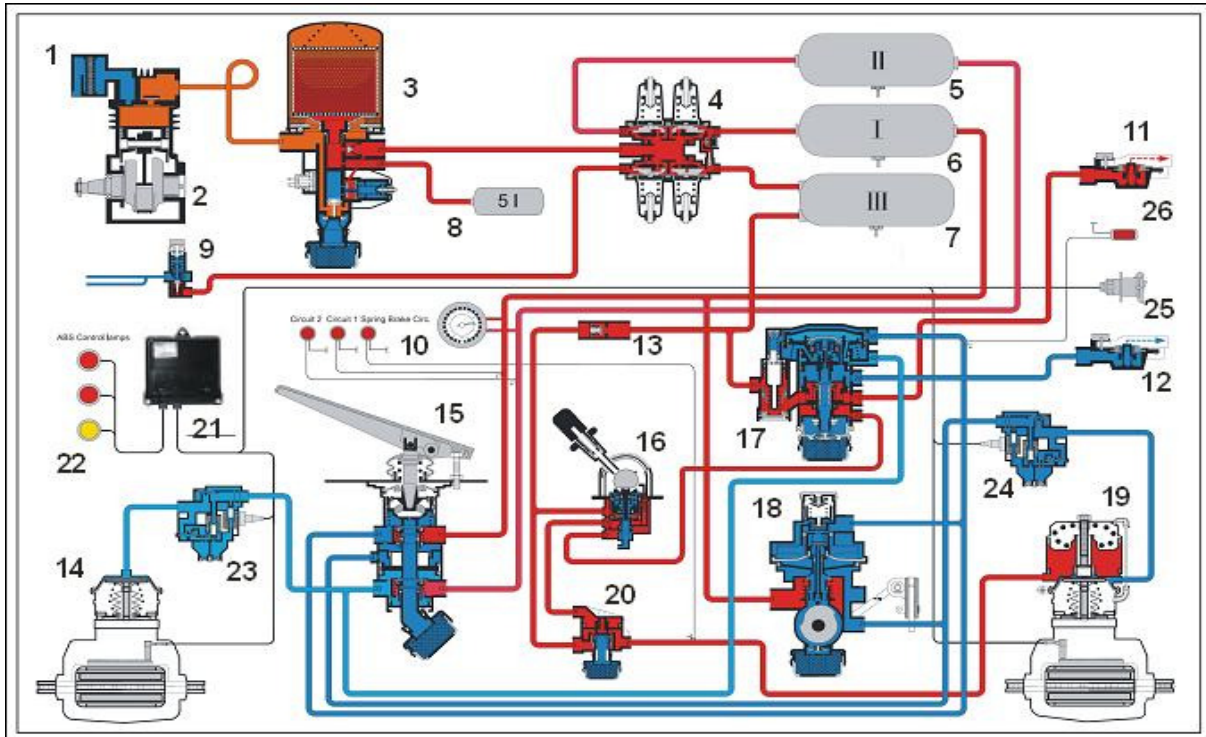


WABCO

Automotive South Africa

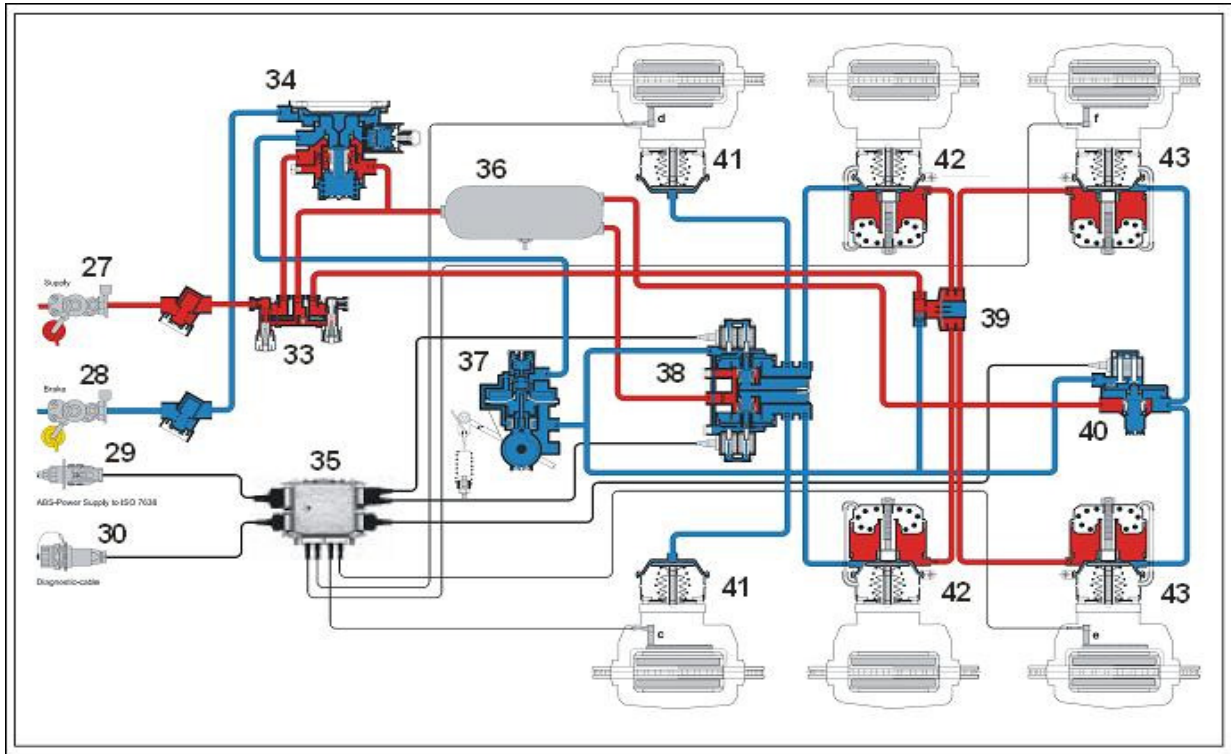
QUICK CATALOGUE 2011

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- | | |
|---|---------------------------------|
| 1 Suction Strainer | 14 Brake Chamber |
| 2 Compressor | 15 Foot Brake Valve |
| 3 Air Dryer | 16 Park Brake Valve |
| 4 Four Circuit Protection Valve | 17 Trailer Control Valve |
| 5 Reservoir Circuit 2 (Front Brakes) | 18 Relay Load Sensing Valve |
| 6 Reservoir Circuit 1 (Rear Brakes) | 19 Spring Brakes |
| 7 Reservoir Circuit 3 (Park Brakes / Trailer) | 20 Relay Valve |
| 8 Reservoir (Regeneration) | 21 ABS ECU |
| 9 Exhaust Brake Valve | 22 ABS Warning Lamps |
| 10 Pressure Gauges | 23 ABS Solenoid Valve (Front) |
| 11 Coupling (Red) Emergency Line | 24 ABS Solenoid Valve (Relay) |
| 12 Coupling (Yellow) Service Line | 25 Power Supply Cable (Trailer) |
| 13 Non Return Valve | 26 Stop Light |

TRAILER COMPONENTS



- | | |
|-----------------------------------|---|
| 27 Coupling (Red) Emergency Line | 40 ABS Solenoid Relay Valve (Steering Axle) |
| 28 Coupling (Yellow) Service Line | 41 Brake Chamber |
| 29 ABS Power Supply Cable | 42 Spring Brake |
| 30 ABS Diagnostic Cable | 43 Spring Brake |
| 31 Line Filter | |
| 32 Line Filter | |
| 33 Park Shunt Valve | |
| 34 Relay Emergency Valve | |
| 35 ABS ECU | |
| 36 Air Reservoir | |
| 37 Relay Load Sensing Valve | |
| 38 ABS Modulator Relay Valve | |
| 39 Quick Release Valve | |

COMPRESSORS

<p>411 003 011 0 Single Cylinder Compressor 411 003 001 0 150cm³ - Self Lube (75mm Bore)</p>  <table border="0"> <tr><td>Gasket Kit & Oil Seal</td><td>ASA 5272</td></tr> <tr><td>Ring Set (75mm) Bore</td><td>ASA 5273</td></tr> <tr><td>Head Kit</td><td>ASA 6282</td></tr> <tr><td>Con Rod Bearing</td><td>411 003 340 4</td></tr> <tr><td>Piston Complete</td><td>411 141 623 2</td></tr> <tr><td>Con rod Complete</td><td>411 003 733 2</td></tr> <tr><td>Head</td><td>NLA 411 003 800 2</td></tr> <tr><td>Pulley 8" Diam</td><td>A97/147</td></tr> <tr><td>Filter - Wet Suction</td><td>432 600 000 0</td></tr> </table>	Gasket Kit & Oil Seal	ASA 5272	Ring Set (75mm) Bore	ASA 5273	Head Kit	ASA 6282	Con Rod Bearing	411 003 340 4	Piston Complete	411 141 623 2	Con rod Complete	411 003 733 2	Head	NLA 411 003 800 2	Pulley 8" Diam	A97/147	Filter - Wet Suction	432 600 000 0	<p>411 141 000 0 Single 75mm Bore Compressor Mono Block Application Deutz / Iveco</p>  <table border="0"> <tr><td>Ring Set (75mm Bore)</td><td>ASA 5279</td></tr> <tr><td>Head Kit</td><td>ASA 6312</td></tr> <tr><td>Gasket Kit</td><td>ASA 6313</td></tr> <tr><td>Main Bush</td><td>411 141 205 4</td></tr> <tr><td>Con Rod Bearing Per Half</td><td>411 042 341 4</td></tr> <tr><td>Pulley 8" Diam</td><td>A97/147</td></tr> </table>	Ring Set (75mm Bore)	ASA 5279	Head Kit	ASA 6312	Gasket Kit	ASA 6313	Main Bush	411 141 205 4	Con Rod Bearing Per Half	411 042 341 4	Pulley 8" Diam	A97/147				
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<p>411 142 711 0 Single 90mm Bore Compressor Superseded by 411 011 520 0 / 523 0</p> <table border="0"> <tr><td>Vickers Flange Application</td><td>Mercedes Benz</td></tr> <tr><td>Repair Kit</td><td>411 142 002 2</td></tr> <tr><td>Piston</td><td>411 142 623 2</td></tr> <tr><td>Crankshaft</td><td>411 141 690 4</td></tr> <tr><td>Conrod</td><td>411 142 734 2</td></tr> <tr><td>Valve Plate</td><td>411 142 501 2</td></tr> </table>	Vickers Flange Application	Mercedes Benz	Repair Kit	411 142 002 2	Piston	411 142 623 2	Crankshaft	411 141 690 4	Conrod	411 142 734 2	Valve Plate	411 142 501 2	<p>411 151 003 0 Single 85mm Bore Compressor Superseded by 411 151 008 0 WC Flange Water Cooled Flange Compressor (85mm Bore) Application Mercedes Benz</p>  <table border="0"> <tr><td>Cylinder Head</td><td>411 154 800 2</td></tr> <tr><td>Piston and Rings</td><td>911 501 624 2</td></tr> <tr><td>Crankshaft</td><td>412 352 690 4</td></tr> <tr><td>Con Rod</td><td>911 145 738 2</td></tr> <tr><td>Gasket Kit</td><td>411 154 000 2</td></tr> <tr><td>Gasket Barrel to Valve Plate</td><td>411 151 052 4</td></tr> </table>	Cylinder Head	411 154 800 2	Piston and Rings	911 501 624 2	Crankshaft	412 352 690 4	Con Rod	911 145 738 2	Gasket Kit	411 154 000 2	Gasket Barrel to Valve Plate	411 151 052 4										
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<p>411 034 501 0 229cm³. UD (Rotation Forced Oiling.) AC (Air Cooling). 2800 RPM max. Vickers. Flange. (90mm Bore)</p>  <table border="0"> <tr><td>Application</td><td>Mercedes Benz</td></tr> <tr><td>Repair Kit - Complete</td><td>ASA 6501</td></tr> <tr><td>Head Kit</td><td>ASA 5280</td></tr> <tr><td>Gasket Kit including Oil Seal</td><td>ASA 5281</td></tr> <tr><td>Ring Set (90mm) Bore</td><td>ASA 5410</td></tr> <tr><td>Valve Plate Complete</td><td>411 034 500 2</td></tr> <tr><td>Main Bearing Bush</td><td>411 042 340 4</td></tr> <tr><td>Con Rod Bearing Per Half</td><td>411 042 341 4</td></tr> <tr><td>Piston Complete</td><td>411 042 620 2</td></tr> </table>	Application	Mercedes Benz	Repair Kit - Complete	ASA 6501	Head Kit	ASA 5280	Gasket Kit including Oil Seal	ASA 5281	Ring Set (90mm) Bore	ASA 5410	Valve Plate Complete	411 034 500 2	Main Bearing Bush	411 042 340 4	Con Rod Bearing Per Half	411 042 341 4	Piston Complete	411 042 620 2	<p>411 145 507 0 WC (Water Cooled), UD, 203cm³. 3000 PRM Vickers Flange. (75mm Bore).</p>  <table border="0"> <tr><td>Application</td><td>MAN</td></tr> <tr><td>Con Rod Bearing</td><td>411 042 341 4</td></tr> <tr><td>Cylinder Head</td><td>411 145 653 2</td></tr> <tr><td>Gasket Kit</td><td>411 145 000 2</td></tr> <tr><td>Leaf Valve</td><td>411 041 051 4</td></tr> <tr><td>Piston With Rings</td><td>411 141 623 2</td></tr> <tr><td>Valve (Bunny Ears)</td><td>411 041 050 4</td></tr> <tr><td>Ring Set 75mm</td><td>ASA5279</td></tr> </table>	Application	MAN	Con Rod Bearing	411 042 341 4	Cylinder Head	411 145 653 2	Gasket Kit	411 145 000 2	Leaf Valve	411 041 051 4	Piston With Rings	411 141 623 2	Valve (Bunny Ears)	411 041 050 4	Ring Set 75mm	ASA5279
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<p>411 143 805 0 293cm³. UD. AC. 3000 RPM max. (90mm Bore) Application Deutz / Iveco</p>  <table border="0"> <tr><td>Head Kit ADE 407</td><td>ASA 5371</td></tr> <tr><td>Gasket (not in kit above)</td><td>897 316 999 4</td></tr> <tr><td>"O" Ring Front</td><td>897 670 190 4</td></tr> <tr><td>Oil Seal</td><td>811 408 040 4</td></tr> <tr><td>Ring Set (90mm Bore)</td><td>ASA 5410</td></tr> <tr><td>Bush</td><td>411 141 205 4</td></tr> </table>	Head Kit ADE 407	ASA 5371	Gasket (not in kit above)	897 316 999 4	"O" Ring Front	897 670 190 4	Oil Seal	811 408 040 4	Ring Set (90mm Bore)	ASA 5410	Bush	411 141 205 4	<p>412 352 027 0 Single Cyl Water Cooled 85mm bore Supersedes 412 352 016 0 352cm³ 3000RPM 12.5Bar</p>  <table border="0"> <tr><td>Application</td><td>Axor</td></tr> <tr><td>Gasket Kit</td><td>412 352 923 2</td></tr> <tr><td>Cylinder Head</td><td>412 352 922 2</td></tr> <tr><td>Flange Seal ****</td><td>A457 131 018 0</td></tr> <tr><td>**** only from Merc</td><td></td></tr> </table>	Application	Axor	Gasket Kit	412 352 923 2	Cylinder Head	412 352 922 2	Flange Seal ****	A457 131 018 0	**** only from Merc													
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<p>412 352 003 0 352cm³ UD, WC. 3000 PRM (85mm Bore).</p>  <table border="0"> <tr><td>Application</td><td>MAN</td></tr> <tr><td>Gasket Kit</td><td>412 352 001 2</td></tr> <tr><td>Main Bearing Bush</td><td>911 004 202 4</td></tr> <tr><td>Piston With Rings</td><td>911 501 624 2</td></tr> <tr><td>Con Rod</td><td>911 145 738 2</td></tr> <tr><td>Cylinder Head L shape</td><td>412 352 924 2</td></tr> <tr><td>Sump (welsh) Plug</td><td>895 073 589 4</td></tr> </table>	Application	MAN	Gasket Kit	412 352 001 2	Main Bearing Bush	911 004 202 4	Piston With Rings	911 501 624 2	Con Rod	911 145 738 2	Cylinder Head L shape	412 352 924 2	Sump (welsh) Plug	895 073 589 4	<p>411 154 003 0 352cm³. UD. WC. 3000 RPM max. Supersedes 411 154 000 0</p>  <table border="0"> <tr><td>Flange Compressor (85mm Bore) Actros/Artego/Bell</td><td></td></tr> <tr><td>Application</td><td>411 154 800 2</td></tr> <tr><td>Cylinder Head & Gasket</td><td>911 501 624 2</td></tr> <tr><td>Piston and Rings</td><td>412 352 690 4</td></tr> <tr><td>Crankshaft</td><td>911 145 738 2</td></tr> <tr><td>Con Rod</td><td>411 154 000 2</td></tr> <tr><td>Gasket Kit</td><td>411 151 052 4</td></tr> <tr><td>Gasket Barrel to Valve Plate</td><td></td></tr> <tr><td>(Included in gasket kit above)</td><td></td></tr> </table>	Flange Compressor (85mm Bore) Actros/Artego/Bell		Application	411 154 800 2	Cylinder Head & Gasket	911 501 624 2	Piston and Rings	412 352 690 4	Crankshaft	911 145 738 2	Con Rod	411 154 000 2	Gasket Kit	411 151 052 4	Gasket Barrel to Valve Plate		(Included in gasket kit above)			
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GENERAL AIR DRYERS



