



- PRODUCTS and SOLUTIONS for Commercial Vehicles
- APPLICATIONS for Vehicle Manufacturing
- ORIGINAL QUALITY for Repair



PRODUCT CATALOGUE

Products, Spare Parts, References



Edition 1

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WABCO
Vehicle Control Systems

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This product catalogue provides you with an overview of the products offered by WABCO for the installation in a variety of vehicles.

It shows an extract of our delivery programme. You will find further information about our products in our online product catalogue INFORM at www.wabco-auto.com

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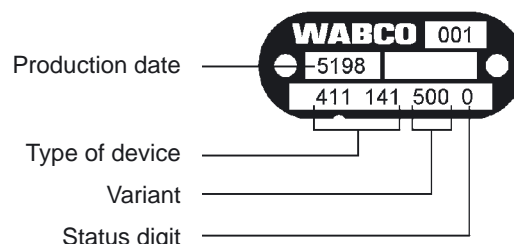
WABCO reserves at any time to change his product programme and can not ensure the ability to deliver of any product. The terms of delivery can be obtained from your WABCO contact person.

Figures are not used for product identification because products may look the same. The 10-digit WABCO product number on the type label is used for identification.

Structure of WABCO number

WABCO product numbers are composed of 10 digits.

There are deviations where wheel brakes are concerned. (Product Number Extension VT = saleable Spare Part)



- 0 = New device (complete device)
- 1 = New device (subassembly)
- 2 = Repair kit or subassembly
- 4 = Component part
- 7 = Exchange unit

Repair

Repairs must be made by qualified expert technicians with specific knowledge of the system only.

It is imperative that the applicable accident prevention regulations of the company as well as national regulations are observed.

It is imperative that the vehicle manufacturer's specifications and instructions are complied with.

Adjustment

Even where devices have the same product number, they may have different operating principles. Electronic control units especially are often produced universally and then adjusted for a particular application by the vehicle manufacturer setting corresponding parameters. If a replacement is required the device must be calibrated or parameterized with diagnosis equipment. Therefore you need to attend an adequate system training course and have the knowledge of special settings.

Apart from electronic control units, automatic load-dependent brake-power distribution is also likely to require special adjustments and settings.

Test

After replacing or repairing a device, a functional test of the entire system must be performed.

It is imperative that universal devices are tested on the basis of the vehicle manufacturer's data (such as LSV label, brake calculation etc.).

Perform a test drive after finishing work on the vehicle.

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Compressed Air Generating System

1

1.01 Compressor (Single Cylinder)

411 003 011 0 150 cm³. Lubrication: Manually operated. 2600 1/min

Cross Ref. Krone (9454430); DAF(1505905)

411 034 501 0 229 cm³, circular pressure lubrication, air cooled 2800 1/min, Flange: Vickers

Repair Kit 411 034 005 2



411 141 000 0 159 cm³, circular pressure lubrication, air cooled, 3000 1/min

Exchange Unit 411 141 000 7

Repair Kit 411 140 002 2



411 141 002 0 159 cm³, circular pressure lubrication, air cooled. 3000 1/min

Repair Kit 411 140 002 2

411 141 004 0 159 cm³, circular pressure lubrication, air cooled, 3000 1/min. Belt pulley

Cross Ref. RVI (7700051784)

411 141 010 0 159 cm³, circular pressure lubrication, air cooled, 3000 1/min. Agriculture

411 141 100 0 159 ccm. Electrical clutch

Cross Ref. John Deere (AL167622A)



411 141 503 0 159 cm³, circular pressure lubrication, air cooled 3000 1/min

Repair Kit 411 140 002 2



411 143 805 0 293 cm³, circular pressure lubrication, air cooled 3000 1/min

Exchange Unit 411 143 805 7

Repair Kit 411 142 002 2

411 146 003 0 229 cm³, circular pressure lubrication, air cooled 3000 1/min, flange fixation

Repair Kit 411 146 000 2



411 151 003 0 238 cm³, circular pressure lubrication, water cooled 3000 1/min, Flange mounted compressor

Cross Ref. Mercedes (A9061302815)

Repair Kit 411 151 922 2 (Cylinder-head)



411 154 000 0 352 cm³, circular pressure lubrication, water cooled 3000 1/min, flange fixation

Cross Ref. Mercedes (A9061302915)

Repair Kit 411 154 001 2 (Cylinderhead)

412 352 003 0 352 cm³, circular pressure lubrication, water cooled 3000 1/min, flange fixation, Through drive

Cross Ref. MAN (51541007005)

Repair Kit 412 352 924 2 (Cylinder-head)



412 352 008 0 352 cm³, circular pressure lubrication, water cooled 3000 1/min, 3-hole flange. Through drive

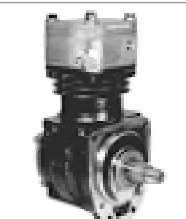
Vehicle Applic. Iveco

Repair Kit 412 352 005 2

911 145 560 0 221 cm³. circular pressure lubrication, water cooled, 3000 1/min

Vehicle Applic. Iveco

Alternative for 911 145 500 0



1.02 Compressor (Twin Cylinder)

412 636 001 0	636 cm³, circular pressure lubrication, water cooled, 3000 1/min. Flange mounted compressor with gearwheel. Flange: Vickers
Cross Ref.	Mercedes (A 906 130 16 15)
Repair Kit	412 636 920 2 (Cylinderhead)

911 506 054 0	440 cm³, circular pressure lubrication, water cooled, 3000 1/min
Vehicle Applic.	Iveco
Alternative for	911 503 050 0, 911 506 050 0



1.03 Compressor Unit

415 402 202 0	12 V, 40 A. Quantity delivered 35 l/min / 6 bar, Operating pressure 8.5 bar max.
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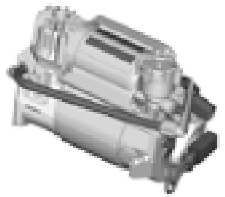
415 403 402 0	Air Compressing System, 12 V, 18 l/min (10 bar)
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415 402 203 0	24 V, 20 A. Quantity delivered 35 l/min / 6 bar, Operating pressure 8.5 bar max.
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415 403 112 0	Air Compressing System, 12 V, 420 W max., 18 l/min (10 bar)
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Cross Ref.	Mercedes (2113200304)
Alternative for	415 403 104 0



1.04 Unloader

975 303 040 0	M 22x1.5. Cut-out pressure 7.3 ±0.2 bar
----------------------	--

Cross Ref.	Knorr (DR1102), Knorr (DR1108), Knorr (DR1117), Knorr (DR1118)
Vehicle Applic.	DAF
Exchange Unit	975 303 040 7
Repair Kit	975 303 000 2



975 303 081 0	M 22x1.5. Cut-out pressure 9.5 ±0.2 bar
----------------------	--

Vehicle Applic.	Iveco
Exchange Unit	975 303 081 7
Replacement for	975 303 080 0
Repair Kit	975 303 000 2

975 303 060 0	M 22x1.5. Cut-out pressure 8.1 ±0.2 bar
----------------------	--

Vehicle Applic.	DAF, Renault-VI
Exchange Unit	975 303 060 7
Repair Kit	975 303 000 2

975 303 447 0	M 22x1.5. Cut-out pressure 7.3 ±0.2 bar
----------------------	--

Cross Ref.	Haldex (312017012)
Vehicle Applic.	Iveco, Renault-VI, TAM
Exchange Unit	975 303 447 7
Replacement for	975 300 111 0
Alternative for	475 304 201 0
Repair Kit	975 303 001 2



975 303 072 0	M 22x1.5. Cut-out pressure 8.5 ±0.2 bar
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Cross Ref.	Knorr (DR1102), Knorr (DR1108), Knorr (DR1117), Knorr (DR1118)
Repair Kit	975 303 000 2

975 303 473 0	M 22x1.5. Cut-out pressure 8.1 ±0.2 bar
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Vehicle Applic.	EVO-Bus, FAP, Foden, IKARBUS, Kraz, Maz, Mercedes, Neoplan, Renault-VI, Roman, Sanos, TAM
Exchange Unit	975 303 473 7



Alternative for 975 300 110 0
 Repair Kit 975 303 001 2

975 303 474 0 M 22x1.5. Cut-out pressure 8.1 ±0.2 bar. Tyre inflation port
 Vehicle Applic. Mercedes, Taz
 Exchange Unit 975 303 474 7
 Repair Kit 975 303 001 2

975 303 503 0 M 22x1.5. Cut-out pressure 10 ±0.2 bar
 Vehicle Applic. Mercedes
 Exchange Unit 975 303 503 7
 Repair Kit 975 303 001 2

1.05 Vacuum Pump

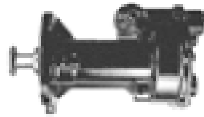
414 001 002 0 95 cm³. Type of operation: Rotary, Port threads 1/4"-18 NPTF (Air), 1/8"-27 NPTF (Oil)

914 004 001 0 50 cm³. Type of operation: Rotary. Port threads 1/4"-18 NPTF (Air), 1/8"-27 NPTF (Oil)
 Vehicle Applic. Ford Transit



914 004 005 0 50 cm³. Type of operation: Rotary
 Vehicle Applic. Ford 2.4 Diesel

914 005 061 0 85 cm³. Type of operation: Piston
 Vehicle Applic. Land Rover 2.5




914 030 003 0 190 cm³. Type of operation: Rotary



Air Processing

2.01 Air Dryer (Single Cannister)

432 410 007 0	Cut-out pressure 8.5 bar. Heater 24 V. Electrical connections Kostal M 27x1. Exhaust Snap-on contour	
Vehicle Applic.	ERF	
Repair Kit	432 410 001 2 (for part of combined unloader)	

432 410 020 2	to 13 bar. Port M 39x1.5	
Cross Ref.	Iveco (174767), Iveco (1907612), Iveco (8190948), Iveco (E4420001838)	
Vehicle Applic.	DAF, Dennis, EVO-Bus, Mercedes, MAN	
Exchange Unit	432 410 222 7	


432 410 021 0	Cut-out pressure 9.5 bar, without heating. Exhaust Snap-on contour	
Vehicle Applic.	Iveco	
Exchange Unit	432 410 021 7	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 031 0	Cut-out pressure 7.8 bar, without heating. Exhaust Snap-on contour	
Vehicle Applic.	Iveco	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	


432 410 035 0	Cut-out pressure 11 bar. Heater 24 V, Electrical connections Bayonet, Exhaust Snap-on contour	
Vehicle Applic.	Iveco, PEGASO	
Alternative for	432 410 023 0	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 041 0	Cut-out pressure 8.5 bar. Heater 24 V. Electrical connections Kostal M 27x1. Exhaust Snap-on contour	
Vehicle Applic.	Mercedes	
Exchange Unit	432 410 041 7	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 042 0	Cut-out pressure 8.5 bar. Heater 24 V. Electrical connections Kostal M 27x1. for Voss 230. Exhaust Snap-on contour	
Exchange Unit	432 410 042 7	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 083 0	Cut-out pressure 9.3 bar. Heater 24 V	
Exchange Unit	432 410 083 7	
Alternative for	432 410 081 0	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 087 0	Cut-out pressure 12 ±0.2 bar. Heater 24 V. with WABCO Cartridge	
Replacement for	432 410 071 0	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 102 0	Cut-out pressure 8.1 bar. Heater 24 V. Electrical connections Kostal M 27x1. Exhaust Snap-on contour	
Vehicle Applic.	DAF 95 series, Dennis Dart Bus; EVOBus Setra; Kamaz 4308, 07, 6460, 6520, 6522, 5460; Neoplan Skyliner, Transliner; PAZ 32053, 4230, 4234	
Exchange Unit	432 410 102 7	
Alternative for	432 410 041 0	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 104 0	Cut-out pressure 8.1 bar. Heater 24 V. Electrical connections Kostal M 27x1, with silencer	
Vehicle Applic.	Maz 551605, 551630; LIAZ 5256, 6212	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 112 0	Cut-out pressure 12.5 bar. Heater 24 V. Electrical connections Bayonet DIN 72585-1A2.1-1Sn/K, for Voss 230. Exhaust Snap-on contour	
Cross Ref.	MAN (81521026105)	
Vehicle Applic.	MAN	
Exchange Unit	432 410 112 7	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 113 0	Cut-out pressure 12.5 bar. without heating, for Voss 230. Exhaust Snap-on contour	
Cross Ref.	MAN (81521026097)	
Vehicle Applic.	MAN TGA 18* F/FL/FLL; TGA 22* 25* FVL; TGA 26* FNL, FNLL, FVL; TGA 28* FNL, FNLL; TGL 7t, 8t, 10t, 12t; TGM 13*, TGM 15*; TGM 18*; TGM 26*	
Exchange Unit	432 410 113 7	
Repair Kit	432 410 002 2 (for dryer section: from production date 49/94)	

432 410 116 0 Cut-out pressure 10 bar. Heater 24 V, Electrical connections Bayonet DIN 72585-1A2.1-1Sn/K, for Voss 230

Vehicle Applic. MAN

Exchange Unit 432 410 116 7

Repair Kit 432 410 002 2 (for dryer section: from production date 49/94)



432 415 030 0 Cut-out pressure 8.3 bar, Heater 24 V. Electrical connections Kostal M 27x1, Back flow 0.4 bar

Vehicle Applic. ERF

Repair Kit 432 410 002 2 (for dryer section: from production date 49/94)



432 410 117 0 Cut-out pressure 10 bar, without heating, for Voss 230. Exhaust Snap-on contour

Cross Ref. MAN (81521026098)

Vehicle Applic. MAN

Exchange Unit 432 410 117 7

Repair Kit 432 410 002 2 (for dryer section: from production date 49/94)

432 421 008 0 Max. operating pressure 13 bar, without heating, for Voss 230. Exhaust Snap-on contour

Vehicle Applic. Mercedes

Exchange Unit 432 421 008 7

Repair Kit 432 410 002 2 (for dryer section: from production date 49/94)



432 410 202 0 Cut-out pressure 8.1 bar, without heating. Exhaust Snap-on contour

Alternative for 432 410 021 0

Repair Kit 432 410 002 2 (for dryer section: from production date 49/94)

432 410 250 0 Cut-out pressure 10 bar. Heater 24 V. Electrical connections Bayonet. Exhaust Snap-on contour

Vehicle Applic. MAN

Exchange Unit 432 410 250 7

Repair Kit 432 410 002 2 (for dryer section: from production date 49/94)

2.02 Air Dryer (Twin Cannister)

432 431 173 0 Max. operating pressure 13 bar. Heater 24 V. Nozzle Ø 0.7

Repair Kit 432 431 000 2



432 433 206 0 Cut-out pressure 12 bar. Heater 24 V. Electrical connections Bayonet

Cross Ref. Mercedes (A0014318715)

Vehicle Applic. Evobus; Unimog

Replacement for 432 432 006 0



432 431 199 0 Heater 24 V, Electrical connections Kostal M 27x1, Nozzle Ø 0.9

Repair Kit 432 431 000 2

432 432 000 0 Cut-out pressure 12,5 bar. Heater 24 V, Electrical connections Bayonet, Nozzle Ø 0.7

Cross Ref. MAN (81521026088)

Repair Kit 432 410 001 2 (for part of combined unloader)



2.03 Air Processing Unit

932 400 024 0 Air Dryer 12 bar, Heater 24 V. Electrical connections Bayonet DIN 72585-A1-2.1-1-Sn/K2. APU Universal type

Replacement for 932 400 001 /002 /005 /006 0



932 500 006 0 Air Dryer 932 400 001 0. Protection valve 934 705 005 0

Cross Ref. Mercedes (A0014318115)

Vehicle Applic. Mercedes

Replacement for 932 500 001 0



932 500 007 0 Air Dryer 932 400 002 0. Protection valve 934 705 005 0

Cross Ref. Mercedes (A0014318215)

Vehicle Applic. Mercedes

Replacement for 932 500 002 0

932 500 013 0 Air Dryer 932 400 005 0. Protection valve 934 705 005 0

Cross Ref. Mercedes (A0024310615)

932 500 014 0 Air Dryer 932 400 006 0. Protection valve 934 705 005 0

Cross Ref. Mercedes (A0024310715)

932 500 015 0 Air Dryer 932 400 006 0. Protection valve 934 705 003 0

Vehicle Applic. EVO-Bus

932 500 021 0 Air Dryer 932 400 014 0. Protection valve 934 705 008 0

2.04 Desiccant Cartridge

432 406 920 2 Insert for cartridge 432 406 222 2, for Air Dryer 432 405.../... 406.../...408...



432 410 220 2 High Pressure to 20 bar. Port M 42x1.5

432 410 222 7 Max. operating pressure 13 bar. Port M 39x1.5

Vehicle Applic. DAF, Dennis, EVO-Bus, Mercedes

Replacement for 432 410 925 2

Alternative for 432 410 020 2



432 410 927 2 Max. operating pressure 13 bar. Port G 1 1/4". With grease and O-ring



432 901 223 2 Cartridge with Coalescing Filter. Max. operating pressure 13 bar. Port M 39x1.5

Replacement for 432 410 936 2, 432 901 224 2




432 901 228 2 Cartridge with Coalescing Filter. Max. operating pressure 13 bar. Port threads G 1 1/4. Hexagon

Vehicle Applic. Scania

Alternative for 432 410 226 2, 432 410 926 2, 432 410 927 2, 432 410 928 2


2.05 Accessory Air Dryer

449 515 020 0	Connecting Cable Heater, 2 m, Connector 90° Bayonet DIN 72585 B1-2.1-Sn/K1, 2x 1.5 mm ² , bared ends	
449 515 100 0	Connecting Cable Heater, 10 m, Connector 90° Bayonet DIN 72585 B1-2.1-Sn/K1, 2x 1.5 mm ² , bared ends	
894 100 353 2	Connecting Cable Air Dryer (Twin Cannister) 5 m, 2x 1 mm ² , M 24x1	
894 101 130 2	Connecting Cable Air Dryer (Twin Cannister) 10 m, 2x 1 mm ² , M 24x1, ADR	


894 260 040 2	Heater. 24 V, M 27x1
894 260 043 2	Heater. 24 V, M 27x1
894 260 045 2	Heater. 24 V. Bayonet
894 600 454 2	Connecting Cable Heater 5 m, Connector 90° Bayonet, M 27x1, 2x 1.0 mm ² , bared ends
Cross Ref.	Schmitz (50221), Schmitz (894/600/454/2)
Vehicle Applic.	Kamaz
894 600 458 2	Connecting Cable Heater 10 m, Connector 90° Bayonet, M 27x1, 2x 1.0 mm ² , bared ends
Vehicle Applic.	Dennis


2.06 Safety Valve


434 608 226 0	M 16x1.5, Opening pressure 15 +1.5 bar
Cross Ref.	Volvo (20382305)

434 612 004 0	M 22x1.5, Opening pressure 13 +0.8 bar	
Cross Ref.	Mercedes (A0054290244)	
Vehicle Applic.	Mercedes	

2.07 Anti-Freezer, Water Separator

432 511 000 0	Filter Drain Valve, M 22x1.5, Operating pressure max. 10 bar	
Cross Ref.	Knorr (LA4210)	
Vehicle Applic.	Mercedes, PEGASO, Renault-VI	
Exchange Unit	432 511 000 7	
Repair Kit	432 511 000 2	

830 702 087 4	Anti Freeze Fluid WAB-COTHYL, 1 l	
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932 002 100 0	Anti Freeze Pump, with Reservoir 0.5 dm ³ . Quantity delivered 0.5 cm ³ , without Control port	
Cross Ref.	Knorr (LA4131)	
Vehicle Applic.	Iveco, PEGASO, Renault-VI, Volvo	
Cover	932 002 652 2	
Reservoir	932 002 020 4	

Repair Kit	932 002 002 2 (from production date: 31/85)
932 002 102 0	Anti Freeze Pump, with Reservoir 0.5 dm ³ . Quantity delivered 0.2 cm ³ , without Control port
Vehicle Applic.	Ford
Reservoir	932 002 020 4
Cover	932 002 652 2
Repair Kit	932 002 002 2 (from production date: 31/85)

932 399 000 0	Water Separator, M 22x1.5	
Vehicle Applic.	Iveco, Mercedes, Renault-VI, LIAZ; Bogdan;	

2.08 Four Circuit Protection Valve

934 702 041 0 M 16x1.5 / M 22x1.5. Max. operating pressure 10 bar, 21/22 = 7 bar, 23/24 = 6.5 bar

Vehicle Applic. IKARBUS, Raba
Exchange Unit 934 702 041 7
Repair Kit 934 702 000 2



934 702 082 0 M 16x1.5 / M 22x1.5. Max. operating pressure 20 bar, 21/22 = 7.9 bar, 23/24 = 7.9 bar

Vehicle Applic. Renault-VI
Exchange Unit 934 702 082 7
Repair Kit 934 702 008 2

934 702 110 0 M 16x1.5 / M 22x1.5. Max. operating pressure 10 bar, 21/22 = 7.3 bar, 23/24 = 7.3 bar

Vehicle Applic. Renault-VI
Exchange Unit 934 702 110 7
Repair Kit 934 702 001 2

934 702 210 0 M 16x1.5 / M 22x1.5. Max. operating pressure 10 bar, 7 Ports, 21/22 = 7 bar, 23/24 = 6.5 bar

Vehicle Applic. FAP, IKARBUS, Mercedes
Exchange Unit 934 702 210 7
Repair Kit 934 702 005 2



934 702 221 0 M 16x1.5 / M 22x1.5. Max. operating pressure 20 bar, 7 Ports, 21/22 = 7 bar, 23/24 = 7 bar

Vehicle Applic. MAN, Mercedes
Exchange Unit 934 702 221 7
Repair Kit 934 702 009 2

934 702 250 0 M 16x1.5 / M 22x1.5. Max. operating pressure 20 bar, 21/22 = 7 bar, 23/24 = 7 bar

Vehicle Applic. Iveco, Mercedes, Renault-VI
Exchange Unit 934 702 250 7
Repair Kit 934 901 005 2



934 702 260 0 M 22x1.5. Max. operating pressure 20 bar, for Voss 230, 21/22 = 7 bar, 23/24 = 7 bar

Vehicle Applic. Mercedes
Exchange Unit 934 702 260 7
Repair Kit 934 901 005 2



934 702 261 0 M 22x1.5. Max. operating pressure 20 bar, for Voss 230, 21/22 = 7 bar, 23/24 = 7.7 bar

Vehicle Applic. Mercedes
Exchange Unit 934 702 261 7

934 702 300 0 M 16x1.5 / M 22x1.5. Max. operating pressure 20 bar, 21/22 = 7 bar, 23/24 = 7 bar

Cross Ref. Mercedes (A0014313006)
Vehicle Applic. MAN, Mercedes
Exchange Unit 934 702 300 7
Repair Kit 934 702 004 2



934 702 302 0 M 16x1.5 / M 22x1.5. Max. operating pressure 20 bar, 21/22 = 7 bar, 23/24 = 7 bar

Vehicle Applic. Iveco
Repair Kit 934 702 004 2

934 702 322 0 M 16x1.5 / M 22x1.5. Max. operating pressure 20 bar, 21/22 = 7 bar, 23 = 7 bar, 24 = 6.9 bar

Vehicle Applic. MAN
Exchange Unit 934 702 322 7
Repair Kit 934 702 900 2

934 702 340 0 M 16x1.5 / M 22x1.5. Max. operating pressure 20 bar, 21/22 = 7 bar, 23/24 = 7 bar

Cross Ref. Haldex (314059001)
Vehicle Applic. Scania
Exchange Unit 934 702 340 7
Repair Kit 934 901 002 2

934 702 381 0 M 16x1.5 / M 22x1.5. Max. operating pressure 20 bar, 21/22 = 6.5 bar, 23/24 = 6.5 bar

Vehicle Applic. DAF, ERF, Leyland DAF, Scania
Exchange Unit 934 702 381 7
Repair Kit 934 702 006 2

934 705 005 0 Protection valve for APU
932 500 006 0 / 007 0 /
013 0 / 014 0

Cross Ref. Mercedes (A0034315406),
Mercedes (A0034315706)
Vehicle Applic. Mercedes
Exchange Unit 934 705 005 7



934 714 010 0 M 16x1.5 / M 22x1.5. Max. operating pressure 13 bar, 21/22 = 6.9 bar, 23 = 7 bar, 24 = 6.9 bar



934 714 110 0 M 16x1.5 / M 22x1.5. Max. operating pressure 13 bar, 21/22 = 6.9 bar, 23 = 7 bar, 24 = 6.9 bar

Cross Ref. MAN (81521516094)
Vehicle Applic. Volzanin 5270, 627006, 527006

934 714 119 0 M 16x1.5 / M 22x1.5. Max. operating pressure 13 bar, 21/22 = 7.5 bar, 23/24 = 7.5 bar

Cross Ref. Iveco (98480157), Iveco (9934714119)
Exchange Unit 934 714 119 7

934 714 123 0 M 16x1.5 / M 22x1.5. Max. operating pressure 13 bar, 21/22 = 6.9 bar, 23/24 = 7.2 bar

Vehicle Applic. Volzanin 5270; UralAZ: Ural-6363, Ural-63845, Ural-63664

934 714 125 0 M 16x1.5 / M 22x1.5. Max. operating pressure 13 bar, 21/22 = 7.5 bar, 23 = 7 bar, 24 = 7 bar

Vehicle Applic. LIAZ 5292, LAZ Citylaz, Lainer

934 714 211 0 M 16x1.5 / M 22x1.5. Max. operating pressure 13 bar, 21/22 = 6.5 bar, 23 = 7.4 bar, 24 = 6.5 bar

Replacement for 934 714 128 0

934 714 740 0 Max. operating pressure 13 bar. Opening pressure 6.3-0.3 bar / 5.8-0.3 bar.

