive Bosch Trucklight range has just the right bulb for practically every application.

Bosch Trucklight Maxlife

Bosch have always been pioneers in the field of vehicle lighting technology. The new Trucklight Maxlife range from Bosch is a good example of the continuous quality enhancement and development process. A long service life and robust design make Trucklight Maxlife from Bosch the professionals' choice of automotive bulb for all sorts of requirements: It is just as ideal for the everyday long motorway journeys of trucks and buses as it is for all commercial vehicles facing the toughest conditions in off-road use.

The Trucklight Maxlife range combines all the essential features for satisfying the most exacting demands:

- Long service life
- Reliability
- High light efficiency
- Robust construction

The special design, high-grade materials, excellent workmanship and stringent quality controls all form the basis for this.

Comprehensive range of 24 V bulbs for commercial vehicles

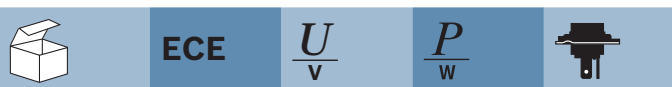
The Trucklight range from Bosch is available for practically all types of commercial vehicle and covers all requirements and areas of application.

Trucklight:

- ▶ Top quality and reliability – conforming to original equipment standards

Trucklight Maxlife:

- ▶ Durable and robust for off-road and motorway driving – reliable lighting even under the most challenging usage and road conditions
- ▶ Outstanding shock and vibration resistance for a long service life and greater economy



Trucklight

1 987 302 411	H1	24 V	70 W	P14,5s
1 987 302 421	R2	24 V	55/50 W	P45t
1 987 302 431	H3	24 V	70 W	PK22s
1 987 302 441	H4	24 V	75/70 W	P43t
1 987 302 471	H7	24 V	70 W	PX26d
1 987 302 501	P21W	24 V	21 W	BA15s
1 987 302 504	–	24 V	1,2 W	W2x4,6d
1 987 302 505	R10W	24 V	10 W	BA15s
1 987 302 507	C5W	24 V	5 W	SV8,5-8
1 987 302 508	–	24 V	2 W	BA9s
1 987 302 510	R5W	24 V	5 W	BA15s
1 987 302 527	R5W	24 V	5 W	BA15d
1 987 302 512	T4W	24 V	4 W	BA9s
1 987 302 514	–	24 V	1,2 W	B8,5d
1 987 302 515	–	24 V	1,2 W	B8,3d
1 987 302 516	–	24 V	2 W	W2,1x9,5d
1 987 302 517	W3W	24 V	3 W	W2,1x9,5d
1 987 302 518	W5W	24 V	5 W	W2,1x9,5d
1 987 302 519	–	24 V	3 W	BA7s
1 987 302 520	–	24 V	5 W	SV8,5-8
1 987 302 521	–	24 V	10 W	SV8,5-8
1 987 302 523	–	24 V	18 W	BA15s
1 987 302 524	P21/5W	24 V	21/5 W	BAY15d
1 987 302 526	–	24 V	15 W	BA15s
1 987 302 528	–	24 V	3 W	SV7-8
1 987 302 531	PY21W	24 V	21 W	BAU15s



Trucklight

1 987 302 532	P21W	24 V	21 W	BA15d
1 987 302 533	H21W	24 V	21 W	BAY9s
1 987 302 535	–	28 V	7 W	BA15s
1 987 302 536	–	24 V	24 W	BA15s

Trucklight Maxlife

1 987 302 701	P21W	24 V	21 W	BA15s
1 987 302 702	P21W	24 V	21 W	BA15d
1 987 302 703	PY21W	24 V	21 W	BAU15s
1 987 302 704	R5W	24 V	5 W	BA15s
1 987 302 705	R5W	24 V	5 W	BA15d
1 987 302 706	R10W	24 V	10 W	BA15s
1 987 302 707	T4W	24 V	4 W	BA9s
1 987 302 712	H1	24 V	70 W	P14,5s
1 987 302 732	H3	24 V	70 W	PK22s
1 987 302 742	H4	24 V	75/70 W	P43t
1 987 302 772	H7	24 V	70 W	PX26d

Supplementary „Parkpilot“ URF 7 For passenger cars and small vans



Do you ever get the feeling that parking spaces are getting smaller all the time?

And that visibility is becoming more and more of a problem? It doesn't take any time at all to scratch your bumper when getting into and out of parking spaces or maneuvering. Why not get some reliable assistance on board, in the form of the new Bosch Parkpilot? It "sees" things that are outside the driver's field of vision and provides reliable warnings.

The Bosch Parkpilot means that even tiny parking spaces will not result in the slightest scratch.

- ▶ Large detection range – detects even narrow and low objects
- ▶ Two different rear systems adapted for smaller or larger vehicles
- ▶ Sensors and contour rings can be painted in bumper color
- ▶ Expandable with front system if required

An exact fit for your vehicle

The sophisticated technology of Bosch's new Parkpilot generation fits into almost any vehicle. The electronic parking assistant can be retrofitted quickly and without major expense, regardless of the brand and model.



Safety for front and rear

Three or four rear sensors, depending on the size of the car, provide an extensive detection range. For perfect all-round safety, the front system has four sensors.

Everything in view

The sensors' extensive detection range provides comprehensive safety. At the rear, warnings are emitted at distances below 150 cm and below 100 cm at the front. Even small objects that are difficult to see, such as low flower boxes, wire mesh fences or narrow posts are reliably detected. The system detects obstructions that are outside your field of vision.

Automatically there for you

The Bosch Parkpilot is reliable and is always there for you when you need it. The front and rear system is automatically activated when reverse gear is engaged – providing active all-round safety. The front system can be activated separately by a switch.

Comfort and safety

When it comes to parking, every centimeter counts, particularly in areas you cannot actually see. The Parkpilot makes parking an easy task – even in the smallest spaces. Added comfort: The signal is automatically deactivated when the distance to the obstruction is no longer changing – there is no continuous signal at a standstill.



Designation	Spare parts	Part number
URF 7, 3 rear sensors		0 263 009 564
ECU	0 263 004 396	
System wiring harness	6 033 MCO 553	
Sensor wiring harness	0 263 006 178	
Display	0 263 005 030	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 176	
Accessory kit	0 263 006 076	
URF 7, 4 rear sensors		0 263 009 565
ECU	0 263 004 396	
System wiring harness	6 033 MCO 553	
Sensor wiring harness	0 263 006 179	
Display	0 263 005 030	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 076	
URF 7, 4 front sensors (only in combination with rear system)		0 263 009 566
System wiring harness	0 263 006 181	
Sensor wiring harness	0 263 006 180	
Display	0 263 005 031	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 077	
Pushbutton	6 033 MCO 677	
URF 7, 4 front sensors, Stand alone (no rear system necessary)		0 263 009 571
ECU	0 263 004 396	
System wiring harness I	0 263 006 189	
System wiring harness, automatic calibration for front, stand alone system	0 263 006 185	
System wiring harness II, rear for front, stand alone system	0 263 006 184	
Sensor wiring harness	0 263 006 180	
Display	0 263 005 031	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 188	
Pushbutton	6 033 MCO 677	

Accessories „Parkpilot“ URF 7



Designation	Spare parts	Part number
Accessories URF 7 front and rear		
Extension cable for display, length 1.5 m	0 263 006 093	
Extension cable for sensor wiring harness front 1.5 m	0 263 006 094	
Pushbutton for trailer hitch deactivation	0 341 500 801*	

Spare parts for URF 4 / URF 5 / URF 6



Display	Sensor	Sensor wiring harness	ECU	System wiring harness	Extension cable for display, length 1.2 m
URF 4					
0 263 005 011	0 263 009 163	0 263 009 057	0 263 004 011	0 263 009 304	0 263 009 338
URF 5					
0 263 005 011	0 263 009 412	1 036 029 073	0 263 004 011	0 263 009 304	0 263 009 338
URF 6					
	Designation	Spare part			
URF 6, 3 rear sensors (for 0 263 009 501)	ECU	0 263 004 396			
	System wiring harness	6 033 MC0 553			
	Sensor wiring harness	0 263 006 178			
	Display	0 263 005 030			
	Sensor	0 263 009 525			
	Fastening kit (sensor), with contour rings	0 263 006 090			
URF 6, 4 rear sensors (for 0 263 009 502)	Accessory kit	0 263 006 076			
	ECU	0 263 004 396			
	System wiring harness	6 033 MC0 553			
	Sensor wiring harness	0 263 006 179			
	Display	0 263 005 030			
	Sensor	0 263 009 525			
URF 6, 2 front sensors (for 0 263 009 503)	Fastening kit (sensor), with contour rings	0 263 006 075			
	Accessory kit	0 263 006 076			
	System wiring harness	6 033 MC0 554			
	Sensor wiring harness	6 033 MC0 549			
	Sensor	0 263 009 525			
	Fastening kit (sensor), with contour rings	0 263 006 078			
URF 6, 4 front sensors (for 0 263 009 539)	Accessory kit	0 263 006 077			
	System wiring harness	0 263 006 181			
	Sensor wiring harness	0 263 006 180			
	Display	0 263 005 031			
	Sensor	0 263 009 525			
	Fastening kit (sensor), with contour rings	0 263 006 075			
Spare parts (for all versions)	Accessory kit	0 263 006 077			
	Pushbutton	6 033 MC0 677			
	Extension cable for display, length 1.5 m	0 263 006 093			
	Extension cable for front sensor wiring harness	0 263 006 094			
	Pushbutton for trailer hitch deactivation	0 341 500 801			

Horns and fanfares from Bosch

A powerful signal



Horns and fanfares are needed in every motor vehicle. Particularly in hazardous situations, they allow the driver to warn other road users.

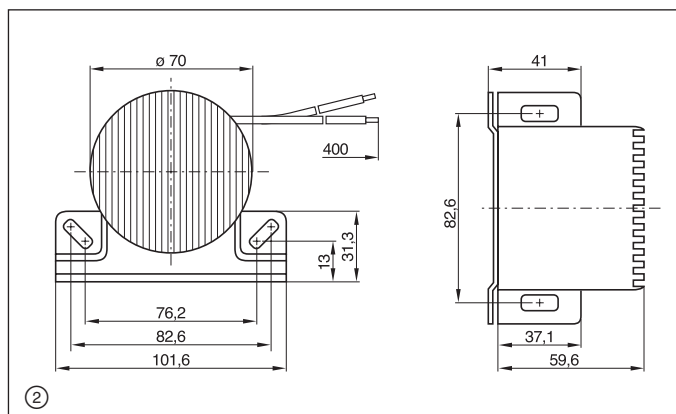
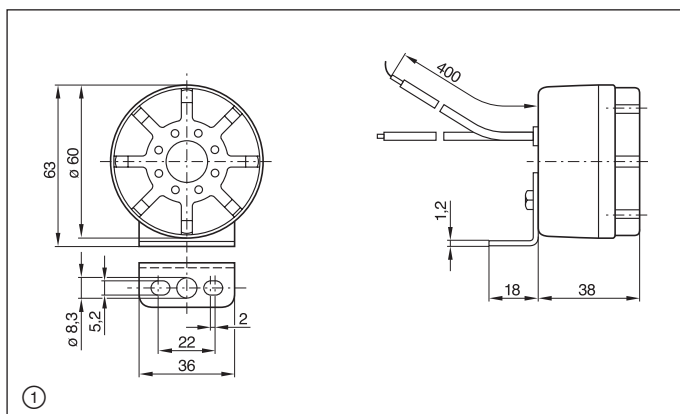
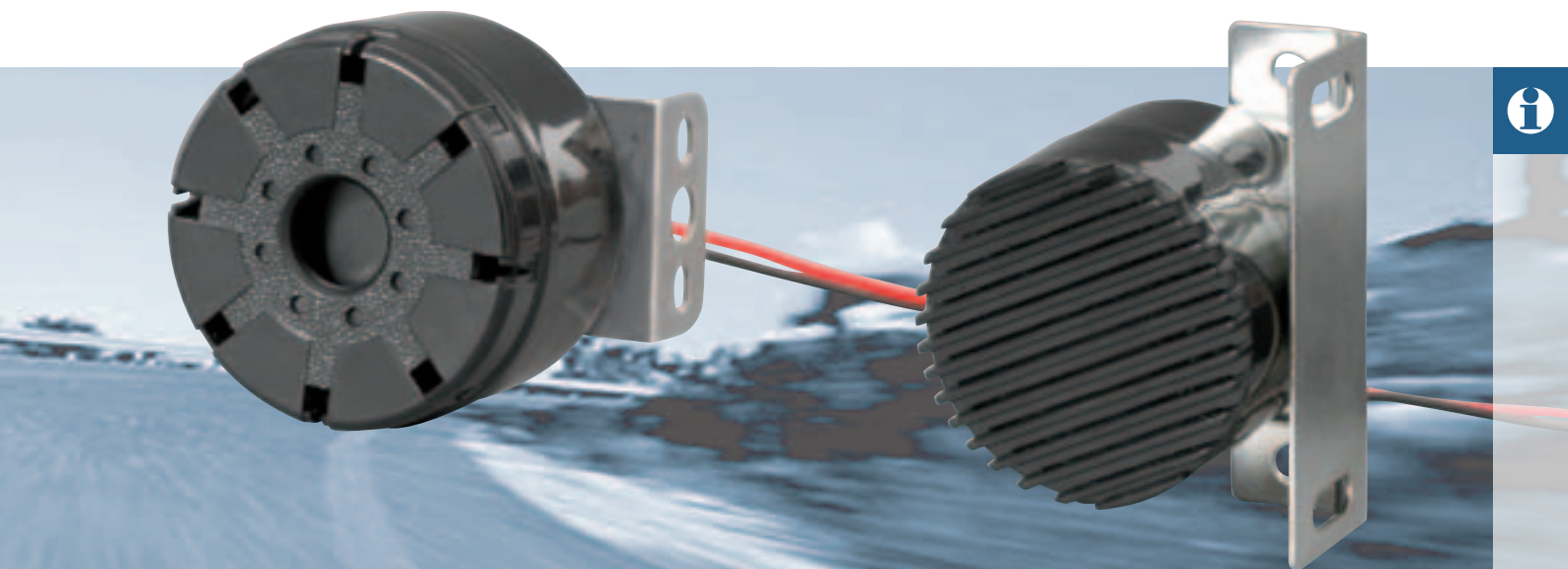
Bosch has been developing and producing acoustic signaling devices since 1921. Bosch signaling devices are based on these decades of experience and expertise and incorporate innovative technology.

Ultra-reliable functionality and state of the art technologies are their main features. The production sites are subject to stringent inspection and testing procedures, guaranteeing first-class product quality.

Today, numerous well-known vehicle manufacturers throughout the world trust the quality of our signaling devices. Bosch signaling devices provide increased safety on the road.

Backup warning buzzer

Active accident prevention for situations with impeded visibility



Additional safety for commercial vehicles when maneuvering and reversing in situations with impeded visibility and on construction sites.

The backup warning buzzer emits a warning tone as soon as reverse gear is engaged.

Specially suited for construction-site vehicles, cranes, public-service vehicles, forklift trucks, mobile industrial handling machinery and for haulage and bus companies.

Warning! Not all countries allow the use of backup warning buzzers on public roads. National road transport regulations must therefore be observed.

Scope of delivery: 1 backup warning buzzer with 400 mm cable, 2 connectors, fastening elements, installation instructions.

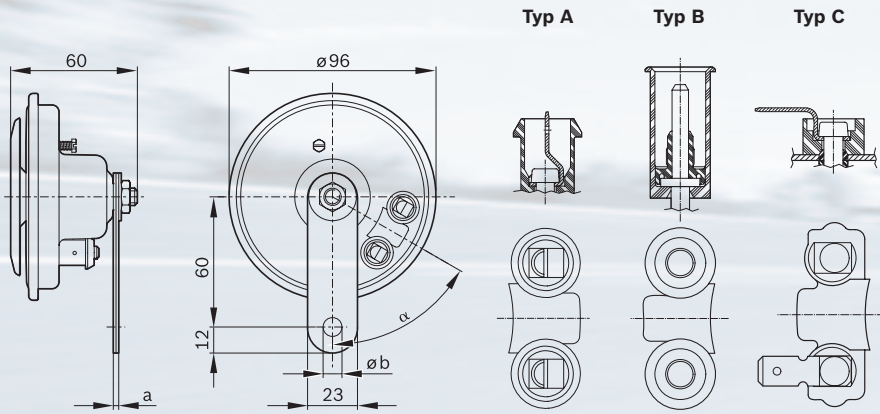
Fixed sound pressure level (Fig. ①)

Nominal voltage	12/24 V
Operating voltage	3.5 ... 30 V
Sound pressure level/1 m	≥ 97 dB
Frequency	3000 ± 200 Hz
Type of tone	Pulsed tone
Degree of protection	IP 67
Order number	0 986 334 001

Self-adjusting sound pressure level (Fig. ②)

Nominal voltage	12/24 V
Operating voltage	9 ... 28 V
Sound pressure level/1 m	82 ± 5 dB to 100 dB
Frequency	1000 ± 200 Hz
Type of tone	Pulsed tone
Degree of protection	IP 67
Order number	0 986 334 002

FC4



(Dimensions in the drawing valid for all FC4 signaling devices, for deviations see table)



Application range



Maximum attention

- ▶ Penetrating, harsh sound carries for long distances
- ▶ Unobstructed forward propagation of sound

Long service life and reliable quality

- ▶ Insensitive to rust and stone impact

Maximum functional reliability

- ▶ Solid mechanical construction
- ▶ Pressure compensation with microporous Teflon filter
- ▶ Weather-resistant material

Approved as per EC and ECE directives

- ▶ Including Austria and Switzerland

Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

EMC protection included

Features

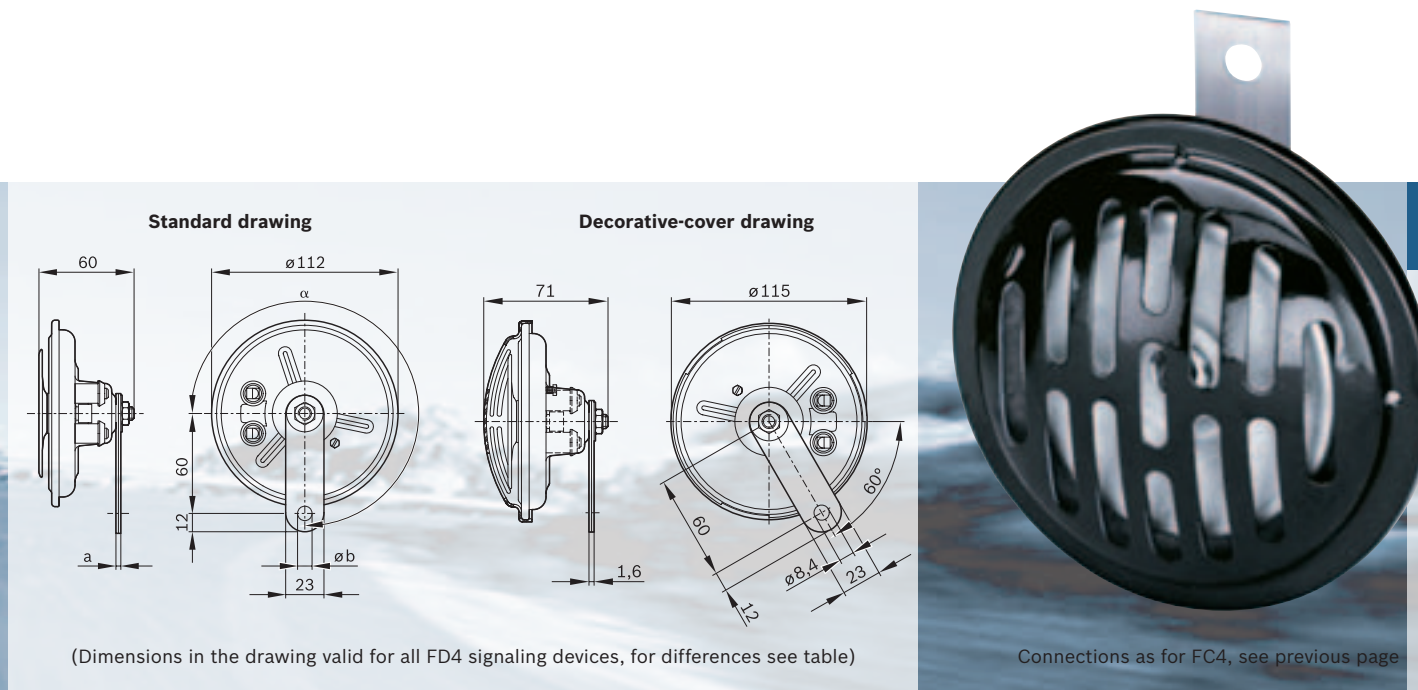
Voltage V	Output W	Frequency Hz	Color	a mm	Ø b mm	α Degrees	Connection	Weight kg	Part number
FC4									
6	30	335	Steel	2.4	Thread M8	275	Type A	0.35	0 986 320 101 □
6	30	335	Black	1.6	8.4	175	Type A	0.35	0 986 320 102 □
12	60	335	Steel	2.4	Thread M8	90	Type A	0.35	0 986 320 111 □
12	60	335	Steel	1.6	8.4	60	Type A	0.35	0 986 320 132 □ ¹⁾
12	60	335	Steel	1.6	8.4	275	Type A	0.35	0 986 320 146 □
12	60	335	Steel	1.6	10.5	90	Type A	0.35	0 986 320 112 □
12	60	335	Black	1.6	8.4	60	Type A	0.35	0 986 320 137 □
12	60	335	Black	2.4	8.4	100	Type A	0.35	0 986 320 188 □
12	60	335	Black	2.4	8.4	300	Type A	0.35	0 986 320 131 □
12	60	335	Black	1.6	8.4	285	Type B	0.35	0 986 320 148 □
12	60	335	Black	1.6	8.4	180	Type A	0.35	0 986 320 113 □
12	60	335	Black	2.0	8.4	60	Type C	0.35	0 986 320 110 ²⁾
12	60	335	Black	1.6	8.4	300	Type A	0.35	0 986 320 136 □ ³⁾
12	60	420	Steel	1.6	8.4	90	Type A	0.35	0 986 320 147 □
12	60	420	Steel	1.6	8.4	300	Type A	0.35	0 986 320 133 □ ¹⁾
12	60	420	Steel	2.4	8.7	100	Type A	0.35	0 986 320 140 □
12	60	420	Black	1.6	8.4	285	Type B	0.35	0 986 320 149 □
12	60	420	Black	1.6	8.4	270	Type A	0.35	0 986 320 114 □

Sets

Set consisting of 0 986 320 132 and 0 986 320 133	0 986 320 191 □ ¹⁾
Set consisting of high and low tone pre-fitted on 1 bracket	0 986 320 154 □

□ SB packaging for sales-promoting POS appearance ¹⁾ No EMC protection ²⁾ Three-point mounting ³⁾ Steel tone disk

FD4



Application range



Maximum attention

- ▶ Penetrating, harsh sound for long distances
- ▶ Unobstructed forward propagation of sound

Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

Maximum functional reliability

- ▶ Solid mechanical construction
- ▶ Weather-resistant material

Approved as per EC and ECE directives

- ▶ Including Austria and Switzerland

Attractive grill design

- ▶ Suitable for external mounting

Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

EMC protection included

Features

Voltage V	Output W	Frequency Hz	Color	a mm	Ø b mm	α Degrees	Connection ¹⁾	Weight kg	Part number
FD4									
12	60	335	Steel	1.6	8.4	60	Type A	0.36	0 986 320 310 □
12	60	420	Steel	1.6	8.4	300	Type A	0.36	0 986 320 311 □
24	60	335	Steel	1.6	8.4	270	Type A	0.36	0 986 320 301 □
24	60	420	Steel	1.6	8.4	60	Type A	0.36	0 986 320 302 □
24	60	335	Black	2.4	8.4	90	Type A	0.36	0 986 320 314 □
24	60	335	Black	1.6	8.4	270	Type A	0.36	0 986 320 317 □
24	60	335	Black	2.4	8.4	270	Type A	0.36	0 986 320 351 □
24	60	335	Black	2.4	10.5	155	Type B	0.36	0 986 320 312 □
24	60	420	Black	2.4	8.4	60	Type A	0.36	0 986 320 316 □
24	60	420	Black	2.4	8.4	155	Type B	0.36	0 986 320 313 □

FD4 with decorative cover

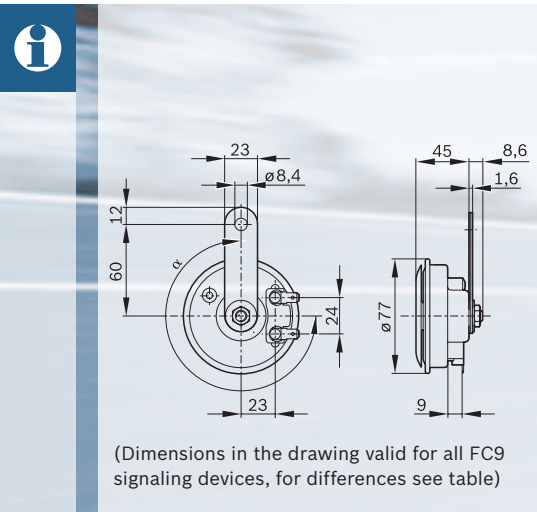
12	60	335	Steel	1.6	8.4	60	Type A	0.4	0 986 320 306 □
12	60	420	Steel	1.6	8.4	60	Type A	0.4	0 986 320 307 □

Set

Set consisting of high and low tone 0 986 320 310 and 0 986 320 311	0 986 320 392 □
Set consisting of high and low tone 0 986 320 301 and 0 986 320 302	0 986 320 394 □
Set consisting of high and low tone 0 986 320 306 and 0 986 320 307	0 986 320 393 □

□ SB packaging for sales-promoting POS appearance ¹⁾ Connections identical to FC4

FC9



Application range



High functional reliability

- ▶ Solid mechanical construction
- ▶ Use of weather-resistant materials

Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

Easy fitting in minimal space

- ▶ 25% smaller and lighter than normal-tone horns

Approved as per EC and ECE directives

Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

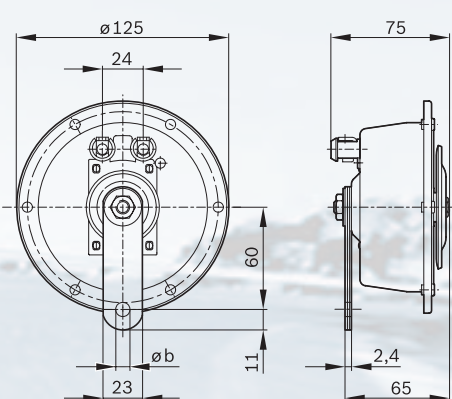
Features

Voltage V	Output W	Frequency Hz	Color	Ø b mm	α Degrees	Weight kg	Part number
FC9							
12	50	335	Steel	8.4	270	0.21	9 320 332 803
12	50	420	Steel	8.4	90	0.21	9 320 332 804
24	50	335	Steel	8.4	90	0.21	6 033 FB4 102
24	50	420	Steel	8.4	270	0.21	6 033 FB4 103

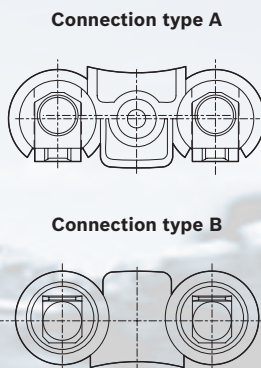
Sets

Set consisting of high and low tone 9 320 332 803 and 9 320 332 804	9 320 332 802
Set consisting of high and low tone 6 033 FB4 102 and 6 033 FB4 103	6 033 FB4 147

Supertone horn



(Dimensions in the drawing valid for all supertone horns, for differences see table)



Application range



Maximum attention

- ▶ Penetrating, harsh sound for long distances
- ▶ Unobstructed forward propagation of sound

Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

Maximum functional reliability

- ▶ Solid mechanical construction
- ▶ Pressure compensation with microporous Teflon filter
- ▶ Weather-resistant material

Approved as per EC and ECE directives

- ▶ Including Austria and Switzerland

Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

EMC protection included

Features

Voltage V	Output W	Frequency Hz	Color	Ø b mm	Connection	Weight kg	Part number
Supertone horn standard							
12	60	300	Black / silver	10.5	Type A	0.9	0 320 223 021
12	60	375	Black / silver	10.5	Type A	0.9	0 320 223 022 □
24	60	300	Black / silver	10.5	Type A	0.9	0 320 226 007 □
24	60	375	Black / silver	10.5	Type A	0.9	0 320 226 008 □
24	60	500	Black / silver	10.5	Type A	0.9	0 320 226 009 □
12	60	375	Black	8.4	Type B	0.9	0 320 223 201 □
12	60	375	Black	10.5	Type B	0.9	0 320 223 011 □
12	60	500	Black	10.5	Type B	0.9	0 320 223 012 □
24	60	375	Black	10.5	Type A	0.9	0 320 226 010 □
24	60	375	Black	10.5	Type B	0.9	0 320 226 011 □
24	60	500	Black	10.5	Type B	0.9	0 320 226 012 □

Supertone horn with decorative ring for priority vehicles (police, fire-fighting, ambulance etc.)

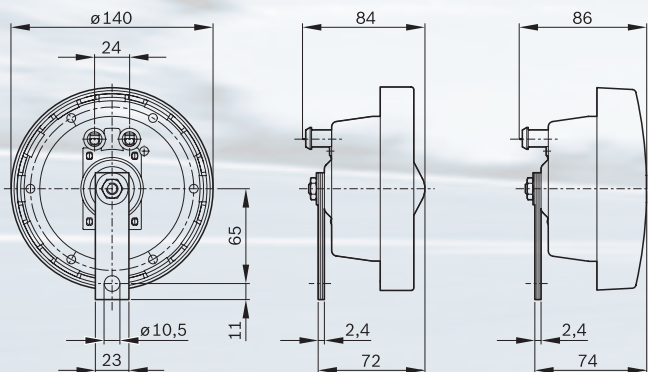
12	60	375	Black	10.5	Type A	0.9	0 320 223 002 □
12	60	500	Black	10.5	Type A	0.9	0 320 223 003 □
24	60	375	Black	10.5	Type A	0.9	0 320 226 002 □
24	60	500	Black	10.5	Type A	0.9	0 320 226 003 □

Tone-sequence switch for controlling the interval tone for priority vehicles

12	0 335 411 015 □
24	0 335 411 016 □

□ SB packaging for sales-promoting POS appearance

Supertone horn



Application range



Maximum attention

- ▶ Penetrating, harsh sound for long distances
- ▶ Unobstructed forward propagation of sound

Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

Maximum functional reliability

- ▶ Solid mechanical construction
- ▶ Pressure compensation with microporous Teflon filter
- ▶ Weather-resistant material

Approved as per EC and ECE directives

- ▶ Including Austria and Switzerland

Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

EMC protection included

Features

Voltage V	Output W	Frequency Hz	Color	Connection	Weight kg	Part number
-----------	----------	--------------	-------	------------	-----------	-------------

Supertone horn with decorative ring

12	60	300	Silver	Type A	0.95	0 320 223 016 <input type="checkbox"/>
12	60	375	Silver	Type A	0.95	0 320 223 017 <input type="checkbox"/>
24	60	300	Silver	Type A	0.95	0 320 226 016 <input type="checkbox"/>
24	60	375	Silver	Type A	0.95	0 320 226 017 <input type="checkbox"/>

Supertone horn with decorative grill

12	60	300	Black	Type A	0.95	0 320 223 804 <input type="checkbox"/>
12	60	375	Black	Type A	0.95	0 320 223 805 <input type="checkbox"/>
24	60	300	Black	Type A	0.95	0 320 226 004 <input type="checkbox"/>
24	60	375	Black	Type A	0.95	0 320 226 005 <input type="checkbox"/>
12	60	300	Chromium-plated	Type A	0.95	0 320 223 144 <input type="checkbox"/>
12	60	375	Chromium-plated	Type A	0.95	0 320 223 145 <input type="checkbox"/>

Sets

Set consisting of high and low tone 0 320 223 016 and 0 320 223 017 **0 320 223 911**

Set consisting of high and low tone 0 320 223 804 and 0 320 223 805 **0 320 223 910**

Supertone horn with decorative ring for priority vehicles (police, fire-fighting, ambulance etc.)

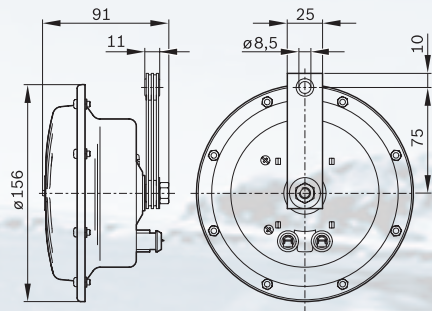
12		375	Silver	Type A	0.95	0 320 223 008 <input type="checkbox"/>
12		500	Silver	Type A	0.95	0 320 223 009 <input type="checkbox"/>

Tone-sequence switch for controlling the interval tone for priority vehicles

12					0.95	0 335 411 015 <input type="checkbox"/>
24					0.95	0 335 411 016 <input type="checkbox"/>

SB packaging for sales-promoting POS appearance

Megatone



Application range



Penetrating signal tone

- ▶ 118 dB (A) signal tone with long range

Attractive design

- ▶ High-quality chromium-plated protective grill
- ▶ Suitable for visible mounting

Maximum functional reliability

- ▶ Optimum-quality diaphragm and contact points

Tested quality

- ▶ Type-tested under EU directives

EMC protection included

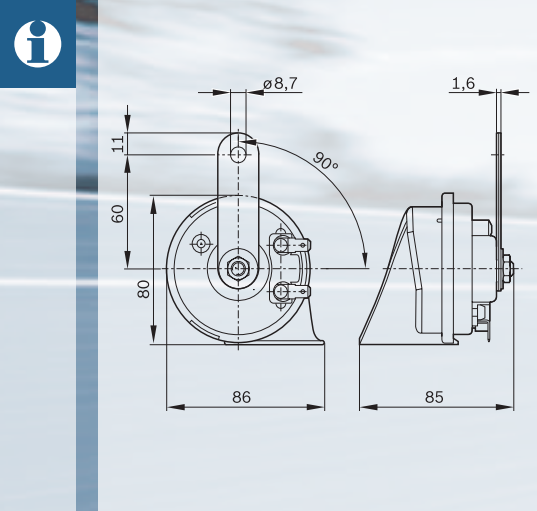
Features

Voltage V	Output W	Frequency Hz Low tone/ High tone	Color	Weight	Part number
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Megatone

Set consisting of 0 986 AH0 201 and 0 986 AH0 202	48	325/400	Silver	1,2	0 986 AH0 203
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EC9 – EVO



Application range



Maximum attention

- ▶ Soft melodic sound, even over long distances
- ▶ Unobstructed forward propagation of sound

Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

Maximum functional reliability

- ▶ Fracture-proof and corrosion-free plastic trumpet
- ▶ Pressure compensation with microporous Teflon filter
- ▶ Vibration-resistant

Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

EMC protection included

Approved as per EC and ECE directives

Features

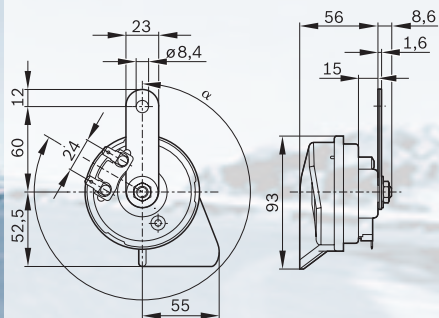
Voltage V	Output W	Frequency Hz	Color	Weight kg	Part number
Fanfare EC9					
12	60	420	Black	0.31	6 033 FB2 011 ¹⁾
12	60	420	Black	0.31	6 033 FB1 012 ¹⁾
12	60	420	Black	0.31	6 033 FB1 213 ²⁾
12	60	510	Black	0.31	6 033 FB1 214 ²⁾
12	60	420	Red	0.31	9 320 335 111 ¹⁾
12	60	510	Red	0.31	9 320 335 112 ¹⁾
12	60	420	Chromium-plated	0.31	6 033 FB1 194 ¹⁾
12	60	510	Chromium-plated	0.31	6 033 FB1 195 ¹⁾

Sets

Set consisting of 9 320 335 012 and 9 320 335 013	0.62	9 320 335 007 <input type="checkbox"/>
Set consisting of 6 033 FB1 213 and 6 033 FB1 214	0.62	6 033 FB1 217 <input type="checkbox"/>
Set consisting of 9 320 335 111 and 9 320 335 112	0.62	9 320 335 113 <input type="checkbox"/>
Set consisting of 6 033 FB1 194 and 6 033 FB1 195	0.62	6 033 FB1 193 <input type="checkbox"/>
Set consisting of relays, small parts and fitting instructions, in black	0.62	9 320 335 052 <input type="checkbox"/>

SB packaging for sales-promoting POS appearance ¹⁾ Galvanized housing ²⁾ Housing painted black

EC9-C



(Dimensions in the drawing valid for all EC9-C signaling devices, for differences see table)



Application range



Maximum attention

- ▶ High volumes achieved in direction of travel

Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

Upright installation

- ▶ Upright installation trumpet underneath
- ▶ Can be used as replacement for horns
- ▶ Particularly suitable for restricted installation conditions

Approved as per DIN and ECE regulations

Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

EMC protection included

Features

Voltage V	Output W	Frequency Hz	Color	α Degrees	Weight kg	Part number
Fanfare EC9-C						
12	60	420	Black	60	0.2	9 320 335 207
12	60	510	Black	300	0.2	9 320 335 208
12	60	420	Chromium-plated	60	0.2	6 033 FB1 505
12	60	510	Chromium-plated	300	0.2	6 033 FB1 506

Sets

Set consisting of 9 320 335 207 and 9 320 335 208

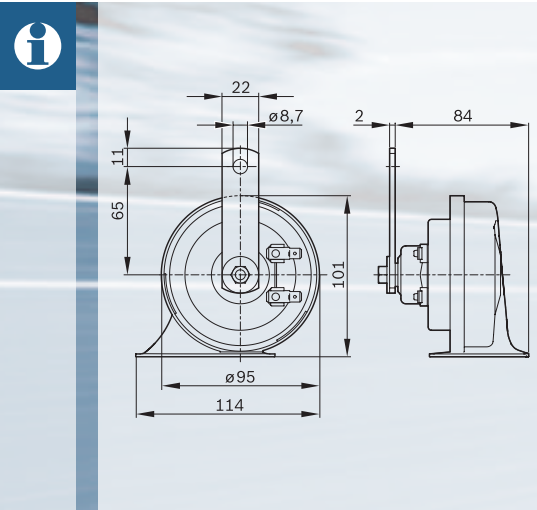
9 320 335 206

Set consisting of 6 033 FB1 505 and 6 033 FB1 506

6 033 FB1 510

SB packaging for sales-promoting POS appearance

Windtone



Application range



Audible safety

- ▶ Always a penetrating, pure warning tone even under the toughest of conditions

Long service life and reliable quality

- ▶ Optimum-quality diaphragm and contact points

Tested quality

- ▶ Approved as per ECE standards

Powerful tone

- ▶ 110 dB (A) at a distance of 2 meters

EMC protection included

Features

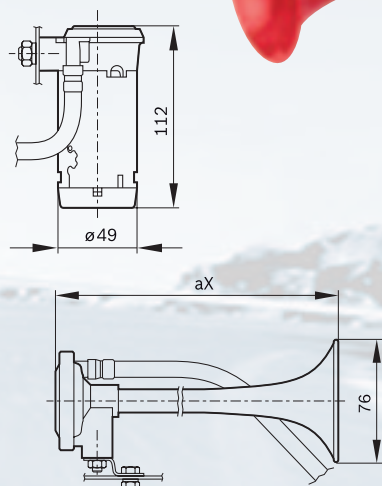
Voltage V	Output W	Frequency Hz	Color	Part number
Windtone				
12	60	420	Black	0 986 AH0 501
12	60	500	Black	0 986 AH0 502
12	60	420	Red	0 986 AH0 505
12	60	500	Red	0 986 AH0 506

Sets

Set consisting of 0 986 AH0 501 and 0 986 AH0 502	0 986 AH0 503 <input type="checkbox"/>
Set consisting of 0 986 AH0 505 and 0 986 AH0 506	0 986 AH0 507 <input type="checkbox"/>

- SB packaging for sales-promoting POS appearance

Compressor fanfare



Application range



Full power of 117 dB (A)

- ▶ Effective and harmonious sound in city and rural traffic

The best ratio between size and performance

- ▶ The best acoustic efficiency currently on the market

Compressor included

- ▶ Powerful and maintenance-free

Maximum functional reliability

- ▶ Impact-proof and weather-resistant plastic trumpet

Fast response time

- ▶ Between pressing the horn and hearing the tone

Easy fitting

- ▶ Quick installation thanks to two-hole mounting and blade terminal

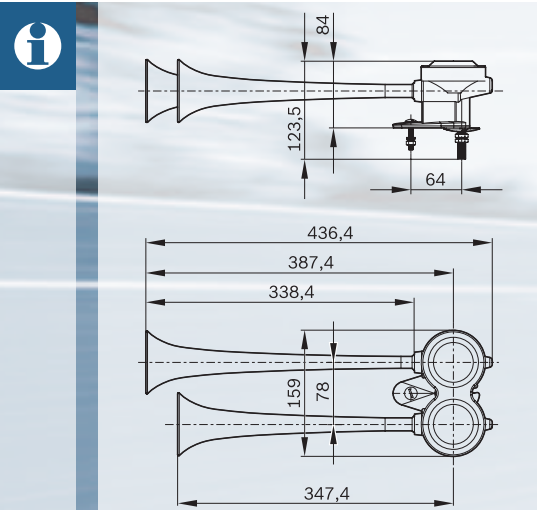


Features

Voltage V	Output W	Frequency 1 Hz	Frequency 2 Hz	Frequency 3 Hz	a1 mm	a2 mm	a3 mm	Weight kg	Part number
Mini compressor fanfares									
12	240	795	840	–	166	158	–	0.7	0 986 320 003 □
Two-tone compressor fanfares									
12	240	630	795	–	217	166	–	0.7	0 328 003 024 □
24	240	630	795	–	217	166	–	0.7	0 328 006 002 □
Three-tone compressor fanfares									
12	240	630	795	840	217	166	158	0.8	0 328 003 025 □
Replacement compressor									
12	240	–	–	–	–	–	–	–	1 327 223 006
24	240	–	–	–	–	–	–	–	1 327 223 005

□ SB packaging for sales-promoting POS appearance

Compressed-air fanfare



Application range



Maximum attention

- ▶ with penetrating two-tone signal audible over long distances

Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

Attractive design

- ▶ Two chromium-plated metal trumpets with black base

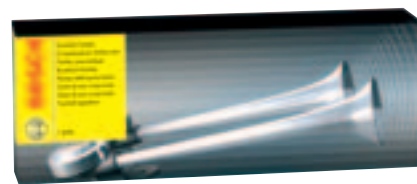
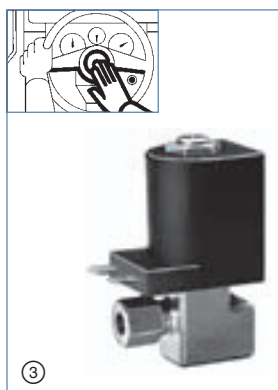
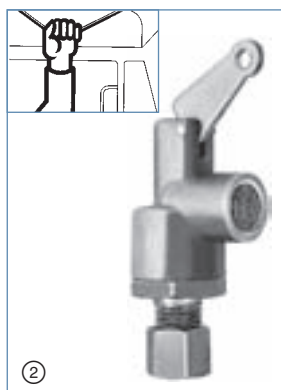
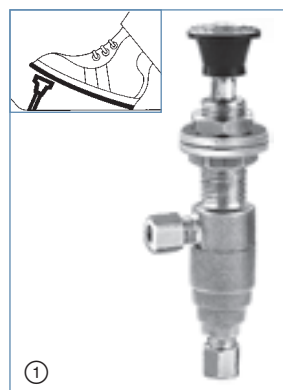
Approved as per German StVZO (FMVSS/CUR) and EC directives

Powerful tone

- ▶ 118 dB (A) at a distance of 2 meters

Secure mounting

- ▶ Secured and fixed anchorage using two-point mounting



Features

Pressure range bar	Volume dB (A)	Frequency Hz	Color	Connection	Weight kg	Part number
5 ... 8	118	300 / 320	Chromium-plated	for on-board compressor	1.2	0 328 100 002 □

Accessories

Description	Fitting	Illustration	Part number
Foot valve:	Fitted on floor of driver's cabin. Operated by foot pressure.	1	1 327 011 003
Pull valve:	Fitted on roof of driver's cabin. Operated by pulling.	2	1 327 011 004
Electric valve (24V):	Fitted in engine compartment. Operated using existing horn button.	3	1 327 011 002




Accessories for horns and fanfares (order separately)

Protects connections against dirt and moisture to increase weather resistance	3 340 522 025 ¹⁾
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□ SB packaging for sales-promoting POS appearance ¹⁾ Two units must be ordered for horns

Battery charger

Available from 03.2010

Figure	Type	Part number																																
<p>Battery charger C3</p> 	<p>Nominal specification (primary)</p> <table border="1"> <tr><td>Nominal voltage:</td><td>220–240 V~ 50/60 Hz</td></tr> <tr><td>Cutin current:</td><td>> 50 A</td></tr> <tr><td>Calculation input voltage:</td><td>max. 0.6 A (Effective value)</td></tr> <tr><td>Rated input:</td><td>60 W</td></tr> </table> <p>Nominal specification (secondary)</p> <table border="1"> <tr><td>Calculation voltage:</td><td>6 V/12 V</td></tr> <tr><td>Charge voltage:</td><td>7.2 V (±0.25 V) 14.4 V (±0.25 V) 14.7 V (±0.25 V)</td></tr> <tr><td>Charging current:</td><td>0.8 A (±10%) 3.6 A (±10%) 3.8 A (±10%)</td></tr> <tr><td>Rated current:</td><td>0.8 A/3.8 A</td></tr> <tr><td>Ripple ondulation:</td><td>max. 150 mV</td></tr> <tr><td>Return current:</td><td>< 5 mA (no AC-input)</td></tr> <tr><td>Degree of protection:</td><td>IP 65 (dust-protected, waterproof)</td></tr> <tr><td>Battery type:</td><td>6 V, 12 V lead-acid battery (AGM, GEL, Open and VRLA)</td></tr> <tr><td>Battery capacity:</td><td>6 V=, 1.2–14 Ah/12 V=, 14–120 Ah</td></tr> <tr><td>Noise level:</td><td>> 50 dB</td></tr> <tr><td>Surrounding temperature:</td><td>0 to 40°C</td></tr> <tr><td>Accessories:</td><td>In scope of delivery</td></tr> </table>	Nominal voltage:	220–240 V~ 50/60 Hz	Cutin current:	> 50 A	Calculation input voltage:	max. 0.6 A (Effective value)	Rated input:	60 W	Calculation voltage:	6 V/12 V	Charge voltage:	7.2 V (±0.25 V) 14.4 V (±0.25 V) 14.7 V (±0.25 V)	Charging current:	0.8 A (±10%) 3.6 A (±10%) 3.8 A (±10%)	Rated current:	0.8 A/3.8 A	Ripple ondulation:	max. 150 mV	Return current:	< 5 mA (no AC-input)	Degree of protection:	IP 65 (dust-protected, waterproof)	Battery type:	6 V, 12 V lead-acid battery (AGM, GEL, Open and VRLA)	Battery capacity:	6 V=, 1.2–14 Ah/12 V=, 14–120 Ah	Noise level:	> 50 dB	Surrounding temperature:	0 to 40°C	Accessories:	In scope of delivery	<p>0 189 999 030</p>
Nominal voltage:	220–240 V~ 50/60 Hz																																	
Cutin current:	> 50 A																																	
Calculation input voltage:	max. 0.6 A (Effective value)																																	
Rated input:	60 W																																	
Calculation voltage:	6 V/12 V																																	
Charge voltage:	7.2 V (±0.25 V) 14.4 V (±0.25 V) 14.7 V (±0.25 V)																																	
Charging current:	0.8 A (±10%) 3.6 A (±10%) 3.8 A (±10%)																																	
Rated current:	0.8 A/3.8 A																																	
Ripple ondulation:	max. 150 mV																																	
Return current:	< 5 mA (no AC-input)																																	
Degree of protection:	IP 65 (dust-protected, waterproof)																																	
Battery type:	6 V, 12 V lead-acid battery (AGM, GEL, Open and VRLA)																																	
Battery capacity:	6 V=, 1.2–14 Ah/12 V=, 14–120 Ah																																	
Noise level:	> 50 dB																																	
Surrounding temperature:	0 to 40°C																																	
Accessories:	In scope of delivery																																	
<p>Battery charger C7</p> 	<p>Nominal specification (primary)</p> <table border="1"> <tr><td>Nominal voltage:</td><td>220–240 V~ 50/60 Hz</td></tr> <tr><td>Cutin current:</td><td>> 50 A</td></tr> <tr><td>Calculation input voltage:</td><td>max. 1.2 A (Effective value)</td></tr> <tr><td>Rated input:</td><td>135 W</td></tr> </table> <p>Nominal specification (secondary)</p> <table border="1"> <tr><td>Calculation voltage:</td><td>12 V/24 V</td></tr> <tr><td>Charge voltage:</td><td>14.4 V/14.7 V (±0.25 V) 13.6 V/16.5 V (±0.25 V) 28.8 V/29.4 V (±2%)</td></tr> <tr><td>Charging current:</td><td>1.5 A (±10%) 3.0 A (±10%) 3.5 A (±10%) 5.0 A (±10%) 7.0 A (±10%)</td></tr> <tr><td>Rated current:</td><td>3.5 A/7.0 A</td></tr> <tr><td>Ripple ondulation:</td><td>max. 150 mV</td></tr> <tr><td>Return current:</td><td>< 5 mA (no AC-input)</td></tr> <tr><td>Degree of protection:</td><td>IP 65 (dust-protected, waterproof)</td></tr> <tr><td>Battery type:</td><td>12 V, 24 V lead-acid battery (AGM, GEL, Open and VRLA)</td></tr> <tr><td>Battery capacity:</td><td>12 V=, 14–230 Ah/24 V=, 14–120 Ah</td></tr> <tr><td>Noise level:</td><td>> 50 dB</td></tr> <tr><td>Surrounding temperature:</td><td>0 to 40°C</td></tr> <tr><td>Accessories:</td><td>In scope of delivery</td></tr> </table>	Nominal voltage:	220–240 V~ 50/60 Hz	Cutin current:	> 50 A	Calculation input voltage:	max. 1.2 A (Effective value)	Rated input:	135 W	Calculation voltage:	12 V/24 V	Charge voltage:	14.4 V/14.7 V (±0.25 V) 13.6 V/16.5 V (±0.25 V) 28.8 V/29.4 V (±2%)	Charging current:	1.5 A (±10%) 3.0 A (±10%) 3.5 A (±10%) 5.0 A (±10%) 7.0 A (±10%)	Rated current:	3.5 A/7.0 A	Ripple ondulation:	max. 150 mV	Return current:	< 5 mA (no AC-input)	Degree of protection:	IP 65 (dust-protected, waterproof)	Battery type:	12 V, 24 V lead-acid battery (AGM, GEL, Open and VRLA)	Battery capacity:	12 V=, 14–230 Ah/24 V=, 14–120 Ah	Noise level:	> 50 dB	Surrounding temperature:	0 to 40°C	Accessories:	In scope of delivery	<p>0 189 999 070</p>
Nominal voltage:	220–240 V~ 50/60 Hz																																	
Cutin current:	> 50 A																																	
Calculation input voltage:	max. 1.2 A (Effective value)																																	
Rated input:	135 W																																	
Calculation voltage:	12 V/24 V																																	
Charge voltage:	14.4 V/14.7 V (±0.25 V) 13.6 V/16.5 V (±0.25 V) 28.8 V/29.4 V (±2%)																																	
Charging current:	1.5 A (±10%) 3.0 A (±10%) 3.5 A (±10%) 5.0 A (±10%) 7.0 A (±10%)																																	
Rated current:	3.5 A/7.0 A																																	
Ripple ondulation:	max. 150 mV																																	
Return current:	< 5 mA (no AC-input)																																	
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Noise level:	> 50 dB																																	
Surrounding temperature:	0 to 40°C																																	
Accessories:	In scope of delivery																																	
<p>Accessories</p> 	<table border="1"> <tr><td>Hook for mobile application (C3)</td><td>0 189 999 130</td></tr> <tr><td>Wall-holding device (C7)</td><td>0 189 999 170</td></tr> </table>	Hook for mobile application (C3)	0 189 999 130	Wall-holding device (C7)	0 189 999 170																													
Hook for mobile application (C3)	0 189 999 130																																	
Wall-holding device (C7)	0 189 999 170																																	


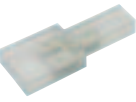

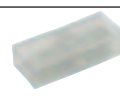



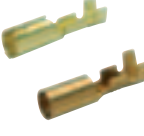
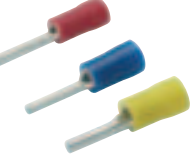


Cable connectors

Universally applicable



Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Material/finish*)	Qty. per pack	Part number
	Blade terminal	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	100	8 784 480 010
				1.5–2.5	blue	CuZn/tin-plated	100	8 784 480 011
	Blade terminal	2.8	0.8	0.5–1.0		CuZn/bright	100	7 781 700 006
		6.3	0.8	0.5–1.0		CuZn/bright	100	7 781 700 007
				0.75–1.5		CuZn/bright	100	7 781 700 008
				1.5–2.5		CuZn/bright	100	7 781 700 010
	Blade terminal with locking lance	6.3	0.8	1.0–1.5		CuZn/tin-plated	100	7 781 700 009
	Blade receptacle	2.8	0.5/0.8	0.5–1.0	red	CuZn/tin-plated	100	1 901 355 866
		4.8	0.8	0.5–1.0	red	CuZn/tin-plated	100	1 901 355 876
		6.3	0.8	0.5–1.0	red	CuZn/tin-plated	100	1 901 355 880
				1.5–2.5	blue	CuZn/tin-plated	100	1 901 355 881
				4.0–6.0	yellow	CuZn/tin-plated	50	1 901 355 882
		8.0	0.8	1.5–2.5	blue	CuZn/tin-plated	50	8 781 355 810
9.5	1.2	4.0–6.0	yellow	CuZn/tin-plated	50	8 781 355 811		
	Blade terminal with isolation	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	50	8 784 478 014
				1.5–2.5	blue	CuZn/tin-plated	50	8 784 478 015
	Blade receptacle	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	50	7 781 700 029
				1.5–2.5	blue	CuZn/tin-plated	50	7 781 700 030
				4.0–6.0	yellow	CuZn/tin-plated	50	7 781 700 031
	Blade receptacle	2.8	0.5/0.8	0.5–1.0		CuZn/bright	100	1 904 478 301
		4.8	0.5	0.5–1.0		CuZn/bright	100	1 904 478 325
			0.8	1.5–2.5		CuZn/bright	100	1 904 478 331
		6.3	0.8	0.5–1.0		CuZn/bright	100	1 901 355 835
				1.5–2.5		CuZn/bright	100	1 901 355 836
				4.0–6.0		CuZn/bright	100	1 901 355 837
		8.0	0.8	1.0–2.5		CuZn/bright	50	8 784 477 007
9.5	0.8	4.0–6.0		CuZn/bright	50	1 904 478 350		
	Blade receptacle	6.3	0.8	1.0–2.5		CuZn/bright	100	8 784 477 008
		9.5	1.2	2.5–4.0		CuZn/bright	50	7 781 700 012
	Blade receptacle with locking lance	4.8	0.8	0.5–1.5		CuSn/tin-plated	25	1 904 492 016
		6.3	0.8	0.5–1.0		CuZn/bright	100	1 901 355 968
				1.5–2.5		CuZn/bright	100	1 901 355 975
						CuZn/tin-plated	100	1 901 355 895
		4.0–6.0		CuZn/bright	50	1 901 355 981		
	Blade receptacle with branch	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	50	1 901 360 820
				1.5–2.5	blue	CuZn/tin-plated	50	1 901 360 821
	Predective cover for blade receptacle	6.3	0.8		transparent	Polyethylen natur	50	8 790 451 002
	Multiple-blade connector 2-fold	6.3	0.8			CuZn/bright	100	1 901 360 810





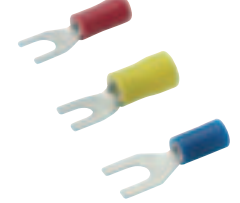


*) CuSn = bronze. CuZn = brass

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Material/finish*)	Qty. per pack	Part number
	Multiple-blade connector 3-fold	6.3	0.8			CuZn/bright	50	8 781 360 800
	Multiple-blade connector 3-fold	6.3	0.8			CuZn/nickel-plated	50	8 784 479 006
	Multiple-blade connector 4 way	6.3	0.8			CuZn/nickel-plated	50	8 784 479 005
	Flat connector	6.3	0.8			CuZn/tin-plated	50	8 781 360 810
	Pin terminal	Ø 4.0	0.8	0.5–1.0	red	CuZn/tin-plated	100	8 784 480 000
				1.5–2.5	blue	CuZn/tin-plated	100	8 784 480 001
	Pin terminal	Ø 4.0	0.8	0.5–1.0		CuZn/bright	100	7 781 700 013
				1.5–2.5		CuZn/bright	100	7 781 700 014
				1.5–2.5		CuZn/bright	100	7 781 700 015
	Pin receptacle	Ø 4.0	0.8	0.5–1.0	red	CuZn/tin-plated	100	8 781 355 000
				1.5–2.5	blue	CuZn/tin-plated	50	8 781 355 800
	Pin receptacle	Ø 3.5	0.8	0.5–1.0		CuZn/bright	100	7 781 700 000
		Ø 4.5		1.5–2.5		CuSn/blank	100	7 781 700 004
	Wire pin sleeve	Ø 1.8	0.8	0.5–1.0	red	Cu/tin-plated	100	7 781 700 017
				1.5–2.5	blue	Cu/tin-plated	100	8 784 480 009
				4.0–6.0	yellow	Cu/tin-plated	100	7 781 700 018
	Butt coupling		0.8	0.5–1.0	red	Cu/tin-plated	100	8 784 485 000
				1.5–2.5	blue	Cu/tin-plated	100	8 784 485 001
				4.0–6.0	yellow	Cu/tin-plated	50	8 784 485 023
	Multiple butt connector		0.8	0.5–1.5	blue	Cu/tin-plated	25	8 784 485 024
				4.0	yellow	Cu/tin-plated	25	8 784 485 025



*) CuSn = bronze. CuZn = brass



Cable connectors
universally applicable
 (continued)


Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Material/finish*)	Qty. per pack	Part number		
	Multiple butt connector			0.5–1.5	red	CuZn/tin-plated	25	7 781 700 027		
				1.5–2.5	blue	CuZn/tin-plated	25	8 784 485 034		
				4.0–6.0	yellow	CuZn/tin-plated	25	7 781 700 028		
	Wire end ferrule			up to 1.0		Cu/tin-plated	100	8 780 422 000		
				1.0–2.5		Cu/tin-plated	100	7 781 700 019		
				4.0–6.0		CuZn/tin-plated	100	7 781 700 020		
	Spark-plug connector					CuSn/bright	50	8 780 499 002		
	Cable lug	M3		0.5–1.0	red	Cu/tin-plated	100	8 781 353 119		
				1.5–2.5	blue	Cu/tin-plated	100	7 781 700 032		
		M4		0.5–1.0	red	Cu/tin-plated	100	8 781 353 121		
				1.5–2.5	blue	Cu/tin-plated	100	8 781 353 125		
				4.0–6.0	yellow	Cu/tin-plated	50	7 781 700 025		
		M5		0.5–1.0	red	Cu/tin-plated	100	8 781 353 122		
				1.5–2.5	blue	Cu/tin-plated	100	8 781 353 126		
				4.0–6.0	yellow	Cu/tin-plated	100	8 781 353 130		
		M6		0.5–1.0	red	Cu/tin-plated	100	7 781 700 021		
				1.5–2.5	blue	Cu/tin-plated	100	8 781 353 127		
				4.0–6.0	yellow	Cu/tin-plated	50	8 781 353 131		
		M8		0.5–1.0	red	Cu/tin-plated	100	7 781 700 022		
				1.5–2.5	blue	Cu/tin-plated	100	8 781 353 128		
		M10		4.0–6.0	yellow	Cu/tin-plated	50	8 781 353 132		
1.5–2.5	blue			Cu/tin-plated	50	7 781 700 023				
	Open cable lug	M4		0.5–1.0	red	Cu/tin-plated	100	8 781 353 007		
				4.0–6.0	yellow	Cu/tin-plated	50	7 781 700 026		
		M5		1.5–2.5	blue	Cu/tin-plated	100	8 781 353 009		
				4.0–6.0	yellow	Cu/tin-plated	50	8 781 353 008		
		M6		1.5–2.5	blue	Cu/tin-plated	100	8 781 353 000		
				4.0–6.0	yellow	Cu/tin-plated	100	8 781 353 001		
			Soldered cable lug	M6		up to 3.0		Cu/tin-plated	5	1 901 353 011
						up to 4.0		Cu/tin-plated	5	1 901 353 003
				M8		up to 5.0		Cu/tin-plated	5	1 901 353 004
						up to 5.0		Cu/tin-plated	5	1 901 353 005
						up to 6.0		Cu/tin-plated	5	1 901 353 006
				M10		up to 8.0		Cu/tin-plated	5	1 901 353 007
						up to 8.0		Cu/tin-plated	5	1 901 353 008
						up to 10.0		Cu/tin-plated	5	1 901 353 009
up to 10.0						Cu/tin-plated	5	1 901 353 009		
up to 12.0						Cu/tin-plated	5	1 901 353 010		
	Claw-type cable lug	M4		0.5–2.5		CuZn/bright	100	8 781 354 002		
		M5		0.5–2.5		CuZn/bright	100	8 781 354 003		
		M6		0.5–2.5		CuZn/bright	100	8 781 354 004		
		M8		0.5–2.5		CuZn/bright	100	8 781 354 005		
		M10		4.0–6.0		CuZn/bright	50	8 781 354 006		

*) CuSn = bronze. CuZn = brass

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Material/finish*)	Qty. per pack	Part number
	Single blade terminal	M3	6.3	–		CuZn/bright	100	1 901 020 801
		M4	6.3	–		CuZn/bright	100	1 901 020 802
		M5	6.3	–		CuZn/bright	100	1 901 020 803
	Double blade terminal	M6	6.3	–		CuZn/bright	50	8 784 477 005

*) CuSn = bronze. CuZn = brass

Setbox cable connector set, 175 pcs.

	Design	Contact width mm	For conductor cross section mm ²	Qty.	Part number
	Blade terminal	6.3	0.5–1.0	10	1 987 532 100
	Blade terminal	6.3	1.5–2.5	10	
	Blade receptacle	6.3	0.5–1.0	10	
	Blade receptacle	6.3	1.5–2.5	10	
	Cable lug	M3	0.5–1.0	10	
	Cable lug	M4	0.5–1.0	10	
	Cable lug	M5	0.5–1.0	10	
	Cable lug	M3	1.5–2.5	10	
	Cable lug	M4	1.5–2.5	10	
	Cable lug	M5	1.5–2.5	10	
	Cable lug	M5	4.0–6.0	10	
	Cable lug	M6	4.0–6.0	10	
	Open cable lug	M4	0.5–1.0	10	
	Open cable lug	M5	1.5–2.5	10	
	Open cable lug	M4	4.0–6.0	10	
	Butt coupling		0.5–1.0	10	
	Butt coupling		1.5–2.5	10	
Butt coupling		4.0–6.0	5		

Line connectors

Universally applicable – High-performance

Universally applicable. High-performance crimp connectors using shrink sleeve techniques with internal coating

Minimum shrinkage temperature: 100 °C

Permanent application temperature range: -55 °C...+125 °C

100% waterproof



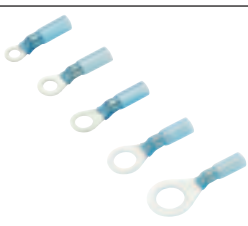




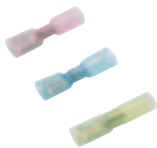


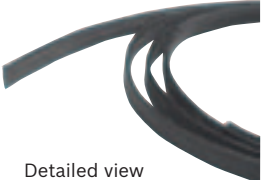

Figure	Design	Contact width	For conductor cross section mm ²	Colour	Sleeve diameter expanded mm ²	shrunk mm ²	Qty. per pack	Part number
	Butt coupling		0.1–0.5	white/ transparent	3.7	1.0	25	1 987 532 035
			0.5–1.5	red/ transparent	4.3	1.4	25	1 987 532 000
			1.5–2.5	blue/ transparent	5.0	1.8	25	1 987 532 001
			4.0–6.0	yellow/ transparent	6.5	2.2	25	1 987 532 002
	Cable lug	M4	0.5–1.5	red/ transparent	4.3	1.4	25	1 987 532 003
		M5	0.5–1.5	red/ transparent	4.3	1.4	25	1 987 532 004
		M6	0.5–1.5	red/ transparent	4.3	1.4	25	1 987 532 005
		M8	0.5–1.5	red/ transparent	4.3	1.4	25	1 987 532 006
		M10	0.5–1.5	red/ transparent	4.3	1.4	25	1 987 532 007
	Cable lug	M4	1.5–2.5	blue/ transparent	5.0	1.8	25	1 987 532 008
		M5	1.5–2.5	blue/ transparent	5.0	1.8	25	1 987 532 009
		M6	1.5–2.5	blue/ transparent	5.0	1.8	25	1 987 532 010
		M8	1.5–2.5	blue/ transparent	5.0	1.8	25	1 987 532 011
		M10	1.5–2.5	blue/ transparent	5.0	1.8	25	1 987 532 012
	Cable lug	M4	4.0–6.0	yellow/ transparent	6.5	2.2	25	1 987 532 013
		M5	4.0–6.0	yellow/ transparent	6.5	2.2	25	1 987 532 014
		M6	4.0–6.0	yellow/ transparent	6.5	2.2	25	1 987 532 015
		M8	4.0–6.0	yellow/ transparent	6.5	2.2	25	1 987 532 016
		M10	4.0–6.0	yellow/ transparent	6.5	2.2	25	1 987 532 017
	Open cable lug	M4	0.5–1.5	red/ transparent	4.3	1.4	25	1 987 532 018
		M5	0.5–1.5	red/ transparent	4.3	1.4	25	1 987 532 019
	Open cable lug	M4	1.5–2.5	blue/ transparent	5.0	1.8	25	1 987 532 020
		M5	1.5–2.5	blue/ transparent	5.0	1.8	25	1 987 532 021
	Open cable lug	M4	4.0–6.0	yellow/ transparent	6.5	2.2	25	1 987 532 022
		M5	4.0–6.0	yellow/ transparent	6.5	2.2	25	1 987 532 023

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Sleeve diameter expanded mm ²	Sleeve diameter shrunk mm ²	Qty. per pack	Part number
	Blade receptacle	6.3	0.8	0.5–1.5	red/transp.	6.5	1.4	25	1 987 532 024
		6.3	0.8	1.5–2.5	blue/transp.	6.5	1.8	25	1 987 532 025
		6.3	0.8	4.0–6.0	yellow/transp.	6.5	2.2	25	1 987 532 026
	Blade terminal	6.3	0.8	0.5–1.5	red/transp.	4.3	1.4	25	1 987 532 027
		6.3	0.8	1.5–2.5	blue/transp.	5.0	1.8	25	1 987 532 028
		6.3	0.8	4.0–6.0	yellow/transp.	6.5	2.2	25	1 987 532 029

Braided sleeve in dispenser box

	Colour: black Length: 10 m Stretch: 1:2 Permanent application temperature range: -55°C...+130°C	diameter nominal mm	diameter stretched mm	Part number
		10	15	1 987 532 032
		15	27	1 987 532 033
		25	34	1 987 532 034
				
Detailed view				

Shrink-sleeve sets



Figure	Design	Part number
--------	--------	-------------

Properties of shrink-down tubing:

- Flexible
- Universally applicable
- Shrink rate 2:1
- Permanent application temperature range: -55°C bis 125°C
- Minimum shrinking temperature: 110°C



Shrink-sleeve set, small
 Internal diameter (mm)
 1.2/2.4/4.8/9.5/19.0/38.0 before shrinking
 Contents: approx. 30 m (90 ft)
 Permanent application temperature range:
 -55°C...+125°C
 Minimum shrinkage temperature: 110°C

1 987 532 030



Shrink-sleeve set, large
 Internal diameter (mm)
 1.2/1.6/2.4/3.2/4.8/6.4/9.5/12.7 before shrinking
 Contents: approx. 30 m (90 ft)
 Shrink rate: 2:1
 Permanent application temperature range:
 -55°C...+125°C
 Minimum shrinkage temperature: 110°C

1 987 532 031



Shrink-sleeve set, with butt coupling
 as per DIN-VDE-0293-308

Colour	For conduction cross section mm ²	Qty.
transparent	0.1-0.5	5
red	0.5-1,5	5
blue	1.5-2.5	20
yellow	4.0-6.0	20

Thermal-protection shrink-sleeve

Length mm	Diameter mm	Qty.
70	1.6-0,8	28
	2.4-1,2	28
	3.2-1.6	20
	4.8-2.4	16
	6.4-3.2	12
	6.4-2.0	5
	3.2-1.0	7

1 987 532 101

Cables

Product presentation



Materials and markings

- FL** Vehicle cables
- R** Reduced thickness of insulation wall
- Y** PVC insulation
- Sn** Tin-plated conductor
- A** Symmetrical strand layout
- B** Asymmetrical strand layout

Example

FL	R	Y	A	0.5
				Nominal cross section
				Strand layout
				PVC insulation
				Reduced thickness of insulation wall
Vehicle cable				

Color coding

The cable colors are defined as per DIN 47 002/ DIN IEC 304, short symbols as per IEC 757. The color is controlled by comparison with the RAL color register 840R.

Layout example for copper strands for vehicle cables

Asymmetrical strand layout "B"



Symmetrical strand layout "A"



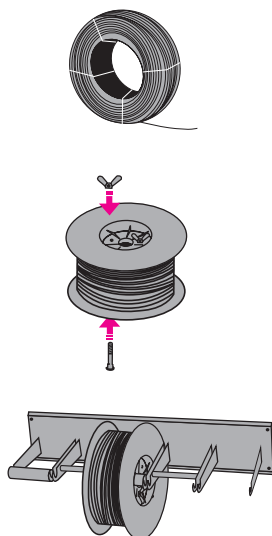
Strands with a symmetrical layout are used where there are significant requirements for a constant insulation wall thickness (particularly for cables with thin wall insulation).

Design and accessories

Your order is supplied on cardboard rings, diameter \varnothing 125 mm, width 90 mm.

To match the wound rings, we offer:

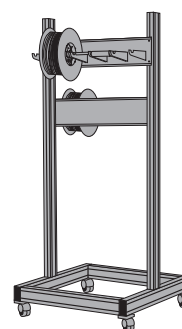
- ▶ Reusable, standardized two-piece plastic cable drums for easy unwinding of the cables.
- ▶ Cable dispenser for up to 5 plastic cable drums. It is possible to store several dispensers on a cable-drum trolley*.



* Not included in catalog.

The benefits for you


- ▶ No empty drums in warehouse
- ▶ No return transport
- ▶ No waste disposal
- ▶ No freight costs
- ▶ No transport damage



Dispenser trolley can be loaded on both sides.

Vehicle cables



Illustration	Description
<p>FLRY Vehicle cable with thin-wall PVC insulation</p> 	<p>Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722.</p> <p>Insulation: Soft PVC with characteristics as per ISO 6722, Class B, lead-free.</p> <p>Special characteristics: Temperature range: -40 °C ... +105 °C (3000 h).</p>


Type Description	Conductor cross section mm ²	Insulation color	Packaging unit m	Part number
FLRY (Type A and B) Conductor, bare, with plastic insulation	0.35 (Type A)	White	500 ¹⁾	5 998 340 058
		Blue	500 ¹⁾	5 998 340 104
		Brown	500 ¹⁾	5 998 340 105
		Black	500 ¹⁾	5 998 340 057
	0.5 (Type A)	White	500 ¹⁾	5 998 340 003
		Yellow	500 ¹⁾	5 998 340 004
		Orange	500 ¹⁾	5 998 340 011
		Red	500 ¹⁾	5 998 340 016
		Blue	500 ¹⁾	5 998 340 010
		Green	500 ¹⁾	5 998 340 008
		Gray	500 ¹⁾	5 998 340 007
		Brown	500 ¹⁾	5 998 340 006
		Black	500 ¹⁾	5 998 340 009
		0.75 (Type B)	White	500 ¹⁾
	Yellow		500 ¹⁾	5 998 340 166
	Red		500 ¹⁾	5 998 340 175
	Blue		500 ¹⁾	5 998 340 167
	Green		500 ¹⁾	5 998 340 168
	Gray		500 ¹⁾	5 998 340 165
	Brown		500 ¹⁾	5 998 340 176
	1.0 (Type B)	White	500 ¹⁾	5 998 340 135
		Yellow	500 ¹⁾	5 998 340 136
		Red	500 ¹⁾	5 998 340 177
		Blue	500 ¹⁾	5 998 340 137
		Green	500 ¹⁾	5 998 340 138
	1.5 (Type B)	Black	500 ¹⁾	5 998 340 139
		White	500 ¹⁾	5 998 340 080
		Yellow	500 ¹⁾	5 998 340 140
		Red	500 ¹⁾	5 998 340 051
		Purple	500 ¹⁾	5 998 340 081
		Blue	500 ¹⁾	5 998 340 082
		Green	500 ¹⁾	5 998 340 021
Gray		500 ¹⁾	5 998 340 142	
Brown		500 ¹⁾	5 998 340 052	
Black	500 ¹⁾	5 998 340 056		

¹⁾ 50 m available on request

Vehicle cables

Type Description	Conductor cross section mm ²	Insulation color	Packaging unit m	Part number
FLRY (Type B) Conductor, bare, with plastic insulation	2.5 (Type B)	White	400 ¹⁾	5 998 340 153
		Yellow	400 ¹⁾	5 998 340 060
		Red	400 ¹⁾	5 998 340 024
		Blue	400 ¹⁾	5 998 340 088
		Green	400 ¹⁾	5 998 340 062
		Gray	400 ¹⁾	5 998 340 162
		Brown	400 ¹⁾	5 998 340 025
	4.0 (Type B)	Black	400 ¹⁾	5 998 340 091
		White	200 ¹⁾	5 998 340 049
		Red	200 ¹⁾	5 998 340 036
		Blue	200 ¹⁾	5 998 340 039
		Brown	200 ¹⁾	5 998 340 042
		Black	200 ¹⁾	5 998 340 044

¹⁾ 50 m available on request

Illustration	Description
	<p>FLY Vehicle cable with PVC insulation</p> <p>Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722.</p> <p>Insulation: Soft PVC with characteristic as per ISO 6722, Class B, lead-free.</p> <p>Special characteristics: Cables with cross sections >6 mm² can be used as battery cables. Temperature range: -40 °C ... +90 °C (3000 h).</p>

Type Description	Conductor cross section mm ²	Insulation color	Packaging unit m	Part number
FLY Conductor, bare, with plastic insulation	0.75	White	100 ¹⁾	5 998 343 068
		Yellow	100 ¹⁾	5 998 343 081
		Red	100 ¹⁾	5 998 343 092
		Blue	100 ¹⁾	5 998 343 111
		Green	100 ¹⁾	5 998 343 124
		Gray	100 ¹⁾	5 998 343 137
		Brown	100 ¹⁾	5 998 343 145
		Black	100 ¹⁾	5 998 343 153
	1.00	Red	100 ¹⁾	5 998 343 016
		Green	100 ¹⁾	5 998 343 019
		Brown	100 ¹⁾	5 998 343 020
		Black	100 ¹⁾	5 998 343 021


¹⁾ 50 m available on request

Cables (continued)




Type Description	Conductor cross section mm ²	Insulation color	Packaging unit m	Part number
FLY Conductor, bare, with plastic insulation	1.5	White	100 ¹⁾	5 998 343 071
		Yellow	100 ¹⁾	5 998 343 022
		Red	100 ¹⁾	5 998 343 023
		Blue	100 ¹⁾	5 998 343 024
		Green	100 ¹⁾	5 998 343 027
		Gray	100 ¹⁾	5 998 343 028
		Brown	100 ¹⁾	5 998 343 029
		Black	100 ¹⁾	5 998 343 030
		Yellow/red	100 ¹⁾	5 998 343 085
		Gray/red	100 ¹⁾	5 998 343 185
		Gray/black	100 ¹⁾	5 998 343 186
		White/black	100 ¹⁾	5 998 343 079
		Black/red	100 ¹⁾	5 998 343 187
		Black/green	100 ¹⁾	5 998 343 165
	2.5	White	100 ¹⁾	5 998 343 050
		Yellow	100 ¹⁾	5 998 343 183
		Red	100 ¹⁾	5 998 343 001
		Blue	100 ¹⁾	5 998 343 031
		Green	100 ¹⁾	5 998 343 034
		Gray	100 ¹⁾	5 998 343 035
		Brown	100 ¹⁾	5 998 343 036
		Black	100 ¹⁾	5 998 343 002
	4.0	Yellow	100 ¹⁾	5 998 343 184
		Red	100 ¹⁾	5 998 343 097
		Black	100 ¹⁾	5 998 343 157
	6.0	Red	50	5 998 343 189
		Blue	50	5 998 343 190
		Black	50	5 998 343 196
	10.0	Red	50	5 998 343 188
		Black	50	5 998 343 191
	16.0	Black	50	5 998 343 192
	25.0	Black	50	5 998 343 193
35.0	Black	25	5 998 343 194	
50.0	Black	25	5 998 343 195	
70.0	Black	25	5 998 343 197	

¹⁾ 50 m available on request


Illustration	Description
<p>FLYY-F Plastic hose for vehicles</p> <p>Illustration shows the 3-core cable</p> 	<p>Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722.</p> <p>Insulation / Sheath: Soft PVC with characteristics as per ISO 6722, Class B, lead-free.</p> <p>Special characteristics: Sheathed cable in circular (single core) and flat (multiple core) design.</p>

Type Description	Number of cores x nominal cross section mm ²	Sheath wall-thickness specified value mm	Insulation color	Packaging unit m	Part number
FLYY-F	1 x 1.5	0.6	Black	50	5 998 351 003
	1 x 2.5	0.6	Black	50	5 998 351 004
	2 x 1.5	0.6	Black	50	5 998 351 101
	3 x 1.5	0.6	Black	50	5 998 351 105



Illustration	Description
<p>FLYY Plastic sheathed cable for vehicles</p> <p>Illustration shows the 7-core cable</p> 	<p>Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722, stranded cores.</p> <p>Insulation / Sheath: Soft PVC with characteristics as per ISO 6722, Class B, lead-free.</p>

Type Description	Number of cores x nominal cross section mm ²	Core colors ¹⁾	Color of sheath	Packaging unit m	Part number
FLYY	5 x 1.5	ge, ws, gn, br, sw	Black	50	5 998 352 013
	7 x 1.5	ge, bl, ws, gn, br, rt, sw	Black	50	5 998 352 018
	8 x 1.5	ge, bl, ws, gn, br, rt, sw, vi	Black	50	5 998 352 021

Illustration	Description
<p>FLYZ PVC twin cable</p> 	<p>Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722.</p> <p>Insulation: Soft PVC with characteristics as per ISO 6722. Class B, lead-free.</p> <p>Special characteristics: Suitable for use as speaker cable. Temperature range: -40°C ... +105°C (3000 h).</p>

Type Description	Number of cores x nominal cross section mm ²	Insulation color ¹⁾	Packaging unit m	Part number
FLYZ	2 x 0.75	br/br-rt	50	7 781 999 939
	2 x 1.50	Black	50	7 781 999 950

¹⁾ Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple


Cables (continued)




Illustration	Description
<p>XYMHY-O FLYY 9 x 1.5 + 4 x 2.5 (fine-wire copper cable with light plastic insulation)</p>	<p>Conductor: Cu wire, bare, Cu ETP 1 as per EN 13602, stranded cores. Insulation: PVC, lead-free.</p>

Type Description	Cores	Conductor structure nom. mm	Cross section nom. mm ²	Color of sheath	Packaging unit m	Part number
XYMHY-O	1, 2, 4, 5, 6, 7, 8, 11, 12	30 x 0.25	1.5	Black	25	1 987 352 005
	3, 9, 10, 13	50 x 0.25	2.5			

Industrial cables

Illustration	Description
<p>H 05 RR-F Light rubber sheathed cable</p> <p>Illustration shows the 4-core cable</p> 	<p>Conductor: Fine-wire copper cable with light rubber insulation, stranded cores. Insulation / Sheath: Rubber compound as per VDE 0282. Special characteristics: Nominal voltage U_0/U: 300 V/500 V.</p>


Type Description	Number of cores x nominal cross section mm ²	Core colors ¹⁾	Color of sheath	Packaging unit m	Part number
H 05 RR-F	2 x 0.75	br, hbl	Black	50	6 244 001 203
	2 x 1.50	br, hbl	Black	50	6 244 001 205
	3 x 1.50	gnge, br, hbl	Black	50	6 244 002 305
	3 x 2.50	gnge, br, hbl	Black	50	6 244 002 306
	4 x 1.50	gnge, sw, hbl, br	Black	50	6 244 002 405

Illustration	Description
<p>H 05 VV-F Medium PVC sheathed cable</p> <p>Illustration shows the 4-core cable</p> 	<p>Conductor: Fine-wire copper cable with plastic insulation, individual wires bare, stranded cores. Insulation: Thermoplastic PVC, lead-free.</p>

Type Description	Number of cores x nominal cross section mm ²	Core colors ¹⁾	Color of sheath	Packaging unit m	Part number
H 05 VV-F	2 x 1.50	br, hbl	Black	50	6 254 011 205
	3 x 1.50	gnge, br, hbl	Black	50	6 254 012 305
	4 x 0.75	gnge, sw, hbl, br	Black	50	6 254 012 403
	4 x 1.50	gnge, sw, hbl, br	Black	50	6 254 012 405


¹⁾ Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple

Industrial cables

Illustration	Description
<p>H 07 RN-F Heavy rubber sheathed cable</p> <p>Illustration shows the 5-core cable</p> 	<p>Conductor: Fine-wire copper cable with rubber insulation, individual wires tin-plated or bare, stranded cores.</p> <p>Insulation / Sheath: Rubber compound as per VDE 0282.</p> <p>Special characteristics: Nominal voltage U_0/U: 300 V/500 V. For connection of commercial tools, equipment and machinery. The cables are suitable for fixed installation e.g. on construction sites.</p>

Type Description	Number of cores x nominal cross section mm ²	Core colors ¹⁾	Color of sheath	Packaging unit m	Part number
H 07 RN-F	3 x 1.5	gnge, br, hbl	Black	50	6 259 002 305
	3 x 2.5	gnge, br, hbl	Black	50	6 259 002 306
	4 x 1.5	gnge, sw, hbl, br	Black	50	6 259 002 405
	4 x 2.5	gnge, sw, hbl, br	Black	50	6 259 002 406
	5 x 2.5	gnge, sw, hbl, br, gr	Black	50	6 259 002 506

¹⁾ Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple, gr = grey

Illustration	Description
<p>H 01 N2-D Single-core cable</p> 	<p>Conductor: Ultra-fine-wire copper cable, bare.</p> <p>Insulation / Sheath: Sheath oil-resistant and not-flammable.</p> <p>Special characteristics: Nominal voltage: 200 V. Can be used for welding equipment in industry, e.g. automotive engineering, and for commercial electrodes, e.g. in workshops or on construction sites.</p>

Type Description	Nominal cross section mm ²	Color of sheath	Packaging unit m	Part number
H 01 N2-D	16	Black	50	6 168 910 161
	25	Black	50	6 168 910 251
	35	Black	25	6 168 910 351
	50	Black	25	6 168 910 501
	70	Black	25	6 168 910 701
	95	Black	25	6 168 910 951

Accessories




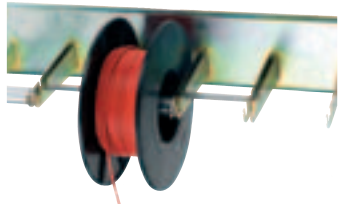


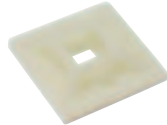
Illustration	Description	Part number
 <p>Plastic cable drum</p>  <p>Application example</p> 	<p>Reusable, two-piece plastic cable drum:</p> <ul style="list-style-type: none"> ▶ Can be attached to cardboard rings. ▶ Quick and easy to fit by hand. ▶ Screwed together with 2 thumb screws*. <p>* Included in scope of delivery.</p>	7 781 999 948

Illustration	Description	Part number
<p>Cable dispenser</p>  <p>Application example</p> 	<p>Cable dispenser for 5 plastic cable drums with mounting elements.</p> <p>Supplied with 5 shafts to allow storage of</p> <ul style="list-style-type: none"> ▶ Plastic cable drums (shaft Ø 30 mm) ▶ Dispenser rollers* (shaft Ø 10 mm) <p>* Also fits dispenser rollers as delivered up to now.</p>	7 781 999 949

Copper cable for general use, accessories

	Cable ties			
	Dimensions mm	Pack Qty.	Part number black	Part number transparent
	390 x 4.8	100	1 987 352 011	7 781 999 596
	203 x 4.8	100	1 987 352 010	7 781 999 592
	150 x 3.6	100	1 987 352 009	7 781 999 593
102 x 2.5	100	1 987 352 008	7 781 999 594	

	Mounting plates for cable ties	
	For securing wiring harness, self-adhesive. Colour white. Dimensions: 28 x 28 mm	
Design	Part number	
25 pack qty., screw type	7 781 999 595	

Materials and lubricants

Note:
Safety data sheets
on the MKG homepage

Schmierfette und -öle

Lubricating grease

Color: Light beige

Application: Repair of CP3 pumps

225 ml tube **1 987 123 050**

Special silicone grease VS 17 050 FT

Color: White

Thermal application range: -50...+180°C.