432 410 083 0



432 410 113 / 117 0 / 202 0



432 420 002 0 / 008 0



932 400 005 0

Part Number	Repair kits			Cut Out Pressure	Description / Application
	Unloader	Dryer	Cartridge		
432 410 000 0	432 410 001 2	432 410 002 2	432 410 222 7	8.1 Bar	With 24V Heater same as ...200 0
432 410 200 0	432 410 001 2	432 410 002 2	432 410 222 7	8.1 Bar	With 24V Heater cut out pressure tag
432 410 003 0	432 410 001 2	432 410 002 2	432 410 222 7	8.1 Bar	With 12V Heater
432 410 022 0	432 410 001 2	432 410 002 2	432 410 222 7	9.5 Bar	With 24V Heater Port 4 M12 Snap on Exhaust. Nissan
432 410 023 0	432 410 001 2	432 410 002 2	432 410 222 7	11 Bar	Iveco
432 410 083 0	432 410 001 2	432 410 001 2	432 410 927 2	9.3 Bar	With 24V heater & port 4/23 PR valve line Scania
432 410 101 0	432 410 001 2	432 410 002 2	432 410 222 7	8.1 bar	Superceded to 432 410 202 0
432 410 111 0	432 410 001 2	432 410 002 2	432 410 222 7	12.5 Bar	Snap on Exhaust.
432 410 112 0	432 410 001 2	432 410 002 2	432 410 222 7	12.5 Bar	With Heater . MAN
432 410 113 0	432 410 001 2	432 410 002 2	432 410 222 7	12.5 Bar	No Heater. Snap on Exhaust. Voss. MAN
432 410 115 0	432 410 001 2	432 410 002 2	432 410 222 7	8.5 Bar	No Heater. Snap on Exhaust. Voss. MAN
432 410 116 0	432 410 001 2	432 410 002 2	432 410 222 7	10 Bar	With Heater. Voss. MAN
432 410 117 0	432 410 001 2	432 410 002 2	432 410 222 7	10 Bar	No Heater. Snap on Exhaust. Voss. MAN F2000
432 410 202 0	432 410 001 2	432 410 002 2	432 410 222 7	8.1 bar	Snap on Exhaust. Voss. General Use Piston A6645
432 415 029 0	No Repair Kit		432 410 222 7	8.3 Bar	With Heater. ERF.
432 420 002 0		432 410 002 2	432 410 222 7	13 Bar	No Heater Pt 4 M12 Ports M22 Merc Volvo
432 421 008 0		432 410 002 2	432 410 222 7	13 Bar	No Heater Unloader Pt 4 M16&M22 Snap on Exh. Voss
432 431 008 0		432 431 002 2	432 410 222 7		With Heater. Pt M22 Twin Cannister. Volvo.
432 432 279 0	432 410 001 2	432 432 000 2	432 410 222 7	10 Bar	With Heater. Twin Cannister. Volvo.
932 400 001 0	432 410 001 2	932 400 000 2	432 420 220 2	12 Bar	No Heater. for APU 932 500 001 0/006 0 No port 4
932 400 002 0	432 410 001 2	932 400 000 2	432 420 220 2	12 Bar	With Heater. for APU 932 500 005 0 No port 4
932 400 005 0	432 410 001 2	932 400 000 2	432 420 220 2	12 Bar	No Heater. for APU 932 500 013 0 with port 4 Actros
932 400 024 0 Note	432 410 001 2	932 400 000 2	432 420 220 2	12 Bar	Replaces 010/ 020/ 050 Kit ASA7015 with mods Actros
432 425 105 0 Note		432 410 002 2	432 425 920 0	13 Bar	Replaces 432 425 001 0/ 101 0 ECAD Volvo FH FM

Includes solenoid

NOTE AIR DRYERS: **Service Kit:** ASA7070 repairs 432 410 ... to 432 421 Dryer and Unloader section & include Vers A & B spares
 Version B Piston 432 410 622 4 Version A Piston A6645
Service Kit: ASA7015 repairs 932 400 001 0 / 002 0 / 005 0 / 024 0

AMERICAN VEHICLE AIR DRYERS

432 413 003 0

0.7 Backflow. 12v With heater

Port 4 = 1/4" NPT.

Cut-off Pressure 7.9 Bar

Application International

Repair Kit :

Check Valve 432 413 925 2

Bypass Valve 432 420 926 2

Turbo Cut-off 432 413 928 2

Purge Valve 432 413 929 2

Regeneration 432 413 930 2

Service Kit ASA6953

Cartridge 432 410 222 7

Rockwell Airdryer



AIR PROCESSING UNITS

932 500 006 0

Combination Air dryer and Four Circuit

Dryer 932 400 001 0

Quad valve 934 705 005 0

Application Mercedes Benz Actros



932 500 007 0

Combination Air dryer and Four Circuit

Air Dryer 932 400 002 0

Quad Valve 934 705 005 0

Application: Mercedes Benz Actros

Repair Kit :

Unloader 432 410 001 2

Dryer 932 400 000 2

Cartridge 432 420 220 2



AIR DRYER INSTALLATION KIT

7186210

4324102020	AIR DRYER SINGLE UNLOADER
8114010324	WASHER 12MM ALUMINIUM
8114010804	WASHER 22MM ALUMINIUM
8282519086	NYLON PIPE 6 X 1MM BLACK
8930100204	PLUG M22 X 1.5
8930402104	NYLON INSERT 6 X 1
8935111104	PIPE CLAMP 6MM
8938000140	UNION M12 X 1.5 X 6MM
8938000220	UNION M22 X 1.5 X 6MM
AGA179	AIR RESERVOIR 5L X 8"



AIR DRYER CARTRIDGES



432 410 226 2



432 420 220 2



432 410 222 7



432 901 223 2



433 901 244 2

Part Number	Port Thread	Description	Application
432 410 226 2	G 1 1/4"	Max 13 Bar	Scania - Superseded by 432 410 927 2
432 420 220 2	M42 x 1.5	Max 20 Bar. Without 'O' Ring	Mercedes Actros
432 410 222 7	M39 x 1.5	Operating 13 Bar With 'O' Ring	General. Use in place of 432 410 020 2
432 901 223 2	M39 x 1.5	Air System Protector 13 Bar	Extracts oil carry over
433 901 244 2	M39 x 1.5	Air System Protector Plus 13 Bar	Improved ASP for heavy contaminant and oil

MULTI CIRCUIT PROTECTION VALVES



934 702 210 /221/250 0



934 702 100 0/300 0/350 0



934 714



434 700 003 0



934 705 005 0

Part Number	Opening pressure Bar				Description	Application	Repair kit
	21	22	23	24			
934 700 040 0	6.0	6.0			20 Bar Supp-M22 Del-M16	Two Circuit	934 700 000 2
934 702 040 0	6.0	6.0	5.5	5.5	10 Bar 5 Port Supp-M22 Del-M16	4 Circuit	934 702 000 2
934 702 210 0	7.0	7.0	7.0	7.0	10 Bar 7 Port Supp-M22 Del-M16	General Truck/Bus	ASA 5735
934 702 221 0	7.0	7.0	7.0	7.0	20 Bar 7 Port Supp-M22 Del-M16	General Truck/Bus	ASA 5736
934 702 223 0	6.9	6.9	7.0	6.9	20 Bar 7 Port Supp-M22 Del-M16	MAN	934 702 900 2
934 702 250 0	7.0	7.0	7.0	7.0	20 Bar 5 Port Supp-M22 Del-M16	General Truck/Bus	ASA 5394
934 702 100 0	7.0	7.0	6.0	6.0	10 Bar 5 Port Supp-M22 Del-M16	Merc, Iveco, DAF, Renault	ASA 5393
934 702 260 0	7.0	7.0	7.0	7.0	20 Bar 5 Port All ports M22	DAF, Powerliner	934 702 004 2
934 702 302 0	7.0	7.0	7.0	7.0	20 Bar 5 Port Supp-M22 Del-M16		
934 702 300 0	7.0	7.0	7.0	7.0	20 Bar 5 Port Supp-M22 Del-M16	General Truck/Bus	ASA 5391
934 702 320 0	7.0	7.0	7.0	7.0	20 Bar 5 Port Supp-M22 Del-M16	General Truck/Bus	ASA 5735
934 702 380 0	7.0	7.0	7.0	7.0	20 Bar 5 Port Supp-M22 Del-M16	DAF	934 702 006 2
934 714 010 0	6.9	6.9	7.0	6.9	5 Port Port1-M22 Del-M16	MAN	
934 714 003 0	6.9	6.9	6.9	6.9	13 Bar 5 Port 3/8" NPTF/1/2"NPTF	Leyland, Ford, International	
434 700 003 0	5.2	5.2	N/A	N/A	10 bar 2 Port All ports M22	Mercedes Benz	434 700 003 2
934 705 005 0	9.0	9.0	7.5	7.5	13Bar 23/24 limited 8.5Bar ports M22 (6 way Valve)	Merc Actros Pressure Sensor only:	897 181 531 4 932 500 501 1
934 714 211 0	6.5	6.5	7.4	6.5	13 Bar 5 Port Port1-M22 Del-M16	Replaces 934 714 128 0	
934 714 137 0	6.2	6.2	6.2	6.2	13 Bar 5 Port 1/2"PTF Del 3/8" PTF		
934 714 400 0	6.9	6.9	6.9	6.9		MAN TGA	
934 714 128 0	6.5	6.5	7.4	6.5	13 Bar 5 Port Port1-M22 Del-M16	SCANIA	N/A

CHARGING VALVES (Single Circuit Protection Valves, Overflow Valves)



Part Number	Opening pressure	Port size	Repair kit	Description
434 100 023 0	5.5 Bar	M22 x 1.5	ASA5699	With return flow
434 100 024 0	6.0 Bar	M22 x 1.5	ASA5699	With return flow
434 100 034 0	6.8 Bar	M22 x 1.5	ASA5699	With return flow
434 100 122 0	4.5 Bar	M22 x 1.5	ASA5699	No return flow
434 100 123 0	5.0 Bar	M22 x 1.5	ASA5699	No return flow
434 100 124 0	5.5 Bar	M22 x 1.5	ASA5699	No return flow
434 100 220 0	4.5 Bar	M22 x 1.5		With Limited return flow
434 100 222 0	6.2 Bar	M22 x 1.5		With Limited return flow
434 100 224 0	1.7 Bar	M22 x 1.5		With Limited return flow
434 100 227 0	5.5 Bar	M22 x 1.5		With Limited return flow
434 100 228 0	6.4 Bar	M22 x 1.5		With Limited return flow
217380	4.5 Bar	1/4 NPT	262967	