Cross Ref. Volvo (21225479)

Replacement for 934 714 140 0

2

2.09 Charging Valve




Part number	Operating pressure	Charging pressure	Charging pressure	Range of adjustment
434 100 022 0	10 bar	4.5 bar	0.5 ... 5.2 bar	with
434 100 023 0	10 bar	5.5 bar	5.3 ... 7.0 bar	with
434 100 024 0	10 bar	6.0 bar	5.3 ... 7.0 bar	with
434 100 025 0	10 bar	6.5 bar	5.3 ... 7.0 bar	with
434 100 027 0	10 bar	0.5 bar	0.5 ... 5.2 bar	with
434 100 033 0	13 bar	7.3 bar	7.3 ... 8.5 bar	with
434 100 034 0	10 bar	6.8 bar	5.3 ... 7.0 bar	with
434 100 037 0	10 bar	1.6 bar	0.5 ... 5.2 bar	with
434 100 047 0	13 bar	10.3 bar	-	with
434 100 051 0	13 bar	10.3 -0.3 bar	-	with
434 100 122 0	10 bar	4.5 bar	0.5 ... 5.2 bar	without
434 100 123 0	10 bar	5.0 bar	0.5 ... 5.2 bar	without
434 100 124 0	10 bar	5.5 bar	5.3 ... 7.0 bar	without
434 100 125 0	10 bar	6.0 bar	5.3 ... 7.0 bar	without
434 100 126 0	10 bar	6.5 bar	5.3 ... 7.0 bar	without
434 100 127 0	10 bar	6.7 bar	5.3 ... 7.0 bar	without
434 100 128 0	10 bar	5.3 bar	5.3 ... 7.0 bar	without
434 100 130 0	20 bar	7.0 bar	5.3 ... 7.0 bar	without
434 100 131 0	10 bar	7.3 bar	7.3 ... 8.5 bar	without
434 100 133 0	10 bar	7.6 bar	7.3 ... 8.5 bar	without
434 100 139 0	13 bar	8.5 bar	-	without
434 100 143 0	13 bar	9.0 bar	-	without
434 100 153 0	13 bar	7.3 -0.3 bar	-	without
434 100 220 0	10 bar	4.5 bar	0.5 ... 5.2 bar	limited
434 100 221 0	10 bar	5.0 bar	0.5 ... 5.2 bar	limited
434 100 222 0	10 bar	6.2 bar	5.3 ... 7.0 bar	limited
434 100 225 0	10 bar	6.8 bar	5.3 ... 7.0 bar	limited
434 100 227 0	10 bar	5.5 bar	5.3 ... 7.0 bar	limited
434 100 228 0	10 bar	6.4 bar	5.3 ... 7.0 bar	limited
434 100 230 0	10 bar	6.8 bar	7.3 ... 8.5 bar	limited


Part number	Operating pressure	Charging pressure	Charging pressure	Range of adjustment
434 100 232 0	10 bar	8.5 bar	7.3 ... 8.5 bar	limited
434 100 234 0	10 bar	8.0 bar	7.3 ... 8.5 bar	limited
434 100 244 0	10 bar	7.5 bar	7.3 ... 8.5 bar	limited
434 100 249 0	13 bar	10.0 bar	-	limited
434 100 253 0	13 bar	6.1 bar	-	limited
434 100 257 0	13 bar	5.6 bar	-	limited
434 100 602 0	10 bar	10.5 bar	-	without


2.10 Pressure Limiting Valve


475 009 005 0	Delivered pressure 0.3 ±0.1 bar, input pressure 8 bar
Vehicle Applic.	MAN
Repair Kit	475 009 000 2

475 009 008 0	Delivered pressure 0.7 ±0.1 bar, input pressure 8 bar
Cross Ref.	MAN (81521616260)
Vehicle Applic.	MAN
Repair Kit	475 009 000 2

475 009 021 0	Delivered pressure 1.2 bar, input pressure 10 bar	
Vehicle Applic.	PEGASO	
Exchange Unit	475 009 021 7	
Repair Kit	475 009 000 2	


475 009 026 0	Delivered pressure 3 bar, input pressure 10 bar	
Vehicle Applic.	PEGASO	
Exchange Unit	475 009 026 7	
Repair Kit	475 009 000 2	

475 010 200 0	Delivered pressure 9.2 +0.2 bar, input pressure 12.4 bar	
Repair Kit	475 010 001 2	

475 010 300 0	Delivered pressure 8.5 -0.4 bar, input pressure 10 bar	
Cross Ref.	MAN (475/010/300/0), MAN (81521016269)	
Vehicle Applic.	MAN	
Exchange Unit	475 010 300 7	
Repair Kit	475 010 001 2	

475 010 301 0	Delivered pressure 10 ±0.3 bar, input pressure 12.5 bar
Cross Ref.	MAN (81521016270)
Vehicle Applic.	MAN

Repair Kit	475 010 001 2
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475 010 302 0	Delivered pressure 5.3 +0.3 bar, input pressure 7.5 bar	
Vehicle Applic.	DAF, Iveco	
Exchange Unit	475 010 302 7	
Alternative for	475 010 001 0	
Repair Kit	475 010 001 2	


475 010 307 0	Delivered pressure 1.8 +0.3 bar, input pressure 8 bar
Cross Ref.	Schmitz (114164), Schmitz (50602), Krone (5812505/0)
Alternative for	475 010 026 0
Repair Kit	475 010 001 2

475 010 314 0	Delivered pressure 7 +0.3 bar, input pressure 10 bar
Cross Ref.	Mercedes (A0054290444)
Repair Kit	475 010 001 2

475 010 317 0	Delivered pressure 6.5 +0.3 bar, input pressure 12 bar
Repair Kit	475 010 001 2

475 010 318 0	Delivered pressure 8 -0.2 bar, input pressure 12 bar
Repair Kit	475 010 001 2

475 010 400 0	Delivered pressure 8 +0.2 bar, input pressure 9.8 bar	
Vehicle Applic.	DAF	
Repair Kit	475 010 002 2	

475 015 001 0	Delivered pressure 7.4 +0.2 bar, input pressure 16 bar	
Vehicle Applic.	MAN	
Repair Kit	475 015 001 2	

475 015 004 0	Delivered pressure 3.5 ±0.2 bar, input pressure 8 bar
Cross Ref.	MAN (81521016153)

2

Vehicle Applic.	MAN
Repair Kit	475 015 001 2

475 015 005 0 Delivered pressure 8 ±0.3 bar, input pressure 12 bar

Cross Ref.	Knorr (DB1155)
Vehicle Applic.	Mercedes
Repair Kit	475 015 001 2

475 015 028 0 Delivered pressure 7.5 +0.4 bar, input pressure 8.9 bar

Vehicle Applic.	Renault-VI
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475 015 031 0 Delivered pressure 7.5 ±0.2 bar, input pressure 11 bar

Vehicle Applic.	Iveco
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475 015 032 0 Delivered pressure 11 ±0.2 bar, input pressure 12.5 bar

Vehicle Applic.	Iveco
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475 015 036 0 Delivered pressure 6.7 ±0.2 bar, input pressure 11 bar

Vehicle Applic.	Iveco
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475 015 039 0 Delivered pressure 8.5 -0.4 bar, input pressure 11 bar

Cross Ref.	Iveco (8169587)
Vehicle Applic.	Iveco, PEGASO
Repair Kit	475 015 001 2



475 015 048 0 Delivered pressure 7,0 ±0.2 bar, input pressure 11 bar

Repair Kit	475 015 001 2
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475 015 063 0 Delivered pressure 8.5 -0.4 bar, input pressure 12 bar

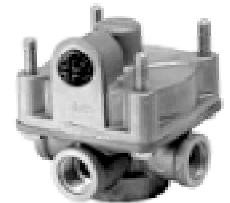
Repair Kit	475 015 001 2
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475 015 500 0 Delivered pressure 6.5 ±0.2 bar, input pressure 8.5 bar

Repair Kit	475 015 001 2
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475 019 000 0 Delivered pressure 0.5 +0.1/-0.2 bar, input pressure 12 bar

Cross Ref.	Mercedes (A0044294444)
Repair Kit	973 001 000 2




475 020 011 0 Pressure Regulating Valve. Type of operation: without Trailer. Actuation Electrical. Pressure limited 5 bar

Vehicle Applic.	Scania
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Compressed Air Storage

3.01 Air Reservoir

451 999 206 2	Clamp band for Air Reservoir Ø 206	
Alternative for	451 901 100 2, 451 999 206 2	

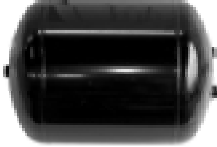
451 999 246 2	Clamp band for Air Reservoir Ø 246
Alternative for	451 901 101 2, 451 999 246 2

451 999 276 2	Clamp band for Air Reservoir Ø 276
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451 999 310 2	Clamp band for Air Reservoir Ø 310
Alternative for	451 901 103 2, 451 999 310 2

451 999 396 2	Clamp band for Air Reservoir Ø 396
Replacement for	451 901 104 2

950 060 003 0	60 l, 893 x 310 Ø, 12.5 bar. 4 Ports M 22x1.5
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950 060 004 0	60 l, 580 x 396 Ø, 12.5 bar. 4 Ports M 22x1.5	
Replacement for	451 060 321 0	


950 080 002 0	80 l, 730 x 396 Ø, 12.5 bar. 4 Ports M 22x1.5
Vehicle Applic.	Kamaz, MAZ, Novtrak, Tonar, Bezema, Autotrailer

950 080 903 0	80 l, 750 x 396 Ø, 11 bar. 4 Ports M 22x1.5, Aluminium
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950 105 001 0	5 l, 41 x 154 Ø, 20 bar. 4 Ports M 22x1.5
Vehicle Applic.	Iveco
Replacement for	950 105 004 0
Alternative for	950 205 001 0

950 410 004 0	10 l, 68 x 206 Ø, 15.5 bar. 4 Ports M 22x1.5
Vehicle Applic.	Dennis, Foden
Replacement for	451 010 300 0

950 410 902 0	10 l, 355 x 206 Ø, 15.5 bar. 4 Ports M 22x1.5
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950 420 003 0	20 l, 690 x 206 Ø, 15.5 bar. 4 Ports M 22x1.5	
Replacement for	451 020 300 0, 950 420 010 0	

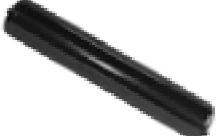
950 520 003 0	20 l, 500 x 246 Ø, 15.5 bar. 4 Ports M 22x1.5
Replacement for	451 020 310 0
Alternative for	950 520 007 0, 950 620 005 0

950 530 002 0	30 l, 709 x 246 Ø, 15.5 bar. 4 Ports M 22x1.5
Replacement for	451 030 301 0

950 540 001 0	40 l, 927 x 246 Ø, 15.5 bar. 4 Ports M 22x1.5
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950 740 002 0	40 l, 758 x 276 Ø, 14.5 bar, 4 Ports M 22x1.5
Vehicle Applic.	Foden
Replacement for	451 040 311 0

950 740 904 0	40 l, 750 x 276 Ø, 12.5 bar. 4 Ports M 22x1.5, Aluminium
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950 760 002 0	60 l, 1100 x 276 Ø, 14.5 bar. 4 Ports M 22x1.5	

950 845 002 0	45 l, 740 x 300 Ø, 12.5 bar. 4 Ports M 22x1.5
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950 860 004 0	60 l, 960 x 300 Ø, 12.5 bar. 4 Ports M 22x1.5
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950 960 002 0	60 l, 906 x 310 Ø, 11 bar. 4 Ports M 22x1.5, Aluminium
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3.02 Drain Valve

934 300 001 0	M 22x1.5. Hand control	
Cross Ref.	Haldex (315019001), Iveco (3305405R1), Iveco (4672326), Mercedes (A0004320807), Mercedes (A0004322107), Knorr (EE1103)	

Vehicle Applic.	EVO-Bus, FAP, Fruehauf, IKARBUS, Iveco, Kamaz, MAN, Mercedes, Nissan, PEGASO, Raba, Renault-VI, Sanos, Scania, TAM, Tractor, Volvo, Zastava
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934 300 002 0	R 1/2". Hand control
Cross Ref.	Haldex (315018001), Knorr (EE1101)

Vehicle Applic. Foden, Fruehauf, Renault-VI

934 300 003 0 **M 22x1.5. Hand control , with Ring**

Cross Ref. Haldex (315019011)

Vehicle Applic. Iveco, Neoplan, PEGASO, Renault-VI

934 300 035 0 **M 22x1.5. Ring**

934 301 000 0 **M 22x1.5, automatic.
Delta p**

Cross Ref. Haldex (315016001)

Vehicle Applic. EVO-Bus, IKARBUS, Iveco, Mercedes, Raba, Renault-VI, Sanos, TAM

Repair Kit 934 301 000 2



934 301 003 0 **M 22x1.5, automatic, 0.3**

Vehicle Applic. Mercedes


Repair Kit 934 301 000 2

Conventional Brake Control

4.01 Foot Brake Valve

461 106 100 0 With Treadle 35°, for single line braking system

Repair Kit 461 106 000 2 (Basic valve)

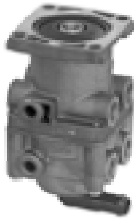


461 315 008 0 8 x M 16x1.5. Predominance 0.3 bar

Vehicle Applic. DAF, ERF, Mercedes, Seddon Atkinson, Volvo

Exchange Unit 461 315 008 7


Repair Kit 461 315 915 2 (from production date: 21/01)



461 315 012 0 8x M 16x1.5. Predominance, with screen

Replacement for 461 315 016 0

Repair Kit 461 315 916 2



461 315 042 0 8x M 16x1.5, 2x M 12x1.5, without Predominance

Vehicle Applic. Volvo


Exchange Unit 461 315 042 7

Repair Kit 461 315 917 2 (for brake valve (pneumatic part))

461 315 180 0 Port: Flange, with silencer integrated, without Predominance

Exchange Unit 461 315 180 7

Repair Kit 461 315 924 2 (from production date: 21/01)




461 315 258 0 4x M 22x1.5, for Voss 230, with Predominance 0.4 bar, with Stud M 10

Cross Ref. Mercedes (A0034311505), Knorr (MB4647)

Vehicle Applic. Mercedes

Exchange Unit 461 315 258 7

Repair Kit 461 315 920 2 (from production date: 21/01)



461 315 263 0 4x M 22x1.5, for Port Voss, Predominance 0.5 bar, with Stud M 8, with silencer

Cross Ref. Mercedes (A0044314105)

Repair Kit 461 315 925 2 (from production date: 21/01)

461 315 264 0 4x Voss 232. Predominance 0.5 bar, with Stud M 8, with silencer

Cross Ref. Mercedes (A0044315905)


Repair Kit 461 315 927 2 (from production date: 21/01)

461 319 008 0 With integral Empty/Load Valve (1.5 : 1)

Vehicle Applic. Maz, Mercedes

Exchange Unit 461 319 008 7

Repair Kit 461 319 908 2 (from production date: 21/01)




461 319 250 0 With integral Empty/Load Valve (1:1.25), for Voss 230

Vehicle Applic. Mercedes

Exchange Unit 461 319 250 7

Repair Kit 461 319 905 2 (from production date: 21/01)



461 319 272 0 With integral Empty/Load Valve (2 :1), for Voss push-in fittings

Repair Kit 461 319 910 2 (from production date: 21/01)

461 319 273 0 With integral Empty/Load Valve (2 :1), for Voss 230, with Silencer

Cross Ref. Mercedes (A0044314405)

Repair Kit 461 319 912 2 (from production date: 21/01)


461 319 274 0 With integral Empty/Load Valve (2 :1), for Voss 232, with Silencer

Cross Ref. Mercedes (A0044314905), Mercedes (A0044316205)

Repair Kit 461 319 912 2 (from production date: 21/01)

461 324 520 0 Pressure Regulating Valve for Retarder Control

Repair Kit 461 324 000 2 (for pressure control relay valve)



4

4.02 Hand Brake Valve

723 539 000 8 Actuation M 16x1.5

Vehicle Applic. Renault-VI

961 701 100 0 Clockwise actuation. Stop 70°. Lock 84°

Vehicle Applic. DAF, FAP, IKARBUS, Iveco, Maz, Roman, Taz

Exchange Unit 961 701 100 7

Repair Kit 961 701 000 2

**961 701 105 0 Clockwise actuation. Stop 70°. Lock 84°, -10 °C ... 120 °C**

Vehicle Applic. Iveco, Mercedes

Exchange Unit 961 701 105 7

Repair Kit 961 701 002 2

961 702 004 0 Clockwise actuation. Stop 52°. Lock 72°, with Test position ca. 85°, (-10 °C to 120 °C)

Vehicle Applic. Mercedes, Raba, TAM

Exchange Unit 961 702 004 7

Repair Kit 961 702 000 2

**961 721 008 0 Pressure limited P1 = 8.5 bar, P2 = 7.5 bar**

Vehicle Applic. Renault-VI

Repair Kit 961 721 008 2 (see spare part list)

**961 721 044 0 Idle position: pressurized P1 = 15 bar, P2 = 7.5 bar**

Exchange Unit 961 721 044 7

Repair Kit 961 721 004 2

**961 721 054 0 Pressure limited P1 = 10 bar, P2 = 8.5 bar**

Cross Ref. DAF(1519246), Renault-VI (5001011391)

961 722 151 0 Lock 73°

Vehicle Applic. Mercedes

Exchange Unit 961 722 151 7

Repair Kit 961 722 002 2

**961 722 212 0 Lock 73°. Test position 85°, with Voss block**

Vehicle Applic. Mercedes

Exchange Unit 961 722 212 7

Repair Kit 961 722 003 2

**961 722 252 0 Lock 73°. Test position 85°**

Vehicle Applic. Mercedes

Exchange Unit 961 722 252 7

Repair Kit 961 722 003 2

961 722 258 0 Lock 73°. Test position 85°

Vehicle Applic. Iveco

Exchange Unit 961 722 258 7

Repair Kit 961 722 003 2

961 722 262 0 Lock 73°. Emergency release

Vehicle Applic. MAN, Maz, Neoplan

Exchange Unit 961 722 262 7

Repair Kit 961 722 004 2

**961 722 264 0 Lock 73°. Emergency release**

Vehicle Applic. Mercedes

Exchange Unit 961 722 264 7

Repair Kit 961 722 004 2

961 722 314 0 Lock. Test position 73° with gaiter

Vehicle Applic. Scania

Exchange Unit 961 722 314 7

Repair Kit 961 722 007 2

**961 723 001 0 Lock 85°**

Vehicle Applic. DAF, ERF, Leyland DAF; LAZ,

Exchange Unit 961 723 001 7

Repair Kit 961 723 001 2

**961 723 004 0 Lock 85°**

Vehicle Applic. Volvo

Repair Kit 961 723 001 2

**961 723 005 0 Lock 73°. Voss 230**

Cross Ref. Knorr (HB1511)

Vehicle Applic. Mercedes

Exchange Unit 961 723 005 7


Repair Kit 961 723 004 2



961 723 007 0 Lock 73°, with electrical switch

Vehicle Applic. Iveco, PEGASO

Repair Kit 961 723 004 2



961 723 015 0 Lock 85°, with gaiter

Vehicle Applic. Kamaz, Leyland DAF; KAMA-MAZ 6520, 4308, 07, 6520, 5297; LIAZ 5292, 5256, 6212; Volzanin -5270, 627006, 527006

Repair Kit 961 723 001 2



961 723 016 0 Lock 85°, with electrical switch


Repair Kit 961 723 001 2

961 723 021 0 Lock 73°

961 723 036 0 Lock 53°

Vehicle Applic. DAF

961 723 038 0 Lock 85°. 2x M 16x1.5



961 723 100 0 Lock 73°. Test position 85°. Voss 230

Vehicle Applic. Kamaz 6460, 6522, 5460; MAN

Exchange Unit 961 723 100 7

Repair Kit 961 723 000 2

961 723 102 0 Lock 73°. Test position 85°.

Vehicle Applic. Renault-VI

Repair Kit 961 723 000 2


961 723 104 0 Lock 73°. Test position 85°. Voss 230

Cross Ref. Knorr (HB1510)

Vehicle Applic. Mercedes

Exchange Unit 961 723 104 7


Repair Kit 961 723 000 2



961 723 108 0 Lock 73°. Test position 85°

Exchange Unit 961 723 108 7


Repair Kit 961 723 000 2



961 723 111 0 Lock 73°. Test position 85°

Vehicle Applic. MAN, Renault-VI

Repair Kit 961 723 000 2



961 723 118 0 Lock 73°. Test position 85°. for Voss 230

Cross Ref. MAN (81523156156), Knorr (DPM90CK)

Vehicle Applic. MAN TGM 13.xxx; TGM 15.xxx; TGM 18.xxx; TGA 18.xxx F/FL/FLL; TGA 22.xxx-25.xxx FVL; TGA 26.xxx FNL, FNLL, FVL; TGA 28.xxx FNL, FNLL

961 723 122 0 Lock 73°. Test position 85°

Exchange Unit 961 723 122 7

961 723 123 0 Lock 73°. Test position 85°

Vehicle Applic. Renault-VI

Exchange Unit 961 723 123 7

961 723 125 0 Lock 73°. Test position 85°. Voss 230

Vehicle Applic. Mercedes

961 723 203 0 Lock 85°. Test position 85°


Vehicle Applic. AWD, ERF, Foden, Seddon Atkinson

Exchange Unit 961 723 203 7

Repair Kit 961 723 000 2

961 723 215 0 Lock 73°. Test position 73°

Vehicle Applic. Volvo




961 723 217 0 Lock 73°. Test position 73°

961 723 405 0 73°, without stop position

Vehicle Applic. DAF, MAN

Repair Kit 961 723 001 2



961 723 421 0 73°, without stop position. Voss 230

Cross Ref. Mercedes (0034305981007), Mercedes (A0034305981007)

4

4.03 Relay Valve

973 001 021 0 Port 1, 3 = M 22x1.5. Port 2, 4 = M 16x1.5

Vehicle Applic. Mercedes
Exchange Unit 973 001 021 7
Repair Kit 973 001 003 2



973 001 221 0 Port 1, 3 = M 22x1.5. Port 2, 4 = M 16x1.5

Vehicle Applic. MAN
Repair Kit 973 001 006 2

973 003 002 0 M 22x1.5. Predominance adjustable 0 bar. Port 3 = M 22x1.5

Cross Ref. MAN (81521166060)
Vehicle Applic. MAN TGA 28.xxx FNL, FNLL
Repair Kit 973 003 000 2

973 003 007 0 M 22x1.5. Predominance adjustable 0.4 bar. Port 3 = M 22x1.5

Cross Ref. MAN (81521166078)
Vehicle Applic. MAN TGA 22* -25* FVL; TGA 26* FNL, FNLL, FVL;
Repair Kit 973 003 000 2

973 006 001 0 M 22x1.5 / M 16x1.5. Voss 230

Vehicle Applic. MAN, Mercedes



973 006 003 0 M 22x1.5 / M 16x1.5, with silencer. Voss 230

Cross Ref. MAN (81521166075)
Vehicle Applic. DAF, Mercedes, MAN TGA, TGL, TGM
Replacement for 973 006 002 0

973 011 010 0 Port 1, 2, 3 = M 22x1.5. Port 4 = M 16x1.5. Filter. Differential pressure P2 ... P4 = 0.38 bar

Vehicle Applic. Scania

973 011 011 0 Port 1, 2 = M 22x1.5. Port 4 = M 16x1.5



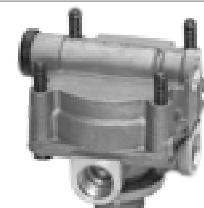
973 011 050 0 Port 1, 21, 22, 3 = M 22x1.5, 4 = M 16x1.5. Non-return Valve

Repair Kit 973 011 002 2



973 011 300 0 M 22x1.5, 4 = M 16x1.5. Voss

Cross Ref. Mercedes (A0044299444)
Vehicle Applic. Mercedes
Repair Kit 973 011 005 2



4.04 LSV Manual (Hand control)

475 604 010 0 LSV Manual for single line braking system, with release position, 3x load position

Exchange Unit 475 604 010 7
Repair Kit 475 604 002 2



475 604 013 0 LSV Manual for two line braking system. without release position, 3x load position

Exchange Unit 475 604 013 7
Repair Kit 475 604 002 2



475 604 011 0 LSV Manual for two line braking system, with release position, 3x load position

Exchange Unit 475 604 011 7
Repair Kit 475 604 002 2

4.05 Automatic Load Sensing Valve

475 700 122 0 Control medium Air, 1-Circuit. Control pressure 1 - 8 bar

Vehicle Applic. Mercedes, Scania

Exchange Unit 475 700 122 7

Repair Kit 475 700 003 2



475 700 220 0 Control medium Air, Universal type for All 1... 0, 2 ...0, Control pressure 0.7 - 8 bar

Vehicle Applic. DAF, IKARBUS, TAM

Exchange Unit 475 700 220 7

Repair Kit 475 700 003 2

475 700 402 0 Control medium Mineral oil, 2-Circuit. Control pressure 10 - 156 bar

Exchange Unit 475 700 402 7



475 700 403 0 Control medium Air, 2-Circuit. Universal type. Control pressure 0.7 - 8 bar

Vehicle Applic. Foden, Fruehauf, Renault-VI, Trailor


Exchange Unit 475 700 403 7

Repair Kit 475 700 004 2

475 711 074 0 Control pressure 0.5 - 5.0 bar

Vehicle Applic. Volvo

Repair Kit 475 711 001 2




475 711 075 0 Control pressure 0.5 - 5.0 bar

Vehicle Applic. Volvo

Exchange Unit 475 711 075 7

Repair Kit 475 711 001 2




475 711 118 0 Control pressure 0.5 - 3 bar, with silencer, for Push-in fittings Voss

Cross Ref. Mercedes (A0034312212)

Vehicle Applic. Mercedes

Repair Kit 475 711 000 2



475 711 126 0 Control pressure 0.5 - 5.9 bar, with silencer, for Push-in fittings Voss

Vehicle Applic. DAF

Exchange Unit 475 711 126 7


Repair Kit 475 711 000 2

475 714 500 0 Universal type. Control pressure 0.7 - 3.8 bar

Vehicle Applic. Seddon Atkinson

Exchange Unit 475 714 500 7

Repair Kit 475 714 000 2



475 714 510 0 Control medium Mineral oil. Control pressure 0.4 - 3.6 bar


475 714 600 0 Control medium Mineral oil. Control pressure 20 - 140 bar

Repair Kit 475 714 001 2




475 721 008 0 Control pressure 0.5 - 3,0 bar. Regulating range 0.6 ±0.2 bar, M 22x1.5 for Voss 232, with silencer


Cross Ref. Mercedes (A0044312612), Mercedes (A0054312612)



475 723 000 0 Control pressure 1,0 - 4.6 bar. Regulating range 0.7 ±0.2 bar, M 16x1.5



899 144 631 4 Dataplate



4

4.06 Automatic Load Sensing Valve (mechanical)

475 701 020 0 LSV, mechanical, with
Lever

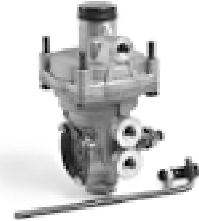
Vehicle Applic. FAP, Raba, TAM, Volvo
Exchange Unit 475 701 020 7
Repair Kit 475 701 000 2

**475 712 000 0** Control stroke 20°, M
16x1.5 / M 22x1.5, with
Lever

Vehicle Applic. Fruehauf, Trailer
Exchange Unit 475 712 000 7
Repair Kit 475 712 000 2

**475 710 007 0** Control stroke 60°, M
16x1.5. Port 3 = M 22x1.5

Vehicle Applic. MAN
Exchange Unit 475 710 007 7
Repair Kit 475 710 001 2

**475 713 002 0** Control stroke 20°, M
16x1.5 / M 22x1.5, with
Lever**475 710 020 0** Control stroke 30°, M
16x1.5

Vehicle Applic. Maz, Mercedes
Exchange Unit 475 710 020 7
Repair Kit 475 710 001 2

**475 713 500 0** Control stroke 20°, static
M 16x1.5 / M 22x1.5, with
Lever + Tension spring

Exchange Unit 475 713 500 7
Repair Kit 475 713 000 2

**475 710 024 0** Control stroke 34°, M 16x1.5. Port 1 = M 22x1.5

Cross Ref. Iveco (4822162)
Vehicle Applic. AWD, Iveco
Exchange Unit 475 710 024 7
Repair Kit 475 710 001 2

475 713 501 0 Control stroke 33°, static M 16x1.5 / M 22x1.5,
with Lever + Tension spring

Repair Kit 475 713 000 2

475 710 025 0 Control stroke 30°, M
16x1.5. Port 1 = M 22x1.5

Vehicle Applic. DAF, Iveco
Exchange Unit 475 710 025 7
Repair Kit 475 710 001 2

**475 720 002 0** Control stroke 60°. Regu-
lating range 0.6 ±0.2 bar,
M 22x1.5, with silencer

Vehicle Applic. Kamaz

**475 710 036 0** Control stroke 30°, M
16x1.5. for Voss 230

Vehicle Applic. Iveco, Mercedes
Exchange Unit 475 710 036 7
Repair Kit 475 710 001 2

**475 720 003 0** Control stroke 30°. Regulating range 0.6 ±0.2 bar,
M 22x1.5 for Voss 230, with silencer

Vehicle Applic. DAF

475 710 128 0 Control stroke 30°, M
16x1.5. Port 1 = M 22x1.5

Vehicle Applic. Volvo
Repair Kit 475 710 002 2

**475 720 004 0** Control stroke 30°. Regulating range 0.6 ±0.2 bar,
M 22x1.5 for Voss 232

Vehicle Applic. DAF

475 710 136 0 Control stroke 16°, M 16x1.5 / M 22x1.5, Port 1 =
M 22x1.5, for Voss 230, with silencer

Cross Ref. Mercedes (A0034312712)
Vehicle Applic. Mercedes
Repair Kit 475 710 002 2

475 720 005 0 Control stroke 16°. Regulating range 0.6 ±0.2 bar,
M 22x1.5 for Voss 232, with silencer

Cross Ref. Mercedes (A0044317812)

475 722 000 0 Control stroke 52°. Regu-
lating range 0.6 ±0.2 bar,
M 16x1.5

899 144 630 4 Dataplate



4.07 Knuckle Joint

433 302 002 0 Length 260, Deflection h = 100, Output force 20 - 35 N, with Thrust Piece

Vehicle Applic. DAF, FAP, Foden, Raba, TAM



433 302 008 0 Length 160, Deflection h = 55. Output force 40 - 110 N, with Socket

Cross Ref. Mercedes (A0004311018)

Vehicle Applic. Mercedes

433 302 016 0 Length 260, Deflection h = 100. Output force 40 - 100 N, with Socket

4

4.08 Anti-Compound Valve

473 017 000 0 Anti-Compound Valve, M 22x1.5

Vehicle Applic. Dennis, ERF, EVO-Bus, FAP, IKARBUS, Iveco, Leyland DAF, Neoplan, Raba, Renault-VI, Roman, Sanos, TAM, Taz

Exchange Unit 473 017 000 7

Repair Kit 473 017 000 2



973 011 206 0 Anti-Compound Relay Valve, M 22x1.5, 41/42 = M 16x1.5. Voss. Silencer

Repair Kit 973 011 006 2



973 011 208 0 Anti-Compound Relay Valve, M 22x1.5, 41/42 = M 16x1.5. Voss. Silencer

Repair Kit 973 011 005 2

473 017 001 0 Anti-Compound Relay Valve, M 22x1.5. Exhaust M 22x1.5

Vehicle Applic. MAN, Mercedes

Exchange Unit 473 017 001 7

973 011 200 0 Anti-Compound Relay Valve M 22x1.5, 41/42 = M 16x1.5. Push-in connection Voss

Cross Ref. MAN (81521166071), Mercedes (A0044297644)

Vehicle Applic. EVO-Bus, MAN, Mercedes

Repair Kit 973 011 000 2



4.09 Release Valve

463 034 005 0 Drawbar -Release Valve. Front axle, with Flange



963 001 012 0 M 16x1.5, Actuating knob: black, for 963 001 05. 0 / 971 002

Exchange Unit 963 001 012 7

Sealing flange 897 086 670 4; 897 086 680 4

Repair Kit 963 006 000 2



963 001 013 0 M 22x1.5, for trailer emergency valve 971 002

Exchange Unit 963 001 013 7

Alternative for 963 001 001 0
Sealing flange 897 086 670 4; 897 086 680 4
Repair Kit 963 006 000 2

963 001 051 0 **Dual Release Valve, with non-return valve. Data-plate. Actuating knob: black + Red**

Exchange Unit 963 001 051 7
Alternative for 963 001 062 0
Repair Kit 963 001 001 2 (see spare part list)

963 001 052 0 **Dual Release Valve. Data-plate. Actuating knob: black + Red**

Repair Kit 963 001 001 2 (see spare part list)



963 001 053 0 **Dual Release Valve, with non-return valve. Actuating knob: black + Red**

Cross Ref. Krone (5812423/1)
Repair Kit 963 001 001 2 (see spare part list)

963 006 001 0 **M 16x1.5. Black Knob**

Vehicle Applic. Fruehauf, Tractor
Exchange Unit 963 006 001 7
Repair Kit 963 006 000 2



963 006 003 0 **M 16x1.5, knob: Red**



963 006 005 0 **M 16x1.5, Actuating knob: green**



963 006 006 0 **M 16x1.5, knob: Yellow**

963 006 007 0 **M 16x1.5, knob: Blue**

963 006 008 0 **M 16x1.5, knob: White**

Cross Ref. Knorr (AC286A)



4.10 Empty Load Valve

473 301 001 0 **M 22x1.5. Pressure reduction 1.50 : 1**

Cross Ref. Mercedes (A0024297344)
Vehicle Applic. Foden, Mercedes, Neoplan, Nissan
Repair Kit 473 301 009 2