Properties: Water repellent and resistant to oxidation, large thermal application range, change of consistency, good pressure absorption.
Application: Adjusting lever shaft bearing for distributor injection pumps.

50 g tube **5 994 420 005**

High temperature grease

Color: Dark natural tone

Thermal application range: -10...+90°C.

Properties: Heat-resistant, highly adhesive. Not suitable for rolling bearings, and lubrication points which come into contact with water.
Application: Ignition cam and cam follower on the ignition contacts.

225 ml tube **5 700 002 025**

Rolling-bearing grease

Color: Beige

Thermal application range: -20...+130°C.

Properties: Mineral, highly adhesive, protects against corrosion, water-repellent.
Application: DC generators and alternators, sliding and rolling bearings in case of medium thermal loading.

225 ml tube **5 700 009 025**

Lubricating grease VS 18 036-FT

Color: black

Thermal application range: -50...+150°C

Properties: Synthetic, oxidation protection, wear protection, resistant to aging.
Application: Planetary gearbox, spiral spline, commutator end shield cap, for electrically energized starters.

Spiral spline and commutator end shield cap, for permanently energized starters (R and S series).
225 ml tube **1 987 123 060**

Lubricating grease VS 17 707-FT

Color: beige

Thermal application range: -45...+120°C

Properties: Synthetic, oxidation protection, wear protection, resistant to aging.
Application: Relay armature, for electrically and permanently energized starters with solenoid switch.

Do not use with relay armatures with sliding lacquer coating (start-stop starter and starter with rubber bellows).

225 ml tube **1 987 123 070**

Lubricating grease VS 17 427-FT

Color: black

Thermal application range: -30...+135°C

Properties: Synthetic, oxidation protection, wear protection, resistant to aging.

Application: Slot bushing for freewheeling, for start-stop-starters and conventional starters

225 ml tube **1 987 123 080**

Anti-friction bearing grease VS 15-164 FT

Color: green

Thermal application range: -20...+150°C

Properties: Excellent thermal and squeeze stability, oxidation resistant, water repellent, anti-corrosion.

Application: DC and AC alternators, for anti-friction bearings with higher loads and speeds.

225 ml tube **1 987 123 090**

Lubricating grease FT 2 V 1

Color: white

Thermal application range: -70...+160°C

Properties: Water repellent, excellent resistance to aging, soft.

Application: Clutch plates, longitudinal grooves, for permanent lubrication with high thermal loads.

225 ml tube **1 987 123 100**

Assembly materials

Insulating paste

Color: White

Melting point: -40...+300°C.

Properties: wax-type, odorless, improvement of the insulating properties at secondary-sides connections of the ignition system, prevention of head sparkover at spark plugs.

Application: Spark-plug connectors, interference-suppressed, protective caps, distributor caps and the like.

45 ml tube **1 987 123 010**

Screw sealants

Screw locking paint

Color: Yellow

Consistency: Thick-flowing.

Properties: Hardening time: 2 to 3 mins at room temperature.

Application: Fuel-injection pumps, threaded fittings, Jetronic.

20 ml tube **5 703 245 000**



Test bench equipment

Calibrating oil V 1404

Color: light

Properties: Mineral, low viscosity

Application: Injection pump test benches.

25 l canister **5 980 570 025**

Anticorrosion agents

Acid-proof grease

Color: Red

Properties: Mineral, acid-resistant, prevents formation of salt.

Application: Battery terminals.

225 ml tube **5 700 102 025**

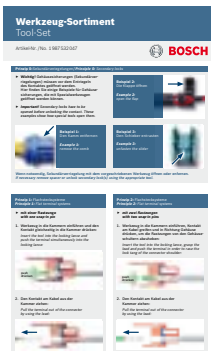
Tools

Convenience electronics

Extraction tools Product information

- ▶ For damage-free release of plug contacts, e.g. blade contacts and pin contacts.
- ▶ Disconnection faults can be resolved quickly, easily and professionally
- ▶ Universal application in the field of automotive electrics
- ▶ Extendable slider for protection of blades and prevention of injury
- ▶ Universal tools, e.g. JPT 2.8 mm tool, suitable for more than 70% of standard connections

Figure	Description	Part number
	Contact example: JPT 2.8 mm/5.8 mm	1 987 532 048
	Contact example: Junior Timer 1.48 mm	1 987 532 049
	Contact example: Micro Timer II	1 987 532 050
	Contact example: QKK 1.5 mm Contact for blade terminals with 2 grip mechanism	1 987 532 051
	Contact example: Sensor Timer Special tool for 2.8 mm Tyco sensor blade terminals	1 987 532 052



Tool box **1 987 532 047**

The tools are suitable for all common vehicles. All principles are blade terminal systems.

Crimping tools**Product information****Crimping pliers**

- ▶ Processing of conductor and insulation crimping in a single operation
- ▶ Integrated, unlocking lock secures the crimping
- ▶ Easy to use
- ▶ Ergonomic soft handles

Crimping pliers with easy replacement system











- ▶ Quick and easy replacement of heads with snap connector
- ▶ Integrated lock secures the crimping
- ▶ Modular design and construction of pliers reduces procurement costs
- ▶ Universal crimping profile of replacement head allows a wide range of connectors to be processed
- ▶ Effort-saving use due to optimum transmission ratio

Cable stripper

- ▶ Stripping and cutting of fine-wire and solid conductors with PVC insulation, from 0.03–6.0 mm²
- ▶ Adjustable stripping length from 3–16 mm
- ▶ Lightweight and easy to use
- ▶ Automatic adjustment of cross-section
- ▶ Adjustable for different insulation thicknesses
- ▶ Zero fatigue working due to ergonomic design
- ▶ No damage to head

Field of application

DIN cable lug, pin cable lug, blade terminals and blade receptacles, pin terminals and receptacles, butt connectors, parallel connectors

Figure	Description	Part number
	Cable stripping tool Stripping and cutting of firm and solid wire with PVC insulation, from 0.03 to 6.0 mm ²	1 987 532 036
	Crimping tool For cable cross-section: Red 0.5–1.0 mm ² 20–16 AWG Blue 1.5–2.5 mm ² 16–14 AWG Yellow 4.0–6.0 mm ² 12–10 AWG	1 987 532 037
	Crimping tool For cable cross-section: Profile 1 0.5–1.0 mm ² 20–16 AWG Profile 2 1.0–2.0 mm ² 16–14 AWG Profile 3 4.0–6.0 mm ² 12–10 AWG Profile 4 0.5–1.0 mm ² 20–16 AWG	1 987 532 038
	Handle, short for changeable tool heads	1 987 532 039
	Tool head, yellow/red and blue, for cable cross-section: 0.35–0.5 mm ² /AWG 22–20 Yellow insulated shrink-down tubing connectors 0.5–1.0 mm ² /AWG 20–16 Red insulated shrink-down tube connectors 1.5–2.5 mm ² /AWG 16–14 Blue insulated shrink-down tube connectors	1 987 532 041
	Tool head without insulation Crimp, yellow, for cable cross-section: 4–6 mm ² Yellow insulated shrink-down tubing connector	1 987 532 042
	Tool head for red/blue insulated connectors for cable cross-section: Red 0.5–1.0 mm ² AWG 20–16 Blue 1.5–2.5 mm ² AWG 16–14	1 987 532 043
	Tool head for yellow insulated connectors for cable cross-section: 4.0–6.0 mm ² AWG 12–10	1 987 532 044
	Universal tool head for cable cross-section: 0.35–0.5 mm ²	1 987 532 045
	Universal tool head for cable cross-section: 0.5–1.0 mm ²	1 987 532 046



de

Elektronischer Katalog für Kraftfahrzeug-Ausrüstung

en

Electronic Catalogue for Automotive Parts

fr

Catalogue électronique de pièces détachées et de rechange

it

Catalogo elettronico per ricambi di automobili

es

Catálogo electrónico de los componentes del automóvil



The easy way to all Automotive Parts – under Windows 2000/XP/Server 2003/Vista/Server 2008/7

1. Direct entry of article numbers/names

2. Jumps back to the window before

3. Selected vehicle

4. Shows further vehicle information

1 987 720 014



Einfacher und schneller Zugriff auf Kfz-Ausrüstungsdaten von Bosch in 18 Sprachen.

Easy and quick access to vehicle application data from Bosch in 18 languages.

Accès facile et rapide aux données de rechange automobile Bosch – en 18 langues.

Ricerca semplice e veloce dei dati Bosch di equipaggiamento veicoli in 18 lingue.

Fácil y rápido acceso a la información de equipamiento Bosch para vehículos en 18 idiomas.

Connectors

13-pole 12 V connector ISO 11446

Application

This connector is used for the electrical connection between the towing vehicle and the trailer.

Technical data

The connector complies with ISO 11446. Tests were carried out in compliance with ISO 4091.

Contact allocation

Connector N-type according to ISO 1724

Contact no.	Colour	mm ²	Circuit for
1	yellow	1.5	Left-hand direction indicator light
2	blue	1.5	Rear fog light
3 ¹⁾	white	2.5	Earth (for circuit to contact no. 1 bis 8)
4	green	1.5	Right-hand direction indicator light
5	brown	1.5	Right-hand rear position and marker lights, and rear registration-plate illuminating device ²⁾
6	red	1.5	Stop-lights
7	black	1.5	Left-hand rear position and marker lights, and rear registration-plate illuminating device ¹⁾
8	pink	1.5	Reversing light
9	orange	2.5	Power supply (permanent positive)
10	grey	2.5	Power supply (controlled by ignition switch)
11 ¹⁾	white/black	2.5	Earth (for circuit to contact no. 10)
12	–	1.5	Reserved for future allocation
13 ¹⁾	white/red	2.5	Earth (for circuit to contact no. 9)

¹⁾ The three earth cables shall not be connected electrically in the trailer.

²⁾ The rear registration-plate illuminating device shall be connected in such that no lamp of the device has a common connection with either contact 5 or 7.

7-pole 12 V connector ISO 1724/ISO 3732

Application

This connector is used for the electrical connection between the towing vehicle and the trailer.

Technical data

The N-type is normed in ISO 1724. The S-type is colour coded in white and corresponds to ISO 3732. The tests were carried out in accordance with ISO 1724 and ISO 3732.

Contact allocation

Connector N-type according to ISO 1724

Contact no.	Core insulation colour (for information)	mm ²	Circuit for
1 / L	yellow	1.5	Left-hand direction indicator light
2 / 54g	blue	1.5	Rear fog light
3 / 31	white	2.5	Earth
4 / R	green	1.5	Right-hand direction indicator light
5 / 58R	brown	1.5	Right-hand rear position and marker lights, and rear registration-plate illuminating device ¹⁾
6 / 54	red	1.5	Stop-lights
7 / 58L	black	1.5	Left-hand rear position and marker lights, and rear registration-plate illuminating device ¹⁾

Connector S-type according to ISO 3732

1	yellow	1.5	Reversing light ²⁾
2		1.5	Reserved for future allocation
3	white	2.5	Earth (for circuit to contact no. 4)
4	green	2.5	Power supply (permanent positive)
5	brown	1.5	No allocation
6	red	2.5	Power supply (controlled by ignition switch)
7	black	2.5	Earth (for circuit to contact no. 6)

¹⁾ The rear registration-plate illuminating device shall be connected in such a manner that no lamp of such a device has a common connection with both contacts 2 and 6.

²⁾ The earth for the circuit of this contact will normally be by contact no. 3 of the 12N connector according to ISO 1724.









Plugs, sockets,

Plugs and sockets for trailer connection (12 V program)

Figure	Designation	Description	Part number
	Trailer plug, 3-pole	Plastic, 12 V, for single-axle towing, switch-off contact	0 352 130 001
	Socket (trailer), 3-pole	Plastic, 12 V, for single-axle towing, switch-off contact	0 352 030 002
	Trailer plug, 4-pole	Plastic, 12 V, for narrow-track towing vehicle, commercial vehicles, as additional plug-connection cable	0 352 140 001
	Socket (trailer), 4-pole	Plastic, 12 V, for narrow-track towing vehicle, commercial vehicles, as additional plug-connection cable	0 352 040 002
	Trailer plug, 7-pole	Metal, 12 V, for cars, connecting to ISO 1724, N-version	0 352 170 004
	Socket (trailer), 7-pole	Metal, 12 V, for cars, connecting to ISO 1724, N-version	0 352 070 011
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	0 986 352 028
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sheet-metal panel, sealing ring	0 986 352 820 <input type="checkbox"/>
	Trailer plug, 7-pole	For cars, connecting to ISO 1724, N-version	0 352 170 003
	Trailer plug, 7-pole	Folding plug, 12 V, for cars, connecting to ISO 1724, N-version	0 986 352 816 <input type="checkbox"/>

Self-service pack

Plugs and sockets for trailer connection (12 V program)

Figure	Designation	Description	Part number
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	0 986 352 029
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sheet-metal panel and seal	0 986 352 819 □
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	0 986 352 817 □
	Trailer plug, 13-pole	Plastic, 12 V, for cars, standard DIN/ISO 11446	0 986 352 814 □
	Socket (trailer), 13-pole	Plastic, 12 V, for cars, standard DIN/ISO 11446	0 986 352 026
	Socket (trailer) 13-pole	Plastic, 12 V, for cars, as ...026, but with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sealing ring	0 986 352 815 □
	Short adapter	Plastic, 12 V, for connecting 7-pole and 13-pole, without cable	0 986 352 813 □
	Parking socket, 13-pole	Plastic, 12 V, to protect against dust and splashwater, for unplugged trailer plugs	0 986 352 030



Plugs, sockets (continued)

Figure	Designation	Description	Part number
Standard sockets			
	Surface-mounted standard socket	with blade terminal 6,3 mm, fitting for standard and universal sockets, max. 16 A/12–24 V, TÜV tested and controlled, with contacts as per ISO 4165	0 986 352 006
	Surface-mounted standard socket, housing 2-pole	12 A at 6–24 V, Housing (aluminum), socket (plastic), 2 holes, Ø 4,5mm, hole spacing 46 mm, screw terminal for wire and ferrules	0 352 221 001
	Panel-mounted standard socket, 2-pole	12 A at 6–24 V, housing (aluminum), socket (plastic), with hexagonal nut M18x1, SW 22, 1 screw terminal (+)	0 352 222 008
	Panel-mounted standard socket, 2-pole	12 A at 6–24 V, housing (aluminum), socket (plastic), hinged cover olive green, with hexagonal nut M18x1, SW 22, 1 screw terminal (+)	0 352 222 009
	Panel-mounted standard socket to DIN	With 6.3mm flat connection, secured with hexagon nut, suitable for standard and universal plugs, max. 16 A/1–24 V, TÜV tested and monitored, complies with DIN ISO 4165, installation aperture 18 mm	0 986 352 007 0 986 352 805 □
	Panel-mounted standard socket to DIN	Water tight, with screw-on cover, 12–24 V, water tight seal, IP 67, 16 A, contacts comply with DIN ISO 4165, pre-assembled with 300mm cable, secured with hexagon nut, installation aperture: 18.4 mm, temperature resistant: –40 °C to 105 °C	0 986 352 823
	Panel-mounted standard socket to DIN	With cover, with 6.3 mm flat connection, cover protects against dust and splashed water, secured with hexagon nut, suitable for standard and universal plugs, max. 16 A/1–24 V, TÜV tested and monitored, complies with DIN ISO 4165, installation aperture 18 mm	0 986 352 804
	Panel-mounted standard triple socket	Three standard sockets, 12–24 V, connected using 6.3 mm flat plug, max. total current consumption for all three sockets: 16 A, with contacts complying with DIN ISO 4165	0 986 352 807
	Hinged cover	For panel-mounted standard socket, olive green	1 350 500 012
	Hinged cover	For panel-mounted standard socket, black (Lupolen)	1 350 500 001



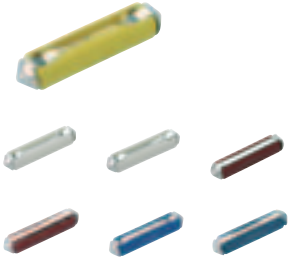




Figure	Designation	Description	Part number
Universal plugs for standard socket and cigar lighter socket			
	Standard plug	For standard socket, 10 A at 6–24 V, black housing, straight, 2 screw terminals	0 986 352 000
	Standard plug	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, straight, 2 screw terminals, with adapter	0 986 352 015 0 986 352 810 <input type="checkbox"/>
	Standard plug	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, straight, 2 screw terminals, with adapter, fuse predection up to 8 A with ceramic or glass fuse	0 986 352 016 0 986 352 811 <input type="checkbox"/>
	Standard plug	as 0 986 352 811, with green LED function display	0 986 352 812 <input type="checkbox"/>
	Universal plug	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, offset, 2 screw terminals with adapter, Sfuse predection up to 7.5 A, with green LED function display, Lockable adapter	0 986 352 809 <input type="checkbox"/>
	Universal plug	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, offset, 2 screw terminals, with adapter, fuse predection up to 8 A, the front and rear of the plug housing can be redated with respect to each other while at the same time pivoting trough 0–70°	0 986 352 818 <input type="checkbox"/>
Extension cable for standard socket and cigar lighter socket			
	Extension cable	8 A at 12–24 V, flat cable (2x0.75 mm ²), with safety universal plug (fuse 8 A integrated) and break resistant connection for standard plugs to ISO 4165, lenght 4 m	0 986 352 825 <input type="checkbox"/>
	Extension cable	8 A at 12–24 V, spiral cable (2x0.75 mm ²) with safety universal plug (fuse 8 A integrated) and connection (inner Ø 21 mm), lenght 0.6 to 3.0 m	0 986 352 826 <input type="checkbox"/>

Plugs, sockets (continued)

Figure	Designation	Description	Part number
Socket outlet and plug, 2-pole (DIN/ISO 14690)			
	Integral socket, 2-pole	16 A at 6–42 V, housing made of aluminum, captive screw cover with gasket, screw terminals for cable lug M3, 3 holes, Ø 5.5 mm, hole circle Ø 49 mm	0 352 220 001
	Plug	16 A at 6–42 V, Housing made of aluminum, including captive union nut, strain relief and predictive cable sleeve for cable Ø 6–12 mm, screw terminals for wire end ferrules up to Ø 3 mm, with prediction cap	0 352 320 001
	Socket, 2-pole	16 A at 6–42V, Housing made of aluminum, captive screwed-on cover with gasket, strain-relief and predictive cable sleeve for cable Ø 6–12 mm, screw terminals for wire end ferrules up to Ø 3 mm, fastening: 3 holes, Ø 5.5 mm, hole circle Ø 49 mm	0 352 220 003
Special accessories			
	Adapter cable	8 A to 12–24 V, standard plug according to ISO 4165 and connection (inner Ø 21 mm), length: 0.25 m	0 986 352 824 □
	Adapter for universal plug	To adapt universal plugs to cigar lighter socket	1 987 352 126 □
	AC mains socket	With screw thread, for operation of additional equipment in cars, boats and caravans, 20 A load capacity with cable cross-section 2.5 mm ² , 2,15 A load capacity with cable cross-section 1.5 mm ² , internal diameter: 22 mm, installation aperture: 27.8 mm	0 986 352 130 □
	Coupling	For setting up individual extensions to supply power to electrical equipment and lights, max. 16 A /12–24 V, with contacts complying with DIN ISO 4165	0 986 352 128 □
	Battery monitor	Protects the battery against total discharge by disconnecting loads in good time, e.g. cool boxes, seat heating, fans and other mobile 12V devices. Automatic reconnection when normal voltage conditions are restored. Suitable for cigarette lighter and standard sockets, with LED function indicator and short circuit protection, 1 m cable with coupling (internal Ø 21 mm), angular design allows adjustment for specific vehicle configuration.	0 986 352 127 □

□ Self-service pack

Car fuses

Figure	Version	Rated current A	Colour	Qty. per bulk pack	Dimensions mm	Part number		
	Torpedo fuses (6 x 25 mm), as per DIN 72581/1	5	yellow	100 ²⁾		1 904 520 015		
		8	white	10		1 904 520 914 □		
				100 ²⁾		1 904 520 016		
		16	red	100 ²⁾		1 904 520 018		
				10		1 904 520 918 □		
		25	blue	100 ²⁾		1 904 520 017		
				10		1 904 520 917 □		
			Assortment (2 pieces each)	2	clear	10		1 904 529 002 □
		5		yellow				
		8		white				
16	red							
	Fuse strips for diesel vehicles as per DIN 72581/2	25	grey	5		1 351 017 010		
		30	grey	50		1 191 017 004		
		50	grey	25		1 191 017 005		
		80	grey	50		1 191 017 003		
		100	grey	10		1 191 017 006		
		125	grey	5		1 191 017 007		
		150	grey	10		1 199 999 018		
		250	grey	10		1 199 999 019		
	Glas fuses	2	clear	25	5 x 20	1 904 521 441		
		3,15	clear	25	5 x 20	1 987 529 011		
		5	clear	25	6,35 x 32	1 987 529 901		
		6,3	clear	25	6,35 x 32	1 904 522 750		
		10	clear	25	6,35 x 32	1 987 529 902		
		15	clear	25	6,35 x 32	1 987 529 903		
		20	clear	25	6,35 x 32	1 987 529 904		
		25	clear	25	6,35 x 32	1 987 529 905		
	Screw locking element Midi (small) , as per ISO 8820-5 For BMW, VAG, FORD, Daimler, Renault, Chrysler, Hyundai, KIA, Porsche High current fuse for agricultural machinery manufacturers etc. Screw in fuse with 32 V rated voltage for protection of high current wiring. Transparent cover for easy identification of blown fuses. Fuses are installed between the battery and the starter or alternator, for example.	30	orange	25		1 987 531 018		
		40	green	25		1 987 531 017		
		50	red	25		1 987 531 016		
		60	yellow	25		1 987 531 014		
		70	brown	25		1 987 531 013		
		80	white	25		1 987 531 012		
		100	blue	25		1 987 531 011		
		125	pink	25		1 987 531 010		
		200	violet	25		1 987 531 008		
	Screw locking element Mega , as per ISO 8820-5 For BMW, VAG, FORD, Daimler, Renault, Chrysler, Hyundai, KIA, Porsche Screw in fuses with 32 V rated voltage for protection of high current wiring. Transparent cover for easy identification of blown fuses. Fuses are installed between the battery and the starter or alternator, for example.	100	yellow	10		1 987 531 000		
		125	green	10		1 987 531 001		
		150	orange	10		1 987 531 002		
		175	white	10		1 987 531 003		
		200	blue	10		1 987 531 004		
		225	brown	10		1 987 531 005		
		250	pink	10		1 987 531 006		
		300	grey	10		1 987 531 007		

□ Self-Service pack ²⁾ Transparent plastic box

Car fuses (continued)

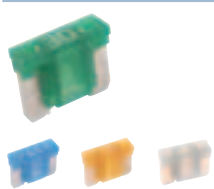

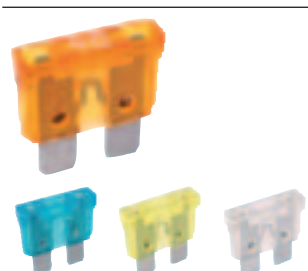




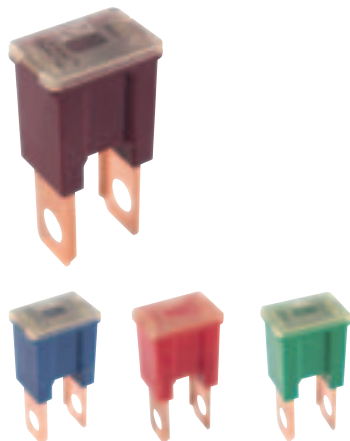

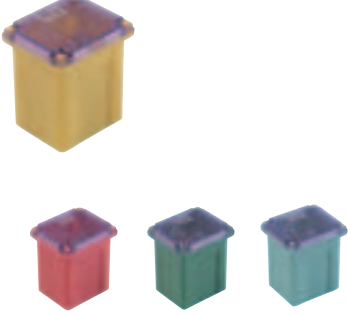
Figure	Version	Rated current A/V	Color	Qty. per bulk pack	Part number
	<p>Fuses Low-Profile Mini Low-profile mini fuses provide similar performance features as standard mini fuses. Designed for open terminals and forked contacts, eliminating the need for additional contact bushing. The low overall height also provides additional weight and material savings. Used in Japanese vehicles.</p>	2/58	grey	10	1 987 529 041
	3/58	violet	10	1 987 529 042	
	4/58	pink	10	1 987 529 043	
	5/58	light brown	10	1 987 529 044	
	7,5/58	brown	10	1 987 529 045	
	10/58	red	10	1 987 529 046	
	15/58	blue	10	1 987 529 047	
	20/58	yellow	10	1 987 529 048	
	25/58	white	10	1 987 529 049	
	30/58	green	10	1 987 529 077	
		<p>Mini flat connection fuses, as per DIN 72581-3, ISO 8820-2 Rapidly becoming the new standard for circuit protection in vehicles. Their compact size enables more circuits to be protected with less space required. Transparent housing for easy identification of blown fuses. Excellent reliability</p>	2	grey	50
3		violet	50	1 987 529 026	
4		pink	50	1 987 529 027	
5		beige	50	1 987 529 028	
7,5		brown	50	1 987 529 029	
10		red	50	1 987 529 030	
15		blue	50	1 987 529 031	
20		yellow	50	1 987 529 032	
25		neutral	50	1 987 529 033	
30		green	50	1 987 529 034	
	<p>Standard flat connection fuses, as per DIN 72581-3, ISO 8820-2 These fuses have become the standard circuit protection for domestic and international passenger cars and trucks. They are easy to identify and replace and can be specified for a wide range of applications in the low voltage range.</p>	3	violet	100	1 904 529 901
	4	pink	100	1 904 529 902	
	5	beige	100	1 904 529 903	
	7,5	brown	100	1 904 529 904	
	10	red	100	1 904 529 905	
	15	blue	100	1 904 529 906	
	20	yellow	100	1 904 529 907	
	25	neutral	100	1 904 529 908	
	30	green	100	1 904 529 909	
	40	orange	100	1 987 529 036	
	<p>Flat connection fuses, as per DIN 72581-3, ISO 8820-2 Standard fuse in maxi design. Transparent housing for easy identification of blown fuses.</p>	20	yellow	5	1 987 529 018
	30	green	5	1 987 529 019	
	40	orange	5	1 987 529 020	
	50	red	5	1 987 529 021	
	60	blue	5	1 987 529 022	
	70	brown	5	1 987 529 023	
	80	white	5	1 987 529 039	
	100	violet	5	1 987 529 040	
	<p>Puller for blade-type fuse links</p>			5	1 987 531 026



Figure	Version	Rated current A/V	Color	Qty. per bulk pack	Part number
 <div style="text-align: right; margin-top: 10px;">New</div>	Blister (Mini)	1x5		10	1 987 529 038
	Blister (Norm)	1x7,5		10	1 987 529 037
	Blister (Low profile)	1x25		10	1 987 529 078
		1x30			
		2x10			
		2x15			
		2x20			
	AS series male fuses	20/32	blue	5	1 987 529 062
	Delay fuses with highly temperature resistant housing.	30/32	pink	5	1 987 529 063
	Used in Japanese, European, American, and Korean vehicles.	40/32	green	5	1 987 529 064
		50/32	red	5	1 987 529 065
		60/32	yellow	5	1 987 529 066
	B series male fuses	30/32	pink	5	1 987 529 068
	Delay fuses with highly temperature resistant housing.	40/32	green	5	1 987 529 069
	Used in Japanese, European, American, and Korean vehicles.	50/32	red	5	1 987 529 070
		60/32	yellow	5	1 987 529 071
		70/32	brown	5	1 987 529 072
		80/32	black	5	1 987 529 073
		100/32	blue	5	1 987 529 074
		120/32	white	5	1 987 529 075
		140/32	dark-red	5	1 987 529 076

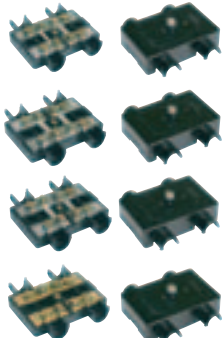

Car fuses (continued)

Figure	Version	Rated current A/V	Color	Qty. per bulk pack	Part number
	<p>J series fuses With longer time delay, lower voltage drop and better resistance to make currents, they are particularly well suited for circuits with high currents. Used in Japanese, European, American, and Korean vehicles.</p>	20/32	light blue	5	1 987 529 056
		25/32	white	5	1 987 529 057
		30/32	pink	5	1 987 529 058
		40/32	green	5	1 987 529 059
		50/32	red	5	1 987 529 060
		60/32	yellow	5	1 987 529 061
	<p>Low profile J series fuses Low profile fuses offer similar performance features to the standard J fuses. The low total height allows the use of shorter blade terminals and saves on space and weight. Used in Japanese, European, American, and Korean vehicles.</p>	20/58	light blue	5	1 987 529 050
		25/58	white	5	1 987 529 051
		30/58	pink	5	1 987 529 052
		40/58	green	5	1 987 529 053
		50/58	red	5	1 987 529 054
		60/58	yellow	5	1 987 529 055

Setbox
Flat connection fuses (251 pcs.), as per DIN 72581-3

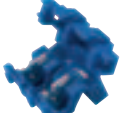
	Description	Nominal voltage A	Qty.	Part number
	Mini flat connection fuses,	3	5	1 987 529 079
		5	15	
		7,5	15	
		10	30	
		15	30	
		20	30	
		25	15	
	Standard flat connection fuses,	30	15	
		3	5	
		5	10	
		7,5	10	
		10	15	
		15	15	
		20	15	
	Maxi flat connection fuses,	25	10	
		30	10	
		30	2	
		40	2	
		50	1	
		60	1	

Fuse holder and accessories

Figure	Description	Connection	Rated current	Included fuses Part number	Part number
	Double, for cylindrical fuses Fastening: 2 holes, Ø 5.3 mm, hole spacing 55 mm.	Screw terminal	1 x 25 A	1 351 017 010	0 354 120 003
			1 x 50 A	1 191 017 005	
			2 x 50 A	1 191 017 005	0 354 120 004
			2 x 80 A	1 191 017 003	0 354 120 005
					0 354 120 006
				0 354 120 007	
	For 3 flat fuses. Fastening: 2 holes, Ø 6.4 mm, hole spacing 112 mm.	Screw terminal	1 x 50 A	1 191 017 005	0 354 130 003
			1 x 80 A	1 191 017 003	
			1 x 100 A	1 191 017 006	




Spare cover for fuse boxes

Part number Fuse box	Part number Cover
0 354 120 003	1 350 516 003
0 354 120 004	1 350 516 003
0 354 120 005	1 350 516 003
0 354 130 003	1 350 516 000

Figure	Description	Conductor cross section mm ²	Color	Material / finish*)	Qty. per pack	Part number
	Fuse holder for connection fuses	0,5–1,5	blue	CuZn/brass / bright	6	8 781 324 028

*) CuZn = brass

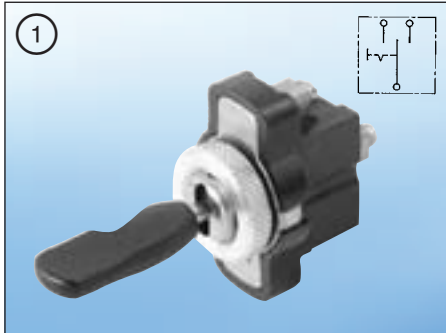
Battery cable terminals with zinc plated surface for securely fastening the starter cables to the starter battery

Figure	Conductor cross section mm ²	Pole	Part number
① 	16.0–70.0	+	1 901 315 100¹⁾
		-	1 901 315 102¹⁾
		- +	1 901 315 120¹⁾
② 	16.0–70.0	+	1 901 315 104¹⁾
		-	1 901 315 105¹⁾
		- +	1 901 315 125¹⁾
③ 	70.0–120.0	+	1 901 315 101¹⁾
		-	1 901 315 103¹⁾

1) DIN 72 331

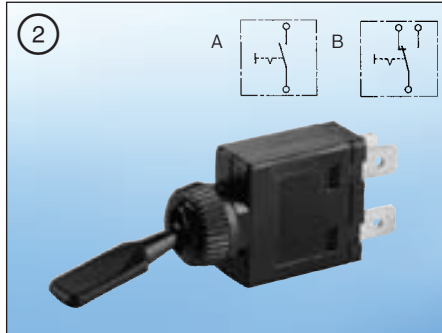
Universal switches

For wipers, signal equipment, fog lamps, power-window drives, etc.

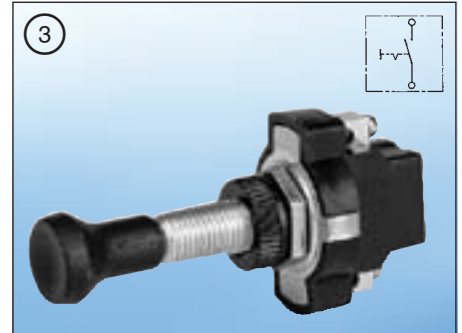


1 **Lever switch**
Change-over switch (two-way contact with neutral position)
 Switching capacity: 48 W/24 V.
 Fastening: with knurled nut M 12 x 1.
 Fitting: Ø 12.5 mm. For wall thicknesses up to 3 mm.
 Connection: screw terminals.

0 986 340 100

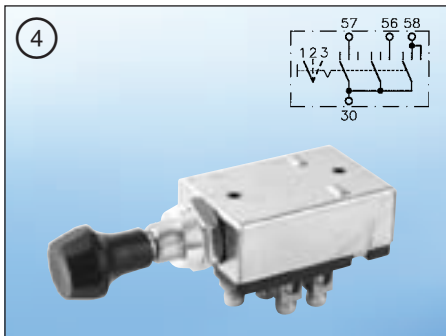


2 **Lever switch**
On-off switch (NO contact)
 Switching capacity: 75 W/24 V.
 Fastening: with round nut M 12 x 1.
 Fitting: Ø 12 mm. For wall thicknesses up to 6 mm. Connection: blade terminals.
 Diagram A **0 341 500 801**
 as ..801, but
change-over switch (change-over contact)
 Diagram B **0 341 500 803**



3 **Push-pull switch**
On-off switch (NO contact)
 Knob, black.
 Switching capacity: 60 W/24 V.
 Fastening: with knurled nut M 8 x 0.75.
 Fitting: Ø 8.5 mm. For wall thicknesses up to 5 mm.
 Connection: screw terminals.

0 986 340 001

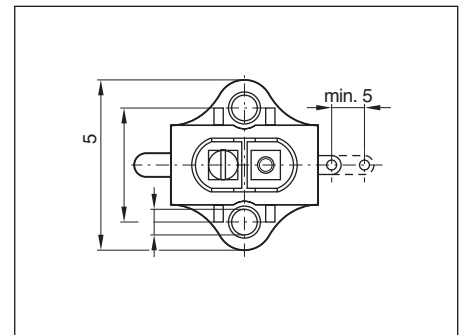
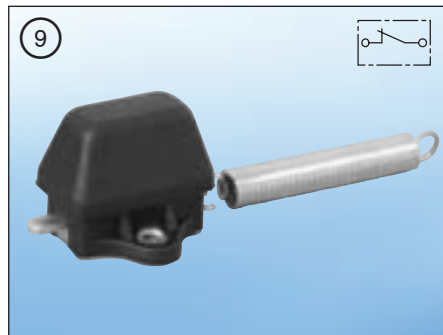
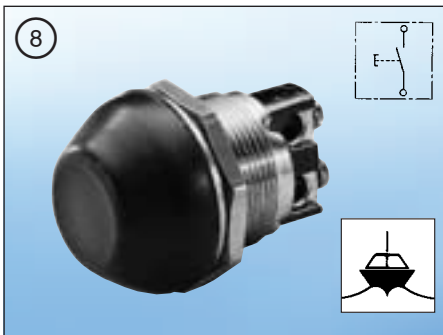
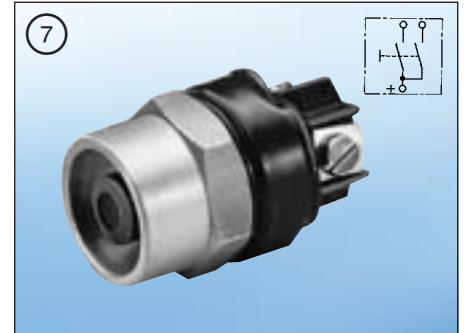
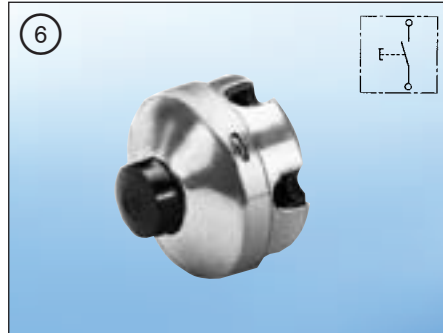
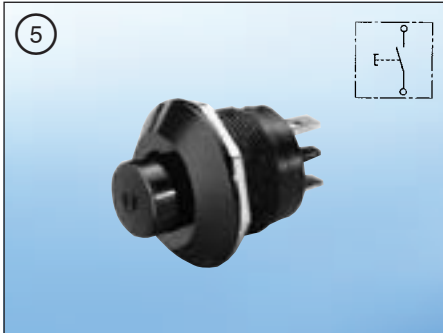


4 **Push-pull switch**
multi-position switch
 Switching capacity: 100 W 24 V.
 Switch positions: 1 Off, 2 Blower stage I, 3 Blower Stage II.
 Fastening: with round nut M 10 x 1.
 Fitting: Ø 10.5 mm. For wall thicknesses up to 2 mm.
 Connection: screw terminals.

0 986 340 120

Degrees of protection (complies with IEC 60529 and DIN 40050, page 9)

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 40	with tools etc. thickness Ø > 1 mm	Ø > 1 mm	no protection
IP 54	complete	dust-protected	Splashwater, from all directions
IP 64	complete	dust-protected	Splashwater, from all directions



5 Momentary push-button NO contact

Switching capacity: 30 A/6 V, 20 A/12 V, 15 A/24 V. (On-time 10 s each)

Fastening: with octagon nut.

Fitting: \varnothing 22.5 mm. For wall thicknesses up to 6 mm.

Connection: screw terminals.

0 343 003 001

as ..001, but

Connection: blade terminals.

0 343 003 004

as ..001, but

Connection: blade terminals. Push-button and cover grey.

0 343 003 007

as ..001, but

Connection: blade terminals. Push-button ivory colored, polished aluminum.

0 343 003 005

6 Momentary push-button NO contact

Push-button black, housing polished aluminum.

Switching capacity: 15 A/12 V, 7.5 A/24 V. (On-time 10 s each)

Fastening: 2 holes with \varnothing 3.7 mm.

Hole spacing 17 mm, external \varnothing 26 mm.

Connection: 1 screw terminal.

0 343 007 001

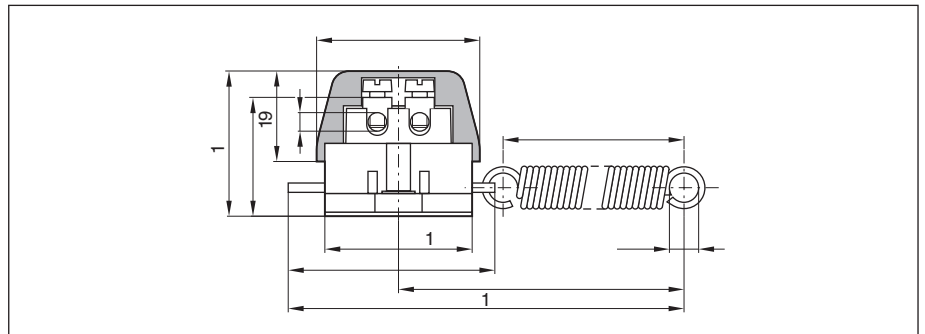
as ..007 001, but

Fastening: 2 holes with \varnothing 4.2 mm.

Hole spacing 23 mm, external \varnothing 35 mm.

Connection: 2 screw terminals.

0 343 013 001



7 Momentary push-button NO contacts with two makes

Push-button black, surface green. Hexagon aluminum nut with protective rim to prevent undesired actuation.

Degree of protection: housing IP 40, contact chamber IP 64.

Switching capacity:

Terminal 1: 26 A/6 V, 25 A/12 V, 20 A/24 V (On-time 2 min each)

or 100 A/6 V, 50 A/12 V, 50 A/24 V (On-time 1 s each).

Terminal 2: 20 A/24 V (Resistive load)

Terminal 3: (+) lead

Fastening: with hexagon nut.

Fitting: \varnothing 22.5 mm. For wall thicknesses up to 3 mm.

Connection: screw terminals.

0 343 004 003

8 Momentary push-button NO contact

Protective rubber cap on knob side: Metal parts made of brass. Seawater-resistant. Degree of protection IP 54.

Switching capacity:

400 W/24 V (on-time 1 s).

250 W/24 V (on-time 2 min).

Fastening: with hexagon nut.

Fitting: \varnothing 22.5 mm. For wall thicknesses up to 9 mm.

Connection: screw terminals.

0 340 000 001

9 Mechanical brake-light switch - Push-pull switch

Switched-on in neutral position,

2 screw-type M 4 terminals,

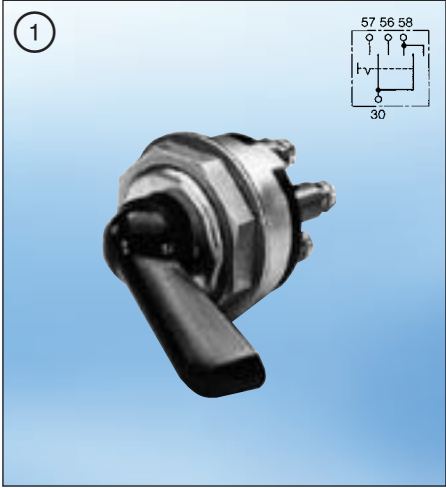
permissible loading: 7 A/12 V

4 x 21 W/12 V

permissible ambient temperature: $-40...+120^{\circ}\text{C}$

0 986 340 010

Light switches



1 Rotary switch. Two-way contact with neutral position
 For side-marker lamps and upper/lower beam. With black switch lever.
 Switching capacity: 10 W/12 V (terminal 57) 90 W/12 V (terminals 56, 58).
 Fastening: with octagon nut M 26 x 1.
 Fitting: Ø 26.5 mm. For wall thicknesses up to 2 mm.
 Connection: screw terminals.

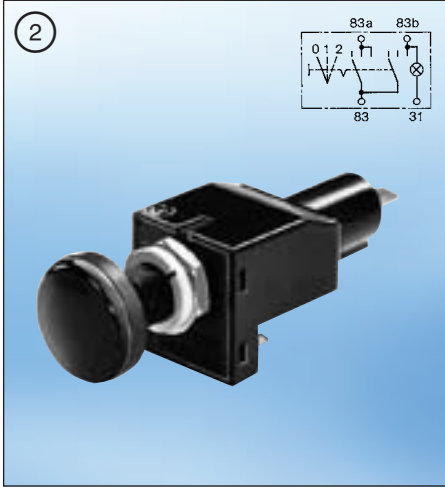
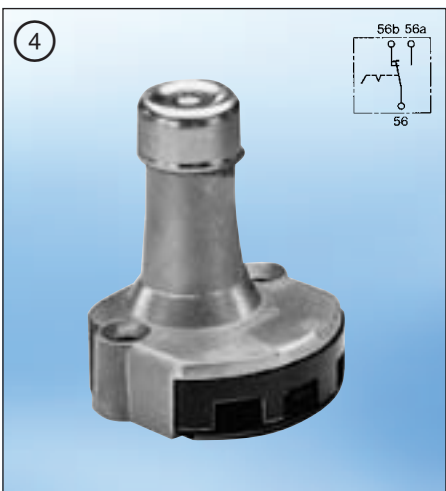
0 341 100 001

Spare parts

Fastening nut	1 343 300 002
Washer	3 340 102 000

4 Foot-operated switch Change-over contact, with detent
 For upper and lower beam. Switches with-out break. Corrosion-protected finish.
 Switching capacity: 120 W/24 V. For cables up to 4 mm² with or without cable lug.
 Fastening: from above with 2 oval-head screws, hole Ø 5.3 mm, with hole spacing 38 mm.
 Connection: screw terminals.

0 340 603 001



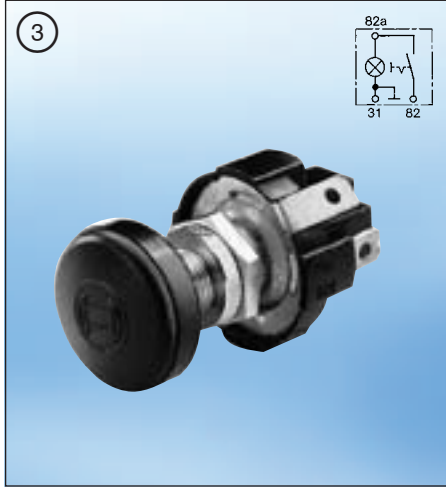
2 Push-pull switch Multi-position switch
 For fog lamps and fog warning lamps. With indicator lamp and green lens (yellow lens enclosed).
 Switching capacity: 140 W/24 V (terminal 83a), 35 W/24 V (terminal 83b).
 Switch positions: 0 Off, 1 Fog lamp, 2 Fog lamp and tail lamp.
 Fastening: with round nut M 14 x 1.5.
 Fitting: Ø 14.5 mm. For wall thicknesses up to 6.5 mm (up to 10.5 mm without lock nut).
 Connection: blade terminals.

Bulb connection: screw terminals.
 Order bulb separately.

0 340 006 004

Bulb (shape J)

12 V 2.0 W	1 987 302 224
24 V 3.0 W	1 987 302 519

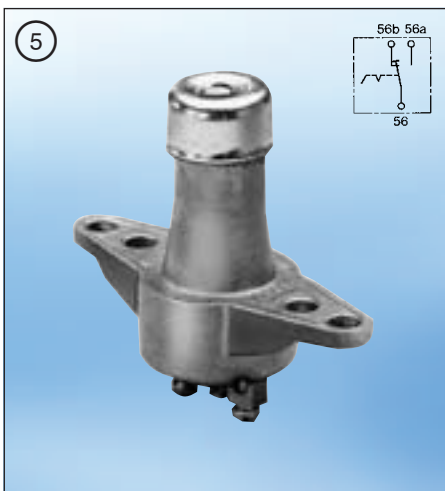


3 Push-pull switch On-off switch (NO contact)
 For fog warning lamp. With safety knob, black, made of soft PVC, and indicator lamp. Green lens fitted, red and yellow lenses enclosed.
 Switching capacity: 100 W/24 V.
 Fastening: with knurled nut M 12 x 1.
 Fitting: Ø 12.5 mm. For wall thicknesses up to 6 mm.
 Connection: blade or screw terminals.
 12 V bulb fitted.

0 340 006 012

Bulb (shape W)

12 V 1.2 W	1 987 302 208
24 V 1.2 W	1 987 302 504



5 Foot-operated switch Change-over contact, with detent
 For upper and lower beam. Switches with-out break. Corrosion-protected finish.
 Switching capacity: 120 W/24 V. For cables up to 6 mm² without cable lug.
 Fastening: from below with 4 screws, hole Ø 6.4 mm, with hole spacing 44.5 and 67 mm.
 Fitting: Ø 23 mm.
 Connection: screw terminals, accessible from below.

0 340 604 001

Hazard-warning switches, alarm switch, backup lamp switches, door-contact switch



Hazard-warning switches

1 Push-button switch for electronic hazard-warning flashers
 With indicator lamp and 12 V bulb included.
 Symbol for hazard-warning (double triangle) on push-button.
 Switching capacity: 6 x 21 W + 1.2 W/24 V.
 Fastening: with knurled nut, fitting Ø 30.5 mm. For wall thicknesses up to 15 mm.
 Connection: blade terminals.

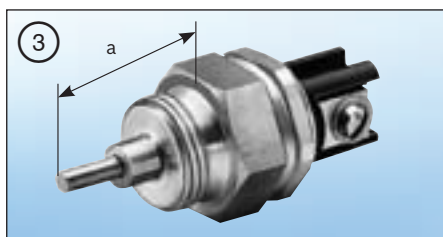
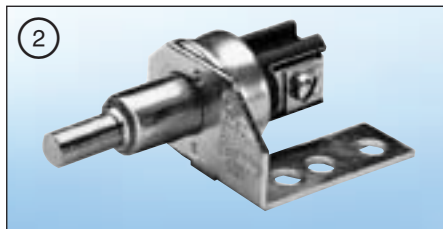
0 340 302 008

Accessories (order separately)

Protective cap for push-button (transparent) **3 340 522 004**
 Plug housing **3 344 485 001**

Bulb (shape W)

12 V 1.2 W **1 987 302 208**
 24 V 1.2 W **1 987 302 504**



Backup lamp switches

2 Plunger switch/NO contact
 For attachment to gearshift linkage.
 For switching on the backup lamp when reverse gear is engaged.
 Contact travel: approx. 10 mm
 Switching capacity: 60 W/24 V.
 Fastening: 3 holes, Ø 5.3 mm, hole-spacing 20 mm and 12 mm.
 Connection: screw terminals.

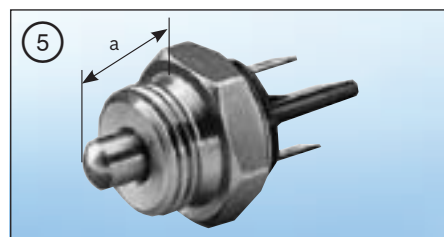
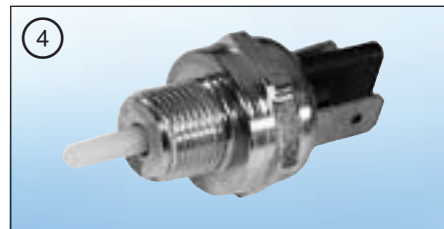
0 343 101 003

3 Plunger switch/NO contact
 For screwing into gearbox cover.
 Contact travel approx. 6 mm. For switching on the backup lamp when reverse gear is engaged.
 Switching capacity: 60 W/24 V.
 Fastening: screw thread M 18 x 1.5.
 Connection: screw terminals
 a = 24 mm **0 343 102 015**

as above, but blade terminal connection

a = 21 mm **0 343 102 024**

Accessories (order separately)
 Protective cap **3 340 522 001**



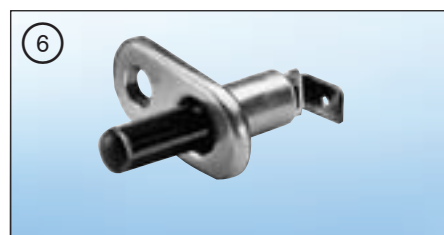
4 Plunger switch/NO contact
 For screwing into gearbox cover.
 Contact travel approx. 2.2 mm. For switching on the backup lamp when reverse gear is engaged.
 Switching capacity: 5 W/12 V.
 Fastening: screw thread M 12 x 1.
 Connection: 2 blade terminals.

0 343 102 008

as ..008, but
 Connection: 1 blade terminal, ground return through switch housing.

0 343 102 010

5 Plunger switch/NO contact
 For screwing into gearbox cover.
 Contact travel approx. 1 mm. For switching on the backup lamp when reverse gear is engaged.
 Switching capacity: 60 W/12 V.
 Fastening: screw thread M 18 x 1.5.
 Connection: blade terminal.
 a = 15 mm **0 343 102 011**



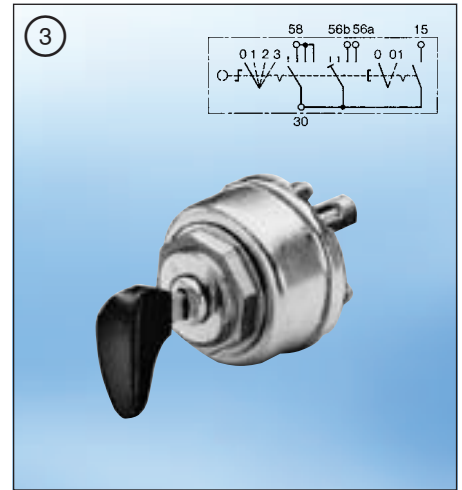
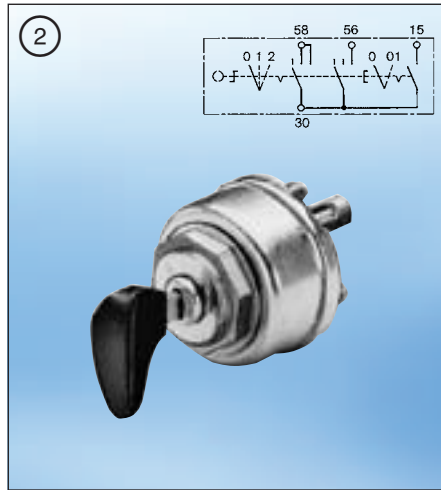
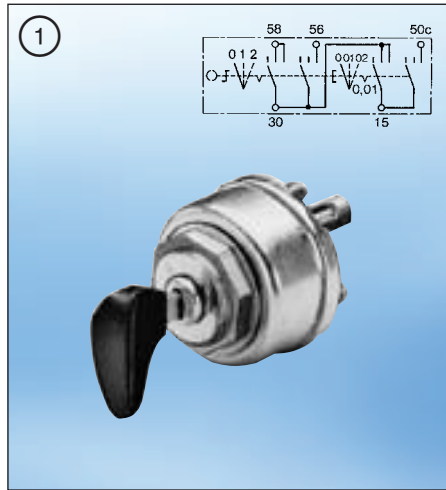
Door-contact switch

6 Plunger switch NC contact
 For switching interior lighting on and off.
 Switching capacity: 12 W/24 V.
 Fastening: screw Ø 4 mm.
 Connection: 1-pole blade terminal.

0 343 107 002

Headlamp-ignition switches

Up to 24 V. For motor vehicles with spark-ignition or diesel engines (driving switch)



1 Key-operated switch up to 24 V, housing Ø 48 mm

Key can be removed in any position.
 Design: Housing and U-disk galvanized.
 Switching capacity: 100 A/24 V, 2 min (terminal 15).
 Fastening: polished aluminum octagon nut M 26 x 1.
 Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof).
 For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket. Colour black.
 Additional function: On/off switching of battery relay.
 Switching capacity: 20 W (terminal 50 c), 100 W (terminal 56), 180 W (terminal 58), 250 W (terminal 15).

Switch positions: 0 Off / 01 Daytime loads / 02 Battery relay energized / 1 Side-marker lamp / 2 Headlamps.

Terminals connected:

	key inserted	key removed
0	-	-
01	30-15	-
02	30-15-50c	-
1	30-15, 30-58	30-58
2	30-15, 30-56-58	30-56-58

Connection: screw terminals.

with 1 key **0 342 307 001**

as ..307 001, but

Design: Housing, octagon nut and U-disk black.

with 1 key **0 342 307 002**

Substitute key

3 341 982 101

2 Key-operated switch up to 24 V, housing Ø 48 mm

Key can be removed in any position.
 Switching capacity: 100 A/24 V, 2 min (terminal 15).
 Fastening: polished aluminum octagon nut M 26 x 1.
 Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof). For wall thicknesses up to 2 mm.

Zinc-plated steel key. Key grip in black plastic jacket.
 Switching capacity: 250 W (terminal 15), 150 W (terminal 56), 200 W (terminal 58).
 Switch positions: 0 Off / 01 Daytime loads / 1 Side-marker lamp / 2 Headlamps.

Terminals connected:

	key inserted	key removed
0	-	-
01	30-15	-
02	30-15-58	30-58
2	30-15-56-58	30-56-58 ¹⁾

Connection: screw terminals 15, 30; blade terminals 30, 56, 58.

with 1 key **0 342 106 012**

as ..106 012, but nickel-plated key:

50 W (terminal 15), 100 W (terminal 56), 200 W (terminal 58).

Connection: screw terminals

with 1 key **0 342 106 004**

as ..106 012, but nickel-plated key:

Switching capacity: 50 W (terminal 15), 100 W (terminal 56), 200 W (terminal 58).
 Connection: screw terminals 30, 56, 58: M 4. 15, 30: M 6.

Terminals protected against contact.

For cables up to 16 mm².

with 1 key **0 342 106 005**

3 Key-operated switch up to 24 V, housing Ø 48 mm

Key can be removed in any position.
 Switching capacity: 100 A/24 V, 2 min (terminal 15).
 Fastening: polished aluminum octagon nut M 26 x 1.
 Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof). For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in black plastic jacket.

Switching capacity: 250 W (terminal 15), 100 W (terminal 56a, 56b), 150 W (terminal 58).

Switch positions: 0 Off / 01 Daytime loads / 1 Side-marker lamp / 2 Low beam / 3 High beam.

Terminals connected:

	key inserted	key removed
0	-	-
01	30-15	-
1	30-15-58	30-58
2	30-15-56b-58	30-56b-58 ²⁾
3	30-15-56a-58	30-56a-58 ²⁾

Connection: screw terminals 15, 30;

blade terminal 30, 56a, 56b, 58.

with 1 key **0 342 201 010**

as ..201 010, but nickel-plated key.

Key grip in plastic jacket. Colour black.

Switching capacity: 100 W (terminals 56a, 56b), 150 W (terminal 58), 250 W (terminal 15).

with 1 key **0 342 201 009**

Spare parts

Switch key	3 341 982 101
Octagon nut	1 343 300 002
Washer	3 340 102 000

Spare parts

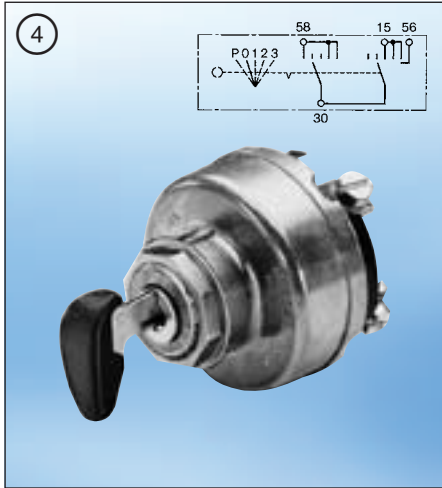
Switch key for 0 342 106 004, ..005

3 341 981 010

¹⁾ only on 0 342 106 012

²⁾ only on 0 342 201 009

Ignition switches



4 Key-operated switch up to 24 V, housing Ø 62 mm

Key can be removed only in position 0 or P.
Switching capacity: 100 A/24 V, 2 min (terminal 15).

Fastening: polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof).

For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket. Colour black.

Lock No. E 30.

Switching capacity: 100 W (terminals 56, 58), 150 W (terminal 15).

Switch positions: P Parking lamps / 0 Off / 1 Daytime loads / 2 Side-marker lamp / 3 Headlamps.

Terminals connected:

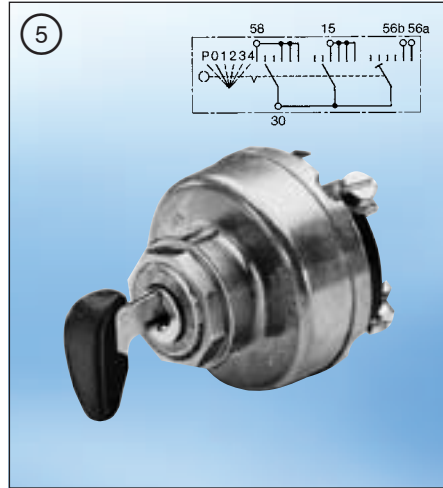
	key inserted	key removed
P	30-58	30-58
0	-	-
1	30-15	-
2	30-15-58	-
3	30-15-56-58	-

Connection: screw terminals 15, 30, 58; blade terminals 15, 30, 56

with 2 keys **0 342 202 001**

as ..202 001, but key with grip in plastic jacket. Lock No. U 39.

with 2 keys **0 342 202 002**



5 Key-operated switch up to 24 V, housing Ø 62 mm

Key can be removed only in position 0 or P.
Switching capacity: 100 A/24 V, 2 min (terminal 15).

Fastening: polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof).

For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket. Colour black. Lock No. K 30.

Switching capacity: 100 W (terminals 56a, 56b, 58), 150 W (terminal 15).

Switch positions: P Parking lamps / 0 Off / 1 Daytime loads / 2 Side-marker lamp / 3 Headlamps / 4 High beam.

Terminals connected:

	key inserted	key removed
P	30 - 58	30 - 58
0	-	-
1	30-15	-
2	30-15-58	-
3	30-15-56b-58	-
4	30-15-56a-58	-

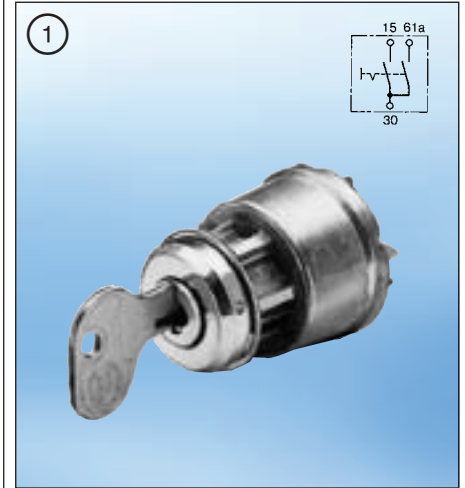
Connection: screw terminals 15, 30, 58; blade terminals 15, 30, 56a, 56b.

with 2 keys **0 342 203 001**

Spare parts

Switch key E 30	3 341 980 279
Switch key U 39	3 341 980 338
Octagon nut	1 343 300 002

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)



1 Key-operated switch up to 24 V, with safety lock.

Key can be removed only in "off" position. Lock No. E 1 ... E 50.

Switching capacity: 20 A/24 V.

60 W (terminal 15), 5 W (terminal 61a).

Fastening: with unpolished aluminum round nut M 22 x 1.

Fitting: Ø 22.5 mm, with cutout (twist-proof)

For wall thicknesses up to 3 mm.

Connection: blade terminals.

with 2 keys **0 342 006 001**

as ..006 001, but with polished round nut.

with 2 keys **0 342 006 004**

as ..006 001, but with polished round nut, lock No. E 30.

with 3 keys **0 342 006 003**

as ..006 001, but key with grip in plastic jacket, lock No. K 3.

with 2 keys **0 342 006 007**

as ..006 001, but lock No. E 41.

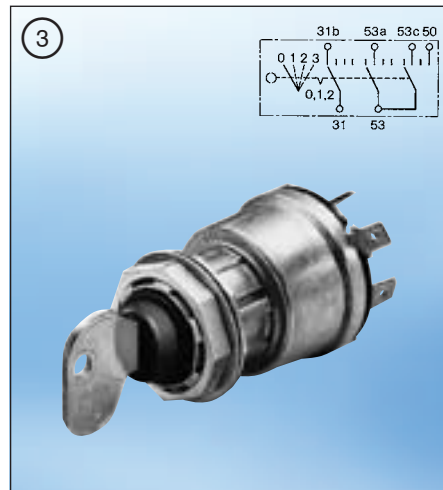
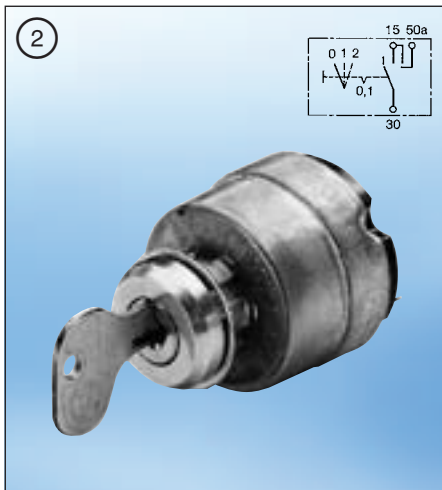
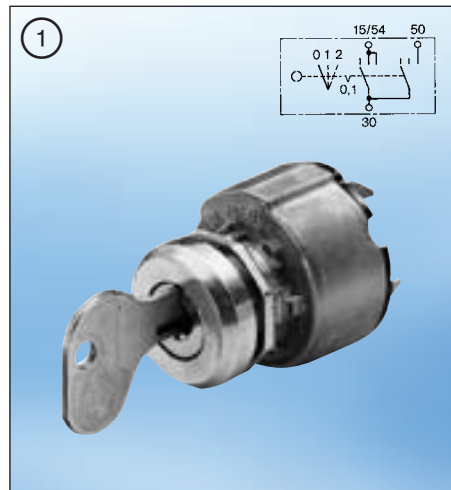
with 2 keys **0 342 006 009**

Spare parts

Washer **1 330 140 000**

Ignition and starting switches

Up to 24 V



1 Key-operated starting switch with start-repeating block
 Key can be removed only in "off" position. Nickel-plated key.
 Key lock No. E 1...E 50.
 Switching capacity: 90 W (terminals 15, 54), 12 A/12 V (terminal 50), 9 A/24 V (terminal 50).
 Fastening: octagon and round nut M 22 x 1.
 Fitting: Ø 22.5 mm (twist-proof). For wall thicknesses up to 9 mm.
 Switch positions: 0 Off, 1 On, 2 Start.
 Connection: blade terminals.
 with 2 keys **0 342 311 003**

as ..311 003, but lock No. K 11.
 with 2 keys **0 342 311 004**

as ..311 003, but lock No. E 11.
 without key **0 342 311 006**

2 Key-operated starting switch without start-repeating block
 Key can be removed only in "off" position. Key with grip in plastic jacket.
 Key lock E 80.
 Switching capacity: 150 W (terminal 15), 16 A/12 V (terminal 50a), 8 A/24 V (terminal 50a).
 Fastening: octagon and round nut M 22 x 1.
 For wall thicknesses up to 6 mm.
 Fitting: Ø 22.5 mm (twist-proof).
 Switch positions: 0 Off, 1 On, 2 Start.
 Connection: blade terminals.
 with 2 keys **0 342 309 008**

Spare parts
 Switch key E 80 **3 341 980 379**
 Washer **1 330 140 000**

3 Key-operated light/starting switch without start-repeating block
 Key can be removed only in "off" position. Nickel-plated key. Key lock No. E 1...E 50.
 Switching capacity: 80 W (terminals 53, 53c) 16 A/12 V (terminal 50), 8 A/24 V (terminal 50).
 Fastening: two octagon nuts M 26 x 1.
 Fitting: Ø 26.5 mm (twist-proof). For wall thicknesses up to 6 mm.
 Switch positions: 0 Off, 1 Night driving, 2 Daytime driving, 3 Start.
 Connection: blade terminals.
 with 2 keys **0 342 309 007**

Spare parts
 Octagon nut outside **1 343 300 002**
 Washer outside **3 340 102 000**

Spare parts
 Switch key E 11 **3 341 980 260**
 Switch key E 30 **3 341 980 279**
 Switch key K 11 **3 341 982 210**

For all key-operated switches
DIN 40 050
Housing IP 30
Connection IP 00

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)

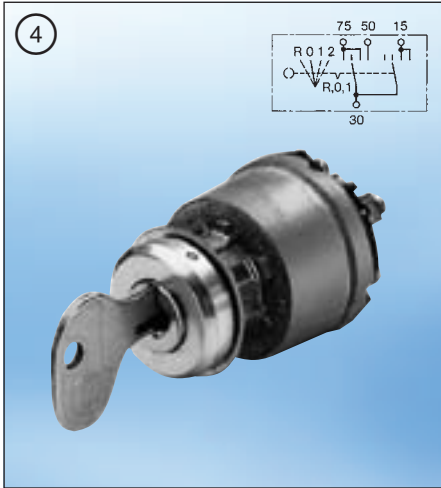


Accessories (order separately)

Hinged cover
 For key-operated switches, protects against dust and moisture.
 Material: Polyamide 6 (cover),
 Fastening: with nut of switch.

for thread M 22 x 1 **3 347 000 032**
 for thread M 26 x 1 **3 347 000 030**

Battery master switches

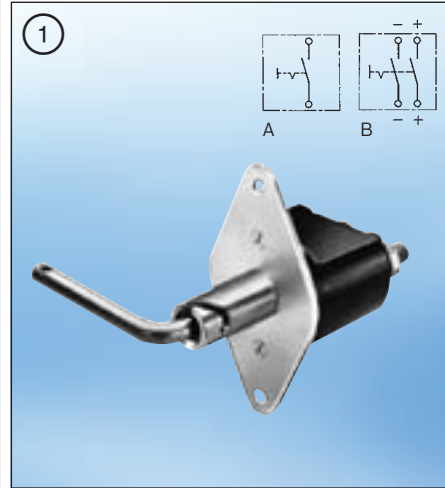


4 Key-operated radio/starting switch without start-repeating block

- Key can be removed only in "off" position.
Nickel-plated key. Key lock No. E 1...E 50.
Switching capacity: 150 W (terminals 15, 75)
9.5 A/12 V (terminal 50),
4.5 A/24 V (terminal 50).
Fastening: octagon and round nut M 22 x 1.
Fitting: Ø 22.5 mm (twist-proof). For wall thicknesses up to 7 mm.
- Switch positions: R Radio / 0 Off / 1 On / 2 Start
Connection: screw terminals.
- with 2 keys **0 342 309 003**
as ..309 003, but lock No. E 30.
- with 2 keys **0 342 309 006**
as ..309 003, key with grip in plastic jacket.
Lock No. U 39.
Connection: blade terminals.
- with 2 keys **0 342 309 009**
- as ..309 003, but key with grip in plastic jacket.
Lock No. K 1...50.
Connection: blade terminals.
- with 2 keys **0 342 309 011**
- as ..309 003, but lock No. K 10
Connection: blade terminals.
- with 2 keys **0 342 309 012**
- as ..309 003, but degree of protection
IP 30. Nickel-plated brass key.
Lock No. M 1...M 4
Connection: blade terminals.
- with 2 keys **0 342 309 005**
- as ..309 005, but lock No. K 30
with 2 keys **0 342 309 010**

Spare parts

Switch key E 30	3 341 980 279
Switch key K 10	3 341 982 209
Switch key K 30	3 341 982 229
Switch key U 39	3 341 980 338
Washer	1 330 140 000

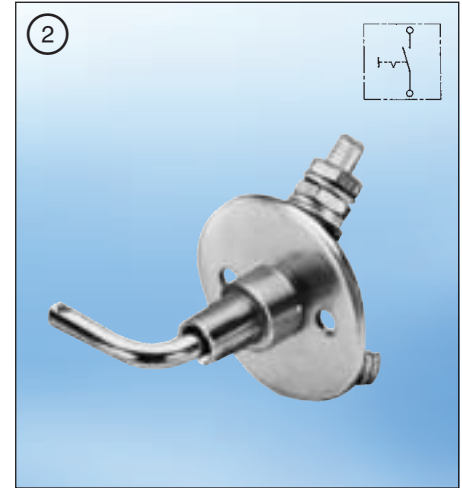


1 Lever switch with switch-on detent

- Lever: removable.
Switching capacity: 250 A/24 V, 2500 A (5 s)
Fitting: Ø 23.5 mm, 2 holes Ø 6.4 mm.
Hole spacing 100 mm. For wall thicknesses up to 25 mm.
Degree of protection: on handle side IP 00,
on housing side IP 54, terminals IP 00.
Connection: threaded terminal for cable lug
1-pole, diagram A **0 341 002 003**
- as ..002 003, but
for two-pole cutoff,
e.g. of combined 12-V and 24-V battery systems.
Fitting: Ø 23.5 mm, 2 holes Ø 8.4 mm.
Hole spacing 120 mm.
2-pole, diagram B **0 341 003 004**

Spare parts

Switch lever	1 342 026 002
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2 Lever switch with switch-on detent

- Galvanized housing. Lever: galvanized and removable.
Switching capacity: 100 A/24 V, 500 A (5 s)
Fitting: Ø 23 mm, 2 holes Ø 6.4 mm.
Hole spacing 38 mm. For wall thicknesses up to 14 mm.
Degree of protection: terminals IP 00,
housing IP 50.
Connection: threaded terminal for cable lug
0 341 001 001

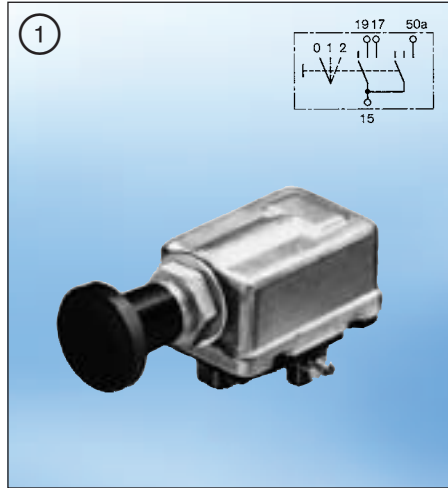
Spare parts

Switch lever	3 342 027 051
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Degrees of protection (complies with IEC 60529 and DIN 40050, page 9)

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 00	No protection	No protection	No protection
IP 30	With tools etc. thickness Ø > 2.5 mm	Ø > 2.5 mm	No protection
IP 50	Complete	Dust-protected	No protection
IP 54	Complete	Dust-protected	Splashwater, from all directions

Glow-plug and starting switches



1 Push-pull starting switch

Galvanized steel housing. With black knob, enclosed loose.
 Switching capacity: 50 A/12 V (term. 17, 19) 27 A/24 V (terminals 17, 19), 12 A/12 V (terminal 50a), 9 A/24 V (terminal 50a).
 Fastening: with hexagon nut M 10 x 1.
 Fitting: Ø 10.5 mm. For wall thicknesses up to 3 mm.
 Switch positions: knob must be held in position 1 (preheating) and 2 (start); returns automatically to position 0 (off).
 Connection: screw terminals.

0 343 008 006

as ..008 006, but without knob.

0 343 008 007

as ..008 006, but
 Connection: blade terminals, without knob

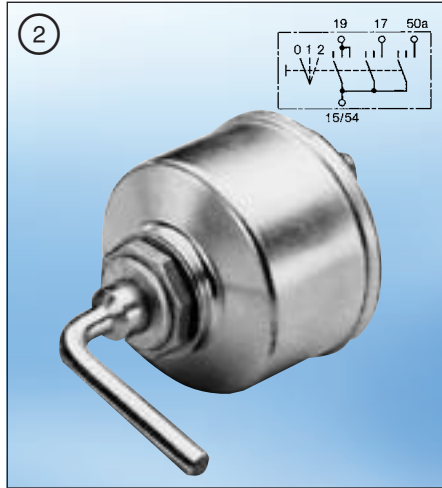
0 343 008 009

as ..008 006, but
 Connection: blade terminals, without knob, without terminal 17.

0 343 008 008

Spare parts

Knob **3 343 231 070**



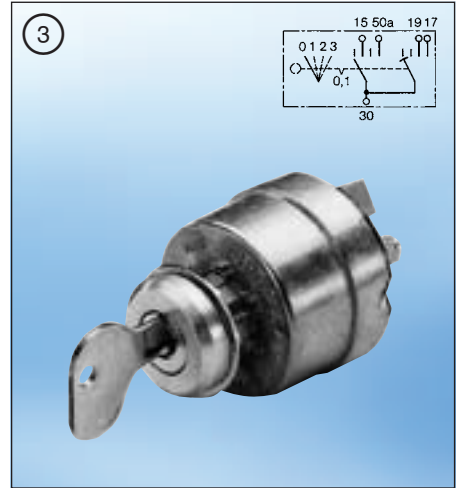
2 Rotary starting switch

Galvanized steel housing and switch lever.
 Switching capacity: 12 A/12 V (terminal 50a) 9 A/24 V (terminal 50a), 100 A/24 V (terminals 17, 19), On-time 2 min.
 Fastening: with pickled aluminum octagon nut.
 Fitting: Ø 26.5 mm, with cutout (twist-proof). For wall thicknesses up to 2 mm.
 Switch positions: switch handle must be held in position 1 (preheating) and 2 (start); it returns automatically to position 0 (off); cannot be removed.
 Connection: screw terminals.

0 343 401 001

Spare parts

Octagon nut **1 343 300 002**
 Washer **3 340 102 000**



3 Key-operated starting switch

with safety lock.
 Key can be removed only in "off" position. Nickel-plated key. Key lock No. E 30.
 Switching capacity: 13 A/24 V continuous duty (terminal 15), 33 A/24 V (terminals 17, 19).
 On-time 2 min.
 150 W/24 V (terminal 15), 18 A/12 V (terminal 50a), 9 A/24 V (terminal 50a).
 Fastening: with octagon nut and unpolished aluminum round nut.
 Fitting: Ø 22.5 mm, with cutout (twist-proof).
 For wall thicknesses up to 6 mm.
 Switch positions: 0 Off / 1 On / 2 Preheating / 3 Start.
 Connection: screw terminals.
 with 2 keys **0 342 315 001**

as ..315 001, but
 nickel-silver key, lock No. N 30.
 with 2 keys **0 342 315 002**

as ..315 001, but
 key with grip in plastic jacket, lock No. U 39
 with 2 keys **0 342 315 004**

Spare keys

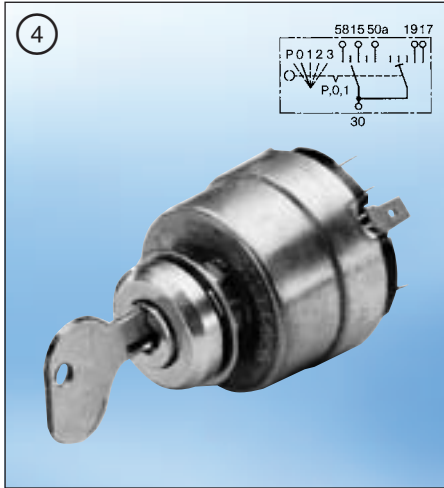
The key formula consists of the key designation (letter) and the key number.
 The key designation informs about the type of key or its type of protection. Keys with the same key number, but with different designation, are interchangeable.

E	key, nickel-plated	
K	key with grip in plastic jacket	
N	nickel-silver	
U	key with grip in plastic jacket	
E 11		3 341 980 260
E 30		3 341 980 279
E 80		3 341 980 379
K 10		3 341 982 209
K 30		3 341 982 229
K 80		3 341 982 279
N 30		3 341 980 329
U 39		3 341 980 338



Glow-plug switches

Motor and equipment switches



4 Key-operated light/starting switch

with safety lock. Key can be removed only in "off" position. Nickel-plated key.

Key lock No. E 51-E 100.

Switching capacity: 13 A/24 V continuous duty (terminal 15), 33 A/24 V (terminals 17, 19).

On-time 2 min.

18 A/12 V (terminal 50a), 9 A/24 V (terminal 58).

Fastening: with octagon nut and unpolished aluminum round nut M 22 x 1.

Fitting: \varnothing 22.5 mm, with cutout (twist-proof). For wall thicknesses up to 6 mm.

Switch positions: P Parking lamp / 0 Off / 1 On / 2 Preheating / 3 Start.

Connection: for terminals 17, 19, 30, connect both terminals if current above 45 A.

with 2 keys **0 342 316 002**

as ..316 002, but

key with grip in plastic jacket and round nut painted black. Lock No. K 80.

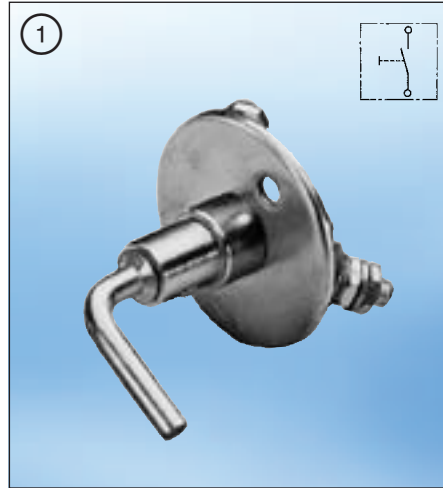
with 2 keys **0 342 316 003**

Spare parts for ③ ④

Switch keys for lock Nos.

E 30	3 341 980 279
K 80	3 341 982 279
N 30	3 341 980 329
U 39	3 341 980 338
Washer	1 330 140 000

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)



1 Preheat lever switch

Galvanized steel housing. Chrome-plated switch lever, not removable.

Switching capacity: 100 A/12 V (on-time 2 min).

Fastening: flush installation.

Fitting: \varnothing 22 mm. 2 holes \varnothing 6.4 mm, hole spacing 38 mm.

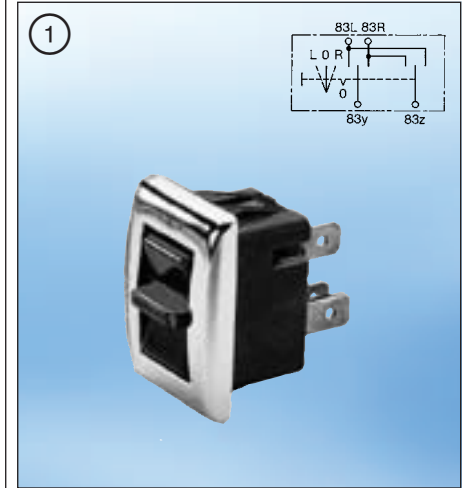
Switch positions: 0 Off, 1 Preheating, switch lever must be held in preheating position, returns automatically to position 0 (Off).

Connection: terminal stud (for cables with cable lug).

0 343 405 001

Note:

If this glow-plug switch is used, a special ignition switch, or headlamp-ignition switch, or ignition and starting switch is necessary, see Pages A 98...A 101.



1 Rocker switch Reversing changeover switch

12 V

With reset, for power-windows, sunroofs etc.

With chrome-plated cover, black switch handle.

Dual changeover switch

72 W/12 V (30 A for on-time 5 sec).

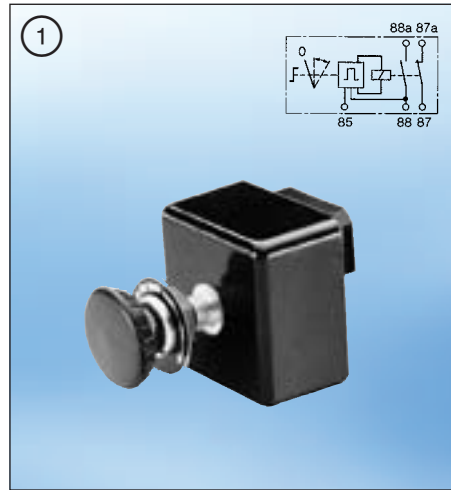
Fastening: with clamping spring, with or without mounting frame.

Connection: blade terminals.

0 343 302 003

Wiper switches

Up to 24 V



1 Rotary switch, wiper pulse generator, soft rubber knob, black

For self-parking wiper motors. For intermittent wiping. Continuously adjustable from 2 to 25 pulses/min.

Pulse length approx. 0.4 s independent of load.

Fastening: with round nut M 10 x 1.

Fitting: Ø 10.5 mm. For wall thicknesses up to 9 mm.

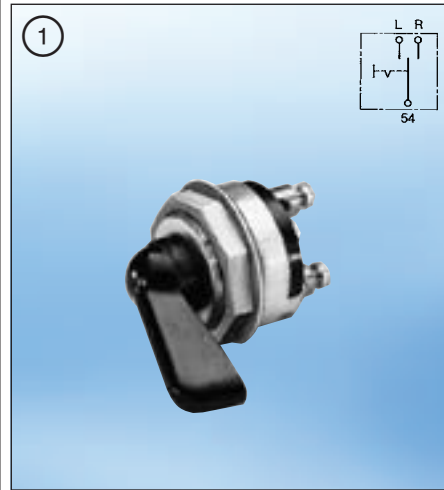
Connection: blade terminals.