PRESSURE LIMITING VALVES (Regulators)



475 009 026 0

475 010 010 0 / 017 0

475 010 300 0 / 301 0

475 015 001 0 / 004 0

475 020 006 0

Part Number	Limiting Pressure	Port size	Repair kit	Description / Application
475 009 008 0	0.7 Bar	M12 x 1.5	475 009 000 2	MAN
475 009 026 0	3.0 Bar	M12 x 1.5		Merc MAN Scania
475 010 010 0	4.0 Bar	M22 x 1.5	475 010 000 2	Merc Iveco
475 010 017 0	0.35 Bar	M22 x 1.5	475 010 000 2	Merc
475 010 300 0	8.5 Bar	M22 x 1.5 Voss		MAN
475 010 301 0	10.0 Bar	M22 x 1.5		MAN
475 010 310 0	4.0 Bar	M22 x 1.5	475 010 001 2	
475 010 400 0	8.0 Bar	M22 x 1.5 Voss	475 010 002 2	DAF
475 015 001 0	7.4 Bar	M16 x 1.5	475 015 001 2	Merc MAN
475 015 004 0	3.5 Bar	M16 x 1.5	475 015 001 2	Merc Iveco MAN
475 015 009 0	5.3 Bar	M16 x 1.5	475 015 001 2	Renault
475 020 006 0	4.4 Bar	M22 x 1.5		For Actros. With Silencer
475 010 333 0	7.3 Bar	M22 x 1.5 Voss		MAN
475 015 061 0	7.2 Bar	M16 x 1.5	421 355 931 2	Excl. to ZF
475 015 014 0	3 Bar	M16 x 1.5		EBS Mech Susp

STOP LIGHT SWITCHES



262625



441 014 002 0



441 014 001 0 / 021 0

Part Number	Actuation Pressure	Port size	Description / Application
262625	0.34 Bar (5 psi)	1/2 NPT	Normally open General Truck / Bus
441 014 001 0	2 Bar	M12 x 1.5	Normally open General Truck / Bus N/S
441 014 002 0	1 Bar	M10 x1 tapered	Normally open General Truck / Bus
441 014 021 0	0.5 Bar	M12 x 1.5	Normally open General Truck / Bus MAN
441 014 140 0	0.3 Bar	M12 x 1.5	Normally open General Truck / Bus N/S
441 014 190 0	0.15 Bar	M12 x 1.5	Normally open General Truck / Bus

LOW PRESSURE SWITCHES



441 014 010 0



9701000310

Part Number	Actuation Pressure	Port size	Description / Application
970 100 031 0	4.6 Bar (65 psi)	1/4" NPT	Normally closed General Truck / Bus. Supercedes: APSA 7282/19
441 014 004 0	5.5 bar	M12 x 1.5	Normally closed General Truck / Bus
441 014 010 0	0.3 Bar	M12 x 1.5	Normally closed General Truck / Bus
441 014 013 0	4.0 Bar	M12 x 1.5	Normally closed General Truck / Bus
441 014 014 0	4.5 Bar	M12 x 1.5	Normally closed General Truck / Bus
441 014 015 0	5.0 Bar	M12 x 1.5	Normally closed General Truck / Bus
441 014 025 0	6.0 Bar	M12 x 1.5	Normally closed General Truck / Bus

RESERVOIRS



4 x M22 Ports



451 999 276 2

Part Number	Length	Diameter	Description
AGA 179 195mm	195 mm	206mm 8"	5 Litre Reservoir
051 010 004 M	355 mm	206mm 8"	10 Litre Reservoir
051 015 005 M	507 mm	206mm 8"	15 Litre Reservoir
051 020 006 M	660 mm	206mm 8"	20 Litre Reservoir
051 020 011 M	411 mm	276mm 11"	20 Litre Reservoir
051 030 011 M	579 mm	276mm 11"	30 Litre Reservoir
451 040 311 M	740 mm	276mm 11"	40 Litre Reservoir
451 060 311 M	1095 mm	276mm 11"	60 Litre Reservoir
950 405 001 0	185mm	206mm 8"	4.5 Litre Reservoir
A6741	860mm	390mm	90 Litre Reservoir 30kg "Fatboy"
1675062 M		11"	Mounting Bracket. Pair for 11"
A6104		8"	Mounting Bracket. Single for 8"
451 999 276 2		11"	Mounting Bracket Strap type
A6742			Mounting Bracket Strap 90 litre



1675062 M

DRAIN VALVES



934 300 003 0 / 006 0



SF1280



934 301 000 0



432 511 000 0

Condensor
Drain

Part Number	Port Thread	Description
934 300 003 0	M22 x 1.5	Manual With Pull Ring
934 300 006 0	1/2" NPT	Manual
SF1280	1/4" NPT	Manual With Pull Ring
934 301 000 0	M22 x 1.5	Automatic Repair kit: 934 301 000 2 Filter: 899 380 622 4 Diaphragm: 897 121 400 2
934 301 003 0	M22 x 1.5	Automatic Repair kit: 934 301 000 2 Filter: 899 380 622 4
432 511 000 0	M22 x 1.5	Automatic. Max 10 Bar. Merc. Repair kit: 432 511 000 2 Filter: 432 511 220 4
434 300 000 0	M12 x 1.5	Automatic. Repair kit: 434 300 000 2 Condensor Drain

FOOT VALVES



229800



461 307 3990



461 315 008 0 / 004 0 / 042 0



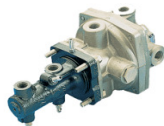
461 319 008 0



461 315 180 0



461 319 270 0



470 012 000 0



APSA 4474 / EU





AGA337

Part Number	Port Thread	Repair Kit	Description / Application
229800	M22 x 1.5	GA 29141	E2 Single Circuit Foot Valve with Pedal. Bell Equipment
461 307 3990	M22 x 1.5	461 307 002 2	Dual Circuit. Predominance 0.25Bar No Pedal Elbow Exhaust. Merc
461 315 008 0	M16 x 1.5	461 315 005 2 Week 20/2001 461 315 915 2 Week 21/2001	Dual Circuit. Predominance: 0.3Bar No Pedal Elbow Exhaust. Merc, Iveco, Scania
461 315 004 0	4x M16 x 1.5 2x M12 x 1.5	461 315 005 2 Week 20/2001 461 315 915 2 Week 21/2001	Dual Circuit. Predominance: 0.3Bar No Pedal Elbow Exhaust. Merc, Iveco, Scania
461 315 042 0	8x M16 x 1.5 2x M12 x 1.5	461 315 900 2 Week 20/2001 461 315 917 2 Week 21/2001	Dual Circuit. NO Predominance No Pedal Elbow Exhaust. Merc, Iveco, Scania
461 315 088 0 N/S	4x M16 x 1.5	461 315 905 2 Week 20/2001 461 315 922 2 Week 21/2001	Predominance: 0.5 Bar. Exhaust M22 x 1.5
461 315 089 0	4x M16 x 1.5	461 315 905 2 Week 20/2001 461 315 922 2 Week 21/2001	Exhaust M22 x 1.5
461 315 180 0		461 315 907 2 Week 20/2001 461 315 924 2 Week 21/2001	Dual Circuit. NO Predominance No Pedal Push In fittings, with silencer, Scania
461 315 258 0 N/S	4x M22 x 1.5	461 315 902 2 Week 20/2001 461 315 920 2 Week 21/2001	Dual Circuit. Predominance: 0.2Bar No Pedal Elbow Exhaust. Voss Ports. Merc
461 315 263 0 N/S	4x M22 x 1.6	461 315 914 2 Week 20/2001 461 315 927 2 Week 21/2001	No Pedal Application: Axor. Short Silencer 39.9mm Dia 4 x M8 stud Mounting
461 315 264 0	2x M16 /2x M22 2x M12 x 1.5	461 315 914 2 Week 20/2001 461 315 927 2 Week 21/2001	No Pedal Application: Axor. Short Silencer 39.9mm Dia 4 x M8 stud Mounting
461 315 491 0 N/S	4x M16 x 1.5	461 315 005 2 Week 20/2001 461 315 915 2 Week 21/2001	Predominance: 0.5Bar No Pedal
461 315 497 0	4x M16 x 1.5 2x M12 x 1.5	461 315 005 2 Week 20/2001 461 315 915 2 Week 21/2001	Dual Circuit. No Pedal DAF, Volvo
461 316 002 0	8x M16 x 1.5 2x M12 x 1.5	461 315 005 2 Week 20/2001 461 315 915 2 Week 21/2001	Basic valve 461 315 086 0 Exhaust M22 x 1.5
461 317 021 0	8x M16 x 1.5		Dual foot valve with Pedal. No Gauge ports
461 318 003 0	8x M16 x 1.5 2x M12 x 1.5	461 315 005 2 Week 20/2001 461 315 915 2 Week 21/2001	Basic valve 461 315 086 0 Exhaust M22 x 1.5. With Micro Switch MAN : Iveco
461 318 604 0 N/S	M16 x 1.5	461 315 005 2 Week 20/2001 461 315 915 2 Week 21/2001	Dual Circuit Volvo
461 319 008 0	8x M16 x 1.5 1x M12 x 1.5	461 319 007 2 Week 20/2001 461 319 908 2 Week 21/2001	Dual Circuit. Predominance: 0.3Bar No Pedal Elbow Exhaust. Integrated Empty Load function 1,5:1. Merc, DAF
461 319 088 0	4x M16 x 1.5	461 319 005 2 Week 20/2001	Predominance: 0.3 Bar. Exhaust M22 x 1.5 MAN
461 319 089 0	4x M16 x 1.5	461 319 005 2 Week 20/2001	Predominance: 0.3 Bar. Exhaust M22 x 1.5 MAN
461 319 090 0	4x M16 x 1.5	461 319 005 2 Week 20/2001 461 319 906 2 Week 21/2001	MAN Elbow Exhaust
461 319 250 0	4x M22 x 1.5	461 319 004 2 Week 20/2001 461 319 905 2 Week 21/2001	Dual Circuit. Predominance : 0.4Bar Merc. Powerliner Elbow Exhaust
461 319 270 0	4x M22 x 1.5 1x M16 x 1.5	461 319 002 2 Week 20/2001 461 319 903 2 Week 21/2001	Dual Circuit. Predominance: 0.3Bar No Pedal Elbow Exhaust. Integrated Empty Load function 2 :1. Merc
461 319 271 0	4x M22 x 1.5	461 319 006 2 Week 20/2001 461 319 907 2 Week 21/2001	Dual Circuit. Predominance: 0.4Bar No Pedal Exhaust : Pipe Merc.
461 317 792 2			Treadle Assembly

FOOT VALVES Continued

Part Number	Port Thread	Repair Kit	Description / Application
461 319 273 0/272 0	2x M22 x 1.5 3x M16 x 1.5	461 319 901 2 Week 20/2001 461 319 912 2 Week 21/2001	Long curved silencer. 69mm dia Voss 4 x M8 stud Mounting Application: Axor / Atego
461 319 274 0	2x M22 x 1.5 3x M16 x 1.5	461 319 901 2 Week 20/2001 461 319 912 2 Week 21/2001	No Pedal Small Silencer 39.9mm Dia 4 x M8 stud Mounting Application: Axor.
461 319 280 0	4x M22 x 1.5 1x M16 x 1.5	461 319 004 2 Week 20/2001 461 319 905 2 Week 21/2001	Dual Circuit. Predominance: 0.4Bar No Pedal 4x M8 stud mounting Elbow Exhaust. Integrated Empty Load function 3.3 :1. Atego Merc
461 324 001 0 N/S	4x M16 x 1.5 4x M12 x 1.5	461 315 005 2 Week 20/2001 461 315 915 2 Week 21/2001	Dual Circuit. Basic Valve : 461 315 497 0. Predominance: 0.3Bar With Retarder
461 324 008 0	4x M16 x 1.5 4x M12 x 1.5	461 324 000 2	Dual Circuit. Basic Valve : 461 315 495 0. Predominance: 0.3Bar
461 491 102 0	M22 x 1.5	461 307 002 2 Boot 897 752 670 4	Predominance: 0.25Bar
461 499 005 0	4x M22 x 1.5 2x M12 x 1.5	461 499 000 2	Predominance: 0.25Bar. Dual Circuit. Actros
470 012 000 0	4x M16 x 1.5 2x M14 x 1	461 307 002 2 Kit 470 012 520 2 Slave Cylinder	Dual (Hydraulic / Pneumatic) Brake Valve with slave cylinder. Merc
961 892 077 7	3/8" NPT 1/4" NPT	GA 28627	DB2 Basic Foot Brake Valve 8 Ports for APGA 6340. Leyland
AGA 337	3/8" NPT	No Longer Available	E6 Dual Circuit Valve. No Pedal. International / Freightliner / Nissan / Peterbuilt / Mack
M600120 N/S	M16 x 1.5		Single Circuit Foot Valve with Pedal
467 406 102 0	3x M14 x 1.5	467 406 004 2	Hydraulic Brake Foot Valve Spool Diametre: 14mm Medium: Mineral Oil
467 406 202 0	6x M16 x 1.5 2x M12 x 1.5		Hydraulic Brake Foot Valve Spool Diametre: 20mm Medium: Mineral Oil
467 406 208 0	6x M16 x 1.5 2x M10 x 1		Hydraulic Brake Foot Valve Spool Diametre: 14mm Medium: Mineral Oil
961 106 000 0	2x M14 x 1.5	961 106 000 2	Air foot valve. Trailer control for tractors.
461 317 792 2			Treadle Assembly Only