473 301 002 0 **M 22x1.5. Pressure reduction 1.35 : 1**

Vehicle Applic. Mercedes
Repair Kit 473 301 009 2

473 302 001 0 **M 16x1.5. Pressure reduction 2.00 : 1**


Vehicle Applic. Volvo
Repair Kit 473 302 001 2



473 302 021 0 **M 16x1.5. Pressure reduction 2.00 : 1, Port 3 = M 22x1.5**

Vehicle Applic. Volvo
Repair Kit 473 302 001 2

4.11 Adaptor Valve


975 001 000 0	M 22x1.5. Residual pressure 0.6 - 0.8 bar	
Cross Ref.	Krone (500945025/0)	
Vehicle Applic.	DAF	
Exchange Unit	975 001 000 7	
Repair Kit	975 001 000 2	

975 001 001 0	M 22x1.5. Residual pressure 0.9 - 1.1 bar
Exchange Unit	975 001 001 7
Repair Kit	975 001 000 2

975 001 002 0	M 22x1.5. Residual pressure 0.4 - 0.6 bar
Vehicle Applic.	AWD, MAN, Renault-VI
Exchange Unit	975 001 002 7
Repair Kit	975 001 000 2

975 001 003 0	M 22x1.5. Residual pressure 0.3 bar
Repair Kit	975 001 000 2

975 001 500 0	M 22x1.5. Residual pressure 0.6 - 0.8 bar, with test connection
Exchange Unit	975 001 500 7
Repair Kit	975 001 000 2

975 002 001 0	M 22x1.5. Residual pressure: outline drawing	
Vehicle Applic.	FAP, Mercedes, Raba, TAM	
Exchange Unit	975 002 001 7	
Repair Kit	975 002 000 2	

975 002 003 0	M 22x1.5. Residual pressure: outline drawing
Repair Kit	975 002 000 2

975 002 005 0	M 22x1.5. Residual pressure: outline drawing
Vehicle Applic.	Volvo
Repair Kit	975 002 000 2


975 002 017 0	M 16x1.5. Residual pressure: outline drawing
Vehicle Applic.	Iveco, Mercedes
Exchange Unit	975 002 017 7
Repair Kit	975 002 001 2

975 002 072 0	M 22x1.5, for Voss push-in fittings, with silencer. Residual pressure: outline drawing
Cross Ref.	Mercedes (A0034307781)
Vehicle Applic.	Mercedes

975 002 073 0	M 22x1.5, for Voss push-in fittings. Residual pressure: outline drawing
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4.12 Quick Release Valve


473 501 000 0	M 22x1.5, with bypass
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473 501 001 0	M 22x1.5	
Vehicle Applic.	Volvo	
Alternative for	473 501 004 0	

473 501 004 0	M 22x1.5, with screen
Cross Ref.	Kögel (314032)

473 501 201 0	M 22x1.5. Port 3 = M 22x1.5
Vehicle Applic.	MAN

473 501 203 0	M 22x1.5. Port 3 = M 22x1.5
Cross Ref.	MAN (81521156023)
Vehicle Applic.	MAN (ECAS BLL, LLL)

973 500 000 0	Thread M 22x1.5	
Cross Ref.	Krone (500945378/0), Kögel (77391)	
Vehicle Applic.	DAF, Iveco, Leyland DAF, Maz, Mercedes, Neoplan, Nissan, PEGASO, Seddon Atkinson, Volvo, Zastava	

973 500 003 0	Thread G 3/8"
Vehicle Applic.	Renault-VI

973 500 006 0	Thread M 16x1.5
Cross Ref.	Iveco (5000792440)
Vehicle Applic.	Iveco, Renault-VI

973 500 014 0	Thread 1/2" NPTF-SAE
Vehicle Applic.	Bedford, DAF, Dennis, ERF, Foden, Ford, Leyland DAF, MCW, Scania, Volvo

973 500 028 0 M 22x1.5. Port 23 = M 16x1.5. Voss 230

Vehicle Applic. EVO-Bus, Mercedes
Repair Kit 973 500 001 2



973 500 034 0 M 22x1.5

Cross Ref. MAN (81521156034)
Vehicle Applic. MAN
Repair Kit 973 500 001 2

973 500 038 0 1 = M 22x1.5, 21/22/23/24 = M 16x1.5



973 500 039 0 M 22x1.5

Vehicle Applic. Renault-VI

973 500 044 0 M 22x1.5

973 500 045 0 M 22x1.5, with silencer

973 500 047 0 M 16x1.5

973 500 051 0 Double Cut-Off Valve integrated

Cross Ref. Krone (5815237/0)



973 500 053 0 M 16x1.5. Silencer. Double Cut-Off Valve integrated

4.13 Trailer Control Valve

470 015 052 0 P4 = 20 bar. Response pressure 5 bar. Brake fluid

Repair Kit 470 015 002 2

470 015 096 0 P4 = 15 bar. Response pressure 4 bar. Brake fluid

Repair Kit 470 015 002 2

470 015 203 0 P41/42 = 12 bar. Response pressure 3.5 bar. Mineral oil

Repair Kit 470 015 006 2

470 015 215 0 2-Circuit. P41/42 = max. 19 bar. Response pressure 3 bar. Mineral oil

Repair Kit 470 015 900 2 (from production date: 12/94)



470 015 217 0 2-Circuit, P41/42 = max. 14 bar. Response pressure 3 bar. Mineral oil

Repair Kit 470 015 006 2

470 015 257 0 P41= max. 28 bar (Mineral oil), P2= 7.4 bar.

Repair Kit 470 015 008 2

470 015 265 0 2-Circuit, P41/42 = max. 10.5 bar (Mineral oil), P2 = 7.4 bar (Air). Response pressure 2 bar, with Lever



470 015 269 0 2-Circuit, P41 = max. 14 bar (Mineral oil), P2 = max. 7.4 bar (Air). Response pressure 1 bar, with Lever

Repair Kit 470 015 903 2

470 015 590 0 for single line braking system + two line braking system, P4 = 45 bar (Brake fluid). Response pressure 9 bar, Combination of 471 208 000 0 + 470 015 090 0

Exchange Unit 470 015 590 7

Repair Kit 470 015 001 2 (for part of trailer control valve (duo pipe))



471 200 008 0 M 22x1.5, with Pressure limited, without lever

Vehicle Applic. Mercedes, Ikarbus, Kamaz, Maz, Roman

Exchange Unit 471 200 008 7

Diaphragm 897 180 620 2

Repair Kit 471 200 007 2



471 200 110 0 M 22x1.5, with Pressure limited, without lever

Vehicle Applic. Mercedes

Exchange Unit 471 200 110 7


Diaphragm 897 180 620 2

Repair Kit 471 200 007 2


471 208 000 0 M 16x1.5, single line braking system. Combination with 470 015 ...

Exchange Unit 471 208 000 7


Repair Kit 471 208 000 2

973 002 402 0	M 16x1.5, without Predominance	
Vehicle Applic.	AWD, DAF, Iveco, Mercedes, Scania	
Exchange Unit	973 002 402 7	
Alternative for	973 002 430 0	
Repair Kit	973 002 004 2	

973 002 520 0	M 16x1.5, without Predominance. Supply dump valve
Vehicle Applic.	AWD, Foden, Mercedes
Exchange Unit	973 002 520 7
Repair Kit	973 002 006 2

973 002 521 0	M 16x1.5. Supply dump valve. Predominance 0.2 bar adjustable	
Vehicle Applic.	FAP, Iveco, Mercedes, Raba, Renault-VI, TAM, Volvo	
Exchange Unit	973 002 521 7	
Repair Kit	973 002 005 2	

973 002 535 0	M 16x1.5. Supply dump valve. Predominance 0 bar adjustable
Vehicle Applic.	Iveco, MAN
Exchange Unit	973 002 535 7
Repair Kit	973 002 008 2

973 009 001 0	M 22x1.5. Supply dump valve. Predominance 0.3 bar, adjustable. Voss 230	
Vehicle Applic.	Mercedes	
Exchange Unit	973 009 001 7	
Alternative for	973 009 000 0	
Repair Kit	973 009 000 2	


973 009 002 0	M 16x1.5. Supply dump valve. Predominance 0.2 bar, adjustable
Cross Ref.	Iveco (8163008)
Vehicle Applic.	Volvo
Repair Kit	973 009 000 2


973 009 006 0	M 22x1.5. Supply dump valve. Predominance 0.0 bar, adjustable, p41/42 = 10.5 bar. Voss 230
Cross Ref.	MAN (81523016189)
Vehicle Applic.	MAN
Exchange Unit	973 009 006 7
Repair Kit	973 009 000 2


973 009 010 0	M 16x1.5. Supply dump valve. Predominance 0.4 bar, adjustable, with silencer
Exchange Unit	973 009 010 7
Repair Kit	973 009 000 2

4.14 Emergency Relay Valve

400 600 010 0	Set: Relay Emergency Valve 971 002 301 0, Pressure Sensor 441 040 015 0
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971 002 000 0	M 22x1.5	
Exchange Unit	971 002 000 7	
Repair Kit	971 002 006 2 (see spare part list)	

971 002 150 0	M 22x1.5. with Predominance adjustable. Alternative for 971 002 300 0 (without Flange)	
Cross Ref.	Haldex (351008022), Krone (5810606/0)	
Exchange Unit	971 002 150 7	
Alternative for	971 002 000 0, 971 002 300 0	
Repair Kit	971 002 003 2	

971 002 152 0	M 22x1.5 / M 16x1.5. Predominance adjustable	
Cross Ref.	Haldex (351022001)	
Exchange Unit	971 002 152 7	
Alternative for	971 002 151 0	
Repair Kit	971 002 004 2	

971 002 157 0	M 22x1.5 / M 16x1.5
Exchange Unit	971 002 157 7

971 002 300 0	M 22x1.5 / M 16x1.5. Predominance adjustable	
Vehicle Applic.	Novtrak, Tonar, Bezema, Autotrailer, Kamaz; MAZ, Bogdan	
Exchange Unit	971 002 300 7	
Alternative for	971 002 150 0	
Repair Kit	971 002 008 2	

971 002 301 0	M 22x1.5 / M 16x1.5, without Predominance
Repair Kit	971 002 008 2

971 002 307 0	M 22x1.5, without Predominance
Exchange Unit	971 002 307 7

971 002 531 0 Combination of 971 002 150 0 + 963 001 012 0

Vehicle Applic. Fruehauf, Trailor
 Exchange Unit 971 002 531 7
 Repair Kit 971 002 003 2 (for trailer emergency valve)

**971 002 700 0** Combination of 971 002 300 0 + 963 001 013 0

Exchange Unit 971 002 700 7
 Alternative for 971 002 532 0, 971 002 533 0

**971 002 533 0** Combination of 971 002 150 0 + 963 001 013 0

Exchange Unit 971 002 533 7
 Alternative for 971 002 530 0
 Repair Kit 971 002 003 2 (for trailer emergency valve)

971 002 701 0 Combination of 971 002 300 0 + 963 001 012 0

Vehicle Applic. Maz; Novtrak, Tonar, Bezema, Autotrailer, Kamaz
 Exchange Unit 971 002 701 7
 Alternative for 971 002 531 0

971 002 570 0 Combination of 971 002 150 0 + 475 604 011 0

Exchange Unit 971 002 570 7
 Repair Kit 971 002 003 2 (for trailer emergency valve)

4.15 Air/Hydraulic Chamber**423 060 004 0** Type 14, 3-hole flange Ø 82.5, Voss 230

Cross Ref. Mercedes (A0014319714)

**4.16 Compact Unit****921 399 016 0** Hydraulic Pressure 120 bar. Pneumatic Pressure 8 bar. Swept volume 60 cm³, with Reservoir

Vehicle Applic. Renault-VI

**921 399 022 0** Hydraulic Pressure 120 bar. Pneumatic Pressure 8 bar. Swept volume 60 cm³, with Reservoir

Cross Ref. DAF (1519097)

Electronic Brake Control

5.01 ABS ECU (Motor Vehicle)

446 004 310 0 ABS-D, Basic 4S/4M,
24 V, ISO

Vehicle Applic. Kamaz, Maz



446 004 416 0 ABS-D, 4S/4M, 24 V

Vehicle Applic. Maz

446 004 606 0 ABS-E Basic, 4S/4M, 24 V

Cross Ref. Iveco (41221266), Iveco
(5006034257)



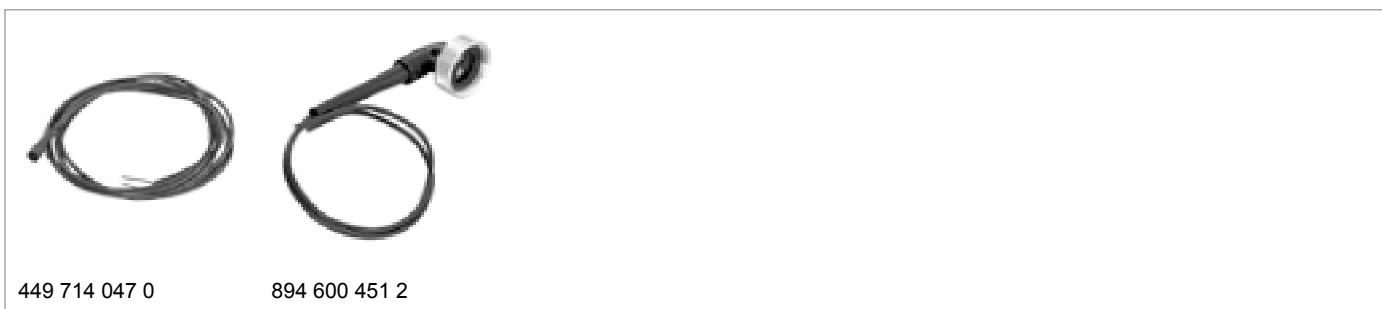
446 004 414 0 ABS-D, 4S/4M, 24 V.
Engine interface PWM

Vehicle Applic. DAF



Please note that devices for replacement have to be calibrated or parameterised. Training and diagnosis are required.

5.02 Cable ABS (Motor Vehicle)



449 714 047 0

894 600 451 2

Part number	Application	Length	Connection	Electrical connections	Comments
449 413 040 0	Bayonet	4 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	
449 413 050 0	Bayonet	5 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	
449 413 060 0	Bayonet	6 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	
449 413 080 0	Bayonet	8 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	
449 413 100 0	Bayonet	10 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	
449 415 060 0	Bayonet	6 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	
449 415 080 0	Bayonet	6 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	
449 415 100 0	Bayonet	10 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	
449 513 004 0	Bayonet	0.4 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 040 0	Bayonet	4 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 050 0	Bayonet	5 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 060 0	Bayonet	6 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 080 0	Bayonet	8 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 090 0	Bayonet	9 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 100 0	Bayonet	10 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 120 0	Bayonet	12 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 150 0	Bayonet	15 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 160 0	Bayonet	16 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 515 004 0	Bayonet	0.4 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 515 020 0	Bayonet	2 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug

Part number	Application	Length	Connection	Electrical connections	Comments
449 515 050 0	Bayonet	5 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 515 070 0	Bayonet	7 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 711 050 0	Sensor	5.0 m		Plug	bared ends
449 711 080 0	Sensor	8.0 m		Plug	bared ends
449 714 047 0	Sensor	4.7 m		Socket	2x bared ends
449 714 100 0	Sensor	10 m		Socket	2x bared ends
449 721 040 0	Sensor	4 m		Plug	2x bared ends
449 721 050 0	Sensor	5 m		Plug	2x bared ends
449 721 060 0	Sensor	6 m		Plug	2x bared ends
449 721 080 0	Sensor	8 m		Plug	2x bared ends
449 721 090 0	Sensor	9 m		Plug	2x bared ends
449 721 100 0	Sensor	10 m		Plug	2x bared ends
449 721 120 0	Sensor	12 m		Plug	2x bared ends
449 721 180 0	Sensor	18 m		Plug	2x bared ends
449 751 070 0	Sensor	0.7 m		Plug	bared ends
449 751 122 0	Sensor	1.22 m		Plug	bared ends
449 753 100 0	Wear Indicator	10 m			
894 590 051 2	Sensor	1.56 m		Plug	
894 600 451 2	Solenoid Valve	0.3 m		Kostal M 27	bared ends

5.03 ABS ECU (Trailer)

400 500 070 0 VCS II, 2S/2M, 24 V, 2x
ABS Relay Modulator

Cross Ref.

Krone (505818838/0)



400 500 081 0 VCS II, 4S/3M, 24 V, 2x
ABS Relay Modulator



400 500 082 0 VCS II, 4S/3M, 24 V, 2x ABS Relay Modulator,
painted

400 500 083 0 VCS II, 4S/3M, 12 V, 3x ABS Relay Modulator

Alternative for 400 500 050 0

400 500 086 0 VCS II, 2S/1M, 24 V. Basic , 1x ABS Relay Modu-
lator

446 105 926 2 Repair Kit: VCS II Compact Unit. Cable

Alternative for 446 105 001 0, 446 105 009 0, 446 105 031 0, 446 105 032 0, 446 105 041 0, 446 105 042 0, 446 105 051 0, 446 105 052 0

446 105 927 2 Repair Kit: VCS II ABS ECU Trailer. Cable

Alternative for 446 105 031 0, 446 105 032 0, 446 105 041 0, 446 105 042 0, 446 105 051 0, 446 105 052 0

446 108 085 0 VCS II, 4S/3M, 24 V

Alternative for 446 108 031 0



446 108 920 2 Repair Kit: VCS II ABS ECU Trailer. Cable

Alternative for 400 500 030 0, 400 500 036 0, 400 500 040 0, 400 500 042 0, 400 500 064 0, 446 108 030 0, 446 108 031 0, 446 108 040 0, 446 108 041 0

446 108 921 2 Repair Kit: VCS II Compact Unit. Cable

Alternative for 400 500 035 0, 400 500 037 0, 400 500 045 0, 400 500 046 0, 446 108 045 0

446 303 007 0 Infomaster. Mileage indi-
cator

Repair Kit 446 303 920 2 (Retrofit kit)



Please note that devices for replacement have to be calibrated or parameterised. Training and diagnosis are required.

5.04 Cable ABS (Trailer)




Part number	Applica-tion	Length	Connection	Electrical connec-tions	Opposite	Comments
449 124 337 0	VCS II	12 m / 12 m	Power / 24N Semi trailer	24 V, 5-pin		ISO 7638 Connector
449 125 060 0	VCS II	6 m	Power Semi trailer	24 V, 5-pin		ISO 7638 Connector
449 125 120 0	VCS II	12 m	Power Semi trailer	24 V, 5-pin		ISO 7638 Connector
449 125 140 0	VCS II	14 m	Power Semi trailer	24 V, 5-pin		ISO 7638 Connector
449 126 120 0	VCS II	12 m	Power Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 132 060 0	VCS I / II	6 m	Power Semi trailer	24 V, 5-pin	449 331; 449 374	ISO 7638 Connector
449 132 080 0	VCS I / II	8 m	Power Semi trailer	24 V, 5-pin	449 331; 449 374	ISO 7638 Connector
449 132 120 0	VCS I / II	12 m	Power Semi trailer	24 V, 5-pin	449 331; 449 374	ISO 7638 Connector
449 133 120 0	VCS II	12 m	Power Semi trailer	24 V, 7-pin	449 385 ...	ISO 7638 Connector
449 134 337 0	VCS II	12 m / 12 m	Power / 24N Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 142 050 0	Vario C	5 m	Power Semi trailer	24 V, 5-pin, PG 16		ISO 7638 Connector
449 142 120 0	Vario C	12 m	Power Semi trailer	24 V, 5-pin, PG 16		ISO 7638 Connector
449 144 157 0	VCS II	12 m	Power / Diag Semi trailer	24 V, 7-pin	Diag: 446 300 329 2	ISO 7638 Connector
449 225 100 0	VCS II	10 m	Power Drawbar	24 V, 5-pin		ISO 7638 Plug
449 225 120 0	VCS II	12 m	Power Drawbar	24 V, 5-pin		ISO 7638 Plug
449 233 100 0	VCS I / II	10 m	Power Drawbar	24 V, 7-pin		
449 320 120 0	VCS II	12 m	Power	7-pin		
449 320 150 0	VCS II	15 m	Power	7-pin		
449 336 030 0	VCS II	3 m	T ECAS (Power+ Diag)	6-pin, Diode		
449 337 328 0	VCS II	3 m / 12 m	T ECAS (Power+ Diag) / Mod	6-pin, Diode / ISO 15170-B1-3.1-Sn/K1		
449 340 153 0	VCS II	6 m / 3 m	Diag / ELM		Diag: 446 300 329 2	
449 354 253 0	VCS I	6 m / 6 m	Diag / ELM		Diag: 446 300 329 2	
449 374 281 0	VCS II	0.25 m	Power / 24N		449 132; 449 242	
449 374 323 0	VCS II	1 m	Power / 24N		449 132; 449 242	
449 375 003 0	VCS II	0.3 m	Power	5-pin	449 132; 449 242	
449 375 030 0	VCS II	3 m	Power	5-pin	449 132; 449 242	
449 375 060 0	VCS II	6 m	Power	5-pin	449 132; 449 242	
449 386 143 0	VCS II	1 m	Power / Diag	ISO 7638, 24 V		
449 423 060 0	Vario C	6 m	Mod	ISO 15170-B1-3.1-Sn/K1		PG 11
449 423 120 0	Vario C	12 m	Mod	ISO 15170-B1-3.1-Sn/K1		PG 11
449 534 148 0	VCS II	3 m	2x Mod	2 x ISO 15170-B1-3.1-Sn/K1		
449 534 253 0	VCS II	6 m	2x Mod	2 x ISO 15170-B1-3.1-Sn/K1		
449 544 248 0	VCS II	4 m / 4 m / 12 m	3x Mod	3 x ISO 15170-B1-3.1-Sn/K1		
449 615 030 0	VCS II	3 m	Diag			
449 615 060 0	VCS II	6 m	Diag			
449 616 148 0	VCS II	3 m / 3 m	Diag / Mod	ISO 15170-B1-3.1-Sn/K1		
449 616 153 0	VCS II	3 m / 6 m	Diag / Mod	ISO 15170-B1-3.1-Sn/K1		

Part number	Applica- tion	Length	Connection	Electrical connec- tions	Opposite	Comments
449 616 156 0	VCS II	3 m / 10 m	Diag / Mod	ISO 15170-B1-3.1- Sn/K1		
449 616 235 0	VCS II	5 m / 8 m	Diag / Mod	ISO 15170-B1-3.1- Sn/K1		
449 617 253 0	VCS II	6 m	Diag / GIO			
449 620 156 0	VCS II	10 m	Diag / T ECAS			
449 712 018 0	ABS / EBS	1.8 m	Speed Sensor			Elongation
449 712 030 0	ABS / EBS	3 m	Speed Sensor			Elongation
449 712 080 0	ABS / EBS	8 m	Speed Sensor			Elongation
449 712 120 0	ABS / EBS	12 m	Speed Sensor			Elongation
449 715 030 0	VARIO C	3 m	Speed Sensor	2-pin		PG 11
449 715 050 0	VARIO C	5 m	Speed Sensor	2-pin		PG 11
449 715 065 0	VARIO C	6.5 m	Speed Sensor	2-pin		PG 11
449 715 080 0	VARIO C	8 m	Speed Sensor	2-pin		PG 11
449 715 100 0	VARIO C	10 m	Speed Sensor	2-pin		PG 11
449 715 150 0	VARIO C	15 m	Speed Sensor	2-pin		PG 11
894 601 132 2	ABS/EBS	0.15 m	Adapter	DIN 72585 B1-3.1- Sn/K1	Kostal M 24 Plug	

5.05 Valve ABS


400 600 464 0 Set: ABS Relay Modulator 472 195 031 0 + Adaptor Cable 894 601 132 2

Replacement for 472 195 031 0




400 600 465 0 Set: ABS Relay Modulator 472 195 041 0 + 2x Adaptor Cable 894 601 132 2

Replacement for 472 195 041 7



400 603 430 0 Set: Trailer EBS Relay Valve 480 207 001 0, Adaptor Cable 894 601 132 2, 894 601 134 2, Push-in connector 893 803 950 0


472 195 005 0 ABS-Solenoid Modulator Valve, 12 V. Kostal M 24x1, 1/2-14 NPTF



472 195 006 0 ABS-Solenoid Modulator Valve, 24 V. Kostal M 24x1, 1/2-14 NPTF

472 195 009 0 ABS-Solenoid Modulator Valve, 24 V. Bayonet, M 22x1.5

Vehicle Applic. ERF, Iveco, Leyland DAF, MAN, PEGASO




472 195 016 0 ABS-Solenoid Modulator Valve, 24 V. Bayonet DIN 72585-A1-3.1-SN/K1, M 22x1.5. Voss 230

Cross Ref. MAN (472/195/016/0), Renault-VI (5010143058), MAN (81524526019), Mercedes (A0044296544)

Vehicle Applic. DAF, EVO-Bus, Mercedes

Alternative for 472 195 008 0, 472 195 069 0



472 195 018 0 ABS-Solenoid Modulator Valve, 24 V. Bayonet DIN 72585-A1-3.1-SN/K1, M 22x1.5


Vehicle Applic. Kamaz, Maz, Ural

Alternative for 472 195 004 0

472 195 031 0 ABS Relay Modulator, 24 V. Bayonet DIN 72585-A1-3.1-SN/K1, M 22x1.5

Exchange Unit 472 195 031 7

Alternative for 472 195 020 0



472 195 033 0 ABS Relay Modulator,
24 V. Bayonet DIN 72585-
A1-3.1-SN/K1, M 22x1.5

Replacement for 472 195 032 0

Alternative for 472 195 021 0



472 195 041 0 ABS Boxer Valve, 24 V.
Bayonet DIN 72585-
A1-3.1-SN/K1, M 22x1.5.
M 22x1.5

Exchange Unit 472 195 041 7

Alternative for 472 195 040 0



472 195 043 0 ABS Boxer Valve, 24 V. Bayonet DIN 72585-
A1-3.1-SN/K1, M 22x1.5. M 22x1.5, Black

472 195 052 0 ABS-Solenoid Modulator Valve, 12 V. Bayonet
DIN 72585-A1-3.1-SN/K1, 1/2-14 DRY SEAL NPTF

Alternative for 472 195 005 0

472 195 055 0 ABS-Solenoid Modulator
Valve, 24 V. Bayonet DIN
72585-A1-3.1-SN/K1, M
22x1.5. Voss 230

Cross Ref. Iveco (5006034256,
5006143405,
9472195055), Scania
(1453761)

Vehicle Applic. Iveco



472 195 096 0 ABS-Solenoid Modulator
Valve, 24 V. Bayonet DIN
72585-A1-3.1-SN/K1,
1/2-14 DRY SEAL NPTF

Vehicle Applic. Mercedes



472 195 097 0 ABS-Solenoid Modulator Valve, 24 V. Bayonet
DIN 72585-A1-3.1-SN/K1, M 22x1.5

Cross Ref. Scania (1453761)

Replacement for 472 195 018 0

5.06 Speed Sensor

441 032 043 4 Plug for ABS-Sensor (VCS I)

441 032 068 0 ABS-Sensor. RVI, Length
1.38 m, without Socket

Vehicle Applic. Maz

Replacement for 441 032 054 0, 441 032
067 0



441 032 083 0 ABS-Sensor. Length 2.0 m, without Socket

Vehicle Applic. Maz

Alternative for 441 032 043 0

441 032 099 0 ABS-Sensor. Length 2.5 m, without Socket

441 032 452 0 ABS-Sensor. Length 3.0
m, without Socket, Boot,
right



441 032 453 0 ABS-Sensor. Length 2.92 m, without Socket,
Boot, left

441 032 476 0 ABS-Sensor. Length 0.5
m, with Socket



441 032 487 0 ABS-Sensor. Length 3.0 m, with Socket, Boot,
MB/SK range

Cross Ref. Mercedes (A0005423318), Mercedes
(A0015423318)

Vehicle Applic. EVO-Bus, Mercedes

441 032 488 0 ABS-Sensor. Length 2.0
m, with Socket, Boot,
MB/SK range

Cross Ref. Mercedes (A0005423118),
Mercedes (A0015423118)

Vehicle Applic. EVO-Bus, Mercedes



441 032 562 0 ABS-Sensor. Length 1.94
m, with Plug M 27x1.5

Replacement for 441 032 625 0



441 032 623 0 ABS-Sensor. Length 2.9 m, with Plug M 27x1.5,
Protective pipe, Front axle

Cross Ref. Mercedes (A3575400317)

441 032 624 0 ABS-Sensor. Length 2.9 m, with Plug M 27x1.5,
Protective pipe, Front axle

Cross Ref. Mercedes (A3575400417)

441 032 646 0 ABS-Sensor. Length 2.055 m, with Plug, left


Cross Ref. Mercedes (A3555405017)

441 032 647 0 ABS-Sensor. Length 2.055 m, with Plug, right

Cross Ref. Mercedes (A3555404917)


441 032 671 0 ABS-Sensor. Length 1.43 m, with Plug

441 032 709 0 ABS-Sensor. Length 0.88 m, with Socket, Audi
Replacement for 441 032 674 0



441 032 721 0 ABS-Sensor. Length 0.82 m, with Socket, Audi

441 032 727 0 ABS-Sensor. Length 3.00 m, with Socket, Boot, MB/SK range
Cross Ref. Mercedes (A0005429718)
Vehicle Applic. EVO-Bus, Mercedes



441 032 765 0 ABS-Sensor. Length 1.44 m, with Plug, Boot

441 032 767 0 ABS-Sensor. Length 1.5 m, with Plug, Boot

441 032 855 0 ABS-Sensor. Length 1.25 m, with Plug

441 032 856 0 ABS-Sensor. Length 1.5 m, with Plug

441 032 858 0 ABS-Sensor. Length 2.05 m, with Plug

Vehicle Applic. Iveco

441 032 859 0 ABS-Sensor. Length 2.3 m, with Plug

Vehicle Applic. Iveco

441 032 862 0 ABS-Sensor. Length 2.5 m, with Socket Black

Vehicle Applic. Iveco

441 032 863 0 ABS-Sensor. Length 2.5 m, with Socket Orange


Vehicle Applic. Iveco

441 032 874 0 ABS-Sensor. Length 1.4 m, with Socket

441 032 878 0 ABS-Sensor. Length 0.23 m, with Socket

Vehicle Applic. DAF

441 032 879 0 ABS-Sensor. Length 1.0 m, with Socket, Boot



441 032 920 0 ABS-Sensor. Length 2.5 m, with Socket, Boot

Cross Ref. Mercedes (A0025423818)

Replacement for 441 032 430 0


Alternative for 441 032 429 0, 441 032 922 0

441 032 920 2 Sensor with Grease and Bush 441 032 092 0. Length 3.55 m

Replacement for 441 032 030 0, 441 032 055 0, 441 032 070 0, 441 032 082 0, 441 032 092 0

441 032 921 0 ABS-Sensor, Length 3,000 m, with Socket
Cross Ref. Mercedes (A0015428818)
Replacement for 441 032 456 0

441 032 921 2 Sensor with Grease and Bush 441 032 808 0. Length 0.4 m
Replacement for 441 032 578 0, 441 032 633 0



441 032 922 2 Sensor with Grease and Bush 441 032 809 0. Length 1 m

Replacement for 441 032 579 0, 441 032 634 0, 441 032 809 0

441 032 960 2 Sensor with Grease and Bush 441 032 775 0. Length 0.4 m

Replacement for 441 032 806 0, 441 032 807 0

441 032 961 2 Sensor with Grease and Bush 441 032 852 0. Length 0.97 m

Replacement for 441 032 852 0

441 032 963 2 Sensor with Grease and Bush 441 032 905 0. Length 0.35 m

Replacement for 441 032 443 0, 441 032 905 0

441 032 966 2 Sensor with Grease and Bush 441 032 813 0. Length 1.7 m

Replacement for 441 032 570 0, 441 032 617 0, 441 032 813 0

441 032 968 2 Sensor with Grease and Bush 441 032 900 0. Length 1.7 m

Replacement for 441 032 432 0, 441 032 900 0, 441 032 919 0, 441 032 936 0, 441 032 937 0, 441 032 938 0


441 032 976 2 Sensor with Grease and Bush 441 032 108 0. Length 1.7 m

Replacement for 441 032 103 0

899 759 815 4 Clamping Bush CrNi

Cross Ref. Renault-VI (5000790126), Mercedes (A9755420050)

Vehicle Applic. Becema, DAF, Kamaz, Maz, Mercedes, Ural



899 760 510 4 Clamping Bush CuBe

Cross Ref. Mercedes (3555420273), Volvo (526056011000), Mercedes (533383003010), Renault-VI (7401196983), Mercedes (A3555420273)

Vehicle Applic. Dennis, ERF, Iveco, Maz, Mercedes, Volvo

Always replace the clamping bush with the sensor! use grease 830 503 062 4.