6 V/12 V **0 336 920 004**

24 V ¹⁾ **0 336 920 003**

¹⁾ Use a relay for wiper motors with more than 3.2 A current consumption.

Turn-signal switches



1 Rotary, single-circuit switch without indicator lamp

Housing black, switch lever black.

Switching capacity: 45 W/12 V (term. L, R)

Fastening: with polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout (twist-proof). For wall thicknesses up to 2 mm.

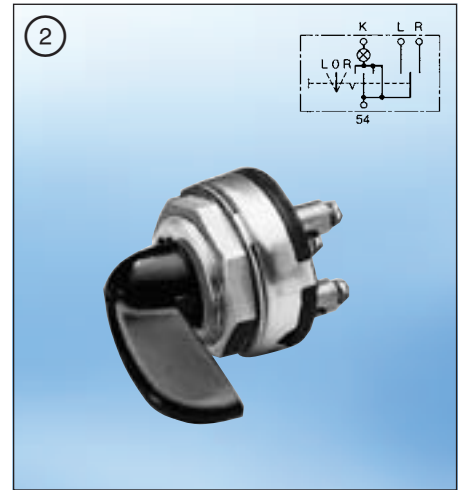
Connection: screw terminals.

0 341 101 001

Spare parts

Octagon nut **1 343 300 002**

Washer **3 340 102 000**



2 Rotary, single-circuit switch with indicator lamp

Without bulb, housing galvanized, switch lever black, lens red.

Switching capacity: 60 W/12 V (terminals L, R), 5 W/12 V (terminal K).

Fastening: with polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout (twist-proof). For wall thicknesses up to 2 mm.

Connection: screw terminals.

0 341 300 002

Spare parts

Octagon nut **1 343 300 002**

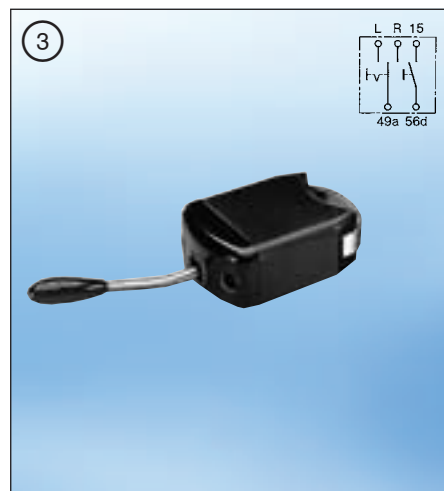
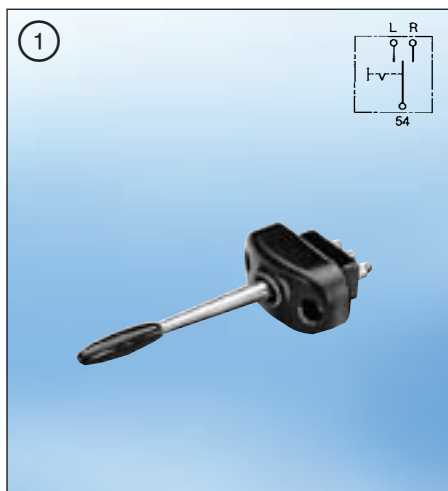
Washer **3 340 102 000**

Bulb (shape H)

12 V 2,0 W **1 987 302 212**

24 V 2,0 W **1 987 302 508**

Turn-signal and combi-switches



1 Lever-type turn-signal switch without headlamp-flasher contact

For mounting in steering column.
Knob and housing black. Switch lever galvanized with transparent chromated finish. Switch lever 82 mm long.
Switching capacity: 60 W/24 V (term. L, R).
Fastening: 2 holes \varnothing 4.2 mm.
Hole spacing 42 mm.
Fitting: aperture 32 x 21 mm.
Connection: screw terminals.

0 341 600 001

3 Lever-type turn-signal switch with headlamp-flasher contact

Housing and handle black, switch lever angled at 15°, bright-galvanized and transparent chromated finish. Switch lever 148 mm long.
Switching capacity: 80 W/24 V (term. L, R), 100 W/24 V (terminal 56d).
Fastening: on steering column with clamping band. Clamping range \varnothing 45 to \varnothing 55 mm.
With fastening parts (enclosed loose).
Connection: blade terminals.

0 341 810 006

2 Lever-type turn-signal switch with headlamp-flasher contact

For mounting in steering column. Housing, handle and switch lever black. Switch lever straight. Length 148 mm.
Switching capacity: 80 W/24 V (term. L, R), 100 W/24 V (terminal 56 d).
Fastening: on steering column with clamping band. Clamping range \varnothing 45 to \varnothing 55 mm.
Without fastening parts.
Connection: blade terminals.

0 341 810 005

as ..810 005, but switch lever angled 5°, length 109 mm.

0 341 810 013

4 Lever-type combi-switch

Diagram Ⓐ:
For turn-signal indicators, change-over switch for high and low beam, with horn button. Housing and handle black.
With switch lever angled at 11°. Length 220 mm.
Switching capacity: 110 W/24 V (terminals L, R, 56a, 56b, LH), 60 W/24 V (terminal 71a), 85 W/24 V (terminal 71b).
Fastening: with clamping ring \varnothing 45 mm.
Connection: 8-pole flat-pin plug.
Cables 400 mm.

0 341 810 007

as ..810 007, but switch lever angled at 20°. Length 180 mm

0 341 810 008

as ..810 007, but cables 430 mm long and switch lever angled 20°. Length 239 mm.

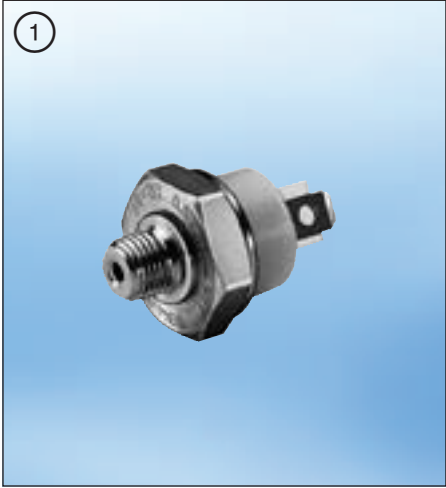
0 341 810 009

as ..810 007, but diagram Ⓑ:
Horn button with 2 switch positions for supertone horn. With headlamp flasher. Switch lever angled at 20°. Length 180 mm
Connection: one 8-pole plug, one 3-pole plug.

0 341 810 010

Multi-purpose pressure switches

Pneumatically and hydraulically actuated



**1 Pressure switch. NO contact
On-off switch, two-chamber system.**
For use in vehicle as check switch. Hydraulically or pneumatically actuated. Switching capacity: 2 W/24 V (lamp load). Permissible pressure agents: mineral oil, air (details of other agents upon request). Permissible operating temperature: -40...+130 °C.
Fastening: screw-in thread M 12 x 1.5.
Connection: blade terminals.
Switching range (gauge press.): 1.8...2.3 bar
Permissible operating pressure (gauge pressure): 6 bar. Permissible max. pressure (gauge pressure): 10 bar.

1-pole **0 986 345 202**
as ..202, but
Switching capacity: 5 W/24 V (lamp load).
Permissible operating temperature: -25...+85 °C
Fastening: screw-in thread M 10 x 1.
Switching range (gauge press.): 0.1...0.5 bar
Permissible operating pressure (gauge pressure): 8 bar. Permissible max. pressure (gauge pressure): 15 bar

1-pole **0 986 345 203**



**2 Pressure switch.
NC contact**
On-off switch, two-chamber system. For use in vehicle as check switch.
Pneumatically actuated.
Switching capacity: 5 W/24 V (lamp load).
Permissible operating temperature: -40...+100 °C.
Fastening: screw-in thread M 12 x 1.5.
Connection: blade terminals.
Switching range (gauge press.): 4.4...5.1 bar
Permissible operating pressure (gauge pressure): 8 bar.
Proof against excess pressure up to 12 bar

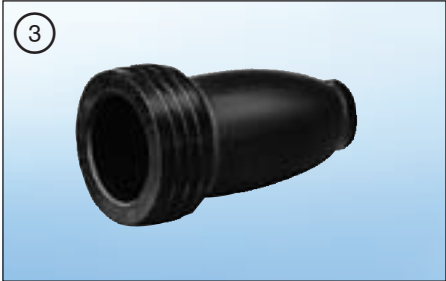
1-pole **0 986 345 501**
as ..501, but
Switching range (gauge press.): 5.6...6.6 bar
Permissible operating pressure (gauge pressure): 12 bar.
Proof against excess pressure up to 15 bar.

1-pole **0 986 345 503**



**4 Pressure switch.
NC contact**
On-off switch, two-chamber system. For use in vehicle as check switch. Pneumatically actuated.
Switching capacity: 5 W/24 V (lamp load).
Permissible operating temperature: -40...+100 °C.
Fastening: screw-in thread M 12 x 1.5.
Connection: blade terminals.
Switching range (gauge pressure): 0.5...0.9 bar. Permissible operating pressure (gauge pressure): 12 bar.
Proof against excess pressure up to 15 bar

1-pole **0 986 345 504**



3 Protective cap
For multi-purpose pressure switches with blade terminals.
Protects electrical connections against moisture.
Material: black neoprene.
Fastening: self-clamping.

3 340 524 012

as ..501, but
Switching range (gauge press.): 9.6...10.8 bar.
Permissible operating pressure (gauge pressure): 18 bar.
Proof against excess pressure up to 18 bar.

1-pole **0 986 345 502**

Accessories (order separately)
for pressure switches 0 986 345 501, ..502, ..503.

Universal pressure switch

with DIN bayonet connector



④ Mechanical pressure switch with bayonet connector

Operating forces:
 - at switch point ~ 16 N
 - at final position ~ 32 N
 (other values upon request)
 Operating temperature: -30°C +130°C
 Operating voltage: 5V - 32 V
 Switching current: max. 5A
 Switching capacity: max. 135 W
 Endurance test: up to 1.500.000 cycles
 Switch type: Normally open contact or
 Normally closed contact
 Electrical connection: acc. to ISO 15170
 (DIN 72585)
 Hexagon: 27
 Connecting thread: M16x1,5 / M18x1,5
 (other connecting threads upon request)
 Material characteristics:
 - Housing: Brass / zinc-plated steel (CrVI-free) /
 stainless steel
 - Socket: PA66-GF30
 - Plunger: Zinc-plated steel (CrVI-free) /
 stainless steel; hardened
 - Electrical contacts: Silver
 (other contacts upon request)
 Tightening Torque: max. 50 Nm
 Degree of protection: up to IP6K9K with suitable
 connector installed
 2-pole **0 986 346 800**

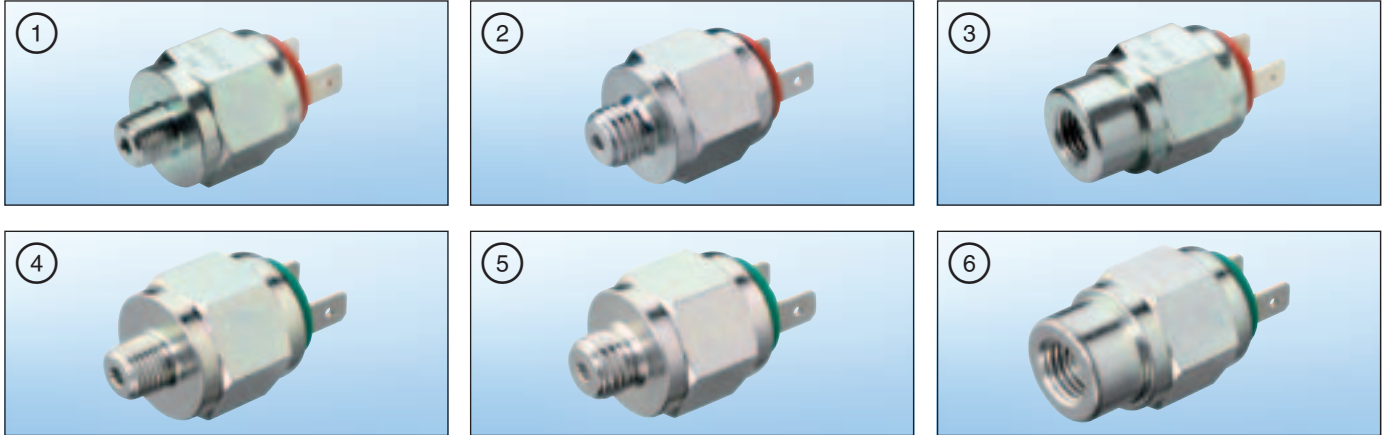
④ Pressure switch with bayonet connector

Set pressure: Adjustment range from 0,15 bar
 to 10 bar
 Hysteresis: average value 10% depending on type,
 not adjustable
 Working pressure: max. 12 bar
 Overpressure safety: 16 bar
 Bursting pressure: > 50 bar
 Medium: Air
 Operating temperature: -40°C +100°C
 Operating voltage: 12 / 24 V DC
 Switching capacity: max. 30 W
 (at ohmic load)
 Endurance test: 1.000.000 cycles
 Switch type: Normally open contact or
 Normally closed contact
 Electrical connection: acc. to ISO 15170
 (DIN 72585)
 Hexagon: 24 or 27
 Connecting thread: M10x1 / M10x1 con. /
 M12x1,5 / M16x1,5
 (other connecting threads upon request)
 Material characteristics:
 - Housing: Brass / zinc-plated steel (CrVI-free) /
 stainless steel
 - Socket: PA66-GF30
 - Electrical contacts: Silver
 (other contacts upon request)
 Degree of protection: up to IP6K9K with suitable
 connector installed
 2-pole **0 986 346 700**



Pressure switch up to 24 V/15 A

for engine coolings fans
(-40°C...+140°C)



Type of actuation	Fastening screw-in thread	Operating pressure range/ Temperature range bar / °C	Connection 2-pole	Fig.	Part number
Pressure switch NC contact	M12 x 1.5	2.0 ± 0.2 bar	Blade terminal 6.3 mm		0 986 346 001
	M12 x 1.5	4.0 ± 0.4 bar	Bimetal rivets		0 986 346 002
	M12 x 1.5	0.15 ± 0.1 bar	AGNi 20a/E-Cu, DIN 46244		0 986 346 003
	M12 x 1.5	0.5 ± 0.15 bar			0 986 346 004
	M12 x 1.5	6.0 ± 0.6 bar			0 986 346 005
	M12 x 1.5	2.5 ± 0.3 bar		2	0 986 346 006
	M12 x 1.5	1.0 ± 0.2 bar			0 986 346 007
	M12 x 1.5	4.5 ± 0.5 bar			0 986 346 008
	M12 x 1.5	5.0 ± 0.5 bar			0 986 346 009
	M12 x 1.5	0.8 ± 0.15 bar			0 986 346 010
	M12 x 1.5	3.0 ± 0.3 bar			0 986 346 011
	M12 x 1.5	5.5 ± 0.6 bar			0 986 346 012
	M12 x 1.5 (internal thread)	0.15 ± 0.1 bar		3	0 986 346 021
	M12 x 1.5 (internal thread)	0.5 ± 0.15 bar			0 986 346 022
	M12 x 1.5 (internal thread)	4.0 ± 0.4 bar			0 986 346 023
	M10 x 1 (tapered short)	1.0 ± 0.2 bar			0 986 346 031
	M10 x 1 (tapered short)	2.0 ± 0.2 bar		1	0 986 346 032
	M10 x 1 (tapered short)	3.0 ± 0.3 bar			0 986 346 033
	M10 x 1 (tapered short)	4.0 ± 0.4 bar			0 986 346 034
	Pressure switch NO contact	M12 x 1.5	5.5 ± 0.6 bar	Blade terminal 6.3 mm	5
M12 x 1.5		2.0 ± 0.2 bar	Bimetal rivets		0 986 346 052
M12 x 1.5		0.3 ± 0.1 bar	AGNi 20a/E-Cu, DIN 46244		0 986 346 053
M12 x 1.5		3.5 ± 0.4 bar			0 986 346 054
M12 x 1.5		4.1 ± 0.4 bar			0 986 346 055
M12 x 1.5		4.5 ± 0.5 bar			0 986 346 056
M12 x 1.5		5.0 ± 0.5 bar			0 986 346 057
M12 x 1.5		1.2 ± 0.2 bar			0 986 346 058
M12 x 1.5		6.0 ± 0.6 bar			0 986 346 059
M12 x 1.5		5.2 ± 0.5 bar			0 986 346 060
M12 x 1.5		5.7 ± 0.6 bar			0 986 346 061
M12 x 1.5		6.6 ± 0.6 bar			0 986 346 062
M12 x 1.5 (internal thread)		4.5 ± 0.5 bar		6	0 986 346 071
M12 x 1.5 (internal thread)		5.5 ± 0.6 bar			0 986 346 072
M12 x 1.5 (internal thread)		5.7 ± 0.6 bar			0 986 346 073
M10 x 1 (tapered short)		4.2 ± 0.4 bar		4	0 986 346 081
M10 x 1 (tapered short)		2.0 ± 0.2 bar			0 986 346 082

Temperature switch up to 24 V/15 A

for engine coolings fans
(-40°C...+140°C)



Type of actuation	Fastening screw-in thread	Operating pressure range/ Temperature range bar / °C	Connection 2-pole	Fig.	Part number
Temperature switch	M22x1,5-6g	92°C-87°C	Blade terminal 6.3 mm	7	0 986 347 005
	M22x1,5-6g	88°C-79°C	Bimetal rivets		0 986 347 003
	M22x1,5-6g	95°C-86°C	AGNi 20a/E-Cu,		0 986 347 004
	M22x1,5-6g	82°C-68°C	DIN 46244		0 986 347 002
	M22x1,5-6g	95°C-90°C			0 986 347 001

Oil-pressure warning switches

Hydraulically actuated
Up to 24 V



For European vehicles
Two-chamber system



Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number	Vehicle makes ¹⁾
M 10 x 1	0.15–0.45	Blade terminals	1	0 986 344 082 ^{2) 3)}	Audi, Volvo, VW
	0.3–0.5	Blade terminals	1	0 986 344 085 ²⁾	Cesab, Itma Trattori, VM, VW
	0.5–0.8	Blade terminals	1	0 986 344 090 ³⁾	Fendt
M 10 x 1 (tapered short) DIN 158	0.05–0.15	Blade terminals	1	0 986 344 055	BMW
	0.15–0.45	Blade terminals	1	0 986 344 044 ^{2) 3)}	Alfa Romeo, Audi, Porsche, VW
	0.2–0.49	Blade terminals	2	0 986 344 032	Audi, Massey-Ferguson-Hanomag
	0.2–0.5	Blade terminals	1	0 986 344 058 ^{2) 3)}	ABG, Atlas, Hanomag, Massey-Ferguson, Steyr
		Screw terminals M 4	4	0 986 344 051	Audi, Magirus-Deutz, MAN, Porsche, Saviem
	0.3–0.6	Blade terminals	1	0 986 344 056 ^{2) 3)}	Audi, Porsche, VW
		Screw terminals M 4	4	0 986 344 052	–
	0.5–0.8	Blade terminals	1	0 986 344 033 ³⁾	Hanomag-Henschel, MAN, Schilter, Volvo
		Screw terminals M 4	4	0 986 344 053	Reformwerke Bauer, Steyr, Volvo
	0.8–1.2	Blade terminals	1	0 986 344 041 ^{2) 3)}	IF, Itma Trattori, Lamborghini, Mosa, Muzzi, Palmieri, Steyr, VM
Screw terminals M 4		4	0 986 344 046 ^{2) 3)}	Alfa Romeo	
M 12 x 1,5	0.2–0.5	Blade terminals	1	0 986 344 040 ^{2) 3)}	BMW, FIAT, Lamborghini, UNIC
	0.3–0.55	Screw terminals	3	0 986 344 089	Mercedes-Benz
M 12 x 1,75	1.2–1.7	Blade terminals	1	0 986 344 077 ^{2) 3)}	Huerlimann, Lamborghini, Same, VM
M 14 x 1,5	0.15–0.45	Blade terminals	1	0 986 344 046 ^{2) 3)}	Alfa Romeo
	0.3–0.55	Screw terminals M 4	4	0 986 344 080 ²⁾	Mercedes-Benz
		Blade terminals	1	0 986 344 036 ³⁾	Opel, Peugeot, Renault, Vauxhall, Volvo
¼"-18 NPTF	0.2–0.6	Threaded pins ⁴⁾	5	0 986 344 086 ³⁾	Ford, SAAB
⅜"-27 PTF- SAE short	0.3–0.6	Blade terminals	1	0 986 344 076 ^{2) 3)}	DAF, Ford, Case IH, IH
	0.5–0.8	Blade terminals	1	0 986 344 054 ^{2) 3)}	DAF, Ford, John Deere, SAAB
⅜"-27 NPTF	0.4–0.7	Blade terminals	1	0 986 344 074 ^{2) 3)}	Volvo

Technical data for European and Japanese oil-pressure warning switches

On-off switch, NC contact. Steel housing, for European vehicles galvanized and yellow chromated.
Switching capacity (lamp load): 5 W to 24 V.
Permissible operating temperature: –40 °C ... +140 °C.

Permitted operating pressure (gauge pressure): 6 bar.
Maximum pressure (gauge pressure): 10 bar.
Degree of protection according to DIN 40050 (Page 9):
IP 66 if suitable protective cap is used, i.e.: complete protection against contact, protection against penetration by dirt and dust and penetration by water during temporary submersion.

¹⁾ See application recommendation for vehicle models.

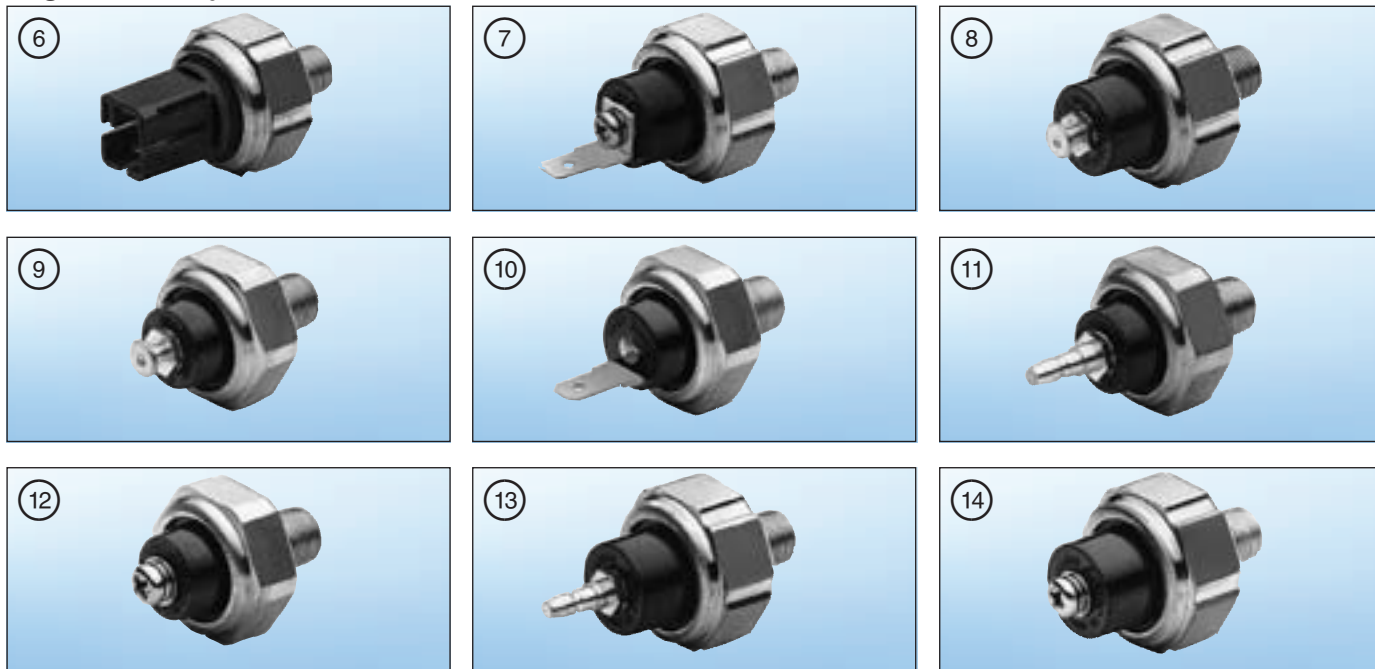
²⁾ Interior parts with special corrosion protection.

³⁾ Accessories: protective cap **3 340 522 025** see next page.

⁴⁾ Threaded pin 8-32 UNC-2 A.



For Japanese vehicles
Single-chamber system



Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number	Vehicle makes ¹⁾
R 1/8"-28 BSP (tapered)	0.16-0.18	Blade terminals	6	0 986 345 007	Nissan
	0.25-0.35	Blade terminals	7	0 986 345 001	Daihatsu, Suzuki, Toyota
		Mitsubishi, Suzuki			0 986 345 017
	0.28-0.38	Plate terminals	8	0 986 345 000	Toyota
			0 986 345 012	Mazda	
	0.28-0.34	Plate terminals	9	0 986 345 005	Daihatsu, Mazda
	0.28-0.34	Blade terminals	10	0 986 345 008	Daihatsu, Subaru, Suzuki
	0.30-0.32	Pin terminals	11	0 986 345 009	Honda
	0.30-0.38	Screw	12	0 986 345 006	Honda, Mazda, Subaru
	0.30-0.40	Pin terminals	13	0 986 345 003	Nissan
0.35-0.45	Screw terminals	14	0 986 345 004	Mazda	
				0 986 345 011	Honda

¹⁾ See application recommendations for vehicle models.



Accessories (order separately)


Protective cap

For oil-pressure warning switches with blade terminals. Protects electrical connections against moisture.

Material: black neoprene.

Fastening: self-clamping.

3 340 522 025

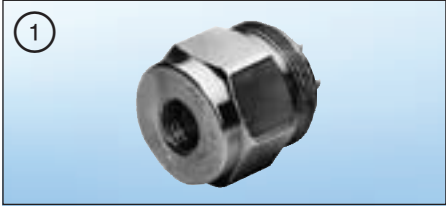


Important installation note

Before installing the new oil-pressure warning switch, check that the pressure range (can be read off on housing) and thread of the replacement switch match those of the original switch.

Stop lamp switches

Pneumatically or hydraulically actuated



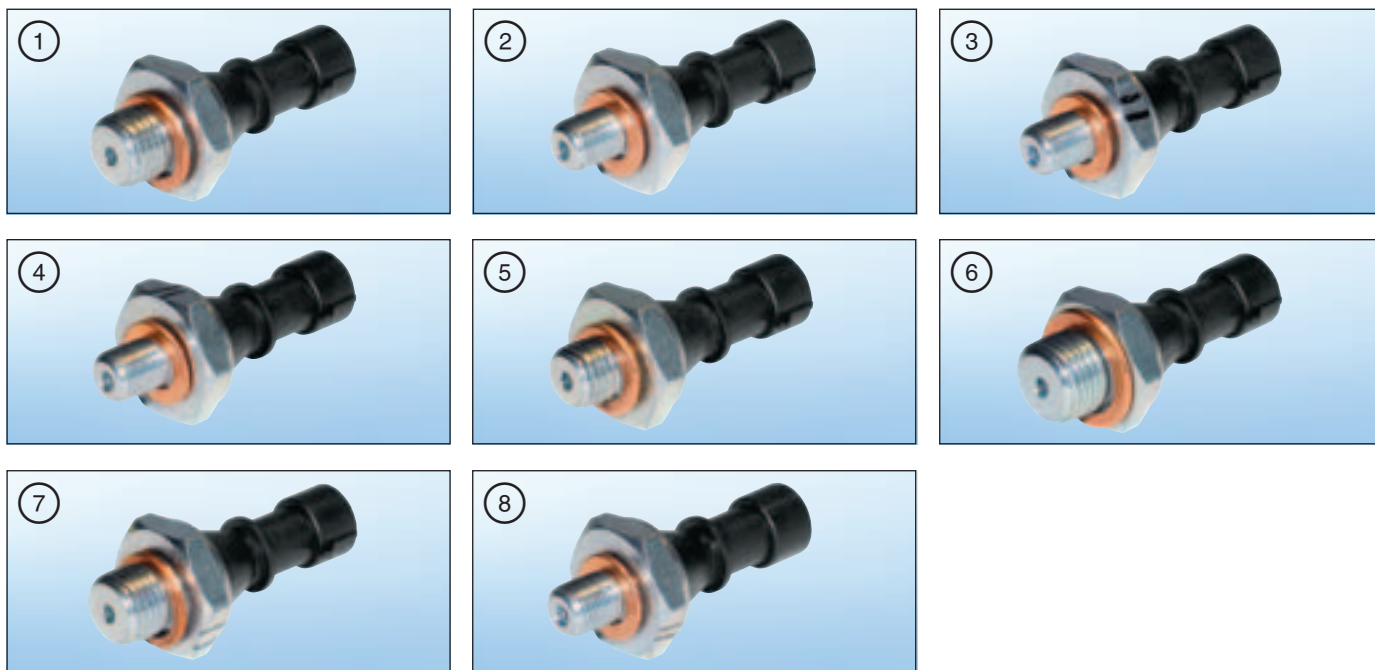
Type of actuation	Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 2-pole	Fig.	Part number
Pneumatic	M 12 x 1,5	0.1–0.3	Pin terminals	1	0 986 345 413 ¹⁾
		0.1–0.5	Blade terminals	2	0 986 345 408
			Blade terminals 6,3 mm	2	0 986 345 409
		0.75–1.0	Pin terminals	1	0 986 345 414 ¹⁾
		1.0–1.4	Pin terminals	1	0 986 345 411 ¹⁾
Hydraulic	M 10 x 1 (tapered short) DIN 158	2–4	Blade terminals	3	0 986 345 112
			Blade terminals	3	0 986 345 114 ²⁾
		2–5	Pin terminals	4	0 986 345 115 ¹⁾
			Blade terminals	3	0 986 345 116 ²⁾
		3–6	Blade terminals	3	0 986 345 110
			Blade terminals	3	0 986 345 113 ²⁾
	1/8" x 27 NPTF SAE-short	2–4	Blade terminals	3	0 986 345 117 ¹⁾
			Blade terminals	3	0 986 345 119
		2–5	Blade terminals	3	0 986 345 120
			Blade terminals	3	0 986 345 111
Oil-pressure switches	M 12 x 1,5	0.1–0.5	Blade terminals 6,3 mm	2	0 986 346 409
		1.0–1.4	Pin terminals	1	0 986 346 411 ¹⁾
		0.1–0.3	Pin terminals	1	0 986 346 413 ¹⁾
		0.75–1.0	Pin terminals	1	0 986 346 414 ¹⁾
	M 10 x 1 (tapered short) DIN 158	3–6	Blade terminals	3	0 986 346 110
		2–4	Blade terminals	3	0 986 346 112
	1/8" x 27 NPTF SAE-short	2–5	Pin terminals	4	0 986 346 115
			Blade terminals	3	0 986 346 111
		2–4	Blade terminals	3	0 986 346 119
			Blade terminals	3	0 986 346 120

Technical data

Pneumatic pressures: Permissible operating pressure (gauge pressure) 8 bar.
 Max. permissible pressure (gauge pressure) 12 bar. Overload capacity 15 bar (max. 2 s).
 Permissible operating temperature: -40...+100 °C.
 Hydraulic pressures (pressure medium: brake fluid).

Permissible operating pressure (gauge pressure) 200 bar.
 Max. permissible pressure (gauge pressure) 350 bar.
 Permissible operating temperature: -40...+80 °C.
 On-off switch, NO contact, two-chamber system.
 Galvanized steel housing with yellow chromated finish.
 Electrical connections silver-plated.
 Switching capacity (lamp load): 150 W/12 V or 100 W/24 V.

¹⁾ With thread M 27 x 1 (on plug side) for splashwater protection.
²⁾ With two blade-terminal connections supplied loose.



Type of actuation	Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number
Oil-pressure switches/NC contact	M 14 x 1,5	0,30–0,55	Blade terminals as per ISO 8092-3	1	0 986 346 370
	M 10 x 1,0	0,30–0,55		2	0 986 346 371
	M 10 x 1,0	0,20–0,40		3	0 986 346 372
	M 10 x 1,0	0,10–0,30	1,5 x 0,8 Brass, silver-plated	4	0 986 346 373
	M 12 x 1,5	0,20–0,40		5	0 986 346 374
	M 16 x 1,5	0,45–0,75		6	0 986 346 375
	M 14 x 1,5	0,45–0,75		7	0 986 346 376
	M 10 x 1,0	1,80–2,20		8	0 986 346 377

O.E.	Bosch
ALFA ROMEO	
60808371	0 986 346 370
6ZL 003 259-491	0 986 346 370
6ZL 008 780-011	0 986 346 371

O.E.	Bosch
DAEWOO	
90336039	0 986 346 370
96281689	0 986 346 370
96494264	0 986 346 370
96647339	0 986 346 370

O.E.	Bosch
FIAT	
7606596	0 986 346 370
7705830	0 986 346 370
7706596	0 986 346 370
7708168	0 986 346 370
55354325	0 986 346 371
7710823	0 986 346 374
7710824	0 986 346 374
504026706	0 986 346 376
98442879	0 986 346 376

O.E.	Bosch
G.M.	
90336039	0 986 346 370
90507539	0 986 346 370
90534902	0 986 346 371
93190643	0 986 346 371

O.E.	Bosch
24 461 314	0 986 346 372
97 375 663	0 986 346 373
90337836	0 986 346 375
24 461 315	0 986 346 377

O.E.	Bosch
HOLDEN	
90336039	0 986 346 370
90507539	0 986 346 370

O.E.	Bosch
HYUNDAI	
V40-73-0001	0 986 346 370
V40-73-0006	0 986 346 371
V V40-73-0014	0 986 346 372
V40-73-0005	0 986 346 375

O.E.	Bosch
ISUZU	
8-97375-663-0	0 986 346 373
8-90336-039-0	0 986 346 375
IVECO	
J5610900	0 986 346 370
98442879	0 986 346 376

O.E.	Bosch
MAZDA	
70541060	0 986 346 370
70541077	0 986 346 371

O.E.	Bosch
OPEL	
12 52 557	0 986 346 370
12 52 562	0 986 346 370
12 52 570	0 986 346 370
12 52 572	0 986 346 370
12 52 578	0 986 346 370
48 03 551	0 986 346 370
45 04 585	0 986 346 370
12 38 696	0 986 346 371
12 52 555	0 986 346 371
12 52 573	0 986 346 371
62 40 261	0 986 346 372
12 52 577	0 986 346 373
12 52 566	0 986 346 375
62 40 262	0 986 346 377

O.E.	Bosch
SAAB	
45 04 585	0 986 346 370
90 569 684	0 986 346 370
95 44 610	0 986 346 370
47 70 186	0 986 346 376

O.E.	Bosch
VAUXHALL	
93190643	0 986 346 371

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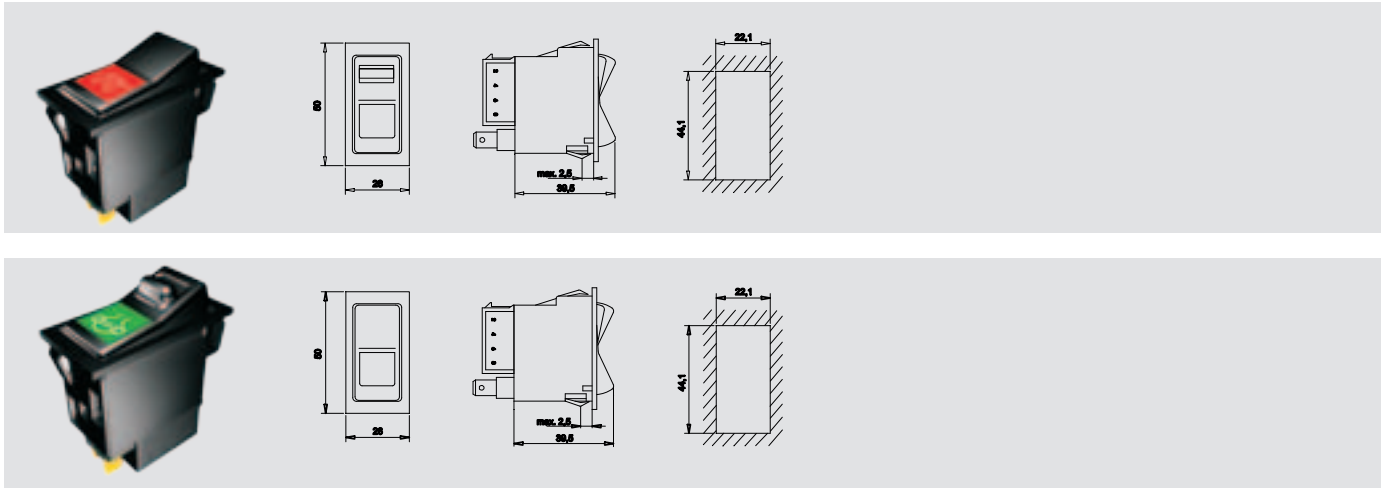
Accès facile et rapide aux données de rechange automobile Bosch.

Ricerca semplice e veloce dei dati Bosch di equipaggiamento veicoli.

Fácil y rápido acceso a la información de equipamiento Bosch para vehículos.

Flush-mounted and indicator switches

Product range „Classic design“ Type 1



Symbol illumination options



Version A

Applications: Non-illuminated switches or switches with direct illumination by lighting element.



Version B


Applications: Illuminated switches (light shines through plastic diaphragm, diffuse light).





Version C


Applications: Illuminated switches. When not switched on, the switch is only dimly lit (diffuse light: position of switch can be seen). It is more brightly lit when switched on (switch set to ON: bright light).


Key to circuit diagram symbols


- 

Switch (On/Off)
This switch can be set to different positions.
- 

Rocker switch
This switch returns to its original position after being actuated.
- 

Double locking
Status is retained until switch is actuated again.
- 

Single locking
Switch engages.
- 

Non-locking switch
Switch function in the form of a button.
- 

Non-locking switch
Switch function in the form of a button on both sides.



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 000
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 001
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 002
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 003
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 004
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 005
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 007
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 008
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 009
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 010
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 011
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 012
		-	12/24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 155
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 156
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 157
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 158
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 159
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 160
		-	12/24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 148
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 149
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 150
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 151
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 152
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 153
		-	12/24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 162
		A	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 163
		A	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 164
		B	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 165
		B	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 166
		C	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 167
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 012
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 013
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 014
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 015
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 016
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 017
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 018
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 126
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 127
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 128
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 129
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 130
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 019
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 020
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 021
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 022
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 023
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 024
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 025
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 109
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 110
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 111
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 112
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 113
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 114
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 115
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 182
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 183
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 184
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 185
B	24	<input type="radio"/>	<input type="radio"/>	0986 348 186		



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	●	●	0986 348 169
		A	12	●	●	0986 348 170
		A	24	●	●	0986 348 171
		B	12	●	●	0986 348 172
		B	24	●	●	0986 348 173
		C	12	●	●	0986 348 174
		C	24	●	●	0986 348 175
		-	12/24	○	○	0986 348 033
		A	12	○	○	0986 348 034
		A	24	○	○	0986 348 035
		B	12	○	○	0986 348 036
		B	24	○	○	0986 348 037
		C	12	○	○	0986 348 038
		C	24	○	○	0986 348 039
		-	12/24	○	○	0986 348 040
		A	12	○	○	0986 348 041
		A	24	○	○	0986 348 042
		B	12	○	○	0986 348 043
		B	24	○	○	0986 348 044
		-	12/24	○	○	0986 348 235
		A	12	○	○	0986 348 236
A	24	○	○	0986 348 237		
B	12	○	○	0986 348 238		
B	24	○	○	0986 348 239		
C	12	○	○	0986 348 240		
C	24	○	○	0986 348 241		
		-	12/24	○	○	0986 348 243
		A	12	○	○	0986 348 244
		A	24	○	○	0986 348 245
		B	12	○	○	0986 348 246
		B	24	○	○	0986 348 247
		-	12/24	○	○	0986 348 026
		A	12	○	○	0986 348 027
A	24	○	○	0986 348 028		
B	12	○	○	0986 348 029		
B	24	○	○	0986 348 030		
C	12	○	○	0986 348 031		
C	24	○	○	0986 348 032		
		-	12/24	●	○	0986 348 187
		A	12	●	○	0986 348 188
		A	24	●	○	0986 348 189
		B	12	●	○	0986 348 190
		B	24	●	○	0986 348 191
		C	12	●	○	0986 348 192
		C	24	●	○	0986 348 193
		-	12/24	○	○	0986 348 099
		A	12	○	○	0986 348 100
		A	24	○	○	0986 348 101
		B	12	○	○	0986 348 102
		B	24	○	○	0986 348 103
		-	12/24	○	○	0986 348 087
		A	12	○	○	0986 348 088
A	24	○	○	0986 348 089		
B	12	○	○	0986 348 090		
B	24	○	○	0986 348 091		
C	12	○	○	0986 348 092		
C	24	○	○	0986 348 093		
		-	12/24	●	○	0986 348 228
		A	12	●	○	0986 348 229
		A	24	●	○	0986 348 230
		B	12	●	○	0986 348 231
		B	24	●	○	0986 348 232
		C	12	●	○	0986 348 233
		C	24	●	○	0986 348 234

Anmerkung: Mit Sprungfeder I-II für einstufige Scheibenwischer und Scheibenwaschanlage

Note:
With elastic spring I-II



Illustration	Circuit diagram	Light	Volts	Lock		Part number		
				On	Off			
		-	12/24	●	●	0986 348 131		
		A	12	●	●	0986 348 132		
		A	24	●	●	0986 348 133		
		B	12	●	●	0986 348 134		
		B	24	●	●	0986 348 135		
		C	12	●	●	0986 348 136		
		C	24	●	●	0986 348 137		
		-	12/24	○	○	0986 348 211		
		A	12	○	○	0986 348 212		
		A	24	○	○	0986 348 213		
		B	12	○	○	0986 348 214		
		B	24	○	○	0986 348 215		
		C	12	○	○	0986 348 216		
		C	24	○	○	0986 348 217		
		-	12/24	○	○	0986 348 138		
		A	12	○	○	0986 348 139		
		A	24	○	○	0986 348 140		
		B	12	○	○	0986 348 141		
		B	24	○	○	0986 348 142		
		A	12	○	○	0986 348 065		
		A	24	○	○	0986 348 066		
		-	12/24	○	○	0986 348 067		
		A	12	○	○	0986 348 068		
		B	12	○	○	0986 348 069		
		B	24	○	○	0986 348 069		
		A	12	○	○	0986 348 248		
		A	24	○	○	0986 348 249		
		B	12	○	○	0986 348 250		
		-	12/24	○	○	0986 348 251		
		B	12	○	○	0986 348 252		
		B	24	○	○	0986 348 252		
		-	12/24	○	○	0986 348 143		
		A	12	○	○	0986 348 144		
		A	24	○	○	0986 348 145		
		B	12	○	○	0986 348 146		
		B	24	○	○	0986 348 147		
		-	12/24	○	○	0986 348 050		
		A	12	○	○	0986 348 051		
		A	24	○	○	0986 348 052		
		B	12	○	○	0986 348 053		
		B	24	○	○	0986 348 054		
				-	12/24	○	○	0986 348 060
A	12			○	○	0986 348 061		
A	24			○	○	0986 348 062		
B	12			○	○	0986 348 063		
B	24			○	○	0986 348 064		
				-	12/24	○	○	0986 348 055
				A	12	○	○	0986 348 056
		A	24	○	○	0986 348 057		
		B	12	○	○	0986 348 058		
		B	24	○	○	0986 348 059		
				-	12/24	○	○	0986 348 070
				A	12	○	○	0986 348 071
A	24			○	○	0986 348 072		
B	12			○	○	0986 348 073		
B	24			○	○	0986 348 074		



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 194
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 195
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 196
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 197
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 198
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 199
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 200
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 219
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 220
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 221
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 222
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 223
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 224
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 225
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 045
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 046
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 047
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 048
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 049
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 116
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 117
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 118
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 119
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 120
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 080
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 081
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 082
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 083
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 084
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 085
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 086
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 094
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 095
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 096
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 097
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 098
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 121
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 122
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 123
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 124
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 125
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 126
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 075
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 076
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 077
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 078
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 079
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 080
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 104
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 105
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 106
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 107
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 108
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 109
		X	24	<input type="radio"/>	<input type="radio"/>	0986 348 201
		X	24	<input type="radio"/>	<input type="radio"/>	0986 348 203

Note:
For two-speed wipers

Note: With elastic spring I-II for single-speed wipers and washer system

Note: 10A

X = Switch for warning functions with function symbols for lighting and hazard warning system.

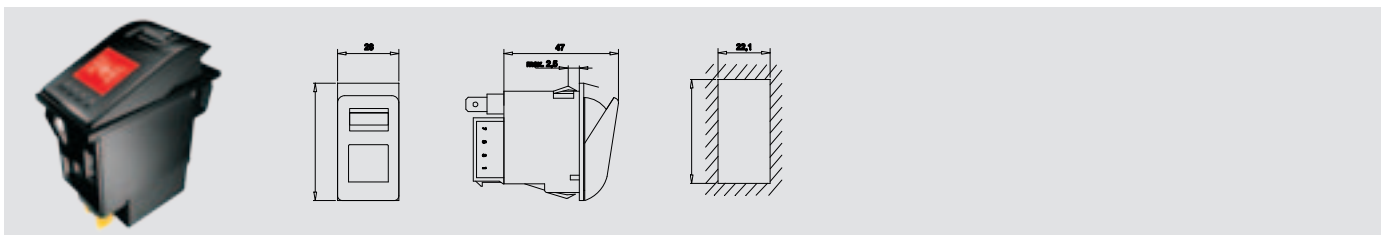
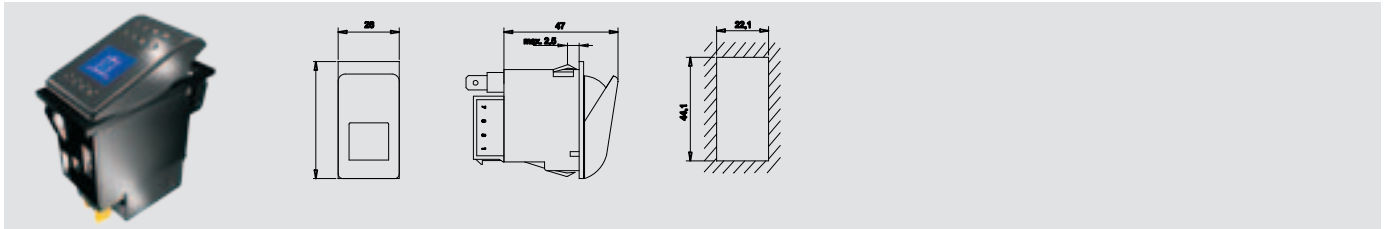


Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
 Note: 10A		X	24	●	○	0986 348 202
 Note: 10A		X	12	○	○	0986 348 202
 Note: 10A		X	12	○	○	0986 348 226
		X	24	○	○	0986 348 227
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		X	12	○	○	0986 348 176
		X	24	○	○	0986 348 177
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		X	12	○	○	0986 348 178
		X	24	○	○	0986 348 179
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		X	12	○	○	0986 348 180
		X	24	○	○	0986 348 181
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		X	24	●	○	0986 348 242

X = Switch for warning functions with function symbols for lighting and hazard warning system.

Flush-mounted and indicator switches

Product range „Modern design“ Type 2



Symbol illumination options



Version A

Applications: Non-illuminated switches or switches with direct illumination by lighting element.



Version B

Applications: Illuminated switches (light shines through plastic diaphragm, diffuse light).



Version C

Applications: Illuminated switches.
When not switched on, the switch is only dimly lit (diffuse light: position of switch can be seen).
It is more brightly lit when switched on (switch set to ON: bright light).

Key to circuit diagram symbols

Switch (On/Off)
This switch can be set to different positions.

Rocker switch
This switch returns to its original position after being actuated.

Double locking
Status is retained until switch is actuated again.

Single locking
Switch engages.

Non-locking switch
Switch function in the form of a button.

Non-locking switch
Switch function in the form of a button on both sides.


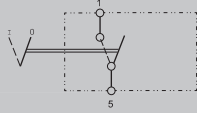

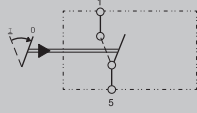

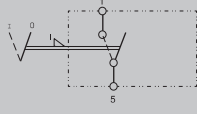

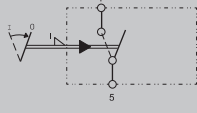

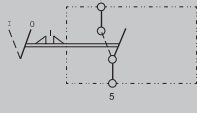

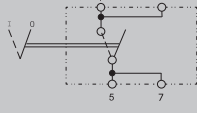

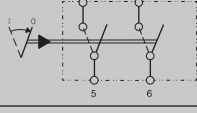

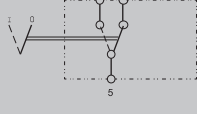

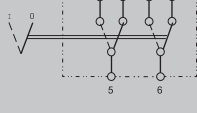

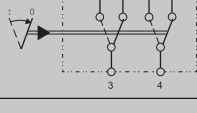
Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 300
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 301
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 302
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 303
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 304
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 305
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 307
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 308
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 309
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 310
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 311
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 312
		-	12/24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 455
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 456
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 457
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 458
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 459
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 460
		-	12/24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 448
		A	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 449
		A	24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 450
		B	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 451
		B	24	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 452
		C	12	<input checked="" type="radio"/>	<input type="radio"/>	0986 348 453
		-	12/24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 462
		A	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 463
		A	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 464
		B	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 465
		B	24	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 466
		C	12	<input checked="" type="radio"/>	<input checked="" type="radio"/>	0986 348 467
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 312
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 313
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 314
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 315
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 316
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 317
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 426
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 427
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 428
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 429
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 430
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 431
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 319
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 320
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 321
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 322
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 323
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 324
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 409
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 410
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 411
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 412
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 413
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 414
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 482
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 483
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 484
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 485
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 486
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 487



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	●	○	0986 348 504
		A	12	●	○	0986 348 505
		A	24	●	○	0986 348 506
		B	12	●	○	0986 348 507
		B	24	●	○	0986 348 508
		C	12	●	○	0986 348 509
		-	12/24	●	●	0986 348 469
		A	12	●	●	0986 348 470
		A	24	●	●	0986 348 471
		B	12	●	●	0986 348 472
		B	24	●	●	0986 348 473
		C	12	●	●	0986 348 474
		-	12/24	○	○	0986 348 333
		A	12	○	○	0986 348 334
		A	24	○	○	0986 348 335
		B	12	○	○	0986 348 336
		B	24	○	○	0986 348 337
		C	12	○	○	0986 348 338
		-	12/24	○	○	0986 348 339
		A	12	○	○	0986 348 340
		A	24	○	○	0986 348 341
		B	12	○	○	0986 348 342
		B	24	○	○	0986 348 343
		B	24	○	○	0986 348 344
		-	12/24	○	○	0986 348 535
		A	12	○	○	0986 348 536
		A	24	○	○	0986 348 537
		B	12	○	○	0986 348 538
		B	24	○	○	0986 348 539
		C	12	○	○	0986 348 540
		-	12/24	○	○	0986 348 541
		A	12	○	○	0986 348 543
		A	24	○	○	0986 348 544
		A	24	○	○	0986 348 545
		B	12	○	○	0986 348 546
		B	24	○	○	0986 348 547
		-	12/24	○	○	0986 348 326
		A	12	○	○	0986 348 327
		A	24	○	○	0986 348 328
		B	12	○	○	0986 348 329
		B	24	○	○	0986 348 330
		C	12	○	○	0986 348 331
		-	12/24	○	○	0986 348 332
		A	12	○	○	0986 348 327
		A	24	○	○	0986 348 328
		B	12	○	○	0986 348 329
		B	24	○	○	0986 348 330
		C	12	○	○	0986 348 331
		-	12/24	●	○	0986 348 487
		A	12	●	○	0986 348 488
		A	24	●	○	0986 348 489
		B	12	●	○	0986 348 490
		B	24	●	○	0986 348 491
		C	12	●	○	0986 348 492
		-	12/24	●	○	0986 348 493
		A	12	○	○	0986 348 399
		A	24	○	○	0986 348 400
		B	12	○	○	0986 348 401
		B	24	○	○	0986 348 402
		B	24	○	○	0986 348 403
		-	12/24	○	○	0986 348 387
		A	12	○	○	0986 348 388
		A	24	○	○	0986 348 389
		B	12	○	○	0986 348 390
		B	24	○	○	0986 348 391
		C	12	○	○	0986 348 392
		-	12/24	○	○	0986 348 393
		C	24	○	○	0986 348 393

Note: With elastic spring I-II for single-speed wipers and washer system



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	●	○	0986 348 528
		A	12	●	○	0986 348 529
		A	24	●	○	0986 348 530
		B	12	●	○	0986 348 531
		B	24	●	○	0986 348 532
		C	12	●	○	0986 348 533
		C	24	●	○	0986 348 534
Note: With elastic spring I-II						
		-	12/24	○	○	0986 348 431
		A	12	○	○	0986 348 432
		A	24	○	○	0986 348 433
		B	12	○	○	0986 348 434
		B	24	○	○	0986 348 435
		C	12	○	○	0986 348 436
		C	24	○	○	0986 348 437
		-	12/24	○	○	0986 348 511
		A	12	○	○	0986 348 512
		A	24	○	○	0986 348 513
		B	12	○	○	0986 348 514
		B	24	○	○	0986 348 515
		C	12	○	○	0986 348 516
		C	24	○	○	0986 348 517
		-	12/24	○	○	0986 348 438
		A	12	○	○	0986 348 439
		B	12	○	○	0986 348 441
		B	24	○	○	0986 348 442
		-	12/24	○	○	0986 348 365
		A	12	○	○	0986 348 366
		A	24	○	○	0986 348 367
		B	12	○	○	0986 348 368
		-	12/24	○	○	0986 348 369
		B	24	○	○	0986 348 369
		A	12	○	○	0986 348 548
		A	24	○	○	0986 348 549
		-	12/24	○	○	0986 348 550
		B	12	○	○	0986 348 551
		B	24	○	○	0986 348 552
		A	12	○	○	0986 348 548
		-	12/24	○	○	0986 348 443
		A	12	○	○	0986 348 444
		A	24	○	○	0986 348 445
		B	12	○	○	0986 348 446
		-	12/24	○	○	0986 348 447
		B	24	○	○	0986 348 447
		A	12	○	○	0986 348 350
		A	24	○	○	0986 348 351
		-	12/24	○	○	0986 348 352
		B	12	○	○	0986 348 353
		B	24	○	○	0986 348 354
		A	12	○	○	0986 348 355
		-	12/24	○	○	0986 348 360
		A	12	○	○	0986 348 361
		A	24	○	○	0986 348 362
		B	12	○	○	0986 348 363
		-	12/24	○	○	0986 348 364
		B	24	○	○	0986 348 364
		A	12	○	○	0986 348 355
		A	24	○	○	0986 348 356
		-	12/24	○	○	0986 348 357
		B	12	○	○	0986 348 358
		B	24	○	○	0986 348 359
		A	12	○	○	0986 348 355
		-	12/24	○	○	0986 348 370
		A	12	○	○	0986 348 371
		A	24	○	○	0986 348 372
		B	12	○	○	0986 348 373
		-	12/24	○	○	0986 348 374
		B	24	○	○	0986 348 374
		A	12	○	○	0986 348 370
		A	24	○	○	0986 348 371



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 494
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 495
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 496
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 497
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 498
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 499
		C	24	<input type="radio"/>	<input type="radio"/>	0986 348 500
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 519
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 520
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 521
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 522
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 523
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 524
		C	24	<input type="radio"/>	<input type="radio"/>	0986 348 525
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 345
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 346
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 347
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 348
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 349
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 416
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 417
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 418
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 419
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 420
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 380
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 381
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 382
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 383
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 384
		C	12	<input type="radio"/>	<input type="radio"/>	0986 348 385
		C	24	<input type="radio"/>	<input type="radio"/>	0986 348 386
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 394
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 395
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 396
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 397
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 398
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 421
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 422
A	24	<input type="radio"/>	<input type="radio"/>	0986 348 423		
B	12	<input type="radio"/>	<input type="radio"/>	0986 348 424		
B	24	<input type="radio"/>	<input type="radio"/>	0986 348 425		
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 375
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 376
		A	24	<input type="radio"/>	<input type="radio"/>	0986 348 377
		B	12	<input type="radio"/>	<input type="radio"/>	0986 348 378
		B	24	<input type="radio"/>	<input type="radio"/>	0986 348 379
		-	12/24	<input type="radio"/>	<input type="radio"/>	0986 348 404
		A	12	<input type="radio"/>	<input type="radio"/>	0986 348 405
A	24	<input type="radio"/>	<input type="radio"/>	0986 348 406		
B	12	<input type="radio"/>	<input type="radio"/>	0986 348 407		
B	24	<input type="radio"/>	<input type="radio"/>	0986 348 408		
		▲	24	<input type="radio"/>	<input type="radio"/>	0986 348 501
		▲	24	<input type="radio"/>	<input type="radio"/>	0986 348 503



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
 Note: 10A		▲	24	●	○	0986 348 502
 Note: 10A		▲	12	○	○	0986 348 518
 Note: 10A		▲	12	○	○	0986 348 526
		▲	24	○	○	0986 348 527
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	0986 348 476
		▲	24	○	○	0986 348 477
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	0986 348 478
		▲	24	○	○	0986 348 479
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	0986 348 480
		▲	24	○	○	0986 348 481
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		▲	24	●	○	0986 348 542



▲ = Switch (Version A) with flasher function

Overview of function symbols

Symbol	Description	Part number
	Green	0 986 348 711
	Red	0 986 348 707
	Orange	0 986 348 705
	Wipers	0 986 348 708
	Wipers / washer system	0 986 348 706
	Dipped beam	0 986 348 710

Symbol	Description	Part number
	Main beam	0 986 348 703
	Floodlamp	0 986 348 700
	Hazard warning system	0 986 348 704
	Turbo blower	0 986 348 709
	Adjustment of blower speed	0 986 348 701
	Cylinder setting	0 986 348 702

Accessories

Symbol	Description	Part number
	Mounting frame	0 986 348 618
	Mounting frame	0 986 348 617
	Mounting frame	0 986 348 616
	Mounting frame	0 986 348 615
	Mounting frame	0 986 348 600
	Screen	0 986 348 621
	Socket	12 V incl. 1 bulb 0 986 348 601 24 V inkl. 1 bulb 0 986 348 602 12 V incl. 2 bulbs 0 986 348 603 24 V incl. 2 bulbs 0 986 348 604
	Socket	12 V incl. 1 bulb 0 986 348 608 24 V incl. 1 bulb 0 986 348 610 12 V incl. 2 bulbs 0 986 348 609 24 V incl. 2 bulbs 0 986 348 611
	Plug-in lamp	12 V 0 986 348 624 24 V 0 986 348 623

Symbol	Description	Part number
	Plug-in lamp	12 V 0 986 348 619 24 V 0 986 348 620
	Plug-in lamp (LED)	12 V 0 986 348 606 24 V 0 986 348 607
	Socket	0 986 348 622
	Socket	0 986 348 605

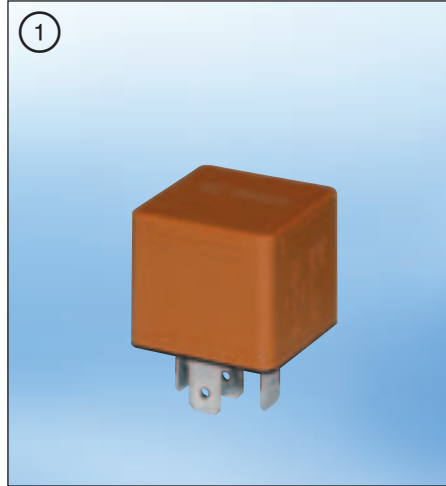


Mini-relays

Good for 250,000 switching cycles

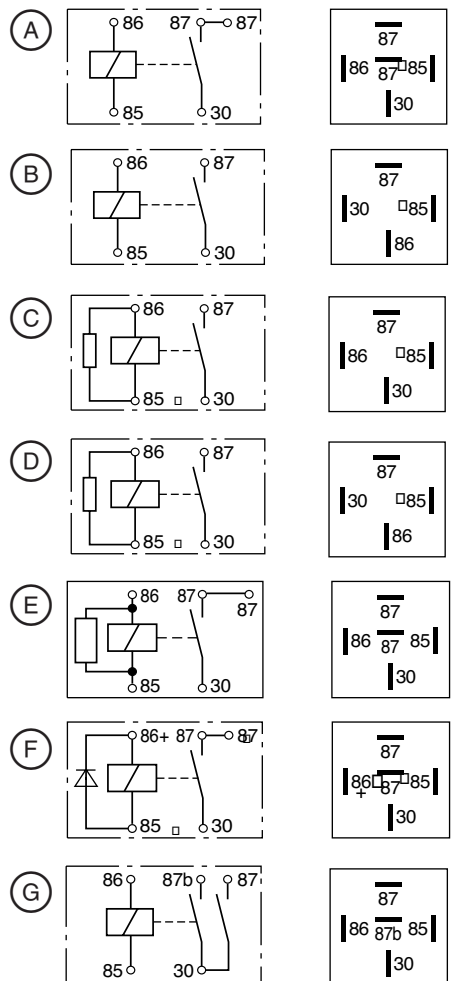
NO-contact relays

12 V / 24 V



Version	Rated voltage Rated current (terminal 87)	Mounting bracket	Fig.	Part number
Basic version	12 V 30 A	with	3 A	0 332 014 125 ¹⁾
		without	2 A	0 332 019 150
	24 V 20 A	with	2 A	0 332 019 801 □
		without	1 A	0 332 019 151
Basic version	12 V 40 A	with	2 B	0 332 019 157
		without	1 B	0 332 019 166
	12 V	without	1 B	0 332 019 166
		24 V	without	1 B
Terminals 30 and 86 interchanged.	12 V 30 A	without	1 B	0 332 019 451
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 30 A	without	1 C	0 332 019 103
	12 V 30 A	with	2 C	0 332 019 110
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 30 A	T-bar	1 C	0 332 019 456
		without	1 C	0 332 019 457
	12 V 40 A	without	1 C	0 986 332 003
		detend	1 C	0 986 332 040
	without	1 C	0 986 332 071	
	T-bar	1 C	0 986 332 072	
12 V 50 A	without	1 C	0 986 332 023	
	12 V 60 A	without	1 C	0 986 332 030
	12 V 70 A	without	1 C	0 986 332 002
	T-bar	1 C	0 986 332 050	
Shunt resistor for suppressing inductive interference-voltage peaks.	12 V 20 A	with	2 D	0 332 019 453
	12 V 30 A	without	1 D	0 332 019 451
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A	without	1 E	0 332 014 112
		with	2 F	0 332 019 155
Shunt resistor for suppressing inductive interference- voltage peaks.	24 V 30 A	without	1 E	0 332 019 204
		with	2 F	0 332 019 155
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A	with	2 F	0 332 019 155
		without	1 F	0 332 019 109
Basic version	24 V 20 A	without	1 F	0 332 014 213
No contacts with two makes	12 V, 2 x 15 A	with	3 G	0 332 015 001 ¹⁾
		without	1 G	0 332 015 006 ¹⁾
	24 V, 2 x 10 A	with	3 G	0 332 015 002 ¹⁾
		without	1 G	0 332 015 008 ¹⁾

□ Self-service pack
¹⁾ With metal housing



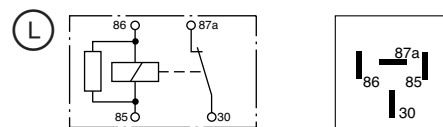
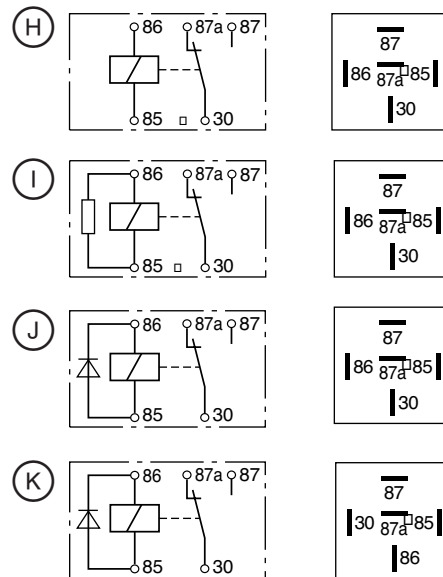
Change-over contact relays (can also be used as NC contacts) **6 V / 12 V / 24 V**

Version	Rated voltage Rated current (terminal 87)	Mounting bracket	Fig.	Part number	
Basic version	6 V 20 A/30 A	with	3 H	0 332 204 001	
	12 V 30 A	with	3 H	0 332 204 125	
	12 V 30 A Kl. 30 CU vers., Kl. 87, 87a CU, Kl. 85, 86 Brass	without	1 H	0 332 209 156	
	12 V 40 A/60 A	without	1 H	0 986 332 022	
	12 V 30 A/20 A		with	2 H	0 332 209 150
			without	1 H	0 332 209 135
			1 H	0 332 209 137	
			1 H	0 332 209 138	
	1 H		1 H	0 332 209 151	
			3 H	0 332 204 203	
			2 H	0 332 209 203	
	24 V 20 A	with	3 H	0 332 204 203	
	24 V 20 A Kl. CUZn	without	1 H	0 332 209 201	
	24 V 20 A/10 A		with	2 H	0 332 209 203
			without	1 H	0 332 209 211
lamp load only, max. 100 W	without	1 H	0 332 204 212 ¹⁾		
24 V 20 A Silver-plated		without	1 H	0 332 204 202	
		with	3 H	0 332 204 210	
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 30 A Kl. 30 / 86 Interchanged	with	3 I	0 332 204 402	
	12 V 30 A/20 A	without	1 I	0 332 209 159	
	12 V 40 A/40 A	detend	1 I	0 986 332 041	
	12 V 40 A/60 A	T-bar	1 I	0 986 332 053	
			1 I	0 986 332 073	
	24 V 20 A	with	3 I	0 332 204 207	
T-bar		1 I	0 332 209 216		
24 V 20 A/10 A	with	2 I	0 332 209 207		
	without	1 I	0 332 209 206		
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A/20 A	with	2 K	0 332 209 158	
		without	1 K	0 332 209 152	
Blade terminal silver-plated.	12 V 30 A	without	1 J	0 332 209 167	
	24 V 20 A/10 A	without	1 J	0 332 204 204 ¹⁾	
		1 J	0 332 209 204		

¹⁾ With metal housing

NC Contacts

Version	Rated voltage Rated current (terminal 87/87a)	Mounting bracket	Fig.	Part number
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 10 A	without	1 L	0 332 109 011



Accessories

For mini-relays, time-lag relays, turn-signal flashers, pulse generators, and vehicular hazard-warning-signal flashers

Note:

Please refer to relay catalog 1 987 721 076.



1 Socket housing (5-pole) with mounting bracket

For relays and sensors without mounting bracket. For single and multiple mounting.

Design: Glass-fiber-reinforced polyamide. The blade receptacles engage with their locking lance and are locked firmly in position. The plug-in bases are provided with groove and tongue and can therefore be assembled in rows; it is necessary only to secure 2 bases (hole diameter 5.3 mm, distance from base to base mount 30.5 mm).

3 334 485 008 ²⁾

²⁾ Qty. in pack: 5



2 Socket housing (5-pole) without mounting bracket

For relays and hazard-warning flasher units with mounting bracket.

Design: glass-fiber-reinforced polyamide. The blade receptacles engage with their locking lance and are locked firmly in position.

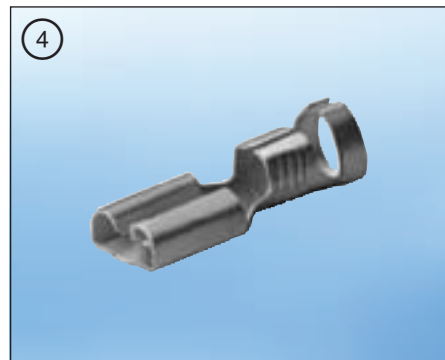
3 334 485 007 ²⁾



3 Plug housing

as ... 007, but for soldering onto printed circuit board.

3 334 485 041



4 Blade receptacles with locking lance

For socket housing.

Terminal size: 6.3 x 0.8 mm, as per DIN 46340/3.

Qty. in pack: 25

For conductor cross-section 1,5–2,5 mm²

1 901 355 975

Note

Relays not only reduce the loading imposed on control switches, but also reduce the voltage drops in the wiring. Furthermore, interlock circuits are a simple matter with relays.

In case of cramped installation conditions, mini-relays can provide the solution.

In the case of pre-tested wiring harnesses, multiple connectors facilitate simple assembly and lower failure rates.

The following mini-relay versions are available:

- Mini-relay without mounting bracket. Easily inserted in buttable screw-fastening plug-in base.
- Mini-relay with mounting bracket. Electrical connection through 5-pole socket.

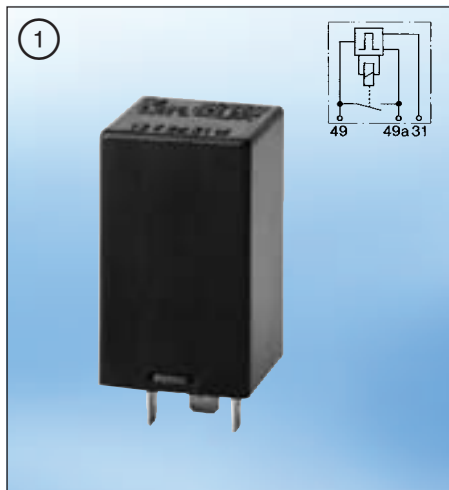
Blade-terminal connection

Blade-terminal size: 6.3 x 0.8 mm to ISO 7588

Degree of protection:

When using multiple connectors: Housing IP 34 to IEC 60529, contact with tools etc. thickness $\varnothing > 2.5$ mm. Splashwater from all directions (terminals pointing downwards).

Pulse generators



1 Pulse generators, electronically controlled **12 V/24 V**

For intermittent switching of devices or lamps, e.g. to improve the warning effect of indicator lamps.

Circuitry: load-independent, starts with on phase.

Load: according to service life in hours, max. 50 W for 100 h, 100 W for 36 h.

Frequency 90 ±15 pulses/min.

Fastening: on plug-in base (accessory).

Connection: blade terminals.

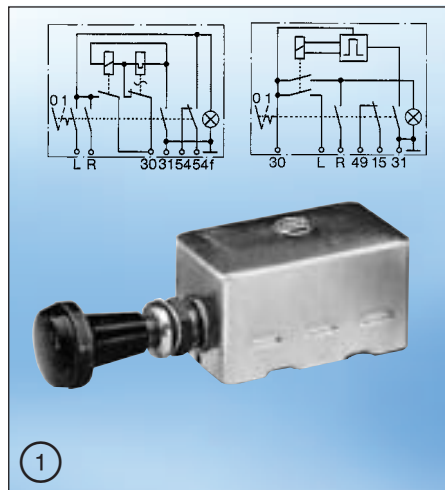
12 V	0 335 322 001
24 V	0 335 323 001

Load: max. 8 x 21 W for 100 h.

12 V	0 335 322 003
24 V	0 335 323 003

Hazard-warning-signal flashers

For vehicles with or without trailer



1 Hazard-warning-signal flasher **6 V/12 V/24 V**

For single and dual-circuit turn-signal systems.

Design: electronic flasher. Push-pull switch with indicator lamp in knob, without cable set.

Fastening: with round nut, installation hole Ø 10.5 mm, wall thickness up to 7 mm.

Connection: blade terminals.

6 V, max. 6x 21 W	0 336 851 003
12 V, max. 8x 21 W	0 336 851 004
24 V, max. 8x 21 W	0 336 900 000 ¹⁾

Switch shaft sealed for tractors

12 V, max. 8x 21 W	0 336 851 008
--------------------	----------------------

With universal cable set

12 V, max. 8x 21 W	0 336 851 901
--------------------	----------------------

Spare parts

Safety knob

for 24 V version	3 337 030 085
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Bulb (shape J)

12 V 2 W	1 987 302 224
24 V 3 W	1 987 302 519

Universal cable set (not shown)

	1 354 463 007
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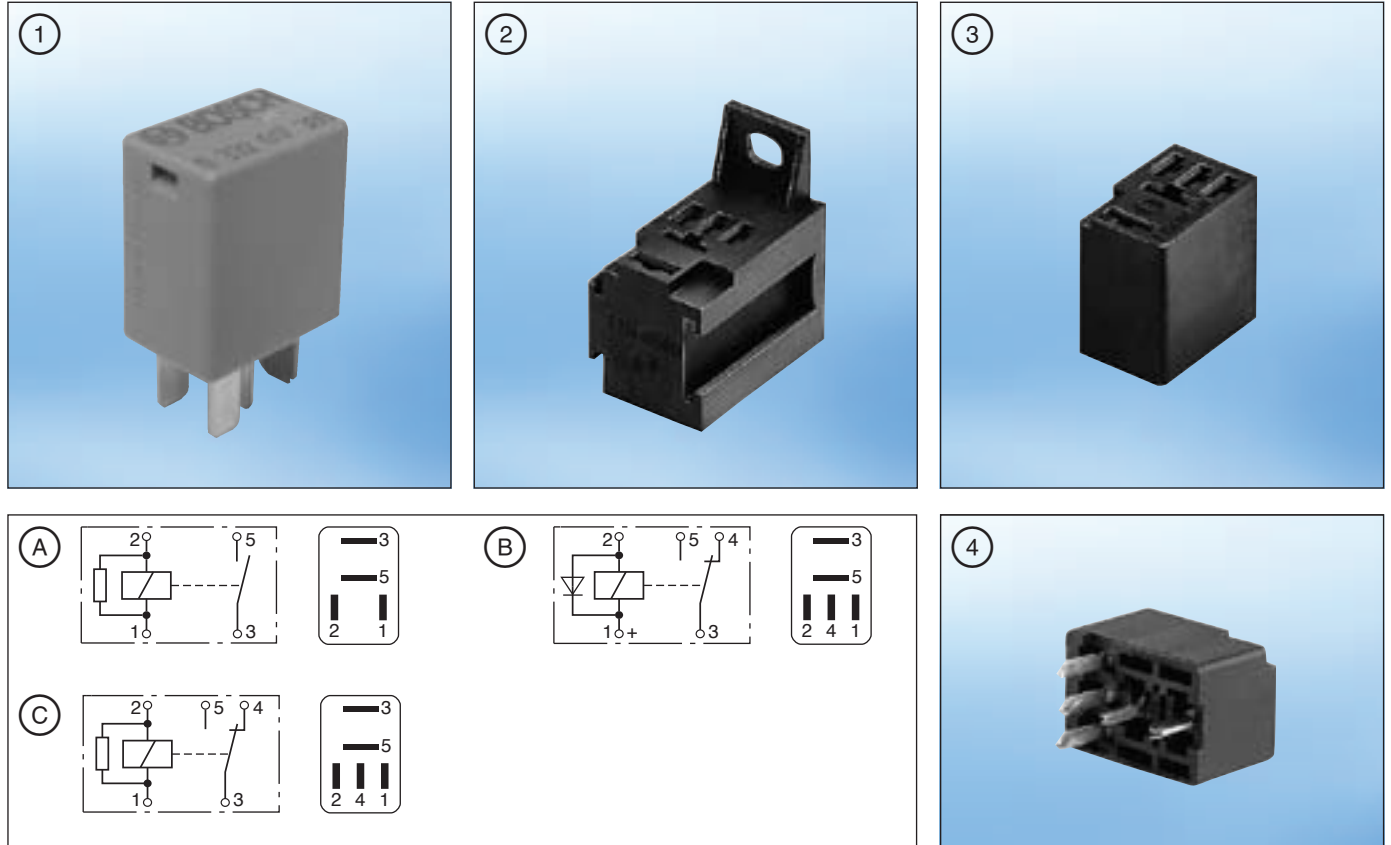
¹⁾ for single-circuit turn-signal systems only.



Micro-relays

Compact, and high making and/or breaking capacity

Note:
Please refer to relay
catalog 1 987 721 076.



Many loads can be switched with micro relays with a lower power than the customary 30 A mini-relays. The micro relays which can be loaded with a rated current of up to 20 A are compact and have a low power loss.

Terminal designation cross-reference

Micro-relay	Mini-relay	Recommended polarity
1	86	+
2	30	+
3	87a	
4	87	

Blade terminal sizes

Connections 1, 2, 4	4.8 x 0.8 mm
Connections 3, 5	6.3 x 0.8 mm

Rated voltage V	Rated switching current A	Mounting bracket	Fastening hole mm	Circuit diagram/ pin assignment	Fig.	Part number
NO-contact relays						
12	20	without	-	A	1	0 332 017 300

Change-over contact relays (can also be used as NC-contact relays)

12	30/10	without	-	C	1	0 332 201 107
	20/10	without	-	B	1	0 332 207 304
	10/5	without	-	B	1	0 332 207 402
24	10/5	without	-	C	2	0 332 207 405

Accessories (order separately)

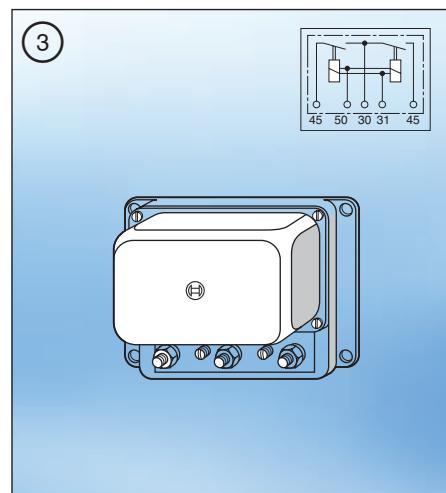
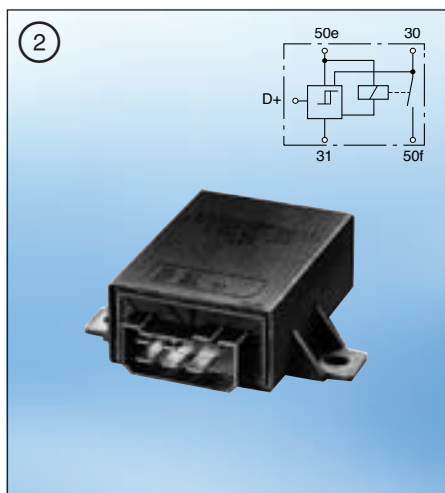
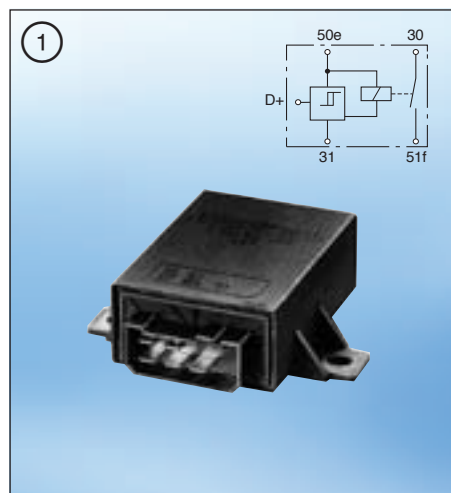
Socket housing

Version	Fastening hole mm	Fig.	Part number
Mounting bracket with hole	Ø 5.3	3	3 334 485 045
without mounting bracket	-	4	3 334 485 046
for soldering onto printed circuit board	-	5	3 334 485 049¹⁾

¹⁾ Note: When soldering, insert relays into the socket housing; the receptacles will then be adjusted to the correct position.

Relays for starters

For commercial vehicles, buses and assemblies of equipment.
Preferred for engines where starting cannot be heard.



1 Start-locking relay
Protects the starter, the pinion and the flywheel ring gear against overload.
Start-locking function:
– Switches off the starter when the engine starts to run on its own.
– Prevents actuation of the starter when the engine is running.
– Prevents actuation of the starter after the start command has been interrupted, until the starter and engine have stopped.
Fitting: vertical on a vibration-free wall, protected against water and dirt.

2 Start-locking/start-repeating relay
Start-locking function:
– Switches off the starter when the engine starts to run on its own.
– Prevents actuation of the starter when the engine is running.
– Prevents actuation of the starter after the start command has been interrupted, until the starter and engine have stopped.
Start-repeating function:
– Automatic repetition of the engagement process in the event of problems with starting, until the starter pinion engages.
Fitting: vertical on a vibration-free wall, protected against water and dirt.

5 Twin starting relays Application
Primary-current switch for parallel operation of two sliding-gear starter motors. Following pinion engagement on both starters, the twin starting relay switches on both primary current windings instantaneously.

Rated voltage	Type of current	Switching	Connection	Fastening	Dimensions	fig.	Part number
Rated current				mm	L x w x H mm		

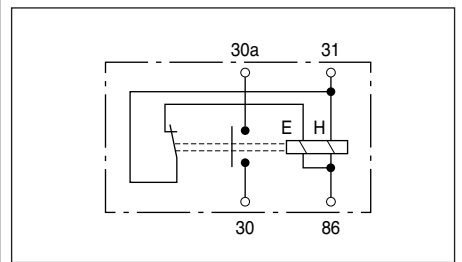
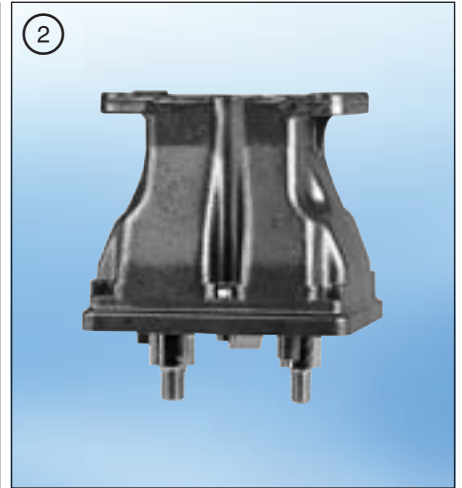
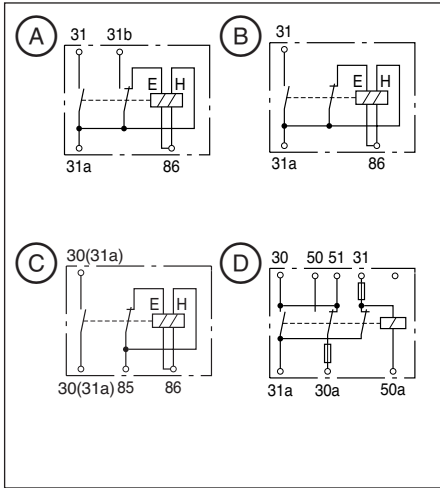
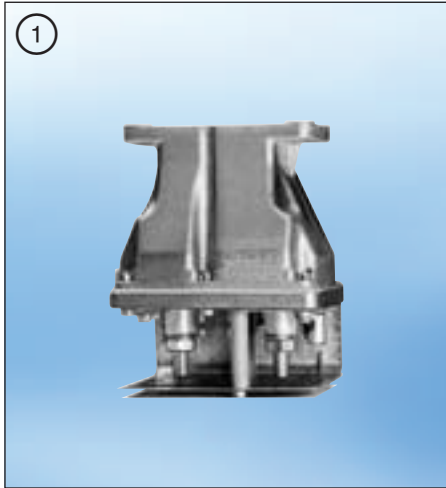
Start-locking relay							
24 V	AC	electronical	blade terminals	2x hole Ø 6.4	100 x 95 x 35	3 B	0 331 801 300

Start-locking/Start-repeating relay							
24 V*	AC	electronical	blade terminals	2x hole Ø 6.4	100 x 95 x 35	3 C	0 331 802 100

* Terminal 50f – max. 15 amps.

Dual starting relay							
24 V	DC	V	screws M8	4x hole Ø 8.4	232 x 180 x 45	5 E	0 333 500 001

Battery relays



1 Cutoff and switching relay, battery changeover relay

Design: open construction. With protective cover.
 Fitting: the terminals must point downwards.
 Fastening: 4 holes Ø 8.4 mm.
 Connection: screw terminals.
 Dimensions: 124 x 110 x 160 mm.

2 Cut-off and switching relay 24 V

Open construction: Without protective cover.