ROTARY HAND BRAKE VALVES

<p>961 701 110 0 Anti-clockwise. M14 x 1.5 Thread. 3 Port.</p>  <p>Application : DAF, Merc, Iveco</p> <p>Guide Pin 961 702 154 4 Roller 899 755 021 4 Repair Kit 961 701 001 2 Service Kit ASA 5221</p>	<p>961 702 014 0 Anti-clockwise M14 x 1.5 Thread. 4 Port. With Test Position</p>  <p>Application : Merc, MAN</p> <p>Guide Pin 961 702 154 4 Roller 899 755 021 4 Repair Kit 961 701 001 2 Service Kit (961 701....) ASA 5222</p>
<p>961 703 001 0 M14 x 1.5 Thread. With Control Port To Trailer 4 Port</p> <p>Repair Kit 961 703 000 2 Service Kit ASA 5324</p>	

HAND CONTROL VALVES



961 721 000 0



961 721 004 0



961 721 045 0



961 722 230 0



961 722 232 0



961 722 252 0



961 723 017 0



961 723 019 0



961 723 100 0



961 723 104 0

Part Number	Port Thread	Repair Kit	Description / Application
961 721 000 0	M14 x 1.5	961 721 004 / 8 2	Input Pressure: 8.5 Bar. Output Pressure: 7.5 2 port Side Bar. Stroke 90o. M14 x 1.5 Thread. Mercedes Benz
961 721 004 0	M14 x 1.5	961 721 004 2	Input Pressure: 15 Bar. Output Pressure: 7.5 2 Port Side Centre Bracket Lock Position. DAF, Iveco, Scania, Volvo
961 721 008 0	1/4" NPT	961 721 004/8 2	Input Pressure: 8.5 Bar. Output Pressure: 7.5 Bar. 2 Port. Centre Bracket. General Truck / Bus
961 721 040 0	M14 x 1.5	961 721 004/8 2	Input Pressure: 8.5 Bar. Output Pressure: 7.5 Bar. Spring Return. 2 Port. Merc
961 721 045 0		961 721 004/8 2	Stroke 73° Voss. 2 Port Slide VOSS. (Left Hand Side Bracket). Without Test Position. Merc
961 722 157 0	M14 x 1.5	961 722 002 2	Input Pressure: Bar. Output Pressure: 5.9Bar. 2 Port. Centre Bracket. Application : Iveco
961 722 212 0	Slide x 3	Repair Kit 961 722 003 2 Service Kit ASA 6939	With Control Port To Trailer. VOSS Block. Application : Merc. No Longer Available
961 722 230 0	Slide x 2	961 722 002 2	Stroke 73° Voss. 2 Port Slide VOSS. (Left Hand Side Bracket). Without Test Position. Merc
961 722 232 0	Slide x 3	Repair Kit 961 722 003 2 Service Kit ASA 6939	Stroke 73° Voss. 3 Port Slide VOSS. (Left Hand Side Bracket). With Test Position. Merc
961 722 241 0	M14 x 1.5	Repair Kit 961 722 003 2 Service Kit ASA 6939	With Control Port To Trailer. With Electrical Switch. Application : Iveco No Longer Available
961 722 251 0	M14 x 1.5	Repair Kit 961 722 004 2 961 722 924 2 Service Kit ASA 6995	With Control Port To Trailer No Longer Available
961 722 252 0	M14 x 1.5	Repair Kit 961 722 003 2 961 722 924 2 Service Kit ASA 6939	Stroke 73°. Position 85°. 3 Port. (Left Hand Side Bracket). With Test Position. Merc, DAF Use 961 722 272 0 & Turn bracket
961 722 258 0	M14 x 1.5	Repair Kit 961 722 003 2 961 722 924 2 Service Kit ASA 6939	Stroke 73° . 3 Port. (Centre Bracket). With Test Position. Side Ports Application: Merc
961 722 264 0	M14 x 1.5	Repair Kit 961 722 004 2 961 722 924 2 Service Kit ASA 6995	Stroke 73°. 4 Port. Without Test Position. Side Bracket Application: Merc
961 722 272 0	M14 x 1.5	Repair Kit 961 722 003 2 Service Kit ASA 6939	Stroke 73°. 3 Port. (Right Hand Side Bracket). With Test Position. Application: International Use 961 722 252 0 & Turn Bracket
961 722 280 0	M14 x 1.5	Repair Kit 961 722 003 2 Service Kit ASA 6939	With Control Port To Trailer. Application : Iveco
961 722 284 0	M14 x 1.5	Repair Kit 961 722 003 2 Service Kit ASA 6939	Stroke 73°. 4 Port (Side) Centre Bracket. Without Test Position. Merc
961 722 288 0	M14 x 1.5	Repair Kit 961 722 003 2 Service Kit ASA 6939	Stroke 73° Thread. 3 Port (Side) Right Hand Side Bracket. With Test Position. Merc
961 722 291 0	M14 x 1.5	Repair Kit 961 722 003 2 Service Kit ASA 6939	With Control Port To Trailer. Application : Iveco
961 722 294 0	M14 x 1.5		With Control Port To Trailer
961 723 017 0	M16 x 1.5	961 723 004 2	Stroke 85° 2 Port (Side) Centre Bracket. Without Test Position. DAF
961 723 019 0	M16 x 1.5	961 723 000 2	Stroke 73o VOSS Ports. 2 Port (Side) Lock Position. Centre Bracket. Without Test Position Application: MAN
961 723 100 0	M16 x 1.5	961 723 000 2	Stroke 73° VOSS 3 Port (Bottom). Centre Bracket. With Test Position. Application: MAN

HAND CONTROL VALVES Continued



961 723 118 0

961 723 122 0

961 723 124 0

961 723 125 0

961 723 203 0

961 723 405 0

Part Number	Port Thread	Repair Kit	Description / Application
961 723 104 0	M14 x 1.5	961 723 000 2	Stroke 73° with Parking Position 85° VOSS Push-in Fitting. 3 Port (Side). Centre Bracket. With Test Position. 5.5Bar . Merc
961 723 117 0	M16 x 1.5	961 723 000 2	With Control Port To Trailer. With Electrical Switch. NO Lock Centre Bracket. Application : Iveco
961 723 118 0	M14 x 1.5		Stroke 73° VOSS Push-in Fitting. 3 Port (Side). Lock Position. Centre Bracket. With Test Position. Application: MAN
961 723 122 0 N/S	M16 x 1.5		Stroke 73° VOSS Ports. 3 Port (Side). With Test Position. Application: Scania, MAN
961 723 124 0	M16 x 1.5		Stroke 73° VOSS Ports. 3 Port (Side) Centre Bracket. With Test Position. Application: Merc
961 723 125 0	M16 x 1.5		Stroke 73° VOSS 3 Port (Side). Lock Position with Test Position. Application: Merc Actros
961 723 203 0	M16 x 1.5	961 723 000 2	3 Ports (Bottom). 5.9 Bar Output. Centre Bracket. With Test Position. Application: ERF
961 723 213 0	M16 x 1.5		3 Ports (Bottom). With Test Position. Application: ERF
961 723 405 0	M16 x 1.5	961 723 001 2 961 723 934 2	Stroke 73°. 2 Port (Bottom). Stretch Brake Centre Bracket. Without Test Position. Application: DAF, MAN
961 723 201 0	M16 x 1.5	961 723 000 2	3 Ports (Bottom). 5.5Bar Centre Bracket.
961 723 421 0	M16 x 1.5 Voss		Stroke 73°. 2 Port (Side). Without Test Position. Application: ACTROS MPII
262395M			TC2 hand Control dashmounted - import on request only

LOADSENSING VALVES (Mechanical)



475 710

475 722 / 720

475 800 301 0

Part Number	Port 1	Port 2	Port 4	Control Angle	Description
475 701 020 0	M22 x 1.5	M22 x 1.5			Loadensing Valve Repair kit: 475 701 000 2
475 702 022 0	M22 x 1.5	M22 x 1.5			Loadensing Valve Repair kit: 475 702 001 2
475 710 000 0	M16 x 1.5	M16 x 1.5	M16 x 1.5	60°	Relay Loadensing Repair kit 475 710 001 2
475 710 008 0	M22 x 1.5	M16 x 1.5	M16 x 1.5	60°	Relay Loadensing Repair kit: 475 710 001 2 Service kit: ASA5381 Roller: 475 710 130 4 Plunger: 475 710 770 4 VOSS, Merc
475 710 012 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	60°	Relay Loadensing Repair kit: 475 710 001 2 Voss MAN L2000, M2000
475 710 014 0 N/S	M16 x 1.5	M16 x 1.5	M16 x 1.5	60°	Relay Loadensing Repair kit: 475 710 001 2
475 710 016 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	60°	Relay Loadensing Repair kit: 475 710 001 2 Service kit: ASA5381 MAN F2000
475 710 020 0	M16 x 1.5	M16 x 1.5	M16 x 1.5	30°	Relay Loadensing Repair kit: 475 710 001 2 Service kit: ASA5381 Roller: 475 710 130 4 Plunger: 475 710 770 4 Merc
475 710 024 0	M22 x 1.5	M16 x 1.5	M16 x 1.5	34.5°	Relay Loadensing Repair kit: 475 710 001 2 IVECO
475 710 036 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	30°	Relay Loadensing Repair kit: 475 710 001 2 Service kit: ASA5381 Roller: 475 710 130 4 Plunger: 475 710 770 4 General Truck / Trailer / Bus
475 710 128 0	M22 x 1.5	M16 x 1.5	M16 x 1.5	30°	Relay Loadensing Repair kit 475 710 002 2 Volvo FH12 & FH16
475 710 136 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	16°	Relay Loadensing Repair kit: 475 710 001 2 Service kit: ASA5381 VOSS Merc
475 722 000 0	N/A	M22 x 1.5	M16 x 1.5	52°	"Mini LSV" Operating Pressure 10 Bar DAF, Scania
475 713 501 0	M22 x 1.5	M16 x 1.5	M22 x 1.5	33°	No Relay. Static Valve with Arm and Mounting Cable and spring Repair kit: 475 713 000 2
475 713 002 0	M22 x 1.5	M16 x 1.5	M16 x 1.5		Trailer EBS Mech Susp. Use with 475 015 014 0 limiter
475 713 002 0	M22 x 1.5	M16 x 1.5	M16 x 1.5		Trailer EBS Mech Susp. Use with 475 015 014 0 limiter

LOADSENSING VALVES (Mechanical) Continued.....

Part Number	Port 1	Port 2	Port 4	Control Angle	Description
475 604 011 0	M22 x 1.5	M22 x 1.5			Manual Load Apportioning Valve
475 800 301 0	M22 x 1.5	M22 x 1.5			Truck Tag Axle Load Regulator Repair Kit 475 800 004 2
475 720 001 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	30°	New Gen Relay Loadensing
475 720 003 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	30°	New Gen Relay Loadensing DAF LF 45 & LF 55
475 720 005 0	M22 x 1.5	M22 x 1.5	NG8 Voss	16"	New Gen Relay Loadensing

LOADSENSING VALVES (Air Suspension)



475 711



475 714 510 0



475 721 000 0

Part Number	Port 1	Port 2	Port 4	Control 41/42	Description
475 711 024 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	M12	Relay Loadensing Repair kit: 475 711 000 2 Merc, Trailers with 30Ø bags Control Pressure: 0.6 to 4.3 Bar
475 711 096 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	M16	Relay Loadensing Repair kit: 475 711 000 2 VOSS, MAN F2000 / M2000, DAF Control Pressure: 0.45 to 6.1 Bar
475 711 115 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	M16	Relay Loadensing Repair kit: 475 711 000 2 Merc, Control Pressure: 0.45 to 6.1 Bar
475 711 118 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	M16	Relay Loadensing Repair kit: 475 711 000 2 Merc, Actros Control Pressure: 0.5 to 3.0 Bar
475 714 510 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	M16	No Relay Function Trailers with 36Ø or 30Ø bags Control Pressure: 0.4 to 3.6 Bar
475 721 000 0	M22 x 1.5	M22 x 1.5	M16 x 1.5	M16	Max operating Pressure 13Bar Mini LSV Voss ports Application: Renault, Axor
475 721 009 0	M22 x 1.5	NG8 Voss	NG8 Voss	M16	Max operating Pressure 13Bar Mini LSV Voss ports Application: Merc Axor

SPRING BOXES



433 302



433 306

Part Number	Length	Deflection	Force	Description / Application
433 302 002 0	260mm	100mm	20-35N	With Rubber Connector
433 302 014 0	220mm	85mm	26-47N	No Rubber Connector
433 302 008 0	160mm	55mm	40-110N	With Knuckle Connector (Ball Pivot)
433 302 026 0	220mm	85mm	49-110N	With Connector
433 302 025 0	160mm	55mm	40-110N	No Rubber Connector
433 306 003 0	260mm	100mm	60-130N	Without Knuckle Connector (Ball Pivot)

QUICK RELEASE VALVE



973 500 000 0 / 973 500 014 0



973 500 031 0

Part Number	Port 1	Port 2	Description
473 501 201 0	M22 x 1.5	M22 x 1.5 x 2	With Silencer
473 501 203 0	M22 x 1.5	M22 x 1.5 x 2	With Silencer
973 500 000 0	M22 x 1.5	M22 x 1.5 x 2	Std Trailer Diaphragm: 897 130 794 4
973 500 014 0	1/2"	3/8" x 2	Std Trailer No Kit Diaphragm: 897 130 794 4
973 500 031 0	M22 x 1.5	M22 x 1.5 x 2	Additional Port 23 - M16 x 1.5 Diaphragm: 897 130 794 4
973 500 051 0	M22 x 1.5 x 2	M16 x 1.5 x 4	With Anti compound, double check valve For EBS trailers Diaph: 897 130 794 4
A6011			Local Diaphragm