5.07 EBS Motor Vehicle

446 130 014 0 EBS ECU 4S/4M for AC-TROS / ATEGO

Cross Ref. Mercedes (A0004462636), Mercedes (A00044626360026)

Replacement for 446 130 004 0, 446 130 010 0

**446 130 028 0 EBS ECU, Bus 4S/4M**

Replacement for 446 130 024 0

446 130 053 0 EBS ECU, MP II, 4S/4M

Cross Ref. Mercedes (A0004464136), Mercedes (A0004466236)

Alternative for 446 130 050 0, 446 130 051 0

**446 130 054 0 EBS ECU, EBS 1c, 4S/4M**

Cross Ref. Mercedes (A0004464336)

472 250 000 0 Proportional valve. Kostal, M 27x1

Vehicle Applic. Dennis, ERF, Maz

**472 250 003 0 Proportional valve. Bayonet, M 12x1.5**

Vehicle Applic. Iveco, Maz, PEGASO

472 250 007 0 Proportional valve. Bayonet DIN 72585-B1-2.1-SN/K1**473 303 000 0 Reducing Valve, M 16x1.5**

Cross Ref. Mercedes (A0054297044)

480 001 000 0 Brake Signal Transmitter. Voss 230

Vehicle Applic. Mercedes

**480 001 005 0 Brake Signal Transmitter. Voss 230/232**

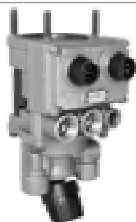
Replacement for 480 001 004 0

480 001 010 0 Brake Signal Transmitter with silencer. Voss 232

Cross Ref. Mercedes (A0034318506)

480 001 500 0 Brake Signal Transmitter, with silencer. Voss 232

Vehicle Applic. DAF

**480 103 011 0 EBS Axle modulator. Application: 4x2**

Cross Ref. Mercedes (A0004292124)

Replacement for 480 103 002 0, 480 103 004 0, 480 103 006 0

**480 103 012 0 EBS Axle modulator. Application: 6x2, 6x4, 8x4**

Replacement for 480 103 005 0, 480 103 007 0

480 103 015 0 EBS Axle modulator. Application: 4x2

Cross Ref. Mercedes (A0004292624)

480 202 004 0 Proportional Relay Valve. Port 1-2: M 22x1.5. Port 4: M 22x1.5. Voss threads, with silencer

Cross Ref. Mercedes (A0054291244), Mercedes (A0054296944)

Vehicle Applic. EVO-Bus, Mercedes

Replacement for 480 202 001 0

**480 202 005 0 Proportional Relay Valve. Application: 8x4. Port 1-2: M 22x1.5. Port 4: M 22x1.5. Voss threads, with silencer**

Vehicle Applic. DAF

480 204 002 0 Trailer Control Valve

Cross Ref. MAN (81523016208), Mercedes (A0004319413)

Vehicle Applic. MAN

Alternative for 480 204 000 0, 480 204 001 0

**480 205 001 0 3/2 Relay Valve, P2 : P41 = 1 : 2, for Voss push-in fittings**

Cross Ref. Mercedes (A0044299144)

Vehicle Applic. Mercedes

**480 205 010 0 3/2 Relay Valve, P2 : P41 = 1 : 1, for Voss Ports**

Vehicle Applic. EVO-Bus

480 205 103 0 3/2 Relay Valve, without Port 43, P2 : P41 = 1 : 2, for Voss Ports

Vehicle Applic. DAF



480 207 001 0**EBS Relay Valve. Port
Electrical Bayonet (DIN
72585). Drawbar**

Cross Ref.

Krone (0642070010),
Kögel (3391030), Schmitz
(54564), Krone
(5813520/0)

Please note that devices for replacement have to be calibrated or parameterised. Training and diagnosis are required.

5.08 Cable EBS (Motor Vehicle)

5



449 753 100 0

Part number	Type	Length	Connection	Electrical connections	Comments
449 413 080 0	Bayonet	8 m	ISO 15170-B1-3.1-SN/K1	3x bared ends	
449 413 100 0	Bayonet	10 m	ISO 15170-B1-3.1-SN/K1	3x bared ends	
449 515 150 0	Bayonet	15 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 716 008 0	Sensor	0.8 m	Plug	3-pin, 3x bared ends	
449 722 100 0	Solenoid	10 m	ISO 15170-B1-4.1-Sn/K1	4x bared ends	90° Plug
449 725 015 0	Wear Indicator	1.5 m	Plug	Plug	
449 725 022 0	Wear Indicator	2.2 m	Plug	Plug	
449 726 015 0	Wear Indicator	1.5 m	Plug	Socket	
449 726 023 0	Wear Indicator	2.3 m	Plug	Socket	
449 727 012 0	Wear Indicator	1.2 m		3-pin, 2x bared ends	
449 728 040 0	Wear Indicator	4 m	Plug	2x bared ends	
449 728 065 0	Wear Indicator	6.5 m	Plug	2x bared ends	
449 729 040 0	Wear Indicator	4 m	Socket	2x bared ends	
449 753 100 0	Wear sensor	10 m		3x bared ends	
449 754 035 0	Wear sensor	3.5 m		3-pin	
449 755 019 0	Speed Sensor	0.19 m		2-pin	Elongation
449 755 025 0	Speed Sensor	0.25 m		2-pin	Elongation
449 756 013 0	Wear sensor	1.3 m	Socket	3-pin	
449 756 015 0	Wear sensor	1.5 m	Socket	3-pin	
449 756 017 0	Wear sensor	1.7 m	Socket	3-pin	
449 756 035 0	Wear sensor	3.5 m	Socket	3-pin	
449 757 027 0	Wear Indicator	2.7 m			Elongation

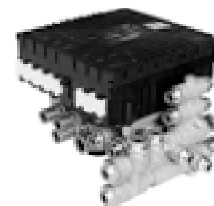
5.09 EBS Trailer

446 192 110 0 SmartBoard
Repair Kit 446 192 920 2 (Battery)



480 102 064 0 Trailer EBS E1 Premium, max. 4S/3M, PEM, number of GIO: 7, Function ECAS

Alternative for 480 102 061 0;
480 102 063 0



446 192 111 0 SmartBoard for ADR Vehicles

480 102 010 0 Trailer EBS D, Standard, 4S/2M

Cross Ref. Kögel (6501692)



971 002 805 0 EBS Emergency Valve. Port for Sensors M 16x1.5

Alternative for 971 002 802 0



480 102 014 0 Trailer EBS D, 4S/3M, with RSS. With loading of the battery, with Telematic

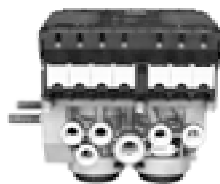
Cross Ref. Kögel (2349975), Schmitz (56662), Krone (5816896/0)

Alternative for 480 102 000 0

480 102 020 0 Trailer EBS D, 4S/2M, 12 V

480 102 030 0 Trailer EBS E1 Standard, 2S/2M, number of GIO: 4

Alternative for 480 102 032 0



971 002 900 0 Park Release Emergency Valve (PREV), with Data-plate 971 002 103 4

Cross Ref. Kögel (22361687)

Vehicle Applic. Trailer EBS

Alternative for 971 002 902 0

Actuating knob: 971 002 923 2
red

Actuating knob: 971 002 924 2
black



971 002 902 0 Park Release Emergency Valve (PREV)

Cross Ref. Schmitz (57016), Krone (5817911/1)

Actuating knob: 971 002 923 2
red

Actuating knob: 971 002 924 2
black

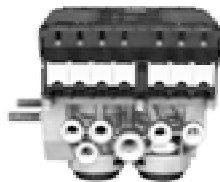
480 102 034 0 Trailer EBS E1 Standard, 2S/2M, PEM, number of GIO: 4

Alternative for 480 102 031 0;
480 102 033 0



480 102 060 0 Trailer EBS E1 Premium, max. 4S/3M, number of GIO: 7. Function ECAS

Alternative for 480 102 062 0



Please note that devices for replacement have to be calibrated or parameterised. Training and diagnosis are required.

5.10 Cable EBS (Trailer)



449 172 120 0



449 233 100 0



449 614 253 0



449 672 060 0



449 752 030 0

Part number	Application	Length	Connection	Electrical connections	Opposite	Comments
449 133 120 0	T EBS D/ E	12 m	Power Semi trailer	24 V, 7-pin	449 333 ...	ISO 7638 Connector
449 133 150 0	T EBS D/ E	15 m	Power Semi trailer	24 V, 7-pin	449 333 ...	ISO 7638 Connector
449 135 005 0	T EBS D/ E	0.5 m	Power Semi trailer	24 V, 7-pin	449 335 ...	ISO 7638 Connector
449 172 090 0	T EBS D	9 m	Power Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 172 120 0	T EBS D	12 m	Power Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 172 130 0	T EBS D	13 m	Power Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 172 150 0	T EBS D	15 m	Power Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 173 120 0	T EBS E	12 m	Power Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 173 130 0	T EBS E	13 m	Power Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 173 150 0	T EBS E	15 m	Power Semi trailer	24 V, 7-pin		ISO 7638 Connector
449 233 100 0	T EBS D/ E	10 m	PowerDrawbar	24 V, 7-pin	449 333 ... / 449 347 ... 0	
449 272 060 0	T EBS D	6 m	PowerDrawbar	24 V, 7-pin		ISO 7638
449 272 090 0	T EBS D	9 m	PowerDrawbar	24 V, 7-pin		ISO 7638
449 272 100 0	T EBS D	10 m	PowerDrawbar	24 V, 7-pin		ISO 7638
449 272 120 0	T EBS D	12 m	PowerDrawbar	24 V, 7-pin		ISO 7638
449 273 100 0	T EBS E	10 m	PowerDrawbar	24 V, 7-pin		ISO 7638
449 333 003 0	T EBS D	0.3 m	Power	7-pin	449 133; 449 233 ...	
449 333 025 0	T EBS D	2.5 m	Power	7-pin	449 133; 449 233 ...	
449 335 140 0	T EBS D	14 m	Power	7-pin	449 135 ...	
449 341 183 0	T EBS D	1 m / 4 m	Power 24 N / Reset	ISO 15170-B1-3.1-Sn/K1 / ISO 15170-A1-3.1-Sn/K1		
449 347 003 0	T EBS E	0.3 m	Power		449 133 /449 233..	
449 348 020 0	T EBS E	2 m	TCE		TCE X22	
449 350 010 0	T EBS E	1 m	Power 24 N	ISO 15170 -B1-2.1-Sn/K1		
449 356 023 0	T EBS E	1 m / 0.4 m	traction help	24 N		
449 371 180 0	T EBS E	18 m	Power	7-pin bared ends		
449 372 030 0	T EBS D	3 m	EBS relay valve			
449 372 080 0	T EBS D	8 m	EBS relay valve			
449 372 120 0	T EBS D	12 m	EBS relay valve			
449 377 080 0	T EBS D	8 m	IVTM			
449 429 030 0	T EBS E	3 m	EBS relay valve	1x ISO 15170-B1-2.1- Sn/K1, 2 x B1-3.1-Sn/K1		
449 429 080 0	T EBS E	8 m	EBS relay valve	1x ISO 15170-B1-2.1- Sn/K1, 2 x B1-3.1-Sn/K1		
449 436 080 0	T EBS E	8 m	ABS Relay Modulator			
449 438 050 0	T EBS E	5 m	ECAS ECU			
449 443 008 0	T EBS E	0.8 m	RTR, Lift Axle Control Valve	ISO 15170-B1-2.1-Sn/K1		
449 443 010 0	T EBS E	1 m	RTR, Lift Axle Control Valve	ISO 15170-B1-2.1-Sn/K1		
449 443 040 0	T EBS E	4 m	RTR, Lift Axle Control Valve	ISO 15170-B1-2.1-Sn/K1		
449 445 050 0	T EBS E	5 m	ECAS-Solenoid Valve	ISO 15170-B1-3.1-Sn/K1		
449 535 060 0	T EBS E	6 m	GIO	4-pin bared ends		

Part number	Application	Length	Connection	Electrical connections	Opposite	Comments
449 611 060 0	T EBS E	6 m	Diagnostic connection			Premium
449 627 060 0	T EBS E	6 m	ECAS control box			
449 672 060 0	T EBS D	6 m	Diagnostic Connection			
449 712 018 0	ABS /EBS	1.8 m	Speed Sensor			Elongation
449 712 030 0	ABS /EBS	3 m	Speed Sensor			Elongation
449 712 080 0	ABS /EBS	8 m	Speed Sensor			Elongation
449 712 120 0	ABS /EBS	12 m	Speed Sensor			Elongation
449 720 010 0	T EBS D	1 m	Wear Indicator			Elongation
449 720 050 0	T EBS D	5 m	Wear Indicator			Elongation
449 723 018 0	T EBS E	1.8 m	Speed Sensor			
449 723 023 0	T EBS E	2.3 m	Speed Sensor			
449 723 030 0	T EBS E	3 m	Speed Sensor			
449 723 040 0	T EBS E	4 m	Speed Sensor			
449 723 080 0	T EBS E	8 m	Speed Sensor			
449 723 100 0	T EBS E	10 m	Speed Sensor			
449 752 030 0	T EBS D	3 m	Pressure Sensor	ISO 15179-B1-3.1-Sn/K1		
449 752 080 0	T EBS D	8 m	Pressure Sensor	ISO 15179-B1-3.1-Sn/K1		
449 752 100 0	T EBS D	10 m	Pressure Sensor	ISO 15179-B1-3.1-Sn/K1		
449 762 150 0	T EBS D	15 m	traction help	bared ends		
449 811 050 0	T EBS E	5 m	ECAS Height Sensor			
449 834 013 0	T EBS D	1.3 m	Wear Indicator	6x Plug		
449 911 060 0	T EBS E	6 m	IVTM / SmartBoard			
449 913 050 0	T EBS E	5 m	IVTM			
449 914 010 0	T EBS E	1 m	Telematic			
449 915 010 0	T EBS E	1 m	Telematic			- GIO 5
449 916 182 0	T EBS E	4 m /4 m	IVTM + SmartBoard			
894 601 132 2	T EBS D	0.15 m	Adapter	DIN 72585 B1-3.1-Sn/K1	Kostal M 24 Plug	
894 601 133 2	T EBS D	0.15 m	Adapter	DIN 72585 B1-3.1-Sn/K1	Kostal M 24 Connector	
894 601 134 2	T EBS D	0.15 m	Adapter	DIN 72585 B1-2.1-Sn/K1	Kostal M 27 Plug	
894 601 135 2	T EBS D	0.15 m	Adapter	DIN 72585 B1-2.1-Sn/K1	Kostal M 27 Connector	

5.11 Accessory

441 044 101 0 Pressure Sensor. M 16x1.5. Bayonet DIN 72585-A1-3.1-Sn/K2, 400 mV/bar (16 counts/bar)

Replacement for 441 040 010 0, 441 040 013 0, 441 044 001 0



441 044 102 0 Pressure Sensor M 16x1.5. Bayonet DIN 72585-A1-3.1-Sn/K2, 400 mV/bar

Cross Ref. Iveco (504255336)
Replacement for 441 044 002 0; 441 040 015 0

441 044 108 0 Pressure Sensor M 16x1.5. Bayonet DIN 72585-A1-3.1-Sn/K2, 400 mV/bar

Replacement for 441 044 001 0

446 009 001 2 Plug 35-pin

Vehicle Applic. ERF, Iveco
Alternative for 446 055 022 0, 446 055 024 0




446 016 002 0 24 V. Info-Module

Cross Ref. MAN (81259356339)
Vehicle Applic. Iveco, Leyland DAF, Maz, Volvo




446 105 537 2 Lamp "Green", complete with Cable 10 m




894 070 704 4 Spade. Crimp Matrix 446 008 902 2. Positive Lock, 1,0 mm², for ABS Vario C

Cross Ref. Krone (505807517), Schmitz (7788058024)




446 186 001 0 TDM, 24 V



894 070 705 4 Spade. Crimp Matrix 446 008 902 2. Positiv Lock, 2,5 mm², for ABS Vario C


894 070 707 4 Spade. Crimp Matrix 446 008 902 2. Positiv Lock, 6.0 mm², for ABS Vario C



5

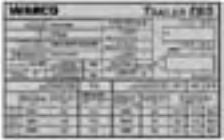
446 189 001 0 CAN Bus ECU

Cross Ref. Iveco (504085516)



899 200 922 4 System label EBS /ECAS /TCE /VCS. DIN A5

Cross Ref. Krone (5814306/0), Schmitz (8762370000)



894 055 981 4 Connector Info modul

Vehicle Applic. Maz

Brake Actuator, Slack Adjuster

6.01 Brake Chamber (Cam)

423 007 019 0 Type 30. Con-rod length 137, without gaiter, Yoke required

423 008 919 0 Type 36. Universal type, Con-rod length 186, with gaiter, Yoke required

Repair Kit 423 008 000 2

423 102 900 0 Type 9. Universal type. Push-rod length 186, with gaiter, Yoke required

Cross Ref. Haldex (120311101)

Vehicle Applic. ERF



423 103 900 0 Type 12. Universal type, Con-rod length 186, without Link. Exhaust with M16x1.5 internal thread. With flange mounted solenoid (472 123 109 0) for regeneration after the engine has stopped. Accessory

Cross Ref. Haldex (345125110)

Vehicle Applic. EVO-Bus

423 104 900 0 Type 16. Universal type, Con-rod length 186, without Link, Sealing Washer, Accessory

Cross Ref. Haldex (120331201)

Vehicle Applic. EVO-Bus, FAP, Kraz, Renault-VI, Sanos

423 105 084 0 Type 20. Con-rod length 70, with Link, with Sealing Washer

423 105 111 0 Type 20. Con-rod length 37, with gaiter, Yoke

Vehicle Applic. IKARBUS, Mercedes

423 105 199 0 Type 20. Con-rod length 37, with gaiter, with Yoke

Vehicle Applic. MAN

423 105 408 0 Type 20. Con-rod length 37, with gaiter, with Yoke

423 105 409 0 Type 20. Con-rod length 37, with gaiter, with Yoke

423 105 414 0 Type 20. Con-rod length 37, M 12x1.25, without gaiter, without Yoke

423 105 450 0 Type 20. Con-rod length 70, with Link, with gaiter, with Anti-Vibrations Set

423 105 704 0 Type 20. Con-rod length 37, with gaiter, Yoke

Cross Ref. Mercedes (A0074208318)

423 105 705 0 Type 20. Con-rod length 37, with gaiter, Yoke

Cross Ref. Mercedes (A0074208418)

423 105 900 0 Type 20. Universal type, Con-rod length 186, without Link, Sealing Washer, Accessory

Cross Ref. Haldex (120341101)

Vehicle Applic. DAF, IKARBUS, Leyland DAF, Neoplan, Renault-VI, Scania, Taz

423 106 088 0 Type 24. Con-rod length 70, Sealing Washer, Yoke

423 106 106 0 Type 24. Con-rod length 37, with gaiter. Yoke

Cross Ref. Knorr (BZ3539), Knorr (BZ3540)

Vehicle Applic. Mercedes, Neoplan

423 106 115 0 Type 24. Con-rod length 37, with gaiter, Yoke

Cross Ref. MAN (81511016264)

Vehicle Applic. MAN TGM 18.xxx + TGA 18.xxx F/FL/FLL

423 106 144 0 Type 24. Con-rod length 85, with gaiter, Sealing Washer

423 106 201 0 Type 24. Con-rod length 58, Sealing Washer, Yoke required

Cross Ref. Renault-VI (7403987121)

423 106 292 0 Type 24. Con-rod length 116, with gaiter, Yoke

Cross Ref. Haldex (120924315)

Vehicle Applic. MAN

423 106 450 0 Type 24. Con-rod length 70, with Link, with gaiter, with Anti-Vibrations Set

423 106 900 0 Type 24. Universal type, Con-rod length 186, without Yoke, Sealing Washer, Accessory

Cross Ref. Haldex (120350203)

Vehicle Applic. AWD, DAF, Leyland DAF, Renault-VI, Volvo

Replacement for 423 106 091 0



423 107 008 0 Type 30. Con-rod length 38, Sealing Washer, without Yoke

423 107 407 0 Type 30. Con-rod length 37, with gaiter, Yoke

Cross Ref. Mercedes (A0064200824)

Vehicle Applic. Mercedes

423 107 411 0 Type 30. Con-rod length 37, with Link, with gaiter, with Voss Push-in connector

Cross Ref. Mercedes (A0074209324)

Vehicle Applic. Mercedes

423 107 900 0 Type 30. Universal type, Con-rod length 186, without Link, Sealing Washer, Accessory

Cross Ref. Haldex (120361101)

Vehicle Applic. DAF, ERF, Raba, Trailor, Volvo

423 109 010 0 Type 27. Con-rod length 247, Sealing Washer, Yoke required

423 109 120 0 Type 27. Stroke 75, Gaiter, Yoke

Cross Ref. MAN (81511016481)

6.02 Brake Chamber (Wedge Brakes)

423 045 000 0 Type 20. Length till port 194, M 45x1.5

Repair Kit 425 333 001 2

423 046 000 0 Type 24. Length till port 192,5. M 45x1.5

Repair Kit 425 331 000 2

423 046 001 0 Type 24. Length till port 267.5. M 45x1.5

Repair Kit 425 331 000 2

423 069 002 0 Type 9. Length till port 237. Four hole flange

Repair Kit 423 069 000 2



423 142 001 0 Type 9. Length till port 138. Thread 1.75" -12-UNS

Vehicle Applic. Iveco, Volvo

Repair Kit 423 042 000 2

423 143 001 0 Type 12. Length till port 138. Thread 1.75" -12-UNS

Vehicle Applic. Iveco

Repair Kit 423 043 000 2

423 143 004 0 Type 12. Length till port 187. Thread 1.75" -12-UNS

Repair Kit 423 043 000 2

6.03 Brake Chamber (Disc Brakes)

423 104 700 0 Type 16. Con-rod length 26

423 104 701 0 Type 16. Con-rod length 26

423 104 710 0 Type 16. Con-rod length 15

Cross Ref. Mercedes (A0064205224)

Repair Kit 423 104 002 2



423 104 716 0 Type 16. Con-rod length 15

423 105 020 0 Type 20. Con-rod length 15

Cross Ref. MAN (81511016384)

Vehicle Applic. MAN

423 114 710 0 Type 14. Con-rod length 15

423 504 012 0 Type 16. Con-rod length 15

Cross Ref. Renault-VI (5010422313)

423 505 000 0 Type 20. Con-rod length 15

Cross Ref. Mercedes (A0074201224)

423 506 001 0 Type 24. Con-rod length 15

Repair Kit 423 506 001 2

423 506 003 0 Type 24. Con-rod length 15

Cross Ref. Renault-VI (5010422753)

Repair Kit 423 506 001 2

423 506 020 0 Type 24. Con-rod length 15

Repair Kit 423 506 001 2

423 506 021 0 Type 24. Con-rod length 15

Repair Kit 423 506 001 2

423 506 102 0 Type 24. Con-rod length 15

Cross Ref. Renault-VI (20708819)

Repair Kit 423 506 001 2

423 506 120 0 Type 24. Con-rod length 15

423 506 130 0 Type 24. Con-rod length 15

423 506 143 0 Type 24. Con-rod length 15

Repair Kit 423 506 001 2

423 514 020 0 Type 14. Con-rod length 15

6.04 Spring Brake (Cam Brake)

925 322 215 0	30/30". Con-rod length 37, with Yoke, with gaiter
Exchange Unit	925 322 215 7
Repair Kit	925 322 006 2 (diaphragm part)
925 323 130 0	36/30". Con-rod length 217, M 16x1.5. Universal type, with gaiter
Exchange Unit	925 323 130 7
Alternative for	925 323 120 0
925 324 250 0	16/24". Con-rod length 60, with Yoke, with gaiter
Repair Kit	925 324 003 2 (diaphragm part)
925 324 260 0	16/24". Con-rod length 60, with Yoke, with gaiter
Repair Kit	925 324 003 2 (diaphragm part)
925 325 118 0	12/12". Con-rod length 37, with Yoke, with gaiter
Vehicle Applic.	MAN
Exchange Unit	925 325 118 7
Repair Kit	925 325 004 2 (diaphragm part)
925 326 000 0	14/12". Con-rod length 37, with Yoke, with gaiter
Vehicle Applic.	MAN
Exchange Unit	925 326 000 7
Repair Kit	925 326 000 2 (diaphragm part)
925 420 750 0	20/24". Con-rod length 75, with Yoke, with gaiter
Cross Ref.	MAN (81504106607)
Vehicle Applic.	MAN TGM 18.xxx
Exchange Unit	925 420 750 7
925 421 347 0	24/24". Con-rod length 220, with Yoke, with gaiter
Repair Kit	925 321 000 2 (diaphragm part)
925 421 500 0	24/30". Con-rod length 85. Sealing Washer. Yoke
Cross Ref.	DAF (1459614)
Exchange Unit	925 421 500 7
Repair Kit	925 421 006 2 (diaphragm part)
925 421 750 0	24/24". Con-rod length 75, with Yoke, with gaiter
Cross Ref.	MAN (81504106610)
Vehicle Applic.	MAN
Exchange Unit	925 421 750 7
Repair Kit	925 321 007 2 (diaphragm part)
925 421 751 0	24/24". Con-rod length 200, with Yoke, with gaiter
Cross Ref.	MAN (81504106609)
Vehicle Applic.	MAN
Repair Kit	925 321 007 2 (diaphragm part)
925 421 752 0	24/24". Con-rod length 200, with Yoke, with gaiter
Cross Ref.	MAN (81504106608)



Vehicle Applic.	MAN
Repair Kit	925 321 007 2 (diaphragm part)
925 422 130 0	30/30". Con-rod length 85, with Sealing Washer
Exchange Unit	925 422 130 7
925 424 100 0	16/24". Con-rod length 187, with Yoke, with gaiter
Vehicle Applic.	Mercedes
Exchange Unit	925 424 100 7
Repair Kit	925 424 002 2 (diaphragm part)
925 427 010 0	22/30". Con-rod length 85, with Yoke, with Sealing Washer
925 430 036 0	20/24". Con-rod length 70, with Yoke, with Sealing Washer
Exchange Unit	925 430 036 7
925 430 066 0	20/24". Con-rod length 70, with Yoke, with gaiter
Exchange Unit	925 430 066 7
925 431 033 0	24/24". Con-rod length 70, with Yoke, with Sealing Washer
Exchange Unit	925 431 033 7
Repair Kit	925 431 008 2 (diaphragm part)
925 431 094 0	24/24". Con-rod length 58, without Yoke, with Sealing Washer
Exchange Unit	925 431 094 7
Repair Kit	925 431 902 2 (diaphragm part)
925 431 095 0	24/24". IBV. Con-rod length 247. Con-rod length 247, M 16x1,5, without Yoke, with Sealing Washer
Exchange Unit	925 431 095 7
925 431 100 0	24/24". Con-rod length 200, without Yoke, with Sealing Washer
Exchange Unit	925 431 100 7
Repair Kit	925 431 901 2 (diaphragm part)
925 431 490 0	24/30". Con-rod length 70, with Yoke, with Sealing Washer
Exchange Unit	925 431 490 7
Repair Kit	925 431 008 2 (diaphragm part)
925 432 115 0	30/30". Con-rod length 40, with Yoke, with Sealing Washer
Cross Ref.	Scania (1446059)
Exchange Unit	925 432 115 7
925 432 420 0	30/30". Con-rod length 86, with Yoke, with Sealing Washer
Cross Ref.	Renault-VI (5010485493)