Fitting: Terminals must point downwards
 Fastening: 4 holes, Ø 8.4 mm.
 Connection: Screw terminals.
 Dimensions: 114 x 78 x 141 mm.
 Operating temperature range: -30...+100°C.

Data for excitation side
 Max. operating voltage: 30 V
 Response voltage: ≤ 16 V
 Dropout voltage: ≥ 0.5 V
 Max. make current (at rated voltage) ≤ 4.5 A
 Max. holding voltage (at rated voltage) ≤ 0.4 V
 Data for contacts side
 Permissible contact loading on terminal 30/30a.
 Current: ≤ 2,500 A
 Current-flow time: ≤ 1 s
 Repeat time: ≥ 60 s
 Continuous current: 200 A
 Voltage drop: ≤ 10 mV
 Test current: 10 A

0 333 301 015

Rated voltage V	Fig.	Switching poles	Circuit diagramm	Switching current		Part number
				continuous duty ¹⁾ A	short-time duty A	

Cutoff and switching relay for disconnecting battery voltage (ground cable)

12	①	2	A	60/200	2500 ²⁾	0 333 301 007
24	①	1	B	200	2500 ²⁾	0 333 301 009
			C	300	3500 ²⁾	0 333 301 010

¹⁾ max. 2 min, ²⁾ max. 1 s

Change-over relay for series and parallel connection of two 12 V systems with 24 V starter. For short-time duty.

12		2	D	75	1500 ³⁾	0 333 300 003
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³⁾ max. 5 s

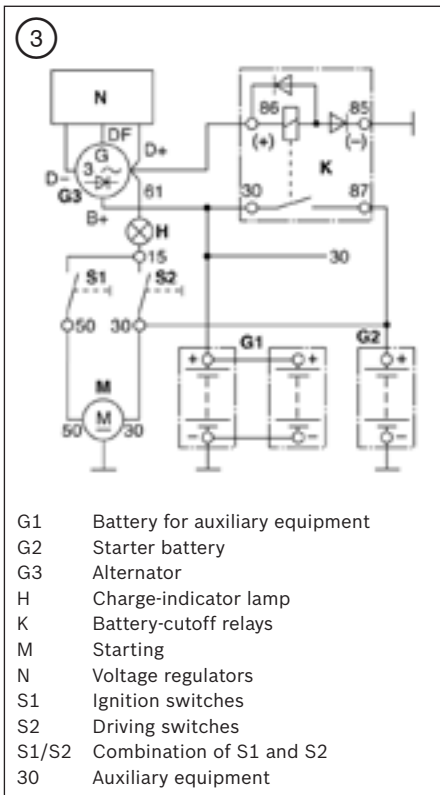
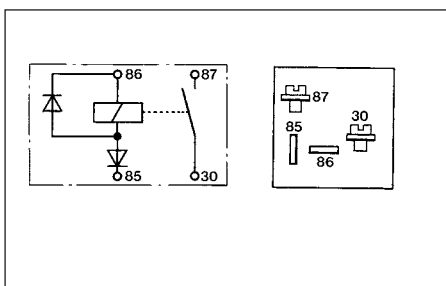
Cable dimensions

1A voltage drop in the control line (ignition switch terminal 86 of cutoff relay) must not exceed 0.5 V. The cable cross-section must be matched to the cable length.

Cable length up to	Cable cross-section
3.2 m	1.5 mm ²
5.3 m	2.5 mm ²
8.5 m	4 mm ²
13.0 m	6 mm ²

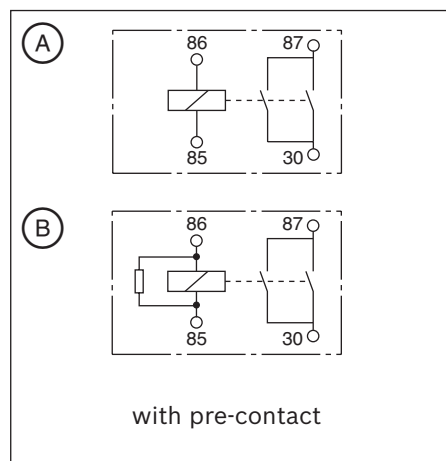
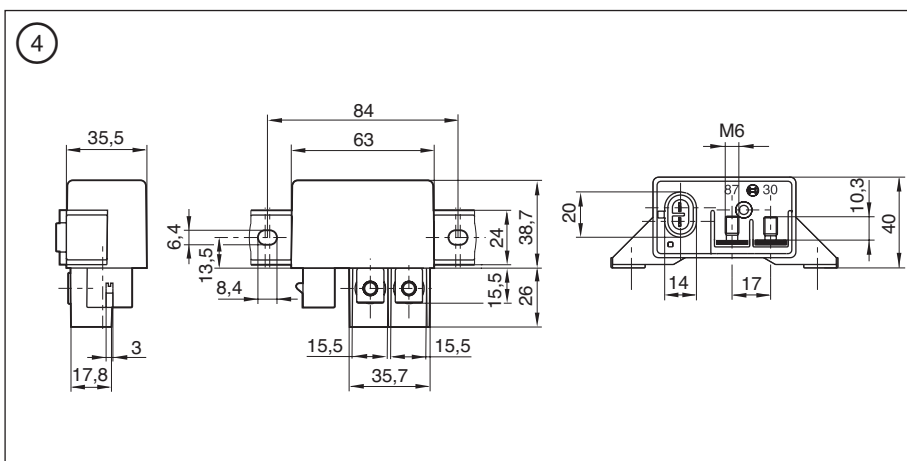
Note:

Battery relays should be installed as close to the batteries as possible, in order to keep the connection cables short.

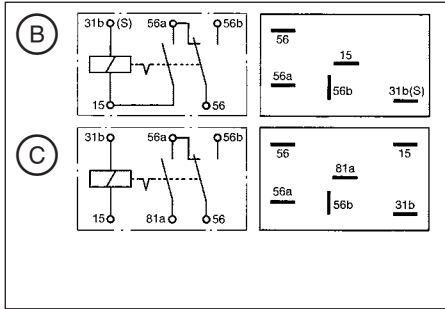
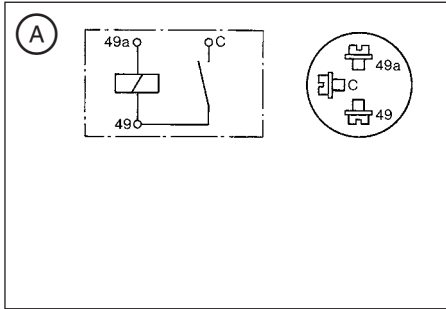


4 Normally open relay

Nominal voltage (switching and excitation circuit)	12 V
Permissible operating voltage	8–16 V
Permissible ambient temperature	-40...+100°C
Voltage drop at test current when new	< 100 mV/100 A
Voltage drop after specified no. of operations	< 200 mV/100 A
Degree of protection of housing / Terminals	IP 67
Response voltage	< 8 V
Release voltage	1,5–4 V
Overall resistance	46 ± 5
Circuit diagram	(A)
	0 332 002 351
As ...002 351, but overall resistance 42 ± 5, terminal diagram B	(B)
	0 332 002 352



Relays for headlamps and auxiliary lamps



1 Current relay for rotating beacon **12 V/24 V**

For switching rotating beacons on police, fire service, road maintenance vehicles, etc.
Fastening: hole diameter 6.4 mm.
Connection: blade terminals, screw terminals.

Ⓐ **Normally open relay**

12 V 70 W	0 332 400 002
24 V 70 W	0 332 400 003

2 Step-by-step relay (stepping relay) **up to 24 V**

For switching high/low beam, headlamp flasher and other loads.
Operation: switching relay with changeover contact (for high and low beams). Switching is carried out by a short current pulse. The NO contact (for headlamp flasher) closes only as long as the relay is energized.
Design: galvanized housing.
Connection: blade terminals 6.3 x 0.8 mm, pointing downwards.
Dimensions: 58 x 45 mm, height 72 mm, with mounting bracket, height 52 mm with clip.

Ⓢ **NO contact/changeover contact**

Fastening: mounting bracket, hole diameter 6.8 mm, center of hole to lower edge of relay 52 mm, without terminal 81a.

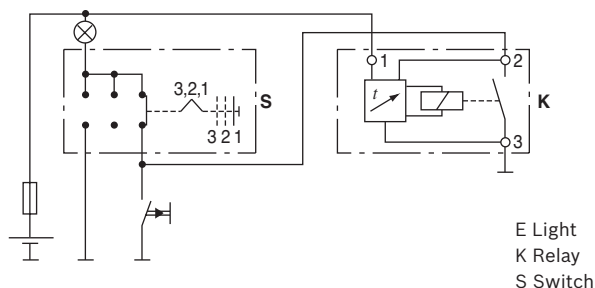
12 V 150 W	0 332 515 009
24 V 150 W	0 332 515 012

Ⓢ with terminal 81a, monostable; terminal 56, bistable.

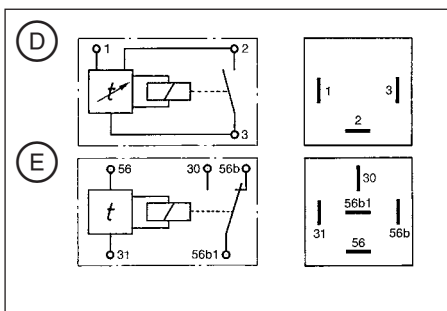
12 V 150 W	0 332 515 022
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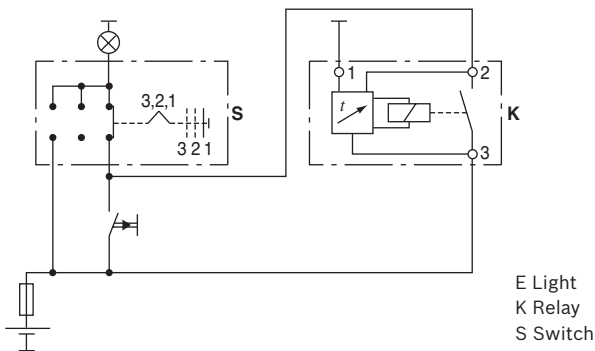
0 335 330 801 Application example 1



E Light
K Relay
S Switch



0 335 330 801 Application example 2



E Light
K Relay
S Switch

3 Easytronic time-lag relay (electronic time-lag relay) 12 V

Delayed switch-off of a load, e.g. interior lamp after getting into the vehicle or the low beam to illuminate the surroundings after leaving the vehicle.

Design: black polyamide housing, fiberglass reinforced.

Connection: blade terminals 6.3 x 0.8 mm.

Terminals point downwards.

Dimensions: 30 x 30 mm, height 60 mm.

ⓔ For interior lamp

12 V 50 W max. switching capacity, switch-off delay adjustable 3–30 s.

NO contact **0 335 330 801¹⁾**

ⓔ For low beam

12 V 150 W max. switching capacity, switch-off delay fixed 90 s.

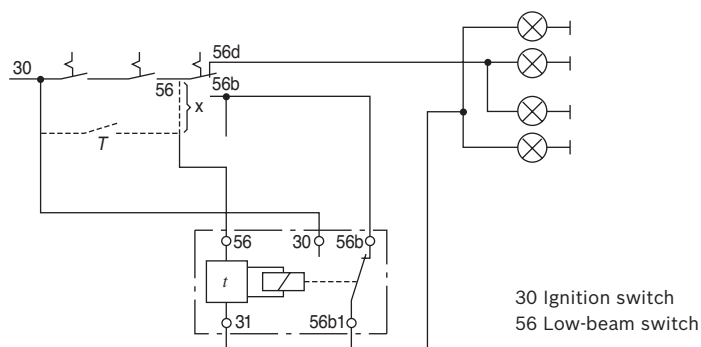
Change-over contact **0 335 330 802²⁾**

Installation instructions with possible circuits are enclosed.

¹⁾ 1 Relay, 1 universal holder, 3 blade receptacles.

²⁾ 1 Relay, 1 universal holder, 5 blade receptacles.

Application example



30 Ignition switch
56 Low-beam switch

X: When button "T" is connected, line "X" is dispensed with.

Power relays

For switching starters, automatic preheating systems, motors.
Equipment of forklift trucks and for controlling hydraulic units.

Rated voltage V	Fig.	Circuit diagram	Switching poles	Switching current		Switch function (main relay)			Connection		Dimensions L/W/H mm	Part number	
				S1 ¹⁾ A	S2 ²⁾ A	NC	NO	Change-over	Screw	Blade			
Power relay (some with preliminary contact, therefore less contact burn-off).													
Closed construction (polyamide housing); fastening 2 x Ø 5.3 mm.													
12	1	A	–	75	400		•		•	•	75 x 35 x 55	0 332 002 150 ³⁾	
	1	A	–	75	400		•		•	•	75 x 35 x 55	0 332 002 160 ³⁾ ⁵⁾	
	1	A	–	75	400		•		•	•	75 x 35 x 55	0 332 002 155	
24	7	B	–	50	120		•			•	43,5 x 34,5 x 32,5	0 986 332 080	
	1	A	–	50	200		•		•	•	75 x 35 x 55	0 332 002 250 ³⁾	
	1	A	–	50	200		•		•	•	75 x 35 x 55	0 332 002 255	
Power relay with parallel resistor (to suppress inductive interference-voltage peaks).													
Closed construction (polyamide housing); fastening 2 x Ø 5.3 mm.													
24	1	B	–	50	200		•		•	•	75 x 35 x 55	0 332 002 257	
Power relay, closed construction (metal housing); fastening 2 x Ø 5.3 mm.													
12	2	D	1	80	800		•		•	•	110 x 55 x 60	0 333 006 004	
	3	D	1	150	1000		•		•	•	104 x 56 x 57	0 333 009 004	
	3	D	1	150	1000		•		•	•	110 x 55 x 60	0 333 009 010 ⁶⁾	
24	2	D	1	80	800		•		•	•	110 x 55 x 60	0 333 006 006 ⁶⁾	
	2	F	1	100	500	•	•		•	•	110 x 55 x 60	0 333 006 008	
	4	C	2	100	500	•	•		•	•	95 x 50 x 52	0 333 006 017 ⁶⁾	
	4	E	2	100	800	•	•		•	•	105 x 50 x 55	0 333 006 010 ⁶⁾	
	3	D	1	150	1000		•		•	•	104 x 56 x 57	0 333 009 002	
	3	D	1	150	1000		•		•	•	104 x 56 x 57	0 333 009 005	
	3	D	1	150	1000		•		•	•	104 x 56 x 57	0 333 009 009 ⁶⁾	
	3	D	1	150	1000		•		•	•	106 x 56 x 57	0 333 009 011	
Power relay, closed construction (metal housing); fastening 2 x Ø 5.3 mm.													
24	5	I	2	250 (3 Min.)			• Single contact			•	•	87 x 62 x 102	0 333 007 002
	5	G	2	150	1000		• Twin contact			•	•	98 x 57 x 89	0 333 007 004 ⁴⁾
	6	H	1	230	1500			•	•	•	135 x 70 x 128	0 333 201 010	
80	6	D	1	230	1500		•		•	•	135 x 70 x 100	0 333 200 013	

Degrees of protection according to IEC 60529

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 00	no protection	no protection	no protection
IP 30	with tools etc. Thickness Ø > 2.5 mm	Ø > 2,5 mm	no protection
IP 33	with tools etc. Thickness Ø > 2.5 mm	Ø > 2,5 mm	Spraywater, at angles up 60° from the perpendicular
IP 53	complete	dust-protected	Spraywater, at angles up 60° from the perpendicular
IP 54	complete	dust-protected	Splashwater from all directions
IP 6K9K	complete	dust proof	High pressure/steam jet cleaning

¹⁾ S1 – Continuous duty

²⁾ S2 – Short-time duty (1 s)

³⁾ With preliminary contact

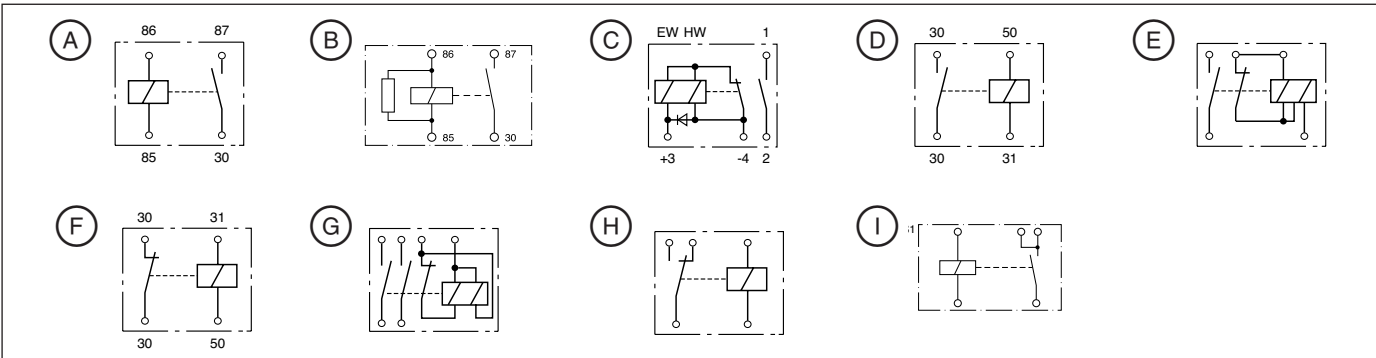
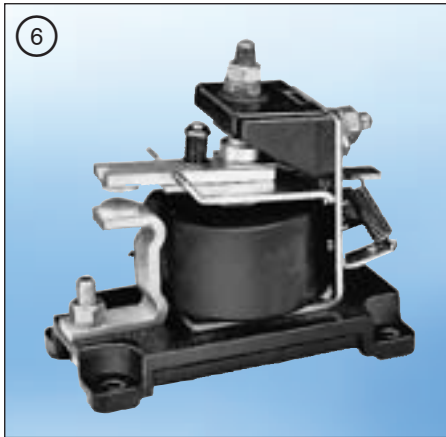
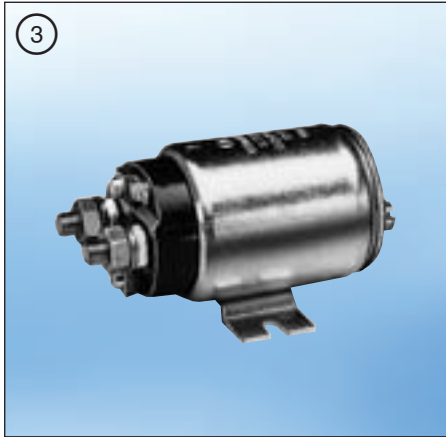
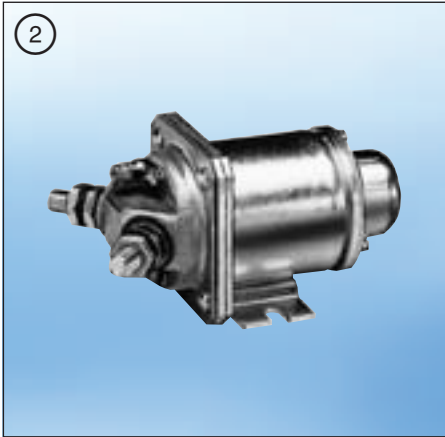
⁴⁾ Fitting position: long edge of baseplate vertical, max. inclination 10°

⁵⁾ Switch-on duration 25%, referred to 5 min., i.e. relay may be in operation for 1.25 mins max. A pause of 3.75 minutes must be maintained afterwards.

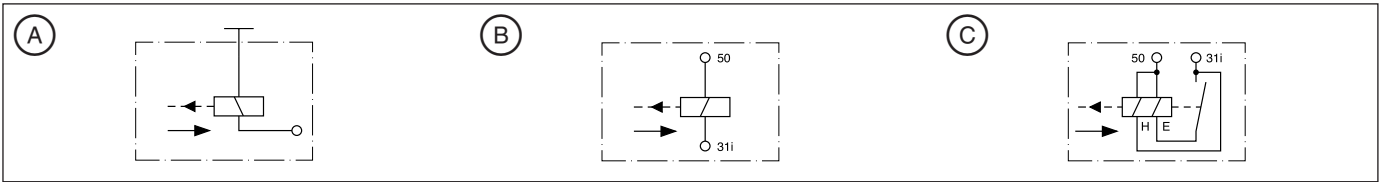
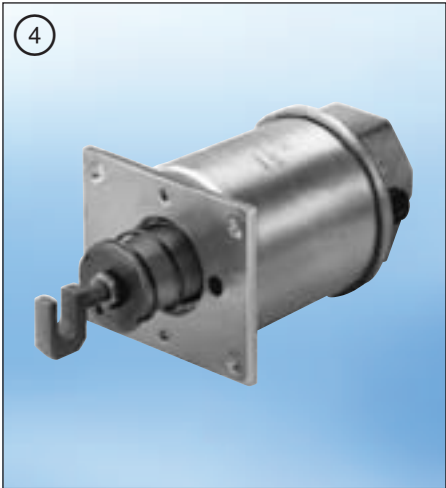
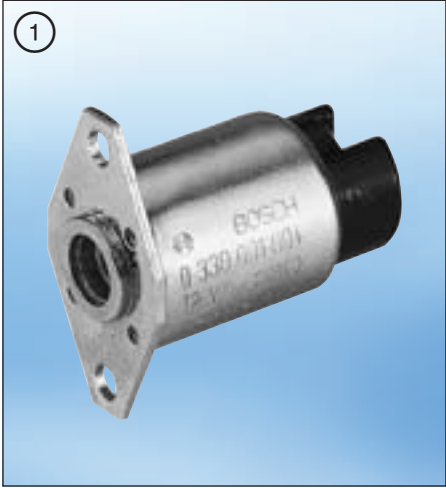
⁶⁾ Degree of protection

Relay	Housing	Terminals
0 333 006 006	IP 54	IP 00
0 333 006 010	IP 54	IP 00
0 333 006 015	IP 33	IP 00
0 333 006 017	IP 53	IP 00
0 333 009 003	IP 54	IP 00
0 333 009 009	IP 54	IP 00
0 333 009 010	IP 54	IP 00
0 333 009 008	IP 30	IP 00
0 333 009 017	IP 6K9K	IP 00

The connection terminals must not be exposed to water and dirt.
Power relays must be mounted with the terminals at the bottom.



Pulling electromagnets 12 V/24 V

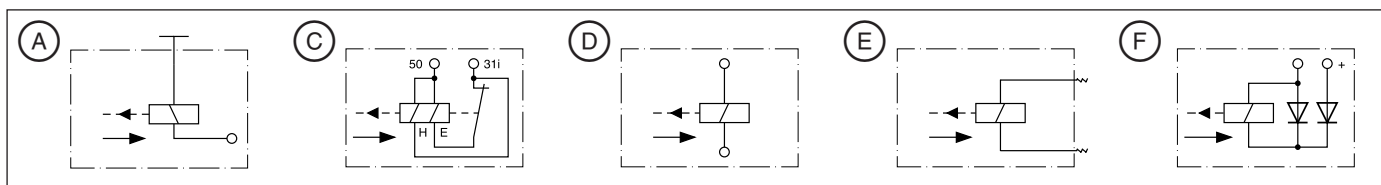
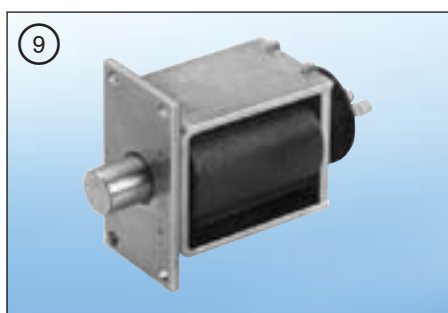
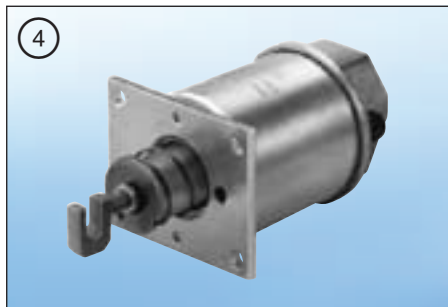
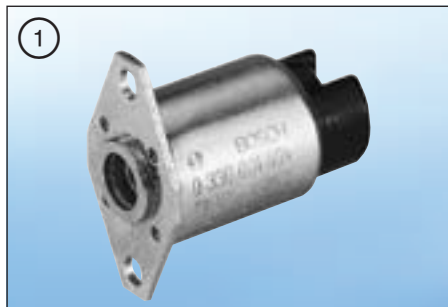


Nominal voltage	Working stroke	Nominal wattage ¹⁾	Operating mode ²⁾	Forces Working stroke ³⁾	Forces With armature pulled in ³⁾	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
12	4	69	Short-time duty	≤ 14	≤ 70	4±1	0.11	1	A	0 330 001 004
12	1.3	14	Contin. duty	13	15	2.3±0.5	0.103	2	A	0 330 001 020
12	1.3	≤ 21	Contin. duty	≥ 8	≥ 11	2.3±0.5	0.074	3	A	0 330 001 040
12	15.3	277	Short-time duty	≤ 95	≤ 200	4.5±0.5	1.11	4	B	0 330 003 002
12	15.3	960/12.5 ⁴⁾	Contin. duty	≤ 110	≤ 270		1.1	5	C	0 330 003 007

¹⁾ With armature pulled in.

²⁾ Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

³⁾ At nominal voltage and winding temperature 23±5°C.



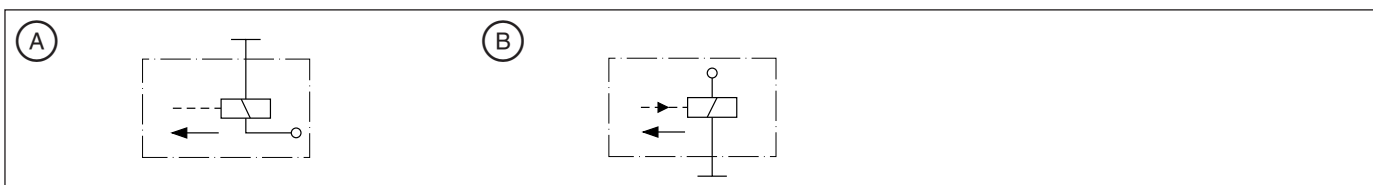
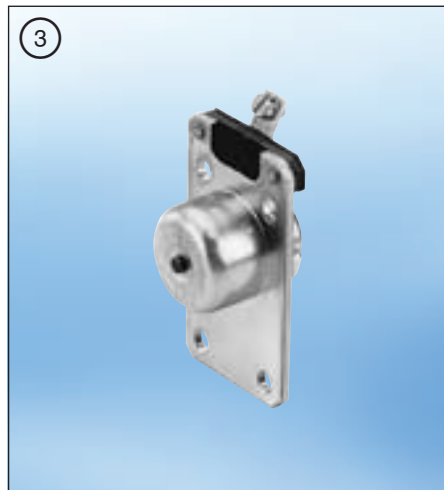
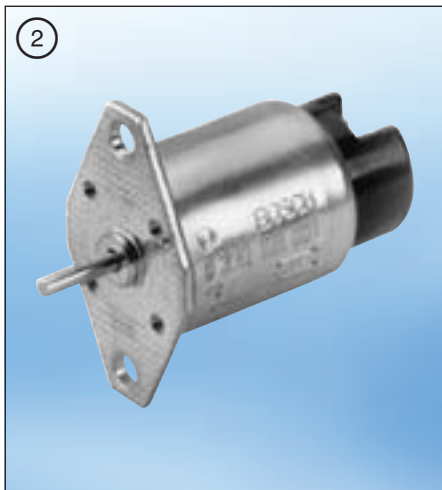
Nominal voltage	Working stroke	Nominal wattage ¹⁾	Operating mode ²⁾	Forces Working stroke ³⁾	Forces With armature pulled in ³⁾	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
24	4	75	Short-time duty	≤14	≤70	4±1	0.11	1	D	0 330 001 003
24	1.3	14	Contin. duty	13	15	2.3±0.5	0.103	2	A	0 330 001 021
24	1.3	≤21	Contin. duty	≤8	≤11	2.3±0.5	0.076	6	A	0 330 001 047
24	1.3	≤21	Contin. duty	≤8	≤11	2.2	0.094	7	E	0 330 001 048
24	15.3	274	Short-time duty	≤95	≤250	4.5±0.5	1.11	4	D	0 330 003 001
24	15.3	695/18 ⁴⁾	Contin. duty	≤55	≤350	5±1	1.18	4	C	0 330 003 003
24	6	50	Short-time duty	≤24	≤80	4±1	0.44	8	D	0 330 004 005
24	1.8	14	Contin. duty	≤16	≤V24	7.8±1	0.32	9	F	0 330 005 002

¹⁾ With armature pulled in.

²⁾ Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

³⁾ At nominal voltage and winding temperature 23±5 °C.

Pushing electromagnets 12 V/24 V

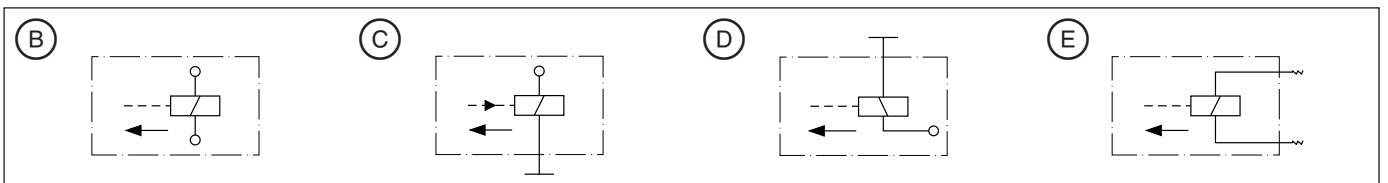
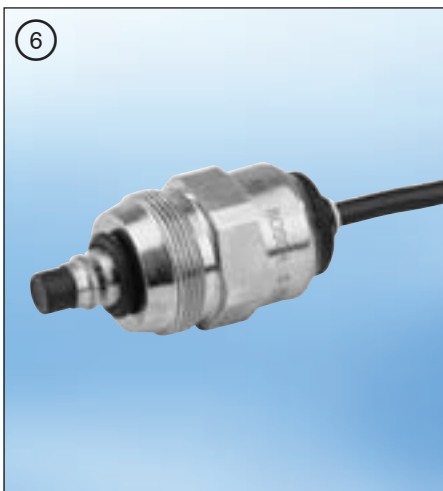
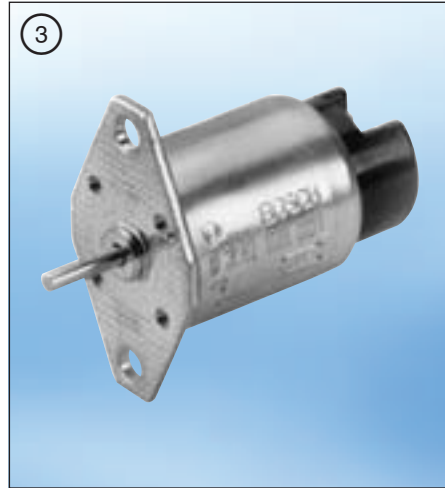


Nominal voltage	Working stroke	Nominal wattage ¹⁾	Operating mode ²⁾	Forces Working stroke ³⁾	Forces With armature pulled in ³⁾	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
12	7	137	Short-time duty	≤ 50	≤ 120		0.4	1	A	0 330 101 012
12	3	42.5	Short-time duty	≤ 12	≤ 60	0.9±0.2	0.14	2	B	0 330 106 001
12	2.6	42.5	Short-time duty	≤ 20	≤ 30		0.19	3	A	0 330 106 006
12	1	32	Short-time duty	≤ 12	≤ 12		0.088	4	A	0 330 106 010

¹⁾ With armature pulled in.

²⁾ Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

³⁾ At nominal voltage and winding temperature 23±5°C.



Nominal voltage	Working stroke	Nominal wattage ¹⁾	Operating mode ²⁾	Forces Working stroke ³⁾	Forces With armature pulled in ³⁾	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
24	4.8	26.7	Short-time duty	≤32	≤100		0.6	2	B	0 330 101 021
24	7	152	Short-time duty	≤50	≤120		0.4	2	B	0 330 101 026
24	3	48	Short-time duty	≤12	≤60	0.9±0.2	0.14	3	C	0 330 106 003
24	1	26	Short-time duty	≤11	≤11		0.088	5	D	0 330 106 012
24	1	26	Short-time duty	≤11	≤11		0.094	6	E	0 330 106 017

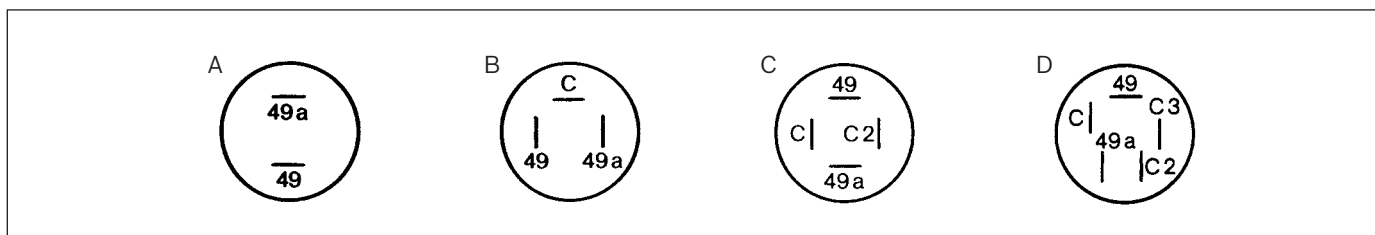
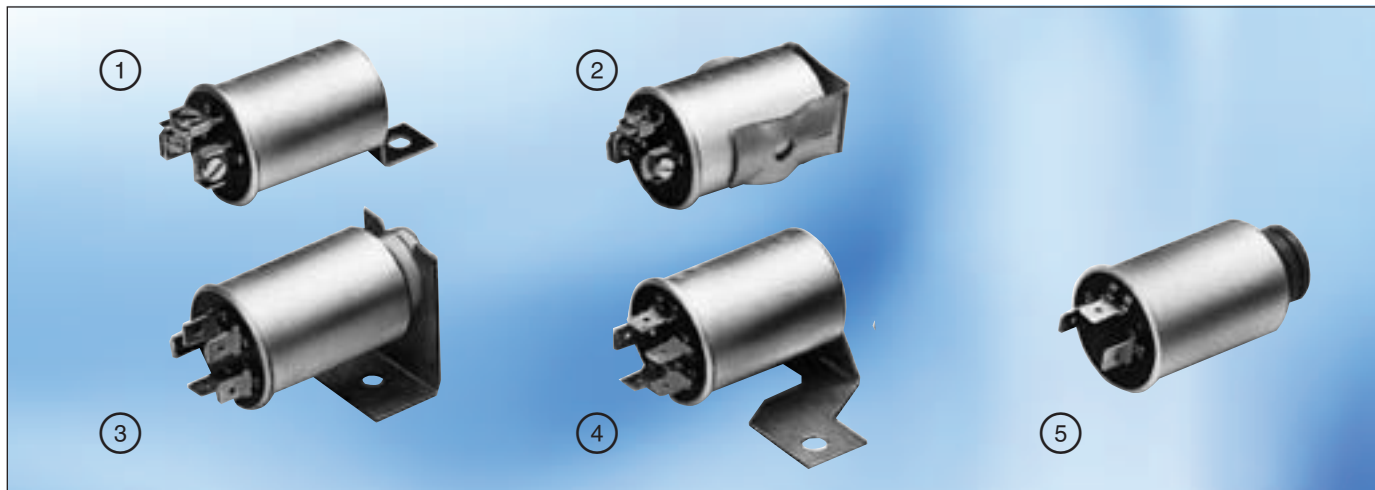
¹⁾ With armature pulled in.

²⁾ Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

³⁾ At nominal voltage and winding temperature 23±5°C.

Hot-wire flashers

Turn-signal flashing only



Load	Fastening	Connection	Fig.	Part number	Vehicle makes
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For passenger cars and motorcycles 6 V

For vehicles without trailer hitch

1 x 15 W or 18 W	Bracket at top, 1 hole Ø 6.4 mm	Screw	1 A	0 336 101 004	-
2 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ Blade	2 B	0 336 203 006	Henschel (-67), KHD (-71), Mercedes-Benz (-67)
2 x 21 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	5 B	0 336 206 003	Hercules, Kreidler, Zündapp

For passenger cars and motorcycles 12 V

For vehicles without trailer hitch

2 x 21 W	Slide-on clip with hole Ø 6.4 mm	Blade	2 B	0 336 206 004	-
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Load	Fastening	Connection	Fig.	Part number	Vehicle makes
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For commercial vehicles 12 V

For vehicles without trailer hitch

1 x 15 W or 18 W	Bracket at top, 1 hole Ø 6.4 mm	Screw	1 A	0 336 101 005	Volvo BM
2 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ blade	2 B	0 336 203 005	Epple-Buxbaumwerke, Irion, Steyr, Wartburg

For vehicles with trailer hitch

2+ 1 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ blade	2 C	0 336 200 049	Gutbrod, Hanomag-Henschel, KHD, MAN, Mercedes-Benz, Steyr, Volvo
2+ 1 x 21 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	3 C	0 336 207 006	Henschel, Mercedes-Benz, Steyr
1+1+ 1 x 18 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Screw	3 C	0 336 200 033	Hako, Schilter AG, Volvo BM
2+1+ 1 x 18 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	3 D	0 336 202 001	Deutz-Fahr, IH, John Deere, KHD, Lanz
2+1+ 1 x 21 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	3 D	0 336 208 001	Agria, Agrifull, FIAT, Huerlimann, IH, John Deere, Lamborghini, Same

For commercial vehicles 24 V

For vehicles without trailer hitch

2 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ blade	2 B	0 336 203 007	FIAT, UNIC
3 x 18 W	Bracket at top, 1 hole Ø 6.4 mm	Blade	1 B	0 336 200 047	FIAT, UNIC

For vehicles with trailer hitch

2+ 1 x 18 W	Slide-on clip with hole Ø 6.4 mm		2 C	0 336 200 051	FIAT, UNIC
2+ 1 x 21 W	Bracket at top, 1 hole Ø 6.4 mm	Blade	1 C	0 336 207 003	Mercedes-Benz (Portugal)
3+ 1 x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	Blade	4 C	0 336 207 011	Mercedes-Benz

Identification (Example)

of turn-signal-flasher load

2 + 1 + 1(8) x 21 W + 0-4 W

2	Number of turn-signal lamps per vehicle side on tractor vehicle
1	on first trailer
1	on second trailer
(8)	Total number of turn-signal lamps for hazard warning flashing (in brackets)
21 W	Power in watt per turn-signal lamp
0-4 W	Power in watt for indicator lamp or additional low power side turn-signal lamp if connected in parallel with main turn-signal lamps.

Turn-signal flasher

Thermally controlled electromagnetic flasher for turn-signal flashing only. The flasher is load-dependent; if the specified load is not observed, the flashing frequency changes.

Hazard-warning-signal flasher with switch

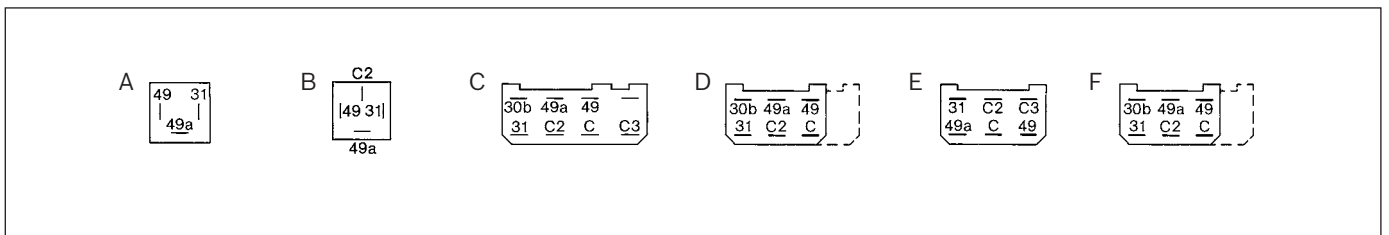
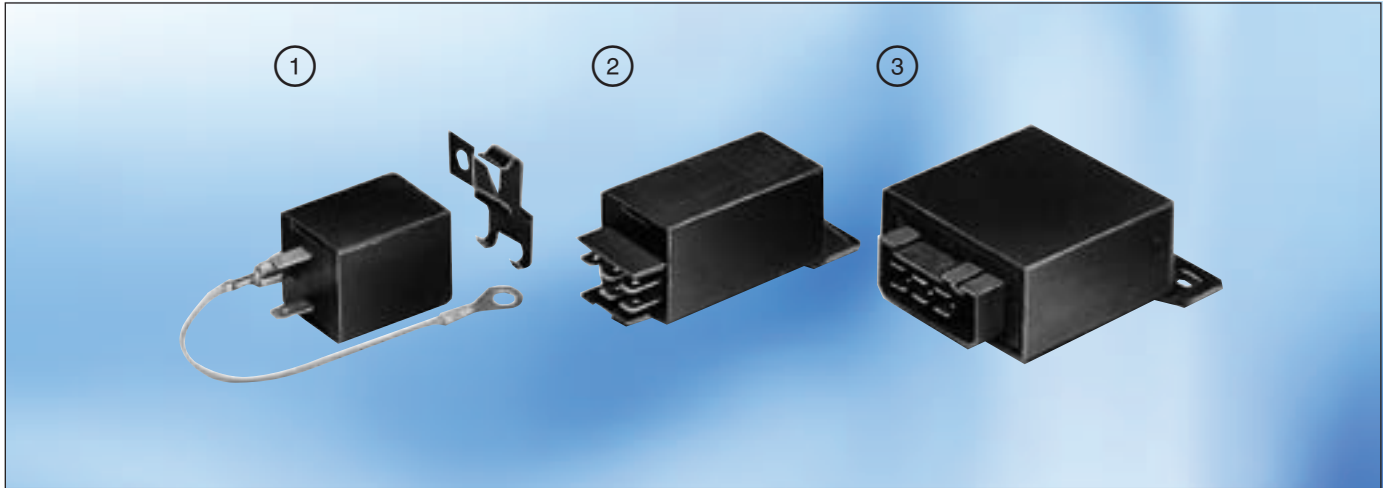
Thermally controlled electromagnetic flasher, only for hazard-warning flashing in single-circuit systems (circuit with turn signals at front and rear) or dual-circuit systems. (Circuit with turn-signal lamps at front and stop lamps at rear used for flashing).

Hazard-warning and turn-signal flasher

Electronic pulse generators for turn-signal and hazard-warning flashing, starting with on phase, with indicator lamp.

Electronic hazard-warning and turn-signal flashers

Turn-signal and hazard-warning flashing



Load	Fastening	Fig.	Part number	Vehicle makes ¹⁾
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For commercial vehicles 12 V

For vehicles without trailer hitch

2 (4)x 21 W+ 0-4 W	Haltekralle mit Loch-Ø 6,4 mm	1 A	0 335 200 038 ²⁾	Ford, Mercedes-Benz, Volvo, VW
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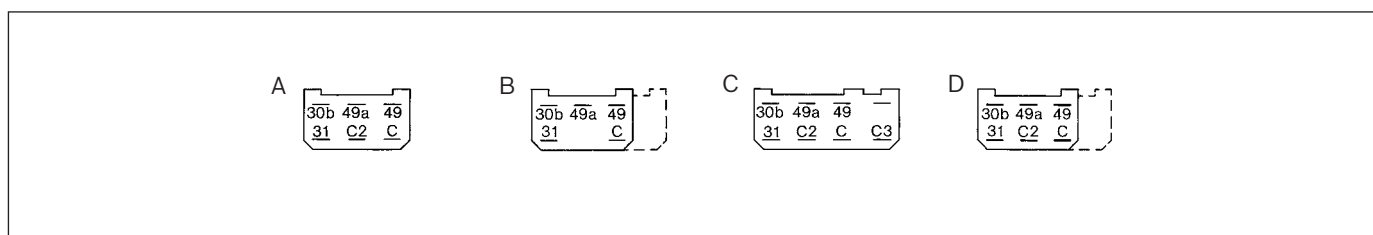
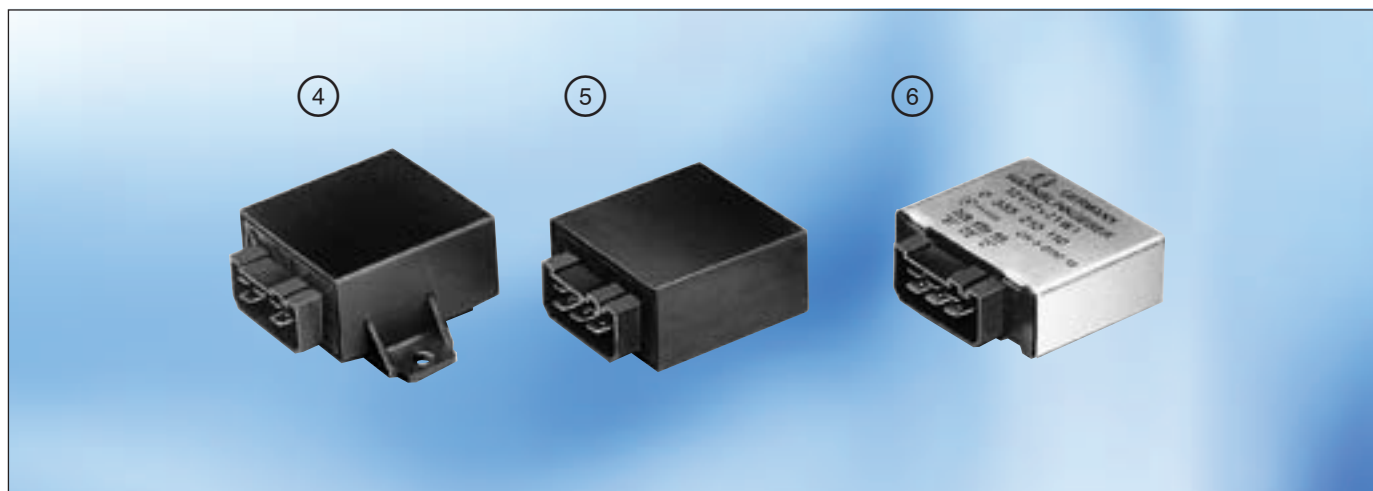
For vehicles with trailer hitch

2+ 1(6)x 21 W	Mounting claw with hole Ø 6.4 mm	1 B	0 335 200 041 ²⁾	Ford, Mercedes-Benz, Volvo, VW
	Bracket on both sides, 2 holes Ø 6.4 mm	4 F	0 335 210 143 0 335 210 148 ³⁾	IVECO, Magirus-Deutz, Mercedes-Benz, Volvo, DAF Mercedes-Benz
3+ 1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	0 335 210 153	-
2+1+ 1(8)x 18 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 C	0 335 210 063	-
2+1+ 1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 F	0 335 210 164 ³⁾	-
2+1+ 1(8)x 21 W+ 1,2-2 W	Bracket at top, 1 hole Ø 6.4 mm	3 E	0 335 200 160	Huerlimann, John Deere, Lamborghini, Same, Schilter, Steyr

¹⁾ See application recommendations for vehicle models

²⁾ Ground cable supplied

³⁾ Increased immunity to interference



Load	Fastening	Fig.	Part number	Vehicle makes ¹⁾
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For commercial vehicles 24 V

For vehicles without trailer hitch

2(4)x 21 W+	Bracket at top, 3 holes Ø 6.4 mm	3 B	0 335 215 113	MAN
2-4 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	0 335 215 114	VÖV-SGL-Busse
3(6)x 21 W+	Bracket at top, 3 holes Ø 6.4 mm	3 B	0 335 215 123	MAN
2-4 W				
4(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	0 335 215 133 ²⁾	MAN, Mercedes-Benz
4(8)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	0 335 215 134 ²⁾	MAN
2-4 W				

For vehicles with trailer hitch

2+1(6)x 18 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	0 335 215 043	MAN
2+1(6)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 A	0 335 215 143	DAF, Kässbohrer, MAN Mercedes-Benz, Steyr, Volvo
2+1(6)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	4 A	0 335 215 145 ³⁾	Mercedes-Benz
1,2-2 W				
2+1(6)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	6 D	0 335 215 144	Renault
5 W (10 W)				
3+1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	0 335 215 154	Berna, Faun, Kaelble, Saurer, Steyr
3+1(8)x 21 W+	on plug-in base	5 A	0 335 215 155	Steyr, Volvo
2-4 W				
2+1+1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 C	0 335 215 164 ³⁾	Mercedes-Benz

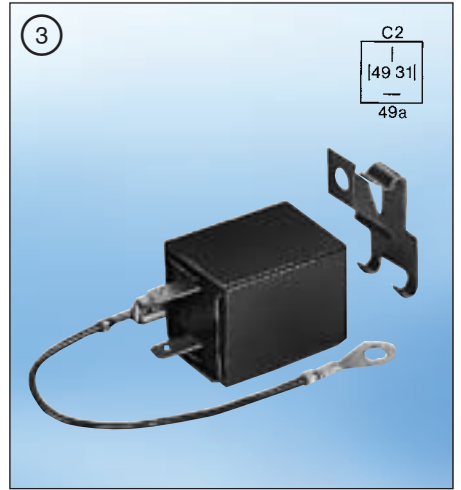
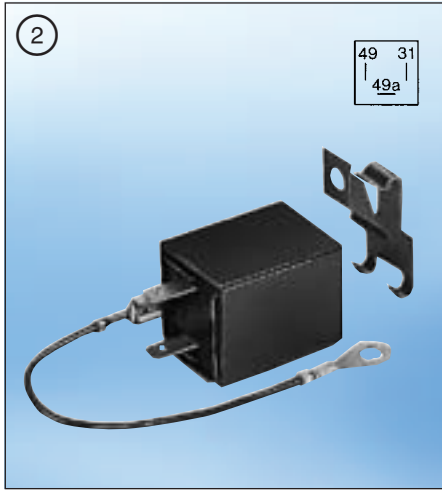
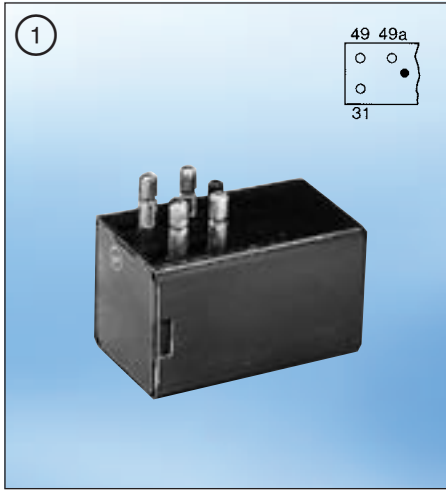
¹⁾ See application recommendations for vehicle models

²⁾ Ground cable supplied

³⁾ Increased immunity to interference

⁴⁾ With audible signal (ticker)

Electronic hazard-warning and turn-signal flashers (continued)



Load	Fastening	Fig.	Part number	Vehicle makes ¹⁾
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For passenger cars 12 V

For vehicles without trailer hitch

2(4) x 21 W + 2 W	on side of plug-in base	1	0 335 200 007	Mercedes-Benz
2(4) x 21 W + 0-4 W	Mounting claw with hole Ø 6.4 mm	2	0 335 200 038 ²⁾	Audi, BMW, Ford, Lada, Opel, Porsche, Vauxhall, Volvo, VW

For vehicles with trailer hitch

2+1(6)x 21 W	Mounting claw, 1 hole Ø 6.4 mm	3	0 335 200 041 ²⁾	Audi, BMW, Ford, Opel, Vauxhall, Volvo, VW
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¹⁾ See application recommendations for vehicle models

²⁾ Ground cable enclosed

Guaranteed full power. 100 % silicone ignition cables from Bosch.

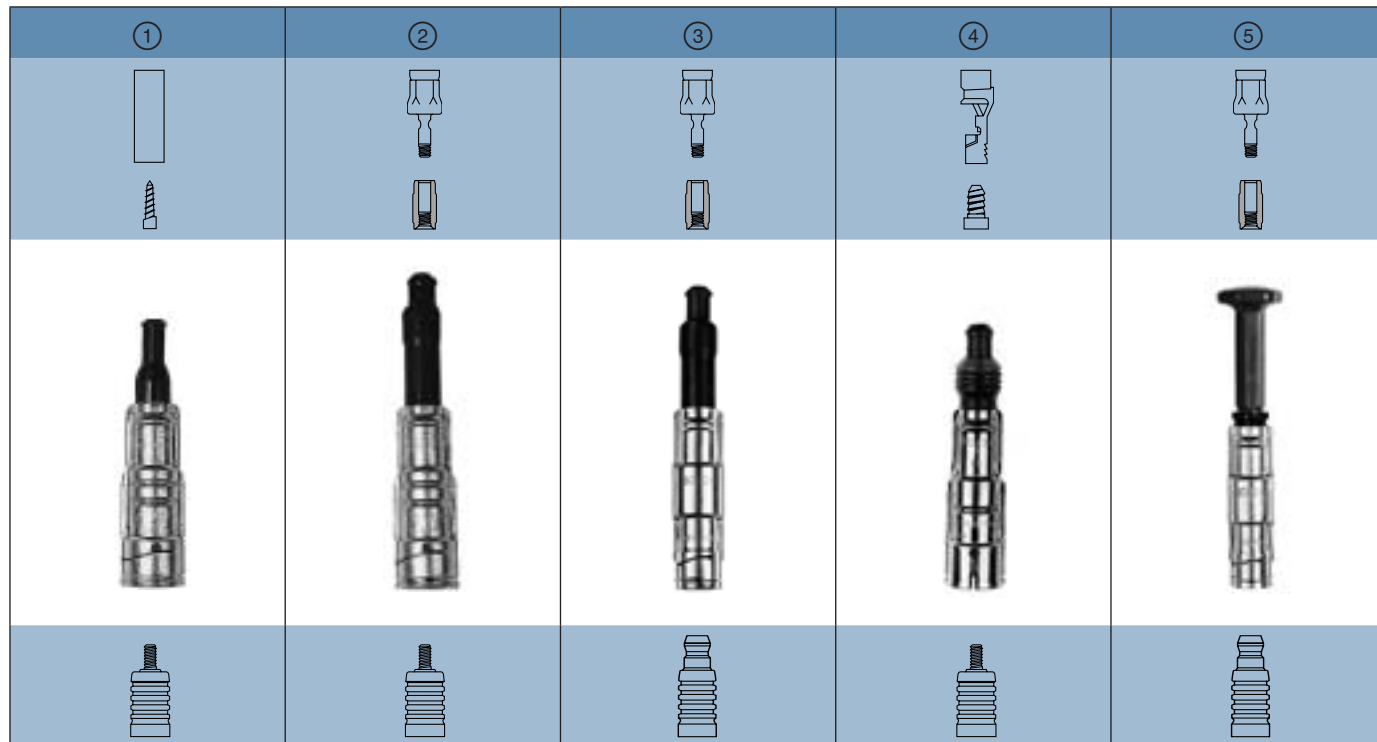


Greatly extended range featuring high-voltage ignition cables for a perfect fit

- ▶ Bosch original equipment quality
- ▶ Outer ignition cable insulation made of 100 % silicone, no PVC
- ▶ Resistant to extreme temperatures between -60 8C and above +200 8C
- ▶ Not susceptible to chemical and mechanical influences
- ▶ Outstanding interference suppression and insulation
- ▶ Protection of engine and catalytic converter

Spark-plug connectors

Interference-suppressed, partially screened



For ignition cable – 7 mm dia.

Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
1	Wood screw/ pin M4	21	105	1	UP/silicone	up to 120 °C	on both ends	0 356 301 022	Mercedes-Benz, general
2	Female thread M3/ pin M4	21	128	1	UP/silicone	up to 120 °C	on both ends	0 356 301 023	Mercedes-Benz, general
3	Female thread M3/ DIN (ISO)	16	130	1	UP/silicone	up to 150 °C	on both ends	0 356 301 028	Mercedes-Benz, general
4	Saw-tooth thread/ pin M4	21	118	5	UP/silicone	up to 150 °C	on both ends	0 356 301 036	Audi, VW, Volvo, general
5	Female thread M3/ DIN (ISO)	16	150	2	UP/silicone	up to 150 °C	plug end	0 356 351 053	Mercedes-Benz, general

¹⁾ Width across flats

²⁾ PF polyester, UP bakelite

Special accessories (please order separately)

Waterproof cap, cable end

for spark-plug connector 0 356 301 007

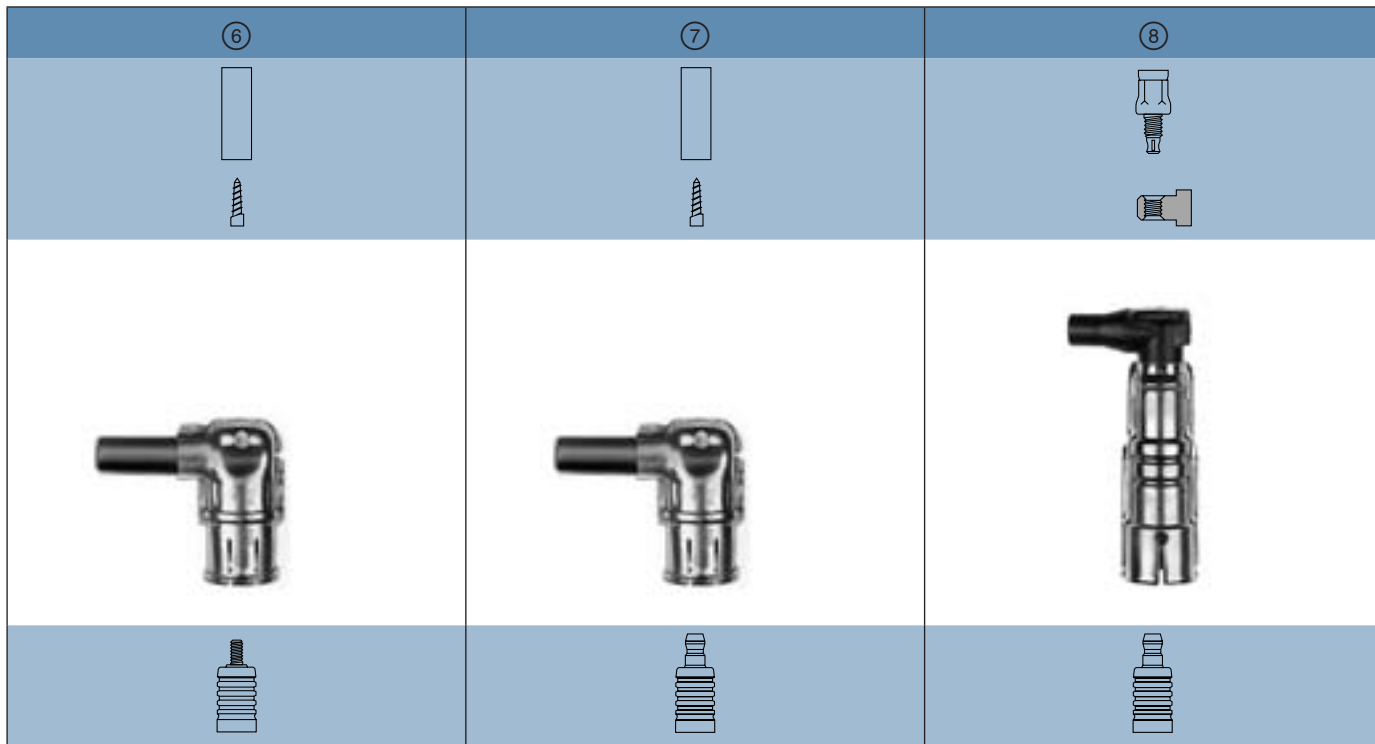
not shown **1 230 522 007**

Ignition-cable conductor barrels

with thread M3 **1 350 521 001**

with thread M4 **1 350 521 007**

for detent pin, permanent **1 350 390 086**



For ignition cable – 7 mm dia.

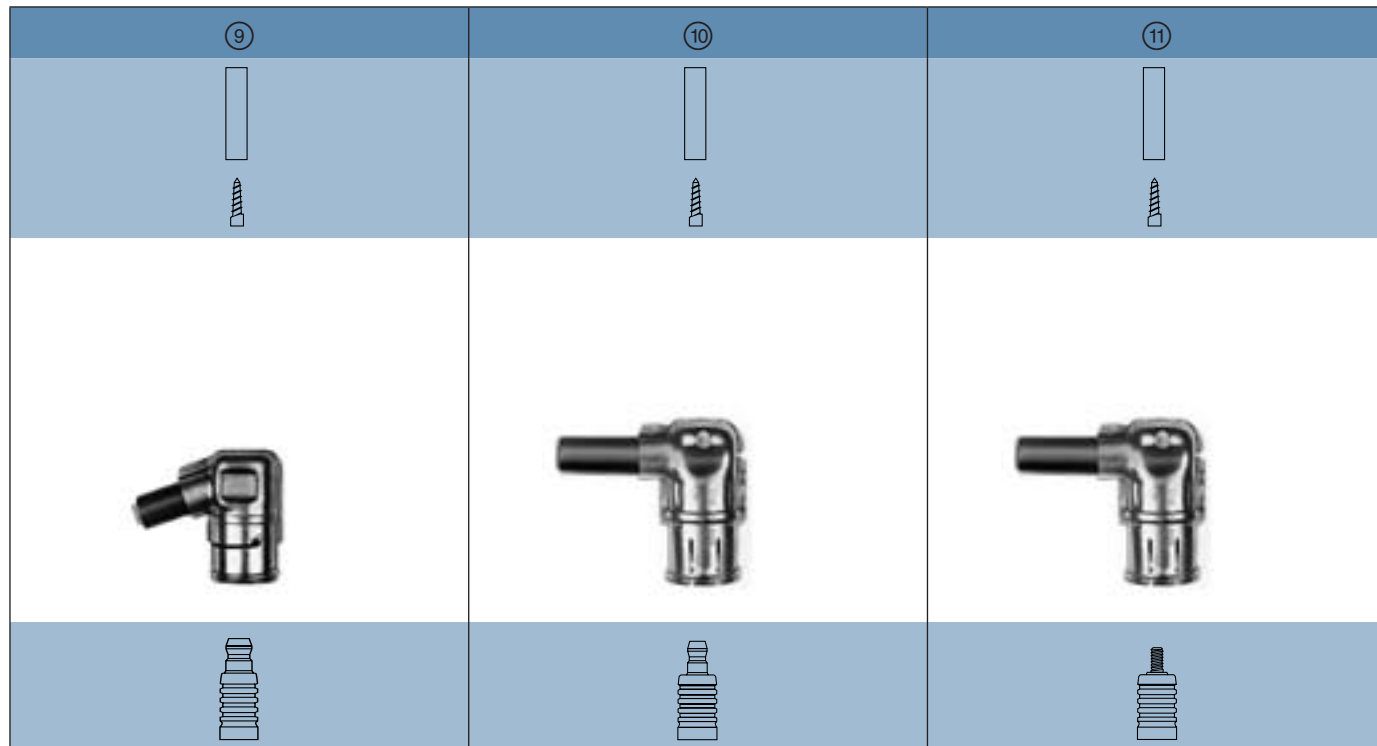
Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
6	Wood screw/ pin M4	21	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 031	Motorcycles, equipment
				5	UP	up to 120 °C	–	0 356 351 026	Small engines, equipment
		26	42/48	1	PF	plug end with sealing ring, up to 120 °C	–	0 356 351 028	Small engines, equipment
7	Wood screw/ DIN (ISO)	21	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 032	Small engines, equipment
				5	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 041	Piaggio, Vespa
		26	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 033	Small engines, equipment
8	Female thread M4/ DIN (ISO)	21	84/31	5	Silicone	up to 120 °C	on both ends	0 356 351 050⁴⁾	Alfa Romeo

¹⁾ Width across flats ²⁾ PF polyester, UP bakelite ³⁾ Up to middle of diameter, spark plug / cable side ⁴⁾ See special accessories

Bosch tip:

If ISO nut is unscrewed from the spark plug, use can also be made of spark-plug connectors for M4 thread and vice versa.

Spark-plug connectors (continued)
Interference-suppressed, partially screened



For ignition cable – 5 mm dia.

Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
9	Wood screw/ DIN (ISO)	19	36/44	1	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 037	Small engines (with WS/WSR spark plug)
10	Wood screw/ DIN (ISO)	21	42/48	1	UP	up to 120 °C	–	0 356 351 042	Motorcycles, stationary engines
11	Wood screw/ pin M4	21	42/48	1	UP	up to 120 °C	–	0 356 351 024	Motorcycles

¹⁾ Width across flats

²⁾ UP bakelite

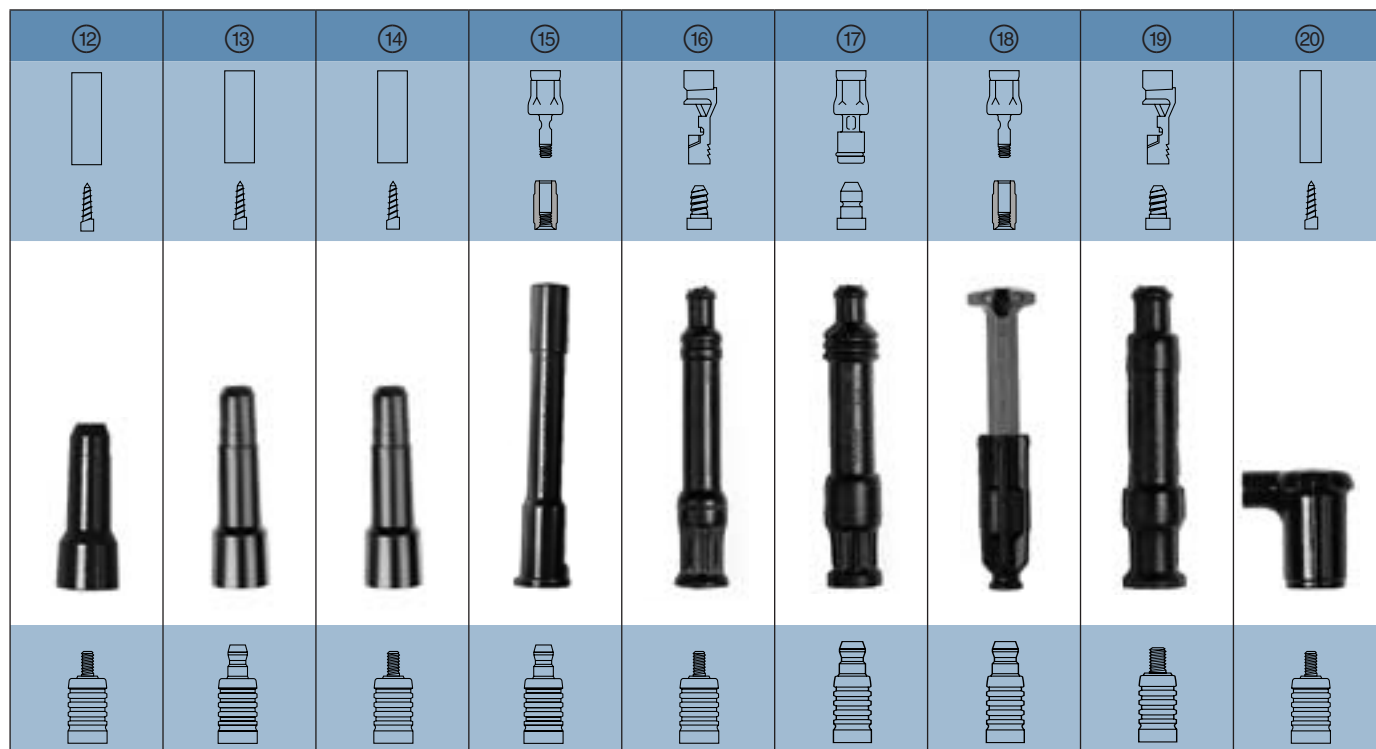
³⁾ Up to middle of diameter, spark plug / cable side

Special accessories (please order separately)

Ignition-cable conductor barrels

with thread M3	1 350 521 001
with thread M4	1 350 521 007
for detent pin, permanent	1 350 390 086

Spark-plug connectors Interference-suppressed



For ignition cable – 7 mm dia.

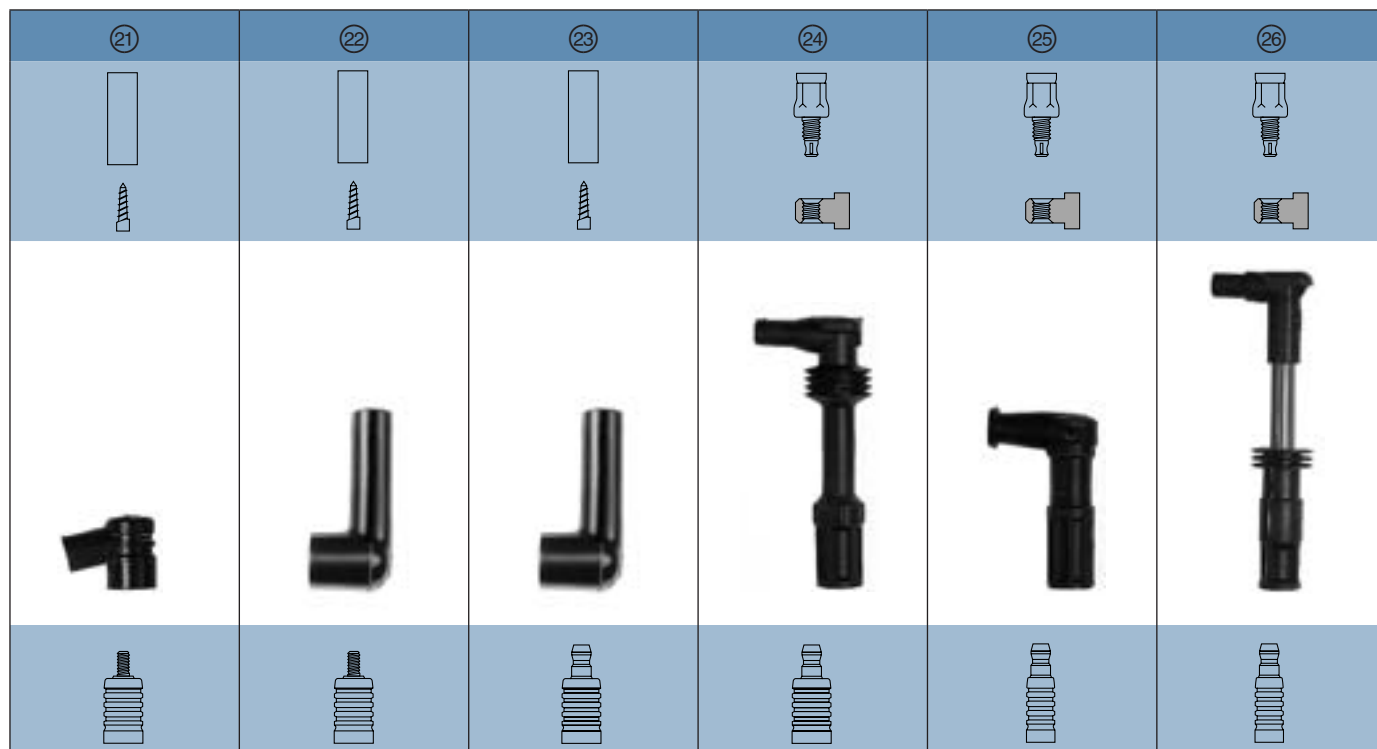
Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
12	Wood screw/ pin M4	21	52	–	PF	up to 120 °C	–	0 356 002 001	General
13	Wood screw/ DIN (ISO)	21	63	1	UP	up to 150 °C	–	0 356 100 021	General
				5	UP	up to 150 °C	–	0 356 100 006	Volvo, general
14	Wood screw/ pin M4	21	63	1	UP	up to 150 °C	–	0 356 100 014	Mercedes-Benz, VW, general
				5	UP	up to 150 °C	–	0 356 100 015	General
				109	1.4	UP	up to 150 °C	–	0 356 100 030
15	Female thread M3/ DIN (ISO)	21	129	1.4	UP	up to 150 °C	–	0 356 100 037	Alfa Romeo, general
16	Saw-tooth thread/ pin M4	21	120	5	UP/silicone	up to 150 °C	on both ends	0 356 100 040	BMW, general
17	Detent pin permanent DIN (ISO)	16	120	5	PPS/silicone	up to 230 °C	on both ends	0 356 100 041	BMW, general
18	Female thread M3/ DIN (ISO)	16	140	2	UP/silicone	up to 150 °C	plug end	0 356 150 022	Mercedes-Benz
19	Saw-tooth thread/ pin M4	16	101	5	UP/silicone	up to 150 °C	on both ends	1 354 489 110	Alfa Romeo, general
20	Wood screw/ pin M4	21	32/33	–	PF	up to 120 °C	–	0 356 050 001	General

¹⁾ Width across flat

²⁾ PF polyester, UP bakelite, PPS polyphenylene sulfide

³⁾ Up to middle of diameter, spark plug / cable side

Spark-plug connectors (continued)
Interference-suppressed



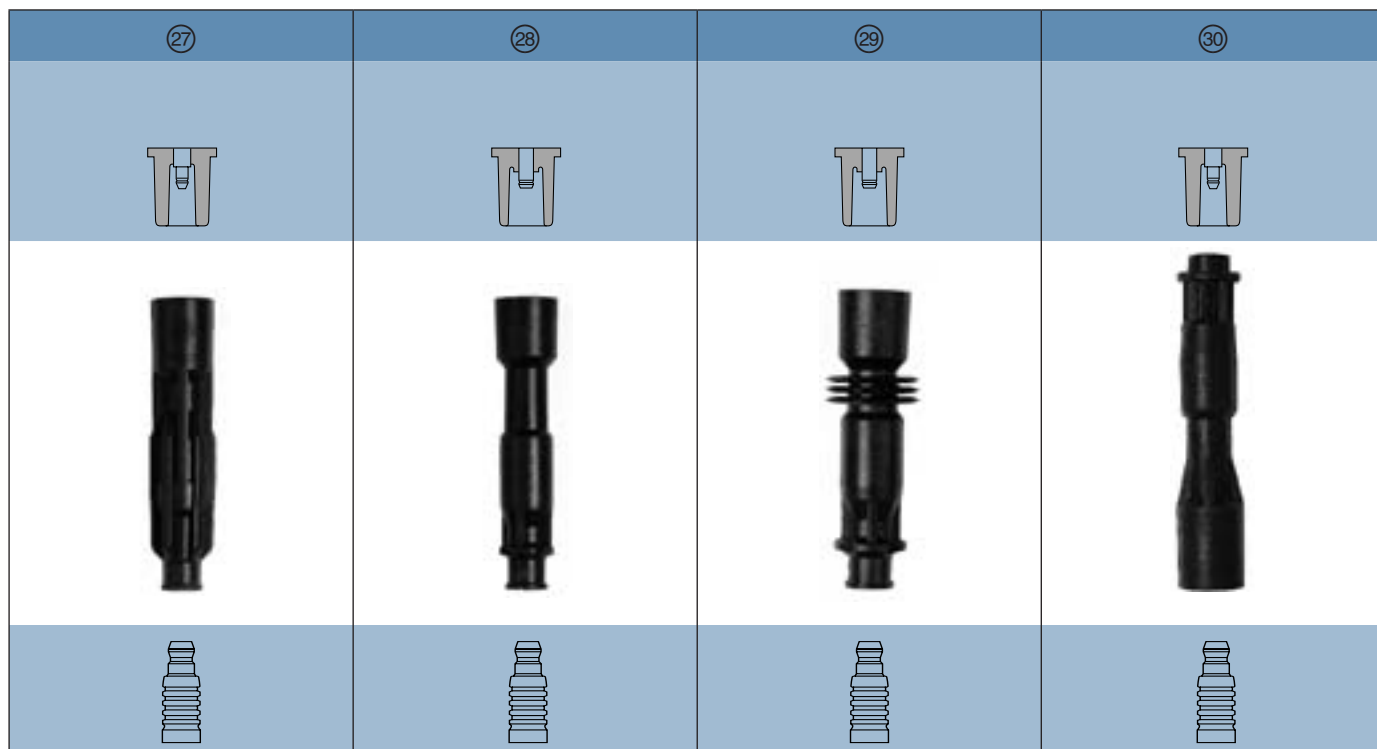
For ignition cable – 7 mm dia.

Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
21	Wood screw/ pin M4	21	24/23	-	Silicone	up to 200 °C	on both ends	0 356 050 010	Small engines
						like ..010, but with for ignition cable 5 mm dia.	on both ends	0 356 050 009	
22	Wood screw/ pin M4	21	50/21	1.4	PF	up to 120 °C	-	0 356 150 005	General
23	Wood screw/ DIN (ISO)	21	50/21	1.4	PF	up to 120 °C	-	0 356 150 007	General
24	Female thread M4/DIN (ISO)	21	111/36	1.4	Silicone	up to 200 °C	on both ends	0 356 150 021	Alfa Romeo
25	Female thread M4/DIN (ISO)	16	67/35	5	UP/silicone	up to 150 °C	on both ends	1 354 489 095	Fiat
26	Female thread M4/DIN (ISO)	16	149/35	2	UP/silicone	up to 150 °C	on both ends	1 354 490 019	Alfa Romeo

¹⁾ Width across flats ²⁾ PF polyester, UP bakelite ³⁾ Up to middle of diameter, spark plug / cable side

Special accessories (please order separately)

Ignition-cable conductor barrels	
with thread M3	1 350 521 001
with thread M4	1 350 521 007
for detent pin, permanent	1 350 390 086



Plug connectors for installation between ignition-module coil and spark plug

Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance k Ω	Material ²⁾	Characteristics	Splash guards	Part number	Application
27	Detent pin 4 mm dia./ DIN (ISO)	16	114	2	UP/silicone	up to 150 °C	on both ends	0 356 100 100	Mercedes-Benz
28	Detent pin 5 mm dia./ DIN (ISO)	16	109	2	UP/silicone	up to 150 °C	on both ends	0 356 100 104	Audi
29	Detent pin 5 mm dia./ DIN (ISO)	16	100	2	UP/silicone	up to 150 °C	on both ends	0 356 100 107	Alfa Romeo
30	Detent pin 4 mm dia./ DIN (ISO)	16	121	1	UP/silicone	up to 150 °C	on both ends	1 354 489 085	BMW

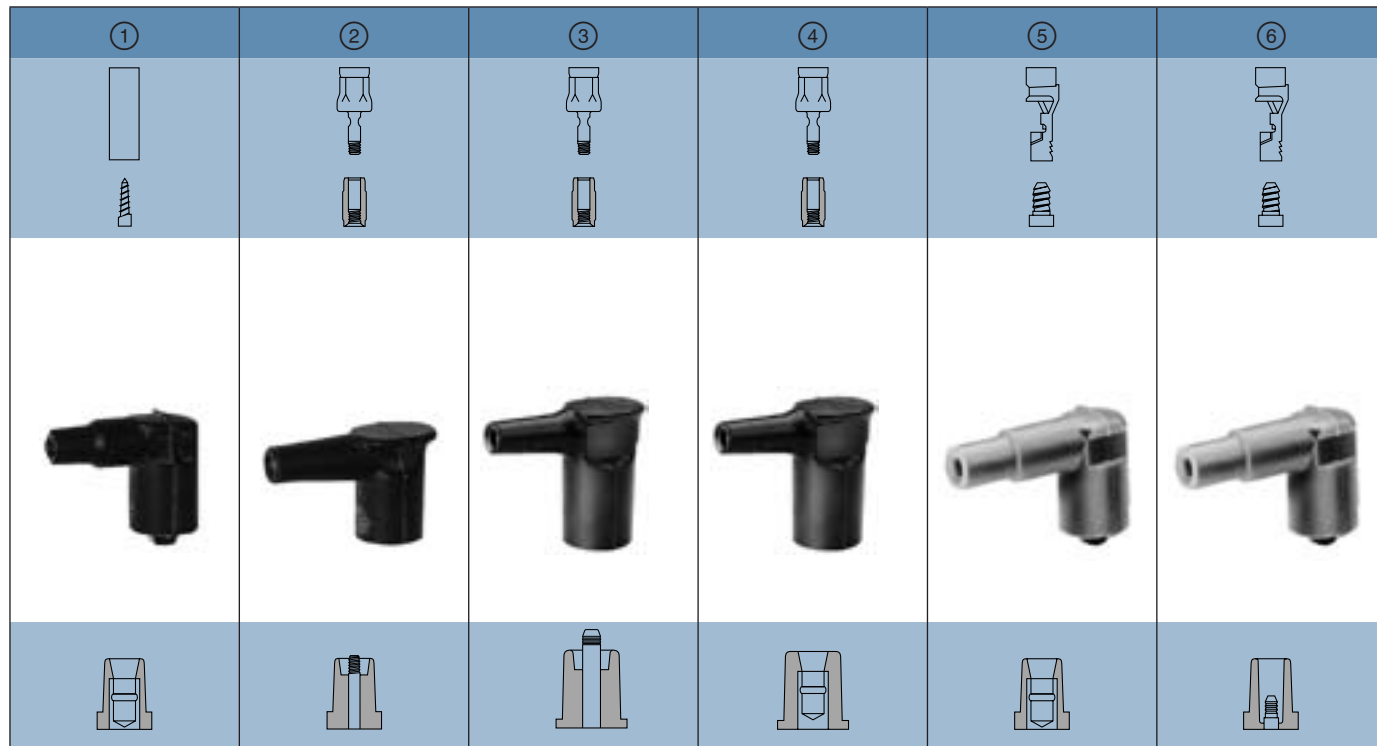
¹⁾ Width across flats

²⁾ UP bakelite

³⁾ Up to middle of diameter, spark plug / cable side

Ignition-coil connectors/Ignition-distributor connectors

Interference-suppressed



For ignition cable – 7 mm dia.

Fig.	Connections cable end/ignition coil, ign. distributor	Length ¹⁾ mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
1	Wood screw/ DIN (ISO)	30/23	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 250 019	Audi, BMW, VW, general
2	Female thread M3/pin M4	24/37	–	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 250 024	Mercedes-Benz
3	Female thread M3/detent pin 6.4 mm dia.	37/37	–	Silicone	for 30 kV domes, up to 120 °C	on both ends	0 356 250 027	Mercedes-Benz, Porsche
4	Female thread M3/DIN (ISO)	42/37	–	Silicone	for 30 kV domes, up to 120 °C	on both ends	0 356 250 029	Mercedes-Benz, Porsche
5	Saw-tooth thread/ DIN (ISO)	30/41	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 250 031	Audi, BMW, VW
6	Saw-tooth thread/ detent pin 4 mm dia.	29/41	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 250 033	Alfa Romeo, Audi, BMW, VW

¹⁾ Up to middle of diameter on each connector side

Special accessories (please order separately)

Ignition-cable conductor barrels

with thread M3	1 350 521 001
with thread M4	1 350 521 007
for detent pin, permanent	1 350 390 086



For ignition cable – 7 mm dia.

Fig.	Connections cable end/ignition coil, ign. distributor	Length ¹⁾ mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
7	Saw-tooth thread/ detent pin 4 mm dia.	33/53	1	Silicone	for 30 kV domes, up to 120°C	on both ends	0 356 250 034	Alfa Romeo, Audi
8	Female thread M3/ detent pin 4 mm dia.	43/38	1	Silicone	for 30 kV domes, up to 120°C	on both ends	0 356 250 035	Mercedes-Benz
9	Detent pin permanent/ detent pin 4 mm dia.	33/53	1	Silicone	for 30 kV domes, up to 120°C	on both ends	1 354 503 301	BMW
10	Wood screw/ DIN (ISO)	54	1	PVC	for 27 kV domes, up to 120°C	on both ends	0 356 200 006	VW, general

¹⁾ Up to middle of diameter on each connector side

Ignition-coil connectors/Ignition-distributor connectors (continued)
Interference-suppressed



For ignition cable – 7 mm dia.