TRAILER CONTROL VALVE



973 002 000 0 / 430 0



973 002 521 0



973 009 001 0



480 204 001 / 2 0

Part Number	Port Threads	Repair Kit	Description
973 002 000 0	M22 x 1.5	ASA5741 973 002 003 2	Predominance 0.6 Bar. (Adjustable). No Dump. Application: Merc, Iveco, MAN
973 002 430 0	M16 x 1.5	ASA5741	NO Predominance. No Dump. Application: DAF
973 002 521 0	M16 x 1.5	ASA5741	With Dump feature. Predominance 0.2 Bar (Adjustable). Application; General Truck
973 009 001 0	M22 x 1.5	973 009 000 2	With Dump feature. Predominance 0.3. Bar (Adjustable). For VOSS Push- in Fitting. Application: Mercedes Benz, MAN - Powerliner
973 009 006 0	M22 x 1.5	973 009 000 2	With Dump feature. Predominance 0.0 Bar (Adjustable) P 41/42 10.5 Bar. P 11/43 8.5 Bar. For VOSS Push-in Fitting. Application: MAN F2000
973 009 015 0	M16 x 1.5	973 009 000 2	With Dump. Predominance 0.1 Bar. Application: Volvo
480 204 001 0	Ports 11,21,22 : M22 x 1.5 Ports 42,43 : M16 x 1.5		EBS Trailer Control Valve. Superceded by 480 204 002 0 Application: DAF, Mercedes Benz, Iveco
480 204 002 0	Ports 11,21,22 : M22 x 1.5 Ports 42,43 : M16 x 1.5		EBS Trailer Control Valve. Voss Ports. Port 6 (Electrical control). Application: DAF, Mercedes Benz - Actros, Iveco
471 401 010 0	M22 x 1.5	471 401 009 2	Referred to as a "10 S4" valve. Older vehicles

RELAY EMERGENCY VALVE



281672



471 005 020 0



971 002 150 0



971 002 300 0

Part Number	Port Threads	Repair Kit	Description
281672	Port 1: 1/4, Port 2: 3/8,	266784	Re6 Valve.
471 005 020 0	M22 x 1.5	471 005 009 2	NO Predomina
971 002 150 0	M22 x 1.5	971 002 300 0	With Predomina
971 002 300 0	Port 4: M16 x 1.5 Port 1, 1-2, 2: M22 x 1.5	971 002 008 2	With Dump feature.

RATIO VALVES / EMPTY LOAD VALVES / ADAPTER VALVES



473 300/ 301 0.....



975 001 000 0



975 002 001 0

Part Number	Port Threads	Repair Kit	Description
473 300 001 0	M22 x 1.5	473 300 009 2	Empty Load Valve. Reduces front axle braking with empty load Regulating ratio:1:3.3 Application: General Truck
473 300 004 0	M16 x 1.5 M22 x 1.5	473 300 003 2	Empty Load Valve. Reduces front axle braking with empty load. Regulating ratio:1.5 : 1 Application: Renault
473 301 000 0	M22 x 1.5	473 301 001 2	Reducing Valve. Regulating ratio:2 :1 Application: General Truck
473 301 001 0	M22 x 1.5	473 301 009 2	Reducing Valve. Regulating ratio:1.5 : 1 Application: General Truck
473 301 002 0	M22 x 1.5	473 301 009 2	Reducing Valve. Regulating ratio:1.35 :1Application: General Truck
473 301 003 0	M22 x 1.5	473 301 009 2	Reducing Valve. Regulating ratio: 1.15 :1 Application: General Truck
473 301 005 0		473 301 004 2	Empty Load Valve. Reduces front axle braking with empty load
975 001 000 0	M22 x 1.5	975 001 000 2	Adapter valve. Adjusting Valve 0.6 to 0.8 Bar. Application: Trailer drawbars, DAF, Mercedes Benz, Iveco, MAN
975 002 001 0	M22 x 1.5	975 002 000 2 NLA	Adapter Valve. Knick feature Application: DAF, Mercedes Benz, MAN
975 002 017 0	M16 x 1.5	975 002 001 2	Adapter Valve. Application: Mercedes Benz.

SHUT OFF COCK



452 002 132 0

Part Number	Port Thread	Description
452 002 132 0.	M22 x 1.5	Park Brake. Engineering Grade Plastic Handle Supercedes: 452 002 107 0
477 397 011 0		3 Ports single Circuit Hydraulic
477 397 014 0		7 Ports Dual Circuit Hydraulic

TRAILER PARK RELEASE VALVE / PARK SHUNT VALVE



963 001 051 0



971 002 900 0

Part Number	Port Thread	Description
963 001 051 0	M16 x 1.5	Std park shunt valve
971 002 900 0	M16 x 1.5	PREV Valve Park shunt valve with relay emergency function. Application: EBS trailers

RELAY VALVE



280375



973 001 010 0 / 020 0 / 220 0



973 006 001 0 / 003 0



973 011 001 0 / 0



973 011 200 0

Part Number	Port Threads	Repair Kit	Description
280375	Port 1: 1/2, Port 2: 3/8, Port 4: 1/4	263945	R6 relay. Found on older trucks and trailers Application: General Truck / Trailer / Bus
473 017 000 0	Ports: M22 x 1.5		Anti Compound Square Relay Valve . Available on request Use 973 011 200 0 Only Main overload protection
473 017 001 0	Ports: M22 x 1.5		Anti Compound Square Relay Valve .
473 017 004 0 NLA	Ports: M22 x 1.5	473 017 000 2	Anti Compound Square Relay Valve.
973 001 010 0	Ports: M22 x 1.5	973 001 000 2 ASA5198	Std Square Relay Application: General Truck / Trailer / Bus
973 001 020 0	Port 1: M22 x 1.5 Port 2, 4: M16 x 1.5	973 001 000 2 ASA5198	Std Square Relay Application: General Truck / Trailer / Bus
973 001 210 0 N/S	Port 1, 2: M22 x 1.5 Port 4: M16 x 1.5	973 001 002 2	Relay Valve Application: Volvo
973 001 211 0	Port 1, 2: M22 x 1.5 Port 4: M16 x 1.5	973 001 006 2	Relay Valve Application: Volvo
973 001 220 0	Port 1: M22 x 1.5 Port 2, 4: M16 x 1.5	973 001 002 2	Std Square Relay Application: General Truck / Trailer / Bus
973 003 007 0	Ports: M22 x 1.5	973 003 000 2	Relay Valve Application: MAN
973 006 001 0	Port 1, 2: M22 x 1.5 Port 4: M16 x 1.5		Park Brake Square Relay NO Silencer Max 10 Bar Application: Mercedes Benz, MAN
973 006 003 0	Port 1, 2: M22 x 1.5 Port 4: M16 x 1.5		Park Brake Square Relay With Silencer , Voss Threads Application: Mercedes Benz, MAN
973 011 001 0	Port 1, 2: M22 x 1.5 Port 4: M16 x 1.5	ASA7168 ASA7014	Park Brake Square Relay , Voss Threads Application: Scania, Mercedes Benz, MAN
973 011 022 0	Port 1: 1/2, Port 2: 3/8, Port 4: 1/4	ASA7168 ASA7014	With Flange For ABS Solenoid Application: Freightliner
973 011 050 0	Port 1: M22 x 1.5 Port 2, 4: M16 x 1.5	973 011 002 2 ASA7168	Square Relay Application: Scania
973 011 200 0	Port 1, 2: M22 x 1.5 Port 41, 42: M16 x 1.5	973 011 000 2 ASA7168	Anti Compound Square Relay , Voss Threads, Control 10Bar Application: Scania, MAN
973 011 206 0	Port 1, 2: M22 x 1.5 Port 4: M16 x 1.5	973 011 006 2	Voss Threads.
973 011 300 0	Port 1, 2: M22 x 1.5 Port 4: M16 x 1.5	973 011 000 2 ASA7168	Park Brake Square Relay , Voss Threads, Control 10Bar Application: Mercedes Actros
973 011 022 0	Port: 1/2" NPT Port 2: 3/8" Port 4: 1/4" NPT	ASA7168	With Flange For ABS Solenoid Valves. Application: Freightliner
973 011 300 0	Port 1, 2: M22 x 1.5 Port 4: M22 x 1.5	973 011 005 2	Anti Compound Relay valve Available on request only
973 011 000 0	Port 1, 2: M22 x 1.5 Port 4: M16 x 1.6	973 011 000 2 ASA7168	Relay valve park brake Application: Volvo, Scania, Renault, Iveco, Daf

LEVELLING VALVE



464 002



464 006



464 007 001 0 / 010 0

Part Number	Port Threads	Repair Kit	Description
464 002 330 0	M12 x 1.5 (3 port)	464 002 008 2	Two-stage. Nominal Diameter 2 x ø 1.3. With Arm. Application: Merc, MAN, Volvo, Trailer Steel Slide
464 002 332 0	M12 x 1.5 (3 port)	464 002 008 2	Two-stage. Nominal Diameter 2 x ø 1.3. Without Arm. Application: Merc, MAN, Volvo Steel Slide
464 002 440 0	M12 x 1.5 (3 port)	464 002 008 2	Two-stage. Nominal Diameter 2 x ø With Arm. Application: Merc, DAF Steel Slide
464 006 002 0	M12 x 1.5 (3 port)	464 006 000 2	Two-stage. Transversal Throttle. With Linkage. Application: DAF, MAN, Volvo, Trailer Plastic Slide
464 006 100 0	M12 x 1.5 (5 port)	464 006 001 2	Two-stage. Transversal Throttle. With Height Limitation. With Linkage. Application DAF, Trailer Plastic Slide
464 007 001 0	M6 Push in (2 port)		For suspension of driver cabin. Push-in fittings for plastic tube. Application DAF, Iveco, Scania, MAN
464 007 010 0	M10 x 1 (2 port)		For suspension of Drivers Cabin. Application: Scania
464 007 013 0	M6 Push in (2 port)		For suspension of driver cabin. Push-in fittings for plastic tube. Application DAF

RAISE / LOWER VALVE (Manual)



463 032 020 0

Part Number	Port Threads	Repair Kit	Description
463 032 020 0	Port 1: M16 x 1.5	463 032 001 2	Two-stage. Nominal Diameter 2 x ø 1.3. With Arm.

CLUTCH SERVOS



970 051 111 0 / 114 0 / 126 0 / 127 0



970 051 131 0



970 051 159 0



970 051 164 0 / 176 0



970 051 191 0 / 192 0 / 193 0 / 194 0



970 051 205 0



970 051 406 0



970 051 414 0 / 424 0

Part Number	Port Thread	Repair Kit	Description / Application
462 012 101 0	M14 x 1.5 x 1	Repair kit: 462 012 002 2	Piston 90mm Dia. Housing 104mm Dia
970 051 111 0	M16 x 1.5 x 2 M14 x 1.5 x 1	Repair kit: 970 051 905 2 Dust Boot: 897 754 430 4	Diameter 80.5mm. Stroke 85mm. Application MAN
970 051 114 0	M16 x 1.5 x 2 M14 x 1.5 x 1	Repair Kit : 970 051 904 2 Dust Boot: 897 754 182 4	Diameter 75mm. Stroke 67mm. Application: DAF, Hino, Iveco, Nissan, Renault-V
970 051 126 0	M16 x 1.5 x 2 M14 x 1.5 x 1	Repair Kit : 970 051 904 2 Dust Boot: 897 754 182 4	Diameter 75mm. Stroke 67mm. Force Output 4000 N. Application: DAF, Hino, Iveco, Nissan, Renault-VI
970 051 127 0	M16 x 1.5 x 2 M14 x 1.5 x 1	Repair Kit: 970 051 906 2 Dust Boot: 897 754 182 4	Diameter 100mm. Stroke 58.5mm. Force Output 6000 N. Application: Scania Can use in place of 970 051 128 0 Only Change pushrod
970 051 131 0	M16 x 1.5 x 1 M14 x 1.5 x 1	Repair Kit: 970 051 903 2 Dust Boot: 897 754 320 4 Rear Housing: 970 051 527 2	Diameter 90mm. Stroke 72mm. 970 051 371 4 - guide Application: Merc
970 051 151 0	M16 x 1.5 x 2 M14 x 1.5 x 1	Repair Kit : 970 051 917 2	Stroke 65mm. Force Output 4000 N. Dia. 90mm Application: Merc
970 051 157 0	M16 x 1.5 x 2 M14 x 1.5 x 1	Repair Kit : 970 051 911 2 Repair Kit : 970 051 006 2	Stroke 85mm. Force Output 6000 N. Dia. 108mm
970 051 159 0	M16 x 1.5 x 1 M14 x 1.5 x 1	Repair Kit: 970 051 916 2	Diameter 108mm. Stroke 75mm. Application: Merc
970 051 164 0	M16 x 1.5 x 2 M14 x 1.5 x 1	Repair Kit : 970 051 945 2 Dust Boot : 897 754 182 4	Diameter 108mm. Stroke 85mm. Application: Merc
970 051 176 0	M16 x 1.5 x 2 M14 x 1.5 x 1	970 051 950 2	Diameter 108mm. Stroke 85mm. Use 970 051 164 0 Change Pushrod On Request
970 051 205 0	M16 x 1.5 x 1 M14 x 1.5 x 1 M12 x 1.5 x 2	970 051 907 2 / 937 2	Diameter 75mm. Stroke 85mm. Force Output Maximum 4000 N. Application: Iveco
970 051 209 0	M16 x 1.5 x 1 M14 x 1.5 x 1 M12 x 1.5 x 2	Repair Kit : 970 051 909 2 Repair Kit : 970 051 942 2	Stroke 26mm. Force Output Maximum 6000 N. Application: Renault Dia.100mm
970 051 405 0	M16 x 1.5	Repair Kit : 970 051 949 2	Application: Actros Stroke: 85mm On Request
970 051 406 0	M22 x 1.5 x 1 M14 x 1.5 x 1	Repair Kit: 970 051 952 2 Dust Boot: 897 754 430 4	Diameter 75mm. Stroke 85mm. Force Output Maximum 4000 N. Application: MAN
970 051 412 0		Repair Kit : 970 051 971 2 Sensor Kit: 970 051 986 2	Diam 108mm Stroke 85mm. Force Output Maximum 6000 N. Mineral Oil Application: MAN / TGA/ TGL/ TGM
970 051 414 0	M22 x 1.5 x 1 M14 x 1.5 x 1	Repair Kit: 970 051 961 2 Dust Boot: 897 754 882 4	Diameter 108mm. Stroke 85mm. Force Output Maximum 6000N Application: MAN F2000 With wear indicator
970 051 424 0 Note	M16 x 1.5 x 1 M14 x 1.5 x 1	Repair Kit: 970 051 961 2 Dust Boot: 897 754 882 4	Diameter 108mm. Stroke 85mm. Supply the 970 051 414 0 above WITH an M22-M16 reducer
970 051 431 0	M16 x 1.5	Repair Kit: 970 051 974 2 Dust Boot: 897 754 882 4	Diameter 108mm. Stroke 85mm. Force Output Maximum 6000N Application: Merc Actros with sensor
970 051 435 0	M16 x 1.5 x 1 M14 x 1.5 x 1	Repair Kit: 970 051 970 2	Diameter 75mm. Stroke 85mm. Force Output Maximum 4000N With wear indicator
970 051 439 0	M16 x 1.5 x 1	Repair Kit: 970 051 984 2	Diameter 108mm Stroke 75mm. Force Output Max 6000N Application: MAN
970 051 441 0		Repair Kit: 970 051 987 2 No Main Seal	Diameter: 108mm Stroke 85mm. Force Output Maximum 6200N Mineral Oil. Application: Merc Axor
970 051 424 0	M16 x 1.5 x 1 M14 x 1.5 x 1		Use 970 051 414 0 with M22 - M16 reducer Stroke 85mm With wear Indicator Hino 700 series
970 051 438 0	M22 x 1.5 x 1 M14 x 1.5 x 1	Repair Kit: 970 051 984 2	Diameter Stroke 75mm Application: Renault Brake Fluid
970 150 002 0			Do NOT Stock Mercedes Only DC 000 250 006 2
970 051 371 4			Guide