925 432 440 0	30/30". Con-rod length 70, with Yoke, with Sealing Washer
Exchange Unit	925 432 440 7
925 439 400 0	27/30". Con-rod length 300, with Yoke, with Sealing Washer
Exchange Unit	925 439 400 7
Repair Kit	925 329 000 2 (diaphragm part)
925 439 401 0	27/30". Con-rod length 86, with Yoke, with Sealing Washer
Exchange Unit	925 439 401 7
Repair Kit	925 329 000 2 (diaphragm part)
925 453 200 0	36/36". Con-rod length 184, M 16x1.5, with gaiter
Exchange Unit	925 453 200 7
925 490 102 0	20/24". IBV. Release pressure 4.9 bar. Con-rod length 250, M 16x1.5. Universal type
Exchange Unit	925 490 102 7
925 490 901 0	20/30". IBV. Release pressure 5.1 bar. Con-rod length 37. Normal yoke. Sealing: Disc, with Voss 232
Cross Ref.	Mercedes (A0194209718)
Alternative for	925 420 901 0
925 490 902 0	20/24". IBV. Release pressure 5.1 bar. Con-rod length 37. Normal yoke. Sealing: Disc, with Voss 232
Cross Ref.	Mercedes (A0194208918)
Alternative for	925 420 902 0
925 490 905 0	20/24". IBV. Release pressure 5.1 bar. Con-rod length 37. Normal yoke. Sealing: Disc, with Voss 232
Cross Ref.	Mercedes (A0194209018)
Alternative for	925 420 905 0
925 490 906 0	20/30". IBV. Release pressure 5.1 bar. Con-rod length 37. Normal yoke. Sealing: Disc, with Voss 232
Cross Ref.	Mercedes (A0194209818)
Alternative for	925 420 906 0
925 490 925 0	20/24". IBV. Universal type. Release pressure 5.1 bar. Con-rod length 250, M 16x1.5, without Yoke, with gaiter
Exchange Unit	925 490 925 7
Alternative for	925 320 138 0, 925 420 100 0, 925 420 103 0, 925 420 104 0
925 491 104 0	24/24". IBV. Release pressure 4.9 bar. Con-rod length 58, M 16x1.5, without Yoke, with Sealing Washer, M 16x1.5, for Parker
Exchange Unit	925 491 104 7
925 491 105 0	24/24". IBV. Release pressure 5.1 bar. Con-rod length 187, with Yoke, with gaiter, with Voss 230
Cross Ref.	Mercedes (A0194207718)
925 491 106 0	24/24". IBV. Release pressure 5.1 bar. Con-rod length 187, with Yoke, with gaiter, with Voss 230
Cross Ref.	Mercedes (A0194207818)


925 491 107 0	24/24". IBV. Release pressure 4.9 bar. Con-rod length 58, M 16x1.5, without Yoke, with Sealing Washer, M 16x1.5, for Parker
925 491 111 0	24/30". IBV. 4.9 bar. Con-rod length 250, M 16x1.5. Universal type
Exchange Unit	925 491 111 7
925 491 117 0	24/24". IBV. Release pressure 4.9 bar. Con-rod length 58, M 16x1.5, without Yoke, with Sealing Washer, M 16x1.5, for Parker
925 491 132 0	24/30". IBV. Release pressure 5.1 bar. Con-rod length 220, M 16x1.5
Exchange Unit	925 491 132 7
925 491 141 0	24/24". Universal type. Con-rod length. Release pressure 5.1 bar. Con-rod length 250, M 16x1.5, without Yoke, with gaiter
Exchange Unit	925 491 141 7
Alternative for	925 321 160 0, 925 321 202 0, 925 321 292 0, 925 321 341 0, 925 421 100 0, 925 421 104 0, 925 421 105 0, 925 421 106 0, 925 421 344 0, 925 421 347 0, 925 451 001 0, 925 491 105 0, 925 491 106 0
925 491 143 0	24/24". Universal type. Con-rod length. Release pressure 5.1 bar. Con-rod length 250, M 16x1.5, without Yoke, with gaiter
Exchange Unit	925 491 143 7
Alternative for	925 421 430 0, 925 421 431 0, 925 421 542 0, 925 421 543 0, 925 431 550 0, 925 431 551 0, 925 491 430 0, 925 491 431 0
925 491 900 0	24/24". IBV. Release pressure 5.1 bar. Con-rod length 37, with Yoke, with gaiter, with Voss 232
Cross Ref.	Mercedes (A0194209118)
Alternative for	925 421 900 0
925 491 901 0	24/24". IBV. Release pressure 5.1 bar. Con-rod length 37, with Yoke, with gaiter, with Voss 232
Cross Ref.	Mercedes (A0194209218)
Alternative for	925 421 901 0
925 492 001 0	30/24". IBV. Release pressure 4.9 bar, M 16x1.5, with Yoke. Stroke: 65 mm. Sealing Washer. IBV
Vehicle Applic.	Kamaz 6520, 5297, 6460, 6522, 5460
925 492 002 0	30/30". IBV. Release pressure 4.9 bar, M 16x1.5, without Yoke. Stroke: 65. Sealing Washer. IBV
Exchange Unit	925 492 002 7
925 492 100 0	30/24". IBV. Release pressure 5.5 bar. Con-rod length 250, M 16x1.5. Universal type
Exchange Unit	925 492 100 7
925 492 102 0	30/30". IBV. Universal type. Release pressure 5.1 bar. Con-rod length 250, M 16x1.5, without Yoke, with gaiter
Exchange Unit	925 492 102 7
Alternative for	925 322 064 0, 925 322 217 0, 925 422 122 0, 925 422 123 0, 925 422 208 0, 925 422 209 0, 925 422 217 0, 925 432 420 0, 925 452 001 0, 925 492 209 0
925 492 103 0	30/30". IBV. Universal type. Release pressure 5.1 bar. Con-rod length 250, M 16x1.5, without Yoke. Sealing: Disc

Exchange Unit	925 492 103 7
Alternative for	925 422 120 0, 925 432 401 0, 925 432 402 0, 925 432 405 0, 925 432 406 0

925 492 201 0	30/24". Release pressure 4.9 bar. Con-rod length 105, M 16x1.5, without Yoke, without gaiter
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925 492 206 0	30/30". IBV. Release pressure 5.1 bar. Con-rod length 250, 5/8"-18 UNF-2A. Universal type
Exchange Unit	925 492 206 7

925 492 213 0	30/30". IBV. Release pressure 5.1 bar. Con-rod length 37, with Yoke, with gaiter, with Voss 232
Cross Ref.	Mercedes (A0194208218)
Alternative for	925 422 213 0

925 494 041 0	16/24". Universal type. Release pressure 5.1 bar. Con-rod length 250. M 16x1.5, without Yoke, with gaiter	
Exchange Unit	925 494 041 7	
Alternative for	925 324 000 0, 925 324 100 0, 925 324 101 0, 925 424 100 0, 925 424 104 0, 925 424 105 0, 925 424 106 0, 925 454 001 0	

925 494 755 0	16/24". IBV. Universal type. Release pressure 5.5 bar. Con-rod length 250, M 16x1.5. Sealing Washer
Exchange Unit	925 494 755 7

IBV, Integrated Breather Valve

925 499 000 0	27/24". IBV. Release pressure 5.1 bar. Con-rod length 250, M 16x1.5. with gaiter. Universal type
Exchange Unit	925 499 000 7

925 499 001 0	27/30". IBV. Universal type. Release pressure 5.1 bar. Con-rod length 250. M 16x1.5, without Yoke, with gaiter
Exchange Unit	925 499 001 7
Alternative for	925 329 001 0, 925 329 011 0, 925 329 022 0, 925 329 032 0, 925 429 002 0, 925 429 012 0, 925 429 020 0, 925 439 401 0, 925 439 404 0, 925 439 405 0, 925 439 406 0

925 499 003 0	27/24". Release pressure 4.9 bar. Con-rod length 220, M 16x1.5 without Yoke, with Sealing Washer, M 16x1.5 for Parker push-in fittings
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925 499 004 0	27/24". Release pressure 4.9 bar. Con-rod length 247, M 16x1.5, without Yoke, with Sealing Washer, M 16x1.5 for Parker push-in fittings
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925 499 030 0	27/30". IBV. Release pressure 4.9 bar. Con-rod length 220, M 16x1.5. Stroke 65 mm, without Yoke
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925 499 031 0	27/30". IBV. Release pressure 4.9 bar. Con-rod length 247, M 16x1.5. Stroke 65 mm, without Yoke
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6.05 Spring Brake (Wedge Brake)

425 327 064 0	12/20". Length till port 187. Thread 1.75"-12-UNS
Vehicle Applic.	Iveco; Liaz 5256, 6212
Exchange Unit	425 327 064 7
Repair Kit	897 120 505 4 (only diaphragm)

425 451 052 0	24/24". Length till port 241. Thread Rc3/8, Four hole flange
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425 451 053 0	24/24". Length till port 241. Thread Rc3/8, Four hole flange
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425 457 100 0	24/24". Length till port 181. Thread M 48x1.5. Push-in connection Voss	
Cross Ref.	MAN (81504106588)	

6.06 Spring Brake (Disc Brake)

925 424 800 0	16/16". Con-rod length 15, con-rod end R = 8
Cross Ref.	MAN (81504106583), MAN (8150416583)
Vehicle Applic.	MAN TGL 7t und 8t
Repair Kit	925 426 000 2 (diaphragm part)

925 424 801 0	16/16". Con-rod length 15, con-rod end R = 8
Cross Ref.	MAN (81504106584)
Vehicle Applic.	MAN TGL 7t und 8t
Repair Kit	925 426 000 2 (diaphragm part)

925 426 200 0	14/16". Con-rod length 15, con-rod end R = 8	
Vehicle Applic.	MAN	
Repair Kit	925 426 000 2 (diaphragm part)	

925 426 201 0	14/16". Con-rod length 15, con-rod end R = 8
Vehicle Applic.	MAN
Repair Kit	925 426 000 2 (diaphragm part)

925 460 032 0 20/24". Con-rod length 15, con-rod end R = 8

925 460 100 0 20/24". Con-rod length 15, con-rod end R = 8

Cross Ref. Mercedes (A0184205518)

925 460 101 0 20/24". IBV. Con-rod length 15, con-rod end R = 8

Cross Ref. Mercedes (A0184205618)

925 460 102 0 20/24". Con-rod length 20, con-rod end R = 8

925 460 130 0 20/24". Con-rod length 20, con-rod end R = 8

925 461 290 0 24/16". Con-rod length 20, con-rod end R = 8

Repair Kit 925 461 003 2 (diaphragm part)

925 461 291 0 24/16". Con-rod length 20, con-rod end R = 8

Repair Kit 925 461 003 2 (diaphragm part)

925 461 470 0 24/30". Con-rod length 20, con-rod end R = 8

Repair Kit 925 461 003 2 (diaphragm part)

925 461 471 0 24/30". Con-rod length 20, con-rod end R = 8

Repair Kit 925 461 003 2 (diaphragm part)

925 464 450 0 16/16". Con-rod length 15, con-rod end R = 8

Cross Ref. Mercedes (A0174208818)

Exchange Unit 925 464 450 7

Repair Kit 925 464 002 2 (diaphragm part: up to production date 38/01)

925 464 451 0 16/16". Con-rod length 15, con-rod end R = 8

Cross Ref. Mercedes (A0174208918)

Exchange Unit 925 464 451 7

Repair Kit 925 464 002 2 (diaphragm part: up to production date 38/01)

925 464 452 0 16/16". Con-rod length 15, con-rod end R = 8

Exchange Unit 925 464 452 7

Repair Kit 925 464 002 2 (diaphragm part: up to production date 38/01)

925 464 500 0 16/24". Con-rod length 15, con-rod end R = 8

Cross Ref. Mercedes (A0184205318)

Exchange Unit 925 464 500 7

Repair Kit 925 464 002 2 (diaphragm part: up to production date 38/01)

925 464 501 0 16/24". Con-rod length 15, con-rod end R = 8

Cross Ref. Mercedes (A0184205218)

Exchange Unit 925 464 501 7

Repair Kit 925 464 002 2 (diaphragm part: up to production date 38/01)

925 480 004 0 20/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 230

Cross Ref. Mercedes (0154204318), Mercedes (0154204718), Mercedes (0194206518), Mercedes (A0194205518)

Alternative for 925 460 000 0



925 480 005 0 20/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 230

Cross Ref. Mercedes (0154204418), Mercedes (0154204618), Mercedes (0194206418), Mercedes (A0194205418)

Alternative for 925 460 001 0

925 480 010 0 20/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 232

Cross Ref. Mercedes (0154207518), Mercedes (0154208518), Mercedes (0204204918), Mercedes (A0204203318)

Alternative for 925 460 010 0

925 480 011 0 20/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 232

Cross Ref. Mercedes (0154207618), Mercedes (0154208618), Mercedes (0204205018), Mercedes (A0204203418)

Alternative for 925 460 011 0

925 481 012 0 24/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 232

Cross Ref. Mercedes (0154209318), Mercedes (0154209718), Mercedes (0194206718), Mercedes (A0194205718)

Alternative for 925 461 010 0

Repair Kit 925 481 000 2 (diaphragm part)

925 481 013 0 24/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 232

Cross Ref. Mercedes (0154209218), Mercedes (0154209818), Mercedes (0194206618), Mercedes (A0194205618)

Alternative for 925 461 011 0

Repair Kit 925 481 000 2 (diaphragm part)

925 481 032 0 24/24". IBV. Con-rod length 15, con-rod end R = 8

Exchange Unit 925 481 032 7

Repair Kit 925 481 000 2 (diaphragm part)

925 481 050 0 24/24". IBV. Con-rod length 15, con-rod end R = 8

Cross Ref. Renault-VI (7420522028)

Exchange Unit 925 481 050 7

925 481 051 0 24/24". IBV. Con-rod length 15, con-rod end R = 8

Cross Ref. Renault-VI (7420522029)

Exchange Unit 925 481 051 7

925 481 060 0 24/30". IBV. Con-rod length 15, con-rod end R = 8

Repair Kit 925 481 000 2 (diaphragm part)

925 481 070 0 24/30". IBV. Con-rod length 15, con-rod end R = 8

Repair Kit 925 481 000 2 (diaphragm part)

925 481 120 0 24/30". IBV. Con-rod length 15, con-rod end R = 8, M 16x1.5

925 481 121 0 24/30". IBV. Con-rod length 15, con-rod end R = 8, M 16x1.5

925 481 150 0 24/24". IBV. Con-rod length 15, con-rod end R = 8, M 22x1.5

Repair Kit 925 481 000 2 (diaphragm part)

925 481 151 0 24/24". IBV. Con-rod length 15, con-rod end R = 8, M 22x1.5

Repair Kit 925 481 000 2 (diaphragm part)

925 481 170 0 24/24". IBV. Con-rod length 15, con-rod end R = 8
 Replacement for 925 461 082 0
 Repair Kit 925 481 001 2 (diaphragm part)

925 481 171 0 24/24". IBV. Con-rod length 15, con-rod end R = 8
 Replacement for 925 461 083 0
 Repair Kit 925 481 001 2 (diaphragm part)

925 481 260 0 24/24". IBV. Con-rod length 15, con-rod end R = 8, M 22x1.5. Stroke 75 mm, IBV
 Replacement for 925 461 154 0

925 484 010 0 16/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 232
 Cross Ref. Mercedes (0154204118), Mercedes (0194206318), Mercedes (A0194205318)
 Alternative for 925 464 000 0

925 484 011 0 16/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 232
 Cross Ref. Mercedes (0154203418), Mercedes (0154204018), Mercedes (0194206218), Mercedes (A0194205218)
 Alternative for 925 464 001 0

925 484 020 0 16/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 232
 Cross Ref. Mercedes (0154206318), Mercedes (0154208118), Mercedes (0194205918), Mercedes (A0204206018)
 Alternative for 925 464 020 0

925 484 021 0 16/24". IBV. Con-rod length 15, con-rod end R = 8, with Voss 232
 Cross Ref. Mercedes (0154206218), Mercedes (0154208018), Mercedes (0194205818), Mercedes (A0204205918)
 Alternative for 925 464 021 0

IBV, Integrated Breather Valve

925 486 010 0 12/24". IBV. Con-rod length 15, con-rod end R = 8, with brackets, with Voss 232
 Cross Ref. Mercedes (0174209518), Mercedes (A0204203118)
 Vehicle Applic. Mercedes
 Alternative for 925 466 010 0

925 486 011 0 12/24". IBV. Con-rod length 15, con-rod end R = 8, with brackets, with Voss 232
 Cross Ref. Mercedes (0174209618), Mercedes (A0204203218)
 Vehicle Applic. Mercedes
 Alternative for 925 466 011 0

925 486 101 0 12/16". IBV. Con-rod length 15, con-rod end R = 8 m, with brackets, with Voss 232
 Cross Ref. Mercedes (A0214200118)
 Alternative for 925 466 101 0
 Repair Kit 925 486 000 2 (diaphragm part)

925 488 014 0 14/24". IBV. Con-rod length 15, con-rod end R = 8 m, with brackets, with Voss 232
 Cross Ref. Mercedes (0154205718), Mercedes (A0194205118)
 Alternative for 925 468 012 0

925 488 015 0 14/24". IBV. Con-rod length 15, con-rod end R = 8 m, with brackets, with Voss 232
 Cross Ref. Mercedes (0154205818), Mercedes (A0194205018)
 Alternative for 925 468 013 0

6.07 Double Diaphragm Spring Brake for Trailer

925 375 100 0 20/30". Con-rod length 213, without Yoke, M 16x1.5. Stroke 75 mm
 Alternative for 925 375 000 0

925 376 106 0 24/30". Con-rod length 264, with Link, M 16x1.5. Stroke 75 mm



925 377 100 0 30/30". Con-rod length 212, without Yoke, M 16x1.5, Stroke 75 mm

Alternative for 925 377 000 0



925 384 001 0 16/24". Con-rod length 15, con-rod end R = 8. For Disc Brakes



6.08 Spring Brake Actuator

425 307 013 0 Ø 100. Stroke 80. Total length 379, with Yoke, with gaiter

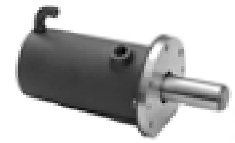
Repair Kit 425 307 001 2



425 311 004 0 Ø 65. Stroke 50

Exchange Unit 425 311 004 7

Repair Kit 425 311 000 2



425 307 018 0 Ø 100. Stroke 80. Total length 379, with gaiter

Replacement for 425 307 018 7

Repair Kit 425 307 002 2

6.09 Diaphragm



897 120 ...

Part number	Type	Diameter	Depth
897 120 495 4	9	ø 128	31
897 120 505 4	12	ø 139	31
897 120 510 4	16	ø 156	35
897 120 516 4	16	ø 157	44
897 120 520 4	20	ø 168	33
897 120 525 4	20	ø 168	38
897 120 526 4	20	ø 168	45
897 120 530 4	24	ø 179	33
897 120 535 4	24	ø 179	40
897 120 536 4	24	ø 179	45
897 120 540 4	30	ø 199	35
897 120 546 4	30	ø 200	44
897 120 547 4	27	ø 200	36
897 120 550 4	36	ø 224	46

6.10 Accessory

423 000 534 2 Normal yoke M 16x1.5. Stud Ø 14x45x31.2. 2x Split pin, 2x Hexagon nut M 16x1.5 + BM 16x1.5, Sealing ring A16x20, Screw plug M 16x1.5



423 000 535 2 Slotted yoke M 16x1.5. Stud Ø 14x45x35.6. Split pin, 2x Washer, 2x Hexagon nut M 16x1.5 + BM 16x1.5, Sealing ring A16x20, Screw plug M 16x1.5



423 902 533 2 Normal yoke. Hexagon nut M 16x1.5 / 2x M 12x1.5, Screw plug M 16x1.5, Sealing ring

423 902 534 2 Slotted yoke. Hexagon nut 2x M 12x1.5 / 1x M 16x1.5. Screw plug M 16x1.5

423 903 532 2 Normal yoke. 3x Hexagon nut M 16x1.5



6.11 Piston Cylinder

921 002 000 0 Type 3". Stroke 110, Bolt Ø12

Vehicle Applic. FAP
Repair Kit 921 002 001 2



921 004 000 0 Type 5". Stroke 140. Bolt ø14

Vehicle Applic. IKARBUS
Repair Kit 921 004 001 2

921 004 007 1 Type 5". Stroke 120.

921 006 000 0 Type, 6". Stroke 175. Bolt Ø14

Repair Kit 921 006 001 2

921 003 000 0 Type 4". Stroke 140. Bolt Ø 14

Vehicle Applic. FAP, Renault-VI
Repair Kit 921 003 001 2

6

6.12 Slack Adjuster

433 506 515 0 Manually operated. Spline N 42x1,5x6 H DIN 5480. Actuating lever 145 mm

Cross Ref. Mercedes (A3464201838); BPW (0517454700)



433 543 517 0 NAGS, automatic. Spline A38x34 DIN 5482. Actuating lever 175 mm

433 576 502 0 NAGS, automatic. Spline N 42x1,5x6 H DIN 5480. Actuating lever 145 mm. Wear Monitor

Cross Ref. DAF (1518706); Mercedes (3874200238)
Opposite 433 576 503 0


433 543 516 0 NAGS, automatic. Spline A38x34 DIN 5482. Actuating lever 175 mm

Vehicle Applic. EVO-Bus (8283000738)
Opposite 433 543 517 0




Foundation Brake

7.01 Disc Brakes

40 100 005	Type 1000 V-G. Front axle left	
Cross Ref.	MAN (8150804-6049)	
Vehicle Applic.	MAN L2000, L20-25, L33-36	
Brake Pad	12 999 629VT	
Exchange Brake	40 100 001	
Repair Kit	12 999 729VT (Seals and guide bolt)	

40 100 006	Type 1000 V-G. Front axle right
Cross Ref.	MAN (8150804-6048)
Vehicle Applic.	MAN L2000, L20-25, L33-36
Brake Pad	12 999 629VT
Exchange Brake	40 100 002
Repair Kit	12 999 729VT (Seals and guide bolt)

40 175 058	Type PAN 17. Side of mounting left	
Cross Ref.	Iveco (500328232)	
Vehicle Applic.	Iveco EuroCargo	
Brake Pad	12 999 698VT	
Exchange Brake	40 175 072	
Repair Kit	12 999 699VT (Seals and guide bolt)	

40 175 059	Type PAN 17. Side of mounting right
Cross Ref.	Iveco (500328234)
Vehicle Applic.	Iveco EuroCargo
Brake Pad	12 999 698VT
Exchange Brake	40 175 073
Repair Kit	12 999 699VT (Seals and guide bolt)


40 175 062	PAN 17 Side of mounting Left
Cross Ref.	Renault-VI (5010422260)
Vehicle Applic.	Renault Midlum M112 7.5t -12t
Brake Pad	12 999 703VT
Exchange Brake	40 175 064
Repair Kit	12 999 704VT (Seals and guide bolt)

40 175 063	PAN 17 Side of mounting right
Cross Ref.	Renault (5010422261)
Vehicle Applic.	Renault Midlum M112 7.5t -12t
Brake Pad	12 999 703VT
Exchange Brake	40 175 065
Repair Kit	12 999 704VT (Seals and guide bolt)


40 175 070	Type PAN 17. Side of mounting left
Cross Ref.	DAF (1403632)

Vehicle Applic.	DAF LF 45 6,2-12 t
Brake Pad	12 999 743VT
Exchange Brake	40 175 072
Repair Kit	12 999 699VT (Seals and guide bolt)

40 175 071	Type PAN 17. Side of mounting right
Cross Ref.	DAF (1403633)
Vehicle Applic.	DAF LF 45 6,2-12 t
Brake Pad	12 999 743VT
Exchange Brake	40 175 073
Repair Kit	12 999 699VT (Seals and guide bolt)

40 175 080	Type PAN 17. Side of mounting Left	
Brake Pad	12 999 782	
Cross Ref.	MAN (81508046355)	
Vehicle Applic.	MAN L 2000, M 2000-L	
Exchange Brake	40 175 049	

40 175 081	Type PAN 17. Side of mounting Right
Brake Pad	12 999 782
Cross Ref.	MAN (81508046354)
Vehicle Applic.	MAN L 2000, M 2000-L
Exchange Brake	40 175 050

40 195 017	Type PAN 19-1 Plus. Side of mounting left	
Cross Ref.	SAF (3080003320)	
Vehicle Applic.	SAF SKRB 9019 W	
Brake Pad	12 999 737VT	
Exchange Brake	40 195 037	
Repair Kit	12 999 738VT (Seals and guide bolt)	

40 195 018	Type PAN 19-1 Plus. Side of mounting right
Cross Ref.	SAF (3080003320)
Vehicle Applic.	SAF SKRB 9019 W
Brake Pad	12 999 737VT
Exchange Brake	40 195 038
Repair Kit	12 999 738VT (Seals and guide bolt)

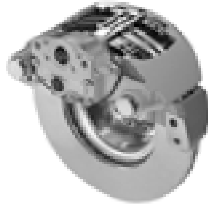
40 195 043	Type PAN 19-1 Plus. Side of mounting left
Cross Ref.	DAF (1407634)
Vehicle Applic.	DAF LF 55 (02/2003 -)
Brake Pad	12 999 791
Exchange Brake	40 195 045
Repair Kit	12 999 776 (Seals and guide bolt)

40 195 044 Type PAN 19-1 Plus. Side of mounting right

Cross Ref.	DAF (1407635)
Vehicle Applic.	DAF LF 55 (02/2003 -)
Brake Pad	12 999 791
Exchange Brake	40 195 046
Brake Disc	12 999 760VT (FA); 12 999 759VT (RA)
Repair Kit	12 999 776 (Seals and guide bolt)

40 225 007 Type PAN 22-1. Side of mounting left

Cross Ref.	SAF (3080005120)
Brake Pad	12 999 796
Exchange Brake	40 225 015
Repair Kit	12 999 738VT (Seals and guide bolt)

**40 225 008 Type PAN 22-1. Side of mounting right**

Cross Ref.	SAF (3080005020)
Brake Pad	12 999 796
Exchange Brake	40 225 016
Repair Kit	12 999 738VT (Seals and guide bolt)

40 244 009 Type 244 VÖ. Side of mounting left

Cross Ref.	Mercedes (9044200801)
Vehicle Applic.	Sprinter (4.6t, 1995–04/2002); VW LT 46
Brake Pad	12 999 541VT
Wear Indicator	13 480 023
Replacement for	40 244 001

**40 244 010 Type 244 VÖ. Side of mounting Right**

Replacement for	40 244 002
Cross Ref.	Mercedes (9044200901)
Vehicle Applic.	Sprinter (4.6t, 1995–04/2002); VW LT 46
Brake Pad	12 999 541VT
Wear Indicator	13 480 023

640 195 068 0 Type PAN 19-1 Plus. Side of mounting left

Cross Ref.	SAF (3.080.0071.21)
Brake Pad	12 999 737VT
Wear Indicator	12 999 755VT
Exchange Brake	640 195 071 0
Repair Kit	12 999 738VT (Seals and guide bolt)

**640 195 069 0 Type PAN 19-1 Plus. Side of mounting right**

Cross Ref.	SAF (3.080.0072.21)
Brake Pad	12 999 737VT
Wear Indicator	12 999 755VT
Exchange Brake	640 195 072 0
Repair Kit	12 999 738VT (Seals and guide bolt)

640 225 022 0 Type PAN 22-1. Side of mounting Left

Cross Ref.	SAF (3080006720)
Brake Pad	12 999 796
Exchange Brake	640 225 025 0
Repair Kit	12 999 738VT (Seals and guide bolt)

640 225 023 0 Type PAN 22-1. Side of mounting right

Cross Ref.	SAF (3080006820)
Brake Pad	12 999 796
Exchange Brake	640 225 026 0
Repair Kit	12 999 738VT (Seals and guide bolt)

640 225 030 0 Type PAN 22-1. Side of mounting Left

Cross Ref.	Schmitz (SCB1035094)
Vehicle Applic.	Schmitz SCB 9010/9 H43S2
Brake Pad	640 225 922 2
Exchange Brake	640 225 040 0
Repair Kit	12 999 776 (Seals and guide bolt)

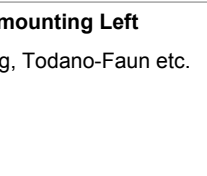
640 225 031 0 Type PAN 22-1. Side of mounting right

Cross Ref.	Schmitz (SCB1035095)
Vehicle Applic.	Schmitz SCB 9010/9 H43S2
Brake Pad	640 225 922 2
Exchange Brake	640 225 041 0
Repair Kit	12 999 776 (Seals and guide bolt)

RA - rear axle; FA front axle; LA lifting axle; TA tag axle


7.02 Drum Brake

10 410 849	Type 410 × 180 ZE	
Vehicle Applic.	Liebherr, Krupp, Terex-Demag, Tadano-Faun	
Brake Shoe With Lining	12 258 658VT, 12 258 659VT	
Repair kit sealing	12 999 453VT	
Expander Unit	12 739 085VT	