Fig.	Connections cable end/ignition coil, ign. distributor	Length ¹⁾ mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
11	Wood screw/ DIN (ISO)	54	1	CR	for 27 kV domes, for low-lying Opel sockets, up to 120°C	on both ends	0 356 200 009	Opel
12	Saw-tooth thread/ detent pin 4 mm dia.	68	1	Silicone	for 27 kV domes, up to 120°C	on both ends	0 356 200 013	Audi, VW, general
13	Saw-tooth thread/ detent pin 4 mm dia.	81	1	Silicone	for 30 kV domes, up to 120°C	on both ends	0 356 200 014	Alfa Romeo, Audi
14	Female thread M3/ detent pin 4 mm dia.	73	–	Silicone	for 30 kV domes, up to 120°C	on both ends	0 356 200 015	Mercedes-Benz
15	Detent pin permanent/ detent pin 4 mm dia.	85	1	Silicone	for 30 kV domes, up to 120°C	on both ends	1 354 503 300	BMW

¹⁾ CR neoprene

Special accessories (please order separately)

Ignition-cable conductor barrels	
with thread M3	1 350 521 001
with thread M4	1 350 521 007
for detent pin, permanent	1 350 390 086

Accessories

Protective cap to guard against dirt and moisture



Protective cap for spark-plug end

For straight and angled (interference- suppressed) spark-plug connectors 0 356 100.. 0 356 150..	Silicone rubber	-60...+200 °C	-	2	3 350 524 001
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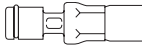
Copper-core ignition cables, unshielded

① ... ③ By the meter

Fig.	Ignition cable dia. mm	Conductor cross-section mm ²	Version	Part number 50 m in cardboard box
1	5	1	Black PVC	6 181 190 100
	7	1	Black PVC	6 181 090 100
2	7	1	Black/Hypalon, low capacity, heat-resistant to 150 °C	6 180 190 100
3	7	1	Transparent PVC	6 181 001 100
			Black silicone	5 956 569 015
			Red silicone	5 956 563 015

Ignition-cable conductor barrels

For Ø 7 mm ignition cables, conductor cross-section 0.5...1 mm².
The connection hardware between plug and ignition cable is packed in plastic boxes.

Connection Fig.	Qty. per pack	Part number
M3 	50	1 350 521 001
M4 	50	1 350 521 007
For ratched pin, permanent 	50	1 350 390 086

Insulating grease

Color: White
Melting point: 320 °C
Properties: wax-type, odorless, improvement of the insulating properties at secondary-sides connections of the ignition system, prevention of head sparkover at spark plugs.
Application: Spark-plug connectors, interference-suppressed, protective caps, distributor caps and the like.

EC safety data sheet:	1 987 123 010
45 ml tube	1 987 123 010



Anti-rodent conduit

For all vehicles with exposed ignition cables. 2-piece black plastic conduit with longitudinal slit for retrofitting to provide mechanical anti-rodent protection for ignition cables.

Available: By the meter, 50 m

1 987 352 020

- ▶ Reliable prevention of rodent damage to ignition cables
- ▶ Protection of catalytic converter
- ▶ Lasting solution
- ▶ Uncomplicated retrofitting

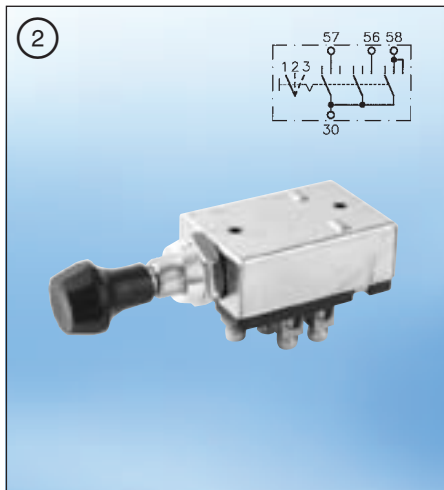
Vehicle heaters

For with water-cooled engines vehicles



① **Water cock for pipe connection**
(Quantity required: 2)

1 147 415 000



② **Pull switch, multi-position switch. Ivory-colored switch knob.**

Load: 100 W 24 V.

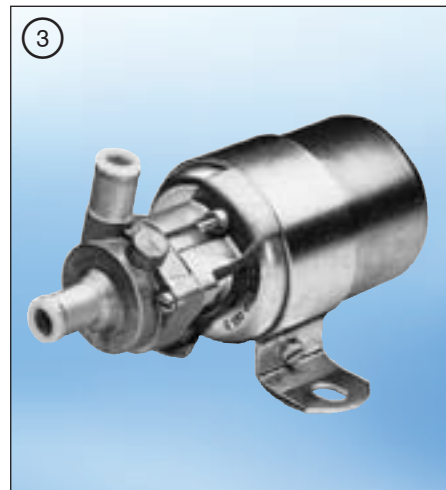
Switch positions: 1 off, 2 blower stage I, 3 blower stage II.

Fastening: With M 10 x 1 round nut.

Installation: Ø 10.5 mm. Wall thickness up to 2 mm.

Connection: screw terminals.

0 986 340 120



③ **Electric water pump**
(without fastening materials)

Application for heating systems in construction machines etc. with thermosiphon cooling. Water connection Ø 14 mm.

24 V

0 392 020 027

Fastening materials

for electric water pump

Spring washer Ø 5 mm

2 916 699 131

Hexagon nut M 5

2 915 011 006

Part-number overview

(complete)



0 189 ...

0 189 999 030	A99
0 189 999 070	A99
0 189 999 170	A99
0 189 999 070	A99
0 189 999 130	A99
0 189 999 170	A99

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Part-number overview (complete)
(continued)

										
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0 342 311 004	A142	0 354 120 007	A134	0 356 351 050	A177	0 986 320 154	A87	0 986 344 082	A150	
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de

Verwendung

en

Applications

fr

Affectations

it

Impiego

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Aplicación

Benutzerhinweise

In diesem Katalog sind die Daten von Fahrzeugen, Motoren und Geräten für den europäischen Markt von Baujahr 1992 bis einschließlich 2012 erfasst. Diese wurden aus Hersteller- und Importeurangaben, aus Fahrzeuguntersuchungen sowie aus Unterlagen von Bosch nach bestem Wissen sorgfältig zusammengestellt und geben den Stand zum Zeitpunkt der Drucklegung wieder.

Zwangsläufige Abweichungen durch länder-spezifische technische Änderungen können nie ganz ausgeschlossen werden. Bosch kann daher insoweit nicht für die Vollständigkeit und Fehlerfreiheit der Daten haften. Für Irrtümer und Druckfehler, die zu Schäden am Eigentum oder Vermögen führen, haftet Bosch nur bei grob fahrlässiger Pflichtverletzung und bei Vorsatz für unmittelbare Schäden. Bei Personenschäden haftet Bosch auch bei leichter Fahrlässigkeit.

Notes for users

This catalog contains the data from the vehicles, engines, and equipment for the European market from year of manufacture 1992 up to and including the year 2012. This data has been assembled from information provided by manufacturers and importers, and taken from Bosch documentation, as well as from investigations made on vehicles. It has been compiled to the best of our knowledge and belief, and reflects the status at the date of going to print.

It is impossible to avoid deviations caused by technical changes resulting from the conditions and regulations applying in a particular country. Bosch can therefore accept no liability for the completeness and faultlessness of the data. In case of mistakes and misprints which result in damage to property or assets, Bosch is only liable for immediate damages insofar as a gross breach of duty or wrongful intent apply. If personal injury is involved, Bosch is liable also in case of ordinary negligence.

A l'attention de l'utilisateur

Le présent catalogue mentionne les données spécifiques de véhicules, moteurs et appareils pour le marché européen depuis l'année de fabrication 1992 jusqu'au millésime 2012 inclus. Ces informations ont été rassemblées soigneusement et en toute impartialité à partir des indications des constructeurs et importateurs, des contrôles techniques des véhicules et de la documentation Bosch, et matérialisent le stade des connaissances au moment de la mise sous presse.

Des écarts inévitables ne peuvent jamais être complètement exclus en raison des différences spécifiques à chaque pays. Bosch ne peut donc pas à cet égard être tenu responsable de l'exactitude des données. Pour des erreurs et fautes d'impression, qui causeraient des dégâts matériels, Bosch est responsable seulement en cas de violation de ses obligations par faute lourde intentionnelle en ce qui concerne les dommages matériels. En cas de dommages corporels, Bosch peut être également tenu pour responsable dans les cas de faute légère.

Avvertenze per la consultazione

Nella seguente parte di catalogo sono contemplati veicoli, motori ed apparecchi a partire dall'anno di costruzione 1992 fino all'anno 2012. Tali informazioni sono state rilevate dalle documentazioni di Case Auto, Importatori, da verifiche eseguite sui veicoli, così come da documentazione Bosch.

Eventuali discordanze dovute a specifiche esigenze del Paese e variazioni tecniche non possono essere previste. Per questo Bosch non si assume alcuna responsabilità per mancanze ed eventuali errori riferite ai dati. Per danni a cose o danni patrimoniali, dovuti ad errori o refusi di stampa, Bosch è responsabile solo in caso di dolo o colpa grave. Per danni alla persona, Bosch è responsabile anche in caso di colpa meno grave.

Instrucciones para el usuario

Los datos de este catálogo para vehículos, motores y utensilios del mercado europeo comprenden los años de construcción desde 1992 hasta 2012 inclusive. Éstos son creados para la edición indicada sobre la base de documentos de Bosch, exámenes o inspecciones de vehículos así como datos de fabricantes e importadores.

Las diferentes especificaciones técnicas propias de cada país nunca pueden ser excluidas completamente. Por lo tanto, Bosch en este aspecto, no puede ser responsable de la absoluta exactitud de los datos. En el caso de errores, incluidos los de imprenta, que generen daños ó pérdidas de la propiedad o posesiones, Bosch es responsable únicamente en los casos de violación negligente de sus obligaciones y en el supuesto de intención o dolo para el daño directo. Bosch está también obligado a responder en casos de injurias personales por negligencia.



ALFA ROMEO

GT						
1.8	1,8	106	AR32205 <M1>	10.03→	NKE,RBE	
GTV						
1.8	1,8	106	AR 32201 <M1>	05.98-12.00	NKE,RBE	
2.0	2,0	110	AR 32310 <M6>	08.00-12.05	NKE,RBE	
		110/114	AR 16201 <M1>; AR 32301 <M2>	04.95-07.00	NKE,RBE	
Spider						
1.8	1,8	106	AR 32201 <M1>	05.98-07.00	NKE,RBE	
2.0	2,0	110	AR 32310 CF3 <M6>	08.00-02.06	NKE,RBE	
		110/114	AR 16201 <M1>; AR 32301 <M2>	04.95-07.00	NKE,RBE	
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1.6	1,6	79	AR 61101 <M3>	08.89-02.92		0 986 356 835 B 835
1.8	1,8	88	AR 06168 <M5>; AR 61201 <M6>	09.88-02.92		0 986 356 835 B 835
2.0	2,0	106/109	AR 06166 KAT <M11>; AR 06224 <M10>	01.87-02.92		0 986 356 878 B 878
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					SEE	
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1.3	1,3	68	AR 33501 MPI-Weber <M1>	04.94-11.96		0 986 356 856 B 856
1.4	1,4	76	AR 33503 <M1>	11.96-02.99	NKE,RBE	
				02.99-12.00	NKE,RBE	
1.6	1,6	78	AR 33201 MPI-Roch. <M2>	01.95-11.96		0 986 357 269 B W269
		88	AR 32102 <M6>	02.99-12.00	NKE,RBE	
			AR 67601 <M2>	11.96-02.99	NKE,RBE	
			AR 67601 <M5>	02.99-12.00	NKE,RBE	
1.8	1,8	103	AR 32201 <M10>; AR 32201 <M11>; AR 67106 <M3>	11.96-12.00	NKE,RBE	
2.0	2,0	110	AR 32301 <M15>; AR 32301 Step A <M12>; AR 67204 <M4>	10.95-12.00	NKE,RBE	
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1.3	1,3	68	AR 33501 MPI-Weber <U2 M1>	12.94-11.96		0 986 356 856 B 856
1.4	1,4	76	AR 33503 <M1>; AR 33503 <W4 M1>	11.96-12.00	NKE,RBE	
1.6	1,6	76-78	AR 33201 MPI-Roch. <U2 M2>	05.95-11.96		0 986 357 269 B W269
		88	AR 32102 <W4 M6>	02.99-12.00	NKE,RBE	
			AR 67601 <M2>; AR 67601 <W4 M5>	11.96-12.00	NKE,RBE	
1.8	1,8	103	AR 32201 <M11>; AR 32201 <W4 M10>; AR 67106 <M3>	11.96-12.00	NKE,RBE	
2.0	2,0	110	AR 32301 <M12>; AR 32301 <W4 M15>; AR 67204 <M4>	10.95-12.00	NKE,RBE	
147						
1.6	1,6	77/88	AR 32104 <M5>; AR 37203 <M1>	11.00-12.10	NKE,RBE	
2.0	2,0	110	AR 32310 <M10>	11.00-12.10	NKE,RBE	
155						
1.6	1,6	85	AR 67601 <M1>	05.96-10.97	NKE,RBE	
1.8	1,8	100	AR 67106 <M2>	05.96-10.97	NKE,RBE	
2.0	2,0	110	AR 67204 <M3>; AR 67204 <M4>; AR 67299 <M5>	03.95-10.97	NKE,RBE	
156						
1.6	1,6	88	AR32102 <M7>	04.98-09.00	NKE,RBE	
			AR32103 <M2>; AR32103 <M11>; AR32104 CF3 <M10>;	09.00-12.05	NKE,RBE	
			AR32104 <M1>; AR32104 <M10>			
			AR67601 CF2 <M1>; AR67601 <M1>	10.97-09.00	NKE,RBE	
1.8	1,8	106	AR32201 CF2 <M2>; AR32201 <M2>	10.97-09.00	NKE,RBE	
			AR32205 CF3 <M15>; AR32205 <M5>; AR32205 <M15>	09.00-12.05	NKE,RBE	
2.0	2,0	110	AR32310 CF3 <M11>; AR32310 CF3 <M20>; AR32310 <M11>;	09.00-10.05	NKE,RBE	
			AR32310 <M20>			
		114	AR32301 CF2 <M3>; AR32301 <M3>	10.97-09.00	NKE,RBE	
164						
2.0	2,0	102/107	AR 06416 <M2>; AR 06420 <M1>	06.87-09.92	RBV	
3.0	3,0	132/136-140/147	AR 06410 <M3>; AR 06412 <M4>; AR 64301 <M5>	06.87-09.92	RBV	
166						
2.0	2,0	114	AR 34103 <M1>	10.98-09.00	NKE,RBE	
			AR 36301 <M2>	09.00-10.07	NKE,RBE	



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A



AUDI

A2							
1.4	1,4	55	AUA		09.99-04.02	0 986 356 308	B 308
A3							
1.6	1,6	74	AEH; AKL; APF		09.96-06.01	0 986 356 359	B 359
		75	AVU; BFQ; BGU; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CMXA <MW6>	05.00→		0 986 356 346	B 346
1.8	1,8	92	AGN		09.96-06.97	0 986 356 305	B 305
					06.97-09.06	0 986 356 337	B 337
			APG		08.98-04.03	0 986 356 337	B 337
A3 Sportback/Cabriolet							
1.6	1,6	75	BGU; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CMXA <MW6>		09.04→	0 986 356 346	B 346
A4 (B5)							
1.6	1,6	74	ADP		11.94-10.96	0 986 356 304	B 304
			AHL		10.96-07.99	0 986 356 359	B 359
			ANA		08.98-06.00	0 986 356 359	B 359
			ARM		08.98-10.00	0 986 356 359	B 359
		75	ALZ		06.00-09.01	0 986 356 359	B 359
2.4	2,4	110	AFM		07.95-07.97	0 986 356 302	B 302
		120/121	AGA; AJG; ALF; AML; APS; APZ; ARJ		08.97-09.01	0 986 356 321	B 321
2.6	2,6	110	ABC		11.94-07.98	0 986 356 302	B 302
2.8	2,8	128	AAH		11.94-07.97	0 986 356 302	B 302
		142	ACK; ALG; AMX; APR; AQD		03.96-09.01	0 986 356 321	B 321
A4 (B6)							
1.6	1,6	75	ALZ		10.00-12.04	0 986 356 359	B 359
2.4	2,4	120/125	AMM; BDV		04.01-12.05	0 986 356 321	B 321
A4 (B7)							
1.6	1,6	75	ALZ		11.04-06.08	0 986 356 359	B 359
A6 (C4,C5)							
2.0	2,0	74/79/85	AAE; ABK; ADW		06.94-10.97		
		96	ALT		06.01-01.05	0 986 356 321	B 321
2.3	2,3	98	AAR		06.94-10.97	0 986 356 340	B 340
2.4	2,4	100/115/120/121/125	AGA; AJG; ALF; ALW; AML; AMM; APC; APS; APZ; ARJ; ARN; ASM; BDV		04.97-01.05	0 986 356 321	B 321
		110	AFM		07.95-10.97	0 986 356 302	B 302
2.6	2,6	102/110	ABC; ACZ		06.94-10.97	0 986 356 302	B 302
2.8	2,8	120	AEJ		06.94-10.97	0 986 356 302	B 302
		128	AAH		06.94-10.97	0 986 356 302	B 302
		132/140/142	AGE; ALG; AMX; APR; AQD; ATX		06.97-05.01	0 986 356 321	B 321
		142	ACK		10.95-10.97	0 986 356 302	B 302
					04.97-12.98	0 986 356 321	B 321
A8 (D2,D3,D4)							
2.8	2,8	120	AEJ		07.95-03.96	0 986 356 302	B 302
		128	AAH		06.94-03.96	0 986 356 302	B 302
		142	ACK		03.96-12.98	0 986 356 321	B 321
			ALG; AMX; APR; AQD		10.97-09.02	0 986 356 321	B 321
Cabriolet							
2.0	2,0	85	ABK		01.93-09.98	0 986 356 317	B 317
2.3	2,3	98	NG		06.91-07.94	0 986 356 340	B 340
2.6	2,6	102/110	ABC; ACZ		01.94-08.00	0 986 356 302	B 302
2.8	2,8	128	AAH		11.92-08.00	0 986 356 302	B 302
Coupe (B2,B3)							
1.8	1,8	82	DZ		08.89-07.91		
2.0	2,0	85	AAD		08.90-07.91	0 986 356 317	B 317
			ABK		09.91-12.95	0 986 356 317	B 317
2.2	2,2	98	KV		11.88-07.91	0 986 356 340	B 340
2.3	2,3	98	NG		11.88-07.94	0 986 356 340	B 340
2.6	2,6	110	ABC		08.92-12.95	0 986 356 302	B 302
2.8	2,8	128	AAH		08.91-12.95	0 986 356 302	B 302
80							
1.6	1,6	51/55	PP; RN		09.86-12.91	0 986 356 317	B 317
		52	ABM		01.92-08.94	0 986 356 317	B 317





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AUDI

A2

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

A3

0 986 357 741 0 986 357 741 0 986 357 740 0 986 357 739

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A3 Sportback/Cabriolet

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

A4 (B5)

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

A4 (B6)

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

A4 (B7)

A6 (C4,C5)

0 356 912 883 0 356 912 883 0 356 912 883 0 356 912 883 0 356 904 061

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

0 356 912 987 0 356 912 888 0 356 912 887 0 356 912 886 0 356 912 886 0 356 904 070

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

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0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

A8 (D2,D3,D4)

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

0 986 357 722 0 986 357 722 0 986 357 723 0 986 357 722 0 986 357 723 0 986 357 723

Cabriolet

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061

0 356 912 987 0 356 912 888 0 356 912 887 0 356 912 886 0 356 912 886 0 356 904 070

Coupe (B2,B3)

0 356 912 888 0 356 912 886 0 356 912 886 0 356 912 886 0 356 904 061

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061

0 356 912 987 0 356 912 888 0 356 912 887 0 356 912 886 0 356 912 886 0 356 904 070

0 356 912 987 0 356 912 888 0 356 912 887 0 356 912 886 0 356 912 886 0 356 904 070

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0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061

0 356 912 885 0 356 912 884 0 356 912 884 0 356 912 883 0 356 904 061





◀ AUDI

1.6	1,6	74	ADA	06.93-07.95		
		75	ABB	08.90-12.91		
1.8	1,8	66	NE; PM	08.86-12.91	0 986 356 317	B 317
		66/82	DZ; JN	09.86-12.91	0 986 356 317	B 317
TW						
2.0	2,0	66/85	AAD; ABK; ABT	08.90-07.95	0 986 356 317	B 317
2.3	2,3	98	NG	04.87-11.94	0 986 356 340	B 340
2.6	2,6	102/110	ABC; ACZ	07.92-07.95	0 986 356 302	B 302
2.8	2,8	128	AAH	09.91-07.95	0 986 356 302	B 302
90						
1.8	1,8	82	DZ	08.89-12.91	0 986 356 317	B 317
2.0	2,0	85	PS	05.87-12.91	0 986 356 340	B 340
2.2	2,2	98	KV	04.87-12.91	0 986 356 340	B 340
2.3	2,3	98	NG	04.87-12.91	0 986 356 340	B 340
100						
1.6	1,6	75	ABB	03.92-01.94		
2.0	2,0	74	AAE	12.90-07.94		
		85	AAD	12.90-12.92		
			ABK	01.93-07.94		
2.3	2,3	98	AAR	12.90-07.94	0 986 356 340	B 340
		100	NF	08.86-08.91		
2.6	2,6	102/110	ABC; ACZ	03.92-07.94	0 986 356 302	B 302
2.8	2,8	128	AAH	12.90-07.94	0 986 356 302	B 302
200						
2.2	2,2	121	MC	08.85-12.91	0 986 356 340	B 340

AUSTIN

Maestro

1.3	1,3	45-47/49/50-51	A Plus; 12 H	03.83-09.92		
		46-49	12 H <A Plus>	03.83-09.92		
1.6	1,6	63/72	S Series; 16 H	03.83-09.92		
2.0	2,0	83	EFI O Series	10.84-09.92		

Mini

1.0	1,0	29/31/33	A Plus	01.82-09.92	0 986 356 844	B 844
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AUTOBIANCHI

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1.0	1,0	33	156 A 2.246; 156 A 2.256 KAT	01.89-09.92	0 986 356 853	B 853
1.3	1,3	53	146 A 5.046 MPI <ZM M2>	09.92-12.95		
					CSA	0 986 357 131 B 131

BMW

Serie Z3 (E36/7;E36/8)

Z3	1,8	85	18 4E 2 <M 43 B 18>	03.95-12.98	0 986 356 361	B 361
	1,9	87	19 4E 1 <M 43 B 19>	09.98-09.02	0 986 356 361	B 361
		103	19 4S 1 <M 44 B 19>	09.95-12.99	0 986 356 307	B 307

Serie 3 (E30)

316	1,6	73-75	16 4E 1 <M 40 B 16>	09.88-06.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
318	1,8	83-85	18 4E 1 <M 40 B 18>	09.87-06.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
320	2,0	90-95	20 6E E/20 6K A <M 20 B 20>	10.87-12.93	0 986 356 323	B 323	
325	2,5	125	25 6K 1 <M 20 B 25 Kat.>	12.86-03.93	0 986 356 326	B 326	
				07.87-12.93	0 986 356 323	B 323	
				03.86-02.91	0 986 356 326	B 326	
		126	25 6E 1/2 <M 20 B 25>	10.87-01.93	0 986 356 323	B 323	



1	2	3	4	5	6	7	8	
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 062
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 061
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883					0 356 904 061
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883					0 356 904 061
0 356 912 888	0 356 912 886	0 356 912 886	0 356 912 886					0 356 904 061
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883					0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070

								90
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883					0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070

								100
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 061
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 062
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 061
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 356 912 945	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070

								200
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070

AUSTIN

								Maestro
0 986 356 032	0 986 356 033	0 986 356 032	0 986 356 032					0 986 356 042
0 986 356 033	0 986 356 032	0 986 356 032	0 986 356 032					0 986 356 042
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032					0 986 356 042
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032					0 986 356 042

								Mini
0 986 356 032	0 986 356 033	0 986 356 032	0 986 356 032					0 986 356 038

AUTOBIANCHI

								Y 10
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 019	0 986 356 017	0 986 356 017	0 986 356 019					0 986 356 040

BMW

Serie Z3 (E36/7;E36/8)

Serie 3 (E30)





◀ BMW

Serie 3 (E36)							
316	1,6	64-75	16 4E 2 <M 43 B 16>; 16 4E 2 <M 43 B 16..Gas CNG>	09.93-09.00		0 986 356 361	B 361
		73-75	16 4E 1 <M 40 B 16>	09.90-02.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
	1,9	77	19 4E 1 <M 43 B 19>	12.98-09.00	MMS	0 986 356 310	B 310
318	1,8	83-85	18 4E 1 <M 40 B 18>	12.90-02.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
		85	18 4E 2 <M 43 B 18>	09.93-12.99		0 986 356 361	B 361
		103	18 4S 1 <M 42 B 18>	10.93-12.96		0 986 356 307	B 307
	1,9	103	19 4S 1 <M 44 B 19>	03.95-09.00		0 986 356 307	B 307
Serie 3 (E46)							
316	1,6	75	16 4E 3 <M 43 B 16>	04.98-09.02	MMS	0 986 356 310	B 310
	1,8	85	N42 B18A <NG4>	06.01-03.04	MMS	0 986 356 310	B 310
	1,9	77	19 4E 1 <M 43 B 19>	04.98-09.02	MMS	0 986 356 310	B 310
318	1,9	87	19 4E 1 <M 43 B 19>	04.98-09.01	MMS	0 986 356 310	B 310
Serie 5 (E34)							
518	1,8	75-85	18 4E 2 <M 43 B 18>; 18 4E 2 <M 43 B 18..Gas CNG>	09.90-12.96	MMS	0 986 356 310	B 310
		83-85	18 4E 1 <M 40 B 18>	09.89-12.94	MMS	0 986 356 325	B 325
					MMS	0 986 356 328	B 328
535	3,5	155	34 6K B <M 30 B 35>	11.88-04.93		0 986 356 324	B 324
Serie 7 (E32)							
730	3,0	136-145	30 6K A <M 30 B 30>	10.88-06.94		0 986 356 324	B 324
735	3,4	155-162	34 6E C/K B <M 30 B 35>	02.88-12.92		0 986 356 327	B 327

CHEVROLET

Aveo							
1.2	1,2	53	F12S3	02.06-10.08		0 986 357 285	B 285
Ipanema							
2.0	2,0	90	C20NE <SOHC MPFI>	12.96-12.97		F 000 99C 128	CS
Kalos							
1.2	1,2	53	B12S1	02.05-04.08		0 986 357 285	B 285
1.4	1,4	61	F14S3	02.05-09.06		0 986 356 980	B 980
Lanos							
1.5	1,5	63	A15SMS <E-TEC>	01.04→		0 986 356 980	B 980
Matiz							
1.0	1,0	48	B10S1	02.05-12.10		0 986 357 285	B 285
Spark							
1.0	1,0	47/48	B10S1	01.98→		0 986 357 285	B 285

CHRYSLER

Le Baron							
2.5	2,5	72	EDM	01.88-08.92		0 986 356 834	B 834
Neon							
1.8	1,8	85	EBD	09.97-12.00		0 986 357 270	B W270
2.0	2,0	98/107-109/112	ECB; ECC	06.94-12.05		0 986 357 270	B W270
New Yorker							
3.5	3,5	160	F MPI <F01>	04.93-09.99		0 986 357 248	B 248
PT Cruiser							
2.0	2,0	100-104	ECC	06.00-12.05		0 986 357 052	B 052
2.4	2,4	105-112	EDZ	06.00-12.10		0 986 357 052	B 052
Stratus							
2.0	2,0	96-98	ECB,ECO <C MPI>	08.95-04.01		0 986 357 270	B W270
2.4	2,4	118	EDZ; EDZ <X MPI>; EDZ,EDO <X MPI>	08.95-04.01		0 986 357 270	B W270
Voyager							
2.0	2,0	98	ECO,ECB	08.96-12.00		0 986 357 270	B W270
2.4	2,4	108	EDZ	01.01-12.02		0 986 357 270	B W270
				01.03-12.07		0 986 357 052	B 052
				08.96-12.00		0 986 357 270	B W270



1 2 3 4 5 6 7 8

Serie 3 (E36)

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

Serie 3 (E46)

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704
 0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704
 0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704
 0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

Serie 5 (E34)

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

Serie 7 (E32)

CHEVROLET

Aveo

Ipanema

Kalos

Lanos

Matiz

Spark

CHRYSLER

Le Baron

Neon

New Yorker

PT Cruiser

Stratus

Voyager





◀ CHRYSLER

2.5	2,5	72-74	EFI <EDM>	04.92-08.93		0 986 356 834	B 834
3.0	3,0	104-108	A EFI <EFA>	01.88-09.93		0 986 356 714	B 714
3.3	3,3	110/116/120	EFI <EGA>; EG...; EGA	09.90-12.99		0 986 357 248	B 248
3.8	3,8	122/131	EGH,EGO; EGO,EGH	01.97-12.00		0 986 357 248	B 248

CITROEN

AX

1.0	1,0	31-33	CDY Kat. <TU9M>	07.92-12.94	WW	0 986 357 240	B W240		
				07.92-12.98		0 986 356 830	B 830		
		32-34	C1A <TU9>	10.86-06.92		0 986 356 889	B 889		
		37	CDZ Kat. <TU9M>	07.92-12.98	MZV	0 986 356 830	B 830		
					MZV,WW	0 986 357 240	B W240		
				01.95-12.98	MZV	0 986 356 889	B 889		
1.1	1,1	40	H1A <TU1>	10.86-05.92		0 986 356 889	B 889		
		40-44	HDZ Kat. <TU1M>	10.89-05.92		0 986 356 889	B 889		
					WW	0 986 357 251	B W251		
		44	HDY Kat. <TU1M>	06.92-06.98		0 986 356 830	B 830		
					WW	0 986 357 240	B W240		
1.4	1,4	51-55	K1G <TU3A>	04.88-06.91		0 986 356 889	B 889		
		55	KDX Kat.(Gußmot.) <TU3FM>	01.93-12.96		0 986 356 830	B 830		
					WW	0 986 357 240	B W240		
		55-58	KDY Kat. <TU3M>; KDY Kat.(Gußmot.) <TU3FM>	06.90-12.92		0 986 356 889	B 889		
					WW	0 986 357 251	B W251		
						12.92-12.96	0 986 356 830	B 830	
							WW	0 986 357 240	B W240
				62-65	K2A <TU3S>; K2B <TU3S>	10.87-12.92		0 986 356 889	B 889
					WW	0 986 357 251	B W251		
		66/69-70	KFY Kat. <TU3FJ>; KFZ Kat. <TU3FJ>	05.91-12.96		0 986 356 830	B 830		
					WW	0 986 357 240	B W240		
		70-74	K6B <TU3FJ2>	05.91-12.96		0 986 356 830	B 830		
					WW	0 986 357 240	B W240		

Berlingo

1.4	1,4	55	KFX <TU3JP>	07.96-11.02		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.8	1,8	66	LFX <XU7JB>	03.97-11.02		0 986 356 767	B 767

BX

11	1,1	40	H1A <TU1/K>	06.88-06.91		0 986 356 889	B 889	
14	1,4	49-52	K1G <TU3A/K>	06.87-09.93	ZVD			
					ZVS	0 986 356 889	B 889	
		50	K1F <TU3A/N>	07.88-12.94		0 986 356 889	B 889	
		55	KDY Kat. <TU3M/Z>	06.90-12.92		0 986 356 889	B 889	
					WW	0 986 357 251	B W251	
						12.92-09.93	0 986 356 830	B 830
					WW	0 986 357 240	B W240	
			K2D <TU3.2/K>	09.91-09.93		0 986 356 889	B 889	
15	1,6	53	B1E <XU51C/W>	09.88-12.94		0 986 356 803	B 803	
16	1,6	58	B1A/E,B1F <XU51C/K>	09.88-02.93		0 986 356 794	B 794	
		64/76/83-85	B6D,B6E <XU5JA/K>; 171D <XU5STR>; 180Z <XU5J>	09.88-12.94		0 986 356 794	B 794	
		65	BDY Kat. <XU5M>	04.91-12.94		0 986 356 767	B 767	
		67	B2C <XU52C/K>	02.88-12.94	ZVD	0 986 356 851	B 851	
					ZVS	0 986 356 794	B 794	
19	1,9	79	D2E,D2F <XU92C>	09.88-09.93	ZVS	0 986 356 794	B 794	
		88	DKZ Kat. <XU9JAZ>	06.88-03.93	ZMB	0 986 356 851	B 851	
					ZMS	0 986 356 794	B 794	
		90	D6D <XU9J2/K>	07.90-09.93	ZMB			
					ZMS	0 986 356 803	B 803	
		108	DFW Kat. <XU9J4/Z>	03.88-03.93		0 986 356 751	B 751	
		116	D6C <XU9J4/K>	07.87-12.92		0 986 356 751	B 751	

C 15

E 1.0	1,0	32	C1A <TU9>	07.88-12.97		0 986 356 889	B 889
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1	2	3	4	5	6	7	8
0 986 356 004	0 986 356 006	0 986 356 008	0 986 356 008	0 986 356 008	0 986 356 010		0 986 356 042

CITROEN

AX

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

Berlingo

BX

0 986 356 061

0 986 356 042

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 057

0 986 356 063

0 986 356 063

0 986 356 040

0 986 356 063

0 986 356 063

0 986 356 040

0 986 356 063

0 986 356 062 0 986 356 063 0 986 356 064 0 986 356 064

0 986 356 008

0 986 356 057

C 15

0 986 356 061





◀ CITROEN

E1.1	1,1	44	HDZ Kat. <TU1M>; H1A <TU1>	07.88-12.92	WW	0 986 356 889	B 889
						0 986 357 251	B W251
				12.92-12.96		0 986 356 830	B 830
					WW	0 986 357 240	B W240
E1.4	1,4	51	K1G <TU3A>	07.87-12.96		0 986 356 889	B 889
CX							
20	2,0	74-78	829 A5, J6RA500	07.82-12.92			
22	2,2	83-85	J6T A500	07.85-12.92			
25	2,5	89-98/116/122	M25-666 <EN5TE>; M25-667 Kat. <EN5TE>; M25-668 Kat. <EN5L>	05.86-12.92			
C25							
25	1,8	49-51	XM7T <169B>	01.85-03.94		0 986 356 795	B 795
		55-60	XN1T <170A/B>	09.81-12.92		0 986 356 795	B 795
		60-63	XN1TA <170C/D>	09.81-03.94		0 986 356 795	B 795
Evasion							
2.0	2,0	89-90/108-110	RFU <XU10J2>; RGX <XU10J2TE>	06.94-07.02		0 986 356 727	B 727
Saxo							
1.0	1,0	33/37	CDY <TU9M>; CDZ <TU9M>	02.96-09.03		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.1	1,1	40-44	HDY <TU1M+>; HDZ <TU1M+>	02.96-09.03		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.4	1,4	55	KFX <TU3JP>	02.96-09.03		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.6	1,6	65-66	NFZ <TU5JP>	02.96-09.03		0 986 356 830	B 830
					WW	0 986 357 240	B W240
Visa							
0.6	,6	24/25/26	V06/630; V06/644; V06/665	07.82-03.91			
1.6	1,6	83	B6D	06.86-03.91		0 986 356 725	B 725
Xantia							
1.6	1,6	65-66	BFZ <XU5JP/Z, L3>	03.93-01.98		0 986 356 767	B 767
		66	BFZ <XU5JP/L3>	03.98-12.01		0 986 356 767	B 767
1.8	1,8	66/70-71/ 74-76/81	LFX <XU7JB>; LFX <XU7JB/L3>; LFX Kat. <XU7JP4/L3>; LFX <XU7JP4>; LFZ Kat. <XU7JP/Z, L3>; L6A <XU7JP/K>	03.93-12.01		0 986 356 767	B 767
		74-76/81					
2.0	2,0	89-90/91-92	RFX Kat. <XU10J2C/Z, L3>; RFX <XU10J2C/L3>; R6D <XU10J2C/K>	03.93-12.01		0 986 356 727	B 727
		97	RFV <XU10J4R>	09.95-01.98		0 986 356 727	B 727
XM							
2.0	2,0	85	R2A <XU102C>	05.89-06.94		0 986 357 123	B 123
		89-90/97-99/ 104-107/ 108-110	RFV <XU10J4R>; RFZ Kat. <XU10J2Z>; RGY <XU10J2TE>; RGY <XU10J2TE/Z>	05.89-10.00		0 986 356 727	B 727
		90-96	R6A <XU10J2>; R6A <XU10J2K>	05.89-10.00		0 986 356 727	B 727
Xsara							
1.4	1,4	55	KFX <TU3JP>	07.97-08.00		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.6	1,6	65-66	NFZ <TU5JP>	07.97-08.00		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.8	1,8	66/74-75/ 81-82	LFX <XU7JB>; LFX <XU7JP4>; LFZ <XU7JP>	07.97-08.00		0 986 356 767	B 767
ZX							
1.1	1,1	40-44	H1A, H1B <TU1/K>	03.91-08.96		0 986 356 889	B 889
		44	HDZ Kat. <TU1M>	10.91-12.92		0 986 356 889	B 889
					12.92-03.94	WW	0 986 357 251
					WW	0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.4	1,4	55	KDX Kat. <TU3MC/Z>	08.92-12.92		0 986 356 889	B 889
					WW	0 986 357 251	B W251
				12.92-08.96		0 986 356 830	B 830
					WW	0 986 357 240	B W240
			KDY, HDY Kat. <TU3M/Z>	03.91-08.92		0 986 356 889	B 889
			KFX <TU3JP>	05.96-10.97		0 986 356 830	B 830
					WW	0 986 357 240	B W240
			K2D <TU3.2/K>; K5A <TU3.2/Z>	03.91-12.95		0 986 356 889	B 889
1.6	1,6	65-66	BDY Kat. <XU5M/4Z>; BFZ Kat. <XU5JP>; B4A <XU5M/4K>; NFZ <TU5JP>	03.91-10.97		0 986 356 767	B 767
1.8	1,8	74-76	LFZ Kat. <XU7JP>; L6A <XU7JP>	07.92-10.97		0 986 356 767	B 767





1	2	3	4	5	6	7	8
							0 986 356 061
							0 986 356 061
							CX
0 986 356 021	0 986 356 019	0 986 356 017	0 986 356 017				0 986 356 046
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 025				0 986 356 049
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 025				0 986 356 049
							C25
							Evasion
0 986 356 130	0 986 356 131	0 986 356 131	0 986 356 132				Saxo
							Visa
0 986 356 062	0 986 356 063						0 986 356 044
							Xantia
0 986 356 130	0 986 356 131	0 986 356 135	0 986 356 132				
0 986 356 130	0 986 356 131	0 986 356 131	0 986 356 132				
							XM
0 986 356 130	0 986 356 131	0 986 356 131	0 986 356 132				0 986 356 058
0 986 356 130	0 986 356 131	0 986 356 131	0 986 356 132				
							Xsara
							ZX
							0 986 356 061
							0 986 356 061
							0 986 356 061
							0 986 356 061
							0 986 356 061





◀ CITROEN

1.9	1,9	88-90/93-96	DKZ,DFY Kat. <XU9JAZ>; D6E <XU9JA/K>	03.91-10.97	0 986 356 767	B 767
2.0	2,0	89	RFX Kat. <XU10J2CZ>	07.92-10.97	0 986 356 727	B 727

DACIA

Dokker						
1.6	1,6	61	K7M 812	07.12→	0 986 357 256	B W256
Lodgy						
1.6	1,6	61	K7M 812	03.12→	0 986 357 256	B W256
Logan						
1.4	1,4	55	K7J 71...	07.04→	0 986 357 256	B W256
1.6	1,6	62/64	K7M 7...; K7M 8...; K7M 800	07.04→	0 986 357 256	B W256
Sandero						
1.4	1,4	55	K7J 71...	06.08→	0 986 357 256	B W256
1.6	1,6	62	K7M 8...	11.10→	0 986 357 256	B W256
Serie 1300						
1310	1,3	40	810-99	01.79-12.98	0 986 357 049	B 049
	1,4	48	102-13	01.94-12.96	0 986 357 049	B 049

DAEWOO

Cielo						
1.5	1,5	59	G15MF	01.95-11.01	0 986 356 972	B 972
Espero						
1.5	1,5	65		09.93-12.94	0 986 356 739	B 739
		66	A15MF	01.95-10.99	0 986 356 975	B 975
1.8	1,8	66-70	C18LE	01.95-10.99	0 986 356 739	B 739
2.0	2,0	74	C20LZ	09.91-10.93	0 986 356 739	B 739
		77	C20LE	01.95-10.99	0 986 356 739	B 739
		81	C20LE	09.93-10.94	0 986 356 739	B 739
Kalos						
1.2	1,2	53	B12S1 <LQ5>	04.03-01.05	0 986 357 285	B 285
1.4	1,4	61	F14S3	09.02-01.05	0 986 356 980	B 980
Korando						
3.2	3,2	162	M162 E32 <MB-M 104.>	07.96-12.00	F 005 X13 852	
Lanos						
1.4	1,4	55	A14SMS <E-TEC>	04.97-09.03	0 986 356 980	B 980
1.5	1,5	63/74	A15SMS; A15SMS <E-TEC>	11.96-09.03	0 986 356 980	B 980
1.6	1,6	78	A16DMS; A16DMS <E-TEC>	04.97-09.03	0 986 356 987	B 987
Leganza						
2.0	2,0	98-117	X20SED	03.97-12.02	0 986 356 986	B 986
LeMans						
1.5	1,5	55/63-65/66	Opel-G 15 CF; Opel-G 15 MF; Opel-G 15 SF	06.86-03.94	0 986 356 739	B 739
		73	A15MF	04.93-10.96	0 986 356 884	B 884
Matiz						
0.8	0,8	37,5	F8CV	01.01→	MZV	0 986 356 988 B 988
		38	F8CV	04.98-01.05	MZV	0 986 356 988 B 988
				11.98-07.02		0 986 356 988 B 988
1.0	1,0	47	B10S	01.01→		0 986 357 285 B 285
Musso						
3.2	3,2	162	M162 E32 <MB-M 104.992>	01.96-12.00	F 005 X13 852	
Nexia						
1.5	1,5	44/52/55-57	G15MF	12.94→	0 986 356 972	B 972
		58,9	A15SMS	01.95→	0 986 356 980	B 980
		62,5/66-67	A15MF	11.94→	0 986 356 975	B 975
Nubira						
1.6	1,6	76-78	A16DMS <L44>	09.97-06.03	0 986 356 987	B 987
Rezzo						
1.6	1,6	74-77	A16DMS	09.00-01.05	0 986 356 987	B 987
Tico						
0.8	0,8	30-35/38	F8C; F8CV	06.91-01.05	0 986 356 988	B 988



1 2 3 4 5 6 7 8

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

DACIA

Dokker

Lodgy

Logan

Sandero

Serie 1300

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019
 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 042
 0 986 356 042

DAEWOO

Cielo

Espero

0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061
 0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061
 0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061
 0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061
 0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061

0 986 356 061
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 0 986 356 061
 0 986 356 061

Kalos

Korando

Lanos

Leganza

LeMans

0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061

0 986 356 061

Matiz

Musso

Nexia

Nubira

Rezzo

Tico





DAIHATSU

Applause										
1.6	1,6	66-67	HDCF		06.89-07.97					
		73	HDE <Kat.>		09.97-04.00					
		77	HDE <Kat.>		06.89-07.97					
Charade										
1.0	1,0	38	CB		11.90-12.92		0 986 357 168		B 168	
1.3	1,3	44-62	HC <Kat.>		01.93-11.99		0 986 357 202		B 202	
		60-66	HCC		11.90-12.92					
		62	HCE <Kat.>		01.93-09.00		0 986 357 202		B 202	
		66	HCE <Kat.>		11.90-12.92					
1.5	1,5	55/66	HEE <Kat.>; HEEG		06.94-09.00		0 986 357 202		B 202	
1.6	1,6	77	HDE <Kat.>		01.93-09.00		0 986 357 202		B 202	
Cuore										
850	0,8	31-32	ED20		08.94-12.96	LLE	0 986 357 222		B 222	
Domino										
0.9	0,9	32	ED10		11.86-12.96					
Feroza										
1.6	1,6	63/70	HDC; HDE; HDE <Kat.>		10.88-10.99					
Gran Move										
1.5	1,5	66	HEEG		11.96-03.00		0 986 357 202		B 202	
Move										
850	0,9	31	ED20		01.97-12.00		0 986 357 222		B 222	

DODGE

Caravan										
2.0	2,0	98			01.95-03.01		0 986 357 270		B W270	
2.5	2,5	72	EDM		01.88-08.95		0 986 356 834		B 834	
3.8	3,8	122/131	EGH		01.95-03.01		0 986 357 248		B 248	
Neon										
2.0	2,0	98	ECB		09.99-08.05		0 986 357 270		B W270	
		112	ECH		09.00-08.05		0 986 357 270		B W270	
Spirit										
2.5	2,5	74	EDM		10.88-08.93		0 986 356 834		B 834	

FIAT

Albea										
1.2	1,2	44	188 A4.000 <M6>		01.02→					
		57-59	188 A5.000 <M10>		01.02→		0 986 357 181		B 181	
1.4	1,4	57	350 A1.000 <M13>		07.06→		0 986 357 286		B 286	
1.6	1,6	76	182 B6.000 <M21>		01.02→		0 986 357 261		B W261	
						WW	0 986 356 787		B 787	
Brava										
1.2	1,2	60	182 B2.000 <M1>; 188 A5.000 <M2>		11.98-09.01		0 986 357 181		B 181	
1.4	1,4	55/59	182 A3.000 <M1>; 182 A5.000 <M2>		10.95-10.98	RBE	0 356 912 881		ES 881	
1.6	1,6	66/75/76/77	182 A4.000 <M3>; 182 A4.000 <M5>; 182 A4.027 <M5>; 182 A4.027 <M6>; 182 A6.000 <M4>; 182 B6.000 <M8>		10.95-12.01		0 986 357 261		B W261	
						WW	0 986 356 787		B 787	
Bravo										
1.2	1,2	60	182 B2.000 <M1>; 188 A5.000 <M2>		11.98-09.01		0 986 357 181		B 181	
1.4	1,4	55/59	182 A3.000 <M1>; 182 A5.000 <M2>		10.95-10.98	RBE	0 356 912 881		ES 881	
1.6	1,6	66/75	178 A8.011 <M6>; 182 A4.000 <M3>; 182 A4.000 <M5>; 182 A6.000 <M4>; 182 B6.000 <M8>		10.95-09.01		0 986 357 261		B W261	
						WW	0 986 356 787		B 787	
1.8	1,8	83	182 A2.000 <M5>		10.95-10.98		0 986 357 261		B W261	
						WW	0 986 356 787		B 787	
Cinquecento										
1.1	1,1	40	176 B2.000 <M6>		10.94-07.98		0 986 356 754		B 754	
700	0,7	22/23	170 A.000 <M1>; 170 A.046 <M4>		07.91-07.98		0 986 356 752		B 752	



1 2 3 4 5 6 7 8

DAIHATSU

				Applause
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044

				Charade
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044
0986 356 171	0986 356 172	0986 356 173	0986 356 174	0986 356 044

			Cuore
0986 356 025	0986 356 025	0986 356 023	0986 356 044

			Domino
0986 356 008	0986 356 008	0986 356 006	0986 356 042

				Feroza
0986 356 173	0986 356 172	0986 356 171	0986 356 170	0986 356 040

				Gran Move
0986 356 025	0986 356 025	0986 356 023		0986 356 044

DODGE

Caravan

Neon

Spirit

FIAT

				Albea
0986 356 267	0986 356 266	0986 356 265	0986 356 264	

Brava

Bravo

				Cinquecento
0986 356 267	0986 356 266	0986 356 265	0986 356 264	
0986 356 032	0986 356 032			



	l/100km	kW	Typ					SET

◀ FIAT

900	0,9	29/30/31	170 A1.000 <M2>; 170 A1.046 <M3>; 1170 A1.000 <M7>; 1170 A1.046 <M5>	07.91-07.98		0 986 356 717	B 717	
Coupé								
2.0	2,0	104	836 A3.000 <M1>; 836 A3.011 <M3>	04.94-09.96		0 986 356 791	B 791	
		143	175 A1.000 <M2>	04.94-09.96		0 986 356 709	B 709	
Croma								
2.0	2,0	74	154 C5.000 CHT	07.90-11.92		0 986 356 874	B 874	
		85	834 B.146 <M6>	11.92-12.96		0 986 356 874	B 874	
		85/86/88/110/ 116	154 C3.000 <M1>; 154 C3.046 <M2>; 154 C4.000 <M3>; 154 C4.046 <M4>	07.90-12.96		0 986 356 874	B 874	
Doblo								
1.2	1,2	48	223 A5.000 <M1>	07.00-09.05				
1.4	1,4	55	350 A1.000 <M11>	10.05-12.10		0 986 357 286	B 286	
1.6	1,6	68-76	182 B6.000 <M6/M11>	01.03-09.05		0 986 357 261	B W261	
		76	182 B6.000 <M26>	10.05-12.10	WW	0 986 356 787	B 787	
Doblo Cargo								
1.2	1,2	47	223 A5.000 <M1>	07.00-09.05				
1.4	1,4	57	350 A1.000 <M11>	10.05-12.10		0 986 357 286	B 286	
1.6	1,6	68-76	182 B6.000 <M6/M11>	01.03-09.05		0 986 357 261	B W261	
		76	182 B6.000 <M26>	10.05-12.10	WW	0 986 356 787	B 787	
Ducato								
2.0	2,0	55/63	170 B (XN1T) <M1>; 170 C (XN1TA) <M2>; 170 D <M3>; 170 D (XN1TA) <M3>; 170D <M3>	07.90-02.94		0 986 356 795	B 795	
		79	R5B <M2>	03.94-03.02		0 986 356 854	B 854	
Fiorino								
1.1	1,1	40	146 A9.000 <M1>	01.88-08.93				
1.3	1,3	49	146 A5.000 <M2>; 146 A5.000 <M3>	01.88-12.01				
1.4	1,4	51-57	350 A1.000 <M18>	10.09→		0 986 357 286	B 286	
		52	146 C5.000 <M1>	09.93-06.95		0 986 356 718	B 718	
1.6	1,6	55	146 C6.000 <M2>	09.93-06.95		0 986 356 718	B 718	
Idea								
1.4	1,4	57	350 A1.000 <M7>	09.08→		0 986 357 286	B 286	
Linea								
1.4	1,4	57	350 A1.000 <M13>	03.07→		0 986 357 286	B 286	
Marea								
1.2	1,2	60	182 B2.000 <M1>	03.99-09.02		0 986 357 181	B 181	
1.4	1,4	59	182 A3.000 <M1>	10.96-02.99		0 986 356 818	B 818	
1.6	1,6	68-76	182 A4.000 <M2>; 182 A4.000 <M5>; 182 B5.098 <M6>; 182 B6.000 <M8>; 185 A3.000 <M5>; 185 A3.000 <M7>	10.96-12.02		0 986 357 261	B W261	
					WW	0 986 356 787	B 787	
Multipla								
1.6	1,6	68-76	182 A4.000 <M1>; 182 B6.000 <M3>; 182 B6.000 <M4>; 182 B6.000 <M8>; 182 B6.000 <M9>; 186 A3.000 <M3>; 186 A4.000 <M2>	01.99-12.10		0 986 357 261	B W261	
					WW	0 986 356 787	B 787	
Palio								
1.0	1,0	40	178 D 9.011 <Fire>	01.04-12.07		F 000 99C 130	CS	
1.1	1,1	40	178 B9.033 <M1>	03.98-07.01		0 986 356 853	B 853	
1.2	1,2	44	188 A4.000 <M6>; 188 A4.000 <M10>	01.01→				
		44/46/54	178 B5.000 <M5>; 178 B5.000 <M7>; 178 B5.000 <M11>; 178 B7.045 <M8>; 178 C4.066 <M5>; 178 C4.066 <M6>; 178 E 2.000 <M4>	03.99→		0 986 356 754	B 754	
		59	188 A5.000 <M10>	10.01→		0 986 357 181	B 181	
1.4	1,4	57	350 A1.000 <M13>	07.03→		0 986 357 286	B 286	
		63-63	310A2011 <Fire>	06.12→		F 000 99C 130	CS	
1.6	1,6	74/76	176 D2.011 <M27>; 178 B3.000 <M25>; 178 C7.098 <M7>; 182 B6.000 <M20>; 182 B6.000 <M21>; 182 B6.000 <M28>	11.97→		0 986 357 261	B W261	
					WW	0 986 356 787	B 787	
75	1,2	54	178 B5.000 <M1>	09.97-09.01		0 986 356 754	B 754	
			188 A4.000 <M6>; 188 A4.000 <M9>	08.00-09.04				
85	1,2	63	188 A5.000 <M10>	10.01-09.04		0 986 357 181	B 181	
100	1,6	76	178 B3.000 <M2>; 182 B6.000 <M21>; 182 B6.000 <M28>	09.97-09.04		0 986 357 261	B W261	
					WW	0 986 356 787	B 787	



1	2	3	4	5	6	7	8
0 986 356 032	0 986 356 032	0 986 356 033	0 986 356 033				

Coupé

				Croma
0 986 356 021	0 986 356 023	0 986 356 023	0 986 356 025	0 986 356 044
0 986 356 025	0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 044
0 986 356 025	0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 044

Doblo

0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264	
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Doblo Cargo

0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264	
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Ducato

Fiorino

0 986 356 017	0 986 356 017	0 986 356 019	0 986 356 019	0 986 356 046
0 986 356 019	0 986 356 017	0 986 356 017	0 986 356 019	0 986 356 040

Idea

Linea

Marea

0 986 356 131	0 986 356 130	0 986 356 130	0 986 356 129	
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Multipla

Palio

0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055	0 986 356 004
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264	
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264	

0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264	
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264	





FIAT

Panda

1.1	1,1	40	187 A1.000 <M1>	10.03-12.09		
1.2	1,2	44	188 A4.000 <M5>	10.03-12.09		
		51	169 A4.000	02.12→		0 986 357 286 B 286
750	0,8	25	141 B.000 <M1>	07.90-07.92		0 986 357 146 B 146
			156 A4.000 <M2>; 156 A4.048 <M3>	07.90-12.92		0 986 356 853 B 853
900	0,9	29	1170 A1.046 <M10>	04.92-09.03		0 986 357 096 B 096
		33	146 A.048 <M4>	07.90-03.92		0 986 357 146 B 146
1000	1,0	33	141 C2.000 <M11>	01.95-09.03	MAR	0 986 356 754 B 754
			156 A2.246 <M2>; 156 A2.246 <M7/M16>			
			→Mot.Nr. 5524923	07.90-03.97	MAR	0 986 356 754 B 754
			Mot.Nr. 5524924 →	07.90-03.97	MAR	
		33/35	156 A2.000 <M5>; 156 A2.100 <M6>; 156 A2.146 <M10>	10.87-03.97		0 986 356 853 B 853
		37	156 A3.000 <M1>	07.90-12.95		0 986 356 853 B 853
1100	1,1	37	156 C.046 <M3>			
			→Mot.Nr. 5524923	01.93-12.94	MAR	0 986 356 754 B 754
			Mot.Nr. 5524924 →	01.93-12.94	MAR	
			156 C.046 <M9>	07.90-12.92	MAR	
			→Mot.Nr. 5524923	01.93-03.97	MAR	0 986 356 754 B 754
			Mot.Nr. 5524924 →			
			187 A1.000 <M15>	12.00-09.03		
		40	176 B2.000 <M4>	01.95-09.03	MAR	0 986 356 754 B 754
			176 B2.000 <M12>	01.95-09.03	MAR	0 986 356 754 B 754
					ZMM	0 986 356 818 B 818

Petra

1.2	1,2	59	188 A5.000 <M10>	03.03→		0 986 357 181 B 181
1.6	1,6	76	182 B6.000 <M21>	07.02→		0 986 357 261 B W261
					WW	0 986 356 787 B 787

Punto

1.1	1,1	40	176 B2.000 <M1>	05.97-08.99		0 986 356 754 B 754
1.2	1,2	44/59	188 A4.000 <M1>; 188 A4.000 <M1/M2>; 188 A4.000 <M1/M2/M3>; 188 A4.000 <M4>; 188 A4.000 <M4/CF3>	07.99-12.10		
		48	199 A4.000 <ECOFC4; M4>	10.09→		0 986 357 286 B 286
		59	188 A5.000 <M5/CF2>; 188 A5.000 <M6>; 188 A5.000 <M6/CF3>	07.99-12.10		0 986 357 181 B 181
1.4	1,4	55/56/57	199 A7.000; 350 A1.000 <M7>; 350 A1.000 <M11>; 350 A1.000 <M18>	10.09→		0 986 357 286 B 286
55	1,1	40	176 A6.000 <M1>; 176 A6.000 <M6>; 176 B2.000 <M1>; 176 B2.000 <M6>	08.93-08.99		0 986 356 754 B 754
60	1,2	43/44	176 A7.000 <M2>; 176 B1.000 <M5>; 176 B4.000 <M2>; 176 B4.000 <M7>	08.93-08.99		0 986 356 754 B 754
75	1,2	54	176 A8.000 <M3>	08.93-08.99		0 986 356 754 B 754
85	1,2	63	176 B9.000 <M4>	05.97-08.99		0 986 357 258 B W258
90	1,6	65	176 A9.000 <M4>	01.94-04.97		0 986 356 738 B 738

Punto Grande

1.2	1,2	48/51	169 A4.000; 199 A4.000 <M4>	10.05→		0 986 357 286 B 286
1.4	1,4	55/56/57	199 A7.000 <M12>; 350 A1.000 <M7>; 350 A1.000 <M11>; 350 A1.000 <M18>	10.05→		0 986 357 286 B 286

Qubo

1.4	1,4	51-57	350 A1.000 <M18>	10.09→		0 986 357 286 B 286
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Seicento

900	0,9	29	1170 A1.046 <M1>	03.98-12.03		0 986 356 717 B 717
1100	1,1	40	176 B2.000 <M2-SPI>	03.98-12.03		0 986 356 754 B 754
			187 A1.000 <M3-MPI>	09.00-04.06		

Siena

1.0	1,0	54-55	310 A 1011 <Fire>; 310A1011 <Fire>	01.10→		F 000 99C 130 CS
1.2	1,2	44	178 B5.000 <M7>; 178 B5.000 <M11>; 178 C4.066 <M5>; 178 C4.066 <M6>	03.99-03.04		0 986 356 754 B 754
1.6	1,6	76	178 B3.000 <M25>; 178 D2.011 <M27>; 182 B6.000 <M20>; 182 B6.000 <M28>	04.97-03.04		0 986 357 261 B W261
					WW	0 986 356 787 B 787

Strada

1.2	1,2	44	178 B5.000 <M1>	03.99-03.05		0 986 356 754 B 754
		54	188 A4.000 <M2>; 188 A4.000 <M3>	05.01-06.05		
1.4	1,4	63-63	310A2011 <Fire>	06.12→		F 000 99C 130 CS



1	2	3	4	5	6	7	8	
								Panda
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 034	0 986 356 034	0 986 356 033	0 986 356 032					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 034	0 986 356 034	0 986 356 033	0 986 356 032					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 034	0 986 356 034	0 986 356 033	0 986 356 032					
0 986 356 034	0 986 356 034	0 986 356 033	0 986 356 032					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 131	0 986 356 130	0 986 356 130	0 986 356 129					
								Petra
								Punto
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
								Punto Grande
								Qubo
								Seicento
0 986 356 032	0 986 356 032	0 986 356 033	0 986 356 033					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
								Siena
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
								Strada
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					





FIAT

Tempra								
1.4	1,4	51	160 A1.046 <M1>	04.93-12.96		0 986 356 846	B 846	
			160 A1.046 <M2>	03.92-03.93		0 986 356 718	B 718	
		56	159 A2.000 <M1>; 159 A2.000 <M6>	02.90-12.96		0 986 356 792	B 792	
1.6	1,6	55	159 A3.048 <M3>	04.93-12.96	KL	0 986 356 846	B 846	
			159 A3.048 <M5>	06.92-03.93	AG,LH	0 986 356 846	B 846	
		57	159 A3.046 <M4>	06.90-07.92	AG,MLK	0 986 356 718	B 718	
					GS	0 986 356 846	B 846	
					AG,LH	0 986 356 718	B 718	
					GS	0 986 356 718	B 718	
					AG,MLK	0 986 356 718	B 718	
					GS	0 986 356 846	B 846	
		62	159 A3.000 <M3>	02.90-03.93	AG	0 986 356 718	B 718	
			159 A3.000 <M4>	04.93-12.96	GS	0 986 356 846	B 846	
			159 A3.098 <M8>	04.93-12.96		0 986 356 846	B 846	
		66	159 B9.000 <M5>	05.94-12.96		0 986 356 738	B 738	
1.8	1,8	77	159 A4.046 <M1>	04.93-12.96		0 986 356 861	B 861	
			159 A4.046 <M2>	06.90-03.93		0 986 356 861	B 861	
2.0	2,0	81/83-85	159 A6.011 <M6>; 159 A6.046 <M2>; 159 A6.046 <M3>	02.90-12.96		0 986 356 861	B 861	
Tipo								
1.1	1,1	41	160 A3.000 <M1>	07.87-03.93		0 986 356 853	B 853	
1.4	1,4	51/52	160 A1.046 <M1>; 160 A1.046 <M5>; 836 A4.000 <M7>	05.89-10.95		0 986 356 718	B 718	
		56	159 A2.000 <M3>	01.90-03.93		0 986 356 846	B 846	
1.6	1,6	55/57	159 A3.046 <M8>; 159 A3.048 <M9>	03.90-03.93		0 986 356 846	B 846	
1.8	1,8	66/71/77	835 C2.000 <M1>; 835 C4.000 <M4>; 836 A5.000 <M7>; 836 A6.000 <M8>	03.93-10.95		0 986 356 861	B 861	
			77/80	159 A4.000 <M1>; 159 A4.046 <M2>	06.90-03.93		0 986 356 861	B 861
			101	160 A5.000 <M2>	06.89-09.91		0 986 356 791	B 791
2.0	2,0	83	159 A5.046/6.046 <M3>	03.90-03.92		0 986 356 861	B 861	
		85	159 A6.046 <M2>	03.93-10.95		0 986 356 861	B 861	
		104/107	160 A8.046 <M1>; 836 A3.000 <M3>	12.90-10.95		0 986 356 791	B 791	
Ulysse								
2.0	2,0	90/110	RFU <M1>; RGX <M2>	09.94-05.00		0 986 357 098	B 098	
Uno								
0.9	0,9	33	146 A.048 <M1>	09.89-09.92		0 986 356 785	B 785	
				09.89-03.94		0 986 357 146	B 146	
1.0	1,0	32	156 A2.048	09.89-05.91				
		32/33	156 A2.100 <M5>; 156 A2.246 <M6>	09.89-03.94		0 986 356 853	B 853	
		33	146 A2.166 <M1>	01.98-05.00		0 986 356 853	B 853	
			146 A2.166 <M10>; 156 A2.000 <M3>	09.89-03.94		0 986 356 853	B 853	
		40	178 D 9.011 <Fire>	12.05-06.06		F 000 99C 130	CS	
1.1	1,1	37,5	156 C.046 <M7>	09.89-03.94				
		40	160 A3.000 <M6>	01.98-12.03		0 986 356 853	B 853	
		41	160 A3.000 <M4>	09.89-05.96		0 986 356 853	B 853	
				01.99-12.00		0 986 356 853	B 853	
		42	146 A6.000 <M1>	09.87-09.91				
		43	146 A4.048 <M1>	09.89-09.92		0 986 356 785	B 785	
			146 A6.000 <M2>	09.89-09.92		0 986 356 737	B 737	
1.2	1,2	44	178 D5.066 <M5>	04.00-03.04		0 986 356 754	B 754	
1.3	1,3	74	146 A2.246 <M3>	09.89-03.91	GO	0 986 356 857	B 857	
1.4	1,4	51/52	146 C1.000 <M3>; 146 C2.028 <M7>; 160 A1.046 <M4>; 160 A1.048 <M5>	09.89-03.94		0 986 356 718	B 718	
		52	146 C1.000	05.95-05.96		0 986 357 146	B 146	
		84	146 A8.046 <M2>	10.90-12.93	GO	0 986 356 857	B 857	
1.5	1,5	55	149 C1.000 <M6>	09.89-03.94		0 986 356 718	B 718	
500								
1.2	1,2	51	169 A4.000; 169 A4.000 <M8>	07.07→		0 986 357 286	B 286	



1	2	3	4	5	6	7	8	
								Tempra
								0 986 356 038
								0 986 356 038
								0 986 356 038
0 986 356 017	0 986 356 032	0 986 356 034	0 986 356 034					0 986 356 049
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
								0 986 356 038
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 025					0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
								Tipo
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
								0 986 356 038
								0 986 356 038
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 040
								Ulysse
								Uno
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055					0 986 356 004
0 986 356 019	0 986 356 017	0 986 356 017	0 986 356 019					0 986 356 040
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
0 986 356 017	0 986 356 032	0 986 356 034	0 986 356 035					0 986 356 046
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264					
0 986 356 032	0 986 356 033	0 986 356 034	0 986 356 035					0 986 356 044
0 986 356 032	0 986 356 033	0 986 356 034	0 986 356 035					0 986 356 044





FORD

Cougar							
2.0	2,0	96	EDBA <ZH20 Zetec E DOHC>; EDBB <ZH20 Zetec E DOHC>; EDBC <ZH20 Zetec E DOHC>; EDBD <ZH20 Zetec E DOHC>	08.98-12.00		0 986 357 141	B 141
2.5	2,5	125/147-151	LCBA <MP25 Duratec-VE SEFI>; LCBB <MP25 Duratec-VE SEFI>; LCBC <MP25 Duratec-VE SEFI>; LCBE <MP25 Duratec-VE SEFI>; MABB <MP25 Duratec-VE SEFI>	08.98-12.00		0 986 356 959	B 959
Escort RS							
2.0	2,0	162	N5F <DOHC Cosworth>	04.92-02.93		0 986 356 770	B 770
2000	2,0	110	N7A <DOHC 16V EFI>	01.95-08.96		0 986 356 833	B 833
			N7A <DOHC-16V EFI>	05.91-01.92	WW	0 986 357 235	B 235
				09.91-12.94		0 986 356 833	B 833
Escort VII							
1.3	1,3	44	J4B <Endura-E SEFI>; J6A <BL13 HCS CFI>	01.95-09.01		0 986 357 257	B W257
1.4	1,4	54	F4B <HL14 CVH, PTE/SEFI>	01.95-09.01		0 986 356 887	B 887
1.6	1,6	65/66	L1E <ZH16 ZETEC>; L1E <ZH16, ZETEC-E>; L1H <ZH16, ZETEC-E>; L1K <ZH16, ZETEC-E>	01.95-09.01		0 986 356 805	B 805
		66	L7 <ZETEC, CFI>	08.96-01.00		0 986 356 805	B 805
1.8	1,8	77	RDA <ZH18, ZETEC>	01.95-09.01		0 986 356 805	B 805
		85	RKC <ZETEC>	09.96-01.00		0 986 356 805	B 805
			RKC <ZH18, ZETEC-E>	09.95-09.01		0 986 356 805	B 805
			<ZETEC>	09.96-01.00		0 986 356 805	B 805
Escort VII Express							
1.4	1,4	54	F4B <HL14 CVH, PTE/SEFI>	01.95-09.01		0 986 356 887	B 887
Escort V/VI							
1.1	1,1	40	GUF <HCS 2V HC>	08.90-12.94		0 986 356 700	B 700
1.3	1,3	44/46	JBD <HCS 2V HS>; JBE <HCS 2V HC>; J6A <HCS CFI HC>	08.90-12.94		0 986 356 700	B 700
1.4	1,4	52-55	FUH <CVH 2V LC>; F4B <CVH, PTE/SEFI>; F6F <CVH CFI LC>; F6G <CVH CFI LC>	08.90-12.94		0 986 356 887	B 887
1.6	1,6	65/66	LUJ <CVH 2V HC>; LUK <CVH 2V HC>	08.90-12.94		0 986 356 887	B 887
			L1E <ZETEC>; L1H <ZETEC>	09.92-12.94		0 986 356 805	B 805
		77-79	LJE <CVH EFI HC>; LJF <CVH EFI HC>	08.90-09.92		0 986 356 849	B 849
					WW	0 986 357 245	B 245
1.8	1,8	77/96	RDA <ZETEC>; RQB <ZETEC>	02.92-12.94		0 986 356 805	B 805
Escort V/VI Express							
1.3	1,3	46	JBD <HCS 2V HC>	08.90-12.94		0 986 356 700	B 700
1.4	1,4	52	F6F <CVH CFI LC>; F6G <CVH CFI LC>	08.90-12.94		0 986 356 887	B 887
Escort XR3/XR3i							
1.6	1,6	65-66	L1E <ZH16, ZETEC-E>; L1H <ZH16, ZETEC-E>; L1K <ZH16, ZETEC-E>	01.95-09.01		0 986 356 805	B 805
1.8	1,8	77/85/96	RDA <ZETEC>; RDA <ZH18, ZETEC>; RKC <ZH18, ZETEC-E>; RQB <ZETEC>; RQB <ZH18, ZETEC>	02.92-09.01		0 986 356 805	B 805
Fiesta III							
1.0	1,0	33	TLB <HCS 1V HC>	03.89-09.91		0 986 356 700	B 700
1.1	1,1	36-37/40	GU... <HCS 2V HC>; G6A <HCS CFI HC>	03.89-12.96		0 986 356 700	B 700
1.3	1,3	43-44	JBC <HCS 2V HC>; J6B <HCS CFI HC>	06.91-12.96		0 986 356 700	B 700
1.4	1,4	52/54-55	FU... <CVH 2V LC>; FUF <CVH 2V HC>; F4A <CVH EFI HC>; F6E <CVH CFI HC>	09.89-12.96		0 986 356 887	B 887
1.6	1,6	65-66	L1G <ZH SEFI>	02.94-12.96		0 986 356 805	B 805
		66	LUH <CVH 2V HC>	09.89-12.96		0 986 356 887	B 887
		76/81/96-98	LHA <CVH EFI HC>; LJC <CVH EFI HC>; LJD <CVH EFI HC>	09.89-12.96		0 986 356 849	B 849
					WW	0 986 357 245	B 245
1.8	1,8	77/93-96	RDA <ZH SEFI>; RDB <ZH SEFI>; RQC <ZH SEFI>	02.92-12.96		0 986 356 805	B 805
Fiesta III Courier							
1.3	1,3	44	JBC <HCS 2V>; JBC <HCS 2V HC>; J6B <HCS CFI>	09.91-08.96		0 986 356 700	B 700
Fiesta IV							
1.25	1,2	55	DH... <ZH12, Zetec-SE>	11.95-05.98		0 986 356 805	B 805
				06.98-12.02		0 986 357 208	B 208
1.3	1,3	37/44	JJ... <BL13, Endura-E, SEFI>; J4... <BL13, Endura-E, SEFI>	11.95-08.98		0 986 357 257	B W257
				09.98-12.02	ZMM	0 986 357 221	B 221



1 2 3 4 5 6 7 8

FORD

Cougar

Escort RS

Escort VII

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

Escort VII Express

Escort V/VI

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 114 0 986 356 113 0 986 356 112 0 986 356 111

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

Escort V/VI Express

Escort XR3/XR3i

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

Fiesta III

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 114 0 986 356 113 0 986 356 112 0 986 356 111

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

Fiesta III Courier

Fiesta IV

0 986 356 147 0 986 356 148 0 986 356 148 0 986 356 146





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1.4	1,4	66	FH... <ZH14, Zetec-SE, SEFI>	01.96-05.98 06.98-12.00		0 986 356 805	B 805	
1.6	1,6	76	L1... <ZH16 Zetec-SE, SEFI>	02.00-12.02		0 986 357 208	B 208	
Fiesta IV Courier								
1.3	1,3	44	J4... <BL13, Endura-E, SEFI>	11.95-08.98 09.98-12.02	ZMM	0 986 357 257	B W257	
1.4	1,4	66	FH... <ZH14, Zetec-SE, SEFI>	01.96-05.98 06.98-12.00		0 986 356 805	B 805	
Fiesta V								
1.25	1,2	51/55	FUJ... <Duratec 16V SFI>; M7J... <Duratec 16V SFI>	12.02-01.07		0 986 357 208	B 208	
1.4	1,4	59	FXJ... <Duratec 16V SFI>	11.01-01.07		0 986 357 208	B 208	
1.6	1,6	74	FYJ... <Duratec 16V SFI>	11.01-01.07		0 986 357 208	B 208	
2.0	2,0	110	N4JB <Duratec 16V SFI>	11.04-09.08		0 986 357 271	B 271	
Focus C-Max								
1.6	1,6	74/85	HWD... <Duratec-16V SFI>; HXDA <ZH16, Zetec-SE, TI-VCT>; SIDA <Duratec-16V HPDC>	09.03-03.07		0 986 357 208	B 208	
Focus I								
1.4	1,4	55	FXD... <ZH14, Zetec-SE, SFI>; FXDA <ZH14, Zetec-SE>; FXDA <ZH14, Zetec-SE, SFI>; FXDB <ZH14, Zetec-SE, SFI>; FXDC <ZH14, Zetec-SE, SFI>; FXDD <ZH14, Zetec-SE, SFI>	08.98-05.05		0 986 357 208	B 208	
1.6	1,6	74	FYD... <ZH16, Zetec-SE, SFI>	08.98-05.05		0 986 357 208	B 208	
			FYDA <ZH16, Zetec-SE, SFI>	11.98-05.05		0 986 357 208	B 208	
			FYDB <ZH16, Zetec-SE, SFI>	11.98-05.05		0 986 357 208	B 208	
			FYDC <ZH16, Zetec-SE, SFI>	11.98-05.05		0 986 357 208	B 208	
			FYDD <ZH16, Zetec-SE, SFI>	11.98-05.05		0 986 357 208	B 208	
		74-77	FYDH <ZH16 (FLEXFUEL)>	10.01-05.05		0 986 357 208	B 208	
1.8	1,8	85	EYD... <ZH18, Zetec-E, SFI>; EYDB <ZH18, Zetec-E, SFI>; EYDC <ZH18, Zetec-E, SFI>; EYDD <ZH18, Zetec-E, BI-FUEL>; EYDE <ZH18, Zetec-E, SFI>; EYDF <ZH18, Zetec-E, SFI>; EYDG <ZH18, Zetec-E, BI-FUEL>; EYDI <ZH18, Zetec-E, BI-FUEL>; EYDJ <ZH18, Zetec-E, BI-FUEL>; EYDL <ZH18, Zetec-E, BI-FUEL>	08.98-05.05		0 986 357 141	B 141	
2.0	2,0	96/127/158	ALDA <Duratec-ST>; EDD... <ZH20, Zetec-E, SFI>; EDDB <ZH20, Zetec-E, SFI>; EDDC <ZH20, Zetec-E, SFI>; EDDD <ZH20, Zetec-E, SFI>; EDDF <ZH20, Zetec-E, SFI>; HMDA <Duratec-RS>	08.98-05.05		0 986 357 141	B 141	
Focus II								
1.4	1,4	59	ASD... <ZH14, Zetec-SE, SFI>	07.04-03.07		0 986 357 208	B 208	
1.6	1,6	74/85	HWD... <Euro3/Euro4>; HWD... <ZH16, Zetec-SE, SFI>; HXD... <ZH16, Zetec-SE, TI-VCT>; SHDA <ZH16, Zetec-SE, HPDC>	07.04-03.07		0 986 357 208	B 208	
Fusion								
1.25	1,2	55	FUJ... <Euro3/Euro4>	03.05-01.07		0 986 357 208	B 208	
1.4	1,4	59	FXJ... <Euro3/Euro4/Euro5>	10.02-01.07		0 986 357 208	B 208	
1.6	1,6	74	FYJ... <Euro3/Euro4/Euro5>	10.02-01.07		0 986 357 208	B 208	
Galaxy								
2.0	2,0	85	NSE <DL20 DOHC, SEFI>	02.95-03.00		0 986 357 090	B 090	
2.3	2,3	103/107	E5SA <DH23 DOHC, 16V-SEFI>; E5SB <DH23 DOHC, 16V-SEFI>	04.00-08.06		0 986 357 090	B 090	
		107	Y5B <DH23 DOHC, 16V-SEFI>	01.97-03.00		0 986 356 833	B 833	
2.8	2,8	128	AAA <VW28, CD-VR6 SEFI>	02.95-04.98		0 986 356 384	B 384	
			AMY <VW28, CD-VR6 SEFI>	04.98-03.00		0 986 356 384	B 384	
Granada								
1.8	1,8	66	REC <TL-OHC 2V HC>	05.85-01.92	ZVD	0 986 356 868	B 868	
2.0	2,0	77-80/85/ 88-93	N8... <DL-DOHC 2V HC>; N8D <DL-DOHC 2V HC>; N9... <DL-DOHC EFI HC>; N9D <DL-DOHC EFI HC>; N9F <DL20 DOHC EFI H, C>; N9F <DL20 DOHC EFI HC>	05.89-09.94	WW	0 986 356 802	B 802	
						0 986 357 235	B 235	
2.4	2,4	92	ARD <TV24 V6 EFI HC>	02.92-09.94		0 986 356 879	B 879	
2.9	2,9	107	BR... <TV29 V6 EFI MC>	02.92-09.94		0 986 356 879	B 879	
			BRF <TV29 V6 EFI MC>	02.92-09.94		0 986 356 879	B 879	
		110	BRC <TV29 EFI HC>	09.88-01.92	ZVD	0 986 356 879	B 879	
		143	BOA <CP29 DOHC 24V>	02.92-09.94		0 986 356 870	B 870	





1	2	3	4	5	6	7	8
0986 356 147	0986 356 148	0986 356 148	0986 356 146				

Fiesta IV Courier

0986 356 147	0986 356 148	0986 356 148	0986 356 146				
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Fiesta V

Focus C-Max

Focus I

Focus II

Fusion

Galaxy

0986 356 113	0986 356 113	0986 356 111	0986 356 112				
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0986 357 717	0986 357 716	0986 357 716	0986 357 715	0986 357 715	0986 357 714		
0986 357 717	0986 357 716	0986 357 716	0986 357 715	0986 357 715	0986 357 714		

Granada

0986 356 119	0986 356 119	0986 356 120	0986 356 120				0986 356 098
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0986 356 118	0986 356 117	0986 356 116	0986 356 117	0986 356 116	0986 356 116		0986 356 099
0986 356 118	0986 356 117	0986 356 116	0986 356 117	0986 356 116	0986 356 116		0986 356 099
0986 356 118	0986 356 117	0986 356 116	0986 356 117	0986 356 116	0986 356 116		0986 356 099
0986 356 118	0986 356 117	0986 356 116	0986 356 117	0986 356 116	0986 356 116		0986 356 099





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Ka						
1.3	1,3	36/37	JJB <HCS,Endura-E SEFI>; JJD <HCS,Endura-E SEFI>; JJF <HCS,Endura-E SEFI>; JJG <HCS,Endura-E SEFI>; JJH <HCS,Endura-E SEFI>; JJL <HCS,Endura-E SEFI>	09.96-09.98		0 986 357 257 B W257
				10.98-10.02	ZMM	0 986 357 221 B 221
		44	J4D <HCS,Endura-E SEFI>; J4K <HCS,Endura-E SEFI>; J4M <HCS,Endura-E SEFI>; J4N <HCS,Endura-E SEFI>; J4P <HCS,Endura-E SEFI>; J4S <HCS,Endura-E SEFI>	09.96-10.02		0 986 357 257 B W257
Maverick						
2.0	2,0	91-95	YF <Zetec-E SEFI>	10.00-12.03		0 986 357 141 B 141
2.4	2,4	85/87/91	KA24 <OHC>; KA24 <OHC 12V SEFI>	06.93-12.98		0 986 356 807 B 807
					WW	0 986 357 236 B 236
Merkur						
2.9	2,9	107	<TV 29 EFI Kat>	05.88-02.93		0 986 356 879 B 879
Mondeo I						
1.6	1,6	65/66	L1... <ZH16,ZETEC>; L1... <ZH16,ZETEC-E>; L1F <ZH16,ZETEC>; L1J <ZH16,ZETEC-E>	01.93-07.96		0 986 356 805 B 805
1.8	1,8	82/85	RKA <ZH18,ZETEC>; RKB <ZH18, ZETEC-E>; RKB <ZH18,ZETEC-E>	01.93-07.96		0 986 356 805 B 805
2.0	2,0	97-100	NGA <ZH20,ZETEC>	01.93-07.96		0 986 356 805 B 805
2.5	2,5	125	SEA <MP25, DURATEC-VE>	08.94-07.96		0 986 356 959 B 959
Mondeo II						
1.6	1,6	65-66	L1J <ZH16, ZETEC-E>	08.96-04.98		0 986 356 805 B 805
				05.98-08.98		0 986 357 141 B 141
		70	L1... <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141 B 141
			L1L <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141 B 141
			L1N <ZH16, ZETEC-E>; L1Q <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141 B 141
1.8	1,8	85	RK... <ZH18, ZETEC-E>; RKB <ZH18, ZETEC-E>	08.96-04.98		0 986 356 805 B 805
				05.98-09.00		0 986 357 141 B 141
			RKF <ZH18, ZETEC-E>; RKH <ZH18, ZETEC-E>; RKJ <ZH18, ZETEC-E>	08.98-09.00		0 986 357 141 B 141
			RKK <ZH18, ZETEC-E>	08.96-04.98		0 986 356 805 B 805
				05.98-09.00		0 986 357 141 B 141
2.0	2,0	96	NG... <ZH20, ZETEC-E>; NGA <ZH20, ZETEC-E>	08.96-04.98		0 986 356 805 B 805
				05.98-09.00		0 986 357 141 B 141
			NGB <ZH20, ZETEC-E>	08.98-09.00		0 986 357 141 B 141
			NGC <ZH20, ZETEC-E>; NGD <ZH20, ZETEC-E>	08.96-04.98		0 986 356 805 B 805
				05.98-09.00		0 986 357 141 B 141
2.5	2,5	125	SE... <MP25, DURATEC-VE>; SEA <MP25, DURATEC-VE>; SEB <MP25, DURATEC-VE>; SEC <MP25, DURATEC-VE>	08.96-09.00		0 986 356 959 B 959
Mondeo III						
1.8	1,8	81/92	CGB... <Duratec-HE SFI>; CGBA <Duratec-HE SFI>; CGBB <Duratec-HE SFI>; CHB... <Duratec-HE SFI>; CHBA <Duratec-HE SFI>; CHBB <Duratec-HE SFI>	10.00-03.07		0 986 357 271 B 271
2.0	2,0	107	CJB... <Duratec-HE SFI>; CJBA <Duratec-HE SFI>; CJBB <Duratec-HE SFI>	10.00-03.07		0 986 357 271 B 271
Mondeo IV						
1.6	1,6	81/92	PNBA <Euro4>; RHBA <Euro4>	02.07-03.07		0 986 357 208 B 208
Orion III						
1.3	1,3	44/46	JBD <HCS 2V HC>; JBE <HCS 2V HC>; J6A <HCS CFI HC>	07.90-12.93		0 986 356 700 B 700
1.4	1,4	52/54	FUH <CVH 2V LC>; F6F <CVH CFI LC>	07.90-12.93		0 986 356 887 B 887
1.6	1,6	66	LUJ <CVH 2V HC>; LUK <CVH 2V HC>	07.90-12.93		0 986 356 887 B 887
			L1E <ZETEC>	09.92-12.93		0 986 356 805 B 805
		77/79	LJE <CVH EFI HC>; LJF <CVH EFI HC>	07.90-09.92		0 986 356 849 B 849
					WW	0 986 357 245 B 245
1.8	1,8	77/96	RDA <ZETEC>; RQB <ZETEC>	02.92-12.93		0 986 356 805 B 805
P 100						
2.0	2,0	57	NAE <OHC VV LC>	01.88-12.92		0 986 356 868 B 868
Probe						
2.2	2,2	108		09.88-08.92		0 986 356 706 B 706
Puma						
1.4	1,4	66	FHD <ZH14,Zetec-SE,SEFI>; FHF <ZH14,Zetec-SE,SEFI>	01.98-05.98		0 986 356 805 B 805
				05.98-11.00		0 986 357 208 B 208
1.6	1,6	75	L1W <ZH16,Zetec-SE SFI>	08.00-12.01		0 986 357 208 B 208
1.7	1,7	92	MHA <ZH17,Zetec-S,VCT>; MHB <ZH17,Zetec-S,VCT>	06.97-04.00		0 986 356 805 B 805
				05.00-12.01		0 986 357 208 B 208



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Ka

Maverick

0 986 356 002 0 986 356 004 0 986 356 004 0 986 356 006 0 986 356 042

Merkur

0 986 356 118 0 986 356 117 0 986 356 116 0 986 356 117 0 986 356 116 0 986 356 116 0 986 356 099

Mondeo I

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

Mondeo II

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

Mondeo III

Mondeo IV

Orion III

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 114 0 986 356 113 0 986 356 112 0 986 356 111