SAFETY VALVES



434 612 004 0

Part Number	Port Thread	Description
259617 NLA	1/4" NPT	Pressure Setting 11 Bar (160 psi) Application: General truck / bus Can Reset
434 612 004 0	M22 x 1.5	Pressure Setting 13 Bar Application: Merc Benz Actros
434 612 014 0	M22 x 1.5	Pressure Setting 7.5 Bar.

LINE FILTER



432 500 020 0

Part Number	Port Thread	Description
432 500 020 0	M22 x 1.5	Removable filter Application: Trailer

NON RETURN / CHECK VALVE / SHUTTLE VALVES / ONE WAY



434 014 000 0

Part Number	Port Thread	Description
934 010 025 0 NLA	M22 x 1.5	Male - Female Application: Trailer superceded APSA2099/2
434 014 000 0	M22 x 1.5	Female Ports Application: Trailer, Truck
434 025 000 0 NLA	M22 x 1.5/ M18 x 1.5 / M14 x 1.5	Male threads Application: Merc

DOUBLE CHECK VALVE / DIECTIONAL CONTROL / TWO WAY / CUT OFF VALVE



434 208 000 0



434 208 029 0

Part Number	Port Thread	Description
434 200 000 0 N/S	M22 x 1.5	Female Ports
434 208 000 0 NLA	M22 x 1.5	Female Ports Application: Trailer, Truck use 434 208 029 0
434 208 024 0 N/S	3/8"	Female Ports Application: Trailer, Truck
434 208 029 0	M22 x 1.5	Female Ports With mounting bracket.Application: Trailer, Truck

CHECK CHOKE VALVE



Part Number	Port Thread	Description
434 015 000 0 NLA	M22 x 1.5	Female Ports. Throttle: 0.3mm to 5mm Application: DAF, Leyland, Trailer

THROTTLE CHECK VALVE (3/2 Way Valve) Exhaust Brake Valve



463 013 111 0



463 013 210 0



463 022 020 0

Part Number	Port Thread	Repair Kit	Description
463 013 111 0	M12 x 1.5	ASA 5705	Stroke 5.7mm. Length 39.6mm. Without Lock Nut. General Truck short stem
463 013 112 0	M12 x 1.5	ASA 5705	Stroke 5.7mm. Length 37.9mm. Without Lock Nut. General Truck short stem
463 013 114 0	M12 x 1.5	ASA 5705	Stroke 5.7mm. Length 37.9mm. Without Lock Nut. General Truck long stem
463 013 116 0	M12 x 1.5	ASA 5705	Stroke 5.7mm. Length 46.9mm. With Lock Nut. DAF, Iveco short stem
463 013 121 0	M12 x 1.5	ASA 5705	Stroke 5.7mm. Length 75.6mm On Request
463 013 130 0	M16 x 1.5	ASA 5705	Stroke 5.7mm. Length 37.9mm. Without Lock Nut. Merc short stem
463 013 200 0	M12 /M16 x 1.5	ASA 5705	Stroke 10mm. Length 41mm. Without Lock Nut. Merc short stem
463 013 210 0	M12 /M16 x 1.5	ASA 5705	Stroke 5.7mm. Length 37.9mm. Without Lock Nut. Merc short stem
463 022 020 0	M10 x 1		Stroke 12.5mm. Length 42mm. With Lock Nut. DAF, Volvo
891 500 464 4	M26		Locknut Loose
811 401 100 4	M26		Washer Loose

GEARBOX CONTROL VALVES (3/2 Way Valve)



463 036 001 0 / 010 0
3/2 way



463 037 001 0
4/2 way



463 039 006 0
3/2 way



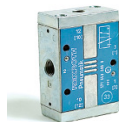
463 063 002 0 / 003 0
5/2 way



563 020 000 0
3/2 way



571 003 104 0
5/2 way



571 040 000 0
3/2 way



463 031 102 0

Part Number	Port Thread	Repair Kit	Description
463 031 102 0		463 031 001 2	4/2 way, Directional Control Valve.
463 036 001 0	M10 x 1.5		3/2 way, With Turning Knob. With Retaining Position. Without Lock Nut. Merc
ASA5910	M10 x 1.5		3/2 way - same as 463 036 001 0 but with Washer and Locknut
463 036 010 0	M16 x 1.5		3/2 way, Without Turning Knob. With Retaining Position. VOSS. Without Lock Nut.
463 036 016 0	M16 x 1.5 Voss		Diff Lock Switch. Nominal Diameter 4mm. Mounting M28 x 1.5
463 037 001 0	M10 x 1.5		4/2 way, Nominal Diameter 2.5mm. M10. Without Handle and Lock Nut. Merc
463 038 009 0		463 038 000 2	3/2 way, Directional Control Valve. With Pressure switch
463 039 006 0	M10 x 1	463 039 000 2	3/2 way, Without switch. Merc
463 063 002 0	M10x1/ M12x 1.5	463 063 000 2	5/2 way, Nominal Diameter 1.5mm. Merc, ZF Box
463 063 003 0	M10x1/ M12x 1.5	463 063 000 2	5/2 way, Nominal Diameter 1.5mm. MAN, ZF Box
563 020 000 0	M10 x 1		3/2 way, NW4 MAN
571 003 002 0 NLA			Directional 5/2 way Control Valve.
571 003 104 0	M10 x 1		4/2 way, NW4 Control pressure 2Bar. DAF, Mercedes Benz, Iveco, MAN
571 040 000 0	M14 x 1.5		3/2 way, Trailer suspension, raise lower & axle lift, General Truck
899 851 810 4			Handle for 463 037 001 0
891 500 520 4			Lock nut M28
A5821			Washer M28
899 851 810 4			Handle

SERVO UNIT

921 399 025 0 Pneumatic Assist Hydraulic Servo



Hydraulic Pressure: 120 Bar.
Pneumatic Pressure: 8 Bar.

60cm³ Cylinder with Air Reservoir.

Application: Iveco

SOLENOID VALVE



472 090 202 0



472 127 140 0



472 170 600 0



472 172 600 0



472 173 204 0



472 176 316 0

Part Number	Port Thread	Description
472 090 202 0	1/4" NPT	24V Normally closed. Nominal Diameter 2.8mm. General Truck and Bus
472 070 639 0	M16 x 1.5 Voss	24V Normally closed. Nominal Diam 4mm. DIN Bayonet. Merc
472 072 628 0	M12 x 1.5	3/2 Way. Nominal Diam. 2,2/3. Type: Vented
472 102 040 0	M12 x 1.5	12/24V Normally open
472 127 140 0	M12 x 1.5	12/24V Normally closed. Nominal Diam 2.2mm. Terminals. MAN, General Truck, Trailer
472 132 198 0	M12 x 1.5	Nominal Diam. 2,2/3. Type: Vented 24V Norm Closed
472 170 600 0	M12 x 1.5	24V Normally closed. Nominal Diam 4mm. M27x1 Kostal. Merc, ERF
472 170 637 0	N/S M12 x 1.5	12V Nominal Diam. 2,2/3.
472 172 600 0	M12 x 1.5	24V Normally closed. Nominal Diam 2.2mm. M27x1 Kostal. DAF, Iveco, Trailer
472 172 620 0	M12 x 1.5	Nominal Diam. 2,2/3. Type: Vented.
472 172 626 0	M12 x 1.5	Nominal Diam. 2,2/3. Type: Vented.
472 174 504 0	M12 x 1.5	24V Normally closed. 2/2 Type Bayonet
472 173 700 0	M12 x 1.5	Nominal Diam. 4.0. Type: Normally Open
472 173 204 0	N/S M12 x 1.5	24V Normally open. Nominal Diam 4mm. Bayonet. MAN-TGA
472 176 316 0	M16 x 1.5	Nominal Diam. 4.0. Type: Normally Open Actros and DAF
472 195 000 0		Use 472 195 018 0 + cable 894 601 132 2 (adaptor M24 to Bayonet)
472 123 706 0		Use 472 172 620 0

OPERATING CYLINDERS



421 411 070 0



421 429 003 0



422 010 012 0



421 411 314 0

Part Number	Port Thread	Description
421 411 070 0	M12 x 1.5	35mm Diam. Stroke 38mm. With Yoke 8mm. Mercedes Benz, ERF, Iveco, MAN
421 429 003 0	M12 x 1.5	28mm Diam. Stroke 48mm. Without Yoke. Mercedes Benz, MAN, Toyota, Nissan
421 411 300 0	M12 x 1.5	35mm Diam. Stroke 85mm.
421 411 314 0	M12 x 1.5	35mm Diam. Stroke 35mm
421 429 002 0	M10 x 1.0	28mm Diam. Stroke 70mm.
421 444 002 0	M12 x 1.5	20mm Diam. Stroke 15mm
421 445 001 0	1/4" NPT	32mm Diam. Stroke 54mm
422 010 012 0	N/S M12 x 1.5	54mm Diam Stroke 65mm Repair Kit: 422 010 001 2 Service kit: ASA5707 Bush:895 300 060 4

OPERATING CYLINDERS

472 017 480 0

Conventional Door Control



24 Volt. Normally Open or Closed
8 Bar. M12 Ports.

Application: Mercedes Benz, Iveco, MAN

Repair Kit 472 017 000 2

SILENCERS



432 407 060 0



432 407 070 0

Part Number	Port Thread	Description
432 407 060 0	M22 x 1.5	Screw On, Max Pressure 13 Bar, Foot Brake
432 407 070 0		Snap On. Max Pressure 11 Bar, Foot Brake, Load sensing valves etc
432 407 016 0		Saw - Tooth Profile

PALM COUPLINGS



952 200 021 0



952 200 022 0



952 200 221 0



952 200 222 0

Part Number	Port Thread	Description
952 200 021 0	M16 x 1.5	Red Cap, Trailer Emergency - No Valve
952 200 022 0	M16 x 1.5	Yellow Cap, Trailer Service - No Valve
952 200 221 0	M16 x 1.5	Red Cap, Truck Emergency - With Valve
952 200 222 0	M16 x 1	Yellow Cap, Truck Service - With Valve
897 550 020 4		Replacement seal

DUOMATIC COUPLINGS



452 802 009 0



452 804 012 0

Part Number	Port Thread	Description
452 802 009 0	M16 x 1.5	Truck Coupling. Maximum 10 Bar Repair kit: 452 802 003 2
452 804 012 0	M16 x 1.5	Trailer Coupling. Maximum 10 Bar
897 550 020 4		Replacement seal

F&J COUPLINGS



052 001 002 2 (1/2")
052 002 002 2 (M22)



0520030222 (M22) A6718
(1/2")



ASA531/2 (1/2")



052 001 003 2



052 003 001 2 (1/2")



AP11168 (1/2")
A5776 (M22)



0520000014 (1/2")



A6704 (M22)
A6719 (1/2")