10 410 850	Type 410 x 180 DE. Side of mounting Left	
Vehicle Applic.	Liebherr, Krupp, Terex-Demag, Todano-Faun etc.	
Brake Shoe With Lining	12 258 660VT	
Expander Unit	12 739 086VT	

10 410 851	Type 410 x 180 DE. Side of mounting Right	
Vehicle Applic.	Liebherr, Krupp, Terex-Demag, Todano-Faun etc.	
Brake Shoe With Lining	12 258 660VT	
Expander Unit	12 739 086VT	


10 500 783	Type 500 × 160 ZE	
Vehicle Applic.	Liebherr, Krupp, Terex-Demag, Tadano-Faun	
Brake Shoe With Lining	12 258 652VT	
Expander Unit	12 739 085VT	


10 500 784	Type 500 × 180 DE. Side of mounting left	
Vehicle Applic.	Liebherr, Krupp, Terex-Demag, Tadano-Faun	
Brake Shoe With Lining	12 258 651VT	
Expander Unit	12 739 086VT	

10 500 785	Type 500 × 180 DE. Side of mounting right	
Vehicle Applic.	Liebherr, Krupp, Terex-Demag, Tadano-Faun	
Brake Shoe With Lining	12 258 651VT	
Expander Unit	12 739 086VT	

10 500 789	Type 500 × 120 ZE	
Vehicle Applic.	Liebherr, Krupp, Terex-Demag, Tadano-Faun	
Brake Shoe With Lining	12 258 669VT	
Expander Unit	12 739 085VT	

7.03 Accessory Foundation Brake

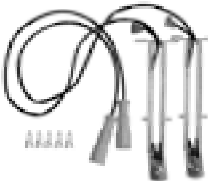
12 851 021	Tool case. PAN 19-1 / PAN 19-1 Plus	
Cross Ref.	SAF (3434601000)	

12 851 022	Tool case. PAN 17	

12 999 755VT	Wear Indicator. Retrofit kit PAN 19-1 / PAN 19-1 plus
Cross Ref.	Krone (505816336/0), Kögel (6500336)
Vehicle Applic.	SAF

12 999 792	Wear Indicator. Knorr (SB6/SN6, SB7/SN7, SK7)
Vehicle Applic.	SAF, BPW

12 999 797	Wear Indicator, .Type PAN 22-1
Cross Ref.	Kögel (6500565)

480 102 920 2	Retrofit kit BVA, for Disc Brakes PAN 19/PAN 19-1 Plus	
Vehicle Applic.	SAF	

480 102 921 2	Retrofit kit BVA, for Disc Brakes PAN 19-1/PAN 19-1 Plus
Vehicle Applic.	SAF

480 102 922 2	Retrofit kit BVA, for Disc Brakes Knorr SB6/SN6 & SB7/SN7/SK7
Vehicle Applic.	SAF, BPW

480 102 923 2	Retrofit kit BVA, for Disc Brakes Knorr SB6/SB7
Vehicle Applic.	SAF, BPW

480 102 924 2	Retrofit kit BVA, for Disc Brakes PAN 22-1
Vehicle Applic.	SAF

480 102 925 2	Retrofit kit BVA, for Disc Brakes PAN 22-1
Vehicle Applic.	SAF


Control Devices Air Suspension


8.01 Levelling Valve

464 002 330 0	M 12x1.5. Nominal diameter 2x Ø 1.3, with Link Connection	
Vehicle Applic.	DAF, ERF, Fruehauf, Leyland DAF, Renault-VI, Taz, Tractor	
Exchange Unit	464 002 330 7	
Repair Kit	464 002 008 2	


464 002 440 0	M 12x1.5. Nominal diameter 2x Ø 3, with Link Connection
Replacement for	464 002 420 0
Repair Kit	464 002 008 2

464 002 532 0	M 12x1.5. Nominal diameter 2x Ø 1.3
Cross Ref.	Knorr (SV1257)
Exchange Unit	464 002 532 7
Repair Kit	464 002 008 2

464 006 000 0	M 12x1.5. Nominal diameter 2x Ø 3. Exhaust M 12x1.5	
Vehicle Applic.	Volvo	
Exchange Unit	464 006 000 7	
Repair Kit	464 006 000 2	

464 006 002 0	M 12x1.5. Nominal diameter 2x Ø 3. Cross throttle. Link Connection	
Vehicle Applic.	Dennis, Kamaz 5297; Maz, Pegaso; LAZ;	
Exchange Unit	464 006 002 7	
Replacement for	464 006 102 0	
Repair Kit	464 006 000 2	


464 006 012 0	M 12x1.5. 2-stage. Nominal diameter 2x Ø 3. Cross throttle
Exchange Unit	464 006 012 7

464 006 100 0	Levelling valve with height limitation, M 12x1.5. 2-stage. Nominal diameter 2x Ø 3. Cross throttle	
Cross Ref.	Kögel (318955), Schmitz (50637, 82854990000), Krone (5808613/0), Haldex (612032001)	
Exchange Unit	464 006 100 7	
Replacement for	464 006 201 0	
Repair Kit	464 006 001 2	

464 006 101 0	Levelling valve with height limitation, M 12x1.5. 2-stage. Nominal diameter 2x Ø 3. Cross throttle
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464 006 102 0	M 12x1.5, Nominal diameter 2x Ø 3, Cross throttle. Push-in fittings. Link Connection
Cross Ref.	Kögel (6502260)

464 006 201 0	Levelling valve with height limitation, M 12x1.5. 2-stage. Nominal diameter 2x Ø 3. Cross throttle. Link Connection
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464 007 001 0	Cab Levelling Valve. Body: Plastic with Push-in connection Ø 6 mm	
Cross Ref.	Renault-VI (5010136105), Iveco (8188642)	
Vehicle Applic.	Iveco	

464 007 002 0	Cab Levelling Valve. Body: Plastic M 10x1
Vehicle Applic.	Volvo


464 007 003 0	Cab Levelling Valve, M 10x1, Lever 200
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464 007 004 0	Cab Levelling Valve. Body: Plastic with Push-in connection Ø 6.35 mm, USA
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464 007 007 0	Cab Levelling Valve. Body: Plastic with Push-in connection Ø 6 mm
Cross Ref.	Renault-VI (7420746465)
Vehicle Applic.	Renault-VI

464 007 008 0	Cab Levelling Valve. Body: Plastic with Push-in connection Ø 6 mm
Cross Ref.	Renault-VI (7420745592)

464 007 009 0	Cab Levelling Valve. Body: Plastic with Push-in connection Ø 6 mm, without lever
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464 007 010 0	Cab Levelling Valve. Body: Plastic, M 10x1	
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464 007 011 0	Cab Levelling Valve, M 10x1
Cross Ref.	Mercedes (A0003284530), Mercedes (A0003284530004), Mercedes (A0003284530Z005)

464 007 014 0	Cab Levelling Valve. Body: Plastic, M 10x1
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464 007 015 0	Cab Levelling Valve. Body: Plastic with Push-in connection Ø 6 mm
Cross Ref.	Renault-VI (7420746254)

464 007 019 0	Cab Levelling Valve. Body: Plastic M 10x1, with Lever
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8.02 Linkage

433 401 003 0 For Levelling Valve 464 00. ... 0

Cross Ref. Kögel (277416), Schmitz (50418, 730591, 8283000296), MAN (99100360048), BPW (0201150300)

Vehicle Applic. Dennis, ERF, Kamaz



8.03 Rotary Slide Valve

463 032 020 0 Port 1 = M 16x1.5

Cross Ref. Schmitz (80251720000, SO50506), Krone (500945047/1), Kögel (77414)

Vehicle Applic. ERF, Iveco, Maz

Exchange Unit 463 032 020 7

Alternative for 463 032 000 0, 463 032 010 0

Repair Kit 463 032 001 2

**463 032 120 0** Port 1 = M 16x1.5, with auto stop. Handle 122mm

Cross Ref. Krone (5813933/0)

Repair Kit 463 032 001 2

463 032 130 0 Port 1 = M 16x1.5, with auto stop. Handle 171mm

Repair Kit 463 032 001 2

463 032 220 0 Port 1 = M 16x1.5, with auto stop. Handle 122mm. Push-in fittings Ø 8x1**463 032 023 0** Port M 12x1.512, without 23/24. Handle length 122

Repair Kit 463 032 001 2

8.04 Lift Axle Control Valve

463 084 010 0 Actuation: Electrical. Mounting max. 5 mm**463 084 011 0** Actuation: Electrical. Mounting max. 12 mm

Exchange Unit 463 084 011 7

Alternative for 463 084 010 0

**463 084 020 2** Air Reservoir, M 16x1.5. Container capacity 1 l. Plastic

Application 463 084 000 0/ 010 0/ 020 0

463 084 021 0 Actuation: Electrical. With raise/lower (automatic)**463 084 031 0** 1-circuit, without Fittings, DIN 72585-A1-3.6-Sn/K1

Cross Ref. Krone (515003124)

Replacement for 463 084 030 0 / 041 0 / 042 0

**463 084 041 0** 1-Like.. 031 0. Push-in fittings 8x1,

Cross Ref. Kögel (6502241)

463 084 042 0 1-Like.. 031 0. Push-in fittings 12x1.5,**463 084 100 0** Pulse-controlled . Dynamic Wheelbase Control (TEBS E1)**563 446 931 0** M 14x1.5. Nominal diameter 7. Control port M 10x1. Push button

Alternative for 563 112 930 0, 563 112 931 0



ECAS, TCE

9.01 ECAS ECU

446 055 046 0 Truck 6x2, 35-pin. Rear axle, 3/2 Directional Control Valve, Pressure Switch

Cross Ref. Mercedes (A0004463717)

Replacement for 446 055 042 0

Alternative for 446 055 022 0, 446 055 024 0




446 055 065 0 Trailer, Control lifting axle, Rear axle, Front axle 3x ECAS Height Sensor, Port: VCS, Replacement for 446 055 060 0 / 070 0



446 055 066 0 Trailer, Control lifting axle, Rear axle, Front axle, Connection: EBS

446 055 311 0 Truck 4x2, 25-pin. 1-3 ECAS Height Sensor, Diagnosis KWP 2000

Vehicle Applic. DAF



446 055 312 0 Truck 4x2, 25-pin. 1-3 ECAS Height Sensor, Diagnosis KWP 2000, without Strap


Cross Ref. Renault-VI (5010516177)

Vehicle Applic. DAF

446 170 026 0 Truck 4x2, CAN1, 18/15-pin, 2x ECAS Height Sensor

Cross Ref. Mercedes (A0004463217)

Replacement for 446 170 024 0



446 170 055 0 Truck 6x2, CAN1, 18/15-pin, 1-3x ECAS Height Sensor, max number of press. sensors 3

Cross Ref. Mercedes (A0004463317)


Replacement for 446 170 054 0

Alternative for 446 170 051 0, 446 170 052 0

446 170 207 0 Truck 4x2, CAN2, 18/15-pin, 1-3x ECAS Height Sensor, max number of press. sensors 3

Cross Ref. MAN (81258117014), MAN (81258117019)

Vehicle Applic. MAN TG-A



446 170 208 0 Truck/Buses 6x2, CAN2, 18/15/9-pin, 1-3x ECAS Height Sensor, max number of press. sensors 6

Cross Ref. MAN (81258117020)

Vehicle Applic. MAN TG-A

Alternative for 446 055 051 0, 446 055 055 0, 446 055 503 0

446 170 209 0 Truck 4x2, CAN2, 18/15-pin, 1x ECAS Height Sensor, 1x Pressure Sensor

Cross Ref. MAN (81258117018)


Vehicle Applic. MAN TG-A

446 170 211 0 Truck 4x2, CAN2, 18/15-pin, 1-3x ECAS Height Sensor

Cross Ref. Iveco (504103339), Iveco (504215042)

Replacement for 446 170 201 0

446 170 218 0 Truck 4x2, CAN2, 18/15-pin, 1-2x ECAS Height Sensor



446 170 219 0 Truck 6x2, CAN2, 18/15/9-pin, 1-3x ECAS Height Sensor, max number of press. sensors 3

474 100 001 0 ELM - Electronic Air Suspension Module for Trailers




Please note that devices for replacement have to be calibrated or parameterised. Training and diagnosis are required.

9.02 ECAS Remote Control Unit

446 056 010 4 **Support for ECAS Remote Control Unit**


Cross Ref. MAN (446/056/010/4),
MAN (81254410377),
Mercedes (A6555450940)

Vehicle Applic. DAF, ERF, Leyland DAF,
Maz



446 056 117 0 **Universal type. Full air suspension, Control lifting axle, Memory**

Alternative for *000 0, *007 0, *011 0, *0-18 0, *027 0, *028 0, *029 -0, *032 0, *116 0, *124 0, *127 0, *128 0, *129 0, *1-32 0, *135 0, *136 0, *137 -0, *140 0, *141 0, *142 0, *143 0



446 056 120 0 **Universal type. Full air suspension, Memory, grey,**

Alternative for *019 0, *020 0, *119 0

446 056 134 0 **Universal type. Full air suspension,**

Cross Ref. Mercedes (A0005458713)

Replacement for 446 056 034 0

Alternative for 446 056 033 0, 446 056 034 0, 446 056 133 0


446 056 139 0 **Universal type. Full air suspension, Memory**

Cross Ref. MAN (81255056601)

Alternative for 446 056 138 0

446 056 250 0 **Universal type. Full air suspension, Control lifting axle/Continuous, Memory**


Vehicle Applic. DAF



446 056 254 0 **Universal type. Full air suspension, Control lifting axle/Continuous, Memory**

Cross Ref. Iveco (504103586)

446 156 021 0 **ECAS control box for Trailer EBS. ECAS . ELM.**

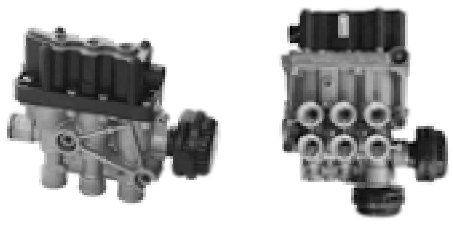


446 156 022 0 **ECAS control box for Trailer EBS. ECAS . Control lifting axle**

446 156 023 0 **ECAS control box for Trailer EBS. ECAS . Control lifting axle. Drawbar**

9

9.03 ECAS-Solenoid Valve



472 880 000 0 472 905 114 0


Part number	Cross throttle	Silencer	Axles	Port	Electrical connections	Comments	Replacement for
472 880 000 0	no	1	RA	Voss	4.1 Bayonet		472 880 060 0
472 880 001 0	no	1	RA	Voss	4.1 Bayonet		472 880 053 0
472 880 020 0	yes	1	FA	Voss	3.6 Bayonet		472 900 054 0
472 880 021 0	yes	-	FA	Voss	2.1 Bayonet		472 900 058 0
472 880 024 0	yes	1	FA	Voss	3.6 Bayonet		
472 880 030 0	yes	1	RA	Voss	4.2 Bayonet		472 900 055 0
472 880 031 0	yes	1	RA	Voss	3.2 Bayonet		472 900 061 0
472 880 050 0	yes	1	RA, FA	Voss	2x 4.1 Bayonet		472 900 057 0
472 880 061 0	no	1	FA	Voss	3.6, 4.2 Bayonet	Kneeling	472 900 066 0
472 880 064 0	no	1	FA	Voss	3.6, 4.1 Bayonet	Kneeling, 3/2 valve	472 900 066 0
472 880 103 0	no	1	RA, LA	Voss	A2-4.1, A1-4.1 Bayonet		472 900 114 0

Part number	Cross throttle	Silencer	Axles	Port	Electrical connections	Comments	Replacement for
472 905 111 0	no	1	RA, LA/TA	Voss	4.2, 4.1 Bayonet		472 905 107 0
472 905 114 0	yes	2	RA, LA/TA	Voss	4.1, 4.2 Bayonet		472 905 109 0


RA - rear axle; FA front axle; LA lifting axle; TA tag axle

9.04 ECAS Height Sensor

441 050 006 0 Bayonet, without lever
 Vehicle Applic. DAF, Dennis, Leyland
 DAF, MAN



441 050 120 0 with Lever, Bayonet DIN 72585-A1-2.1-Sn/K2. Temperature not compensated
 Vehicle Applic. Iveco



441 050 008 0 M 24x1, without lever
 Cross Ref. Mercedes (A0105427817), Mercedes (A0105427818)
 Vehicle Applic. MAN, Mercedes
 Replacement for 441 050 003 0


441 050 121 0 with Lever, Bayonet DIN 72585-A1-2.1-Sn/K2. Temperature not compensated
 Cross Ref. Mercedes (A0035422618)

441 050 010 0 M 27x1, without lever
 Vehicle Applic. Maz, Renault-VI

441 050 123 0 with Lever, Bayonet DIN 72585-A1-2.1-Sn/K2. Temperature not compensated
 Cross Ref. MAN (81259370040)


441 050 011 0 Bayonet DIN 72585-A1-2.1-Sn/K2, without lever
 Cross Ref. DAF (1305844), Scania (1398840), Krone (505813397/0), MAN (81259370016), Iveco (98472878EB), Mercedes (A0005424018), Schmitz (INS033-0009)
 Vehicle Applic. DAF, Mercedes, MAN, Maz

441 050 712 2 Link Connection. Length 289 mm
 Vehicle Applic. DAF




441 050 012 0 Bayonet DIN 72585-A1-2.1-Sn/K2, without lever. Temperature not compensated
 Cross Ref. Iveco (500340806), Mercedes (A0015420018)
 Vehicle Applic. Mercedes

441 050 718 2 for ECAS Height Sensor / ELM. Length Lever 225 / 250 / 275



441 050 013 0 Bayonet DIN 72585-A1-2.1-Sn/K2, without lever, Temperature not compensated

441 050 100 0 With Lever. Bayonet DIN 72585-A1-2.1-Sn/K2. Temperature not compensated
 Vehicle Applic. DAF



9.05 Cable Air Suspension

Part number	Application	Length	Connection	Electrical connections	Comments
449 113 120 0	TCE	12 m	Power	15-pin	ISO 7638 Connector
449 121 120 0	TCE	12 m	Power	15-pin	bared ends
449 336 030 0	T ECAS	3 m	VCS II (Power+ Diag)		6-pin, Diode
449 337 328 0	T ECAS	3 / 12 m	VCS II (Power+ Diag) / Mod	ISO 15170-B1-3.1-Sn/K1	6-pin, Diode
449 340 153 0	ELM	6 / 3 m	Diag / VCS II		Diag: 446 300 329 2
449 348 020 0	TCE	2 m	T EBS E		

Part number	Application	Length	Connection	Electrical connections	Comments
449 354 253 0	ELM	6 / 6 m	Diag / VCS I		Diag: 446 300 329 2
449 391 075 0	TCE	7.5 m	X23 Port Lighting	15-pin	bared ends
449 422 050 0	T ECAS	5 m	ECAS-Solenoid Valve	ISO 15170-B1-3.1-Sn/K1	PG 11
449 422 100 0	T ECAS	10 m	ECAS-Solenoid Valve	ISO 15170-B1-3.1-Sn/K1	PG 11
449 517 060 0	T ECAS	6 m	Battery box ECAS		
449 620 156 0	T ECAS	10 m	Diag / VCS II		
449 621 010 0	T ECAS	1 m	Diagnostic connection		PG 11
449 621 080 0	T ECAS	8 m	Diagnostic connection		PG 11
449 632 050 0	T ECAS	5 m	ECAS Remote Control Unit		PG 11
449 632 080 0	T ECAS	8 m	ECAS Remote Control Unit		PG 11
449 633 060 0	ELM	6 m	ECAS Remote Control Unit		
449 637 050 0	T ECAS	5 m	ECAS control box		
449 638 060 0	ELM	6 m	ECAS control box		
449 732 100 0	T ECAS	10 m	Pressure Sensor		
449 742 050 0	T ECAS	5 m	ECAS Height Sensor	ISO 15170-B1-2.1-Sn/K1	PG 11
449 742 100 0	T ECAS	10 m	ECAS Height Sensor	ISO 15170-B1-2.1-Sn/K1	PG 11
449 742 150 0	T ECAS	15 m	ECAS Height Sensor	ISO 15170-B1-2.1-Sn/K1	PG 11
894 601 038 2	T ECAS	5 m	Solenoid Valve	Bayonet (DIN)	PG 11
894 604 215 2	T ECAS	5 m	Solenoid Valve	Kostal M 27x1	PG 11

9.06 TCE

446 122 001 0 TCE ECU

Cross Ref. Kögel (69653), Krone (5818600)

Replacement for 446 122 000 0

**446 156 020 0 ECAS control box for-Control lifting axleTCE****446 122 400 0 Ultrasonic Sensor**

Cross Ref. Kögel (69102), Schmitz (56359)



9.07 Pressure Sensor

441 040 101 0 M 16x1.5. Bayonet DIN 72585-A1-3.1-Sn/K2, 400 mV/bar (16 counts/bar)

Replacement for 441 040 013 0

Alternative for 441 040 007 0

**441 044 101 0 Pressure Sensor. M 16x1.5. Bayonet DIN 72585-A1-3.1-Sn/K2, 400 mV/bar (16 counts/bar)**

Replacement for 441 040 010 0, 441 040 013 0, 441 044 001 0

**441 040 102 0 M 16x1.5. Bayonet DIN 72585-A1-3.1-Sn/K2, 400 mV/bar (16 counts/bar),**

Replacement for 441 040 015 0

441 044 102 0 Pressure Sensor M 16x1.5. Bayonet DIN 72585-A1-3.1-Sn/K2, 400 mV/bar

Cross Ref. Iveco (504255336)

Replacement for 441 044 002 0; 441 040 015 0

441 044 104 0 Pressure Sensor M 16x1.5. Bayonet DIN 72585-
A1-3.1-Sn/K2, 333 mV/bar

Cross Ref. DAF (1737516)

441 044 108 0 Pressure Sensor M 16x1.5. Bayonet DIN 72585-
A1-3.1-Sn/K2, 400 mV/bar

Replacement for 441 044 001 0

Air Spring, Shock Absorber

10.01 Air Spring



Part number	Type	Diameter	Height	Application	Cross Ref.
896 130 105 4	Air bellow	Ø 240	340	BPW, DC, DAF, IVECO, RVI, MAN, VOLVO, Neoplan	Contitech (644 N); Goodyear (8017)
896 130 106 4	Air bellow	Ø 240	460	BPW, DC, IVECO, MAN, VOLVO	
896 130 110 4	Air bellow	Ø 230	420	DC, IVECO, MAN, RVI, VOLVO	
896 130 111 4	Air bellow	Ø 230	445	IVECO, MAN	Contitech (1884 N1, 1885 N1); Goodyear (9003)
896 130 117 4	Air bellow	Ø 240	390	Schmitz-Trailer, IVECO, MAN, VOLVO, Neoplan	Contitech (661 N); Goodyear (8018)
896 130 119 4	Air bellow	Ø 240	460	MAN	Contitech (916 N1); Goodyear (9015)
896 130 120 4	Air bellow	Ø 225	345	VOLVO	Contitech (RZ 415-25); Goodyear (9004)
896 130 121 4	Air bellow	Ø 210	395	IVECO	Goodyear (9009)
896 130 124 4	Air bellow	Ø 210	417	RVI, IVECO	Contitech (782 N); Goodyear (9013)
896 130 146 4	Air bellow	Ø 240	370	Buses	
896 130 153 4	Air bellow	Ø 210	465	MAN	
951 700 001 0	Air Spring	Ø 260	max. 632	Volvo	Contitech (6608 N P01)
951 700 008 0	Air Spring	Ø 280	max. 502	Volvo	Contitech (6605 N P01)
951 711 773 0	Air Spring	Ø 300	max. 560	FRUEHAUF/SMB, NEWAY	Contitech (4157 N P08); Goodyear (1R11-773)
951 714 748 0	Air Spring	Ø 390	max. 714	BPW 36, m. mehrteiligen Kolben	Contitech (881 MB); Goodyear (1R14-748) without rolling-of piston
951 714 753 0	Air Spring	Ø 330	max. 806	Scania Serie 4	Contitech (4913 N P02); Goodyear (1R14-753) without rolling-of piston
951 809 201 0	Air Spring	Ø 262	max. 274	Meritor, Granning, Weweler, Hendrickson	Contitech (FD 200-19); Goodyear (2B9-223)
951 811 106 0	Air Spring	Ø 295	max. 612	Meritor	Contitech (4157 N P09); Goodyear (1R11-106) without rolling-of piston
951 811 111 0	Air Spring	Ø 295	max. 612	Meritor, Weweler, Mercedes Axles	Contitech (4157 N P04); Goodyear (1R11-111) without rolling-of piston
951 811 700 0	Air Spring	Ø 240	max. 520	BPW 30	Contitech (941 MB); Goodyear (1R11-700)
951 811 702 0	Air Spring	Ø 295	max. 612	BPW 30	Contitech (941 MB, cpl.); Goodyear (1R11-702) without rolling-of piston
951 811 703 0	Air Spring	Ø 240	max. 423	BPW 30K	Contitech (940 MB); Goodyear (1R11-703)
951 811 713 0	Air Spring	Ø 295	max. 564	SAF E5 3.229.0007.02	Contitech (4004 N P03); Goodyear (1R11-713) without rolling-of piston
951 811 714 0	Air Spring	Ø 295	max. 564	SAF E5 3.229.0029.00	Contitech (4022 N P03); Goodyear (1R11-714) without rolling-of piston
951 811 743 0	Air Spring	Ø 305	max. 700	BPW	Goodyear (1R11-743) without rolling-of piston
951 811 762 0	Air Spring	Ø 305	max. 697	BPW	Goodyear (1R11-762) without rolling-of piston
951 811 763 0	Air Spring	Ø 315	max. 557		without rolling-of piston
951 811 772 0	Air Spring	Ø 320	max. 610	SMB/ Fruehauf	Contitech (4157 N P10); Goodyear (1R11-772) without rolling-of piston
951 812 701 0	Air Spring	Ø 332	max. 639	Montenegro, Samro	without rolling-of piston
951 812 702 0	Air Spring	Ø 332	max. 639	Fruehauf UJB 0203	Contitech (4159 N P07); Goodyear (1R12-702) without rolling-of piston

Part number	Type	Diameter	Height	Application	Cross Ref.
951 812 711 0	Air Spring	Ø 305	max. 440	DAF 388167 -95series	Contitech (836 M2 K1); Goodyear (1R12-711) without rolling-of piston
951 812 712 0	Air Spring	Ø 305	max. 440	DAF 388165	Contitech (836 MK1); Goodyear (1R12-712) without rolling-of piston
951 812 721 0	Air Spring	Ø 332	max. 639	Fruehauf, Traylor, Samro, Trouillet	without rolling-of piston
951 812 749 0	Air Spring	Ø 300	max. 700	Weweler	Contitech (4158 N P03); Goodyear (1R12-749)without rolling-of piston
951 812 762 0	Air Spring	Ø 300	max. 491	Volvo FH12	Contitech (4713 N P02); Goodyear (1R12-762)without rolling-of piston
951 813 150 0	Air Spring	Ø 348	max. 638	Hendrickson, DC	Goodyear (1R13-150)without rolling-of piston
951 813 711 0	Air Spring	Ø 325	max. 662	RVI Magnum/ Premium	Contitech (4912 N P07); Goodyear (1R13-711)without rolling-of piston
951 814 705 0	Air Spring	Ø 360	max. 655	SAF, Daf Coach, Hendrickson, Käss-bohrer, Meritor	Contitech (4813N P06 (alu), 813 MB); Gy (1R14-705)without rolling-of piston
951 814 708 0	Air Spring	Ø 310	max. 553	BPW 36	Contitech (881 MB); Goodyear (1R14-708)
951 814 712 0	Air Spring	Ø 390	max. 708	BPW 36	Goodyear (1R14-712)without rolling-of piston
951 814 716 0	Air Spring	Ø 360	max. 751	Trouillet, York	Contitech (810 MB, 4810 N P06); Gy (1R14-716)without rolling-of piston
951 814 756 0	Air Spring	Ø 390	max. 708	Gigant	without rolling-of piston
951 814 757 0	Air Spring	Ø 390	max. 564	BPW 36 K	without rolling-of piston
951 895 050 0	Air Spring	Ø 285	max. 482	DC ACTROS	without rolling-of piston
951 899 001 0	Air Spring	Ø 340	max. 400	SMB, Lohr, GT	Goodyear (2B12-2450)without rolling-of piston

10.02 Shock Absorber



Part number	Application	Length	Vehicle Application List
438 600 008 0	Motor Vehicle	456 / 721	Volvo F12
438 600 010 0	Motor Vehicle	399 / 677	MAN 16.262 F
438 600 017 0	Motor Vehicle	416 / 667	Mercedes 1729L
438 600 028 0	Motor Vehicle	377 / 622	DAF FA 95.310
438 600 029 0	Motor Vehicle	377 / 622	DAF FA 95
438 600 030 0	Motor Vehicle	477 / 817	Scania G 112 HA (2 Series)
438 600 037 0	Motor Vehicle	419 / 689	Scania G 112 (2 Series)
438 600 202 0	Motor Vehicle	366 / 627	RVI Premium PR
438 600 226 0	Motor Vehicle	410 / 650	MAN 18.323 FAK-L
438 600 320 0	Motor Vehicle	425 / 673	DAF FAD 2500 DHS
438 600 321 0	Motor Vehicle	556 / 946	Scania P 114 CA (4 Series)
438 600 322 0	Motor Vehicle	419 / 658	MAN 16.292F; 18.323 FAK-L
438 600 323 0	Motor Vehicle	411 / 690	Scania G 112 (2 Series)
438 600 324 0	Motor Vehicle	484 / 817	Volvo FH12
438 600 325 0	Motor Vehicle	387 / 647	MAN 18.323FLC
438 600 326 0	Motor Vehicle	439 / 697	DAF FA 1900
438 600 327 0	Motor Vehicle	398 / 693	MAN 16332
438 600 328 0	Motor Vehicle	435 / 752	Iveco Eurostar
438 600 555 0	Motor Vehicle	422 / 678	RVI AE380 - AE385; R33019T AirTronic
438 600 564 0	Motor Vehicle	426 / 682	Mercedes 709/K/809/K/814/F/K/L/S

Part number	Application	Length	Vehicle Application List
438 600 579 0	Motor Vehicle	411 / 654	Iveco 180E-P--440ETY/EFP
438 600 580 0	Motor Vehicle	413 / 693	Scania 114 (4 Series)
438 600 585 0	Motor Vehicle	348 / 595	RVI AE420TI; AE500; AE380; AE385
438 600 605 0	Motor Vehicle	526 / 882	RVI Midlum, Premium, Kerax
438 601 032 0	Trailer	315 / 465	Diverse
438 601 040 0	Trailer	295 / 425	
438 601 058 0	Trailer	325 / 485	Lohr
438 601 061 0	Trailer	265 / 375	Hendrickson
438 601 066 0	Trailer	333 / 498	Diverse
438 601 067 0	Trailer	300 / 425	Meritor
438 601 068 0	Trailer	324 / 478	Fruehauf
438 601 069 0	Trailer	324 / 478	Diverse
438 601 070 0	Trailer	354 / 539	Diverse
438 601 071 0	Trailer	313 / 445	Fruehauf
438 601 072 0	Trailer	433 / 694	BPW
438 601 073 0	Trailer	468 / 765	Diverse
438 601 074 0	Trailer	299 / 429	SAF
438 601 211 0	Trailer	280 / 413	SAF
438 601 212 0	Trailer	318 / 489	SAF
438 601 223 0	Trailer	432 / 698	BPW
438 601 227 0	Trailer	322 / 475	Meritor
438 601 230 0	Trailer	328 / 497	BPW
438 601 232 0	Trailer	355 / 535	Montenegro
438 601 233 0	Trailer	334 / 499	
438 601 236 0	Trailer	308 / 420	Fruehauf
438 601 238 0	Trailer	327 / 491	SAF
438 604 002 0	Cabin	353 / 398	Volvo FH12
438 604 004 0	Cabin	360 / 411	Volvo FM/FH
438 604 006 0	Cabin	363 / 408	Volvo FH12/16
438 604 009 0	Cabin	206 / 306	Volvo/Scania -
438 604 010 0	Cabin	206 / 306	Scania 4 series
438 604 017 0	Cabin	218 / 277	Volvo FL10
438 604 032 0	Cabin	277 / 329	DAF 65, 75, 85
438 604 033 0	Cabin	272 / 318	DAF 95XF, day/sleeper, CF
438 604 042 0	Cabin	227 / 248	DAF 95 XF
438 604 043 0	Cabin	277 / 329	DAF 95
438 604 044 0	Cabin	277 / 329	DAF 95 XF, XF
438 604 045 0	Cabin	245 / 283	DAF 65, 75, 85
438 604 046 0	Cabin	211 / 266	RVI Premium
438 604 048 0	Cabin	238 / 276	DAF 95
438 604 051 0	Cabin	202 / 292	RVI Magnum
438 604 052 0	Cabin	247 / 368	RVI Magnum
438 604 058 0	Cabin	206 / 306	Scania 94; 114; 124; 144; 164 (4 Series)
438 604 059 0	Cabin	206 / 306	Scania 4 series
438 604 067 0	Cabin		Scania 4 series
438 604 101 0	Cabin	255 / 315	MAN 14.262 U
438 604 119 0	Cabin	280 / 315	Mercedes ACTROS 1831 ... 3353
438 604 122 0	Cabin	260 / 310	MAN 19.293 FLL
438 604 126 0	Cabin		RVI Premium
438 604 134 0	Cabin	235 / 259	Volvo FH12
438 604 136 0	Cabin	302 / 429	Volvo FH12
438 604 137 0	Cabin	350 / 400	Volvo FH12
438 604 138 0	Cabin	238 / 280	DAF 95 XF

10.03 Bellow Servo Valve, CALM



964 006 ...