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

0 986 356 119 0 986 356 119 0 986 356 120 0 986 356 120 P 100 0 986 356 098

0 986 356 097

Puma

0 986 356 147 0 986 356 148 0 986 356 148 0 986 356 146

0 986 356 147 0 986 356 148 0 986 356 148 0 986 356 146





◀ FORD

Scorpio I							
1.8	1,8	66	REC <TL-OHC 2V HC>	09.87-01.92	ZVD	0 986 356 868	B 868
2.0	2,0	77-80/85/88-90	N8... <DL-DOHC 2V HC>; N9... <DL-DOHC EFI>; N9B <DL-DOHC EFI>; N9D <DL-DOHC EFI>; N9F <DL20 DOHC EFI>	05.89-09.94	WW	0 986 356 802	B 802
		85	NRA <TL-OHC EFI HC>; NRI <TL-OHC EFI HC>	05.85-01.92	ZVD	0 986 356 868	B 868
2.4	2,4	92	ARD <TV24 EFI HC>	10.88-01.92	ZVS	0 986 356 879	B 879
			ARD <TV24 V6 EFI EC>	02.92-09.94		0 986 356 879	B 879
2.9	2,9	107	BRF <TV29 V6 EFI MC>	02.92-09.94		0 986 356 879	B 879
		107/110	BR... <TV29 EFI MC>; BRC <TV29 EFI HC>; BRE <TV29 EFI MC>	09.88-01.92	ZVD	0 986 356 879	B 879
		143	BOA <CP29 DOHC 24V>	04.91-09.94		0 986 356 870	B 870
Scorpio II							
2.0	2,0	85	NSD <DL20 DOHC SEFI>	10.94-12.98		0 986 357 051	B 051
		100	N3A <DH20 DOHC SEFI>	10.94-04.96		0 986 356 833	B 833
2.3	2,3	108	Y5A <DH23 DOHC SEFI>	05.96-12.98		0 986 356 833	B 833
Sierra II							
1.6	1,6	53/55	LSE <TL-OHC 2V HC>; LSF <TL-OHC 2V HC>	01.87-02.93	ZVD	0 986 356 868	B 868
		59	L6B <HL-CVH CFI HC>	10.89-02.93		0 986 356 829	B 829
1.8	1,8	63	R6A <HL-CVH CFI>	04.92-02.93		0 986 357 257	B W257
		64-66	R2... <HL-CVH 2V HC>	05.88-02.93		0 986 356 724	B 724
		65-66	RED <TL-OHC 2V HC>	03.87-02.93		0 986 356 868	B 868
2.0	2,0	74	NE... <TL-OHC 2V HC>	01.87-02.93	ZVD	0 986 356 868	B 868
				10.87-02.93		0 986 356 868	B 868
		74/85	N4A <TL-OHC EFI HC>; N4B <TL-OHC EFI LC>	01.87-02.93	ZVD	0 986 356 868	B 868
		75	N8C <DL-DOHC 2V HC>	05.89-02.93	WW	0 986 357 235	B 235
		77	NES <TL-OHC 2V HC>	01.87-02.93	GA	0 986 356 868	B 868
					GO	0 986 356 802	B 802
					GO,WW	0 986 357 235	B 235
					ZVD	0 986 356 868	B 868
		77-80	N8... <DL-DOHC 2V HC>; N8A <DL-DOHC 2V HC>	05.89-02.93	WW	0 986 356 802	B 802
					WW	0 986 357 235	B 235
2.9	2,9	85/87/88/90-92	N9A <DL-DOHC EFI HC>; N9C <DL-DOHC EFI HC>; N9E <DL-DOHC EFI HC>	05.89-02.93	WW	0 986 356 802	B 802
					WW	0 986 357 235	B 235
		162	N5... <CH-DOHC HC>; N5C <CH-DOHC HC>; N5D <CH-DOHC HC>	02.90-02.93		0 986 356 770	B 770
		107/110	B4... <TV-V6 EFI HC>; B4A <TV-V6 EFI HC>	08.88-02.93		0 986 356 879	B 879
Taurus							
1.6	1,6	52		10.88-12.99			
2.0	2,0	74-75	NER <OHC>	10.89-12.99			
Tourneo Connect							
1.8	1,8	81-85	EYPA <Euro3>; EYPC <Euro3>	05.02-06.10		0 986 357 141	B 141
Transit							
FT 080	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 100	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 120	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 150	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 190	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 260 K/S	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 K/S	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 L	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 M	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 300 K/S	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 300 L	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 300 M	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 K/S	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 L	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 M	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 EL	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 L	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 M	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
1.6	1,6	46	LA... <TL16 OHC VV LC>	10.88-07.91		0 986 357 129	B 129
1.8	1,8	81-85	EYPA <Euro3>; EYPC <Euro3>	05.02-06.10		0 986 357 141	B 141
2.0	2,0	55-57/65-66/72	NAT <TL20 OHC VV LC>; NAV <TL20 OHC VV LC>; NBA <TL20 OHC 2V HC>; NCA <TL20EFI OHC EFI>; NCA <TL20EFI OHC EFI HC>	10.88-07.94		0 986 357 129	B 129



1	2	3	4	5	6	7	8	
								Scorpio I
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 118	0 986 356 118	0 986 356 117	0 986 356 117	0 986 356 116	0 986 356 117			0 986 356 099
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
								Scorpio II
								Sierra II
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
								Taurus
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
								Tourneo Connect
								Transit
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 099
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 099





◀ FORD

2.0	2.0	57	N6T <TL20CFI OHC LC>	10.88-07.91	0 986 357 129	B 129
		84	NS... <DOHC 8V SEFI>; NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00	0 986 357 051	B 051
2.9	2.9	104/110	BRT <TV29 EFI OHV>; B4T <TV29 V6 EFI HC>	05.88-07.94		

FSO

Polonez

1.6	1,6	64	CB	05.87-06.91		
125						
1.5	1,5	55/60		06.72-02.91		

GAZ

Gazel

2.4	2,4	112	<DOHC>	07.05→	0 986 357 052	B 052
Sobol						
2.4	2,4	112	<DOHC>	01.94→	0 986 357 052	B 052
Volga						
2.4	2,4	112	EDZ <DOHC Euro 2>	07.05→	0 986 357 052	B 052

HONDA

Accord

1.6	1,6	85	D16B6	10.98-02.03	0 986 356 793	B 793
1.8	1,8	85	F18A3 <iES/iLS>; F18A3 <i/iS>	09.95-10.98	0 986 356 721	B 721
		100	F18B2	10.98-02.03	0 986 356 793	B 793
2.0	2,0	66/81/98/99	F20A2; F20A4; F20A6; F20A7	01.90-08.93	0 986 356 721	B 721
		85	F20Z2	03.93-09.95	0 986 356 776	B 776
		96	F20Z1	03.93-10.98	0 986 356 793	B 793
		100	F20B3 <iES>; F20B3 <iLS>	09.93-08.96	0 986 356 776	B 776
		108	F20B6	10.98-02.03	0 986 356 793	B 793
2.2						
2.2	2,2	108-110	F22A3	01.90-05.93	0 986 356 721	B 721
		110	F22B4; F22B5	09.93-12.01	0 986 356 776	B 776
			F22Z2	09.95-10.98	0 986 356 793	B 793
2.3	2,3	113	F23Z5	12.99-02.03	0 986 356 793	B 793
				11.00-08.02	0 986 356 793	B 793

Accord Aerodeck

2.0	2,0	98-100	F20B3 <iES>; F20B3 <iLS>	09.93-06.98	0 986 356 793	B 793
2.2	2,2	108-110	F22A7/8	01.91-06.94	0 986 356 721	B 721
		110	F22B5 <iES>; F22B5 <iLS>	09.93-09.97	0 986 356 793	B 793

Civic

1.3	1,3	55	D13B1; D13B2	10.87-09.95	0 986 356 721	B 721
1.4	1,4	55/66	D14A2; D14A3; D14A4; D14A7; D14A8; D14Z1; D14Z2; D14Z3; D14Z4	09.94-02.01	0 986 356 721	B 721
		66	D14A1	10.87-09.91	0 986 356 721	B 721
1.5	1,5	66	D15B1/2	10.87-09.91	0 986 356 721	B 721
			D15B2	10.88-09.91	0 986 356 721	B 721
				10.91-09.95	0 986 356 721	B 721
			D15Z1	10.91-09.95	0 986 356 721	B 721
			D15Z3; D15Z3 <iLS>	09.94-08.95		
1.6	1,6	81/85	D16A6; D16A7	10.87-06.95	0 986 356 721	B 721
		83/84/85/93/118	D16B2; D16W3; D16W4; D16Y2; D16Y3; D16Y5	09.94-02.01	0 986 356 721	B 721
		92	D16Z6; D16Z9	10.91-12.95	0 986 356 721	B 721

Civic CRX

1.6	1,6	92/118	B16A; D16Y; D16Z	03.92-12.98	0 986 356 721	B 721
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Concerto

1.4	1,4	65/78	D14A1	08.89-09.91	0 986 356 721	B 721
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1	2	3	4	5	6	7	8
0986 356 119	0986 356 119	0986 356 120	0986 356 120				0986 356 099

0986 356 118	0986 356 117	0986 356 116	0986 356 118	0986 356 116	0986 356 116		0986 356 099
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FSO

Polonez

0986 356 021	0986 356 021	0986 356 025	0986 356 027				0986 356 040
							125
0986 356 021	0986 356 021	0986 356 025	0986 356 027				0986 356 040

GAZ

Gazel

Sobol

Volga

HONDA

Accord

0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 171	0986 356 172	0986 356 173	0986 356 174
0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 174	0986 356 173	0986 356 172	0986 356 171
0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 174	0986 356 173	0986 356 172	0986 356 171
0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 174	0986 356 173	0986 356 173	0986 356 171

Accord Aerodeck

0986 356 174	0986 356 173	0986 356 173	0986 356 171
0986 356 171	0986 356 172	0986 356 173	0986 356 174
0986 356 174	0986 356 173	0986 356 173	0986 356 171

Civic

0986 356 174	0986 356 173	0986 356 172	0986 356 171
0986 356 171	0986 356 172	0986 356 173	0986 356 174
0986 356 174	0986 356 173	0986 356 172	0986 356 171
0986 356 174	0986 356 173	0986 356 172	0986 356 171
0986 356 174	0986 356 173	0986 356 172	0986 356 171
0986 356 171	0986 356 172	0986 356 173	0986 356 174
0986 356 171	0986 356 172	0986 356 173	0986 356 174
0986 356 171	0986 356 172	0986 356 173	0986 356 174
0986 356 174	0986 356 173	0986 356 172	0986 356 171
0986 356 171	0986 356 172	0986 356 173	0986 356 174
0986 356 174	0986 356 173	0986 356 172	0986 356 171
0986 356 171	0986 356 172	0986 356 173	0986 356 174

Civic CRX

0986 356 171	0986 356 172	0986 356 173	0986 356 174
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Concerto

0986 356 174	0986 356 173	0986 356 172	0986 356 171
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◀ HONDA

1.5	1,5	66	D15B2	08.89-03.95	0 986 356 721	B 721	
1.6	1,6	77/82	D16Z1; D16Z2	08.89-03.95	0 986 356 721	B 721	
		90-96	D16A8	08.89-03.95	0 986 356 867	B 867	
CR-V							
2.0	2,0	94-96/108	B20B; B20B4; B20Z1	10.95-07.02	0 986 357 150	B 150	
HR-V							
1.6	1,6	77/92	D16W1; D16W2; D16W5	12.98-12.05	0 986 356 721	B 721	
Logo							
1.3	1,3	48	D13B7	02.99-03.02	0 986 356 721	B 721	
Prelude							
2.0	2,0	80/81-84	B20A; B20A3; B20A4	04.87-01.92	0 986 356 772	B 772	
		98	F20A4	02.92-12.99	0 986 356 776	B 776	
		101	B20A5	04.87-01.92	0 986 356 772	B 772	
2.3	2,3	118	H23A2	02.92-09.96	0 986 356 776	B 776	
Shuttle							
2.2	2,2	107	F22B8	01.95-12.97	0 986 356 793	B 793	
2.3	2,3	110	F23A7	01.98-05.01	0 986 356 793	B 793	

HYUNDAI

Accent							
1.3	1,3	44	G4AH	05.99-09.02	0 986 356 898	B 898	
		44/53/55/ 61-63/67	G4E-A; G4EH; G4EH <Kat.>; G4EH <SOHC>	04.94-07.00	0 986 356 898	B 898	
1.5	1,5	63/65-68/73	G4EK; G4EK <SOHC>; G4FK	07.94-07.99	0 986 356 898	B 898	
		66	G4EB <SOHC Alpha>	08.99-03.06	0 986 356 898	B 898	
		69	Alpha	11.99→	0 986 356 898	B 898	
Atos							
0.8	0,8	39-42	G4HA <Epsilon>	09.97-08.00	MZV	0 986 356 990	B 990
				09.00-06.01	MZV	0 986 356 898	B 898
1.0	1,0	40	G4HC <Epsilon>	12.97-08.00	MZV	0 986 356 990	B 990
				09.00-06.01	MZV	0 986 356 898	B 898
				07.01-04.03		0 986 356 898	B 898
43			G4HC-E				
Coupé							
1.6	1,6	84-85	G4GR <Beta>	05.96-04.02	0 986 356 970	B 970	
2.0	2,0	99-102	G4... <Beta>	05.96-04.02	0 986 356 970	B 970	
Elantra							
1.5	1,5	53/63-66	G4DJ; G4DJ <New Orion>	10.90-04.95	0 986 356 813	B 813	
		65-68	G4EK <Alpha>	07.96-09.00	0 986 356 898	B 898	
1.6	1,6	78-84	G4DJ <New Sirius>	10.90-04.95	0 986 356 974	B 974	
		84	4G61	05.95-09.00	0 986 356 970	B 970	
1.8	1,8	93-93	G4CN	06.92-04.95	0 986 356 974	B 974	
		101	G4GM <Beta>	05.95-09.00	0 986 356 970	B 970	
2.0	2,0	102-105	G4GC... <2.0L MPI DOHC>	06.00-05.01	0 986 356 970	B 970	
Excel							
1.3	1,3	43	G4DG <New Orion>; G4DG <SOHC New Orion>	04.89-07.94	0 986 356 813	B 813	
		49/53	SOHC New Orion <G4DG>; 4G 13	04.89-07.94	0 986 356 813	B 813	
		55	G4EH	07.94-07.99	0 986 356 898	B 898	
1.5	1,5	53-62	G4DJ	04.89-07.94	0 986 356 813	B 813	
		65-68/73	G4EK; G4FK	07.94-07.99	0 986 356 898	B 898	
Getz							
1.3	1,3	60-63	G4E-A	09.02-08.05	0 986 356 898	B 898	
Grandeur							
2.0	2,0	88	<4G63>	07.86-08.92			
2.4	2,4	95	4G 64	07.87-03.93			
Lantra							
1.5	1,5	53/63	G4DJ <New Orion>	10.90-04.95	0 986 356 813	B 813	
		57	4G15	10.90-04.95	0 986 356 813	B 813	
		65-68	G4EK <Alpha>	07.96-09.00	0 986 356 898	B 898	
1.6	1,6	66/84	G4DJ <Beta>; G4GR <Beta>	05.95-09.00	0 986 356 970	B 970	
		78-84	G4CR <New Sirius>	10.90-04.95	0 986 356 974	B 974	



1	2	3	4	5	6	7	8
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				

CR-V

HR-V

0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174
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Logo

0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174
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Prelude

0 986 356 006	0 986 356 004	0 986 356 002	0 986 356 002
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0 986 356 042

0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
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0 986 356 008	0 986 356 008	0 986 356 004	0 986 356 004
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0 986 356 042

0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171
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Shuttle

0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171
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0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171
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HYUNDAI

Accent

Atos

Coupé

Elantra

Excel

Getz

Grandeur

0 986 356 006	0 986 356 008	0 986 356 008	0 986 356 013
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0 986 356 040

0 986 356 006	0 986 356 008	0 986 356 008	0 986 356 013
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0 986 356 040

Lantra





◀ HYUNDAI

1.8	1,8	93	G4CN <New Sirius>	06.92-04.95	0 986 356 974	B 974	
		94	G4GM <Beta>	05.95-09.00	0 986 356 970	B 970	
2.0	2,0	102	G4GF <Beta>	08.96-09.00	0 986 356 970	B 970	
Pony							
1.3	1,3	43/45-49	G4DG <New Orion>	04.89-07.94	0 986 356 813	B 813	
		62	G4EH	07.94-07.99	0 986 356 898	B 898	
1.5	1,5	53/61-62	G4DJ	04.89-07.94	0 986 356 813	B 813	
Santa Fe							
2.0	2,0	100	G4JP	04.01-12.05	0 986 356 991	B 991	
2.4	2,4	100/107	G4JS-G; G4JSX	02.00-12.05	0 986 356 991	B 991	
Santamo							
2.0	2,0	102	G4CP	05.99-12.02	0 986 356 974	B 974	
Scoupe							
1.5	1,5	60/71	New Orion <G4DJ>	02.90-07.92	0 986 356 813	B 813	
		62/65-68	G4DJ <New Orion>; G4EK <Alpha>	02.90-04.95	0 986 356 813	B 813	
		84-85	G4EK-TC <Alpha>	04.91-04.95			
				07.92-04.95	0 986 356 813	B 813	
Sonata							
1.8	1,8	98	G4CM <New Sirius>	03.98-03.01	0 986 356 991	B 991	
2.0	2,0	77	G4CP <New Sirius 4G63>	06.88-10.93			
		92/102/107	G4CP <New Sirius>	07.93-06.98	0 986 356 974	B 974	
		96	G4CP <New Sirius 4G63>	09.90-06.93			
		96-98	G4JP	04.01-11.04	0 986 356 991	B 991	
		100/108	G4CP	03.98-03.01	0 986 356 991	B 991	
2.5	2,5	118/129	G6AV	03.98-03.01	0 986 356 992	B 992	
2.7	2,7	127-132	G6BA	04.01-01.05	0 986 356 992	B 992	
3.0	3,0	107	G6AT; G6AT <6G72>	04.91-06.98	0 986 357 178	B 178	
Stellar							
1.5	1,5	51	4G33	09.89-12.01			
Trajet							
2.0	2,0	100/103	G4GC... <Beta>; G4JP-G	01.00-02.04	0 986 356 991	B 991	
2.7	2,7	127	DOHC Delta; G6BA...	10.99-06.07	0 986 356 992	B 992	
XG							
25	2,5	120	G6BV <Delta>	12.98-11.02	0 986 356 992	B 992	

INNOCENTI (NUOVA INNOCENTI)

Elba						
1.3	1,3	37,7	146 A 5.000 <M1>	03.91-09.93		
1.6	1,6	60	149 C 1.000 SPI-RB <M3>	03.91-09.93	0 986 356 718	B 718

ISUZU

Aska						
2.0	2,0	81/110	4ZC1; 4ZC1T	04.83-12.93		
Gemini						
1.5	1,5	52-54/88	4XC1; 4XC1U; 4XC1UT	11.84-12.93		
1.6	1,6	84-85	4XE1	08.88-12.93		
Trooper						
2.6	2,6	85-90	4ZE1	10.88-08.91	0 986 356 868	B 868

JAGUAR

Daimler						
4.2	4,2	123		01.84-10.95		
XJ 6						
3.6	3,6	165	AJ6	10.86-12.95	0 986 356 788	B 788
4.0	4,0	163/185	; 9 EPCNA	10.87-12.95	0 986 356 788	B 788



1 2 3 4 5 6 7 8

Pony

Santa Fe

Santamo

Scoupe

0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 042

Sonata

0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 013 0 986 356 040

0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 012 0 986 356 038

Stellar

0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 010 0 986 356 040

Trajjet

XG

INNOCENTI (NUOVA INNOCENTI)

Elba

0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

ISUZU

Aska

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

Gemini

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

Trooper

0 986 356 119 0 986 356 119 0 986 356 120 0 986 356 120 0 986 356 098

JAGUAR

Daimler

0 986 356 023 0 986 356 025 0 986 356 025 0 986 356 027 0 986 356 029 0 986 356 029 0 986 356 040

XJ 6





JEEP

Grand Cherokee							
4.0	4,0	130-135	ERH <6L <S MPI>>	09.92-04.99		0 986 357 229	B 229
5.2	5,2	156	ELF,ELO <<Y MPI>>	09.92-04.99		0 986 357 118	B 118
5.9	5,9	177	EML,EMO <Z MPI>	01.97-04.99		0 986 357 118	B 118
Wagoneer							
4.0	4,0	125	6L <S MPI>	01.90-12.95		0 986 357 229	B 229

KIA

Capital							
1.8	1,8	70	F8	05.90-06.95		0 986 356 735	B 735
						ZMB	
						ZMS	

Concord							
1.8	1,8	70	SOHC <Mazda-F8>	10.87-02.92		0 986 356 735	B 735
						ZMB	
						ZMS	
				03.92-06.95			

Joice							
2.0	2,0	88/102	;G4CP	08.99-03.03		0 986 356 974	B 974

Magentis							
2.0	2,0	100	G4JP	09.00-12.05		0 986 356 991	B 991

Pride							
1.1	1,1	38	B1	01.91-01.00			
1.3	1,3	44-47/51/54	B3	01.90-02.00			

Sephia							
1.5	1,5	59	B5	09.96-12.97		0 986 356 735	B 735
						ZMB	
						ZMS	
		68	B5	01.92-10.94		0 986 356 735	B 735
						ZMB	
						ZMS	

1.6	1,6	59	B6	07.93-12.97		0 986 356 735	B 735
						ZMB	
						ZMS	

Sorento							
2.4	2,4	102	G4JS	03.03-04.06		0 986 356 991	B 991

Sportage							
2.0	2,0	87/94/95	FE; FED	04.94-08.04		0 986 357 203	B 203

LADA

Forma							
1.3	1,3	45		09.91-12.00		0 986 356 726	B 726
1.5	1,5	53	BA3/21083	09.91-12.00		0 986 356 726	B 726

Niva							
1.6	1,6	54	2121	01.87-03.95		0 986 356 768	B 768
		56	1600	09.87-12.99		0 986 356 768	B 768
		56-58	2121	12.76-12.96			
1.7	1,7	59-62	21214-10 <Euro 2>	07.96-12.99			

Riva							
1200	1,3	47	21012	11.85-12.95		0 986 356 828	B 828
1300	1,3	49	21056	11.85-12.95		0 986 356 828	B 828
1500	1,5	55	21026	11.85-12.95		0 986 356 828	B 828
1600	1,6	63	21062	01.86-12.95		0 986 356 828	B 828

Samara							
1.1	1,1	39/43	21081;21081-10	01.84→		0 986 356 726	B 726
1.3	1,3	45-48/50	2108	01.84→		0 986 356 726	B 726



1 2 3 4 5 6 7 8

JEEP

Grand Cherokee

Wagoneer

KIA

Capital

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

Concord

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

0 986 356 025 0 986 356 023 0 986 356 019 0 986 356 019

Joice

Magentis

Pride

0 986 356 008 0 986 356 008 0 986 356 004 0 986 356 002

0 986 356 040

0 986 356 008 0 986 356 008 0 986 356 004 0 986 356 002

0 986 356 040

Sephia

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

0 986 356 008 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 044

0 986 356 033

Sorento

Sportage

LADA

Forma

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

Niva

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 049

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 049

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 044

0 986 356 002 0 986 356 004 0 986 356 006 0 986 356 008

0 986 356 046

Riva

0 986 356 021 0 986 356 021 0 986 356 023 0 986 356 025

0 986 356 044

0 986 356 021 0 986 356 021 0 986 356 023 0 986 356 025

0 986 356 044

0 986 356 021 0 986 356 021 0 986 356 023 0 986 356 025

0 986 356 044

0 986 356 021 0 986 356 021 0 986 356 023 0 986 356 025

0 986 356 044

Samara

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118





◀ LADA

1.5	1,5	50	2111	03.93-12.00		0 986 356 726	B 726
		50-53/55	; 2108	01.86→		0 986 356 726	B 726
		52/57	21083	01.84→		0 986 356 726	B 726
		60	2111	01.95→	ZVM	0 986 357 163	B 163
Serie 110							
1.5	1,5	54/56/57	2110; 2110 <R-83>; 2111/2111-12 <R-83>	01.96-12.04		0 986 356 726	B 726
		68	2112	06.99-12.00		0 986 357 260	B 260
Serie 111							
1.5	1,5	56	2110 <R-83>	01.96-12.04		0 986 356 726	B 726
		68/70	2112; 2112-10/16	01.96-12.04		0 986 357 260	B 260
Serie 112							
1.5	1,5	67/69	2112	01.96-12.04		0 986 357 260	B 260
Serie 115							
1.3	1,3	47	2114	01.98→		0 986 356 726	B 726
1.5	1,5	52	2114	01.98→		0 986 356 726	B 726
Serie 2100							
2104	1,5	55	2103	01.88-12.93		0 986 356 828	B 828
2105	1,2	44	2102	09.81-12.93		0 986 356 828	B 828
		48	2105	05.81-12.93		0 986 356 828	B 828
		55-56	2103	09.86-12.93		0 986 356 828	B 828
		55	2103	01.88-12.93		0 986 356 828	B 828
2106	1,6	55	2106 <Euro 2>	09.75→		0 986 356 828	B 828
2107	1,6	56	2106	05.81-12.93		0 986 356 828	B 828
2107-02	1,5	52	2103	01.86→	WCP	0 986 356 828	B 828
Serie 21000							
21061	1,5	48		01.82→		0 986 356 828	B 828
21063	1,3	48	21011	01.86→		0 986 356 828	B 828
21072	1,3	48		02.86→	WCP	0 986 356 828	B 828
21074	1,6	55	2106 <Euro 2>	05.82→	WCP	0 986 356 828	B 828
21077	1,3	48	2105	01.86-12.00	WCP	0 986 356 828	B 828
21099	1,5	56,4	2111...	01.90-01.04		0 986 356 726	B 726
Toscana							
1.4	1,4	55	2103	01.86-12.00	WCP	0 986 356 828	B 828
1.5	1,5	55	2103	01.86-12.00	WCP	0 986 356 828	B 828

LANCIA

Dedra

1.6	1,6	57/65	835A1.000 SPI-Weber <M1 / M5>; 835A1.046 Kat <M2>	01.89-10.94		0 986 356 718	B 718
		66	159B9.000 MPI-GM <M1>	10.94-04.98		0 986 356 738	B 738
		76	182A4.000 MPI-Weber <M6>	04.98-10.99		0 986 357 261	BW261
					WW	0 986 356 787	B 787
1.8	1,8	77/80	835A2.000 MPI-Weber <M3>; 835A2.046 Kat <M4>	01.89-10.94		0 986 356 869	B 869
2.0	2,0	83	835A5.046 Kat <M3>	10.94-10.99		0 986 357 183	B 183
		83/119/121/124	835A5.046 Kat <M6>; 835A7.000 <M3>; 835A7.046 Kat <M4>; 835A8.046 Kat <M2>	09.89-10.94		0 986 356 869	B 869
		86	835A5.000 MPI-Weber <M5>	01.89-07.92		0 986 356 869	B 869
		102	836A3.000 MPI-Weber <M1>	10.94-10.99		0 986 356 791	B 791

Delta

1.3	1,3	55-58	831B.000 <M2>	05.86-08.92			
1.4	1,4	51	160A1.046 <SF M1>	06.93-04.94		0 986 356 846	B 846
1.6	1,6	66	149C2.000 Kat <M2>	05.87-08.92		0 986 356 861	B 861
		66/76	182A4.000 <SF M9>; 182A6.000 <SF M10>	01.96-12.99		0 986 357 261	BW261
					WW	0 986 356 787	B 787
		80/97/103	831B3.000 MPI-Weber <M3>; 831B7.000 MPI-Weber <M1>; 831B7.046 Kat <M4>	05.86-08.92			
2.0	2,0	102	836A3.000 <SG M1>	06.93-12.95		0 986 356 791	B 791
		137	175A4.000 <SG M4>	09.96-12.99		0 986 356 709	B 709
			836A2.000 <SG M2>	06.93-09.96		0 986 356 709	B 709
		147	831D5.000 MPI-Weber <M4>	03.89-09.91		0 986 356 861	B 861



1	2	3	4	5	6	7	8
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							Serie 110
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							Serie 111
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							Serie 112
							Serie 115
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							Serie 2100
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
							Serie 21000
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 116	0986 356 117	0986 356 117	0986 356 118				
							Toscana
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
0986 356 019	0986 356 021	0986 356 021	0986 356 023				0986 356 044
							LANCIA
							Dedra
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 040
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 040
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 040
							Delta
0986 356 017	0986 356 021	0986 356 023	0986 356 025				0986 356 044
							0986 356 038
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 040
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 025	0986 356 023	0986 356 021	0986 356 021				0986 356 044
0986 356 021	0986 356 021	0986 356 023	0986 356 025				0986 356 040





◀ LANCIA

Lybra							
1.6	1,6	76	182A4.000 <M1 CF2>; 182B6.000 <M2 CF3>	10.99-09.05		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Musa							
1.4	1,4	55/57	350A1000 <M7>; 350A1000 <M11>	03.05-→		0 986 357 286	B 286
Thema							
2.0	2,0	86	834 B 1.000 <M1>	06.88-05.92			
		107/108/132/136	834 B 2.000 <M4>; 834 B 2.246 Kat <M5>; 834 C 1.000 <M6>; 834 C 1.246 Kat <M7>	06.88-05.92		0 986 356 709	B 709
		112/148	834 F 1.000 <M1>; 834 F 2.000 <M2>	05.92-11.94		0 986 356 892	B 892
Y							
1.1	1,1	40	176B2.000 SPI-Weber <M5 CF2>	04.97-06.00		0 986 356 754	B 754
1.2	1,2	44	188A4.000 <M1 CF3>	06.00-06.03		0 986 356 754	B 754
			840A3.000 SPI-Weber <M1 CF2>	01.96-06.00		0 986 356 754	B 754
		63	176B9.000 MPI-Weber <M4 CF2>	04.97-06.00		0 986 357 258	B W258
			188A5.000 <M2 CF3>	06.00-06.03		0 986 357 181	B 181
1.4	1,4	55/59	840A2.000 SPI-Bosch <M2>; 840A4.000 SPI-Bosch <M3>	01.96-06.00	RBE	0 356 912 881	ES 881
Y 10							
1.0	1,0	33	156A2.246 SPI-Bosch <M3>	10.87-02.92		0 986 356 853	B 853
1.3	1,3	53	146A5.046 Kat <M7>	02.89-09.92			
			146A5.046 MPI-Bosch <M2>	09.92-12.95	CSA	0 986 357 131	B 131
			146A5.046 MPI-Bosch <M7>; 156B.000 <M6>	01.89-09.92	CSA	0 986 357 131	B 131
		56/57			CSA	0 986 357 131	B 131
Ypsilon							
1.2	1,2	44	188 A4.000 <M1>	06.03-11.11		0 986 356 754	B 754
					EU5	0 986 357 286	B 286
		51	169 A4.000	06.11-→		0 986 357 286	B 286
1.4	1,4	55	350 A1.000 <M11>	10.06-11.11		0 986 357 286	B 286
ZETA							
2.0	2,0	110	RGX <M1>	09.94-06.99		0 986 357 098	B 098

LAND ROVER GROUP

Defender							
2.5	2,5	62		08.90-09.01		0 986 356 759	B 759
3.5	3,5	100	V8	08.90-12.98			
Discovery I							
2.0	2,0	100	20 T4 <MPi>	10.93-06.98		0 986 357 188	B 188
3.5	3,5	107	V8 3.5	09.89-12.98			
		110-119	22D <Kat.>	09.89-12.98		0 986 356 831	B 831
3.9	3,9	134	V8 3.9 <Efi>	10.93-12.98		0 986 356 831	B 831
Freelander							
1.8	1,8	84-88	K18 / 18K16 <K-Serie>	09.97-03.07		0 986 357 223	B 223
Range Rover I							
3.9	3,9	127/134	35D,36D <V8-EFi-KAT>; 37D,38D <V8-EFi-KAT>	11.88-04.96		0 986 356 831	B 831
4.3	4,3	147-149	40D <V8-EFi-KAT>	09.92-01.94			
Range Rover II							
4.0	4,0	136-140	42D	09.94-08.02		0 986 356 707	B 707
						0 986 356 819	B 819
4.6	4,6	158-166	46D	09.94-08.02		0 986 356 707	B 707
						0 986 356 819	B 819

LEXUS

LS							
400	4,0	185/186/194/203-209	1UZFE	10.94-08.00		0 986 357 204	B 204



1 2 3 4 5 6 7 8

Lybra

Musa

Thema

0 986 356 025 0 986 356 023 0 986 356 021 0 986 356 021 0 986 356 044

Y

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264
 0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264
 0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

Y 10

0 986 356 058 0 986 356 057 0 986 356 056 0 986 356 055 0 986 356 004
 0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 042
 0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 040
 0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 042

Ypsilon

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

ZETA

LAND ROVER GROUP

Defender

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 040
 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046

Discovery I

0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046
 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046
 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046

Freelander

0 986 356 108 0 986 356 109 0 986 356 139 0 986 356 139 0 986 356 097

Range Rover I

0 986 356 021 0 986 356 010 0 986 356 023 0 986 356 010 0 986 356 021 0 986 356 010 0 986 356 023 0 986 356 010 0 986 356 044
 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 010 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 046

Range Rover II

0 986 356 023 0 986 356 025 0 986 356 023 0 986 356 008 0 986 356 006 0 986 356 008 0 986 356 006 0 986 356 004
 0 986 356 023 0 986 356 025 0 986 356 023 0 986 356 008 0 986 356 006 0 986 356 008 0 986 356 006 0 986 356 004
 0 986 356 023 0 986 356 025 0 986 356 023 0 986 356 008 0 986 356 006 0 986 356 008 0 986 356 006 0 986 356 004
 0 986 356 023 0 986 356 025 0 986 356 023 0 986 356 008 0 986 356 006 0 986 356 008 0 986 356 006 0 986 356 004

LEXUS

LS





LEYLAND-FREIGHT ROVER

Sherpa						
200	1,7	45-52	Leyland-DAF		11.86-12.98	
	2,0	63-66	Leyland-DAF		11.86-12.98	
230	1,7	45-52	Leyland-DAF		11.86-12.98	
	2,0	63-66	Leyland-DAF		11.86-12.98	
250	1,7	45-52	Leyland-DAF		11.86-12.98	
	2,0	63-66	Leyland-DAF		11.86-12.98	
255	1,7	45-52	Leyland-DAF		11.86-12.98	
	2,0	63-66	Leyland-DAF		11.86-12.98	
280	1,7	45-52	Leyland-DAF		11.86-12.98	
	2,0	63-66	Leyland-DAF		11.86-12.98	

LOTUS

Elise						
1.8	1,8	88	K-Serie		03.99-11.00	0 986 357 160 B 160

MAZDA

Demio						
1.3	1,3	46/53	B3		05.98-02.03	0 986 357 265 B 265
1.5	1,5	55	B5		01.00-02.03	0 986 357 265 B 265
MPV						
2.3	2,3	104	L3		03.02-06.04	0 986 357 287 B 287
MX-5						
1.6	1,6	66	B6		12.94-11.97	0 986 356 742 B 742
		81	B6D		01.98-07.05	0 986 356 742 B 742
		85	B64F		08.89-08.93	0 986 356 742 B 742
1.8	1,8	96-98	BPF1		09.93-11.94	0 986 356 742 B 742
						0 986 357 288 B 288
		98	BP		09.93-11.97	0 986 357 288 B 288
		103-106	BPD		01.98-08.00	0 986 357 288 B 288
MX-6						
2.5	2,5	121-123	KL		07.91-06.97	0 986 356 966 B 966
RX-7						
Turbo	1,3	147	13B <Kat.>		03.89-11.91	
Xedos-6						
2.0	2,0	103	KF1		04.96-02.99	0 986 356 966 B 966
		105-108	KF1		01.92-03.94	0 986 356 966 B 966
Xedos-9						
2.5	2,5	123-125	KL		07.93-07.98	0 986 356 966 B 966
6						
1.8	1,8	88	L8		02.02-02.05	0 986 357 287 B 287
2.0	2,0	104-108	LF		02.02-02.05	0 986 357 287 B 287
2.3	2,3	119/122	L3		02.02-02.05	0 986 357 287 B 287
121						
1.1	1,1	40	B1		11.90-12.95	0 986 356 789 B 789
1.25	1,3	55	DH...		01.96-10.99	0 986 356 805 B 805
1.3	1,3	37/44	JJ...; J4...		01.96-10.99	0 986 357 257 BW257
		39-40/44/53-56	B3		11.90-12.95	0 986 356 789 B 789
323						
P 1.3	1,3	54	B3		09.98-10.00	0 986 357 195 B 195
		54-55	B3		10.96-09.00	0 986 357 165 B 165
P 1.5	1,5	65	ZL		09.98-10.00	0 986 357 266 B 266
			Z5		10.96-09.00	0 986 357 149 B 149
1.3	1,3	50	B383		06.89-03.91	0 986 356 859 B 859
		54	B3		05.98-09.03	0 986 357 195 B 195
		54-55	B3		06.94-06.98	0 986 357 165 B 165





1 2 3 4 5 6 7 8

LEYLAND-FREIGHT ROVER

Sherpa

0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042

LOTUS

Elise

MAZDA

Demio

MPV

MX-5

MX-6

RX-7

0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 044
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Xedos-6

Xedos-9

6

121

0 986 356 146	0 986 356 147	0 986 356 148	0 986 356 148	
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323

0 986 356 006	0 986 356 006	0 986 356 004	0 986 356 002	
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 008	

0 986 356 042

0 986 356 006	0 986 356 006	0 986 356 004	0 986 356 002	
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 008	





◀ MAZDA

1.3	1,3	54-55	B3F5	04.91-05.96		
		55	B3F	04.91-05.96	0 986 356 859	B 859
			B38	06.89-03.91	0 986 356 859	B 859
		58	B3F <Kat.>	03.91-07.94		
			B38 <Kat.>	06.89-03.91		
1.5	1,5	65	ZL	05.98-01.01	0 986 357 266	B 266
		65-71	Z5	06.94-07.98	0 986 357 149	B 149
1.6	1,6	62/63-66	B6; B6 <Kat.>; B61; B61T <Kat.>; B62; B65L <Kat.>; B65M <Kat.>	06.89-10.95	0 986 356 859	B 859
		64	B67	03.91-07.94	0 986 356 859	B 859
			B67 <Kat.>	03.91-07.94	0 986 356 859	B 859
		65-66	B67	03.91-02.97		
		70-72/78	M; ZM	07.98 →	0 986 357 266	B 266
1.8	1,8	69/76-78/132	BPC <Kat.>; BPC2 <Kat.>; BPC7 <Kat.>; BP52; BP55 <Kat.>	11.89-05.94	0 986 356 760	B 760
		76-78	BP <SOHC Kat.>	03.91-05.94	0 986 356 859	B 859
		76-78/94-96/ 103/136-139	BP <DOHC>; BP <DOHC Kat.>; BP <Kat.>	06.89-07.94	0 986 356 760	B 760
		84-85/92/99	BP	08.94-06.98	0 986 357 149	B 149
		92	P	08.95-06.98	0 986 357 149	B 149
2.0	2,0	104	F; KF/F	05.94-06.98	0 986 356 966	B 966
323 F						
1.5	1,5	65-66	Z5	05.94-07.95	0 986 357 149	B 149
1.8	1,8	84-85	BP	08.94-07.95	0 986 357 149	B 149
626						
1.6	1,6	54-60	; F68	06.87-07.91		
1.8	1,8	65-66	F8	07.87-07.91		
		66/77	FP	08.91-03.97	0 986 357 241	B 241
2.0	2,0	66	FE <Kat.>	06.87-07.91		
		66/103	FEKF <Kat.>; FEKG <Kat.>	03.92-04.96		
		75	FE	03.88-03.92		
		85-86	FS	08.91-03.97	0 986 357 241	B 241
2.5	2,5	121-123	KL	09.91-03.97	0 986 356 966	B 966

MERCEDES-BENZ

Serie A (169)

150	1,5	70	M 266.920 <E 15>	09.04-04.09	RBE	
160	1,5	70	M 266.920 <E 15>	04.09 →	RBE	
170	1,7	85	M 266.940 <E 17>	09.04-04.09	RBE	
180	1,7	85	M 266.940 <E 17>	04.09 →	RBE	
200	2,0	100	M 266.960 <E 20>	04.04 →	RBE	

Serie B (245)

150	1,5	70	M 266.920 <E 15>	04.05-04.09	RBE	
160	1,5	70	M 266.920 <E 15>	04.09 →	RBE	
170	1,7	85	M 266.940 <E 17>	04.05-04.09	RBE	
		2,0	M 266.960 <E 20>	05.08-04.09	RBE	
180	1,7	85	M 266.940 <E 17>	04.09 →	RBE	
		2,0	M 266.960 <E 20>	05.09 →	RBE	
200	2,0	100	M 266.960 <E 20>	04.05 →	RBE	

Serie C (202)

43 AMG	4,3	225	M 113.944	10.97-02.01	HI,RBE RBE,VO	
180	1,8	90	M 111.920 <E 18>			
			→ Mot.Nr. ...017110; ..045966	03.93-08.95		0 986 356 351 B 351
			Mot.Nr. ...017111; ..045967 →	03.93-08.95		0 986 356 352 B 352
				05.96-02.01		0 986 356 352 B 352
			M 111.921 <E 18>	09.95-02.01		0 986 356 311 B 311
200	2,0	100	M 111.941 <E 20>	09.95-02.01		0 986 356 352 B 352
			M 111.945	01.94-02.01		0 986 356 311 B 311
		132-141	M 111.944 <E 20 ML>	09.95-04.00		0 986 356 311 B 311
220	2,2	110	M 111.961 <E 22>	09.95-09.96		0 986 356 311 B 311
230	2,3	110/142	M 111.974; M 111.974 <E 23>; M 111.975 <E 23 ML>	09.95-04.00		0 986 356 311 B 311



1	2	3	4	5	6	7	8
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 042
							0 986 356 042
							0 986 356 042
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 038
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 042
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 042
							0 986 356 042
							0 986 356 042
							0 986 356 042
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 004				0 986 356 042
							0 986 356 042

323 F

626

0 986 356 049
0 986 356 049
0 986 356 049
0 986 356 049
0 986 356 049

MERCEDES-BENZ

Serie A (169)

0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019

Serie B (245)

0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019

Serie C (202)

0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948
0 986 357 710	0 986 357 709	0 986 357 709	0 986 357 710				
0 356 912 982	0 356 912 982	0 356 912 983	0 356 912 982				
0 356 912 982	0 356 912 983	0 356 912 983	0 356 912 982				





◀ MERCEDES-BENZ

240	2,4	125	M 112.910 <E 24>	06.97-02.01	HI,RBE RBE,VO		
	2,6	125	M 112.915 <E 26>	08.00-02.01	HI,RBE RBE,VO		
280	2,8	142	M 104.941	05.93-08.95		0 986 356 316	B 316
				09.95-05.97		0 986 356 329	B 329
		145	M 112.920; M 112.920 <E 28>	06.97-02.01	HI,RBE RBE,VO		
Serie C (203)							
55 AMG	5,4	270	M 113.988 <E 55>	02.04-08.07	HI,RBE RBE,VO		
240	2,6	125	M 112.912 <E 26>; M 112.916 <E 26>	05.00-06.05	HI,RBE RBE,VO		
320	3,2	160	M 112.946 <DE LA>; M 112.946 <E 32>; M 112.953 <E 32>	05.00-06.05	HI,RBE RBE,VO		
Serie CL (140)							
420	4,2	205	M 119.971,981	06.96-08.99		0 986 356 315	B 315
500	5,0	235	M 119.970,980	06.96-08.99		0 986 356 315	B 315
Serie CL (215,216)							
55 AMG	5,4	265/368	M 113.986 <E 55>; M 113.991 <E 55 ML AMG>	09.99-08.06	HI,RBE RBE,VO		
500	5,0	225	M 113.960 <E 50>	09.99-05.06	HI,RBE RBE,VO		
Serie CLK (208,209)							
55 AMG	5,4	255/270	M 113.984 <E55>; M 113.987 <E 55>	05.99-08.06	HI,RBE RBE,VO		
240	2,6	125	M 112.912 <E 26>	05.02-03.05	HI,RBE RBE,VO		
320	3,2	160	M 112.940 <E32>; M 112.955 <E 32>	01.97-03.05	HI,RBE RBE,VO		
430	4,3	205	M 113.943 <E43>	09.98-01.03	HI,RBE RBE,VO		
500	5,0	225	M 113.968 <E 50>	05.02-07.06	HI,RBE RBE,VO		
Serie CLS (218,219)							
55 AMG	5,4	350	M 113.990 <E 55>	06.04-08.06	HI,RBE RBE,VO		
500	5,0	225	M 113.967 <E 50>	06.04-04.06	HI,RBE RBE,VO		
Serie E (124)							
36 AMG		195-200	M 104.992	07.93-08.95		0 986 356 316	B 316
				09.95-06.98		0 986 356 329	B 329
60 AMG	6,0	280	M 119.974	07.93-06.95		0 986 356 315	B 315
200	2,0	100	M 111.940	07.93-07.95		0 986 356 351	B 351
			→ Mot.Nr. ...017707; ...040193	07.93-07.95			
			Mot.Nr. ...017707; ...040193 →	07.93-07.95			
				07.93-08.95	CA,COU,KOB	0 986 356 351	B 351
				09.95-06.98	CA,COU,KOB	0 986 356 352	B 352
220	2,2	110	M 111.960	07.93-08.95		0 986 356 351	B 351
				09.95-06.98		0 986 356 352	B 352
280	2,8	142-145	M 104.942	07.93-08.95		0 986 356 316	B 316
				09.95-05.96		0 986 356 329	B 329
300	3,0	132	M 103.985	07.93-06.95		0 986 356 332	B 332
320	3,2	162-170	M 104.992	05.93-08.95		0 986 356 316	B 316
				09.95-06.98		0 986 356 329	B 329
420	4,2	205/210	M 119.975	07.93-06.95		0 986 356 315	B 315
500	5,0	235-240	M 119.974	07.93-06.95		0 986 356 315	B 315
Serie E (210)							
50 AMG	5,0	205-235	M 119.980,985	01.96-08.97		0 986 356 315	B 315
					HI,RBE RBE,VO		
55 AMG	5,5	260	M 113.980 <E55>	09.97-03.03	HI,RBE RBE,VO		



◀ MERCEDES-BENZ

200	2,0	100	M 111.942 <E20>	05.96-01.03		0 986 356 311	B 311
		137	M 111.947 <E20>	09.97-01.03		0 986 356 311	B 311
230	2,3	110	M 111.970 <E23>	06.95-08.97		0 986 356 311	B 311
240	2,4	125	M 112.911 <E24>	09.97-04.00	RBE,VO		
				09.97-01.03	HI,RBE		
					RBE,VO		
	2,6	125	M 112.914 <E26>	06.99-01.03	HI,RBE		
					RBE,VO		
280	2,8	142	M 104.945	01.96-02.97		0 986 356 316	B 316
		150	M 112.921 <E28>	06.95-01.03	HI,RBE		
					RBE,VO		
320	3,2	162	M 104.995	06.95-08.95		0 986 356 316	B 316
				09.95-02.97		0 986 356 329	B 329
		165	M 112.941 <E32>	03.97-05.99	HI,RBE		
					RBE,VO		
				07.99-08.03	HI,RBE		
					RBE,VO		
420	4,2	205	M 119.985	01.96-08.97		0 986 356 315	B 315
430	4,3	205	M 113.940 <E43>	06.97-01.03	HI,RBE		
					RBE,VO		
Serie E (211)							
55 AMG	5,4	350	M 113.990 <E 55 ML AMG>	10.02-05.06	HI,RBE		
					RBE,VO		
240	2,6	130	M 112.913 <E 26>; M 112.917 <E 26>	03.02-08.09	HI,RBE		
					RBE,VO		
320	3,2	165	M 112.949 <E 32>; M 112.954 <E 32>	03.02-03.05	HI,RBE		
					RBE,VO		
500	5,0	225	M 113.967 <E 50>; M 113.969 <E 50>	03.02-08.06	HI,RBE		
					RBE,VO		
Serie G (460,461,463)							
55 AMG	5,4	350-373	M 113.993 <E 55>	04.04→	HI,RBE		
					RBE,VO		
200	2,0	80	M 102.965	01.90-07.93		0 986 356 333	B 333
230	2,3	90-95	M 102.979; M 102.979;996; M 102.987 <KAT>; M 102.989	03.86-09.95		0 986 356 333	B 333
300	3,0	125/126	M 103.987	09.89-10.94		0 986 356 332	B 332
320	3,2	154/158	M 112.945 <E 32>	06.97-08.06	HI,RBE		
					RBE,VO		
		155	M 104.996	08.93-08.95		0 986 356 316	B 316
				09.95-11.97		0 986 356 329	B 329
500	5,0		M 113.962	09.01-08.08	HI,RBE		
					RBE,VO		
		218	M 113.962	04.98-09.05	HI,RBE		
					RBE,VO		
Serie ML (163,164)							
55 AMG	5,4	255	M 113.981 <E 55>	03.00-06.05	HI,RBE		
					RBE,VO		
320	3,2	160	M 112.942 <E 32>	03.98-09.02	HI,RBE		
					RBE,VO		
350	3,7	173/180	M 112.970 <E 37>	08.02-06.05	HI,RBE		
					RBE,VO		
430	4,3	200	M 113.942 <E 43>	09.98-07.02	HI,RBE		
					RBE,VO		
500	5,0	215	M 113.965 <E 50>	09.01-06.05	HI,RBE		
					RBE,VO		
		225	M 113.964 <E 50>	09.05-08.07	HI,RBE		
					RBE,VO		
Serie R							
500	5,0	225	M 113.971 <E 50>	02.06-04.07	HI,RBE		
					RBE,VO		
Serie S (140)							
280	2,8	142-145	M 104.944	06.93-08.95		0 986 356 316	B 316
				09.95-09.98		0 986 356 329	B 329





◀ MERCEDES-BENZ

300	2,8	142-145	M 104.944	09.92-05.93	GS	0 986 356 316	B 316
	3,2	170	M 104.99...	03.91-05.93		0 986 356 314	B 314
320	3,2	170	M 104.994; M104994...	03.93-02.99		0 986 356 314	B 314
400	4,2	205-210	M 119.971;981	02.91-05.93		0 986 356 315	B 315
420	4,2	205-210	M 119.971;981	06.93-09.98		0 986 356 315	B 315
500	5,0	235-240	M 119.970;980	02.91-09.98		0 986 356 315	B 315
600	6,0	290-300	M 120.98... <M 120>	04.91-09.98		0 986 356 313	B 313
Serie S (220)							
55 AMG	5,4	265/368	113.986 <E55 AMG>; 113.991 <E55 AMG>	09.00-08.06	HI,RBE RBE,VO		
280	2,8	150	M 112.922 <E28>	01.99-08.05	HI,RBE RBE,VO		
320	3,2	165	M 112.944 <E32>	10.98-08.02	HI,RBE RBE,VO		
350	3,7	180	M 112.972 <E37>; M 112.975 <E37>	09.02-08.06	HI,RBE RBE,VO		
430	4,3	205	M 113.941 <E43>; M 113.948 <E43>	10.98-01.06	HI,RBE RBE,VO		
500	5,0	225	M 113.960 <E50>; M 113.966 <E50>	10.98-08.06	HI,RBE RBE,VO		
Serie SL (129)							
280	2,8	142	M 104.943	07.93-08.95		0 986 356 316	B 316
		150	M 112.923	09.95-05.98		0 986 356 329	B 329
		150	M 112.923	06.98-08.01	HI,RBE RBE,VO		
300	3,0	140	M 103.984	03.89-06.93		0 986 356 332	B 332
		170	M 104.981	03.89-06.93		0 986 356 314	B 314
320	3,2	165	M 112.943	06.98-08.01	HI,RBE RBE,VO		
		170	M 104.991	07.93-08.95	AG	0 986 356 316	B 316
500	5,0	225	M 113.961	06.98-08.01	HI,RBE RBE,VO		
		235-240	M 119.960; M 119.972	03.89-09.95		0 986 356 315	B 315
600	6,0	290	M 120.981; M 120.983	07.93-08.01		0 986 356 313	B 313
Serie SL (230)							
55 AMG	5,4	368/380	M 113.992 <E 55>; M 113.995 <E 55>	10.01-03.08	HI,RBE RBE,VO		
350	3,7	180	M 112.973 <E 37>	03.03-12.05	HI,RBE RBE,VO		
500	5,0	225	M 113.963 <E 50>	10.01-12.05	HI,RBE RBE,VO		
Serie SLK (170,171,172)							
55 AMG	5,4	265	M 113.989 <E 55>	04.04-11.10	HI,RBE RBE,VO		
200	2,0	100/135	M 111.943 <E20 ML>; M 111.946 <E20>	09.96-01.00		0 986 356 311	B 311
230	2,3	142	M 111.973 <E23 ML>	09.96-01.00		0 986 356 311	B 311
Serie S/SE/SEL (126)							
260	2,6	118-122	M 103.941	09.85-06.91		0 986 356 332	B 332
300	3,0	132-138	M 103.981	09.85-06.91		0 986 356 332	B 332
420	4,2	150-170	M 116.965	09.85-06.91		0 986 356 330	B 330
500	5,0	164-195	M 117.965	09.85-06.91		0 986 356 330	B 330
560	5,6	178-205	M 117.968; M 117.968 <KAT>	10.85-06.91		0 986 356 330	B 330
Serie V							
200	2,0	100	M 111.948 <E20>	04.96-09.03		0 986 356 311	B 311
230	2,3	105	M 111.978 <E23>	04.96-09.03		0 986 356 311	B 311
Serie 124							
200	2,0	87-90	M 102.963	06.86-06.93		0 986 356 333	B 333
		100	M 111.940				
			→ Mot.Nr. ..017707; ..040193	07.93-07.95			
			Mot.Nr. ..017708; ..040194 →	07.93-07.95			
220	2,2	110	M 111.960	07.91-06.93		0 986 356 333	B 333
				09.92-06.93		0 986 356 351	B 351
230	2,3	97-100	M 102.982	12.84-08.93		0 986 356 333	B 333



◀ MERCEDES-BENZ

260	2,6	118-122	M 103.940; M 103.943	09.85-10.92		0 986 356 332	B 332
280	2,8	142-145	M 104.942	09.89-06.93		0 986 356 316	B 316
300	3,0	132-138	M 103.980;983; M 103.983; M 103.985	01.85-08.93		0 986 356 332	B 332
		162-170	M 104.980	09.88-06.93		0 986 356 314	B 314
	3,2	162	M 104.992	04.92-04.93		0 986 356 316	B 316
300 AMG	3,4	190/200	M 104.980	09.89-08.92		0 986 356 314	B 314
320	3,2	162	M 104.992	09.92-06.93		0 986 356 316	B 316
400	4,2	205	M 119.975	09.91-06.93		0 986 356 315	B 315
500	5,0	240	M 119.974	01.91-06.93		0 986 356 315	B 315
500 AMG	6,0	276	M 119.974	01.91-06.93		0 986 356 315	B 315
Serie 190							
190	2,0	75-77	M 102.924	08.84-08.93		0 986 356 333	B 333
190 E	1,8	77/80	M 102.910; M 102.919	03.90-08.93		0 986 356 333	B 333
		87	M 102.962	09.86-09.93		0 986 356 333	B 333
	2,0	97/100	M 102.985	08.84-08.93		0 986 356 333	B 333
	2,6	118	M 103.942	09.86-08.93		0 986 356 332	B 332
	3,2	172	M 103.983	09.88-08.93		0 986 356 332	B 332
Sprinter							
214	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		0 986 356 311	B 311
314	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		0 986 356 311	B 311
		105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		0 986 356 311	B 311
414	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		0 986 356 311	B 311
Vito							
113	2,0	100	M 111.948 <E20>	11.95-09.03		0 986 356 311	B 311
114	2,3	105	M 111.978 <E23>	11.95-09.03		0 986 356 311	B 311

MG

MG TF

120	1,8	88	18 K4F K-Serie <DOHC>	03.02-05.05	AG	0 986 357 154	B 154
					GS	0 986 356 731	B 731
135	1,8	100	18 K4F K-Serie <DOHC>	03.02→	AG	0 986 357 154	B 154
					GS	0 986 356 731	B 731
160	1,8	118	18 K4F K-Serie- VVC- <DOHC>	03.02-05.05		0 986 357 160	B 160
MGF							
1.6	1,6	82	16 K4F <K-Serie>	10.01-03.02		0 986 356 731	B 731
1.8	1,8	88/107/118	18 K4F <K-Serie>; 18 K4K K-Serie <MPI VVC>; 18 K4K <MPI VVC K-Serie>	10.95-03.02		0 986 356 731	B 731
						0 986 357 154	B 154

ZR

105	1,4	76	14 K4F <K-Serie>	10.01-05.05		0 986 356 731	B 731
						0 986 357 154	B 154
120	1,8	86	18 K4F <K-Serie>	10.01-05.05		0 986 356 731	B 731
						0 986 357 154	B 154
160	1,8	118	18 K4K <K-Serie>	10.01-05.05		0 986 356 731	B 731
						0 986 357 154	B 154

ZS

110	1,6	80	16 K4F <K-Serie>	03.05-05.05		0 986 356 731	B 731
120	1,8	86	18 K4F <K-Serie>	10.01-05.05		0 986 357 154	B 154
180	2,5	130	25 K4F <K-Serie 2.5KV6>	10.01-05.05		0 986 356 731	B 731
						0 986 357 154	B 154

ZT

1.8	1,8	88/118	K1.8T <K-Serie>; 18 K4F <K-Serie K 1.8>	03.02-05.05		0 986 357 154	B 154
190	1,8	88/118	K1.8T <K-Serie>; 18 K4F <K-Serie K 1.8>	03.02-05.05		0 986 357 154	B 154

MINI (BMW)

Mini

Cooper	1,6	85/120/125	W10B16A...; W11 B16A	06.01-07.08		0 986 357 192	B 192
John	1,6	147/154-160	W11 B16A	10.03-07.08		0 986 357 192	B 192

Cooper Works



1	2	3	4	5	6	7	8
0 356 912 905	0 356 912 905	0 356 912 906	0 356 912 906	0 356 912 907	0 356 912 908		
0 356 912 905	0 356 912 905	0 356 912 906	0 356 912 906	0 356 912 907	0 356 912 908		
0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927
0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927
0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927
Serie 190							
0 356 912 906	0 356 912 907	0 356 912 907	0 356 912 908				
0 356 912 906	0 356 912 907	0 356 912 907	0 356 912 908				
0 356 912 906	0 356 912 907	0 356 912 907	0 356 912 908				
0 356 912 906	0 356 912 907	0 356 912 907	0 356 912 908				
0 356 912 905	0 356 912 905	0 356 912 906	0 356 912 906	0 356 912 907	0 356 912 908		
0 356 912 905	0 356 912 905	0 356 912 906	0 356 912 906	0 356 912 907	0 356 912 908		
Sprinter							
Vito							
MG							
MG TF							
MGF							
ZR							
ZS							
ZT							
MINI (BMW)							
Mini							





◀ MINI

One	1,6	66	W10B16A...	06.01-11.06	0 986 357 192	B 192
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MITSUBISHI

Carisma						
1.3	1,3	60	4G13	07.01-12.03	0 986 357 273	B 273
1.6	1,6	66	4G92 Kat.	05.95-04.96	0 986 357 147	B 147
		73	4G92 Kat.	05.97-02.99	0 986 357 147	B 147
1.8	1,8	85	4G93 SOHC Kat.	05.95-04.96	0 986 357 147	B 147
Champ						
1.5	1,5	67-69	4G15	11.95→	0 986 357 157	B 157
Colt						
1.3	1,3	44-51	4G13	04.88-05.92	0 986 357 093	B 093
		55	4G13 Kat.	04.88-05.92	0 986 357 093	B 093
				12.91-11.95	0 986 357 157	B 157
				11.95-05.00	0 986 357 157	B 157
1.5	1,5	60	4G13 Kat.	06.00-06.03	0 986 357 273	B 273
		62	4G15	04.88-05.92	0 986 357 093	B 093
		62-66	4G15 Kat.	04.88-05.92	0 986 357 093	B 093
		69	4G15	11.95-05.00	0 986 357 157	B 157
1.6	1,6	66/83	4G92; 4G92 Kat.	12.91-12.96	0 986 357 147	B 147
1.8	1,8	100	4G67; 4G67 Kat.	11.89-05.92	0 986 357 151	B 151
Eclipse						
2.0	2,0	110/147	4G63 Kat.	01.90-03.94	0 986 357 151	B 151
Galant						
1.6	1,6	55	4G32	11.87-10.92	0 986 357 214	B 214
1.8	1,8	66	4G37	11.87-10.92	0 986 357 214	B 214
			4G37 Kat.	10.89-10.92	0 986 357 214	B 214
		85-93	4G93 Kat.	11.92-05.96	0 986 357 147	B 147
2.0	2,0	80	4G63 Kat.	11.87-10.92	0 986 357 122	B 122
		82	4G63	11.87-10.92	0 986 357 122	B 122
		101	4G63 Kat.	11.92-05.96	0 986 357 147	B 147
		106	4G63 Kat.	11.87-10.92	0 986 357 151	B 151
		107	4G63	11.87-10.92	0 986 357 151	B 151
		110	6A12 Kat.	11.92-05.96	0 986 357 218	B 218
2.5	2,5	125	6G73	11.92-05.96	0 986 357 218	B 218
L 200						
1.6	1,6	48/65-75	4G32	11.86-03.95		
2.0	2,0	65-75	4G63	11.86-05.95		
2.4	2,4	82	4G64 Kat.	06.90-11.97	0 986 357 196	B 196
		97	4G64 Kat.	01.96→	0 986 357 197	B 197
2.6	2,6	76	G54B	11.89-05.95	0 986 357 196	B 196
L 300						
1.6	1,6	48-51	4G32	11.86-05.94	0 986 357 185	B 185
2.0	2,0	65	4G63	11.86-06.93		
			4G63 Kat.	06.94-05.96	0 986 357 197	B 197
				06.94-12.01	0 986 357 197	B 197
		66	4G63 Kat.	11.86-06.95	0 986 357 185	B 185
				11.88-05.94	0 986 357 185	B 185
				06.94-06.95	0 986 357 197	B 197
		83/85	4G63 Kat.	06.94-04.00	0 986 357 197	B 197
2.4	2,4	82	4G64 Kat.	11.88-05.96	0 986 357 185	B 185
L 400						
2.0	2,0	83-85	4G63 Kat.	12.94-03.01	0 986 357 197	B 197
2.4	2,4	97	4G64 Kat.	12.94-03.01	0 986 357 197	B 197
Lancer						
1.2	1,2	40	4G16	04.88-05.92	0 986 357 093	B 093
1.3	1,3	44	4G13	04.88-07.95	0 986 357 093	B 093
		55	4G13 Kat.	04.88-05.92	0 986 357 093	B 093
				12.91-06.93	0 986 357 157	B 157
				06.92-07.95	0 986 357 093	B 093
				11.95-05.01	0 986 357 157	B 157



1 2 3 4 5 6 7 8

MITSUBISHI

Carisma

Champ

Colt

0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 040

Eclipse

Galant

0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 044
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	0 986 356 040
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	0 986 356 040
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	

L 200

0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 042
0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 042
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	0 986 356 042

L 300

0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013	
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013	0 986 356 049

L 400

Lancer

0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 040
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008	





◀ MITSUBISHI

1.3	1,3	58	4G13 Kat.	07.93-12.96		0 986 357 157	B 157	
		60	4G13	06.03-04.10		0 986 357 273	B 273	
1.5	1,5	60	4G15	06.85-05.92		0 986 357 093	B 093	
		62	4G15	04.88-05.92		0 986 357 093	B 093	
					05.89-05.92			
		62-66	4G15 Kat.	04.88-05.92				
		64	4G15	01.98 →		0 986 357 157	B 157	
		67	4G15	12.91-10.96		0 986 357 157	B 157	
					06.92-07.95		0 986 357 093	B 093
1.6	1,6	66/83	4G92 Kat.; 4G92 MVV	05.92-09.00		0 986 357 147	B 147	
		72	4G18	06.03-04.10		0 986 357 273	B 273	
		77-81	4G18	05.00-02.03		0 986 357 273	B 273	
1.8	1,8	100	4G67; 4G67 Kat.	11.89-05.92		0 986 357 151	B 151	
Pajero								
2.4	2,4	82-100	4G64 Kat.	12.90-05.94		0 986 357 122	B 122	
2.6	2,6	76/79	G54B; 4G54	12.82-06.91		0 986 357 196	B 196	
3.0	3,0	104	6G72	11.88-06.91				
3000	3,0	110	6G721 Kat.	12.90-05.94				
Santamo								
2.0	2,0	102		05.99-12.02		0 986 356 974	B 974	
Shogun								
2.6	2,6	76	4G54	12.82-12.92		0 986 357 196	B 196	
Space Gear								
2.0	2,0	83-85	4G63 Kat.	12.94-03.01		0 986 357 197	B 197	
2.4	2,4	94-97	4G64 Kat.	12.94-03.01		0 986 357 197	B 197	
Space Runner								
1.8	1,8	85-90	4G93 Kat.	06.91-05.99		0 986 357 147	B 147	
		92	4G93	06.91-05.92		0 986 357 147	B 147	
Space Wagon								
1.8	1,8	66	4G37	10.83-04.91		0 986 357 122	B 122	
		85-88/90	4G93; 4G93 Kat.	05.91-05.92		0 986 357 147	B 147	
2.0	2,0	74	4G63 Kat.	06.88-04.91		0 986 357 185	B 185	
					AA	0 986 357 122	B 122	
		75	4G63	02.85-04.91		0 986 357 122	B 122	
		98	4G63 Kat.	06.92-11.00		0 986 357 147	B 147	
2.4	2,4	97	4G64	05.91-05.92				
Spacestar								
1.3	1,3	60	4G13	06.98-05.00		0 986 357 272	B 272	
				06.00-12.04		0 986 357 273	B 273	
1.6	1,6	72	4G18	04.01-12.04		0 986 357 273	B 273	
3000 GT								
3.0	3,0	165/206-210	6G72	04.90-12.00		0 986 357 218	B 218	

MOSKWITSCH

Aleko

1.6	1,6	56	VAZ-2106	01.86-12.00			
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NISSAN

Almera

1.4	1,4	55-64	GA14DE	07.95-04.00		0 986 356 821	B 821
					WW	0 986 357 239	B 239
1.6	1,6	66-73	GA16DE	07.95-04.00		0 986 356 821	B 821
					WW	0 986 357 239	B 239
2.0	2,0	99-100	SR20DE	05.00-01.03	WW	0 986 357 239	B 239
						0 986 356 821	B 821
					WW	0 986 357 239	B 239
		105	SR20DE	04.96-04.00		0 986 356 821	B 821



1	2	3	4	5	6	7	8
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				
0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010				0 986 356 040
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				0 986 356 046
0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010				0 986 356 040
0 986 356 006	0 986 356 008	0 986 356 010	0 986 356 010				0 986 356 040
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004				0 986 356 046
Pajero							
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				0 986 356 040
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 010		0 986 356 038
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 010		0 986 356 038
Santamo							
Shogun							
Space Gear							
Space Runner							
Space Wagon							
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013				0 986 356 042
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				0 986 356 040
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013				0 986 356 042
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				
Spacestar							
3000 GT							
MOSKWITSCH							
Aleko							
0 986 356 021	0 986 356 023	0 986 356 023	0 986 356 021				0 986 356 042
NISSAN							
Almera							
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				





◀ NISSAN

Micra							
1.0	1,0	37-40	MA10S	12.82-07.92		0 986 356 702	B 702
1.2	1,2	40-42/44	MA12S	07.86-07.92		0 986 356 702	B 702
Pathfinder							
3.0	3,0	113	VG30E	07.92-07.95		0 986 357 177	B 177
Patrol							
3.0	3,0		RB30S	04.89-05.98			
Patrol GR							
4.2	4,2	118-121	TB42E	10.91-09.97			
Prairie Pro							
2.0	2,0	67	CA20S	10.88-04.92		0 986 356 790	B 790
		72/73	CA20E	10.88-04.92	AA		
Primera							
1.6	1,6	66/70	GA16DS	06.90-05.93		0 986 357 282	B 282
		66-75	GA16DE	04.93-12.01	WW	0 986 356 703	B 703
					WW	0 986 357 239	B 239
2.0	2,0	85	SR20DE	06.96-10.97		0 986 356 821	B 821
				01.98-06.99	WW	0 986 357 239	B 239
			SR20Di	06.90-07.94			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
		85-92	SR20De	07.94-12.97	WW	0 986 357 239	B 239
			SR20DE	09.94-06.96			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
		89	SR20Di	06.90-07.94			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
		96	SR20DE	06.96-10.97		0 986 356 821	B 821
				01.98-06.99	WW	0 986 357 239	B 239
		96/110	SR20DEH; SR20DEL	10.97-06.99		0 986 356 821	B 821
					WW	0 986 357 239	B 239
		103	SR20DE	06.99-12.01	WW	0 986 357 239	B 239
		110	SR20DE	06.90-06.96			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
				06.96-10.97		0 986 356 821	B 821
					WW	0 986 357 239	B 239
		112	SR20DE	06.90-05.93			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
Pulsar							
1.6	1,6	86	GA16DE	08.95-08.95		0 986 356 821	B 821
				08.95-06.00	WW	0 986 357 239	B 239
Serena							
1.6	1,6	71	GA16DE	07.92-11.01		0 986 356 893	B 893
					WW	0 986 357 280	B 280
2.0	2,0	93	SR20DE	07.92-11.01		0 986 356 893	B 893
					WW	0 986 357 280	B 280
Sunny							
1.4	1,4	55/58-63	GA14DS	10.90-05.95		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		60-64	GA14DE	10.92-05.95		0 986 356 821	B 821
					WW	0 986 357 239	B 239
1.6	1,6	66/70	GA16DS; GA16DS <AY>	10.90-07.95		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		75-81/88	GA16DE; GA16DE <AY>	10.92-→		0 986 356 821	B 821
					WW	0 986 357 239	B 239





1	2	3	4	5	6	7	8
							Micra
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 040
0 986 356 008	0 986 356 006	0 986 356 004	0 986 356 002				0 986 356 040
							Pathfinder
							Patrol
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 008	0 986 356 010	0 986 356 013		0 986 356 042
							Patrol GR
0 986 356 002	0 986 356 004	0 986 356 008	0 986 356 008	0 986 356 013	0 986 356 013		0 986 356 042
							Prairie Pro
0 986 356 008	0 986 356 008	0 986 356 006	0 986 356 006				0 986 356 040
0 986 356 188	0 986 356 187	0 986 356 187	0 986 356 186				0 986 356 044
							0 986 356 044
							Primera
0 986 356 173	0 986 356 173	0 986 356 171	0 986 356 171				0 986 356 040
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
							Pulsar
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
							Serena
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 046
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 046
							Sunny
0 986 356 173	0 986 356 173	0 986 356 171	0 986 356 171				0 986 356 040
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 173	0 986 356 171	0 986 356 171				0 986 356 040
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				





◀ NISSAN

2.0	2,0	105	SR20DE	10.90-09.94	MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
Terrano							
2.4	2,4	85-87/91	KA24E	02.93-12.06		0 986 356 807	B 807
					WW	0 986 357 236	B 236
3.0	3,0	109	VG30E	01.90-10.95		0 986 357 177	B 177
Urvan							
2.0	2,0	64-66	Z20; Z20S	11.86-01.95			
Vanette							
1.5	1,5	51	A15; A15S	09.85-06.94			
100 NX							
1.6	1,6	66/70	GA16DS	10.90-10.92		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		75-81	GA16DE	10.92-10.94		0 986 356 821	B 821
					WW	0 986 357 239	B 239
2.0	2,0	104	SR20DE	08.90-04.92	MMS	0 986 357 274	B 274
				10.90-10.92		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		105	SR20DE	10.90-10.93		0 986 357 282	B 282
					WW	0 986 356 703	B 703

OPEL

Astra F

1.4	1,4	44	C 14 NZ <OHC>	09.91-02.98			
			Mot.Nr. →02V57973	09.91-02.98		0 986 356 747	B 747
			Mot.Nr. →1924162302; V57974→02BF1476	09.91-02.98		0 986 357 127	B 127
			X 14 NZ <OHC>	09.97-02.98			
			Mot.Nr. →02V57973	09.97-02.98		0 986 356 747	B 747
			Mot.Nr. →1924162302; V57974→02BF1476	09.97-02.98		0 986 357 127	B 127
		55	14 NV <OHC>	09.91-09.93			
			Mot.Nr. →02V57973	09.91-09.93		0 986 356 747	B 747
			Mot.Nr. →1924162302; V57974→02BF1476	09.91-09.93		0 986 357 127	B 127
		60	14 SE / C 14 SE <OHC>	03.92-02.98			
			Mot.Nr. →02T14052; →19880550	03.92-02.98		0 986 357 127	B 127
			Mot.Nr. 02T14053→02BD1413; 19880551→19280316	03.92-02.98		0 986 357 124	B 124
		66	X 14 XE <Ecotec DOHC>	04.96-02.98		0 986 356 778	B 778
					WW	0 986 357 234	B 234
1.6	1,6	52	X 16 SZ				
			Mot.Nr. →02BE6166	09.92-02.96		0 986 357 124	B 124
			Mot.Nr. 02BE6167→	09.92-02.96		0 986 357 226	B 226
		55	C/E 16 NZ <OHC>	09.91-08.94			
			Mot.Nr. 02BE6167→	09.93-08.94		0 986 357 156	B 156
			Mot.Nr. →02V65825	09.91-08.94		0 986 356 723	B 723
			Mot.Nr. 02V65826→2BE6166	09.91-08.94		0 986 357 249	B 249
			X 16 SZR <Ecotec OHC>	09.97-08.02		0 986 357 126	B 126
			X 16 SZR <OHC Ecotec>				
			Mot.Nr. →02BE6166	09.95-08.97		0 986 357 124	B 124
			Mot.Nr. 02BE6167→	09.95-08.97		0 986 357 226	B 226
			16 NZR				
			Mot.Nr. →02BE6166	09.97-02.98		0 986 357 124	B 124
			Mot.Nr. 02BE6167→	09.97-02.98		0 986 357 226	B 226
			16 NZR <OHC>				
			Mot.Nr. →02BE6166	09.97-02.98		0 986 357 124	B 124
			Mot.Nr. 02BE6167→	09.97-02.98		0 986 357 226	B 226
		60	16 SV				
			Mot.Nr. →02E85672	09.91-02.92		0 986 356 723	B 723
			Mot.Nr. 02E85673→	09.91-02.92		0 986 357 127	B 127
			Mot.Nr. 02E85673→19585415	09.91-02.92			





1	2	3	4	5	6	7	8
0986 356 173	0986 356 172	0986 356 171	0986 356 170				0986 356 038
							Terrano
0986 356 002	0986 356 004	0986 356 004	0986 356 006				0986 356 042
							Urvan
							0986 356 038
							Vanette
0986 356 019	0986 356 017	0986 356 017	0986 356 017				0986 356 040
							100 NX
0986 356 173	0986 356 173	0986 356 171	0986 356 171				0986 356 040
0986 356 173	0986 356 172	0986 356 171	0986 356 170				
0986 356 173	0986 356 173	0986 356 171	0986 356 171				0986 356 040
0986 356 173	0986 356 173	0986 356 171	0986 356 171				0986 356 040
OPEL							
							Astra F
							0986 356 230
0986 356 242	0986 356 240	0986 356 239	0986 356 237				0986 356 230
0986 356 242	0986 356 240	0986 356 239	0986 356 237				0986 356 230
0986 356 242	0986 356 240	0986 356 239	0986 356 237				0986 356 230
0986 356 183	0986 356 181	0986 356 181	0986 356 180				
0986 356 247	0986 356 246	0986 356 244	0986 356 243				0986 356 061
0986 356 218	0986 356 217	0986 356 085	0986 356 061				
0986 356 252	0986 356 252	0986 356 252	0986 356 251				
0986 356 247	0986 356 246	0986 356 244	0986 356 243				
0986 356 247	0986 356 246	0986 356 244	0986 356 243				
0986 356 247	0986 356 246	0986 356 244	0986 356 243				
0986 356 218	0986 356 217	0986 356 085	0986 356 061				0986 356 061
							0986 356 230
0986 356 088	0986 356 088	0986 356 086	0986 356 086				





◀ OPEL

1.6	1,6	60	Mot.Nr. 19585416→	09.91-02.92			
		74	C 16 SE <OHC>	03.92-12.93	TW	0 986 357 063	B 063
			Mot.Nr. →02BD0920	03.92-02.98		0 986 357 124	B 124
			Mot.Nr. 02BD0921→	03.92-02.98		0 986 357 226	B 226
			X 16 XEL <DOHC Ecotec>				
			Mot.Nr. →20C17332	09.94-02.98		0 986 356 778	B 778
			Mot.Nr. 20C17333→	09.94-02.98	WW	0 986 357 234	B 234
			X 16 XEL <Ecotec DOHC>	09.97-08.02		0 986 357 234	B 234
1.8	1,8	66	C 18 NZ <OHC>	09.91-02.98			
			Mot.Nr. →14349311	09.91-02.98		0 986 356 801	B 801
			Mot.Nr. 14349312→	09.91-02.98		0 986 357 127	B 127
		82	18 SE <OHC>				
			Mot.Nr. →14258179	09.95-09.96		0 986 356 722	B 722
			Mot.Nr. 14258180→	09.95-09.96		0 986 356 801	B 801
		85	C 18 SEL <DOHC>				
			Fg.Nr. →V8999999	09.95-08.97		0 986 357 237	B 237
			Fg.Nr. W2000000→	09.95-08.97		0 986 357 284	B 284
			C 18 XEL <DOHC>				
			Fg.Nr. →V8999999	09.94-02.98		0 986 357 237	B 237
			Fg.Nr. W2000000→	09.94-02.98		0 986 357 284	B 284
	X 18 XE <DOHC>						
	Fg.Nr. →V8999999	09.95-08.98		0 986 357 237	B 237		
	Fg.Nr. W2000000→	09.95-08.98		0 986 357 284	B 284		
	92	C 18 XE <DOHC>					
	Fg.Nr. →V8999999	09.93-02.98		0 986 357 237	B 237		
	Fg.Nr. W2000000→	09.93-02.98		0 986 357 284	B 284		
2.0	2,0	85	C 20 NE / 20 NE <OHC>	09.91-02.98			
			Fg.Nr. S2000001→	09.91-02.98			
			Mot.Nr. →14672353	09.91-02.98		0 986 356 801	B 801
			Mot.Nr. 14672354→Fgst.Nr.R8999999	09.91-02.98		0 986 357 127	B 127
		100	X 20 XEV <DOHC Ecotec>				
			Fg.Nr. →V8999999	01.95-02.98		0 986 357 237	B 237
			Fg.Nr. W2000000→	01.95-02.98		0 986 357 284	B 284
		110	C 20 XE / XE-LN <DOHC>	09.91-02.98			
			Mot.Nr. →14002934	09.91-02.98		0 986 357 233	B 233
			Mot.Nr. 14002935→	09.91-02.98			
	C 20 XE <DOHC>	09.91-02.98					
	Mot.Nr. →14002934	09.91-02.98		0 986 357 233	B 233		
	Mot.Nr. 14002935→	09.91-02.98					

Astra G

1.6	1,6	55/62	X 16 SZR <Ecotec DOHC>; X 16 SZR <Ecotec OHC>; Z 16 SE <Ecotec>; Z 16 SE <Ecotec OHC>	09.97-06.04		0 986 357 126	B 126
		76	Z 16 XEP <DOHC>; Z 16 XEP <Twinport DOHC>; Z 16 XEP <Twinport Ecotec>	03.03-08.05			

Astra H

1.6	1,6	77	Z 16 XEP <Twinport Ecotec>	03.04-03.07			
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Calibra

2.0	2,0	85	C 20 NE <OHC II>				
			Fg.Nr. S1.....→S9.....→	06.90-03.97		0 986 357 242	B 242
			Mot.Nr. →14672352	06.90-03.97		0 986 356 801	B 801
			Mot.Nr. 14672353→Fg.Nr. R1.....; Mot.Nr. 14672353→Fg.Nr. R9.....	06.90-03.97		0 986 357 125	B 125
		100	X 20 XEV <Ecotec DOHC II>				
			Mot.Nr. →14195306	09.93-08.96		0 986 357 237	B 237
			Mot.Nr. 14195307→	09.93-08.96		0 986 357 284	B 284
		110	C 20 XE,XE-LN <DOHC>				
			Fg.Nr. P1000001→; P9000001→	06.90-03.97		0 986 357 237	B 237
			Mot.Nr. →14028514	06.90-03.97		0 986 357 139	B 139
			WW	0 986 357 227	B 227		
		Mot.Nr. 14180386→Fg.Nr. N1999999	06.90-03.97		0 986 357 233	B 233	
150	C 20 LET <DOHC>	03.92-03.97		0 986 357 233	B 233		



1	2	3	4	5	6	7	8
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				Astra G
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				Astra H
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				Calibra
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				





◀ OPEL

2.5	2,5	125	C 25 XE; X 25 XE				
			Mot.Nr. →08145499	04.93-03.97		0 986 357 143	B 143
			Mot.Nr. 08145500→	04.93-03.97		0 986 357 050	B 050
Combo							
1.2	1,2	33	C 12 NZ	09.94-10.01			
			Mot.Nr. 19330001→	09.94-10.01		0 986 357 226	B 226
			Mot.Nr. →19334656	09.94-10.01		0 986 357 148	B 148
			Mot.Nr. 19334657→	09.94-10.01		0 986 357 247	B 247
			X 12 SZ <Ecotec>				
			Mot.Nr. 02HY3580→	09.94-10.01		0 986 357 126	B 126
			Mot.Nr. →19330000	09.94-10.01		0 986 357 124	B 124
			Mot.Nr. 19330001→	09.94-10.01		0 986 357 226	B 226
			Mot.Nr. 19330001→02HY3579	09.94-10.01			
			12 NZ	06.00-10.01			
			Mot.Nr. →19334656	06.00-10.01		0 986 357 148	B 148
			Mot.Nr. 19334657→	06.00-10.01		0 986 357 247	B 247
1.4	1,4	44	C 14 NZ	09.94-10.01	KL		
			Mot.Nr. →02BF1475; →19241622	09.94-10.01		0 986 357 148	B 148
			Mot.Nr. 02BF1476→; 19241623→	09.94-10.01	KL, WW	0 986 357 247	B 247
					KL	0 986 356 746	B 746
			X 14 SZ <Ecotec>				
			Mot.Nr. →02HY3579; →19747137	04.96-10.01		0 986 357 226	B 226
			Mot.Nr. 02HY3580→	04.96-10.01		0 986 357 126	B 126
		60	C 14 SE				
			Mot.Nr. →02BD1412; →19262000	09.94-10.01		0 986 357 124	B 124
			Mot.Nr. 02BD1413→02HY3579; 19262001→	09.94-10.01		0 986 357 226	B 226
			Mot.Nr. 02HY3580→	09.94-10.01		0 986 357 126	B 126
		66	C 14 SEL				
			Mot.Nr. →20C17331	08.99-10.01		0 986 356 778	B 778
					WW	0 986 357 234	B 234
				08.08→		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17332→	08.99-10.01			
				08.08→			
1.6	1,6	64	Z 16 SE	10.01-08.04		0 986 357 126	B 126
		71	Y 16 YNG <Ecotec-Gas CNG>	04.05-05.06			
Corsa A							
1.0	1,0	33	10 S OHV	09.82-08.94		0 986 356 862	B 862
1.2	1,2	33	C 12 NZ <OHC>	09.90-08.94		0 986 357 148	B 148
			Mot.Nr. 19B38644→	09.90-08.94			
		37-40	A 12 ST <OHC>	09.86-08.94		0 986 356 886	B 886
		38/40-44	S 12 ST <OHC>; 12 NV <OHC>; 12 S <OHC>; 12 ST <OHC>	09.82-08.94		0 986 356 886	B 886
1.3	1,3	44/51	C 13 N <OHC>; 13 S <OHC>; 13 SB <OHC>	09.82-08.94		0 986 356 886	B 886
1.4	1,4	40-44	C 14 NZ <OHC>	01.90-08.94		0 986 357 148	B 148
			Mot.Nr. 02N40263→	01.90-08.94			
		53	14 NV <OHC>	01.90-08.94		0 986 357 148	B 148
			Mot.Nr. 19585416→	01.90-08.94			
		60	C 14 SE <OHC>	09.91-08.94		0 986 357 063	B 063
			Mot.Nr. →02T14052	09.91-08.94		0 986 357 148	B 148
			Mot.Nr. 02T14053→	09.91-08.94		0 986 357 124	B 124
			Mot.Nr. →19585415	09.91-08.94	TW		
			Mot.Nr. 19585416→	09.91-08.94	TW		
1.6	1,6	55	C 16 NZ <OHC>	04.89-08.94			
			Fg.Nr. →L4999999	04.89-08.94			
			Fg.Nr. M4000001→	04.89-08.94			
		72	C16 SEI <OHC Irmischer>				
			Mot.Nr. →02V57973	09.89-08.94		0 986 357 063	B 063
		74	C 16 SE <OHC>	05.88-08.94			
			Mot.Nr. →02V57973	05.88-08.94		0 986 356 746	B 746
			Mot.Nr. 02V57974→	05.88-08.94		0 986 357 148	B 148
			E 16 SE <OHC>				
			Fg.Nr. K4000001→	05.88-08.94			
			Mot.Nr. 02E88110→	05.88-08.94			