052 003 006 2



052 003 015 2



052 003 014 2

Part Number	Port Thread	Description			
0520010022	1/2"	Female std		Steel Slide	
0520020022	M22 x 1.5	Female std		Steel Slide	
A6702	M22 x 1.5	Female with striker plug assembled	Trailer	Black plastic slide	one piece
A6708	1/2"	Female with striker plug assembled	Trailer	Black plastic slide	one piece
A6722	M22 x 1.5	Female with striker plug assembled	Trailer	Steel Slide	one piece
APSA1519	1/2"	Female with striker plug assembled	Trailer	Steel Slide	
A6718	1/2"	Female F&J with short stem shut off valve	Truck	Black plastic slide	one piece
A6703	M22 x 1.5	Female F&J with short stem shut off valve	Truck	Red plastic slide	one piece
A6723	M22 x 1.5	Female F&J with short stem shut off valve	Truck	Steel Slide	one piece
0520010062	1/2"	Female F&J with short stem shut off valve	Truck	Steel Slide	
0520003005	M16 x 1.5	Female F&J with short stem shut off valve	Truck		
ASA531/2	1/2"	Female F&J with short stem shut off valve	Truck	With dust flap and bracket	Plastic slide
0520030222	M22 x 1.5	Female F&J with short stem shut off valve	Truck	No dust flap or bracket	
0520010032	1/2"	Short stem Shut off valve only			
0520000014	1/2"	1/2" Male Coupling std	Trailer		
0520000024	M22 x 1.5	M22 Male Coupling std	Trailer		
A6704	M22 x 1.5	M22 Male F&J with long stem shut off valve	Truck		one piece
A6719	1/2"	1/2" Male F&J with long stem shut off valve	Truck		one piece
0520030052	1/2"	1/2" Male F&J with long stem shut off valve	Truck	dust cap and bracket	steel slide
0520001005	M16 x 1.5	M16 Male F&J with long stem shut off valve	Truck		
0520030062	1/2"	1/2" Male F&J with long stem shut off valve	Truck	dust cap and bracket	Plastic slide
0520030012	1/2"	1/2" long stem Shut off valve only			
AP11168	1/2"	STRIKER PLUG / Operating Plug			
A5776	M22 x 1.5	STRIKER PLUG			
SF240/4	1/2"	COPPER WASHER			
0520030022		Dust cover Female for male couplings with Chain and bracket			
0520030142		Dust Flap			
1178075		Dust Plug male for female couplings with chain black			
A1121		Service Tag			
A1122		Emergency Tag			
0520030152		Plastic Bracket			

AIR THROTTLE VALVES

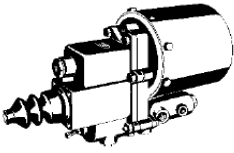


361 064 050 0

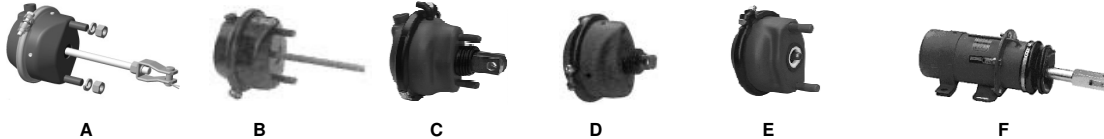
423 020 016 0

Part Number	Port Thread	Description
3610500002		REPAIR KIT
3610640500	M14 x 1.5	AIR THROTTLE VALVE
4230200160	M12 x 1.5	T3 BRAKE CHAMBER
8971210304		DIAPHRAGM TYPE 3
A6601		SPRING (8965144404)

BRAKE SERVO

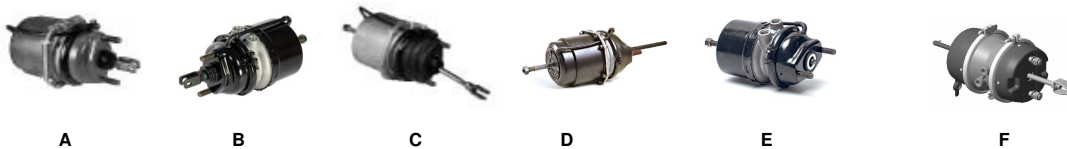
462 197 202 0  Air / Hydraulic Brake Servo Piston Diameter: 150mm Repair Kit: 462 197 000 2 Stroke: 75mm Ports: 11, 12, 21 = M22 22 = M14 23 = M10	462 007 042 0 Air / Hydraulic Single Circuit Brake Servo Mercedes Repair Kit 462 007 003 2
	462 196 203 0 OBSOLETE Repair kit 462 196 000 2 not available Can use 462 197 000 2 but main seal is different

BRAKE CHAMBERS



Part Number	Port Thread	Pic	Description
AGA339	1/4"	A	T 12, Short stroke
AGA109		A	T 20, Short stroke
AGA448	3/8"	A	T 24, Long stroke old number AGA351
AGA449	M16 x 1.5	A	T 30, Long stroke, with nuts, clevis and washers old number AGA354
423 107 900 0	M16 x 1.5	B	T 30, Long stroke, rod protrusion 85mm long, without clevis, nuts and washers
423 105 111 0	M16 x 1.5	C	T20, 37mm Rod Protrusion. With Yoke and Gaiter. Merc Stroke 75mm
423 106 292 0	M16 x 1.5	C	T24, 116mm Rod Protrusion. With Yoke and Gaiter. Merc Stroke 75mm
423 106 409 0 NLA	M16 x 1.5	C	T24, 54mm Rod Protrusion. With Yoke and Gaiter. Merc Stroke 75mm
423 106 700 0	M22 x 1.5	E	T24, 20mm Push Rod. Disc Brakes. MAN Stroke 75mm
423 106 701 0	M22 x 1.5	E	T24, 20mm Push Rod. Disc Brakes. MAN Stroke 75mm
423 106 900 0	M16 x 1.5	B	T9, 186mm Rod Protrusion. No yoke. Stroke 75mm
423 109 001 0	M16 x 1.5	C	T27 37mm Push Rod Stroke 64mm
423 205 101 0 N/S	M16 x 1.5	D	T20. 37mm Piston Rod. Welded Yoke. No Mounting Studs. Stroke 57mm
423 206 700 0	M16 x 1.5	D	T24. 37mm Rod. Welded Yoke. No Mounting Studs. Stroke 57mm
423 206 701 0	M16 x 1.5	D	T24. 37mm Rod. Welded Yoke. No Mounting Studs. Stroke 57mm
423 104 710 0 N/S	M16 x 1.5	E	T16. DISC Brakes Stroke 57mm
425 307 012 0	M22 x 1.5		100mm diam 80mm stroke release 4.5bar M16 push rod kit 425 307 000 2

SPRING BRAKES



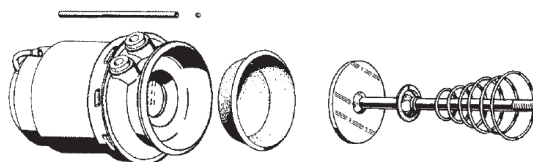
Part Number	Port Thread	Pic	Description
925 305 130 0 N/S	M16 x 1.5	A	T12/12. 54mm Push Rod. Repair Kit 925 305 001 2
925 320 500 0 N/S	M16 x 1.5	D	T20/30. Repair Kit 925 320 002 2
925 320 502 0	M16 x 1.5	A	T20/30. 30mm Piston Rod. With Yoke and Gaiter. Rep Kit 9253200022 (S/S 925 490 755 0)
925 320 701 0 NLA	M16 x 1.5	B	T20/24. 75mm Push Rod. With Yoke and Gaiter. Repair Kit 925 320 001 2
925 323 125 0	M16 x 1.5	E	T36/30. 15mm Push Rod. Without Yoke. Repair Kit 925 320 002 2 (S/S 925 494 0410 0)
925 324 300 0 N/S	M16 x 1.5	B	T16/24. 206mm Welded Push Rod. Repair Kit 925 320 001 2 Merc
925 324 040 0	M16 x 1.5	B	T16/24. 60mm Welded Push Rod. Repair Kit 925 320 001 2 (S/S 925 490 902 0)
925 420 902 0	M22 x 1.5	A	T20/24. 37mm Welded Push Rod. Voss ports. Repair Kit 925 320 001 2
925 421 540 0	M22 x 1.5	B	T24/30 G-Type Welded Push Rod
925 421 715 0	M16 x 1.5	B	T24/24. 200mm Welded Push Rod. Repair Kit 925 321 007 2 NLA (S/S 925 421 752 0)
925 421 750 0 NLA	M22 x 1.5	D	T24/24. 75mm Welded Push Rod. MAN L2000. MAN M2000 (S/S 925 491 755 0)
925 421 751 0 N/S	M22 x 1.5	D	T24/24. 200mm Welded Push Rod. MAN F2000 (S/S 925 491 755 0)
925 421 752 0 N/S	M22 x 1.5	D	T24/24. 200mm Welded Push Rod. MAN F2000
925 422 123 0 N/S	M22 x 1.5	C	T30/30. 200mm Push Rod. M22 VOSS Ports Repair Kit 925 320 002 2
925 424 100 0	M22 x 1.5	C	T16/24. 187mm Rod Length. With Yoke. VOSS Ports. Welded Rod.Merc (S/S 925 494 041 0)
925 424 101 0 N/S	M22 x 1.5	C	T16/24. 270mm Push Rod. With Yoke. VOSS Ports. (S/S 925 494 041 0)
925 426 200 0	M16 x 1.5	E	T14/16. 15mm Push Rod. Disc Brake. Repair Kit 925 426 000 2 LHS
925 426 201 0	M16 x 1.5	E	T14/16. 15mm Push Rod. Disc Brake. Repair Kit 925 426 000 2 RHS

SPRING BRAKES Continued

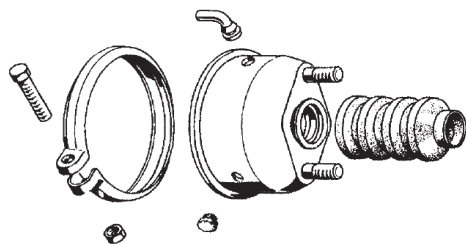


A	B	C	D	E	F
925 450 001 0	M16 x 1.5	D	T20/24. 250mm Push Rod. Without Yoke. VOSS Ports. Superseded by 925 490 925 0		
925 451 001 0	M16 x 1.6	D	T24/24. 250mm. Without Yoke. With Gaiter. M16 x 1.5 Rod. Superseded by 925 491 141 0		
925 452 001 0	M16 x 1.7	D	T30/30. 250mm. Without Yoke. With Gaiter. M16x1.5 Rod. DAF, Scania, Volvo s/s 925 492 102 0		
925 454 001 0	M16 x 1.8	D	T16/24. 200mm. Without Yoke. With Gaiter. M16 x 1.5 Rod. Merc, MAN s/s 925 494 041 0		
925 424 800 0	M16 x 1.9	E	T16/16. 15mm Rod Length. VOSS Ports. Left Hand Side. MAN		
925 424 801 0	M16 x 1.10	E	T16/16. 15mm Rod Length. VOSS Ports. Right Hand Side MAN		
925 460 011 0	M22 x 1.5	E	T20/24. 15mm Push Rod. Disc Brake. LHS Actros. Rep Kit : 9254600002 (S/S 925 480 011 0)		
925 461 050 0	M16 x 1.5	E	T24 24. 15mm Push Rod. Disc Brake. LHS		
925 461 052 0	M16 x 1.5	E	T24 24. 15mm Push Rod. Disc Brake. Universal		
925 464 452 0	M16 x 1.5	E	T16/16. 15mm Push Rod. Repair Kit : To 38/01 925 464 002 2 : From 38/01 925 464 004 2		
925 480 004 0	M22 x 1.5	E	T20/24. 15mm Push Rod. Disc Brake. RHS		
925 488 012 0	M22 x 1.5	E	T14/24. 15mm Push Rod. Disc Brake. RHS (S/S 925 488 014 0)		
925 488 021 0	M16 x 1.5	E	T14/24. 15mm Push Rod. Disc Brake. RHS (S/S 925 490 925 0)		
925 490 104 0 NLA	M22 x 1.5	D	T20/24. 187mm . Welded Yoke. RHS		
925 490 902 0 N/S	M22 x 1.5		T20/24. 37mm Push Rod. Welded Yoke.		
925 492 102 0	M22 x 1.5	D	T30/30. 250mm Push Rod. Universal Tri-Stop. No Yoke.		
925 494 041 0	M22 x 1.5	D	T16/24. 250mm Push Rod. Universal Tri-Stop. No Yoke. (S/S 925 494 960 0)		
925 481 012 0	M16 x 1.5	E	T24/24. 65mm Stroke. VOSS Ports RHS		
925 481 013 0	M16 x 1.5	E	T24/24. Push Rod 15mm VOSS Ports. Merc Actros. LHS		
925 468 013 0	M16 x 1.5	E	T14/24. Push Rod 15mm VOSS Ports. Merc Actros. Superseded by 925 488 015 0 LHS		
925 468 020 0	M16 x 1.5	E	T14/24. Push Rod 15mm VOSS Ports. Merc Actros. Superseded by 925 488 020 0 RHS		
AGA262	3/8"	F	T12/12 trailers & mine machinery Pushrod 12mm		
AGA445	M16 x 1.5	F	T24/30 Long stroke horizontal studs trailers Pushrod M16 1/2" Clevis old number AGA349		
AGA446	M16 x 1.5	F	T24/30 Long stroke Vertical studs trailers Pushrod M16 1/2" Clevis old number AGA349A		
AGA447	M16 x 1.5	F	T30/30 Long stroke trailers Pushrod M16 1/2" Clevis old number AGA350		
AGA430	M16 x 1.5		925 491 141 0 with clevis, washers and pushrod lock nut		
AGA431	M16 x 1.5		925 490 925 0 with clevis, washers and pushrod lock nut		
AGA432	M22 x 1.5		925 494 041 0 with clevis, washers and pushrod lock nut		

SPRING BRAKE SPARES

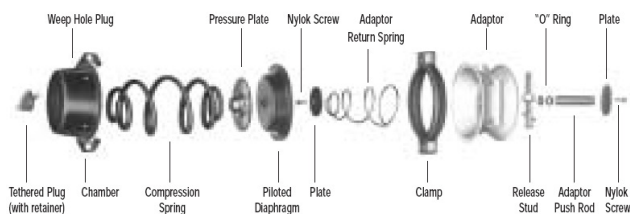


Rear Section / Centre Housing



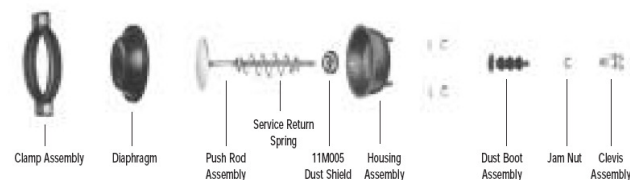
Front Section

DOUBLE DIAPHRAGM SPARES



Rear Section

Centre Housing



Front Section

Clevis Kit

Part Number	Description	Part Number	Description
895 801 513 2	M16 x 14mm Clevis and Pin.	A 5943 NLA	Centre Piston Assembly.
897 750 980 4 ID12	Dust Boot. 1 Hole (Small) L=100mm W=45mm	A 5945 NLA	Centre Piston Spring.
897 751 010 4 ID21	Dust Boot. 1 Hole (Large) L=100mm W=45mm	A 5948	Centre Seal Kit.
897 753 261 4 ID35	Dust Boot. 2 Hole L=85mm W=45mm	ASA 1779	T24 Push Rod Not for AGA349
925 321 010 2	Type 24 Rear Housing (Steel).	ASA 1780	T30 Push Rod.
925 322 011 2	Type 30 Rear Housing (Steel).	ASA 5267	5/8" Clevis x 1/2" Pin.
925 324 650 2 NLA	Type 16 Non Pressure Housing.	ASA 5429 NLA	Dust Plug.
A5803 ID40	Dust Boot Maxi	ASA 6294	Clevis M16 x 1.5mm x 1/2" Pin.