Part number	Type	Height	Height	Cross Ref.
964 006 001 0	CALM	335 mm Level control	MAN TG-A Truck	MAN (81417226053)
964 006 002 0	CALM	335 mm Level control	MAN TG-A Truck	MAN (81417226054)
964 006 003 0	CALM	300 mm Level control	MAN TG-A Truck	MAN (81417226055)
964 006 004 0	CALM	300 mm Level control	MAN TG-A Truck	MAN (81417226056)

Trailer Connection

11.01 Coupling Head

452 200 000 0 M 22x1.5, without cover

452 200 011 0 M 22x1.5. Supply line, with Cover Red

Cross Ref. Knorr (KU1314)



452 200 012 0 M 22x1.5. Service line, with Cover Yellow

452 200 211 0 M 22x1.5, automatic. Supply line, with Cover

Cross Ref. Knorr (KU4121)

452 200 212 0 M 22x1.5, automatic. Service line, with Cover

Cross Ref. Knorr (KU4122)



452 201 010 0 M 22x1.5, for single line braking system, with Cover / Pin



452 203 031 0 M 22x1.5. Trailer. Version: Swiss , with Cover Red

452 203 032 0 M 22x1.5. Trailer. Version: Swiss , with Cover Yellow

452 300 031 0 M 22x1.5, for single line braking system. Motor Vehicle, with Cover, automatic

Vehicle Applic. Iveco, Kamaz, MAN, Mercedes

Alternative for 452 300 000 0

452 303 021 0 M 22x1.5, for single line braking system, without Cover

452 303 031 0 M 22x1.5. Motor Vehicle. Version: Swiss , with Cover Red

452 303 032 0 M 22x1.5. Motor Vehicle. Version: Swiss , with Cover Yellow

952 200 021 0 M 16x1.5. Supply line. Red. Trailer

Cross Ref. Haldex (334055201), Iveco (41035633), Iveco (5006210386), Knorr (KU1318)

Vehicle Applic. Fruehauf, Leyland DAF, Raba, Trailer



952 200 022 0 M 16x1.5. Brake . Yellow. Trailer

Cross Ref. Iveco (2516835), Iveco (41035634), Knorr (KU1319)

Vehicle Applic. FAP, Fruehauf, Leyland DAF, Mercedes, Raba, Renault-VI, TAM



952 200 033 0 M 16x1.5. Brake . Yellow, for Parker push-in fittings. Trailer

952 200 034 0 M 22x1.5. Brake . Yellow, for Parker push-in fittings. Trailer

952 200 037 0 M 22x1.5. Supply line. Red, for Parker push-in fittings. Trailer

Cross Ref. Iveco (980890)

952 200 040 0 M 16x1.5. Supply line. Red, for Test Connection, for Parker push-in fittings. Trailer

Vehicle Applic. Trailer

952 200 210 0 M 16x1.5, automatic. Supply line and Service line. Red. Motor Vehicle

Vehicle Applic. FAP, Mercedes, Raba, TAM



952 200 221 0 M 16x1.5, automatic. Supply line. Red. Motor Vehicle

Cross Ref. Iveco (2515298), Haldex (334063001), Iveco (504186403)

Vehicle Applic. DAF, FAP, Iveco, Leyland DAF, MAN, Mercedes, Nissan, Renault-VI, Scania, TAM, Volvo

952 200 222 0 M 16x1.5, automatic. Brake . Yellow. Motor Vehicle

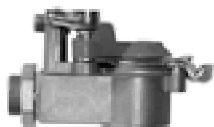
Cross Ref. Iveco (2515210), Haldex (334064001), Iveco (5000607008), Mercedes (A0004298130)

Vehicle Applic. DAF, FAP, Iveco, Leyland DAF, MAN, Mercedes, Nissan, Raba, Renault-VI, Scania, TAM, Volvo

952 201 001 0 Pipe with Lock nut M 24x1.5 / M 16x1.5. Brake . Yellow



952 201 002 0

Pipe with Lock nut M
24x1.5 / M 16x1.5. Supply
line. Red

952 201 012 0

M 16x1.5. Supply line.
Red. Semi trailer, without
cover, for Filter

952 201 003 0

M 16x1.5. Brake . Yellow, with Filter. Trailer

952 201 004 0

M 16x1.5. Supply line.
Red, with Filter. Trailer

952 201 013 0

M 16x1.5. Brake . Yellow.
Semi trailer, without cover,
for Filter. Test Con-
nection

952 201 007 0

Pipe with Lock nut M
24x1.5 / M 16x1.5. Brake .
Yellow

952 201 014 0

Brake . Yellow. Push-in connection
Ø 8x1, with-
out cover. for Filter. Test Connection

Cross Ref.

Kögel (6502261)

952 201 015 0

Supply line. Red. Push-in
connection Ø 8x1, with-
out cover, for Filter

Cross Ref.

Kögel (6502262)



952 201 008 0

M 16x1.5. Brake . Yellow, with Filter, with Test
Connection. Trailer

952 201 011 0

M 16x1.5. Brake . Yellow. Semi trailer, without
cover for Filter

11.02 Dummy Coupling

452 402 000 0

for 452 200 / 952 200 .., ..
Trailer

11.03 Line Filter

432 500 020 0

M 22x1.5, with flow in
any direction

Cross Ref.

MAN (1065220), Haldex
(310005011), Schmitz
(51432), Schmitz (730229),
MAN (81512706026), MAN
(82512706002), Schmitz
(82831050000), Schmitz
(82851400000), Mercedes
(A0004293895), Knorr
(LA2104)

Vehicle Applic.

DAF, Dennis, Fruehauf,
Iveco, MAN, Mercedes,
Neoplan, PEGASO, Raba,
Renault-VI, TAM, Trailer

Alternative for

432 500 000 0



432 500 021 0

M 16x1.5, with flow in any direction

Cross Ref.

Renault-VI (5021170084)

432 500 025 0

M 22x1.5

Cross Ref.

MAN (81512706028)

11.04 Quick Coupling

452 802 000 0 Duomatic Motor Vehicle NPSF 1/4"-18

Repair Kit 452 802 003 2

452 802 007 0 Duomatic Motor Vehicle, M 16x1.5, without ABE

Cross Ref. Volvo (VOE6213539)

Vehicle Applic. MAN, Scania, Volvo

Repair Kit 452 802 003 2

**452 802 009 0 Duomatic Motor Vehicle, M 16x1.5, with ABE**

Cross Ref. MAN (81512206120), Mercedes (A0004294530)

Vehicle Applic. Mercedes

Replacement for 452 802 007 0

Repair Kit 452 802 003 2

452 802 920 2 Duomatic Retrofit kit, Motor Vehicle / Trailer

Cross Ref. DAF (1506073)

452 803 005 0 Duomatic. Semi trailer, M 16x1.5, with ABE

Cross Ref. Schmitz (51412), Krone (58091081)

Replacement for 452 803 004 0

**452 803 920 2 Duomatic Retrofit kit, for articulated trucks / Semi trailer****452 804 001 0 Duomatic. Trailer, G 3/8"****452 804 012 0 Duomatic. Trailer, M 16x1.5, with ABE**

Cross Ref. Krone (500945403/0), Schmitz (51407), Schmitz (89550000510)

**452 805 004 0 Duomatic, Truck - Semi-trailer, M 16x1.5, with ABE**

Vehicle Applic. Mercedes, Volvo

Repair Kit 452 802 003 2

**452 806 000 0 Trio-Matic****452 811 008 0 Duomatic, for Special vehicle Agriculture, M 22x1.5**

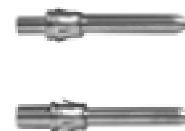
11.05 Coiled Cable

446 008 234 0 24 V, ABS 5 pin, "Economy". Length max. 2.5 m. ISO 7638


Vehicle Applic. Kamaz

**446 008 238 0 12 V, ABS 5 pin, "Economy". Length max. 2.5 m. ISO 7638**


Vehicle Applic. Becema

446 008 243 0 24 V, EBS/ABS 7 pin, "Classic". Length max. 3 m. ISO 7638**446 008 244 0 24 V, EBS/ABS 7 pin, "Economy". Length max. 3 m. ISO 7638****446 008 310 4 Contact pin 1,5 mm²****446 008 311 4 Contact pin 6,0 mm²****446 008 315 4 Contact bush 1.5 mm²****446 008 316 4 Contact bush 6,0 mm²**

446 008 360 2 24 V. Plug. Cable Diameter Ø 14,5 - 15,5
Cross Ref. Knorr (I88006)



446 008 361 2 24 V, Connector. Cable Diameter Ø 14,5 - 15,5
Cross Ref. Knorr (I88008)
Vehicle Applic. ERF, Iveco




446 008 380 2 24 V, Connector. Cable Diameter Ø 7 - 12 (2x 4 mm² / 3x 1.5 mm²)
Vehicle Applic. Becema


446 008 390 2 24 V. Plug. Cable Diameter Ø 7 - 12 (2x 4 mm² / 3x 1,5 mm²)

446 008 391 2 24 V. Plug. Cable Diameter Ø 10 - 14 (2x 6 mm² / 3x 1,5 mm²)


446 008 404 2 24 V, Connector EBS. Cable Diameter Ø 10 - 14 (2x 4 mm² / 5x 1.5 mm²)




446 008 414 2 24 V, Connector EBS. Cable Diameter Ø 10 - 14, (2x 4 mm² / 5x 1.5 mm²)



446 008 600 2 24 V. Parking Socket
Vehicle Applic. Becema, Iveco



11.06 Susie



452 711 004 0 893 900 033 2 452 713 001 0 452 713 002 0 452 713 005 0

Part number	Type	Hose	Anti-kink	A Thread	B Thread	Replacement for	Comments
452 711 004 0	Wendelflex	Ø 12 x 1.5 Black	Red	M 22x1.5	M 22x1.5	452 711 001 0	4 m
452 711 005 0	Wendelflex	Ø 12 x 1.5 Black	Yellow	M 22x1.5	M 22x1.5	452 711 002 0	4 m
452 711 006 0	Wendelflex	Ø 12 x 1.5 Black	Red	M 16x1.5	M 16x1.5	452 711 011 0	4.5 m
452 711 007 0	Wendelflex	Ø 12 x 1.5 Black	Yellow	M 16x1.5	M 16x1.5	452 711 012 0	4.5 m
452 711 008 0	Wendelflex	Ø 12 x 1.5 Black	Red	M 16x1.5	M 18x1.5	452 711 021 0	4 m. Strap
452 711 009 0	Wendelflex	Ø 12 x 1.5 Black	Yellow	M 16x1.5	M 18x1.5	452 711 022 0	4 m. Strap
452 711 019 0	Wendelflex	Ø 12 x 1.5 Black	Black	M 16x1.5	M 18x1.5	452 711 023 0	4 m. Strap
452 711 028 0	Wendelflex	Ø 12 x 1.5 Black	Red	M 18x1.5 Nut	M 18x1.5 Nut		4 m
452 711 029 0	Wendelflex	Ø 12 x 1.5 Black	Yellow	M 18x1.5 Nut	M 18x1.5 Nut		4 m
452 711 030 0	Wendelflex	Ø 12 x 1.5 Black	Black	M 18x1.5 Nut	M 18x1.5 Nut		4 m
452 711 050 0	Wendelflex	Ø 12 x 1.5 Black	Red & yellow	2x M 18x1.5 Nut	2x M 18x1.5 Nut		4 m. Dual
452 711 053 0	Wendelflex	Ø 12 x 1.5 Black	Red	M 16x1.5	M 18x1.5 Nut	452 711 014 0, 452 711 033 0	4 m
452 711 054 0	Wendelflex	Ø 12 x 1.5 Black	Yellow	M 16x1.5	M 18x1.5 Nut	452 711 015 0, 452 711 035 0	4 m
452 711 055 0	Wendelflex	Ø 12 x 1.5 Black	Black	M 16x1.5	M 18x1.5 Nut	452 711 016 0, 452 711 037 0	4 m
452 713 001 0	Premium-Flex	Ø 12 x 2 Red	Steel	M 16x1.5 / M 18x1.5 Nut	M 16x1.5 / M 18x1.5 Nut		4 m

Part number	Type	Hose	Anti-kink	A Thread	B Thread	Replacement for	Comments
452 713 002 0	Premium-Flex	Ø 12 x 2 Yellow	Steel	M 16x1.5 / M 18x1.5 Nut	M 16x1.5 / M 18x1.5 Nut		4 m
452 713 003 0	Premium-Flex	Ø 12 x 2 Black	Red	M 16x1.5 / M 18x1.5 Nut	M 16x1.5 / M 18x1.5 Nut		4 m
452 713 004 0	Premium-Flex	Ø 12 x 2 Black	Yellow	M 16x1.5 / M 18x1.5 Nut	M 16x1.5 / M 18x1.5 Nut		4 m
452 713 005 0	Premium-Flex	Ø 12 x 2 Red & yellow	Steel	M 16x1.5 / M 18x1.5 Nut	M 16x1.5 / M 18x1.5 Nut		4 m. Dual
452 713 006 0	Premium-Flex	Ø 12 x 2 Black	Red & yellow	2x M 16x1.5 / M 18x1.5 Nut	2x M 16x1.5 / M 18x1.5 Nut		4 m. Dual
893 900 033 2	2x Handle						Red & yellow

Material Wendeflex: PA. PremiumFlex: PUR

IVTM, Tire Premium Seal

12.01 IVTM ECU

446 220 012 0 IVTM ECU Truck



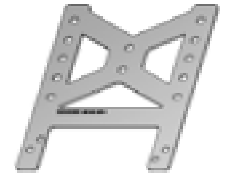
446 220 014 0 IVTM ECU Trailer

446 221 000 0 IVTM Display



446 221 100 0 IVTM Display Type "straddle carrier"

960 901 051 4 Support for IVTM ECU



Please note that devices for replacement have to be calibrated or parameterised. Training and diagnosis are required.

12.02 IVTM Wheel Module

960 730 001 0 IVTM Wheel Module, wheel bolt Ø 26. Angle 0°. Trailer

Cross Ref. Schmitz (1008899)



960 731 011 0 IVTM Wheel Module 2, wheel bolt Ø 26. Angle 0°. Trailer. Type: Single



960 730 052 4 Elongation 185 mm



960 731 051 0 IVTM Wheel Module 2, wheel bolt Ø 26. Angle 60°. Motor Vehicle

960 731 130 0 IVTM Wheel Module 2, wheel bolt Ø 26. Angle 70°. Trailer. Type: Twin, SuperSingle

960 731 802 0 Elongation 305 mm



960 730 055 4 Elongation 135 mm

960 730 820 4 Counterweight independent wheels, wheel bolt Ø 26

Cross Ref. Schmitz (1008910)



960 731 808 0 Elongation 117 / 40 mm

12.03 Cable

Part number	Application	Length	Connection	Comments
449 302 015 0	TCE - IVTM	1.5 m	Trailer	
449 376 070 0	IVTM	7 m	Trailer	7-pin
449 911 060 0	T EBS E - IVTM	6 m	Trailer	
894 607 390 0	IVTM	9 m	Motor Vehicle	7-pin

12.04 TPS

899 900 001 0 Tire Premium Seal, Set
Tire Sealing



899 900 101 0 Replacement: Tire Sealing, Valve Extractor

Drive Control

13.01 Clutch Servo

970 051 102 0 Ø 75. Stroke 67. Output force 4000 N

Vehicle Applic. DAF, ERF
Exchange Unit 970 051 102 7



970 051 114 0 Ø 75. Stroke 67. Output force 4000 N

Vehicle Applic. DAF, Dennis
Exchange Unit 970 051 114 7



970 051 126 0 Ø 75. Stroke 67. Output force 4000 N

Vehicle Applic.
Exchange Unit 970 051 126 7



970 051 159 0 Ø 100

Vehicle Applic. Mercedes
Exchange Unit 970 051 159 7
Alternative for 970 051 147 0
Repair Kit 970 051 916 2



970 051 164 0 Ø 100. Stroke 85. Output force 6000 N. Wear Monitor

Cross Ref. Mercedes (A0002951318)
Replacement for 970 051 163 0
Repair Kit 970 051 945 2

970 051 176 0 Ø 100. Stroke 85. Output force 6000 N. Wear Monitor

Repair Kit 970 051 950 2



970 051 179 0 Ø 100. Stroke 58.5. Output force 6000 N. Wear Monitor

970 051 191 0 Ø 100. Stroke 58.5. Output force 6000 N
Repair Kit 970 051 906 2

970 051 209 0 Ø 100. Stroke 58.5. Output force 6000 N. 3/2 Directional Control Valve

Vehicle Applic. Renault-VI
Exchange Unit 970 051 209 7
Repair Kit 970 051 909 2 (see spare part list)



970 051 406 0 Ø 75. Stroke 85. Output force 4000 N

Cross Ref. MAN (81307256069)
Repair Kit 970 051 952 2 (up to production date: 02/99)



970 051 412 0 Ø 100. Stroke 85. Output force 6000 N

Cross Ref. MAN (81307256084)
Vehicle Applic. MAN TGA 28.xxx FNL, FNLL; Cityliner, Tourliner, Trendliner
Exchange Unit 970 051 412 7
Repair Kit 970 051 971 2

970 051 422 0 Ø 100. Stroke 75. Output force 6000 N. Wear Monitor

Repair Kit 970 051 973 2

970 051 423 0 Ø 100. Stroke 85. Output force 6000 N

Vehicle Applic. DAF, Ford, Renault; Kamaz; Bogdan
Alternative for 970 051 407 0
Repair Kit 970 051 961 2

970 051 429 0 Ø 80. Stroke 85. Output force 4000 N. Wear Monitor

Cross Ref. Renault-VI (5010452429)
Repair Kit 970 051 970 2



970 051 431 0 Ø 102. Stroke 85. Output force 6200 N. with Sensor

Cross Ref. Mercedes (A0002540047)
Exchange Unit 970 051 431 7
Replacement for 970 051 405 0
Repair Kit 970 051 974 2



970 051 432 0 Ø 80. Stroke 85. Output force 4000 N. Wear Monitor

Cross Ref. MAN (81307256108)
Vehicle Applic. MAN
Repair Kit 970 051 977 2

970 051 435 0 Ø 75. Stroke 85. Output force 4000 N. Wear Monitor

Repair Kit 970 051 970 2

970 051 437 0 Ø 80. Stroke 85. Output force 4000 N. Wear Monitor



970 051 438 0 Ø 100. Stroke 25.5. Output force 6000 N. Wear Monitor

Exchange Unit 970 051 438 7

Replacement for 970 051 415 0

Repair Kit 970 051 984 2



970 051 439 0 Ø 100. Stroke 25.2. Output force 6000 N

Repair Kit 970 051 984 2

970 051 441 0 6200 N. Mineral oil. Brake fluid. Wear sensor

Cross Ref. Mercedes (A0002540447)

Repair Kit 970 051 987 2 (see spare part list)



970 051 445 0 Ø 100. Stroke 86.5. Output force 6200 N. Wear Monitor

Cross Ref. Mercedes (0002540847/Z002), Mercedes (0002540847Z002), Mercedes (A0002540847), Mercedes (A0002540847/Z002), Mercedes (A0002540847001), Mercedes (A0002540847Z002)

970 051 454 0 102 Ø. Stroke 85. 6000 N. Brake fluid. Wear sensor

Cross Ref. Mercedes (0002541247), Mercedes (A0002541247), Mercedes (A0002541247/Z002)

Repair Kit 970 051 986 2 (Sensor)

970 051 455 0 Ø 100. Stroke 25.2. Output force 6000 N

970 051 457 0 Ø 100. Stroke 85. Output force 6000 N. Wear Monitor

970 051 505 0 Slave cylinder: Ø 35.5. Stroke 25

970 051 601 0 Ø 75. Stroke 17. Output force 6000 N. Wear Monitor. 3/2 Directional Control Valve

Cross Ref. Volvo (20857304), Renault-VI (7420933629)



13.02 Electronic Drive Control

421 350 072 0 EDS 3 Position Cylinder EPS II. Electrical connections: Bayonet DIN 72585-A1-3.1-Sn/K2

Cross Ref. Mercedes (A0022604063)

Vehicle Applic. Mercedes Actros MP1/MP2

Replacement for 421 350 070 0



441 100 064 0 EDS Sensor EPS II. Regulating range 9.6 mm. Electrical connections Bayonet DIN 72585-A1-2.1-Ag/K2

Cross Ref. Mercedes (A0005429218)

Vehicle Applic. Mercedes Actros MP1/MP2



421 351 070 0 EDS 2 Position Cylinder EPS II. Electrical connections: Bayonet DIN 72585-A1-3.1-Sn/K2. Operating pressure: 3-10 bar

Cross Ref. Mercedes (A0012604863)

Vehicle Applic. Mercedes Actros MP1/MP2



441 100 072 0 EDS Sensor EPS II. Regulating range 13.5 mm. Electrical connections Bayonet DIN 72585-A1-2.1-Ag/K2

Cross Ref. Mercedes (A0005429118)

Vehicle Applic. Mercedes Actros MP1/MP2



433 150 021 0 EDS Control Unit EPS II

Cross Ref. Mercedes (A0002603198)

Vehicle Applic. Mercedes Actros MP1/MP2



446 160 019 0 EDS Electronic Control Unit EPS II. Connector pins: 9/6/12/15

Cross Ref. Mercedes (A0014464509)

Vehicle Applic. Mercedes Actros MP1/MP2

Replacement for 446 160 016 0



472 400 070 0**2x3/2 Solenoid valve EP-S II. Electrical connections Bayonet DIN 72585-A1-3.1-Sn/K2, Voss 230**

Cross Ref.

Mercedes (A0012602263),
Mercedes (A0012604963)

Vehicle Applic.

Mercedes Actros
MP1/MP2**970 150 001 0****Clutch Actuator EPS III. Stroke: 69.5 mm. Control medium: Air. Electrical connections Bayonet DIN 72585-A1-2.1-Ag/K2**

Cross Ref.

Mercedes (A0002500562)

Vehicle Applic.

Mercedes Actros MP3


Replacement for 970 150 002 0



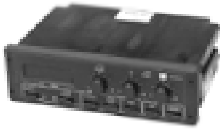
Devices for Buses

14.01 Climate Control

446 024 020 0 Climate Control - ECU
24 V




446 095 004 0 Climate Control. Remote Control ATC (BOVA)



446 091 002 0 Climate Control - Water Control Valve, with wiring 4-pin

446 096 002 0 Climate Control - ECU, 24 V

446 091 004 0 Climate Control - Water Control Valve 2/2



446 195 001 0 Climate Control ATC CAN 2C3T. Remote Control


446 195 002 0 Climate Control ATC CAN 2C4T. Remote Control

446 195 003 0 Climate Control ATC CAN 2C5T. Remote Control

446 091 200 0 Climate Control - Water Control Valve 3/2

446 195 004 0 Climate Control ATC CAN 2C5T. Remote Control


Vehicle Applic. MAN City Bus




446 091 301 0 Climate Control - Water Control Valve 2/2, 24 V

Cross Ref. Iveco (41241093), Iveco (504192869)

446 092 003 0 Temperature Sensor. Temperature range -40 °C ... +85 °C




446 196 000 0 Climate Control - ECU ATC CAN, 24 V



446 095 003 0 Climate Control. Remote Control ATC (ATR-E)

Vehicle Applic. SETRA 300




446 197 004 0 Climate Control ATC CAN. Remote Control

446 197 040 0 Climate Control ATC CAN. Remote Control

14.02 Electronic Door Control System


372 060 022 0 Door Control Valve ETS, 24 V, IP 65. Nominal diameter 4


Repair Kit 372 060 000 2





422 802 402 0 Door cylinder Ø 60. Stroke 180, M 16, Max. operating pressure 8 bar

Repair Kit 422 802 000 2



422 812 000 0	Door cylinder Ø 50. Stroke 140, M 14x1.5. Max. operating pressure 10 bar	
Repair Kit	422 812 000 2	


446 190 001 0	Door ECU. Electronic Door Control System MTS-PX	
Alternative for	446 190 000 0, 446 190 002 0	

446 190 150 0	MTS Door sensor. Actuating range Electrical 125° ±3°, with Port Pressure Switch	
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446 190 151 0	MTS Door sensor. Actuating range Electrical 180° ±3°
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446 190 152 0	MTS Door sensor. Actuating range Electrical 125° ±3°
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472 017 480 0	MTS Door Control Valve, 24 V, vented	
Exchange Unit	472 017 480 7	
Alternative for	472 002 302 0	
Repair Kit	472 017 000 2	

472 600 022 0	MTS Door Control Valve 4/3, M 12x1.5. Operating pressure 5 - 10 bar	
Repair Kit	372 060 000 2	

Please note that devices for replacement have to be calibrated or parameterised. Training and diagnosis are required.

Devices for Universal Application

15.01 Operating Cylinder

421 410 025 0 Ø 30. Stroke 25

Vehicle Applic. FAP, IKARBUS, Kamaz, Maz, Raba, Sanos

Exchange Unit 421 410 025 7

Repair Kit 421 410 001 2



421 410 039 0 Ø 30. Stroke 25

Repair Kit 421 410 001 2

421 410 054 0 Ø 30. Stroke 45

Exchange Unit 421 410 054 7

Repair Kit 421 410 001 2

421 410 072 0 Ø 30. Stroke 25

421 411 070 0 Ø 35. Stroke 38

Replacement for 421 411 079 0



421 411 304 0 Ø 35. Stroke 85

Vehicle Applic. FAP, IKARBUS, Raba, Sanos

421 411 314 0 Ø 35. Stroke 65, for Exhaust Brake 421 429 9..