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Combo

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

Corsa A

0 986 356 023 0 986 356 023 0 986 356 021 0 986 356 021

0 986 356 049

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 084 0 986 356 084 0 986 356 061 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 061 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 061 0 986 356 061

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 088 0 986 356 088 0 986 356 087 0 986 356 086

0 986 356 088 0 986 356 086 0 986 356 086 0 986 356 086

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 218 0 986 356 217 0 986 356 085 0 986 356 061

0 986 356 089

0 986 356 229

0 986 356 088 0 986 356 088 0 986 356 087 0 986 356 086

0 986 356 089

0 986 356 088 0 986 356 088 0 986 356 086 0 986 356 086





◀ OPEL

Corsa B

1.2	1,2	33	C 12 NZ	03.93-08.00				
			Mot.Nr. →19334656	03.93-08.00		0 986 357 148	B 148	
			Mot.Nr. 19334657→	03.93-08.00	WW	0 986 357 247	B 247	
			X 12 SZ <Ecotec>					
			Mot.Nr. 02HY3580→	03.93-08.00		0 986 357 126	B 126	
			Mot.Nr. →19330000	03.93-08.00		0 986 357 124	B 124	
			Mot.Nr. 19330001→	03.93-08.00		0 986 357 226	B 226	
			Mot.Nr. 19330001→02HY3579	03.93-08.00				
			12 NZ	03.93-08.00				
			Mot.Nr. →19334656	03.93-08.00		0 986 357 148	B 148	
Mot.Nr. 19334657→	03.93-08.00	WW	0 986 357 247	B 247				
1.4	1,4	44	C 14 NZ	03.93-08.00	KL			
			Mot.Nr. →02BF1475; →19241622	03.93-08.00		0 986 357 148	B 148	
			Mot.Nr. 02BF1476→; 19241623→	03.93-08.00	KL,WW	0 986 357 247	B 247	
					KL	0 986 356 746	B 746	
			X 14 SZ <Ecotec>					
			Mot.Nr. →02HY3579; →19747137	09.96-09.00		0 986 357 226	B 226	
			Mot.Nr. 02HY3580→	09.96-09.00		0 986 357 126	B 126	
			60	C 14 SE				
			Mot.Nr. →02BD1412; →19262000	03.93-08.00		0 986 357 124	B 124	
			Mot.Nr. 02BD1413→02HY3579; 19262001→	03.93-08.00		0 986 357 226	B 226	
Mot.Nr. 02HY3580→	03.93-08.00		0 986 357 126	B 126				
63	C 14 SEL							
Mot.Nr. →20C17331	03.98-08.00		0 986 356 778	B 778				
	Mot.Nr. 20C17332→	03.98-08.00	WW	0 986 357 234	B 234			
66	X 14 XE <Ecotec>							
Mot.Nr. →20C17331	03.93-08.99		0 986 356 778	B 778				
	Mot.Nr. 20C17332→	03.93-08.99	WW	0 986 357 234	B 234			
1.6	1,6	74	C 16 SEL					
			Mot.Nr. →20C17331	06.98-08.00		0 986 356 778	B 778	
				Mot.Nr. 20C17332→	06.98-08.00	WW	0 986 357 234	B 234
			78	X 16 XE <Ecotec>				
			Mot.Nr. →20C17331	03.93-08.99		0 986 356 778	B 778	
				Mot.Nr. 20C17332→	03.93-08.99	WW	0 986 357 234	B 234
			80	C 16 XE				
			Mot.Nr. →20C17331	03.93-08.00		0 986 356 778	B 778	
				Mot.Nr. 20C17332→	03.93-08.00	WW	0 986 357 234	B 234

Corsa C

1.6	1,6	62	Z 16 SE <Ecotec>	09.01-08.05		0 986 357 126	B 126
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Frontera

2.0	2,0	85	C 20 NE				
			Mot.Nr. →14672353	09.91-08.95		0 986 356 850	B 850
			Mot.Nr. 14672354→	09.91-08.95		0 986 357 125	B 125
			X 20 SE <Ecotec>	02.95-08.98		0 986 357 228	B 228
2.2	2,2	100	X 22 XE <Ecotec>	02.95-08.98		0 986 357 228	B 228
2.4	2,4	92	C 24 NE CIH	09.91-08.95		0 986 356 864	B 864

Kadett

1.3	1,3	44	C 13 N <OHC>; 13 N, NB <OHC>	09.84-08.91		0 986 356 723	B 723
1.4	1,4	44/55	C 14 NZ <OHC>; E 14 LV <OHC>; 14 NV <OHC>	01.90-08.91		0 986 357 127	B 127
1.6	1,6	55	C 16 LZ	09.86-08.93			
			Mot.Nr. →02V65825	09.86-08.93			
			Mot.Nr. →02V65825; →02V65825	09.86-08.93		0 986 356 723	B 723
			Mot.Nr. 02V65826→	09.86-08.93		0 986 357 249	B 249
			C 16 NZ <OHC>	09.86-08.91			
			Mot.Nr. →02V65825	09.86-08.91			
			Mot.Nr. →02V65825; →02V65825	09.86-08.91		0 986 356 723	B 723
			Mot.Nr. 02V65826→	09.86-08.91		0 986 357 249	B 249



1	2	3	4	5	6	7	8	
								Corsa B
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
0 986 356 181	0 986 356 181	0 986 356 180	0 986 356 180					
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243					
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180					
								Corsa C
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
								Frontera
								Kadett
0 986 356 084	0 986 356 217	0 986 356 085	0 986 356 061					0 986 356 061
								0 986 356 230
								0 986 356 061
0 986 356 084	0 986 356 217	0 986 356 085	0 986 356 061					
								0 986 356 061
0 986 356 084	0 986 356 217	0 986 356 085	0 986 356 061					





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1.6	1,6	55	E 16 NZ <OHC>	09.87-08.91		
			Mot.Nr. →02V65825	09.87-08.91		
			Mot.Nr. →02V65825; →02V65825	09.87-08.91		0 986 356 723 B 723
			Mot.Nr. 02V65826→	09.87-08.91		0 986 357 249 B 249
		60	16 SV <OHC>			
			Mot.Nr. →02E85672	09.86-08.91		0 986 356 723 B 723
			Mot.Nr. 02E85673→	09.86-08.91		0 986 357 127 B 127
			Mot.Nr. 02E85673→19585415	09.86-08.91		
		74	E 16 SE <OHC>	04.89-08.91		
			Mot.Nr. →02V65825	04.89-08.91		
Mot.Nr. →02V65825; →02V65825	04.89-08.91			0 986 356 723 B 723		
Mot.Nr. 02V65826→	04.89-08.91			0 986 357 249 B 249		
1.8	1,8	62	E 18 NV <OHC>			
			Mot.Nr. →14258179	09.87-08.91		0 986 356 722 B 722
			Mot.Nr. 14258180→14275381	09.87-08.91		0 986 356 801 B 801
			Mot.Nr. 14275382→	09.87-08.91		0 986 357 127 B 127
		66	S 18 NV <OHC>			
			Mot.Nr. →14258179	09.86-08.91		0 986 356 722 B 722
			Mot.Nr. 14258180→14275381	09.86-08.91		0 986 356 801 B 801
			Mot.Nr. 14275382→	09.86-08.91		0 986 357 127 B 127
		82-85	C 18 NZ <OHC>			
			Fg.Nr. J2791967→; J5273427→; JE215465→	09.90-08.91	TW	0 986 356 801 B 801
			Mot.Nr. 14258180→	09.90-08.91		
			Mot.Nr. 14258180→14349310	09.90-08.91		0 986 356 801 B 801
		82-85	Mot.Nr. 14349311→	09.90-08.91		0 986 357 127 B 127
			18 E <OHC>			
			Mot.Nr. →14258179	09.86-08.91		0 986 356 722 B 722
			Mot.Nr. 14258180→14275381	09.86-08.91		0 986 356 801 B 801
2.0	2,0	85	C 20 NE <OHC>			
			Mot.Nr. →14180385	09.86-08.91		0 986 356 722 B 722
			Mot.Nr. 14180386→14672352	09.86-08.91		0 986 356 801 B 801
			Mot.Nr. 14672353→	09.86-08.91		0 986 357 127 B 127
		91	20 NE <OHC>			
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91		
			Mot.Nr. →14180385	09.86-08.91		0 986 356 722 B 722
			Mot.Nr. 14180386→	09.86-08.91		
		95	Mot.Nr. 14180386→14672352	09.86-08.91		0 986 356 801 B 801
			Mot.Nr. 14672353→	09.86-08.91		0 986 357 127 B 127
			20 SER <OHC>			
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.87-08.91	TW	0 986 356 722 B 722
		110-115	Fg.Nr. L5362399→	09.87-08.91		0 986 357 127 B 127
			20 SEH <OHC>			
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91	TW	0 986 356 722 B 722
			Fg.Nr. J2791968→; J5273426→; JE215465→	09.86-08.91		
		110-115	Fg.Nr. L5362399→	09.86-08.91		0 986 357 127 B 127
			C 20 XE / XEJ <OHC>			
			Mot.Nr. →14028514	03.88-08.91		0 986 357 139 B 139
					WW	0 986 357 227 B 227
Mot.Nr. 14028515→	03.88-08.91			0 986 357 233 B 233		
20 XE <DOHC>						
Mot.Nr. →14180385	03.88-08.91			0 986 357 139 B 139		
			WW	0 986 357 227 B 227		
Mot.Nr. 14180386→	03.88-08.91		0 986 357 233 B 233			
Meriva						
1.6	1,6	64	Z 16 SE	03.03-09.05		0 986 357 126 B 126
Monterey						
3.2	3,2	130	6VDI	04.92-12.97		0 986 357 167 B 167
Omega A						
1.8	1,8	60	S 18 NV			
			Fg.Nr. L1204908→	09.86-03.94		0 986 357 125 B 125
			Mot.Nr. →14258179	09.86-03.94		0 986 356 800 B 800



1	2	3	4	5	6	7	8
							0 986 356 061
0 986 356 084	0 986 356 217	0 986 356 085	0 986 356 061				
							0 986 356 061
0 986 356 218	0 986 356 217	0 986 356 085	0 986 356 061				0 986 356 230
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				0 986 356 061
0 986 356 084	0 986 356 217	0 986 356 085	0 986 356 061				
							0 986 356 090
							0 986 356 090
							0 986 356 229
							0 986 356 090
							0 986 356 090
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				Meriva
							Monterey
							Omega A





◀ OPEL

1.8	1,8	60	S 18 NV					
			Mot.Nr. 14258180→Fg.Nr. L1204907	09.86-03.94		0 986 356 850	B 850	
		65	E 18 NVR					
			Fg.Nr. L1204908→	09.87-03.94		0 986 357 125	B 125	
			Mot.Nr. →14258179	09.87-03.94		0 986 356 800	B 800	
			Mot.Nr. 14258180→Fg.Nr. L1204907	09.87-03.94		0 986 356 850	B 850	
66	18 SV	Fg.Nr. L1204908→	09.86-03.94		0 986 357 125	B 125		
		Mot.Nr. 14258180→Fg.Nr. L1204907	09.86-03.94		0 986 356 850	B 850		
85	18 SEH	Fg.Nr. L1204908→	09.86-03.94		0 986 357 125	B 125		
		Mot.Nr. →14258179	09.86-03.94		0 986 356 800	B 800		
		Mot.Nr. 14258180→Fg.Nr. L1204907	09.86-03.94		0 986 356 850	B 850		
2.0	2,0	74	C 20 NEJ/NEF					
			Mot.Nr. →14180385	06.89-02.92		0 986 356 800	B 800	
			Mot.Nr. 14180386→14672352	06.89-02.92		0 986 356 850	B 850	
			Mot.Nr. 14672353→	06.89-02.92		0 986 357 125	B 125	
		85	C 20 NE	Mot.Nr. →14180385	09.86-03.94		0 986 356 800	B 800
				Mot.Nr. 14180386→14672352	09.86-03.94		0 986 356 850	B 850
Mot.Nr. 14672353→	09.86-03.94				0 986 357 125	B 125		
90	20 SE	Fg.Nr. K1000099→Mot.Nr. 14180385	09.86-03.94		0 986 356 800	B 800		
		Mot.Nr. 14180386→14312950	09.86-03.94		0 986 356 850	B 850		
		Mot.Nr. 14312951→	09.86-03.94		0 986 357 125	B 125		
2.4	2,4	92	C 24 NE CIH					
			Mot.Nr. →01036313	09.88-03.94				
			Mot.Nr. 01036314→	09.88-03.94		0 986 356 864	B 864	
2.6	2,6	110	C 26 NE CIH		09.90-03.94		0 986 356 814	B 814
3.0	3,0	130	C 30 NE CIH					
			Fg.Nr. →K1000098	01.88-03.94				
			Fg.Nr. K1000099→Mot.Nr. 01026690	01.88-03.94				
			Mot.Nr. →01026690	01.88-03.94		0 986 357 011	B 011	
		Mot.Nr. 01026691→	01.88-03.94		0 986 357 086	B 086		
147-150	C 30 SE, SEJ		09.89-03.94					
Omega B								
2.0	2,0	85	X 20 SE <Ecotec>					
			Mot.Nr. →14367064	04.94-08.98		0 986 357 126	B 126	
			20 SE <Ecotec>					
			Mot.Nr. →14367064	04.94-08.98		0 986 357 126	B 126	
		100	X 20 XEV <Ecotec>	09.93-08.99	TW	0 986 357 237	B 237	
2.5	2,5	125	X 25 XE <Ecotec>					
			Mot.Nr. →08145499	04.94-11.00		0 986 357 055	B 055	
			Mot.Nr. 08145500→	04.94-11.00		0 986 357 050	B 050	
3.0	3,0	155	X 30 XE <Ecotec>					
			Mot.Nr. →08145499	04.94-02.01		0 986 357 055	B 055	
			Mot.Nr. 08145500→	04.94-02.01		0 986 357 050	B 050	
Senator								
2.6	2,6	110	C 26 NE CIH		09.90-09.93		0 986 356 814	B 814
3.0	3,0	115	C 30 LE CIH					
			Fg.Nr. →K1000098	09.87-09.93				
			Fg.Nr. K1000099→Mot.Nr. 01018097	09.87-09.93				
			Mot.Nr. →01018097	09.87-09.93		0 986 357 011	B 011	
		Mot.Nr. 01018098→	09.87-09.93		0 986 357 086	B 086		
	130	C 30 NE CIH						
			Fg.Nr. K1000099→Mot.Nr. 01026690	01.88-09.93		0 986 357 011	B 011	
			Mot.Nr. 01026691→	01.88-09.93		0 986 357 086	B 086	
	150	C 30 SE <DOHC>		09.89-09.93				
Sintra								
2.2	2,2	104	X 22 XE <Ecotec>		09.96-09.99		0 986 357 237	B 237
3.0	3,0	148	X 30 XE <Ecotec>		09.96-09.99		0 986 357 055	B 055



1 2 3 4 5 6 7 8

0 986 356 019 0 986 356 021 0 986 356 023 0 986 356 027

0 986 356 229

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029
 0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 042
 0 986 356 089

0 986 356 090
 0 986 356 190

Omega B

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237
 0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

Senator

0 986 356 042
 0 986 356 089

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 090

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 089
 0 986 356 090
 0 986 356 190

Sintra

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253





◀ OPEL

Tigra								
1.4	1,4	63-66	X 14 XE <Ecotec>					
			Mot.Nr. →20C17331	09.94-08.99		0 986 356 778	B 778	
			Mot.Nr. 20C17332→	09.94-08.99	WW	0 986 357 234	B 234	
1.6	1,6	74	C 16 SEL <Ecotec>					
			Mot.Nr. →20C17331	08.97-08.98		0 986 356 778	B 778	
				Mot.Nr. 20C17332→	08.97-08.98	WW	0 986 357 234	B 234
			78	X 16 XE <Ecotec>				
			Mot.Nr. →20C17331	09.94-08.99		0 986 356 778	B 778	
			Mot.Nr. 20C17332→	09.94-08.99	WW	0 986 357 234	B 234	
Vectra								
1.6	1,6	55	X 16 SZR <Ecotec>					
			Mot.Nr. →02HP7704	09.96-07.03		0 986 357 226	B 226	
			Mot.Nr. 02HP7705→	09.96-07.03		0 986 357 126	B 126	
			16 LZ2	09.95-07.03		0 986 357 242	B 242	
		74	X 16 XEL <Ecotec>					
			Mot.Nr. →20C17331	09.95-07.02		0 986 356 778	B 778	
			Mot.Nr. 20C17332→	09.95-07.02	WW	0 986 357 234	B 234	
Vectra A								
1.4	1,4	55	14 NV					
			Mot.Nr. →02J22349	09.88-09.92		0 986 356 796	B 796	
			Mot.Nr. 02J22350→	09.88-09.92				
			Mot.Nr. →19585415	09.88-09.92	TW			
			Mot.Nr. 19585416→	09.88-09.92	TW	0 986 357 148	B 148	
1.6	1,6	52	X 16 SZ <Ecotec>					
			Fg.Nr. →P1999999; →P5999999; →P7999999	09.93-08.95		0 986 357 124	B 124	
				Fg.Nr. R1000001→; R5000001→; R7500001→	09.93-08.95		0 986 357 226	B 226
			55	C 16 LZ2				
				Fg.Nr. P1000001→; P5000001→; P7000001→	09.92-08.95		0 986 357 242	B 242
				C 16 NZ2				
				Fg.Nr. P1000001→; P5000001→; P7000001→	09.93-08.95		0 986 357 242	B 242
			55-60	E 16 NZ, C 16 NZ				
				Fg.Nr. R1000001→; R5000001→; R7500001→	09.88-08.95		0 986 357 156	B 156
				Mot.Nr. →02V65825	09.93-08.95		0 986 357 156	B 156
			Mot.Nr. →02V65825	09.88-08.95		0 986 356 723	B 723	
		60	16 SV					
			Mot.Nr. →02E85672	09.88-08.95		0 986 356 723	B 723	
			Mot.Nr. 02E85673→	09.88-08.95		0 986 357 148	B 148	
			Mot.Nr. 02E85673→02N39785	09.88-08.95				
			Mot.Nr. 02N39786→	09.88-08.95				
1.8	1,8	65	E 18 NVR					
			Mot.Nr. →14180385	09.88-08.95		0 986 356 722	B 722	
			Mot.Nr. 14180386→	09.88-08.95				
			Mot.Nr. 14180386→14275381	09.88-08.95		0 986 356 801	B 801	
			Mot.Nr. 14275382→14279654	09.88-08.95		0 986 357 125	B 125	
				Mot.Nr. 14279655→	09.88-08.95		0 986 357 242	B 242
			66	C 18 NZ				
				Mot.Nr. →14349310	03.90-08.95		0 986 356 801	B 801
				Mot.Nr. 14349311→14432540	03.90-08.95		0 986 357 125	B 125
				Mot.Nr. 14432541→	03.90-08.95		0 986 357 242	B 242
			18 SV					
			Mot.Nr. →14180385	09.89-08.95		0 986 356 722	B 722	
			Mot.Nr. 14180386→	09.89-08.95				
			Mot.Nr. 14180386→14275381	09.89-08.95		0 986 356 801	B 801	
			Mot.Nr. 14275382→14279654	09.89-08.95		0 986 357 125	B 125	
			Mot.Nr. 14279655→	09.89-08.95		0 986 357 242	B 242	
2.0	2,0	74-85	20 NE, C 20 NE/NEF					
			Mot.Nr. →14180385	09.88-08.95		0 986 356 722	B 722	
			Mot.Nr. 14180386→	09.88-08.95				
			Mot.Nr. 14180386→14672352	09.88-08.95		0 986 356 801	B 801	
			Mot.Nr. 14672353→14841581	09.88-08.95		0 986 357 125	B 125	
			Mot.Nr. 14841582→	09.88-08.95		0 986 357 242	B 242	





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Vectra

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Vectra A

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◀ OPEL

2.0	2,0	85	20 NE, C 20 NE				
			Mot.Nr. →14180385	01.89-08.95	0 986 356 722	B 722	
			Mot.Nr. 14180386→14672352	01.89-08.95	0 986 356 801	B 801	
			Mot.Nr. 14672353→14841581	01.89-08.95	0 986 357 125	B 125	
			Mot.Nr. 14841582→	01.89-08.95	0 986 357 242	B 242	
	95			20 SEH			
				Mot.Nr. →14180385	09.88-08.95		
				Mot.Nr. 14180386→	09.88-08.95		
				Mot.Nr. 14180386→14672352	09.88-08.95	0 986 356 801	B 801
	100			Mot.Nr. 14672353→	09.88-08.95	0 986 357 125	B 125
				X 20 XEV <Ecotec>	11.93-08.95	0 986 357 237	B 237
	110			C 20 XE/XEJ			
				Fg.Nr. P1000001→; P5000001→; P7500001→	09.92-08.95	0 986 357 237	B 237
				Mot.Nr. →14028514	09.92-08.95	0 986 357 139	B 139
						WW	0 986 357 227
Mot.Nr. 14028515→Fg.Nr. NV999999;				09.92-08.95	0 986 357 233	B 233	
Mot.Nr. 14028515→Fg.Nr. N1999999;							
Mot.Nr. 14028515→Fg.Nr. N5999999							
20 XE/XEJ							
Fg.Nr. P1000001→; P5000001→; P7500001→				09.92-08.95	0 986 357 237	B 237	
Mot.Nr. →14180385; →14028514				09.92-08.95	0 986 357 139	B 139	
					WW	0 986 357 227	B 227
Mot.Nr. 14180386→Fg.Nr. NV999999;				09.92-08.95	0 986 357 233	B 233	
Mot.Nr. 14180386→Fg.Nr. N1999999;							
Mot.Nr. 14180386→Fg.Nr. N5999999							
150			C 20 LET	09.92-08.95	0 986 357 233	B 233	
2.5	2,5	125	C 25 XE				
			Mot.Nr. →08145499	02.93-08.95	0 986 357 143	B 143	
			Mot.Nr. 08145500→	02.93-08.95	0 986 357 050	B 050	
2000	2,0	110	C 20 XE/XEJ				
			Fg.Nr. P1000001→; P5000001→; P7500001→	09.89-08.92	0 986 357 237	B 237	
			Mot.Nr. →14028514	09.89-08.92	0 986 357 139	B 139	
					WW	0 986 357 227	B 227
			Mot.Nr. 14028515→Fg.Nr. NV999999;	09.89-08.92	0 986 357 233	B 233	
			Mot.Nr. 14028515→Fg.Nr. N1999999;				
			Mot.Nr. 14028515→Fg.Nr. N5999999				
			20 XE/XEJ				
			Fg.Nr. P1000001→; P5000001→; P7500001→	09.89-08.92	0 986 357 237	B 237	
			Mot.Nr. →14180385→14028514	09.89-08.92	0 986 357 139	B 139	
					WW	0 986 357 227	B 227
			Mot.Nr. 14180386→Fg.Nr. NV999999;	09.89-08.92	0 986 357 233	B 233	
			Mot.Nr. 14180386→Fg.Nr. N1999999;				
			Mot.Nr. 14180386→Fg.Nr. N5999999				
			110-115			20 XE/XEJ	
			Fg.Nr. P1000001→; P5000001→; P7500001→	09.89-08.92	0 986 357 237	B 237	
			Mot.Nr. →14180385→14028514	09.89-08.92	0 986 357 139	B 139	
					WW	0 986 357 227	B 227
			Mot.Nr. 14180386→Fg.Nr. NV999999;	09.89-08.92	0 986 357 233	B 233	
			Mot.Nr. 14180386→Fg.Nr. N1999999;				
			Mot.Nr. 14180386→Fg.Nr. N5999999				
Vectra B							
1.6	1,6	55	X 16 SZR <Ecotec>				
			Mot.Nr. →02HP7704	09.96-09.00	0 986 357 226	B 226	
			Mot.Nr. 02HP7705→	09.96-09.00	0 986 357 126	B 126	
			16 LZ2	09.95-07.00	0 986 357 242	B 242	
74			X 16 XEL <Ecotec>	11.96-07.02	0 986 356 778	B 778	
					WW	0 986 357 234	B 234
					TW	0 986 357 237	B 237
1.8	1,8	85	X 18 XE <Ecotec>	09.95-09.00			
2.0	2,0	82	20 NEJ				
			Mot.Nr. →14885919	09.95-02.02	0 986 357 126	B 126	
		100	C 20 SEL; X 20 XEV <Ecotec>	09.95-09.02	TW	0 986 357 237	B 237
2.2	2,2	106	C 22 SEL	06.00-09.02		0 986 357 237	B 237
2.5	2,5	125-143	X 25 XE <Ecotec>	09.95-09.00		0 986 357 162	B 162



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Vectra B

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OTOSAN

Taurus

1.6	1,6	52			01.89-01.99		
2.0	2,0	74			01.89-01.99		

PEUGEOT

Boxer

2.0	2,0	80-81	RFL <XU10J2>; RFW <XU10J2>		02.94-05.06		0 986 356 854	B 854
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J 5

1.8	1,8	49-51	169A,169B <XM7T>		01.84-12.93		0 986 356 795	B 795
2.0	2,0	55-63/72	170B <XN1T>; 170C <XN1TA>; 170D <XN1TACP KAT.>		01.84-12.93		0 986 356 795	B 795

Partner (M4,M5,B9)

1.1	1,1	44	HDY <TU1M+>; HDZ <TU1M+>		07.96-08.02	WW	0 986 357 240	B W240
1.4	1,4	51-52	K5A <TU3.2>		11.96-08.02		0 986 356 889	B 889
		55	KFX <TU3JP>		07.96-06.98	WW	0 986 357 240	B W240
1.8	1,8	66	LFX <XU7JB>		03.97-08.02		0 986 356 854	B 854

Ranch

1.4	1,4	55	KFX <TU3JP>		07.97-06.98	WW	0 986 357 240	B W240
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106 (S1,S2)

1.0	1,0	33	C1A,C1B <TU9>		09.91-04.96		0 986 356 889	B 889
		33/37	CDY <TU9M>; CDZ <TU9M>		07.92-05.05		0 986 356 830	B 830
						WW	0 986 357 240	B W240
1.1	1,1	40-44	HDY <TU1M+>; HDY <TU1M>; HDZ <TU1M+>		08.92-05.05		0 986 356 830	B 830
						WW	0 986 357 240	B W240
		40/44	H1A,H1B <TU1>; H3A <TU1>		09.91-05.05		0 986 356 889	B 889
		44	HDZ <TU1M>		09.91-06.92		0 986 356 889	B 889
						WW	0 986 357 251	B W251
					07.92-12.93		0 986 356 830	B 830
						WW	0 986 357 240	B W240
1.3	1,3	72-74	MFZ <TU2J2>		10.93-04.96		0 986 356 830	B 830
						WW	0 986 357 240	B W240
1.4	1,4	44/55	K2D <TU3.2>; K3A <TU3>; K5A <TU3.2>		09.91-05.05		0 986 356 889	B 889
		55	KDY <TU3M KAT.>		09.91-02.94		0 986 356 889	B 889
						WW	0 986 357 251	B W251
			KFX <TU3JP>		05.96-02.98		0 986 356 830	B 830
						GS,WW	0 986 357 240	B W240
		55-56	KDX <TU3FMC KAT.>; KDX <TU3MC KAT.>		12.92-04.96		0 986 356 830	B 830
						WW	0 986 357 240	B W240
		69	KFZ <TU3FJ KAT.>		09.91-04.96		0 986 356 830	B 830
						WW	0 986 357 240	B W240
		72	K6B <TU3FJ>		09.91-04.96		0 986 356 830	B 830
						WW	0 986 357 240	B W240
1.6	1,6	65-66/74-77/ 87-88	NFW <TU5J2>; NFX <TU5J4>; NFY <TU5J2>; NFZ <TU5JP>		06.93-05.05		0 986 356 830	B 830
						WW	0 986 357 240	B W240

205

1.0	1,0	33-37	CDZ,CDY <TU9M>; C1A,C1B <TU9>		10.87-09.98		0 986 356 889	B 889
						WW	0 986 357 251	B W251
1.1	1,1	44	HDZ, HDY <TU1M>		07.89-09.98		0 986 356 889	B 889
						WW	0 986 357 251	B W251
1.4	1,4	43/55	K2D <TU3.2>; K3A <TU3>		10.87-12.92		0 986 356 889	B 889
					01.93-12.94		0 986 356 830	B 830
						WW	0 986 357 240	B W240
		44-50/55-58	KDY <TU3FM Kat.(Gußmot.)>; KDY <TU3M Kat.>; K1D,K1F <TU3A>		10.87-09.98		0 986 356 889	B 889
						WW	0 986 357 251	B W251
1.6	1,6	53-58	B1E,B2A, B2B,B2C <XU51C>		11.90-09.98		0 986 356 794	B 794
		65	BDY <XU5M Kat.>		11.90-09.98		0 986 356 854	B 854
		83	B6E <XU5JA>		11.90-09.98	AG	0 986 356 820	B 820
1.9	1,9	75/88	DFY,DKZ <XU9JAZ Kat.>; DFZ <XU9J1 Kat.>		01.91-10.94		0 986 356 820	B 820
		90-94	D6B <XU9JA>		01.91-09.98		0 986 356 820	B 820



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OTOSAN

Taurus

0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120	0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120	0 986 356 098

PEUGEOT

Boxer

J 5

Partner (M4,M5,B9)

0 986 356 061

Ranch

106 (S1,S2)

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

205

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 063

0 986 356 057





◀ PEUGEOT

306 (N3,N5)							
1.1	1,1	40/44	HDY <TU1M+>; HDY <TU1M>; HDZ <TU1M+>; HDZ <TU1M>	01.93-04.97	WW	0 986 357 240	B W240
1.4	1,4	44/55	K2D <TU3.2>; K3A <TU3>; K5A <TU3.2>	01.93-10.03		0 986 356 889	B 889
		55	KDX <TU3MC>; KFX <TU3JP>	01.93-04.97		0 986 356 830	B 830
				01.93-06.98	WW	0 986 357 240	B W240
1.6	1,6	65-66	NFZ <TU5JP>	01.93-06.98	WW	0 986 357 240	B W240
				01.93-10.00		0 986 356 830	B 830
1.8	1,8	74-76/81	LFY <XU7JP4>; LFZ <XU7JP KAT.>; LFZ <XU7JP KAT.>; L6A <XU7JP>	01.93-10.03		0 986 356 854	B 854
2.0	2,0	89-90	RFX <XU10J2 KAT.>; R6D <XU10J2>	08.93-04.97		0 986 356 727	B 727
309							
1.1	1,1	40	E1A <E1>	01.89-12.91		0 986 356 749	B 749
		40-44	HDZ,HDY <TU1MZ Kat.>	10.90-12.93		0 986 356 889	B 889
					WW	0 986 357 251	B W251
			H1A,H1B <TU1>	07.89-12.93		0 986 356 889	B 889
1.3	1,3	47	1G1A <G1>	01.89-12.91		0 986 356 749	B 749
1.4	1,4	42-44/55/62	K2A,K2B <TU3S>; K2D <TU3F2>; K3A <TU3>	01.89-12.93		0 986 356 889	B 889
		51	K1D,K1F, K1G <TU3A>	01.89-12.93		0 986 356 889	B 889
					WW	0 986 357 251	B W251
		55-58	KDY <TU3FM Kat.(Gußmot.)>	06.91-12.93		0 986 356 889	B 889
					WW	0 986 357 251	B W251
			KDY <TU3M Kat.>	06.90-12.93		0 986 356 889	B 889
					WW	0 986 357 251	B W251
				12.93-12.93		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.6	1,6	65	BDY <XU5M Kat.>	01.91-12.93		0 986 356 854	B 854
			BDZ <XU5M Kat.>	07.89-03.91		0 986 356 794	B 794
		65/68/90	B2A,B2B, B2C <XU52C>; B5A <XU52C>; B6E <XU5JA>	07.88-12.93		0 986 356 820	B 820
		69	J2A <J2>	01.88-12.91		0 986 356 794	B 794
1.9	1,9	72	DFZ <XU9J1 Kat.>	10.86-12.93		0 986 357 128	B 128
		80	DDZ <XU9M Kat.>	01.90-12.93		0 986 356 820	B 820
			D2H,D2F <XU92C>	10.90-12.93		0 986 356 794	B 794
		88-90	DKZ,DFY <XU9JAZ Kat.>	12.89-12.93		0 986 356 820	B 820
		94	D6B <XU9JA>	12.89-12.93		0 986 356 820	B 820
		108	DFW <XU9J4/Z Kat.>	08.90-12.93		0 986 356 751	B 751
		116	D6C <XU9J4/K>	02.90-12.93		0 986 356 751	B 751
405							
1.8	1,8	74	<XU7JP>	10.99-10.04		0 986 356 854	B 854
405 (4,15)							
1.4	1,4	44/51/55	K1G <TU3A>; K2D <TU3F2>; K2D <TU3.2>; K3A <TU3TR>	11.87-04.97		0 986 356 889	B 889
		55	KDX <TU3MC Kat.>	06.92-04.97	WW	0 986 357 240	B W240
1.6	1,6	53	B1D,B1E <XU51C>	07.87-12.92	ZVD	0 986 357 128	B 128
					ZVS	0 986 356 794	B 794
		65	BDY <XU5M Kat.>	09.90-12.92		0 986 356 794	B 794
			BFZ <XU5JP>	09.94-04.97		0 986 356 854	B 854
			B5A <XU52C>	07.87-12.92		0 986 356 794	B 794
				06.92-04.97		0 986 356 854	B 854
		65-66	BDY <XU5M Kat.>	06.92-04.97		0 986 356 854	B 854
			B5A <XU52C>	06.92-04.97		0 986 356 854	B 854
		68	B2A, B2B, B2C <XU52C>	07.87-09.92		0 986 356 794	B 794
			B2A <XU52C>	06.92-04.97		0 986 356 854	B 854
1.8	1,8	74-76	LFZ <XU7JP Kat.>; L6A <XU7JP>	06.92-04.97		0 986 356 854	B 854
1.9	1,9	70/80/81	D2C <XU92C>; D2D <XU92C>; D2H <XU92C>	07.87-12.92	ZVD	0 986 357 128	B 128
					ZVS	0 986 356 794	B 794
		77	DFZ <XU9J1 Kat.>	07.87-12.92		0 986 357 128	B 128
		80	DDZ <XU9M Kat.>	07.88-06.91		0 986 356 803	B 803
		82	DFV <XU9J2 Kat.>	07.87-12.92		0 986 356 803	B 803
		88	DKZ,DFY <XU9JAZ Kat.>	07.88-12.92		0 986 356 803	B 803
		89	D6D <XU9J2>	06.92-04.97		0 986 356 727	B 727
		90-92	D6A <XU9J2>	07.87-12.92		0 986 356 803	B 803
			D6D <XU9J2>	07.87-06.91		0 986 356 803	B 803
		108-111	DFW <XU9J4Z Kat.>	04.88-12.92		0 986 356 751	B 751
1.9	1,9	116	D6C <XU9J4/K>	07.87-12.92		0 986 356 751	B 751
2.0	2,0	89-91	RFX <XU10J2 Kat.>; R6D <XU10J2>	06.92-04.97		0 986 356 727	B 727



1 2 3 4 5 6 7 8

306 (N3,N5)

0 986 356 061

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

309

0 986 356 061

0 986 356 061

0 986 356 061

0 986 356 061

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405

405 (4,15)

0 986 356 061

0 986 356 063

0 986 356 063

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0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

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0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132





◀ PEUGEOT

406 (D8,D9)							
1.6	1,6	65	BFZ <XU5JP>		10.95-06.04	0 986 356 854	B 854
1.8	1,8	66/74-76/ 81-82	LFX <XU7JB>; LFY <XU7JP4>; LFY <XU7JP4/L3>; L6A <XU7JP>		10.95-06.04	0 986 356 854	B 854
2.0	2,0	97	RFV <XU10J4R>		04.99-06.04	0 986 356 727	B 727
		97-99	RFV <XU10J4R>		10.95-03.99	0 986 356 727	B 727
		108-110	RGX <XU10J2TE>		04.96-03.99	0 986 356 727	B 727
505							
1.8	1,8	62	150C <XM7A>		10.85-12.93	0 986 356 795	B 795
2.0	2,0	60-71	106E <XN1>		05.79-12.93		
		72-74	106ER <XN1A>		10.85-12.93	0 986 356 795	B 795
2.2	2,2	84/90-96	851B,851Y <ZDJL>; 851X <ZDJL Kat.>		08.83-12.93		
605							
2.0	2,0	79	R5A <XU102C>		10.89-05.99	0 986 357 123	B 123
		79/89-90	RDZ <XU10M KAT.>; RFZ <XU10J2 KAT.>		01.91-06.94	0 986 356 727	B 727
		84	R2A <XU102C>		10.89-12.92	0 986 357 123	B 123
		94	R6A <XU10J2>		01.91-08.96	0 986 356 727	B 727
		104	RGY <XU10J2TE KAT.>		07.92-06.94	0 986 356 727	B 727
104-110	RGX <XU10J2TE KAT.>		07.94-05.99	0 986 356 727	B 727		
806							
2.0	2,0	89-90	RFU <XU10J2>		06.94-08.02	0 986 356 727	B 727

PLYMOUTH

Acclaim

3.0	3,0	104	EFA		01.89-08.95	0 986 356 714	B 714
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PORSCHE

944

2.5	2,5	184	M44.52		09.87-07.91	0 986 356 377	B 377
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RENAULT

Clio I

1.1	1,1	35-36	C1E 700		06.90-03.96	ZMB	0 986 357 117	B 117
1.2	1,2	40	C3G 700,720		09.95-03.96			
		40-41/44	E7F 706 Kat.; E7F 708; E7F 708 Kat.; E7F 750 Kat.		06.90-02.98	ZMS	0 986 356 798	B 798
						WW,ZVS	0 986 357 250	B W250
						ZVS	0 986 356 888	B 888
		40-44	D7F 730		04.96-02.98	WW,ZVS	0 986 357 250	B W250
				ZMB	0 986 357 117	B 117		
				ZVM	0 986 357 253	B W253		
				ZVS	0 986 356 888	B 888		
			E5F 710; E5F 716; E7F 700 Kat.; E7F 704 Kat.		06.90-02.98	WW,ZVS	0 986 357 250	B W250
						ZMB	0 986 357 117	B 117
						ZVS	0 986 356 888	B 888
1.4	1,4	55-57	E6J 712,713; E6J 718; E6J 760		06.90-02.98	WW,ZVS	0 986 357 250	B W250
						ZVS	0 986 356 888	B 888
		55-59	E7J 601 Kat.; E7J 710,711 Kat.; E7J 716 Kat.; E7J 718,719 Kat.; E7J 756,757 Kat.		04.90-02.98		0 986 357 250	B W250
1.7	1,7	66-68	F2N 770		06.90-03.96		0 986 356 883	B 883
1.8	1,8	65-70/79-81	F3P 710 Kat.; F3P 712 Kat.; F3P 714 Kat.; F3P 744,745 Kat.; F3P 745 Kat.; F3P 748; F3P 754,755 Kat.; F3P 755 Kat.; F3P 758; F3P 758 Kat.		06.90-02.98		0 986 356 883	B 883
Clio II								
1.0	1,0	43	D7D 760		03.99-11.04			
1.2	1,2	43	D7F 720		03.98-09.99		0 986 357 253	B W253
					03.98-10.07			
			D7F 722; D7F 744; D7F 746; D7F 764; D7F 726; D7F 766		03.98→			



1 2 3 4 5 6 7 8

406 (D8,D9)

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132
 0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132
 0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

505

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 025
 0 986 356 019 0 986 356 021 0 986 356 025 0 986 356 025

0 986 356 044

0 986 356 042

605

0 986 356 058

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132
 0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132
 0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 058

806

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

PLYMOUTH

Acclaim

0 986 356 004 0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 008 0 986 356 010

0 986 356 042

PORSCHE

944

RENAULT

Clio I

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019
 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 046

0 986 356 035

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

0 986 356 062

0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270
 0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149
 0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

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0 986 356 061 0 986 356 062 0 986 356 062 0 986 356 063
 0 986 356 061 0 986 356 062 0 986 356 062 0 986 356 063

0 986 356 062

0 986 356 061

Clio II

0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270
 0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270
 0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270





◀ RENAULT

1.4	1,4	55	E7J 634; E7J 635 E7J 780	03.99-10.07 03.98-10.07		0 986 357 256 0 986 357 184 0 986 357 255	B W256 B 184 B W255
			K7J 700	10.00-03.05	WW	0 986 357 256	B W256
1.6	1,6	66	K4M 746 K7M 744; K7M 745	10.99-10.07 03.98-10.07		0 986 357 256 0 986 357 184 0 986 357 255	B W256 B 184 B W255
Clio III (BR/CR/KR)							
1.2	1,1	74	D4F 78...	08.07→			
Espace II							
2.0	2,0	77	J7R 768	01.91-09.96		0 986 356 704	B 704
2.2	2,2	79-81	J7T 772 J7T 772,773; J7T 776	01.91-09.96 01.91-09.96		0 986 356 704	B 704
2.9	2,9	110-113	Z7W 712,713 Z7W 717	01.91-12.95 04.94-09.96		0 986 356 964 0 986 356 964	B 964 B 964
Espace III							
2.0	2,0	83,5	F3R 728; F3R 729; F3R 768; F3R 769	10.96-03.97 04.97-10.02	ZMS ZMM	0 986 357 210 0 986 356 967	B 210 B 967
3.0	3,0	123	Z7X 775	10.96-10.02		0 986 357 187	B 187
Express, Extra, Rapid							
1.0	1,0	27-30	C1C 706,700	03.86-08.91	ZMB	0 986 357 117	B 117
1.1	1,1	33/34/36	C1E 754; C1E 756; C1E 760; C1E 762; C1E 764; C1E 792	03.86-10.97	ZMB	0 986 357 117	B 117
1.2	1,2	40	C3G 700,710	09.91-10.97			
					ZMS	0 986 356 798	B 798
1.4	1,4	43	E6J 734,712; E6J 738,712	09.91-09.97	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888
		43/44	C1J 768,715; C1J 780; C2J 782,784; C3J 702 Kat.; C3J 760 Kat.	03.86-09.97			
					ZMB	0 986 357 117	B 117
					ZMS	0 986 356 798	B 798
		44	C3J 762 Kat.	09.91-03.97	WW,ZVS	0 986 357 250	B W250
					ZMB	0 986 357 117	B 117
					ZVS	0 986 356 888	B 888
		55-59	E7J 720 Kat.; E7J 724,710 Kat.; E7J 726,710 Kat.; E7J 728,754 Kat.	09.91-10.97		0 986 357 250	B W250
Kangoo I							
1.0	1,0	43	D7D 700; D7D 760	09.98-12.07			
1.2	1,2	44	D7F 710; D7F 720; D7F 722; D7F 726; D7F 744; D7F 746; D7F 764; D7F 766	10.97-12.07			
1.4	1,4	55	E7J 634; E7J 635 E7J 780	09.98-12.07 10.97-12.07		0 986 357 256 0 986 357 184 0 986 357 255	B W256 B 184 B W255
			K7J 700; K7J 701	06.00-03.05	WW	0 986 357 256	B W256
1.6	1,6	66	K7M 746	09.99-12.07		0 986 357 256	B W256
Laguna I							
1.8	1,8	66-70	F3P 670; F3P 674 F3P 676 F3P 678; F3P 720; F3P 724	09.95-03.97 04.97-03.01 05.98-02.01 01.94-03.01	ZMS ZMM ZMM	0 986 357 210 0 986 356 967 0 986 356 967 0 986 356 715	B 210 B 967 B 967 B 715
					WW	0 986 357 230	B 230
2.0	2,0	83-85	F3R 611 F3R 722; F3R 723 F3R 728; F3R 729; F3R 768; F3R 769	05.98-02.01 01.94-02.01 09.95-03.97 04.97-02.01	ZMM WW ZMS ZMM	0 986 356 967 0 986 356 715 0 986 357 210 0 986 356 967	B 967 B 715 B 210 B 967
		102	N7Q 700; N7Q 704	09.95-02.01		0 986 356 817	B 817
					WW	0 986 357 238	B W238
3.0	3,0	123-125	Z7X 760; Z7X 765; Z7X 767	01.94-02.01		0 986 357 187	B 187
Logan							
1.4	1,4	55	K7J 710	07.04→		0 986 357 256	B W256
1.6	1,6	64	K7M 710	07.04→		0 986 357 256	B W256
Master							
P28	2,0	63	J5R 718,728	10.86-09.97		0 986 357 216	B 216
T28	2,0	57-59	J5R 718	10.86-09.97		0 986 357 216	B 216





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Clio III (BR/CR/KR)

0 986 356 062

Espace II

0 986 356 034

0 986 356 002 0 986 356 002 0 986 356 006 0 986 356 006

0 986 356 035

0 986 356 034

Espace III

Express, Extra, Rapid

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 035

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 046

0 986 356 035

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062

0 986 356 062

Kangoo I

0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270

0 986 356 273 0 986 356 272 0 986 356 271 0 986 356 270

Laguna I

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055

Logan

Master

0 986 356 044

0 986 356 044





◀ RENAULT

Megane I								
1.4	1,4	51-52	E7J 624	01.96-02.99		0 986 357 250	B W250	
		51-55	E7J 626	02.99-09.03		0 986 357 256	B W256	
		55	E7J 764	01.96-09.03		0 986 357 250	B W250	
1.6	1,6	55	K7M 720	01.96-02.97		0 986 357 252	B W 252	
				03.97-06.98		0 986 357 184	B 184	
				07.98-09.03		0 986 357 256	B W256	
		66	K7M 702; K7M 703	01.96-02.97		0 986 357 252	B W 252	
				03.97-06.98		0 986 357 184	B 184	
					WW	0 986 357 255	B W255	
				07.98-09.03		0 986 357 256	B W256	
				K7M 790	01.96-02.99		0 986 357 252	B W 252
		66/79	K7M 704	10.99-09.03		0 986 357 256	B W256	
2.0	2,0	83-84	F3R 750	01.96-03.97	ZMS	0 986 357 210	B 210	
				04.97-02.99	ZMM	0 986 356 967	B 967	
				01.96-03.97	ZMS	0 986 357 210	B 210	
		83/84	F3R 751	09.96-09.03	ZMM	0 986 356 967	B 967	
				09.96-03.97	ZMS	0 986 357 210	B 210	
				04.97-09.03	ZMM	0 986 356 967	B 967	
		84	F3R 751	09.96-03.97	ZMS	0 986 357 210	B 210	
				04.97-02.99	ZMM	0 986 356 967	B 967	
				F3R 752	09.96-03.97	ZMS	0 986 357 210	B 210
R 4								
0.8	0,8	21,5	B1B 707; 800 705	10.82-12.93		0 986 357 137	B 137	
1.0	1,0	25	C1C 708	10.86-12.93	ZMB	0 986 357 117	B 117	
1.1	1,1	25	C1E 714	10.82-12.93		0 986 357 137	B 137	
			C1E 719	10.84-12.93		0 986 357 137	B 137	
			688 712	10.82-12.93		0 986 357 137	B 137	
R 4 (F4/F6)								
0.8	0,8	21,5	B1B 707	10.82-12.93		0 986 357 137	B 137	
1.1	1,1	25	C1E 714	10.76-12.93				
			C1E 718 <R2370>	10.76-12.93				
			C1E 718 <R210B;R293B>	10.83-12.93				
			C1E 719	10.83-12.93				
R 5								
1.0	1,0	30	C1C 700	10.84-12.96	ZMB	0 986 357 117	B 117	
1.1	1,1	33	C1E 750	10.84-12.96	ZMB	0 986 357 117	B 117	
			C1E 760	08.90-12.96				
					ZMB	0 986 357 117	B 117	
1.2	1,2	40	C1G 702,730; C1G 720; C1G 722	10.84-12.96	ZMB	0 986 357 117	B 117	
1.4	1,4	43	C1J 768,715	10.84-12.96	ZMS	0 986 356 798	B 798	
		44	C2J 784	06.87-12.96				
				ZMS	0 986 356 798	B 798		
		44/49	C2J 788; C3J 760 Kat.	10.84-12.96	ZMS	0 986 356 798	B 798	
		49/50	C2J 700; C2J 718,781; C2J 766; C2J 767,789; C2J 782	10.84-12.96	ZMS	0 986 356 798	B 798	
		77/88	C1J 784; C1J 788	10.84-12.96	ZMB	0 986 357 117	B 117	
1.7	1,7	55/66/69	F2N 710,740; F2N 742; F3N 702,722 Kat.; F3N 716,718 Kat.; F3N 717 Kat.	10.86-12.96		0 986 356 822	B 822	
R 9								
1.2	1,2	40	C1G 710	09.86-03.91	ZMB	0 986 357 117	B 117	
1.4	1,4	44/50-53	C1J 798; C2J 717	01.85-12.95	ZMB	0 986 357 117	B 117	
		49-50/53	C2J 797; C2L 720	01.85-12.95	ZMB	0 986 357 117	B 117	
		49/53	C2J 730; C2J 766,767; C2J 768; C2J 792; C2J 794	09.81-03.91				
				ZMB	0 986 357 117	B 117		
				ZMS				
		50-53	C2J 717,718	09.81-03.91	ZMS			
		53	C2J 796	01.85-12.95	ZMB	0 986 357 117	B 117	
				C2J 796,797	09.81-03.91			
				ZMB	0 986 357 117	B 117		
				ZMS				
77/85	C1J 760; C1J 764; C1J 770,782	09.84-03.91						
		ZMS						





1 2 3 4 5 6 7 8

Megane I

0 986 356 062

0 986 356 062

R 4

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 019 0 986 356 044

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

R 4 (F4/F6)

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 021 0 986 356 042

0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 019 0 986 356 040

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R 5

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0 986 356 061 0 986 356 062 0 986 356 062 0 986 356 063 0 986 356 149

R 9

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 044

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 046

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◀RENAULT

1.7	1,7	54/64/65/69	F2N 708,710; F2N 730,712; F2N 732,742; F3N 708,722 Kat.; F3N 718 Kat.	09.84-03.91		0 986 356 744	B 744
R 11							
1.1	1,1	35	C1E 715; C1E 720	03.83-03.91	ZMB	0 986 357 117	B 117
1.2	1,2	40	C1G 710	06.86-03.91	ZMB	0 986 357 117	B 117
1.4	1,4	43	C3J 700 Kat.	06.87-03.91			
					ZMB	0 986 357 117	B 117
					ZMS		
		44/46/49	C2J 717,718; C2J 720; C2J 730; C2J 766; C2J 767; C2J 768; C2J 794	03.83-03.91			
					ZMB	0 986 357 117	B 117
					ZMS		
		49-50	C2L 720	01.93-03.95	ZMB	0 986 357 117	B 117
		50-53	C2J 717	01.85-03.95	ZMB	0 986 357 117	B 117
		77	C1J 764	09.83-03.91			
					ZMS		
		85	C1J 770,782	06.85-03.91	ZMS		
1.7	1,7	54/64/65	F2N 708,710; F2N 730,712; F2N 732,742; F2N 798	10.86-03.91		0 986 356 744	B 744
R 19							
1.2	1,2	40	C1G 730	09.88-12.01	ZMB	0 986 357 117	B 117
		46	E7F 730 Kat.	05.92-12.01	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888
1.4	1,4	40-44/50	C1J 742; C2J 772; C2J 776; C3J 710 Kat.	09.88-12.01	ZMB	0 986 357 117	B 117
		55-59	E7J 700 Kat.; E7J 706 Kat.; E7J 742 Kat.; E7J 745 Kat.	05.90-12.01		0 986 357 250	B W250
		58-59	E6J 700; E6J 701; E6J 706	09.88-12.01	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888
1.6	1,6	61	C3L; F3P	01.93-05.00	ZMS	0 986 356 798	B 798
1.7	1,7	54/55-56/68	F2N 720; F2N 721; F2N 724; F2N 726; F2N 727; F3N 740 Kat.; F3N 741 Kat.	09.88-12.95		0 986 357 254	B W254
		66-70	F3N 742 Kat.; F3N 743 Kat.	09.88-12.95		0 986 356 822	B 822
						0 986 357 254	B W254
			F3N 746	06.89-12.95		0 986 357 254	B W254
1.8	1,8	65-66/79-83	F3P 682 Kat.; F3P 700 Kat.; F3P 704 Kat.; F3P 705 Kat.; F3P 706 Kat.; F3P 707 Kat.; F3P 708 Kat.; F3P 760 Kat.; F3P 764 Kat.; F3P 765 Kat.	05.92-12.95		0 986 356 883	B 883
		99-101/103	F7P 700; F7P 704 Kat.	06.89-12.95		0 986 357 243	B W243
R 21 (B48,K48,L48)							
1.7	1,7	53-56	F2N 712	06.86-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
				09.89-03.93		0 986 356 780	B 780
		54	F3N 726,718,740 Kat.	09.89-12.93		0 986 356 822	B 822
				01.91-12.95		0 986 356 780	B 780
			F3N 726,740,718 Kat.	01.91-12.94		0 986 356 780	B 780
		54-60	F2N 758,720	06.90-12.95		0 986 356 780	B 780
			F2N 786	06.90-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
		54/64	F2N 750,712; F2N 752,742	03.86-12.94		0 986 356 780	B 780
		55	F2N 711,720	09.89-03.93		0 986 356 780	B 780
			F2N 754,720	09.89-03.93		0 986 356 780	B 780
		55-56	F2N 716,712	03.86-03.93		0 986 357 254	B W254
					WW	0 986 356 743	B 743
		56	F2N 716	09.89-12.91		0 986 356 780	B 780
		65	F2N 754,711,720	02.88-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 754,720,711	01.89-03.93		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 758,720	06.90-12.94		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 783	03.86-03.92		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 786	06.90-12.94		0 986 356 780	B 780
		66-70	F3N 722,723 Kat.	09.89-12.95		0 986 356 780	B 780
		68-70	F2N 710	06.86-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743





1	2	3	4	5	6	7	8
0 986 356 055	0 986 356 056	0 986 356 056	0 986 356 057				
							R 11
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 046
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 046
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 046
							0 986 356 013
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 044
							0 986 356 013
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 013
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 013
0 986 356 055	0 986 356 056	0 986 356 056	0 986 356 057				
							R 19
							0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149				0 986 356 062
							0 986 356 062
							0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149				0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 062	0 986 356 063				0 986 356 149
0 986 356 061	0 986 356 062	0 986 356 062	0 986 356 063				0 986 356 062
							R 21 (B48,K48,L48)
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 149
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064				0 986 356 064





◀ RENAULT

2.0	2,0	66	F2R 702	03.86-03.92 06.86-12.91		0 986 356 704 0 986 357 254	B 704 B W254
					WW	0 986 356 743	B 743
		75/76	J6R 758; J6R 759; J6R 792; J6R 792,793; J6R 793	03.86-12.95		0 986 356 704	B 704
		85-88/ 119-129	J7R 746,747 Kat.; J7R 750,751; J7R 752	10.86-12.95		0 986 356 704	B 704
		99-100	J7R 740 Kat.	05.89-12.95		0 986 356 743	B 743
		119-121	J7R 756 Kat.	05.89-03.93		0 986 356 743	B 743
2.2	2,2	79-81/85	J6T 790,791; J7T 754,755 Kat.; J7T 756 Kat.	03.86-12.95		0 986 356 704	B 704
R 25							
2.0	2,0	74	J6R 706,707; J6R 760,762,763	01.84-12.92		0 986 356 704	B 704
		88	J7R 722,723	06.87-12.92		0 986 356 704	B 704
		99-100	J7R 726 Kat.	06.89-12.92		0 986 356 743	B 743
		103	J7R 720,721	10.88-12.92		0 986 356 743	B 743
2.2	2,2	79-81	J7T 732,733 Kat.	10.86-12.92		0 986 356 704	B 704
2.9	2,9	110-112/115	Z7W 700; Z7W 701; Z7W 706,707 Kat.; Z7W 709	06.87-12.92		0 986 356 965	B 965
Safrane							
2.0	2,0	77/97-99	J7R 732,733; J7R 734,735; J7R 738,739	04.92-09.96		0 986 356 740	B 740
		100	N7Q 710; N7Q 711	10.96-12.00		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.2	2,2	79-81/101-104	J7T 760,761; J7T 762,763; J7T 766,767	04.92-09.96		0 986 356 740	B 740
2.5	2,5	121	N7U 700; N7U 701	10.96-12.00		0 986 357 232	B W232
3.0	3,0	123-125/ 190-197	Z7X 721; Z7X 722,723; Z7X 726; Z7X 753; Z7X 755	04.92-12.00		0 986 357 170	B 170
Sandero							
1.4	1,4	55	K7J 71...	12.09→		0 986 357 256	B W256
1.6	1,6	62/64	K7M 7...; K7M 8...	12.09→		0 986 357 256	B W256
Scenic I / Megane Scenic (JA)							
1.4	1,4	55	E7J 764	11.96-04.03		0 986 357 250	B W250
1.6	1,6	55	K7M 720	11.96-02.97 03.97-06.98 07.98-04.03		0 986 357 252 0 986 357 184 0 986 357 256	B W 252 B 184 B W256
		66	K7M 702; K7M 703	01.96-02.97 03.97-06.98		0 986 357 252 0 986 357 184	B W 252 B 184
					WW	0 986 357 255	B W255
						0 986 357 256	B W256
2.0	2,0	83-84	F3R 750; F3R 751	11.96-03.97	ZMS	0 986 357 210	B 210
		84	F3R 791	11.96-04.03	ZMM	0 986 356 967	B 967
			F3R 796; F3R 797; F3R 798	11.96-03.97	ZMS	0 986 357 210	B 210
				04.97-04.03	ZMM	0 986 356 967	B 967
Thalia							
1.2	1,2	43	D7F 726	06.01-10.07			
1.4	1,4	55	K7J 700	10.99-03.05		0 986 357 256	B W256
1.6	1,6	66	K4M 746	10.99-10.07		0 986 357 256	B W256
Trafic							
1.4	1,4	36	847 700 <C1J 700>	09.80-10.97	ZMB	0 986 357 117	B 117
1.7	1,7	50/58	F1N 722,720; F1N 724; F1N 724,720	10.84-10.97		0 986 357 254	B W254
					WW	0 986 356 743	B 743
2.0	2,0	59	J5R 716; J5R 726	09.80-10.97		0 986 357 216	B 216
Twingo I							
1.0	1,0	43	D7D 740	01.00-05.07			
1.2	1,2	40	C3G 700; C3G 702	03.93-08.97			
					ZMS	0 986 356 798	B 798
		40-44	D7F 700; D7F 701; D7F 702	09.96-05.07		0 986 357 253	B W253
		43	D7F 703; D7F 703 EOBD; D7F 704	01.96-05.07			
			D7F 706	09.98-05.07		0 986 357 253	B W253
			D7F 708	02.01-05.07			
Twingo II							
1.2	1,2	43	D7F 800	04.07→			



1	2	3	4	5	6	7	8	
								0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064					0 986 356 034
								0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064					0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064					0 986 356 034
								R 25
								0 986 356 034
								0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064					0 986 356 034
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064					0 986 356 034
								Safrane
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055					
								Sandero
								Scenic I / Megane Scenic (JA)
								0 986 356 062
								Thalia
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
								Trafic
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019					0 986 356 046
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064					0 986 356 044
								Twingo I
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019					0 986 356 035
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
								Twingo II
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					





ROVER

Maestro									
1.3	1,3	49-51	A-Plus		09.88-12.93				
1.6	1,6	61-63/72	<S-Series>; 16 H <S-Series>		09.88-12.93				
2.0	2,0	83	20 H- EFI <O-Series>		09.88-12.93				
Mini									
1.0	1,0	29-33	A-Plus		09.88-12.92			0 986 356 844	B 844
1.3	1,3	39-46	<MPI>		10.96-09.00	PSM		0 986 357 209	B 209
			<SPi>		02.91-09.00	PSM		0 986 356 844	B 844
								0 986 356 844	B 844
Mini Cooper									
1.3	1,3	39-46/59	; <MPI>; 12 HL <MPI>		09.94-09.00	PSM		0 986 357 209	B 209
						PSM		0 986 356 844	B 844
Mini De Ville									
1.3	1,3	59			09.94-09.96	PSM		0 986 357 209	B 209
						PSM		0 986 356 844	B 844
Mini Margrave									
1.4	1,4	77			09.95-09.00			0 986 356 844	B 844
Mini Retro Rally									
1.3	1,3	60			09.94-09.96	PSM		0 986 357 209	B 209
						PSM		0 986 356 844	B 844
Montego									
1.6	1,6	61-63	16HL <S-Serie>		09.88-12.93				
2.0	2,0	77	<O-Serie>		09.88-12.93				
		83	20 H		09.88-12.93				
Serie 200									
211	1,1	44-45	11K2D <K-Serie>		11.95-03.00			0 986 357 153	B 153
214	1,4	55	14K2A <K8-SOHC>		01.93-02.96			0 986 357 152	B 152
			14K2F <K-Serie>		10.95-03.00			0 986 357 153	B 153
		55-56	<K8-SOHC>		10.89-12.92				
		66-70	14K4C		10.89-09.93			0 986 356 748	B 748
		76	K16		10.92-03.96			0 986 356 748	B 748
			14K4F <K-Serie>		10.95-03.00			0 986 357 153	B 153
								0 986 357 154	B 154
216	1,6	82	16K4F <K-Serie>		10.95-03.00			0 986 357 153	B 153
					03.96-03.00			0 986 357 154	B 154
		82-85	D16...		10.89-02.96			0 986 356 721	B 721
		90	D16A8 <ZC-DOHC Twin Cam>		01.92-02.96			0 986 356 867	B 867
			D16Z2 <D 16 Honda, PGM 16V>		10.89-02.96			0 986 356 721	B 721
		90-96	D16...		09.90-02.96			0 986 356 867	B 867
218	1,8		18 K4F <K-Serie>		09.95-03.00			0 986 356 731	B 731
		107	<K-Serie-VVC>		03.96-03.00			0 986 357 160	B 160
			18K4K -VVC- <K-Serie>		09.95-03.00			0 986 357 154	B 154
								0 986 357 160	B 160
220	2,0	100	T16		10.92-02.96			0 986 356 807	B 807
						WW		0 986 357 236	B 236
		103	T16		09.91-10.92			0 986 356 867	B 867
					10.92-02.96			0 986 356 807	B 807
						WW		0 986 357 236	B 236
		147	20T4G		01.93-02.96			0 986 357 217	B 217
Serie 400									
414	1,4	66-70	14K4C		04.90-10.92			0 986 356 748	B 748
		76	K14K4F		01.93-02.96			0 986 356 748	B 748
			14 K4F <K-Serie>		05.95-03.00			0 986 356 731	B 731
416	1,6	82	K16 <K-Serie>		05.95-03.00			0 986 356 731	B 731
		82/83	D16B2/D16Y3; <D16Y3-SOHC>		05.95-03.00			0 986 356 731	B 731
		82-85	D16... <Honda-PGM-FID/6A>		04.90-02.96			0 986 356 721	B 721
			D16Z2 <Honda-PGM-FID/6A>		04.90-02.96			0 986 356 721	B 721
		90-96	16V ZC		04.90-02.96			0 986 356 867	B 867
418	1,8	107	<DOHC-VVC->		03.96-12.98			0 986 357 160	B 160





1 2 3 4 5 6 7 8

ROVER

Maestro

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 042
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 044
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 044

Mini

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040

Mini Cooper

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
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Mini De Ville

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
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Mini Margrave

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
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Mini Retro Rally

0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 040
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Montego

0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 044
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 044
0 986 356 035	0 986 356 034	0 986 356 033	0 986 356 032	0 986 356 040

Serie 200

0 986 356 006	0 986 356 006	0 986 356 002	0 986 356 002	0 986 356 049
0 986 356 004	0 986 356 004	0 986 356 008	0 986 356 008	0 986 356 049
0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108	
0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108	

0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171

0 986 356 002	0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 042
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0 986 356 002	0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 042
---------------	---------------	---------------	---------------	---------------

Serie 400

0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108
0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108

0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171





◀ ROVER

420	2,0	100	20T 4H <T-Serie>	10.95-03.00		0 986 357 213	B 213	
		103	T16 <DOHC-16V>	02.92-10.92		0 986 356 867	B 867	
				02.92-02.96		0 986 356 807	B 807	
		147	20 T4G	01.93-02.96	WW	0 986 357 236	B 236	
						0 986 357 217	B 217	
Serie 600								
618	1,8	85	F18 A3 <SOHC>	03.96-06.99		0 986 356 776	B 776	
620	2,0	85/96/100	F-20-Z1; F-20-Z2 H; <T-Serie>	04.93-09.00		0 986 356 776	B 776	
		147	T16-Turbo	04.93-12.98		0 986 356 763	B 763	
						0 986 357 213	B 213	
623	2,3	116	H23A2	04.93-06.99		0 986 356 776	B 776	
Serie 800								
820	2,0	98	20H <M16i KAT.>	10.88-10.91				
		100		01.96-09.99	TW	0 986 356 806	B 806	
		100-103	20T4H	01.92-01.96	TW	0 986 356 806	B 806	
		132-147	20 T4G	01.92-12.95	CSA	0 986 357 212	B 212	
825	2,5	129	25K4F <KV 6 KAT.>	01.96-12.98		0 986 357 155	B 155	
827	2,7	124/130	C27A V6; C27A V6 <KAT.>	02.88-10.91		0 986 356 891	B 891	
25								
1.4	1,4	62/76	14 K4F <K-Serie K 1.4>; 14 K4M <K-Serie K 1.4>	02.00-05.05		0 986 356 731	B 731	
						0 986 357 154	B 154	
1.6	1,6	80	16 K4F <K-Serie K 1.6>	02.00-05.05		0 986 356 731	B 731	
						0 986 357 154	B 154	
1.8	1,8	86	18 K4F <K-Serie>	02.00-10.04		0 986 357 154	B 154	
			107	18 K4K-VVC <K-Serie>	02.00-10.04		0 986 357 154	B 154
						0 986 357 160	B 160	
45								
1.4	1,4	76	14 K4F <K-Serie K 1.4>	02.00-05.05		0 986 357 154	B 154	
1.6	1,6	80	16 K4F <K-Serie K 1.6>	02.00-05.05		0 986 357 154	B 154	
1.8	1,8	86	18 K4F <K-Serie K 1.8>	02.00-05.05		0 986 357 154	B 154	
75								
1.8	1,8	88/110	K 1.8T; K 1.8/18K4F	01.99-05.05		0 986 357 154	B 154	
100 Metro								
1.1	1,1	44	11K2D <K-Serie>	05.90-02.95		0 986 356 772	B 772	
				09.90-12.98		0 986 356 772	B 772	
1.4	1,4	55	<K-Serie>	09.90-03.98		0 986 356 772	B 772	
			55-56	14K2A <K-Serie>	05.90-10.92		0 986 356 772	B 772
			66-70	14K 4D/14K4C <K-Serie>	05.90-12.92		0 986 356 748	B 748
			76	14K4F <K-Serie>	09.90-10.95		0 986 356 748	B 748

SAAB (SAAB AUTOMOBILE AB)

9-3								
2.0	2,0	96/110/113/136/147/151	B204E; B204I; B204L; B204R; B205E; B205E <(Ecopower)>; B205L; B205R <Ecopower DOHC>; B205R <Turbo>	03.98-08.00		0 986 357 161	B 161	
2.3	2,3	110/125/165/169	B234I; B235R	03.98-08.00		0 986 357 161	B 161	
900								
2.0	2,0	81/92-98	B 201 I Kat.; B 202 I	09.85-08.93		0 986 356 720	B 720	
				B 202 I Kat.	09.85-08.92		0 986 357 161	B 161
				B 202 I Kat.	09.89-08.93		0 986 356 720	B 720
				B 204 I Kat.; B 204 L Kat.; B 206 I Kat.	09.93-08.98		0 986 357 161	B 161
				B 202 S Kat.	09.91-08.93		0 986 356 720	B 720
				B 202 L	08.84-08.93		0 986 356 720	B 720
2.3	2,3	110	B 234 I Kat.	09.93-08.98		0 986 357 161	B 161	
2.5	2,5	125	B 258 I; B 258 I <KAT>; B 258 I Kat.	09.93-10.98		0 986 357 162	B 162	
9000								
2.0	2,0	90-96/108/118-121/129-136	B 202 I; B 202 I <Kat>; B 202 L <Turbo>; B 202 L <Turbo- Katalysator>; B 202 S <Turbo- Katalysator>	12.85-08.93		0 986 357 161	B 161	
2.3	2,3	107-114/143/147/165	B 234 I; B 234 I <Kat>; B 234 L <Kat>; B 234 L <Turbo- Katalysator>; B 234 R <Turbo- Katalysator>	09.89-12.98		0 986 357 161	B 161	
3.0	3,0	155	B 308 I <Kat>	09.94-12.98		0 986 357 162	B 162	



1 2 3 4 5 6 7 8

0 986 356 002 0 986 356 004 0 986 356 004 0 986 356 006 0 986 356 042

Serie 600

0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171
 0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171

0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171

Serie 800

0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 042

25

45

75

100 Metro

0 986 356 006 0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 042
 0 986 356 006 0 986 356 006 0 986 356 002 0 986 356 002 0 986 356 042
 0 986 356 006 0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 042
 0 986 356 006 0 986 356 006 0 986 356 004 0 986 356 004 0 986 356 042
 0 986 356 139 0 986 356 109 0 986 356 108 0 986 356 108 0 986 356 098
 0 986 356 139 0 986 356 109 0 986 356 108 0 986 356 108 0 986 356 098

SAAB (SAAB AUTOMOBILE AB)

9-3

900

0 986 356 040

0 986 356 040

0 986 356 040

0 986 356 040

9000





SANTANA

Land Rover							
88	2,3	51	4GT		01.84-12.94	0 986 356 759	B 759
109	2,3	51	4GT		06.82-12.94	0 986 356 759	B 759
	3,4	77			05.81-12.91	0 986 356 759	B 759

SEAT

Alhambra							
2.0	2,0	85	ADY		03.96-02.00	0 986 356 350	B 350
			ATM		06.00-03.10	0 986 356 331	B 331

Altea							
1.6	1,6	72-75	BGU; BSE <T53>; BSF <T53>; CCSA <T53>; CHGA <T53>		03.04→	0 986 356 346	B 346

Altea XL							
1.6	1,6	72-75	BSE <T53>; BSF <T53>; CCSA <T53>; CHGA <T53>		10.06→	0 986 356 346	B 346

Arosa							
1.0	1,0	37	AER		02.97-09.99	0 986 356 343	B 343
			ALD		01.99-07.00	0 986 356 341	B 341
			ALL		10.97-05.99	0 986 356 343	B 343
			ANV		01.99-07.00	0 986 356 341	B 341
			AUC		05.00-06.04	0 986 356 312	B 312
1.4	1,4	44	AEX		02.97-11.97	0 986 356 343	B 343
			AKV		05.97-09.99	0 986 356 343	B 343
			ANW		01.99-10.00	0 986 356 341	B 341
			APQ		12.97-08.98	0 986 356 343	B 343
			AUD		01.99-06.04	0 986 356 312	B 312
		74	AFK		01.99-09.00	0 986 356 308	B 308
			AQQ; AUB		05.99-06.04	0 986 356 308	B 308

Cordoba							
1.0	1,0	37	AER		09.96-06.99	0 986 356 343	B 343
			ALD; ANV; AUC		05.99-12.02	0 986 356 312	B 312

1.4	1,4	44	ABD		09.93-12.95	0 986 356 358	B 358			
			AEX		01.96-12.97	0 986 356 343	B 343			
			AKK		05.99-12.02	0 986 356 312	B 312			
			AKV		09.97-12.02	0 986 356 343	B 343			
			ANW		05.99-08.00	0 986 356 312	B 312			
			ANX		01.98-05.98	0 986 356 343	B 343			
			APQ		12.97-12.02	0 986 356 343	B 343			
			AUD		06.00-12.02	0 986 356 312	B 312			
			55	APE		05.99-06.00	0 986 356 308	B 308		
			55/74	AQQ; AUA; AUB		09.99-08.03	0 986 356 308	B 308		
			74	AFH		07.96-12.02	0 986 356 309	B 309		
			1.6	1,6	55	ABU		09.93-07.94	0 986 356 358	B 358
						AEE		03.97-12.98	0 986 356 343	B 343
ALM		09.97-12.02				0 986 356 343	B 343			
1F		05.94-06.99				0 986 356 338	B 338			
74	AEH					05.99-12.02	0 986 356 359	B 359		
AFT		12.95-11.02								
AKL		05.99-12.02			0 986 356 359	B 359				
APF		09.99-10.00			0 986 356 359	B 359				
AUR		05.00-10.01			0 986 356 359	B 359				
					11.01-12.02					
1.8	1,8	66			ABS		09.93-07.94	0 986 356 342	B 342	
					ADZ		07.94-12.02	0 986 356 339	B 339	

2.0	2,0	85	AGG		04.96-12.02	0 986 356 342	B 342
			AZL; BBX		09.02-11.09	0 986 356 331	B 331
			2E		09.93-04.96	0 986 356 342	B 342

Exeo							
1.6	1,6	75	ALZ <MW6>		03.09-09.10		
1.8	1,8	110	CFMA <MW8>		12.08-05.10		





1 2 3 4 5 6 7 8

SANTANA

Land Rover

0986 356 017	0986 356 017	0986 356 017	0986 356 017	0986 356 040
0986 356 017	0986 356 017	0986 356 017	0986 356 017	0986 356 040
0986 356 017	0986 356 017	0986 356 017	0986 356 017	0986 356 040

SEAT

Alhambra

0986 357 733	0986 357 732	0986 357 731	0986 357 729
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Altea

0986 357 732	0986 357 732	0986 357 730	0986 357 729
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Altea XL

0986 357 732	0986 357 732	0986 357 730	0986 357 729
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Arosa

0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0986 357 726	0986 357 726	0986 357 725	0986 357 724	
0986 357 726	0986 357 726	0986 357 725	0986 357 724	

Cordoba

0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 987	0356 912 987	0356 912 886	0356 912 886	0356 904 062
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0986 357 736	0986 357 734	0986 357 732	0986 357 732	
0986 357 726	0986 357 726	0986 357 725	0986 357 724	
0986 357 726	0986 357 726	0986 357 725	0986 357 724	

Exeo

0356 912 987	0356 912 987	0356 912 886	0356 912 886	0356 904 062
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0356 912 887	0356 912 888	0356 912 987	0356 912 944	0356 912 993
0356 912 943	0356 912 885	0356 912 884	0356 912 883	0356 904 068
0986 357 741	0986 357 741	0986 357 740	0986 357 739	
				0356 904 068
0986 357 741	0986 357 741	0986 357 740	0986 357 739	
0986 357 741	0986 357 741	0986 357 740	0986 357 739	
0986 357 741	0986 357 741	0986 357 740	0986 357 739	
0986 357 734	0986 357 732	0986 357 731	0986 357 729	
0356 912 888	0356 912 987	0356 912 944	0356 912 944	0356 904 062
0356 912 883	0356 912 884	0356 912 885	0356 912 885	
0356 912 888	0356 912 987	0356 912 944	0356 912 944	0356 904 062
0986 357 733	0986 357 732	0986 357 731	0986 357 729	
0356 912 888	0356 912 987	0356 912 944	0356 912 944	0356 904 062

Exeo

0986 357 741	0986 357 741	0986 357 740	0986 357 739
0986 357 741	0986 357 741	0986 357 740	0986 357 739





◀ SEAT

Ibiza									
0.9	0,9	29-32	1000 GL 7000	06.84-05.93	0 986 356 785	B 785			
1.0	1,0	33	AAU	03.93-06.96	0 986 356 338	B 338			
		37	AER	09.96-10.99	0 986 356 343	B 343			
			ALD; ANV; AUC	05.99-05.02	0 986 356 312	B 312			
1.2	1,2	44-47/51	021 A 1000; 021 C.1000	06.84-05.93	0 986 356 984	B 984			
1.3	1,3	40	AAV; 2G	03.93-07.94	0 986 356 369	B 369			
1.4	1,4	40	ANX	01.98-05.98	0 986 356 343	B 343			
		44	ABD	09.93-12.95	0 986 356 358	B 358			
			AEX	12.95-12.97	0 986 356 343	B 343			
			AKK	05.99-05.02	0 986 356 312	B 312			
			AKV	12.97-10.99	0 986 356 343	B 343			
			ANW	05.99-08.00	0 986 356 312	B 312			
			APQ	12.97-10.99	0 986 356 343	B 343			
			AUD	06.00-05.02	0 986 356 312	B 312			
		55	APE	05.99-06.00	0 986 356 308	B 308			
		55/74	AQQ; AUA; AUB	09.99-05.02	0 986 356 308	B 308			
		74	AFH	11.96-10.99	0 986 356 309	B 309			
		1.5	1,5	63	021 A 2000	06.84-05.93	0 986 356 984	B 984	
				65-70	021 A 2000 <Kat.>; 021 D.2000	10.86-05.93	0 986 356 984	B 984	
				74	021 A 2000	10.86-03.91	0 986 356 984	B 984	
		1.6	1,6	55	ABU	03.93-07.94	0 986 356 338	B 338	
	AEE			03.97-12.98	0 986 356 343	B 343			
	ALM			09.97-05.02	0 986 356 343	B 343			
	1F			05.94-08.99	0 986 356 343	B 343			
74	AEH			05.99-05.02	0 986 356 359	B 359			
	AFT			12.95-10.99					
	AKL			05.99-05.02	0 986 356 359	B 359			
	APF			09.99-10.00	0 986 356 359	B 359			
	AUR			07.00-10.01	0 986 356 359	B 359			
				11.01-05.02					
1.7	1,7			72-76	021...	01.91-05.93	0 986 356 984	B 984	
1.8	1,8			66	ABS; ADZ	03.93-10.99	0 986 356 342	B 342	
2.0	2,0	85	AGG	04.96-10.99	0 986 356 342	B 342			
			AZL; BBX	07.02-11.09	0 986 356 331	B 331			
			2E	03.93-04.96	0 986 356 342	B 342			
Inca									
1.4	1,4	44	AEX; AKV; APQ	11.95-06.03	0 986 356 360	B 360			
			AUD	09.00-06.03	0 986 356 312	B 312			
		55	AUA	09.00-06.03	0 986 356 308	B 308			
1.6	1,6	55	AEE	06.97-09.00	0 986 356 360	B 360			
			1F	11.95-05.97	0 986 356 338	B 338			
Leon									
1.4	1,4	55	AHW; APE; AXP	12.99-05.02	0 986 356 308	B 308			
1.6	1,6	74	AEH; AKL	10.98-07.04	0 986 356 359	B 359			
		75	BFQ	10.05-06.06					
			BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>; CMXA <MW6>	07.05-→	0 986 356 346	B 346			
	77	AUS; AZD	06.00-04.02	0 986 356 308	B 308				
1.8	1,8	92	AGN; APG	10.98-07.04	0 986 356 337	B 337			
Malaga									
1.2	1,2	44-47/51	021 A 1000; 021 C.1000	05.85-12.93	0 986 356 984	B 984			
1.5	1,5	63-66/70-74	021 A 2000; 021 A 2000 <Kat.>; 021 B.2000	05.85-12.93	0 986 356 984	B 984			
Marbella									
0.8	0,8	25	08 NCA	01.87-10.93	0 986 356 785	B 785			
0.9	0,9	29-30	09 NCA	01.87-02.97	0 986 356 785	B 785			
		30	903 C.E.	01.95-05.98	0 986 357 193	B 193			
Terra									
0.9	0,9	29	09 NCA	01.87-12.94	0 986 356 727	B 727			
Toledo									
1.4	1,4	55	AHW; AXP	07.99-05.02	0 986 356 308	B 308			
1.6	1,6	55	ABN	01.92-07.94	0 986 356 338	B 338			
			EZ; 1F	05.91-03.99	0 986 356 338	B 338			





1	2	3	4	5	6	7	8	
								Ibiza
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 987	0 356 912 987	0 356 912 886	0 356 912 886					0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
								Ibiza
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887					0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
								Ibiza
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 734	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
								Inca
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 062
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
								Leon
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
	0 986 357 727	0 986 357 727	0 986 357 727					
								Malaga
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004					0 986 356 040
								Marbella
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
								Terra
0 986 356 130	0 986 356 131	0 986 356 135	0 986 356 132					
								Toledo
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068





◀ SEAT

1.6	1,6	74	AEH; AKL	04.99-05.02	0 986 356 359	B 359
		75	BGU; BSE; BSF	09.04→		
		77	AUS; AZD	06.00-04.02		
1.8	1,8	66	ABS; ADZ	11.93-03.99	0 986 356 342	B 342
			RP	05.91-11.93		
		92	AGN; APG	04.99-12.03		
2.0	2,0	85	AGG; 2E	05.91-03.99	0 986 356 342	B 342
2.3	2,3	110	AGZ	04.99-11.00	0 986 356 349	B 349

SKODA

Fabia

1.4	1,4	55/74	AUA; AUB; BBY; BBZ; BKY	09.99-12.07	0 986 356 308	B 308
2.0	2,0	85	AZL	07.00-12.07	0 986 356 331	B 331

Favorit

135	1,3	40/43	<OHV>; 781.135E <OHV Kat.>	09.88-09.94	0 986 356 719	B 719	
136	1,3	40	A01 <OHV Kat.>	08.92-07.93	0 986 356 719	B 719	
				07.93-09.94			
			40/50	A02			07.93-12.98
			46	<OHV>			09.88-09.94
		50	A01	07.93-09.94			

Felicia

1.3	1,3	40/42/43/50	135..; 135B; 136B	10.94-07.96	0 986 357 068	B 068
1.6	1,6	55	AEE	05.95-08.01	0 986 356 360	B 360

Forman

1.1	1,1	38	<OHC>	10.90-12.95	0 986 356 719	B 719
1.3	1,3	40	781.135E <OHC Kat.>	08.92-07.93	0 986 356 719	B 719
				07.93-12.95		
			45	<OHC>		
		50	136B <OHC Kat.>	09.93-12.95		

Octavia

1.4	1,4	55	AXP; BCA	08.00-12.10	0 986 356 308	B 308	
1.6	1,6	55	AEE	09.96-09.04	0 986 356 360	B 360	
			74	AEH; AKL			11.96-05.07
			75	AVU; BFQ			08.00-12.10
				BGU <MW6>; BGU <T53>; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>			05.04→
1.8	1,8	92	AGN	09.96-06.97	0 986 356 305	B 305	
				07.97-04.99			
2.0	2,0	85	AEG; APK; AQY; AZH	06.99-05.07	0 986 356 331	B 331	

Pick-Up

135	1,3	40		09.91-12.97	0 986 356 719	B 719
			136B	07.93-12.97		
		42		09.91-12.97	0 986 356 719	B 719

Superb

2.0	2,0	85	AZM	12.01-03.08		
2.8	2,8	140/142	AMX; BBG	12.01-03.08	0 986 356 321	B 321

SMART (MCC)

Fortwo

0.7	0,7	37/45/55	160.910; 160.920	02.04-03.07	KZL,RBE	LZL,RBE
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Smart

0.6	0,6	33/40/45/52	160.910	07.98-01.04	KZL,RBE	LZL,RBE
0.7	0,7	37/45/55	160.920	01.03-01.04	KZL,RBE	LZL,RBE



1	2	3	4	5	6	7	8
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732			

SKODA

Fabia

0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729

Favorit

0 986 356 000	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	
0 986 356 000	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	

Felicia

0 986 356 128	0 986 356 129	0 986 356 129	0 986 356 130	0 986 356 089
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944	0 356 904 068

Forman

0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	

Octavia

0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944	0 356 904 062
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	