Replacement for 421 411 312 0



421 412 000 0 Ø 50. Stroke 65

Repair Kit 421 412 000 2

421 429 002 0 Ø 28. Stroke 70

421 442 017 0 Ø 35. Stroke 40

Cross Ref. Iveco (8161358)

Vehicle Applic. Iveco

Repair Kit 421 442 000 2



421 445 000 0 Ø 32. Stroke 52



15.02 Shut-Off Cock

452 002 131 0 2/2, M 22x1.5, without Exhaust. Lever actuation: 90° (one way)

Replacement for 452 002 105 0



452 002 132 0 2/3, M 22x1.5, with Exhaust. Lever actuation: 90°

Replacement for 452 002 100 0, 452 002 107 0

452 002 133 0 2/3, M 22x1.5, without Exhaust. Lever actuation: 90°

Replacement for 452 002 114 0


452 003 020 0 4/2, M 12x1.5. Lever actuation: 90° (one way)


Repair Kit 452 003 001 2





452 003 022 0 4/2, M 12x1.5. Lever actuation: 90° (one way)


Repair Kit 452 003 001 2

463 079 003 0	4/2, Type: Spool. Control pressure 2 - 5 bar. Operating pressure 8 bar	
Cross Ref.	Renault-VI (5010244261)	


952 002 000 0	2/2, M 22x1.5. Lever actuation: 90° (one way)	
Cross Ref.	Haldex (334047001)	

952 003 023 0	4/2 Cock, M 12x1.5. With operating assembly	
Replacement for	952 003 030 0	
Repair Kit	952 003 000 2	

952 003 032 0	4/2 Cock, M 12x1.5. Without actuating knob, with Micro switch	

952 003 100 0	4/2 Cock, M 12x1.5. With operating assembly. Port 3 closed	
Replacement for	952 003 101 0	
Repair Kit	952 003 000 2	

15.03 Silencer

432 407 012 0	Snap-on contour / Clip. Max. operating pressure 18.5 bar, Silencer	
Cross Ref.	MAN (81521016264), Iveco (E4460001033)	
Vehicle Applic.	ERF, Iveco, Kamaz, MAN, Mercedes	

432 407 015 0	Snap-on contour for Saw-tooth profile, with O-Ring Operating pressure max. 18.5 bar, Silencer	
Cross Ref.	Mercedes (A0004302670)	

432 407 016 0	Snap-on contour, for Saw-tooth profile with O-Ring, Operating pressure max. 13 bar, Silencer	
Cross Ref.	Mercedes (A0004302970)	


432 407 018 0	Snap-on contour, Max. operating pressure 13 bar, Silencer	

432 407 060 0	M 22x1.5. Max. operating pressure 13 bar, Silencer	
Cross Ref.	Iveco (3307195R1), MAN (81521016274), Mercedes (A0004302370)	
Vehicle Applic.	ERF, EVO-Bus, Iveco, MAN, Mercedes, PEGASO	
Replacement for	432 407 000 0, 432 407 001 0	

432 407 070 0	Snap-on contour max. 10 bar, Silencer	
Cross Ref.	MAN (1136034), MAN (81521016275), Mercedes (A0004302470)	
Vehicle Applic.	ERF, EVO-Bus, Iveco, MAN, Maz, PEGASO	
Replacement for	432 407 010 0, 432 407 011 0	

532 400 111 0	M 10x1. Max. operating pressure 10 bar
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532 400 117 0	M 12x1.5. Max. operating pressure 10 bar
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975 303 531 2	Silencer, for 975 303 ... 0. Max. operating pressure 12 bar	
Vehicle Applic.	Iveco	

15.04 Relay

446 036 000 0 24 V (+20 % / -15 %), 20 A

Vehicle Applic. Leyland DAF



894 055 080 2 Relay 24 V, 30/20 A, without Shackle

Alternative for 894 055 010 2



894 055 070 2 Relay 12 V, 40/20 A, without Shackle



894 055 100 2 Relay 24 V, 30/20 A, without Shackle

Cross Ref. Krone (5815505)

15.05 Double Check Valve

434 202 000 0 M 22x1.5, Nominal diameter 12 mm

Vehicle Applic. DAF 2500; FAP, Ikarbus IK 105, 110, 111, 160, 161; Kamaz 5320, 54112; Maz, Raba, Sanos, TAM, Taz

Repair Kit 434 202 000 2

434 202 100 0 M 22x1.5, Nominal diameter 7 mm

Vehicle Applic. DAF, Leyland DAF

Repair Kit 434 202 001 2



434 205 026 0 M 12x1.5. Mounting nut. Without actuating knob

Cross Ref. Volvo (VOE1580024)

Vehicle Applic. Volvo

Repair Kit 434 205 001 2



434 205 031 0 M 12x1.5, Mounting nut, Without actuating knob

Vehicle Applic. Volvo

Repair Kit 434 205 001 2

434 205 032 0 M 12x1.5, Mounting holes

434 208 000 0 M 22x1.5

Cross Ref. Kögel (277398), Kögel (6500335)

Vehicle Applic. EVO-Bus, MAN, Mercedes



434 208 009 0 M 16x1.5

Cross Ref. Mercedes (A0024299544)

Vehicle Applic. Mercedes, Renault-VI, Volvo

434 208 019 0 M 16x1.5, flange fixation

434 208 020 0 M 16x1.5, flange fixation

Vehicle Applic. Renault-VI, Scania



434 208 021 0 M 22x1.5

Vehicle Applic. Dennis, Neoplan, Renault-VI



434 208 027 0 M 22x1.5, flange fixation, VOSS 230

Cross Ref. Mercedes (A0044291544)

434 208 028 0 M 16x1.5, flange fixation

Replacement for 434 208 009 0, 434 208 020 0

434 208 029 0 M 22x1.5, flange fixation

Cross Ref. Schmitz (434/208/029/0), Iveco (4460001014), Krone (500945030), Schmitz (52499), Schmitz (82833030000), Schmitz (82853030000), Iveco (E4460001014), Schmitz (SO50503)

Vehicle Applic. Foden, Iveco, Nissan, PEGASO, Volvo

Replacement for 434 208 021 0

Alternative for 434 208 000 0

434 208 030 0 M 16x1.5, flange fixation, Voss 203

434 208 031 0 M 22x1.5



434 208 035 0 M 16x1.5, flange fixation

Vehicle Applic. Volvo



434 208 055 0 M 16x1.5 / M 14 x1.5. Priority control 2 --11

Cross Ref. Kögel (6500335)

463 068 003 0 M 16x1.5

Cross Ref. Mercedes (0005911295)

Repair Kit 463 068 000 2



434 208 050 0 M 16x1.5 / M 14 x1.5. Priority control 2 --11

Vehicle Applic. MAN, Mercedes

Repair Kit 434 208 000 2

434 208 054 0 M 22x1.5 / M 14x1.5 / M 16x1.5. Priority control 2 --11

15.06 Control Valve

463 013 110 0 Stroke 5.7. Stem 46.9 mm, M 12x1.5

Vehicle Applic. Iveco, Maz

Repair Kit 463 013 004 2



463 013 118 0 Stroke 7.5. Stem 112 mm

Repair Kit 463 013 004 2



463 013 111 0 Stroke 5.7. Stem 39.6 mm, M 12x1.5

Vehicle Applic. Mercedes

Repair Kit 463 013 004 2

463 013 112 0 Stroke 5.7. Stem 37.9 mm, M 12x1.5

Cross Ref. Krone (5810843/1)

Vehicle Applic. Iveco, Mercedes

Alternative for 463 013 012 0

Repair Kit 463 013 004 2



463 013 124 0 Stroke 5.7. Stem 37.9 mm, M 12x1.5, with Nut M 26x1.5

Cross Ref. Krone (505810843)

Vehicle Applic. Iveco

Repair Kit 463 013 004 2



463 013 114 0 Stroke 5.7. Stem 95.6 mm, M 12x1.5

Alternative for 463 013 014 0

Repair Kit 463 013 004 2



463 013 126 0 Stroke 7.5. Stem 57 mm, M 12x1.5

Repair Kit 463 013 004 2

463 013 130 0 Stroke 5.7. Stem 37.9 mm, M 16x1.5

Vehicle Applic. Mercedes

Repair Kit 463 013 004 2

463 013 200 0 Stroke 10. Stem 41 mm, M 12x1.5 / M 16x1.5

Vehicle Applic. Mercedes

463 013 210 0 Stroke 5.7. Stem 37.9 mm, M 12x1.5 / M 16x1.5

Vehicle Applic. Mercedes

Repair Kit 463 013 004 2

463 022 020 0 Stroke 12.5. Stem 42 mm, M 10x1

Repair Kit 463 022 001 2



463 022 021 0 Stroke 12.5. Stem 42 mm, M 10x1

Vehicle Applic. DAF

Repair Kit 463 022 001 2

463 013 116 0 Stroke 5.7. Stem 46.9 mm, M 12x1.5, with Nut M 26x1.5

Cross Ref. Iveco (4782794)


Vehicle Applic. DAF, FAP, IKARBUS, Iveco, Kamaz, Neoplan, Raba, Roman, Sanos, TAM

Repair Kit 463 013 004 2



463 036 000 0 With operating assembly, with Parking position, M 10x1

Vehicle Applic. Iveco, Mercedes, Renault-VI



463 036 001 0 With operating assembly, with Parking position, M 10x1

Vehicle Applic. Iveco

463 036 008 0 With operating assembly, with Parking position, M 12x1.5

Vehicle Applic. Iveco

463 036 010 0 Without actuating knob, with Parking position, M 16x1.5, for Voss 230

Vehicle Applic. Mercedes

463 036 016 0 With operating assembly, with Parking position, M 16x1.5, for Voss 230

Cross Ref. Schmitz (114076), Krone (505809498/1), Schmitz (51265), Schmitz (SO51265)

463 036 024 0 With Push button. Actuating range 4.5. Nominal diameter M 10x1, for Voss 230


Cross Ref. MAN (81521856060)

Vehicle Applic. MAN

463 037 001 0 Nominal diameter 2,5

Vehicle Applic. Mercedes

Repair Kit 463 037 000 2



463 037 006 0 4/3 Directional Control Valve. With operating assembly. Nominal diameter 4

Vehicle Applic. Iveco

Repair Kit 463 037 001 2

463 037 110 0 4/3 Directional Control Valve. With operating assembly. Nominal diameter 3


Cross Ref. Iveco (8188641)

Vehicle Applic. Iveco

Repair Kit 463 037 001 2

563 446 931 0 M 14x1.5. Nominal diameter 7. Control port M 10x1. Push button

Alternative for 563 112 930 0, 563 112 931 0




571 040 000 0 3/2 Directional Control Valve, M 14 x 1.5, 24 V. Normally Open or Closed. Nominal diameter 7

Cross Ref. Schmitz (50515), Schmitz (730238)

Alternative for 571 004 000 0

Replacement for 571 004 009 0, 571 004 940 0




964 001 002 0 Nominal diameter 7mm. 12 bar. Lock valve

Vehicle Applic. Fruehauf, Iveco, Renault-VI, Trailor

Exchange Unit 964 001 002 7


Repair Kit 964 001 000 2



15.07 Solenoid Valve

442 001 222 1 3/2, 24 V, vented, Nominal diameter 1, Electrical connections Bayonet DIN 72585-A1-3.6-Sn/K2

442 040 602 0 24 V, Nominal diameter 1, for ECAS Valve 472 900 ...



472 070 628 0 24 V, vented, Nominal diameter 4. Electrical connections Bayonet DIN 72585-A1-3.2-Sn/K1

Cross Ref. MAN (81521606116)

Vehicle Applic. MAN

Repair Kit 472 170 920 2 (Exhaust)

472 070 639 0 24 V, vented, Nominal diameter 4. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K2, for Voss Push-in fittings

Cross Ref. Mercedes (A0059971236)

Vehicle Applic. Mercedes

472 072 628 0 24 V, vented, Nominal diameter 2.2. Electrical connections Bayonet DIN 72585-A1-3.2-Sn/K1

Cross Ref. MAN (81521606115)

Vehicle Applic. MAN TGA, TGM; Maz

Repair Kit 472 170 920 2 (Exhaust)

472 072 639 0 24 V, vented, Nominal diameter 2.2. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K, for Voss Push-in fittings

Cross Ref. Mercedes (A0059971136)

Vehicle Applic. Mercedes

472 090 202 0 24 V, vented. Nominal diameter 2.8. NPSF 1/4"-18

Vehicle Applic. Scania
Repair Kit 472 090 001 2



472 102 040 0 12 ... 24 V. Normally Open. Nominal diameter 2.2. with Plug

Cross Ref. Kögel (77413)
Exchange Unit 472 102 040 7



472 125 707 0 12 V. Normally Open. Nominal diameter 4. Electrical connections Kostal M 27x1



472 127 140 0 12 ... 24 V. vented. Nominal diameter 2.2, with Plug

Vehicle Applic. IKARBUS, TAM
Exchange Unit 472 127 140 7



472 170 600 0 24 V, vented. Nominal diameter 4. Electrical connections Kostal M 27x1

Cross Ref. Mercedes (A0049979036)
Vehicle Applic. Dennis
Alternative for 472 124 108 0, 472 126 108 0
Repair Kit 472 170 920 2 (Exhaust)



472 170 601 0 12 V, vented. Nominal diameter 4. Electrical connections Kostal M 27x1

472 170 604 0 24 V, vented. Nominal diameter 4. Electrical connections Bayonet

Alternative for 472 133 158 0, 472 166 158 0
Repair Kit 472 170 920 2 (Exhaust)

472 170 606 0 24 V, vented. Nominal diameter 4. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K1

Vehicle Applic. DAF
Repair Kit 472 170 920 2 (Exhaust)



472 170 636 0 24 V, vented. Nominal diameter 4. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K2

Vehicle Applic. EVO-Bus
Repair Kit 472 170 920 2 (Exhaust)

472 170 686 0 24 V, vented. Nominal diameter 4. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K2

472 171 000 0 24 V, Normally Open. Nominal diameter 2.2. Electrical connections Kostal M 27x1

Alternative for 472 128 908 0

472 171 336 0 24 V. Normally Open. Nominal diameter 2.2. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K2

472 171 700 0 24 V. Normally Open. Nominal diameter 2.2. Electrical connections Kostal M 27x1

Cross Ref. Schmitz (50804)



472 172 600 0 24 V, vented. Nominal diameter 2.2. Electrical connections Kostal M 27x1

Cross Ref. Schmitz (50805)
Alternative for 472 123 108 0
Repair Kit 472 170 920 2 (Exhaust)



472 172 606 0 24 V, vented. Nominal diameter 2.2 / 3. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K1

Vehicle Applic. DAF
Repair Kit 472 170 920 2 (Exhaust)

472 172 620 0 24 V, vented. Nominal diameter 2.2 / 3. Electrical connections Kostal M 27x1.5

Replacement for 472 123 198 0, 472 123 706 0
Repair Kit 472 170 920 2 (Exhaust)

472 172 626 0 24 V, vented. Nominal diameter 2.2 / 3. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K1

Vehicle Applic. DAF, Iveco
Repair Kit 472 170 920 2 (Exhaust)



472 172 686 0 24 V, vented. Nominal diameter 2.2 / 3. Electrical connections DIN 72585-A1-2.1-Sn/K1

Vehicle Applic. DAF

472 173 226 0 24 V. Normally Open. Nominal diameter 4. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K2

Vehicle Applic. Iveco

472 173 428 0 24 V. Normally Open. Nominal diameter 4. Electrical connections Bayonet DIN 72585-A1-3.2-Sn/K1


Cross Ref. MAN (81521606125)
Vehicle Applic. MAN



472 173 700 0 24 V. Normally Open. Nominal diameter 4. Electrical connections Kostal M 27x1

Vehicle Applic. ERF


Alternative for 472 125 708 0



472 173 704 0 24 V. Normally Open. Nominal diameter 4. Electrical connections Bayonet

Replacement for 884 009 653 0

Alternative for 472 134 758 0




472 176 316 0 24 V. Normally Open. Nominal diameter 4 mm. Bayonet DIN 72585-A1-2.1-Sn/K1, M 16x1.5, for Voss 230

Cross Ref. Mercedes (A0049978236)


Vehicle Applic. DAF, MAN, Mercedes

Repair Kit 472 170 920 2 (Exhaust)



15.08 Exhaust Filter


432 700 000 0 M 22x1.5, for Valves / Brake Actuator



15.09 Exhaust

899 470 200 0 M 14x1, DIN 158

Cross Ref. Kögel (325880), Schmitz (731616)



15.10 Non-return Valve

434 014 000 0 M 22x1.5 max. 20 bar

Cross Ref. Iveco (4700564), Iveco (4712513), Iveco (500227227), Schmitz (50522), Mercedes (520531210000), Iveco (5801102155), Schmitz (730616), MAN

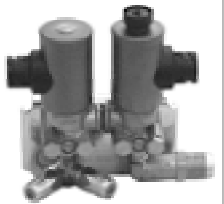


472 178 426 0 Supply dump valve, 24 V, Idle position: closed, Nominal diameter 2.2 mm, Bayonet DIN 72585-A1-2.1-Sn/K1


Vehicle Applic. DAF

472 279 906 0 3/2 Directional Control Valve + Supply dump valve, 24 V. vented. Nominal diameter 4. Electrical connections Bayonet DIN 72585-A1-2.1-Sn/K1

Cross Ref. Scania (1801425)



432 703 000 0 M 12x1.5



Cross Ref. Iveco (4700564), Iveco (4712513), Iveco (500227227), Schmitz (50522), Mercedes (520531210000), Iveco (5801102155), Schmitz (730616), MAN (81521206004), Schmitz (82836180000), Mercedes (A0004290444), S

Vehicle Applic. DAF, EVO-Bus, FAP, IKARBUS, Iveco, MAN, Maz, Neoplan, Nissan, PE-GASO, Raba, Renault-VI, Sanos, TAM

434 014 001 0 M 22x1.5, max. 8 bar, constant throttling Ø 1mm

434 014 008 0 M 22x1.5, max. 20 bar. Port 2 with strainer screen

434 014 011 0 M 22x1.5 (Parker) max. 20 bar

Vehicle Applic. Renault-VI

434 014 100 0 M 22x1.5, max. 20 bar, with silencing

Cross Ref. Mercedes (A0034290744)

Vehicle Applic. EVO-Bus, Mercedes



434 014 200 0 M 22x1.5, max. 20 bar. Port 2 with strainer screen

Cross Ref. Mercedes (A0054296644)

15.11 Throttled Check Valve

434 015 000 0 M 22x1.5, Throttle Ø 0.3 mm - Ø 5 mm,

Vehicle Applic. DAF, Leyland DAF

Repair Kit 434 015 000 2



15.12 Pressure Switch



441 009 ...

441 014 ...

441 014 ...

Part number	Type	Switch pressure	Port threads	Max. operating pressure
441 009 001 0	Cut-in switch	5,0 ±0,1 bar	M 22x1,5	
441 009 100 0	Cut-out switch	0.3 ±0.1 bar	M 22x1,5	
441 009 101 0	Cut-out switch	5 ±0.2 bar	M 22x1,5	
441 014 001 0	Cut-in switch	2.0 ±0.2 bar	M 12x1.5	10 bar
441 014 004 0	Cut-out switch	5.5 ±0.6 bar	M 12x1.5	10 bar
441 014 006 0	Cut-out switch	2.0 ±0.2 bar	M 12x1.5	10 bar
441 014 010 0	Cut-out switch	0.3 ±0.1 bar	M 12x1.5	10 bar
441 014 013 0	Cut-out switch	4.0 ±0.4 bar	M 12x1.5	10 bar
441 014 014 0	Cut-out switch	4.5 ±0.5 bar	M 12x1.5	10 bar
441 014 015 0	Cut-out switch	5.0 ±0.5 bar	M 12x1.5	10 bar
441 014 017 0	Cut-in switch	4.0 ±0.4 bar	M 12x1.5	10 bar
441 014 019 0	Cut-in switch	0.15 +0.05-0.1 bar	M 12x1.5	10 bar
441 014 021 0	Cut-in switch	0.5 ±0.1 bar	M 12x1.5	10 bar
441 014 025 0	Cut-out switch	6.0 ±0.7 bar	M 12x1.5	10 bar
441 014 029 0	Cut-in switch	5.0 ±0.5 bar	M 12x1.5	10 bar
441 014 032 0	Cut-out switch	5.2 ±0.5 bar	M 12x1.5	10 bar
441 014 040 0	Cut-in switch	3.0 ±0.4 bar	M 12x1.5	10 bar
441 014 072 0	Cut-out switch	6.6 ±0.5 bar	M 12x1.5	10 bar
441 014 102 0	Cut-out switch	5.5 ±0.6 bar	M 12x1.5 innen	10 bar
441 014 104 0	Cut-in switch	0.5 ±0.1 bar	M 12x1.5 innen	10 bar

15.13 Others

434 500 003 0 Double Cut-Off Valve, M
22x1.5, "Select low"

Cross Ref. Kögel (330595), Iveco
(4712513), MAN
(81512306012)

Vehicle Applic. DAF, Iveco, MAN

Replacement for 434 500 000 0

Repair Kit 434 500 920 2



452 601 005 0 Tyre Inflation Hose. Length 10 m

453 002 000 0 Pressure Gauge Ø 60, to
10 bar



452 601 000 0 Tyre Inflation Hose,
Length 6 m



453 197 000 0 Twin Pressure Gauge Ø 60, to 10 bar

Testing, Diagnosis

16.01 Diagnosis

246 301 900 0 Diagnostic software package, download subscription, for all systems



246 301 901 0 Diagnostic software package, download subscription. Type: Trailer

246 301 902 0 Diagnostic software package, download subscription. Type: Bus

246 301 904 0 Diagnostic software package, download subscription. Type: Motor Vehicle

446 300 430 0 Compact-Tester for all systems: ABS Motor Vehicle, ABS Trailer



446 301 022 0 Diagnostic Interface with Connecting Cable (USB)



446 301 023 0 Diagnostic accessory case, Trailer, with Diagnostic Interface (USB)



446 301 025 0 Diagnostic accessory case. Motor Vehicle

446 301 026 0 Diagnostic accessory case. Bus

446 302 001 0 WABCO EXpert Diagnostics Compact



446 302 012 0 Toughbook Computer, without Diagnostic Program. Keyboard: English

Spanish 446 302 043 0

English 446 302 012 0

German 446 302 040 0

French 446 302 041 0

Italian 446 302 042 0

Polish 446 302 051 0

Russian 446 302 050 0

Dutch 446 302 045 0

Portugese 446 302 049 0

Swedish 446 302 046 0

Swiss 446 302 048 0



446 302 102 0 WABCO EXpert Diagnostics Advanced



446 302 103 0 WABCO EXpert Diagnostics Premium



446 302 104 0 WABCO EXpert Diagnostics Advanced, without Cable Set. without Diagnostic Software



446 302 105 0 WABCO EXpert Diagnostics Premium, without Cable Set. without Diagnostic Software




16.02 Measuring Device


435 002 007 0 Test Case for The Compressed Air Braking System, Pressure Gauge Calibrated



435 002 011 0 Test Case for Air Braking Systems in Vehicles for Agriculture and Forestry, Pressure Gauge: Calibrated




435 008 000 0 Measuring Device: Automatic Load Sensing Valve. Trailer



452 600 003 0 Test Hose. Length 6.5 m. Blue


Repair Kit 452 600 920 2




452 600 004 0 Test Hose. Length 6.5 m. White

Repair Kit 452 600 920 2

453 004 005 0 Pressure Gauge Ø 100. Calibrated, to 10 bar



453 004 007 0 Pressure Gauge Ø 100. Calibrated, to 16 bar



453 004 009 0 Pressure Gauge Ø 100. Calibrated, to 25 bar

Others

17.01 Plastic Tube



828 251 ...

Part number	Nominal diameter	Colour	Length	Range of application
828 002 110 6	Ø 10x1.5	Black	100 m	
828 002 116 6	Ø 16x2	Black	100 m	
828 251 008 6	Ø 8x1	Black	100 m	
828 251 010 6	Ø 10x1	Black	100 m	
828 251 011 6	Ø 10x1.5	Black	50 m	
828 251 012 6	Ø 12x1.5	Black	100 m	
828 251 106 6	Ø 6x1	Black	25 m	
828 251 108 6	Ø 8x1	Black	25 m	
828 251 110 6	Ø 10x1	Black	25 m	
828 251 112 6	Ø 12x1.5	Black	25 m	
828 251 114 6	Ø 14x2	Black	25 m	
828 251 115 6	Ø 15x1.5	Black	25 m	
828 251 116 6	Ø 16x2.25	Black	25 m	
828 251 118 6	Ø 18x2	Black	25 m	
828 251 914 6	Ø 12x1.5	Black	50 m	
828 251 915 6	Ø 10x1	Black	50 m	
828 251 924 6	Ø 4x1	Blue	25 m	Ancillaries
828 251 934 6	Ø 10x1.25	Black	100 m	
828 251 942 6	Ø 15x2	Black	50 m	
828 251 950 6	Ø 8x1	Yellow	100 m	Ancillaries
828 251 951 6	Ø 8x1	Blue	100 m	Ancillaries
828 251 952 6	Ø 8x1	Red	100 m	Ancillaries
828 251 953 6	Ø 8x1	Green	100 m	Ancillaries
828 251 967 6	Ø 6x1	Black	100 m	
828 251 968 6	Ø 15x1.5	Black	100 m	
828 251 969 6	Ø 18x2	Black	100 m	
828 251 970 6	Ø 6x1	Black	50 m	
828 251 971 6	Ø 8x1	Black	50 m	
828 251 972 6	Ø 15x1.5	Black	50 m	
828 251 976 6	Ø 10x1.25	Black	500 m	
828 251 977 6	Ø 15x2	Black	100 m	
828 251 978 6	Ø 4x1	Black	100 m	
828 252 110 6	Ø 10x1.5	Black	25 m	
828 252 112 6	Ø 12x1.75	Black	25 m	
828 252 113 6	Ø 8x1	Black	500 m	
828 252 114 6	Ø 10x1	Black	500 m	
828 252 115 6	Ø 12x1.5	Black	500 m	
828 876 952 6	Ø 4x1	Red	25 m	Ancillaries
828 876 953 6	Ø 4x1	Black	25 m	

17.02 Brake Hose

Part number	Nominal diameter	Colour	Length	Comments
828 876 011 6	Ø 11x3.5	Black	20 m	smooth
828 876 013 6	Ø 13x6	Black	20 m	smooth
828 876 411 6	Ø 11x3.5	Black	40 m	smooth
828 876 413 6	Ø 13x6	Black	40 m	smooth
828 876 915 6	Ø 4x3	Blue	25 m	
828 877 000 6	Ø 13x6	Black	20 m	Rolled laminated
828 877 001 6	Ø 11x3.5	Black	20 m	Rolled laminated

17.03 Connecting Cable



449 753 100 0

894 601 132 2

Part number	Type	Length	A Connection	B Connection	Comments
449 413 040 0	Bayonet	4 m	ISO 15170-B1-3.1-SN/K1	3x bared ends	
449 413 050 0	Bayonet	5 m	ISO 15170-B1-3.1-SN/K1	3x bared ends	
449 413 060 0	Bayonet	6 m	ISO 15170-B1-3.1-SN/K1	3x bared ends	
449 413 080 0	Bayonet	8 m	ISO 15170-B1-3.1-SN/K1	3x bared ends	
449 413 100 0	Bayonet	10 m	ISO 15170-B1-3.1-SN/K1	3x bared ends	
449 413 150 0	Bayonet	15 m	ISO 15170-B1-3.1-SN/K1	3x bared ends	
449 415 060 0	Bayonet	6 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	
449 415 080 0	Bayonet	8 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	
449 415 100 0	Bayonet	10 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	
449 513 004 0	Bayonet	0.4 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 040 0	Bayonet	4 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 050 0	Bayonet	5 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 060 0	Bayonet	6 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 080 0	Bayonet	8 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 090 0	Bayonet	9 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 100 0	Bayonet	10 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 120 0	Bayonet	12 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 150 0	Bayonet	15 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 513 160 0	Bayonet	16 m	ISO 15170-B1-3.1-Sn/K1	3x bared ends	90° Plug
449 515 004 0	Bayonet	0.4 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 515 020 0	Bayonet	2 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 515 050 0	Bayonet	5 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 515 070 0	Bayonet	7 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 515 100 0	Bayonet	10 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 515 150 0	Bayonet	15 m	ISO 15170-B1-2.1-Sn/K1	2x bared ends	90° Plug
449 521 005 0	Kostal	0.5 m	M 27x1	2x bared ends	
449 521 100 0	Kostal	10 m	M 27x1	2x bared ends	
449 521 150 0	Kostal	15 m	M 27x1	2x bared ends	
894 600 451 2	Kostal	0.3 m	M 27x1	2x bared ends	90° Plug
894 600 454 2	Kostal	5 m	M 27x1	2x bared ends	90° Plug

Part number	Type	Length	A Connection	B Connection	Comments
894 600 458 2	Kostal	10 m	M 27x1	2x bared ends	90° Plug
894 601 132 2	Adapter	0,15 m	ISO 15170-B1-3.1-Sn/K1	M 24	Kostal Plug
894 601 133 2	Adapter	0,15 m	ISO 15170-B1-3.1-Sn/K1	M 24	Kostal Connector
894 601 134 2	Adapter	0,15 m	ISO 15170-B1-2.1-Sn/K1	M 27	Kostal Plug
894 601 135 2	Adapter	0,15 m	ISO 15170-B1-2.1-Sn/K1	M 27	Kostal Connector

17.04 Grease

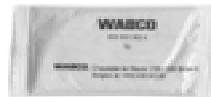
830 502 076 4 5 g Standard grease
RHF1



830 503 065 4 1 kg. Standard grease RHF 1

830 503 062 4 5 g, for Sensors

Replacement for 830 502 068 4



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10 410 851	57	415 402 203 0	8	423 114 710 0	46	432 500 021 0	72	434 100 602 0	17
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- IVTM
- Disc brake

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