0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729
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Pick-Up

0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004	
0 986 356 000	0 986 356 002	0 986 356 002	0 986 356 004	0 986 356 040

Superb

0 986 357 733	0 986 357 733	0 986 357 731	0 986 357 729
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SMART (MCC)

Fortwo

0 356 912 965	0 356 912 965	0 356 912 965
0 356 912 967	0 356 912 967	0 356 912 967

Smart

0 356 912 965	0 356 912 965	0 356 912 965
0 356 912 967	0 356 912 967	0 356 912 967
0 356 912 965	0 356 912 965	0 356 912 965
0 356 912 967	0 356 912 967	0 356 912 967





SUBARU

Forester						
2.0	2,0	90/92	EJ20J; EJ202		01.97-05.02	0 986 357 262 B 262
Impreza						
1.6	1,6	66	EJ16E; EJ16J		01.93-09.00	0 986 356 716 B 716
1.8	1,8	76	EJ18E		01.93-06.97	0 986 356 716 B 716
2.0	2,0	85/155	EJ20E; EJ20G		12.93-09.00	0 986 356 716 B 716
		92	EJ201		08.98-09.00	0 986 356 716 B 716
Justy						
1.0	1,0	37	EF10 <Kat.>		05.87-10.95	0 986 357 169 B 169
1.2	1,2	49/55	EF12; EF12 <Kat.>		05.87-10.95	0 986 357 169 B 169
Legacy						
1.6	1,6		EJ16		05.90-12.93	0 986 357 205 B 205
1.8	1,8		EJ18E		06.97-11.98	0 986 357 262 B 262
		76	EJ18A		01.89-12.93	0 986 357 205 B 205
			EJ18S		01.89-12.93	0 986 357 205 B 205
2.0	2,0	85	EJ20E		05.92-11.98	0 986 356 716 B 716
2.2	2,2	94-96	EJ22E		01.94-05.97	0 986 356 716 B 716
		100	EJ22		01.89-12.93	0 986 356 716 B 716
Libero						
1.0	1,0	37	EF10		10.83-04.93	
1.2	1,2	38	EF12; EF12 <Kat.>		10.86-04.93	
MV						
1.8	1,8	60	EA81		11.84-12.94	
Serie L						
1.8	1,8	72	EA82E <Kat.>		01.88-02.92	
Vivio						
660	0,7	32	EN07E		08.93-04.00	0 986 357 190 B 190

SUZUKI

Alto						
1.0	1,0	39	G10B		10.94-02.02	
800	,8	29	F8B		01.86-11.93	0 986 356 710 B 710
Baleno						
1.3	1,3	62-63	G13B		04.95-09.07	0 986 357 263 B 263
1.6	1,6	72-74	G16B		04.95-04.05	0 986 357 263 B 263
					08.96-05.02	0 986 356 756 B 756
Carry						
1.3	1,3	58	G13B		03.99-03.09	0 986 357 263 B 263
Grand Vitara						
1.6	1,6	69/78	G16B; M16A		03.98→	0 986 357 263 B 263
Ignis						
1.3	1,3	61	M13A		10.00-09.03	0 986 357 263 B 263
1.5	1,5	80	M15A		12.03-12.07	0 986 357 263 B 263
Jimny						
1.3	1,3	59/60-63	G13BB; M13A		10.98→	0 986 357 263 B 263
Liana						
1.3	1,3	66	M13A		03.01-12.04	0 986 357 263 B 263
1.6	1,6	76	M16A		03.01-04.08	0 986 357 263 B 263
1.8	1,8	92	M18A		04.05-12.07	0 986 357 263 B 263
Samurai						
1.0	1,0	33	F10A		07.84-12.94	0 986 356 732 B 732
1.3	1,3	44	G13A		11.88-03.95	0 986 356 762 B 762
		47	G13A		08.88-12.04	0 986 356 762 B 762
		47/51	G13B		11.88-12.04	0 986 356 762 B 762
		50	G13A		11.88-03.95	0 986 356 762 B 762





1 2 3 4 5 6 7 8

SUBARU

Forester

Impreza

Justy

0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 044
 0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 044

Legacy

Libero

0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 049
 0 986 356 004 0 986 356 004 0 986 356 002 0 986 356 049

MV

0 986 356 002 0 986 356 006 0 986 356 002 0 986 356 006 0 986 356 042

Serie L

0 986 356 010 0 986 356 002 0 986 356 008 0 986 356 002 0 986 356 038

Vivio

0 986 356 006 0 986 356 006 0 986 356 002 0 986 356 002 0 986 356 042

SUZUKI

Alto

0 986 356 008 0 986 356 008 0 986 356 006 0 986 356 004 0 986 356 040
 0 986 356 023 0 986 356 021 0 986 356 021 0 986 356 040

Baleno

Carry

Grand Vitara

Ignis

Jimny

Liana

Samurai

0 986 356 021 0 986 356 023 0 986 356 023 0 986 356 025 0 986 356 038
 0 986 356 040
 0 986 356 040
 0 986 356 040
 0 986 356 040





◀ SUZUKI

Swift							
1.0	1,0	39	G10		10.89-04.95		0 986 356 710 B 710
					10.89-09.95		
				→ Fgst.Nr. *00140000	10.89-09.95		0 986 356 710 B 710
			G10A		03.96-12.04		
		40	G10		10.89-04.95		0 986 356 710 B 710
1.3	1,3	49/50/74	G13B		01.89-09.95		0 986 356 841 B 841
		50	G13BA		06.96-03.01	XDW	0 986 357 263 B 263
		63/67	G13BB; M13A		04.01→		0 986 357 263 B 263
1.6	1,6	68/70/71	G16A; G16B		03.89-12.95		0 986 356 756 B 756
SX4							
1.6	1,6	79/88	M16A		12.07→		0 986 357 263 B 263
Vitara							
1.6	1,6	55/59/60	G16A		09.88-03.98		0 986 356 855 B 855
		70-74	G16B		07.90-03.98		0 986 356 810 B 810
Wagon R							
1.0	1,0	48-52	K10A		09.97-05.00		0 986 357 053 B 053
1.2	1,2	51	K12A		07.98-05.00		0 986 357 053 B 053
1.3	1,3	56	G13BB		05.00-08.03		0 986 357 263 B 263
X-90							
1.6	1,6	71	G16B		09.95→		0 986 356 810 B 810

TALBOT

Express							
1.8	1,8	50	XM7T		09.81-12.93		
2.0	2,0	57/72	XN1TA; XN1TACP Kat.		09.81-12.93		

TOFAS

124							
1.3	1,3	48			09.83-07.93		
131							
1.6	1,6	55			03.81-05.93		

TOYOTA

Avensis							
1.6	1,6	74/81	4AFE		10.97-07.00	RLE	0 986 357 198 B 198
1.8	1,8	81	7AFE		10.97-07.00		0 986 357 198 B 198
2.0	2,0	94	3SFE		10.97-01.03		0 986 356 923 B 923
Camry							
2.0	2,0	89-94	3SFE		10.86-05.91		0 986 356 949 B 949
3.0	3,0	138	3VZFE		06.91-08.96		0 986 356 926 B 926
Carina							
1.6	1,6	67	4AF		12.87-01.92		0 986 356 953 B 953
		72-75	4AFE		12.87-01.92		0 986 356 953 B 953
		75/79/85	4AFE		02.92-10.97		0 986 356 928 B 928
		79	4AFE <Lean Burn>		12.92-10.97		0 986 356 928 B 928
1.8	1,8	79	7AFE		11.94-10.97		0 986 356 928 B 928
2.0	2,0	94	3SFE		12.87-01.92		0 986 356 931 B 931
		98	3SFE		02.92-10.97		0 986 356 933 B 933
Celica							
1.6	1,6	77	4AFE		09.89-11.93		0 986 356 931 B 931
1.8	1,8	85	7AFE		11.93-08.99		0 986 356 928 B 928
2.0	2,0	129	3SGE		11.93-08.99		0 986 356 945 B 945
Corolla							
1.3	1,3	53	2E		04.97-07.01		0 986 357 171 B 171
		53-60	2E		05.87-04.92		0 986 356 932 B 932



1	2	3	4	5	6	7	8	
								Swift
0 986 356 023	0 986 356 021	0 986 356 021						0 986 356 040
0 986 356 010	0 986 356 010	0 986 356 008						0 986 356 040
0 986 356 023	0 986 356 021	0 986 356 021						0 986 356 040
								0 986 356 044
0 986 356 008	0 986 356 008	0 986 356 006						
0 986 356 023	0 986 356 021	0 986 356 021						0 986 356 040
0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 059					0 986 356 044

SX4

Vitara
0 986 356 042

Wagon R

X-90

TALBOT

								Express
0 986 356 019	0 986 356 021	0 986 356 023	0 986 356 025					0 986 356 042
0 986 356 019	0 986 356 021	0 986 356 023	0 986 356 025					0 986 356 042

TOFAS

								124
0 986 356 017	0 986 356 019	0 986 356 019	0 986 356 021					0 986 356 042
								131
0 986 356 017	0 986 356 017	0 986 356 019	0 986 356 021					0 986 356 042

TOYOTA

Avensis

Camry

Carina

Celica

Corolla





◀ TOYOTA

1.3	1,3	55	2E	05.87-04.92		0 986 356 932	B 932
				05.92-04.97		0 986 357 171	B 171
		55-58	2E	08.87-04.92		0 986 356 932	B 932
		55/60	2EE	08.89-04.92		0 986 356 932	B 932
		55-65	4EFE	05.92-04.97		0 986 356 957	B 957
		63	4EFE	04.97-11.99		0 986 357 259	B 259
		65	4EFE	05.92-05.95		0 986 356 957	B 957
	1,6	79	4AFE	09.98-11.99		0 986 356 928	B 928
1.6	1,6	66/67	4AF; 4AFC	05.87-04.92		0 986 356 953	B 953
		70/76/77	4AFE	01.88-08.95		0 986 356 931	B 931
		79-81/84-85	4AFE	05.92-10.99		0 986 356 928	B 928
1.8	1,8	77-85/86	7AFE	09.92-07.01		0 986 356 928	B 928
Corona							
1.6	1,6	77	4AFE	01.97-10.00		0 986 356 928	B 928
Hiace							
2.0	2,0	74	1RZ	05.92-08.93	RLE	0 986 357 206	B 206
2.4	2,4	88	2RZE	06.92-02.05		0 986 357 206	B 206
Hilux							
1.8	1,8	57	2Y	01.90-08.94		0 986 356 936	B 936
2.2	2,2	69	4Y	08.88-08.94		0 986 356 936	B 936
MR2							
2.0	2,0	89/115/118/125	3SFE; 3SGE	12.89-08.99		0 986 357 175	B 175
Paseo							
1.5	1,5	69	5EFE	08.95-07.99		0 986 356 957	B 957
Picnic							
2.0	2,0	98	3SFE	09.96-05.01		0 986 356 923	B 923
Previa							
2.4	2,4	97	2TZFE	05.90-12.99		0 986 356 950	B 950
RAV4							
2.0	2,0	94	3SFE	11.95-08.00		0 986 356 933	B 933
		96	3SFE	11.95-08.00		0 986 356 933	B 933
		99	3SFE	11.95-08.00		0 986 356 933	B 933
Starlet							
1.0	1,0	40	1E	12.89-01.96		0 986 357 171	B 171
1.3	1,3	53/55-60	2E; 2EE	12.89-07.99		0 986 357 171	B 171
		55/60-62	4EFE	01.96-07.99		0 986 356 957	B 957
4-Runner							
3.0	3,0	105	3VZE	09.89-08.95		0 986 356 937	B 937

VAUXHALL

Astra E							
1.2	1,2	40	12 S,ST <OHC>	01.89-08.91		0 986 356 723	B 723
1.3	1,3	44	C 13 N <OHC>; 13 N, NB <OHC>	09.84-08.91		0 986 356 723	B 723
1.4	1,4	44/55	C 14 NZ <OHC>; 14 NV <OHC>	01.90-08.91		0 986 357 127	B 127
1.6	1,6	55	C 16 LZ <OHC>	09.84-12.91			
			Fg.Nr. →J2508723; →J5008433	09.84-12.91			
			Fg.Nr. J2508724→Mot.Nr. 02V65825;	09.84-12.91			
			Fg.Nr. J5008434→Mot.Nr. 02V65825				
			Mot.Nr. →02V65825	09.84-12.91		0 986 356 723	B 723
			Mot.Nr. 02V65826→	09.84-12.91		0 986 357 249	B 249
			C 16 NZ <OHC>	09.84-12.91			
			Fg.Nr. →J2508723; →J5008433	09.84-12.91			
			Fg.Nr. J2508724→Mot.Nr. 02V65825;	09.84-12.91			
			Fg.Nr. J5008434→Mot.Nr. 02V65825				
			Mot.Nr. →02V65825	09.84-12.91		0 986 356 723	B 723
			Mot.Nr. 02V65826→	09.84-12.91		0 986 357 249	B 249



1 2 3 4 5 6 7 8

Corona

Hiace

Hilux

MR2

Paseo

Picnic

Previa

RAV4

Starlet

4-Runner

VAUXHALL

Astra E

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 061

0 986 356 230

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 218 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 061

0 986 356 084 0 986 356 084 0 986 356 085 0 986 356 061

0 986 356 218 0 986 356 084 0 986 356 085 0 986 356 061





◀ VAUXHALL

1.6	1,6	55	E 16 NZ <OHC>	09.87-12.91				
			Fg.Nr. →J2508723→J5008433	09.87-12.91				
			Fg.Nr. J2508724→Mot.Nr. 02V65825;	09.87-12.91				
			Fg.Nr. J5008434→Mot.Nr. 02V65825					
			Mot.Nr. →02V65825	09.87-12.91		0 986 356 723 B 723		
			Mot.Nr. 02V65826→	09.87-12.91		0 986 357 249 B 249		
		60	16 SV <OHC>					
			Mot.Nr. →02E85672	09.84-12.91		0 986 356 723 B 723		
			Mot.Nr. 02E85673→	09.84-12.91		0 986 357 127 B 127		
			Mot.Nr. 02E85673→19585415	09.84-12.91				
			Mot.Nr. 19585416→	09.84-12.91				
		66	16 S/SH <OHC>	09.84-12.91		0 986 356 741 B 741		
1.8	1,8	82	18 E <OHC>	09.84-08.91		0 986 356 826 B 826		
			82-85	18 SE <OHC>				
				Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91			
				Mot.Nr. →14258179	09.86-08.91		0 986 356 722 B 722	
				Mot.Nr. 14258180→14275381	09.86-08.91		0 986 356 801 B 801	
Mot.Nr. 14275382→	09.86-08.91			0 986 357 127 B 127				
2.0	2,0	85	C 20 NE <OHC>					
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91				
			Mot.Nr. →14180385	09.86-08.91		0 986 356 722 B 722		
			Mot.Nr. 14180386→14672352	09.86-08.91		0 986 356 801 B 801		
			Mot.Nr. 14672353→	09.86-08.91		0 986 357 127 B 127		
			20 NE <OHC>					
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91				
			Mot.Nr. →14180385	09.86-08.91		0 986 356 722 B 722		
			Mot.Nr. 14180386→14672352	09.86-08.91		0 986 356 801 B 801		
			Mot.Nr. 14672353→	09.86-08.91		0 986 357 127 B 127		
			95	20 SEH <OHC>				
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-08.91	TW	0 986 356 722 B 722		
			Fg.Nr. L5362399→	09.86-08.91		0 986 357 127 B 127		
			110	C20 XE (XEJ) <DOHC>				
			Mot.Nr. →14028514	05.88-08.91		0 986 357 139 B 139		
		WW	0 986 357 227 B 227					
Mot.Nr. 14028515→	05.88-08.91		0 986 357 233 B 233					
110-115	20 XE <DOHC>							
Mot.Nr. →14180385	05.88-08.91		0 986 357 139 B 139					
		WW	0 986 357 227 B 227					
Mot.Nr. 14180386→	05.88-08.91		0 986 357 233 B 233					

Astra F

1.4	1,4	44	C 14 NZ <OHC>	09.90-02.98				
			Mot.Nr. →02V57973; Fg.Nr. →P2599999; →P3999999; →P4999999;	09.90-02.98		0 986 356 747 B 747		
			→P5999999; →P6999999; →P8999999					
			Mot.Nr. →19241623; 02V57974→02BF1476; Fg.Nr. R2000001→;	09.90-02.98		0 986 357 127 B 127		
			R3000001→; R4000001→; R5000001→; R6000001→; R8000001→					
			X 14 NZ <OHC>	09.97-02.98				
			Mot.Nr. →02V57973; Fg.Nr. →P2599999; →P3999999; →P4999999;	09.97-02.98		0 986 356 747 B 747		
			→P5999999; →P6999999; →P8999999					
			Mot.Nr. →19241623; 02V57974→02BF1476; Fg.Nr. R2000001→;	09.97-02.98		0 986 357 127 B 127		
			R3000001→; R4000001→; R5000001→; R6000001→; R8000001→					
			55	14 NV <OHC>	09.91-09.93			
			Mot.Nr. →02V57973; Fg.Nr. →P2599999; →P3999999; →P4999999;	09.91-09.93		0 986 356 747 B 747		
			→P5999999; →P6999999; →P8999999					
			Mot.Nr. →19241623; 02V57974→02BF1476; Fg.Nr. R2000001→;	09.91-09.93		0 986 357 127 B 127		
			R3000001→; R4000001→; R5000001→; R6000001→; R8000001→					
60	14 SE/ C 14 SE <OHC>	03.92-02.98						
Mot.Nr. →02BD1412; →19280316	03.92-02.98							
Mot.Nr. 02BD1413→; 19280317→	03.92-02.98							
			0 986 357 226 B 226					
	Mot.Nr. →02T14052; →19880550	03.92-02.98		0 986 357 127 B 127				
Mot.Nr. 02T14053→02BD1413; 19880551→19280316	03.92-02.98		0 986 357 124 B 124					
66	X 14 XE <Ecotec DOHC>	04.96-02.98						



1	2	3	4	5	6	7	8
							0 986 356 061
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 230
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 025	0 986 356 025	0 986 356 023	0 986 356 021				0 986 356 042
							0 986 356 042
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
							0 986 356 090
							0 986 356 046
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				0 986 356 090
							Astra F
							0 986 356 230
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 230
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 230
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 230
0 986 356 088	0 986 356 087	0 986 356 086	0 986 356 086				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				





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1.6	1,6	52	X 16 SZ <OHC>					
			Mot.Nr. →02BE6166	07.94-02.98	0 986 357 124	B 124		
			Mot.Nr. 02BE6167→	07.94-02.98	0 986 357 226	B 226		
	55			C 16 NZ / E 16 NZ <OHC>	09.91-02.98			
				Mot.Nr. 02BE6167→	09.93-02.98	0 986 357 156	B 156	
				Mot.Nr. →02V65825	09.91-02.98	0 986 356 723	B 723	
				Mot.Nr. 02V65826→02BE6166	09.91-02.98	0 986 357 249	B 249	
				X 16 SZR <OHC>	09.95-08.97	TW	0 986 357 063	B 063
				Mot.Nr. →02BE6166	09.95-08.97		0 986 357 124	B 124
	74			Mot.Nr. 02BE6167→	09.95-08.97		0 986 357 226	B 226
				16 LZ2,16NZ2 <OHC>	09.91-02.98			
				C 16 SE <OHC>	03.92-12.93	TW	0 986 357 063	B 063
				Mot.Nr. →02BD0920	03.92-02.98		0 986 357 124	B 124
				Mot.Nr. 02BD0921→	03.92-02.98		0 986 357 226	B 226
				X 16 XEL <Ecotec DOHC>				
Mot.Nr. →20C17332	01.94-02.98		0 986 356 778	B 778				
			WW	0 986 357 234	B 234			
			Mot.Nr. 20C17333→	01.94-02.98				
1.8	1,8	66	C 18 NZ <OHC>	09.91-02.98				
			Mot.Nr. →14349311	09.91-02.98	0 986 356 801	B 801		
			Mot.Nr. 14349312→	09.91-02.98	0 986 357 127	B 127		
	85			C 18 SEL				
				Fg.Nr. →V8999999	09.95-08.97	0 986 357 237	B 237	
				Fg.Nr. W2000000→	09.95-08.97	0 986 357 284	B 284	
				C 18 XEL <DOHC>				
				Fg.Nr. →V8999999	09.94-02.98	0 986 357 237	B 237	
				Fg.Nr. W2000000→	09.94-02.98	0 986 357 284	B 284	
	92			X 18 XE <DOHC>				
				Fg.Nr. →V8999999	09.95-08.97	0 986 357 237	B 237	
				Fg.Nr. W2000000→	09.95-08.97	0 986 357 284	B 284	
				C 18 XE <DOHC>				
				Fg.Nr. →V8999999	09.94-02.98	0 986 357 237	B 237	
				Fg.Nr. W2000000→	09.94-02.98	0 986 357 284	B 284	
2.0	2,0	85	C 20 NE, 20 NE <OHC>	09.91-02.98				
			Mot.Nr. →14672353	09.91-02.98	0 986 356 801	B 801		
			Mot.Nr. 14672354→Fg.Nr. R8999999	09.91-02.98	0 986 357 127	B 127		
	100			X 20 XEV <Ecotec DOHC>				
				Fg.Nr. →V8999999	01.95-02.98	0 986 357 237	B 237	
				Fg.Nr. W2000000→	01.95-02.98	0 986 357 284	B 284	
	110			C 20 XE,XE-LN <DOHC>	09.91-02.98			
				Mot.Nr. →14002934	09.91-02.98	0 986 357 233	B 233	
				Mot.Nr. 14002935→	09.91-02.98			

Astra G

1.6	1,6	55	X 16 SZR <Ecotec>	09.97-08.05	0 986 357 126	B 126
			Mot.Nr. →02BE6165	09.97-08.05	0 986 357 124	B 124
			Mot.Nr. 02BE6166→	09.97-08.05	0 986 357 126	B 126
		62	Z 16 SE <Ecotec>	09.00-08.05	0 986 357 126	B 126
		76	Z 16 XEP <Twinport Ecotec>	03.03-08.05		

Belmont

1.3	1,3	55	13 S <OHC>	09.85-09.93	0 986 356 723	B 723
1.4	1,4	44	C 14 NZ <OHC>	09.90-12.91	0 986 357 127	B 127
1.6	1,6	60	16 SV <OHC>			
			Mot.Nr. →02E85672	09.85-09.93	0 986 356 723	B 723
			Mot.Nr. 02E85673→	09.85-09.93	0 986 357 127	B 127
			Mot.Nr. 02E85673→19585415	09.85-09.93		
			Mot.Nr. 19585416→	09.85-09.93		
	66	16 S -SH <OHC>	09.85-09.93	0 986 356 741	B 741	
1.8	1,8	82-85	18 SE <OHC II>			
			Fg.Nr. →J2791967; →J5273427; →JE215465	09.86-09.93		
			Mot.Nr. →14258179	09.86-09.93	0 986 356 722	B 722
			Mot.Nr. 14258180→14275381	09.86-09.93	0 986 356 801	B 801
			Mot.Nr. 14275382→	09.86-09.93	0 986 357 127	B 127



1	2	3	4	5	6	7	8
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				0 986 356 061
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				0 986 356 090
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				Astra G
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				Belmont
							0 986 356 061
							0 986 356 230
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 230
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 025	0 986 356 025	0 986 356 023	0 986 356 021				0 986 356 042
							0 986 356 046
							0 986 356 090





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Brava							
2.3	2,3	69/72	4 ZD1; 4 ZD1-23P		09.91-09.96		
Calibra							
2.0	2,0	85	C 20 NE <DOHC II>				
			Fg.Nr. S1.....→S9.....→		03.90-03.98	0 986 357 242	B 242
			Mot.Nr. →14672352		03.90-03.98	0 986 356 801	B 801
			Mot.Nr. 14672353→Fg.Nr. R1.....; Mot.Nr. 14672353→Fg.Nr. R9.....		03.90-03.98	0 986 357 125	B 125
		100	X 20 XEV <DOHC II>				
			Mot.Nr. →14195306		09.93-07.97	0 986 357 237	B 237
			Mot.Nr. 14195307→		09.93-07.97	0 986 357 284	B 284
		110	C 20 XE,XE-LN <DOHC>				
			Fg.Nr. P1000001→		03.90-03.97	0 986 357 237	B 237
			Mot.Nr. →14180385		03.90-03.97	0 986 357 139	B 139
						WW	
			Mot.Nr. 14180386→Fg.Nr. N1999999		03.90-03.97	0 986 357 227	B 227
						0 986 357 233	B 233
		150	C 20 LET <DOHC>		03.92-07.97	0 986 357 233	B 233
2.5	2,5	125	C 25 XE,X 25 XE				
			Mot.Nr. →08145499		04.93-03.97	0 986 357 143	B 143
			Mot.Nr. 08145500→		04.93-03.97	0 986 357 050	B 050
Carlton							
1.8	1,8	65-66	18 SV /18NVR				
			Fg.Nr. L1204908→		09.89-10.94	0 986 357 125	B 125
			Mot.Nr. →14258179		09.86-10.94	0 986 356 800	B 800
			Mot.Nr. 14258180→Fg.Nr. L1204907		09.89-10.94	0 986 356 850	B 850
		85	18 SEH				
			Fg.Nr. L1204908→		09.89-10.94	0 986 357 125	B 125
			Mot.Nr. →14258179		09.86-10.94	0 986 356 800	B 800
			Mot.Nr. 14258180→Fg.Nr. L1204907		09.89-10.94	0 986 356 850	B 850
2.0	2,0	73-74	C 20 NEJ/NEF				
			Mot.Nr. →14180385		06.89-03.94	0 986 356 800	B 800
			Mot.Nr. 14180386→14672352		09.89-03.94	0 986 356 850	B 850
			Mot.Nr. 14672353→		09.89-03.94	0 986 357 125	B 125
		85	C 20 NE				
			Mot.Nr. →14180385		09.86-10.94	0 986 356 800	B 800
			Mot.Nr. 14180386→14672352		09.89-10.94	0 986 356 850	B 850
			Mot.Nr. 14672353→		09.89-10.94	0 986 357 125	B 125
		90	20 SE				
			Mot.Nr. →14180385		09.86-10.94	0 986 356 800	B 800
			Mot.Nr. 14180386→14312950		09.89-10.94	0 986 356 850	B 850
			Mot.Nr. 14312951→		09.89-10.94	0 986 357 125	B 125
2.4	2,4	92	C 24 NE CIH				
			Mot.Nr. →01036313		09.86-10.94		
			Mot.Nr. 01036314→		09.86-10.94	0 986 356 864	B 864
2.6	2,6	110	C 26 NE CIH		09.90-10.94	0 986 356 814	B 814
3.0	3,0	130	C 30 NE CIH				
			Fg.Nr. →K1000098		03.87-10.94		
			Fg.Nr. K1000099→Mot.Nr. 01026690		03.87-10.94		
			Mot.Nr. →01026690		03.87-10.94	0 986 357 011	B 011
			Mot.Nr. 01026691→		03.87-10.94	0 986 357 086	B 086
			30 NE CIH				
			Fg.Nr. →K1000098		03.87-10.94		
			Fg.Nr. K1000099→Mot.Nr. 01026690		03.87-10.94		
			Mot.Nr. →01026690		03.87-10.94	0 986 357 011	B 011
			Mot.Nr. 01026691→		03.87-10.94	0 986 357 086	B 086
		147-150	C 30 SE/SEJ		01.89-10.94		
Cavalier							
1.4	1,4	55	14 NV				
			Mot.Nr. →02J22349		09.88-11.95	0 986 356 796	B 796
			Mot.Nr. 02J22350→		09.88-11.95		
			Mot.Nr. →19585415		09.88-11.95	TW	
			Mot.Nr. 19585416→		09.88-11.95	TW	0 986 357 148 B 148





1 2 3 4 5 6 7 8

Brava

0 986 356 044

Calibra

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 183 0 986 356 180 0 986 356 180 0 986 356 180

0 986 356 183 0 986 356 180 0 986 356 180 0 986 356 180

Carlton

0 986 356 019 0 986 356 021 0 986 356 023 0 986 356 027

0 986 356 229

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 042

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 089

0 986 356 090

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 042

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029

0 986 356 089

0 986 356 090

0 986 356 190

Cavalier

0 986 356 089

0 986 356 088 0 986 356 088 0 986 356 086 0 986 356 086

0 986 356 229

0 986 356 088 0 986 356 088 0 986 356 086 0 986 356 086

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237





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1.6	1,6	52	X 16 SZ <Ecotec>				
			Fg.Nr. →P1999999; →P5999999; →P7999999	09.94-11.95	0 986 357 124	B 124	
			Fg.Nr. R1000001→; R5000001→; R7500001→	09.94-11.95	0 986 357 226	B 226	
		55	C 16 LZ2		09.94-08.95		
			Fg.Nr. P1000001→; P5000001→; P7000001→	09.94-08.95	0 986 357 242	B 242	
		55-60	E16 NZ,C16 NZ		09.88-11.95		
				Fg.Nr. R1000001→; R5000001→; R7500001→	09.93-11.95	0 986 357 156	B 156
				Mot.Nr. →02V65825	09.88-11.95		
				Mot.Nr. →02V65825→; 02V65825	09.88-11.95	0 986 356 723	B 723
		60	16 SV		09.88-08.95	0 986 356 723	B 723
Mot.Nr. →02E85672	09.88-08.95			0 986 356 723	B 723		
Mot.Nr. 02E85673→	09.88-08.95			0 986 357 148	B 148		
Mot.Nr. 02E85673→02N39785	09.88-08.95						
Mot.Nr. 02N39786→	09.88-08.95						
1.8	1,8	65	E 18 NVR				
			Mot.Nr. →14180385	09.88-08.95	0 986 356 722	B 722	
			Mot.Nr. 14180386→	09.88-08.95			
			Mot.Nr. 14180386→14275381	09.88-08.95	0 986 356 801	B 801	
			Mot.Nr. 14275382→14279654	09.88-08.95	0 986 357 125	B 125	
			Mot.Nr. 14279655→	09.88-08.95	0 986 357 242	B 242	
		66	C 18 NZ		09.88-11.95		
				Mot.Nr. →14349310	09.88-11.95	0 986 356 801	B 801
				Mot.Nr. 14349311→14432540	09.88-11.95	0 986 357 125	B 125
				Mot.Nr. 14432541→	09.88-11.95	0 986 357 242	B 242
			18 SV		09.88-08.95	0 986 356 722	B 722
				Mot.Nr. →14180385	09.88-08.95	0 986 356 801	B 801
				Mot.Nr. 14180386→	09.88-08.95	0 986 357 125	B 125
				Mot.Nr. 14180386→14275381	09.88-08.95	0 986 357 125	B 125
				Mot.Nr. 14275382→14279654	09.88-08.95	0 986 357 242	B 242
			Mot.Nr. 14279655→	09.88-08.95	0 986 357 242	B 242	
		2.0	2,0	85	20 NE		
Mot.Nr. →14180385	09.88-08.95				0 986 356 722	B 722	
Mot.Nr. 14180386→	09.88-08.95						
Mot.Nr. 14180386→14672352	09.88-08.95				0 986 356 801	B 801	
Mot.Nr. 14672353→14841581	09.88-08.95				0 986 357 125	B 125	
	Mot.Nr. 14841582→			09.88-08.95	0 986 357 242	B 242	
86	C 20 NE				09.88-11.95	0 986 356 722	B 722
				Mot.Nr. →14180385	09.88-11.95		
				Mot.Nr. 14180386→	09.88-11.95	0 986 356 801	B 801
				Mot.Nr. 14180386→14672352	09.88-11.95	0 986 357 125	B 125
				Mot.Nr. 14672353→14841581	09.88-11.95	0 986 357 242	B 242
	Mot.Nr. 14841582→			09.88-11.95	0 986 357 242	B 242	
95	20 SEH				09.88-08.95		
				Mot.Nr. →14180385	09.88-08.95		
				Mot.Nr. 14180386→	09.88-08.95	0 986 356 801	B 801
				Mot.Nr. 14180386→14672352	09.88-08.95	0 986 357 125	B 125
	Mot.Nr. 14672353→			09.88-08.95	0 986 357 237	B 237	
100	X 20 XEV				09.93-11.95	0 986 357 237	B 237
110	C 20 XE (XEJ-LN)				09.88-11.95	0 986 357 237	B 237
				Fg.Nr. P1000001→; P5000001→; P7500001→	09.88-11.95	0 986 357 139	B 139
				Mot.Nr. →14028514	09.88-11.95	0 986 357 227	B 227
						WW	0 986 357 233
		Mot.Nr. 14028515→Fg.Nr. NV999999;	09.88-11.95	0 986 357 233	B 233		
		Mot.Nr. 14028515→Fg.Nr. N1999999;					
		Mot.Nr. 14028515→Fg.Nr. N5999999					
		20 XE/XEJ		09.88-11.95	0 986 357 237	B 237	
		Fg.Nr. P1000001→; P5000001→; P7500001→	09.88-11.95	0 986 357 139	B 139		
Mot.Nr. →14180385	09.88-11.95	0 986 357 227	B 227				
		WW	0 986 357 233	B 233			
	Mot.Nr. 14180386→Fg.Nr. NV999999;	09.88-11.95	0 986 357 233	B 233			
	Mot.Nr. 14180386→Fg.Nr. N1999999;						
	Mot.Nr. 14180386→Fg.Nr. N5999999						
150	C 20 LET <Turbo>		09.92-08.95	0 986 357 233	B 233		





1	2	3	4	5	6	7	8
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				0 986 356 229
							0 986 356 061
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 046
							0 986 356 229
							0 986 356 229
							0 986 356 046
							0 986 356 229
							0 986 356 046
							0 986 356 229
							0 986 356 046
							0 986 356 229
							0 986 356 046
							0 986 356 229
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				





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2.5 2,5 125 C 25 XE 02.93-11.95 **0 986 357 143** **B 143**

Combo

1.2 1,2 33 C 12 NZ 09.94-10.01

Mot.Nr. →19334656 09.94-10.01 **0 986 357 148** **B 148**

Mot.Nr. 19334657→ 09.94-10.01 **0 986 357 247** **B 247**

X 12 SZ <Ecotec>

Mot.Nr. 02HY3580→ 09.94-10.01 **0 986 357 126** **B 126**

Mot.Nr. →19330000 09.94-10.01 **0 986 357 124** **B 124**

Mot.Nr. 19330001→ 09.94-10.01 **0 986 357 226** **B 226**

Mot.Nr. 19330001→02HY3579 09.94-10.01

12 NZ 06.00-10.01

Mot.Nr. →19334656 06.00-10.01 **0 986 357 148** **B 148**

Mot.Nr. 19334657→ 06.00-10.01 **0 986 357 247** **B 247**

1.4 1,4 44 C 14 NZ 09.94-10.01 ~~KL~~

Mot.Nr. →02BF1475; →19241622 09.94-10.01 **0 986 357 148** **B 148**

Mot.Nr. 02BF1476→; 19241623→ 09.94-10.01 ~~KL,WW~~ **0 986 357 247** **B 247**

KL **0 986 356 746** **B 746**

X 14 SZ <Ecotec>

Mot.Nr. →02HY3579; →19747137 04.96-10.01 **0 986 357 226** **B 226**

Mot.Nr. 02HY3580→ 04.96-10.01 **0 986 357 126** **B 126**

60 C 14 SE

Mot.Nr. →02BD1412; →19262000 09.94-10.01 **0 986 357 124** **B 124**

Mot.Nr. 02BD1413→02HY3579; 19262001→ 09.94-10.01 **0 986 357 226** **B 226**

Mot.Nr. 02HY3580→ 09.94-10.01 **0 986 357 126** **B 126**

66 C 14 SEL

Mot.Nr. →20C17331 08.99-10.01 **0 986 356 778** **B 778**

WW **0 986 357 234** **B 234**

Mot.Nr. 20C17332→ 08.99-10.01

1.6 1,6 64 Z 16 SE 10.01-08.04 **0 986 357 126** **B 126**

71 Y 16 YNG <Ecotec-Gas CNG> 04.05-05.06

Corsa

1.2 1,2 33 C 12 NZ 09.94-08.00

Mot.Nr. →19334656 09.94-08.00 **0 986 357 148** **B 148**

Mot.Nr. 19334657→ 09.94-08.00 **0 986 357 247** **B 247**

X 12 SZ <Ecotec>

Mot.Nr. 02HY3580→ 09.94-08.00 **0 986 357 126** **B 126**

Mot.Nr. →19330000 09.94-08.00 **0 986 357 124** **B 124**

Mot.Nr. 19330001→ 09.94-08.00 **0 986 357 226** **B 226**

Mot.Nr. 19330001→02HY3579 09.94-08.00

12 NZ 09.94-08.00

Mot.Nr. →19334656 09.94-08.00 **0 986 357 148** **B 148**

Mot.Nr. 19334657→ 09.94-08.00 **0 986 357 247** **B 247**

1.4 1,4 44 C 14 NZ 09.94-08.00 ~~KL~~

Mot.Nr. →02BF1475; →19241622 09.94-08.00 **0 986 357 148** **B 148**

Mot.Nr. 02BF1476→; 19241623→ 09.94-08.00 ~~KL,WW~~ **0 986 357 247** **B 247**

KL **0 986 356 746** **B 746**

X 14 SZ <Ecotec>

Mot.Nr. →02HY3579; →19747137 09.96-08.98 **0 986 357 226** **B 226**

Mot.Nr. 02HY3580→ 09.96-08.98 **0 986 357 126** **B 126**

60 C 14 SE

Mot.Nr. 02BD1413→02HY3579; 19262001→ 09.94-08.00 **0 986 357 226** **B 226**

Mot.Nr. 02HY3580→ 09.94-08.00 **0 986 357 126** **B 126**

63 C 14 SEL

Mot.Nr. →20C17331 03.98-08.00 **0 986 356 778** **B 778**

WW **0 986 357 234** **B 234**

Mot.Nr. 20C17332→ 03.98-08.00

66 X 14 XE <Ecotec>

Mot.Nr. →20C17331 09.94-08.99 **0 986 356 778** **B 778**

WW **0 986 357 234** **B 234**

Mot.Nr. 20C17332→ 09.94-08.99





1 2 3 4 5 6 7 8

Combo

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 250 0 986 356 247 0 986 356 246

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

Corsa

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 229

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180





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1.6	1,6	62	Z 16 SE <Ecotec>	09.01-08.03		0 986 357 126	B 126
		74	C 16 SEL				
			Mot.Nr. →20C17331	06.98-08.00		0 986 356 778	B 778
			Mot.Nr. 20C17332→	06.98-08.00	WW	0 986 357 234	B 234
		78	X 16 XE <Ecotec>				
			Mot.Nr. →20C17331	09.94-08.99		0 986 356 778	B 778
			Mot.Nr. 20C17332→	09.94-08.99	WW	0 986 357 234	B 234
		80	C 16 XE				
			Mot.Nr. →20C17331	09.94-08.00		0 986 356 778	B 778
			Mot.Nr. 20C17332→	09.94-08.00	WW	0 986 357 234	B 234

Euromidi

2.0	2,0	74	20 S <OHC (NEF)>	09.88-08.96			
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Frontera

2.0	2,0	85	C 20 NE				
			Mot.Nr. →14672353	01.92-08.95		0 986 356 850	B 850
			Mot.Nr. 14672354→	01.92-08.95		0 986 357 125	B 125
			X 20 SE <Ecotec>	02.95-08.98		0 986 357 228	B 228
2.2	2,2	100	X 22 XE <Ecotec>	02.95-08.98		0 986 357 228	B 228
2.4	2,4	92	C 24 NE CIH	01.92-08.95		0 986 356 864	B 864

Meriva

1.6	1,6	64	Z 16 SE <Ecotec>	03.03-09.05			
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Monterey

3.2	3,2	130	6VDI	06.92-08.98		0 986 357 167	B 167
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Nova

1.0	1,0	33	10 S OHV	05.83-08.94		0 986 356 862	B 862
1.2	1,2	33	C 12 NZ <OHC>	09.90-08.94		0 986 357 148	B 148
			Fg.Nr. M4000001→Mot.Nr. 19B38643	09.90-08.91			
			Mot.Nr. 19B38644→	09.90-08.94			
			12 NC OHV	05.83-08.94		0 986 356 862	B 862
			Mot.Nr. →0106700	05.83-08.94			
		33/40-43	12 NV <OHC I>; 12 S <OHC>; 12 ST	05.83-08.94		0 986 356 886	B 886

1.3	1,3	44/51	C 13 N <OHC>; 13 S <OHC>; 13 SB <OHC>	05.83-08.94		0 986 356 886	B 886
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1.4	1,4	44	C 14 NZ <OHC I>	01.90-08.94		0 986 357 148	B 148
			Mot.Nr. 02N40263→	01.90-08.94			
		55	14 NV <OHC>	01.90-08.94		0 986 357 148	B 148
			Mot.Nr. 19585416→	01.90-08.94			
		60	C 14 SE <OHC I>	09.91-08.94		0 986 357 063	B 063
			Mot.Nr. →02T14052	09.91-08.94		0 986 357 148	B 148
			Mot.Nr. 02T14053→	09.91-08.94		0 986 357 124	B 124
			Mot.Nr. →19585415	09.91-08.94	TW		
			Mot.Nr. 19585416→	09.91-08.94	TW		

1.6	1,6	55	C 16 NZ <OHC>	09.90-08.94			
		74	C 16 SE <OHC>	05.88-08.94			
			Mot.Nr. →02V57973	05.88-08.94		0 986 356 746	B 746
			Mot.Nr. 02V57974→	05.88-08.94		0 986 357 148	B 148
			E 16 SE <OHC>				
			Fg.Nr. K4000001→	05.88-03.93			
			Mot.Nr. 02E88110→	05.88-03.93			

Omega

2.0	2,0	85	X 20 SE <Ecotec>				
			Mot.Nr. →14367064	04.94-12.00		0 986 357 126	B 126
			20 SE				
			Mot.Nr. →14367064	04.94-12.00		0 986 357 126	B 126
		100	X 20 XEV <Ecotec>	09.93-08.99	TW	0 986 357 237	B 237
2.5	2,5	125	X 25 XE <Ecotec>				
			Mot.Nr. →08145499	04.94-09.04		0 986 357 055	B 055
			Mot.Nr. 08145500→	04.94-09.04		0 986 357 050	B 050
3.0	3,0	155	X 30 XE <Ecotec>				
			Mot.Nr. →08145499	04.94-02.01		0 986 357 055	B 055
			Mot.Nr. 08145500→	04.94-02.01		0 986 357 050	B 050



1	2	3	4	5	6	7	8
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
							Euromidi
							0 986 356 044
							Frontera
							Meriva
0 986 356 252	0 986 356 252	0 986 356 251	0 986 356 251				
							Monterey
							Nova
0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 021				0 986 356 049
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 087					
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 049
0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 021				
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 088	0 986 356 088	0 986 356 087	0 986 356 086				
0 986 356 088	0 986 356 086	0 986 356 086	0 986 356 086				
0 986 356 063	0 986 356 062	0 986 356 061	0 986 356 061				
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 087	0 986 356 086				
							0 986 356 089
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
							Omega
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				





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Senator							
2.6	2,6	110	C 26 NE CIH	09.90-08.93		0 986 356 814	B 814
3.0	3,0	115	C 30 LE CIH				
			Fg.Nr. →K1000098	09.87-08.93			
			Fg.Nr. →K1000098; K1000099→Mot.Nr. 01018097	09.87-08.93			
			Fg.Nr. K1000099→Mot.Nr. 01018097	09.87-08.93			
			Mot.Nr. →01018097	09.87-08.93		0 986 357 011	B 011
			Mot.Nr. 01018098→	09.87-08.93		0 986 357 086	B 086
		130	C 30 NE CIH				
			Fg.Nr. K1000099→Mot.Nr. 01026690	01.88-08.93		0 986 357 011	B 011
			Mot.Nr. 01026691→	01.88-08.93		0 986 357 086	B 086
		150	C 30 SE <DOHC>	09.89-08.93			
Sintra							
2.2	2,2	104	X 22 XE <Ecotec>	09.96-09.99		0 986 357 237	B 237
3.0	3,0	148	X 30 XE <Ecotec>				
			Mot.Nr. →08145499	09.96-09.99		0 986 357 055	B 055
			Mot.Nr. 08145500→	09.96-09.99		0 986 357 050	B 050
Tigra							
1.4	1,4	66	X 14 XE <Ecotec>				
			Mot.Nr. →20C17331	09.94-08.99		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17332→	09.94-08.99			
1.6	1,6	78	X 16 XE <Ecotec>				
			Mot.Nr. →20C17331	09.94-08.99		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.Nr. 20C17332→	09.94-08.99			
Vectra							
1.6	1,6	55	X 16 SZR <Ecotec>				
			Mot.Nr. →02HP7704	09.96-08.00		0 986 357 226	B 226
			Mot.Nr. 02HP7705→	09.96-08.00		0 986 357 126	B 126
			16 LZ2	09.95-08.00		0 986 357 242	B 242
		74	X 16 XEL <Ecotec>	09.95-08.00		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Fg.Nr. →W1285446; →W5276825; →W7154258	09.95-08.00			
1.8	1,8	85	X 18 XE <Ecotec>	09.95-08.99	TW	0 986 357 237	B 237
2.0	2,0	82	20 NEJ				
			Mot.Nr. →14885919	09.95-08.01		0 986 357 126	B 126
		100	C 20 SEL; X 20 XEV <Ecotec>	09.95-09.02	TW	0 986 357 237	B 237
2.2	2,2	106	C 22 SEL	10.99-08.01		0 986 357 237	B 237
2.5	2,5	125-143	X 25 XE <Ecotec>	09.95-09.00		0 986 357 162	B 162

VOLGA

3102/3105/3110

2.0	2,0	100	20T4	01.86→			
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VOLVO

C70

2.0	2,0	132/166	B 5204 T3; B5204T2	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	176	B5234T3	09.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.5	2,4	142	B5254T	01.98-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753

S40 I

1.6	1,6	77/80	B4164S; B4164S2	01.97-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.8	1,8	85/90/92	B4184S; B4184SM; B4184S2; B4184S3; B4184S9; B4184S10	09.95-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238



1 2 3 4 5 6 7 8

Senator

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029 0 986 356 042

0 986 356 089

0 986 356 090

0 986 356 017 0 986 356 019 0 986 356 023 0 986 356 025 0 986 356 027 0 986 356 029 0 986 356 089

0 986 356 090

0 986 356 190

Sintra

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

Tigra

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

Vectra

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 229

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

VOLGA

3102/3105/3110

0 986 356 008 0 986 356 006 0 986 356 006 0 986 356 004

VOLVO

C70

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

S40 I

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055





◀ VOLVO

1.9	1,9	147	B4194T	05.97-07.99		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.0	1,9	118/120/121/147	B4204T2; B4204T3; B4204T5	08.99-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
	2,0	100/103/118	B4204S; B4204S2; B4204T	09.95-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
S70							
R.2.3	2,3	184	B5234T4	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.0	2,0	93/105	B 5204 S; B5202 S	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		132/155	B5204T; B5204T2	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	160/176	B5234T2; B5234T3	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
2.5	2,4	106	B5252S	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
			GB5252S	08.98-07.99		0 986 357 054	B W054
		121	B5254S	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
		142	B5254T	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
S80 I							
2.0	2,0	166	B5204T3	08.98-07.00		0 986 357 232	B W232
					WW	0 986 356 753	B 753
V40 I							
1.6	1,6	77/80	B4164S; B4164S2	01.97-04.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.8	1,8	85/90	B4184S; B4184S2; B4184S3; B4184S9; B4184S10	01.95-06.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.9	1,9	147	B4194T	05.97-07.99		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.0	1,9	120	B4204T3	08.01-04.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
	2,0	100/103/118/121/147	B4204S; B4204S2; B4204T; B4204T3; B4204T5	01.96-04.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
V70 I							
2.0	2,0	93	B5202FS	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		105/132/155/166	B5204S; B5204T; B5204T2; B5204T3	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	160/176/184	B5234T2; B5234T3; B5234T4; B5234T6	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.5	2,4	103	GB5252S	08.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		106	B5252S	01.97-03.00		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		121	B5254S	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
		142	B5254T	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
240							
2.0	2,0	82-86	B200E; B200F Kat.	08.84-07.92			
					WW	0 986 357 244	B W244
					ZMB	0 986 356 773	B 773
					ZMS	0 986 356 866	B 866
2.3	2,3	84/95-96/100	B230E; B230F; B230F Kat.	08.84-07.93			
					WW	0 986 357 244	B W244
					ZMB	0 986 356 773	B 773
					ZMS	0 986 356 866	B 866
340							
1.3	1,3	49	B13	08.79-07.91			
					ZMS	0 986 356 798	B 798





1	2	3	4	5	6	7	8
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
							S70
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
							S80 I
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
							V40 I
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
							V70 I
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
							240
0 986 356 025	0 986 356 025	0 986 356 025	0 986 356 027				
							0 986 356 044
							0 986 356 035
0 986 356 025	0 986 356 025	0 986 356 025	0 986 356 027				
							0 986 356 044
							0 986 356 035
							340
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 035





◀ VOLVO

1.4	1,4	47-53	B14	08.79-07.91	ZMS	0 986 356 798	B 798
1.7	1,7	61	B172K	07.85-10.91		0 986 356 744	B 744
440							
1.6	1,6	61	B16F Kat.	09.88-12.91		0 986 357 254	B W254
				01.92-07.97		0 986 356 852	B 852
1.7	1,7	58-64	B18K; B18KP	09.88-07.93		0 986 357 254	B W254
		70-75/78-80	B18EP; B18F Kat.; B18FP Kat.	09.88-07.94		0 986 356 852	B 852
1.8	1,7	88	B18FT Kat.	09.88-07.96		0 986 356 885	B 885
	1,8	66	B18U Kat.	09.91-07.97		0 986 356 852	B 852
2.0	2,0	80	B20F Kat.	09.92-12.96		0 986 356 852	B 852
460							
1.6	1,6	61	B16F Kat.	03.90-07.97		0 986 356 852	B 852
1.7	1,7	66	B18KP	03.90-07.97		0 986 357 254	B W254
		75/78	B18EP; B18FP Kat.	03.90-07.97		0 986 356 852	B 852
		88	B18FT Kat.	03.90-07.96		0 986 356 885	B 885
1.8	1,8	66	B18U Kat.	09.91-07.97		0 986 356 852	B 852
2.0	2,0	80	B20F Kat.	09.92-12.96		0 986 356 852	B 852
480							
1.7	1,7	75	B18FP Kat.	08.89-12.93		0 986 356 852	B 852
		88-90	B18FT Kat.	09.88-07.95		0 986 356 885	B 885
2.0	2,0	81	B20F Kat.	09.92-12.96		0 986 356 852	B 852
740							
2.0	2,0	82/88/114	B200E; B200F Kat.; B200FT Kat.	08.84-07.93		0 986 356 847	B 847
					WW	0 986 357 244	B W244
2.3	2,3	83-87/94/96/114-121	B230E; B230F Kat.; B230FT Kat.; B230G; B234G	08.84-07.95		0 986 356 847	B 847
					WW	0 986 357 244	B W244
760							
2.3	2,3	114-119	B230FT Kat.	08.84-07.92		0 986 356 847	B 847
					WW	0 986 357 244	B W244
2.8	2,8	105/108-125	B280E; B280F Kat.	05.86-07.91		0 986 357 220	B 220
					ZVD	0 986 356 804	B 804
780							
2.3	2,3	165-190	B230FT	08.88-07.91	WW	0 986 357 244	B W244
2.8	2,8	108-125	B280E; B280F Kat.	05.86-07.91	ZVD	0 986 357 220	B 220
					ZVM	0 986 356 804	B 804
850							
R	2,3	166-184	B5234T5	08.95-07.97		0 986 357 232	B W232
T-5	2,0	155	B5204FT Kat.	01.94-07.96		0 986 357 232	B W232
	2,3	160/166	B5234FT Kat.; B5234T Kat.	09.93-07.97		0 986 357 232	B W232
T-5R	2,3	177	B5234T Kat.	09.94-07.97		0 986 357 232	B W232
2.0	2,0	93	B5202S Kat.	09.94-12.96		0 986 357 054	B W054
		105/129-132/155	B5204S Kat.; B5204T Kat.; B5204T2 Kat.	09.91-07.97		0 986 357 232	B W232
2.3	2,3	120	B5234S Kat.	09.93-07.96		0 986 357 232	B W232
				09.97-07.98		0 986 357 232	B W232
2.5	2,4	103-106	B5252S Kat.	09.92-07.97		0 986 357 054	B W054
		125/140-142	B5254S Kat.; B5254T Kat.	09.91-07.97		0 986 357 232	B W232
940							
2.0	2,0	80-89/114	B200F Kat.; B200FT Kat.; B200G; B200GT .	09.91-09.98		0 986 356 847	B 847
					WW	0 986 357 244	B W244
		88-90	B200E	09.90-07.91		0 986 356 847	B 847
					WW	0 986 357 244	B W244
		100-103	B204E	09.90-07.91			
2.3	2,3	84/96-99/113-151	B230F Kat.; B230FD Kat.; B230FK Kat.; B230FT Kat.; B230FT4	09.90-10.98		0 986 356 847	B 847
					WW	0 986 357 244	B W244
		114	B234F Kat.	09.90-07.92			
960							
2.0	2,0	103	B204E	09.91-07.94		0 986 356 847	B 847
					WW	0 986 357 244	B W244
		140	B204FT Kat.	09.91-07.94			
2.3	2,3	121	B230FT Kat.	03.93-07.93		0 986 356 847	B 847
					WW	0 986 357 244	B W244



1	2	3	4	5	6	7	8
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019				0 986 356 035
0 986 356 055	0 986 356 056	0 986 356 056	0 986 356 057				
							440
							460
							480
							740
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
							760
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
							780
							850
							940
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
							960
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 129				0 986 356 192
0 986 356 131	0 986 356 130	0 986 356 129	0 986 356 128				0 986 356 192



V



◀ VOLVO

2.8	2,8	110/125	B280E; B280F Kat.	09.90-07.91	ZVD	0 986 357 220	B 220
					ZVM	0 986 356 804	B 804

VW (VOLKSWAGEN)

Bora

1.4	1,4	55	AHW; AKQ; APE; AXP	09.98-05.05		0 986 356 308	B 308
1.6	1,6	74	AEH; AKL; APF	09.98-05.05		0 986 356 359	B 359
		75	AVU	09.00-05.05		0 986 356 346	B 346
			BFQ	05.02-05.03		0 986 356 346	B 346
		77	ATN; AUS	08.99-10.00		0 986 356 308	B 308
			AZD	09.00-11.01		0 986 356 308	B 308
1.8	1,8	92	AGN	09.98-10.00		0 986 356 337	B 337
2.0	2,0	85	APK; AQY; AZH	09.98-05.05		0 986 356 359	B 359
			AZJ	05.01-05.05		0 986 356 345	B 345
2.3	2,3	110	AGZ	09.98-02.01		0 986 356 349	B 349
2.8	2,8	150	AQP; AUE	05.99-04.01		0 986 356 348	B 348

Bora Variant

1.4	1,4	55	AHW; AXP	05.00-05.05		0 986 356 308	B 308
1.6	1,6	74	AEH; AKL; APF	05.99-05.05		0 986 356 359	B 359
		75	AVU	09.00-05.05		0 986 356 346	B 346
			BFQ	05.02-05.03		0 986 356 346	B 346
		77	ATN; AUS	08.99-10.00		0 986 356 308	B 308
			AZD	09.00-11.01		0 986 356 308	B 308
1.8	1,8	92	AGN	05.99-10.00		0 986 356 337	B 337
2.0	2,0	85	APK; AQY; AZH	05.99-05.05		0 986 356 359	B 359
			AZJ	05.01-05.05		0 986 356 345	B 345
2.3	2,3	110	AGZ	05.99-02.01		0 986 356 349	B 349
2.8	2,8	150	AQP; AUE	05.99-04.01		0 986 356 348	B 348

Caddy

1.4	1,4	44	AEX; AKV; APQ	11.95-06.03		0 986 356 360	B 360
			AUD	09.00-06.03		0 986 356 312	B 312
		55	AUA	09.00-06.03		0 986 356 308	B 308
1.6	1,6	55	AEE	06.96-12.00		0 986 356 360	B 360
			EW	08.84-07.92		0 986 356 338	B 338
			1F	11.95-05.97		0 986 356 338	B 338
		72-75	CHGA <DF2>	05.11→		0 986 356 346	B 346
		75	BGU; BSE <MW6>	04.04-08.10		0 986 356 346	B 346
			BSF <MW6>	06.05-08.10		0 986 356 346	B 346
				10.10→		0 986 356 346	B 346
1.8	1,8	70	JH	08.85-07.92		0 986 356 338	B 338
2.0	2,0	80	BSX <D7R>	04.06-08.10		0 986 356 345	B 345
				10.10→		0 986 356 345	B 345

Corrado

1.8	1,8	118	PG	09.88-09.93		0 986 356 338	B 338
2.9	2,9	140	ABV	08.91-07.95		0 986 356 301	B 301

Golf I

1.6	1,6	51-55	EW, EWA	03.84-12.92		0 986 356 338	B 338
1.8	1,8	66/70/72/82	DX; EX; JH; 2H	08.84-08.93		0 986 356 338	B 338

Golf II

1.0	1,0	37	HZ	10.85-10.91		0 986 356 342	B 342
1.3	1,3	40	2G	01.89-07.92		0 986 356 342	B 342
1.6	1,6	51-53	EZ, EZA; PN; RF	08.84-07.92		0 986 356 338	B 338
1.8	1,8	66	GU	08.84-10.91		0 986 356 338	B 338
		66-72	1P	08.88-07.91		0 986 356 342	B 342
		66/77	RP; RV	08.87-11.92		0 986 356 338	B 338
		79/82	PB; PF	01.87-08.92		0 986 356 338	B 338
		95	PL	02.86-10.91		0 986 356 300	B 300
		102	KR	02.86-10.91		0 986 356 300	B 300
		118	PG	01.90-07.91		0 986 356 342	B 342



1 2 3 4 5 6 7 8

VW (VOLKSWAGEN)

Bora

0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729	
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729	
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732

Bora Variant

0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729	
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729	
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732

Caddy

0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944	0 356 904 068
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732	
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724	
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729	
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729	
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729	

Corrado

0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715 0 986 357 714

Golf I

0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068

Golf II

0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944	0 356 904 062
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944	0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944	0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883	0 356 904 068
				0 356 912 993
				0 356 912 993
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944	0 356 904 062





◀ VW

Golf III								
1.4	1,4	40-44	ABD	11.91-07.95	0 986 356 358	B 358		
		44	AEX; APQ	07.95-02.99	0 986 356 360	B 360		
1.6	1,6	55	ABU; AEA	09.92-12.97	0 986 356 343	B 343		
			AEE	07.95-12.97	0 986 356 360	B 360		
1.8	1,8	55/66	AAM; ABS	11.91-02.99	0 986 356 342	B 342		
		66	ADZ	10.94-02.99	0 986 356 339	B 339		
2.0	2,0	85	ADY; AGG	10.94-02.99	0 986 356 339	B 339		
			AKR	04.97-04.98	0 986 356 339	B 339		
				05.97-02.99				
2.8	2,8	120	2E	11.91-09.94	0 986 356 342	B 342		
			AAA	07.94-12.97	0 986 356 301	B 301		
		128	AAA	01.92-12.97	0 986 356 384	B 384		
2.9	2,9	140	ABV	01.94-12.97	0 986 356 301	B 301		
Golf IV								
1.4	1,4	55	AHW; AKQ; APE; AXP	10.97-05.04	0 986 356 308	B 308		
1.6	1,6	74	AEH	10.97-12.05	0 986 356 359	B 359		
			AKL	10.97-12.05	0 986 356 359	B 359		
			APF	05.99-08.00	0 986 356 359	B 359		
		75	AVU	09.00-05.04	0 986 356 346	B 346		
			BFQ	05.02-05.04	0 986 356 346	B 346		
			77	ATN; AUS	11.99-10.00	0 986 356 308	B 308	
				AZD	09.00-11.01	0 986 356 308	B 308	
1.8	1,8	55	AAM	04.98-10.00	0 986 356 342	B 342		
			ANN	04.98-10.00	0 986 356 342	B 342		
		66	ADZ	04.98-10.00	0 986 356 339	B 339		
			ANP	04.98-10.00	0 986 356 339	B 339		
2.0	2,0	85	AGN	10.97-10.00	0 986 356 337	B 337		
			AGG; AKR	04.98-12.01	0 986 356 339	B 339		
			APK; AQY	08.98-04.01	0 986 356 359	B 359		
				05.01-05.04	0 986 356 331	B 331		
			ATU; AWF; AWG	06.99-06.02				
		AZG	05.01-04.02	0 986 356 345	B 345			
		AZH	04.00-04.01	0 986 356 359	B 359			
			05.01-06.01	0 986 356 331	B 331			
	AZJ; BEH	05.01-06.05	0 986 356 345	B 345				
2.3	2,3	110	AGZ	10.97-02.01	0 986 356 318	B 318		
2.8	2,8	150	AQP; AUE	05.99-04.01	0 986 356 348	B 348		
Golf IV Variant								
1.4	1,4	55	AHW; AKQ; APE; AXP	05.99-06.06	0 986 356 308	B 308		
1.6	1,6	74	AEH; AKL; APF	05.99-06.06	0 986 356 359	B 359		
			AVU	09.00-06.06	0 986 356 346	B 346		
		75	BFQ	05.02-06.06	0 986 356 346	B 346		
			77	ATN; AUS	05.99-10.00	0 986 356 308	B 308	
	AZD	09.00-11.01		0 986 356 308	B 308			
1.8	1,8	92	AGN	05.99-07.00	0 986 356 337	B 337		
2.0	2,0	85	APK; AQY; AZH	05.99-04.01	0 986 356 359	B 359		
				05.01-06.06	0 986 356 331	B 331		
			AZJ; BEH	05.01-06.06	0 986 356 345	B 345		
2.3	2,3	110	AGZ	05.99-02.01	0 986 356 318	B 318		
2.8	2,8	150	AQP; AUE	05.99-04.01	0 986 356 348	B 348		
Golf Plus								
1.6	1,6	72-75	BSE <MW6>; BSF; BSF <MW6>; CCSA; CCSA <MW6>; CHGA <DF2>	05.05→	0 986 356 346	B 346		
Golf V								
1.6	1,6	75	BGU; BSE <MW6>; BSF	01.04-11.08	0 986 356 346	B 346		
Golf VI								
1.6	1,6	72-75	BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>; CMXA <MW6>	10.08→	0 986 356 346	B 346		
Jetta								
1.3	1,3	40	NZ; 2G	02.87-07.92	0 986 356 342	B 342		
1.6	1,6	51-55	EZ; EZA; PN; RF	08.84-07.92	0 986 356 338	B 338		
		55	ABN	08.91-07.92	0 986 356 342	B 342		
		74	AKL	09.99-12.05	0 986 356 359	B 359		
		75	BSE <MW6>; BSF <MW6>; CCSA <MW6>	10.05-10.10	0 986 356 346	B 346		



1	2	3	4	5	6	7	8	
								Golf III
0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987					0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			0 356 904 068
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			0 356 904 068
								Golf IV
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					0 356 904 068
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					0 356 904 068
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
								0 356 904 062
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732				
								Golf IV Variant
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732				
								Golf Plus
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								Golf V
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								Golf VI
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								Jetta
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					





◀ VW							
1.8	1,8	66/72/82	GU; PB; RP; 1P		08.84-07.92	0 986 356 338	B 338
2.0	2,0	85	APK		09.99-12.05	0 986 356 359	B 359
Lupo							
1.0	1,0	37	AER		10.98-05.00	0 986 356 360	B 360
			ALD		10.98-07.05	0 986 356 341	B 341
			ALL		10.98-05.00	0 986 356 360	B 360
			ANV		10.98-05.00	0 986 356 341	B 341
			AUC		05.00-07.05	0 986 356 312	B 312
1.4	1,4	44	AUD		09.00-07.05	0 986 356 312	B 312
		55/74	AFK; AHW; AKQ; APE; AQQ; AUA		10.98-05.04	0 986 356 308	B 308
		74	AUB		05.00-07.05	0 986 356 308	B 308
1.6	1,6	92	AVY		05.00-07.05	0 986 356 308	B 308
New Beetle							
1.6	1,6	74	AWH		10.99-10.00	0 986 356 359	B 359
		75	AYD; BFS <MW6>		06.00-12.10	0 986 356 346	B 346
2.0	2,0	85	AEG; APK; AQY		01.98-06.05	0 986 356 359	B 359
			AVH; AZG; AZJ <MR4>; BDC; BEJ		08.00-09.10	0 986 356 345	B 345
			BER		01.03-06.07		
			BEV <ML5>; BGD		01.03-10.10	0 986 356 345	B 345
			BHP; CBPA <ML5>		07.03-09.10		
Passat							
1.6	1,6	55	ABN		09.91-07.92	0 986 356 338	B 338
					KOB		
			EZ		04.88-09.91	0 986 356 338	B 338
		74	ADP		10.96-11.00	0 986 356 304	B 304
			AHL		10.96-11.00	0 986 356 359	B 359
			ANA		07.99-11.00	0 986 356 359	B 359
			ARM		01.99-11.00	0 986 356 359	B 359
		75	ALZ		10.00-05.05	0 986 356 359	B 359
			BSE <MW6>; BSF <MW6>		03.05-11.10	0 986 356 346	B 346
1.8	1,8	55	AAM		08.90-03.97	0 986 356 338	B 338
		66	ABS		08.91-09.94	0 986 356 342	B 342
			ADZ		10.94-03.97		
			RP		04.88-07.91	0 986 356 338	B 338
		118	PG		09.89-08.94	0 986 356 338	B 338
2.0	2,0	85	ADY		10.94-07.95		
			AGG		07.95-03.97		
					AA	0 986 356 339	B 339
			AZM		10.00-05.05		
			2E		03.90-09.94	0 986 356 342	B 342
		100	9A		08.88-09.93	0 986 356 300	B 300
2.3	2,3	110	AGZ		10.96-10.97	0 986 356 318	B 318
					06.97-11.00	0 986 356 349	B 349
2.8	2,8	128	AAA		06.91-03.97	0 986 356 384	B 384
		132/140/142	ACK; AGE; ALG; AMX; APR; AQD; ATQ; BBG		01.97-05.05	0 986 356 321	B 321
2.9	2,9	135	ABV		01.94-03.97	0 986 356 301	B 301
Polo							
1.0	1,0	33	AAU; ACM		10.90-09.94	0 986 356 369	B 369
			AEV		10.94-12.99	0 986 356 357	B 357
			HZ		08.85-01.92	0 986 356 369	B 369
		37	AER		03.96-12.99	0 986 356 343	B 343
			ALD				
			→ Fg.Nr. 6N-Y-050 000		07.98-09.01	0 986 356 341	B 341
			Fg.Nr. 6N-Y-050 001 →		07.98-09.01	0 986 356 312	B 312
			ALL		05.97-12.99	0 986 356 343	B 343
			AUC		10.99-09.01	0 986 356 312	B 312
1.3	1,3	40	AAV		01.91-09.94	0 986 356 369	B 369
			ADX		10.94-07.95	0 986 356 357	B 357
					07.96-12.99		
		40/56-59/85	NZ; PY; 2G; 3F		10.90-09.94	0 986 356 369	B 369
1.4	1,4	40	AKP				
			→ Fg.Nr. 6N-Y-050 000		09.98-09.01	0 986 356 341	B 341
			Fg.Nr. 6N-Y-050 001 →		09.98-09.01	0 986 356 312	B 312



1	2	3	4	5	6	7	8
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
							Lupo
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				0 356 904 070
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				0 356 904 070
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				0 356 904 070
							New Beetle
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
							Passat
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 882	0 356 912 883	0 356 912 884	0 356 912 885				0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 943				
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 943				
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 986 357 733	0 986 357 733	0 986 357 731	0 986 357 729				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
							0 356 912 993
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732			
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		0 356 904 068
							Polo
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731				





◀ VW

1.4	1,4	40-44	AEX	07.95-12.99	0 986 356 343	B 343
		44	AKK			
			→ Fg.Nr. 6N-Y-050 000	09.98-09.01	0 986 356 341	B 341
			Fg.Nr. 6N-Y-050 001 →	09.98-09.01	0 986 356 312	B 312
				10.99-09.01	0 986 356 312	B 312
			AKV	05.97-12.99	0 986 356 343	B 343
			ANW	10.99-08.00	0 986 356 312	B 312
			ANX	01.98-12.99	0 986 356 343	B 343
			APQ	11.97-12.99	0 986 356 343	B 343
			AUD	10.99-09.01	0 986 356 312	B 312
		55	AHW	01.99-09.01	0 986 356 308	B 308
			APE	10.99-12.00	0 986 356 308	B 308
		55/74	AUA; AUB	10.99-01.02	0 986 356 308	B 308
		74	AFH	04.96-12.99	0 986 356 309	B 309
			AFK	09.98-09.01	0 986 356 308	B 308
1.6	1,6	55	AEA	10.94-07.95	0 986 356 357	B 357
			AEE	07.95-12.99	0 986 356 343	B 343
			AHS	03.96-12.99	0 986 356 343	B 343
			ALM	07.98-09.01	0 986 356 343	B 343
		74	AEH	10.99-09.01	0 986 356 359	B 359
			AKL	10.99-09.01	0 986 356 359	B 359
			APF	03.00-10.00	0 986 356 331	B 331
			AUR	07.00-09.01	0 986 356 331	B 331
		88	AJV	04.98-12.99	0 986 356 308	B 308
		92	ARC	11.99-09.01	0 986 356 308	B 308
			AVY	05.00-09.01	0 986 356 308	B 308
2.0	2,0	85	BBX	07.03-05.07	0 986 356 331	B 331
Scirocco						
1.6	1,6	55	EW	08.84-07.92	0 986 356 338	B 338
1.8	1,8	66/68-70/82	DX; EX; JH	08.84-07.92	0 986 356 338	B 338
Sharan						
2.0	2,0	85	ADY	09.95-02.00	0 986 356 350	B 350
			ATM	05.00-03.10	0 986 356 331	B 331
2.8	2,8	128	AAA	09.95-02.00	0 986 356 384	B 384
Touran						
1.6	1,6	75	BGU; BSE <MW6>; BSF	07.03-05.10	0 986 356 346	B 346
2.0	2,0	80	BSX	02.06-05.10	0 986 356 345	B 345
T3 (Bus,Transporter)						
2.1	2,1	68	SS	08.89-07.92	0 986 356 342	B 342
		70	MV	08.85-07.92		
		82	DJ	01.86-07.92		
T4 (Bus,Transporter)						
1.8	1,8	49	PD	12.90-07.92	0 986 356 338	B 338
					0 986 356 343	B 343
2.0	2,0	62	AAC	09.90-07.92	0 986 356 357	B 357
				08.92-06.03		
2.5	2,5	81	AAF	11.90-12.93		
				11.92-12.93	AA	
			ACU; AEN	01.94-10.96	0 986 356 371	B 371
			AEU	08.96-06.03	0 986 356 340	B 340
		85	AET	05.96-06.03	0 986 356 371	B 371
				08.96-06.03	0 986 356 340	B 340
2.8	2,8	103/150	AES; AMV	01.96-06.03	0 986 356 347	B 347
T5 (Bus,Transporter)						
2.0	2,0	85	AXA <MOR>	06.03-11.09	0 986 356 331	B 331
				09.09→	0 986 356 359	B 359
			AXA <MOR>	09.09→	0 986 356 359	B 359
Vento						
1.4	1,4	44	ABD	11.91-07.95	0 986 356 342	B 342
			AEX	07.95-12.97	0 986 356 360	B 360





1	2	3	4	5	6	7	8	
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731					
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 731	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					Scirocco 0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
Sharan								
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			
Touran								
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
T3 (Bus, Transporter)								
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 888	0 356 912 888	0 356 912 886	0 356 912 886					0 356 904 062
0 356 912 888	0 356 912 888	0 356 912 886	0 356 912 886					0 356 904 062
T4 (Bus, Transporter)								
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887					0 356 904 068
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 061
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 945	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 986 357 738	0 986 357 737	0 986 357 738	0 986 357 734	0 986 357 737	0 986 357 731			
T5 (Bus, Transporter)								
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
Vento								
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068





◀ VW							
1.6	1,6	55	ABU	09.92-09.94	0 986 356 342	B 342	
			AEA	10.94-07.95	0 986 356 357	B 357	
			AEE	07.95-12.97	0 986 356 360	B 360	
1.8	1,8	55/66	AAM; ABS	11.91-12.97	0 986 356 342	B 342	
		66	ADZ	10.94-12.97	0 986 356 339	B 339	
2.0	2,0	85	ADY; AGG; AKR	10.94-12.97	0 986 356 339	B 339	
			2E	11.91-09.94	0 986 356 342	B 342	
2.8	2,8	120	AAA	07.94-12.97	0 986 356 301	B 301	
		128	AAA	01.92-12.97	0 986 356 384	B 384	

WARTBURG

1.3							
1.3	1,3	43	VW-Motor	09.88-05.91	0 986 356 338	B 338	

ZASTAVA (YUGO)

Yugo							
45	0,9	33		04.80-12.93			





1	2	3	4	5	6	7	8
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		0 356 904 068
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		

WARTBURG

							1.3
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068

ZASTAVA (YUGO)









							Yugo
0 986 356 023	0 986 356 021	0 986 356 019	0 986 356 019				0 986 356 040









Z

AG	For vehicles with automatic transmission
BO	Bosch, only as replacement for Bosch equipment
CSA	Product can also be ordered online "www.partbob.com"
EU5	For vehicles with emission standard Euro 5
GA	Straight
GO	Angled
GS	For vehicles with manual transmission
HI	Rear
KL	For vehicles with air conditioner
KL	For vehicles without air conditioner
KZL	Replacement for short ignition cable
LH	For vehicles with power steering
LLE	For LHD vehicles
LZL	Replacement for long ignition cable
MAR	Interchangeable Bosch product or part for Marelli
MLK	For vehicles with power steering and air conditioner
MMS	With vermin repeller
MMS	Without rodent repeller
MZV	For engine with ignition distributor
MZV	For engine without ignition distributor

NKE	Secondary spark plug
OE	Installed at top
PSM	For Paul Smith ignition cables
PSM	Not for Paul Smith ignition cables
RBE	Slightly differing specification from Silicone Copper, packed in plastic bag
RBV	Without distributor connector in scope of delivery, packed in plastic bag
RLE	For RHD vehicles
SEE	Installed on side
TW	The product fitted must be identified on the vehicle or engine
VO	Front
WCP	For breaker-triggered ignition system
WW	Optional
XDW	For cylinders 2 and 3
ZMB	For ignition coil with DIN connection
ZMM	For ignition coil with M4 connection
ZMS	For ignition coil with SAE pin
ZVD	For ignition distributor/coil with DIN connection
ZVM	For ignition distributor with M4 connection
ZVS	For ignition distributor/coil with SAE connection









	Passenger cars / Small vans
	Capacity in l/ccm
	Engine power output in kW
	Engine type
	Chassis-No.
	Export market
	Date / Production period
	Special case







	Ignition-cable set
	Ignition distributor / spark plug
	Ignition coil / ignition distributor
	Spark-plug connector
	Ignition-distributor connector
	Ignition-coil connector



AG	Pour véhicules avec boîte automatique
BO	Bosch, uniquement comme remplacement pour équipement Bosch
CSA	Produit disponible également en ligne "www.partbob.com"
EU5	Pour véhicules avec norme antipollution Euro 5
GA	Droit
GO	Coudé
GS	Pour véhicules avec boîte manuelle
HI	Arrière
KL	Pour véhicules avec climatiseur
KL	Pour véhicules sans climatiseur
KZL	Remplacement pour câble d'allumage court
LH	Pour véhicules avec direction assistée
LLE	Pour véhicules avec direction à gauche
LZL	Remplacement pour câble d'allumage long
MAR	Produit Bosch équivalent ou pièce pour Marelli
MLK	Pour véhicules avec direction assistée et climatiseur
MMS	Avec protection anti-martres
MMS	Sans protection anti-martres
MZV	Pour moteur avec allumeur
MZV	Pour moteur sans allumeur

NKE	Bougie auxiliaire
OE	Monté en haut
PSM	Pour câbles d'allumage Paul Smith
PSM	Pas pour câbles d'allumage Paul Smith
RBE	Spécification légèrement différente de Silicone-Copper, emballage sachet PE
RBV	Sans connecteur d'allumeur fourni, emballage sachet PE
RLE	Pour véhicules avec direction à droite
SEE	Monté latéralement
TW	Le produit monté doit être déterminé sur le véhicule ou le moteur.
VO	Avant
WCP	Pour système d'allumage à commande par contact
WW	Au choix
XDW	Pour cylindres 2 et 3
ZMB	Pour bobine d'allumage à raccord DIN
ZMM	Pour bobine d'allumage à raccord M4
ZMS	Pour bobine d'allumage avec tige SAE
ZVD	Pour allumeur/bobine d'allumage à raccord DIN
ZVM	Pour allumeur à raccord M4
ZVS	Pour allumeur/bobine d'allumage à raccord SAE

	Voiture particulière / véhicule utilitaire léger
	Cylindrée en l/cm ³
	Puissance du moteur en kW
	Type de moteur
	Numéro de châssis
	Pays d'exportation
	Date / période de montage
	Cas spécial

	Jeu de câbles d'allumage
	Allumeur / bougie d'allumage
	Bobine d'allumage / allumeur
	Embout de bougie d'allumage
	Connecteur d'allumeur
	Connecteur de bobine d'allumage



AG	Per veicoli con cambio automatico
BO	Solo come ricambio per l'equipaggiamento Bosch
CSA	Prodotto ordinabile anche online "www.partbob.com"
EU5	Per veicoli con norma sui gas di scarico Euro 5
GA	Diritto
GO	Piegato
GS	Per veicoli con cambio meccanico
HI	Posteriore
KL	Per veicoli con climatizzatore
KL	Per veicoli senza climatizzatore
KZL	Ricambio per cavi di accensione corti
LH	Per veicolo con servosterzo
LLE	Per guida a sinistra
LZL	Ricambio per cavo di accensione lungo
MAR	Prodotto Bosch equivalente o pezzo per Marelli
MLK	Per veicoli con servosterzo e climatizzatore
MMS	Con protezione antiodori
MMS	Senza protezione antiodori
MZV	Per motore con distributore di accensione
MZV	Per motore senza distributore di accensione

NKE	Candela di accensione secondaria
OE	Montato in alto
PSM	Per fili di accensione Paul Smith
PSM	Non per fili di accensione Paul Smith
RBE	Specifica leggermente diversa da Silicone-Copper, imballaggio in sacchetto PE
RBV	Spina del distributore non compresa nella fornitura, imballaggio in sacchetto PE
RLE	Per guida a destra
SEE	Montaggio laterale
TW	Il prodotto montato deve essere rilevato sul veicolo o sul motore.
VO	Anteriore
WCP	Per impianto di accensione con comando a contatto
WW	A scelta
XDW	Per cilindro 2 e 3
ZMB	Per bobina di accensione con collegamento DIN
ZMM	Per bobina di accensione con collegamento M4
ZMS	Per bobina di accensione con spina SAE
ZVD	Per distributore/bobina di accensione con collegamento DIN
ZVM	Per distributore di accensione con collegamento M4
ZVS	Per distributore/bobina di accensione con collegamento SAE



Autovettura / furgone



Cilindrata in l/ccm



Potenza motore in kW



Tipo motore



N. di telaio



Paese d'esportazione



Data / Periodo di montaggio



Caso specifico



Kit cavo d'accensione



Distributore d'accensione / candela d'accensione



Bobina d'accensione / distributore d'accensione



Spina candela d'accensione



Spina per distributore d'accensione

















Spina per bobine d'accensione



AG	Para vehículos con cambio automático
BO	Bosch, sólo como producto de sustitución para el equipo Bosch
CSA	Producto también por pedido online "www.partbob.com"
EU5	Para vehículos con norma de gases de escape EURO 5
GA	Recto
GO	Acodado
GS	Para vehículos con cambio manual
HI	Trasero
KL	Para vehículos con acondicionador de aire
KL	Para vehículos sin acondicionador de aire
KZL	Sustituto para cable de encendido corto
LH	Para vehículos con servodirección
LLE	Para dirección a la izquierda
LZL	Reemplazo para cable de contacto largo
MAR	Producto o pieza Bosch de dimensiones idénticas para Marelli
MLK	Para vehículos con servodirección y con acondicionador de aire
MMS	Con protección contra martas
MMS	Sin protección contra martas
MZV	Para motor con distribuidor de encendido
MZV	Para motor sin distribuidor de encendido

NKE	Bujía secundaria
OE	Montado arriba
PSM	Para los cables de encendido Paul Smith
PSM	No para los conductos de encendido Paul Smith
RBE	Especificación con una diferencia mínima respecto a Silicone-Copper, embalaje en bolsa PE
RBV	Sin enchufe de distribución en el volumen de suministro, embalaje en bolsa PE
RLE	Para vehículos de volante a la derecha
SEE	Montaje lateral
TW	El producto montado se debe determinar en el vehículo o en el motor.
VO	Delante
WCP	Para instalación de encendido controlado por contacto
WW	A elección
XDW	Para cilindro 2 y 3
ZMB	Para bobina de encendido con conexión DIN
ZMM	Para bobina de encendido con conexión M4
ZMS	Para bobina de encendido con pasador SAE
ZVD	Para distribuidor/bobina de encendido con conexión DIN
ZVM	Para distribuidor de encendido con conexión M4
ZVS	Para distribuidor/bobina de encendido con conexión SAE

	Turismo / furgoneta
	Cilindrada en l/ccm
	Potencia del motor en kW
	Tipo de motor
	Número de chasis
	País de exportación
	Fecha / periodo de fabricación
	Caso especial

	Juegos de cables antiparasitarios
	Distribuidor de encendido / bujía de encendido
	Bobina de encendido / distribuidor de encendido
	Terminal de bujías
	Terminal de distribuidor de encendido
	Terminal de bobina de encendido



AG	Für Fahrzeuge mit automatischem Getriebe
BO	Bosch, nur als Ersatz für Bosch-Ausrüstung
CSA	Erzeugnis auch online bestellbar "www.partbob.com"
EUS	Für Fahrzeuge mit Abgasnorm Euro 5
GA	Gerade
GO	Abgewinkelt
GS	Für Fahrzeuge mit Handschaltgetriebe
HI	Hinten
KL	Für Fahrzeuge mit Klimaanlage
KL	Für Fahrzeuge ohne Klimaanlage
KZL	Ersatz für kurze Zündleitung
LH	Für Fahrzeuge mit Lenkhilfe
LLE	Für Linkslenker
LZL	Ersatz für lange Zündleitung
MAR	Einbaugleiches Bosch-Erzeugnis oder Teil für Marelli
MLK	Für Fahrzeuge mit Lenkhilfe und Klimaanlage
MMS	Mit Marderschutz
MMS	Ohne Marderschutz
MZV	Für Motor mit Zündverteiler
MZV	Für Motor ohne Zündverteiler

NKE	Nebenzündkerze
OE	Oben eingebaut
PSM	Für Paul Smith Zündleitungen
PSM	Nicht für Paul Smith Zündleitungen
RBE	Geringfügig abweichende Spezifikation zu Silicone-Copper, Verpackung PE-Beutel
RBV	Ohne Verteilerstecker im Lieferumfang, Verpackung PE-Beutel
RLE	Für Rechtslenker
SEE	Seitlich eingebaut
TW	Eingebautes Erzeugnis muss am Fahrzeug oder Motor ermittelt werden.
VO	Vorne
WCP	Für kontaktgesteuerte Zündanlage
WW	Wahlweise
XDW	Für Zylinder 2 und 3
ZMB	Für Zündspule mit DIN-Anschluss
ZMM	Für Zündspule mit M4-Anschluss
ZMS	Für Zündspule mit SAE Stift
ZVD	Für Zündverteiler/-Spule mit DIN-Anschluss
ZVM	Für Zündverteiler mit M4-Anschluss
ZVS	Für Zündverteiler/-Spule mit SAE-Anschluss

	Pkw / Kleintransporter
	Hubraum in l/ccm
	Motorleistung in kW
	Motortyp
	Fahrgestellnummer
	Exportland
	Datum / Einbauzeitraum
	Sonderfälle

	Zündleitungs-Set
	Zündverteiler / Zündkerze
	Zündspule / Zündverteiler
	Zündkerzenstecker
	Zündverteilerstecker
	Zündspulenstecker