DIAPHRAGMS



Part Number	Description
897 121 030 4	Wabco Type 3. OD:78.6mm Depth 22mm
234433M	Type 9. OD: 130mm
234226M	Type 12.
897 121 610 4	Wabco Type 14. OD: 147mm Depth 33mm
A6447	Type 16.
897 120 510 4	Wabco Type 16. OD: 156mm Depth 35mm
A6448	Type 20. OD: 169.7mm Depth 28.7mm
897 120 520 4	Wabco Type 20. OD: 168mm Depth 33mm
A2400	Type 24. OD: 180mm Depth 29mm
897 120 530 4	Wabco Type 24. OD: 179mm Depth 33mm
897 121 925 4	Wabco Type 27.
A3000	Type 30. OD: 203mm Depth 32mm
897 120 540 4	Wabco Type 30. OD: 199mm Depth 35mm
897 120 546 4	Wabco Type 30. OD: 200mm Depth 44mm
234362M	Type 36.
897 120 516 4	Type 16 Deep Dish

LOADSENSING & LEVELLING VALVE COMPONENTS



A 5349 LSU



ASA 5080/5081



433 300 381 4 (STR)
433 300 383 4 (L)



464 002 730 2 (Levelling Valve)
475 701 712 2 (L.S.V.)

Part Number	Description
A 5349 LSU	Coiled Spring Arm for loadsensing
A 5426	Bracket (Springbox Mounting / Single Axle).
A 5427	Bracket (Springbox Mounting / Tandem Axle).
A 6356	Data Plate - Air Suspension Valve / Mechanical
ASA 5080	Linkage Kit Tandem Axle.
ASA 5081	Linkage Kit Single Axle.
433 300 381 4	Link Connection 7mm (Rubber Straight). Loadsensing Valve
433 300 383 4	Link Connection 8mm(Rubber L Shape). Loadsensing Valve
433 300 384 4	Link Connection (Rubber L Shape). Levelling Valve
433 300 385 4	Link Connection 6mm (Rubber L Shape) Levelling Valve
433 401 003 0	Linkage Kit. Levelling Valve. Clamp 893 510 470 2
433 401 004 0	Double Axle Linkage Kit.
433 401 380 4	Link Connection 6mm (Rubber Straight). Levelling Valve No Clamp
464 002 730 2	Metal Arm (464 002...0) Levelling Valve. Includes straight rubber
475 701 712 2	Straight Load Sensing Arm with Rubber Link.
475 710 130 4	Roller (475 710...0). Load Sensing Valve.
475 710 770 4	Plastic Plunger (475 710...0). Load Sensing Valve.
898 011 350 4	Dust Cover / Cap (475 710...0). Load Sensing Valve.
899 144 631 4	Data Plate - Air Suspension Valve.
A6434	Single Rubber Buffer with steel threaded rod

TEST EQUIPMENT PNEUMATIC



453 004 007 0



AGA 211



ASA 5896*

Part Number	Description
453 004 007 0	Pressure Gauge. 16 Bar. M16 x 1.5. Diameter (100mm).
AGA 211	Pressure Gauge. 10 Bar. Dash Mount. Diameter (60mm).
ASA 5896*	Test Hose 6m Long with Wing Nuts.
118 938 6	Test Gauge kit: 2x gauges, 2x hoses 6m , fittings and couplings and test pts

SUZY COILS



Air Suzy



7 & 15 pin Suzy



7 & 15 pin Plug



7 & 15 pin Socket

Part Number	Description
ASA 5477	Red with Springs and 1/2" NPT Fittings. DIN Specification 73378.
ASA 5478	Yellow with Springs and 1/2" NPT Fittings. DIN Specification 73378.
AGA347	Electrical M to M ISO 7638 ABS/EBS suzi 7 PIN
AGA348	Electrical M to M ISO 12098 suzi 15 PIN Lighting
A6700	15 PIN ISO SOCKET Female Easy connector type
A6701	15 PIN ISO PLUG Male Easy connector type
A6698	ABS/EBS 7 PIN ISO Socket Female Easy connector type
A6699	ABS/EBS 7 PIN ISO Plug Male Easy connector type

NYLON PIPE

Part Number	Description
A 5766	04 Black.
A 6115	04 Blue.
A 6232	04 Green.
A 5962	04 Red.
828 251 908 6	06 Black.
A 6119	06 Blue.
A 6038	06 Red.
A 6041	06 Yellow
A 6245	06 Green
828 251 907 6	08 Black.
A 5912	08 Green
A 5914	08 Red
A 5635	012 Blue.
A 5633	012 Green.
A 5608	016 Black (Push on).
A 5632	012 Red.
A 5634	012 Yellow.
A 5607	013 Black (Push on).



DIN Specification 73378 or 74324.

Part Number	Description
828 251 904 6	015 Black
A6244	08 Yellow
A 6599	09 Black.
828 251 906 6	010 Black
A 3005/N/10SB	010 Blue.
A 5405	010 Green.
A 3005/N/10R	010 Red.
A 3005/N/10SY	010 Yellow.
A 5606	011 Black (Push on).
A 5782	012 Black.
A 6241	08 Blue

RUBBER HOSE

A3626

Rubber Hose Working pressure 15.5 Bar



DIN: SAE J1402.
1/2" Bore

SPIRAL BINDING

A 900

Clear 25m lengths



PIPE CUTTER

AGA 322

Nylon Pipe Cutter

TRUCK EBS COMPONENTS



446 130 014 0 / 015 0



480 001 000 0



480 001 011 0



480 103 011 0



480 202 004 0



480 204 001 / 2 0

Part Number	Port Thread	Description
446 130 014 0		EBS ECU (Electronic Control Unit) 4x2, 1999, with EPS/EAS. Application: Merc Actros Diagnostic Software: 246 301 547 0
446 130 015 0		EBS ECU (Electronic Control Unit) 4x2, 6x2, 6x4, 8x4. Not 4x2 tractors. 1999, with EPS/EAS. Application: Merc Actros Diagnostic Software: 246 301 547 0
446 130 053 0		EBS ECU (Electronic Control Unit)
480 001 000 0	All ports: M22 x 1.5 Port 4 M16 x1.5	Brake Signal Transmitter Without Silencer. With port 4 VOSS Application: Merc Actros
480 001 011 0	All ports: M22 x 1.5	Brake Signal Transmitter With Silencer. 2003. Without port 4 VOSS. Application: Merc Actros
480 103 011 0	M22 x 1.5	EBS Axle Modulator. 4x2. 1999. Application: Merc Actros
480 103 012 0	M22 x 1.5	EBS Axle Modulator. 6x2, 6x4, 8x4. 1999 Application: Merc Actros Diagnostic Software: 246 301 547 0
480 103 015 0		EBS Axle Modulator. 4x2. 2004
480 103 016 0		EBS Axle Modulator. 6x2. 2004.
480 103 055 0		EBS Axle Modulator 6x2 Application: Merc Actros
480 202 004 0	All ports: M22 x 1.5 Port 4: M16 x1.5	Proportional Relay Valve. Front Axle. All vehicles except 8x4
480 202 005 0	All ports: M22 x 1.5 Port 4: M16 x1.5	Proportional Relay Valve. Front Axle. For 8x4 vehicles. Replaces 8840135030 Application: DAF 85
480 204 001 0	M22 x 1.5	EBS Trailer Control valve. Reworked 7 pin Bayonet fitting plugged from below, Superceded by: 480 204 002 0 Application: DAF, Merc Actros, Nissan Not Available
480 204 002 0		EBS Trailer Control valve. Reworked 7 pin Bayonet fitting plugged from below, Superceded by: 480 204 002 0 Application: DAF, Merc Actros, Nissan
480 103 043 0		EBS Axle Modulator. 4x2. DAF
480 103 033 0		EBS Axle Modulator. Nissan
480 104 106 0		EBS Axle Modulator MAN 2005
481 135 003 0		EBS ECU Nissan UD
446 210 001 0 446 210 006 0	Use	CVC Central Vehicle Controller MAN

TRUCK ABS COMPONENTS



446 004 064 0



446 004 313 0 / 416 0



446 004 335 0



472 195

Part Number	Description
446 004 064 0	ABS/ASR - C3 4S/4M. 24v. Engine Interface, EDC/EMS. Application: DAF, Dennis, Nissan
446 004 313 0 NLA	4S/4M. 12V. D Version. Application: International / Peterbilt
446 004 416 0	4S/4M. 24V. D Engine Interface. Application: MAN F2000 / Bus Diagnostics Software: 246 301 628 0
446 004 335 0	E Generation ECU. Basic ABS with ASR. Application: Nissan, Toyota Hino 700/500 Diagnostics Software: 246 301 628 0
472 195 008 0	24V ABS Solenoid Valve. Electric Connector Kostal M24 x 1, M22 x 1.5 VOSS ports Application: Older Trucks with ABS
472 195 016 0	24V ABS Solenoid Valve. Electric Connector Bayonet. M22 x 1.5 VOSS Port.
472 195 052 0	12V ABS Solenoid Valve. Electric Connector: Bayonet. 1/2"-14 NPTF dry seal
472 195 082 0	12V ABS Solenoid Valve. Electric Connector Kostal M24 x 1, 1/2"BSP ports Left Hand Side Flange Mounted Application: Freightliner
472 195 083 0	12V ABS Solenoid Valve. Electric Connector Kostal M24 x 1, 1/2"BSP ports Right Hand Side Flange Mounted Application: Freightliner
472 260 011 0	ABS proportional Valve - Exclusive to Voith
446 016 002 0	ABS Module
446 044 200 0	ABS ECU
446 056 127 0	24V ECAS Remote Control Unit
4494230600	Solenoid Cable 6m
4494230800	Solenoid Cable 8m
4494231200	Solenoid Cable 12m
4497151200	Truck Sensor cable 12M
4497150800	Truck Sensor cable 8M

TRUCK ECAS (Electronically Controlled Air Suspension)



472 900 060 0



463 084 010 0



446 056 116 0



441 050 011 0 / 012 0



441 040 007 0 / 015 0



472 880 001 0

Part Number	Description
472 900 053 0	For Rear Axle with 2 Height Sensor. 3 Solenoids. 1 Electrical Connection. Bayonet. M22 x 1.5 VOSS Push-in Fitting. With Silencer. Application: DAF, MAN, Repair Kit : 472 900 009 2 Same as 472 900 060 0 but with Plug
472 900 060 0	For Rear Axle with 2 Height Sensor. 3 Solenoids. 1 Electrical Connection. Bayonet. M22 x 1.5 VOSS Push-in Fitting. With Silencer. Repair Kit : 472 900 009 2. NO Plug but Same as 472 900 053 0
472 905 111 0	ECAS Solenoid valve drive and lift axle M22 Kit 472 905 004 2 DAF MAN TGA AXOR
472 880 001 0	ECAS Solenoid replaces 472 900 053 0
446 056 116 0	ECAS Remote control Hand held Truck only
446 056 202 0	ECAS Remote control Hand held Universal
446 056 010 4	Mounting bracket for remote control
446 170 208 0	ECAS ECU Unit
441 050 011 0	ECAS Height Sensor. Bayonet without Lever. Height Sensor. Application Mercedes Benz, DAF, MAN
441 050 012 0	ECAS Height Sensor. Bayonet without Lever. Without Temperature Compensation. Application: Merc, MAN
441 050 100 0	ECAS Height Sensor. Bayonet with Lever. Without Temperature Compensation.
472 880 000 0	ECAS Solenoid Valve use 472 880 030 0 AXOR RA, DAF Iveco
441 040 007 0	ECAS Pressure Sensor. M16 x 1.5 Bayonet. 400 mV/Bar (16 Counts / Bar). Application: Mercedes Benz, DAF, Iveco, MAN, Scania, Trailer
441 040 015 0	ECAS Pressure Sensor. M16 x 1.5 Bayonet. 400 mV/Bar (16 Counts / Bar). With O ring Application: Mercedes Benz, DAF, Iveco, MAN, Scania, Trailer
441 043 504 1	Pressure Sensor
441 050 123 0	ECAS Height Sensor
441 100 531 2	Distance Sensor Module

EBS & TCE TRAILER COMPONENTS



480 102 014 0 / 015 0



463 084 010 0



480 207 001 0



446 122 001 0



446 056 202 0

Part Number	Description
C Version EBS	
9710028020	EBS Relay Emergency Valve C Version EBS OLD system. Use 9710028050 below with kit
9710028050	EBS Relay Emergency Valve rep. 9710028020 C Version. Use with 9710029212 or 9710029222 see date of valve
4494720800	EBS CABLE to REV C Version EBS OLD system Use with 9710029212 or 9710029222 see date of valve
D Version EBS	
4801020150	EBS D ECU VALVE WITH RSS WITH TCE replaces 4801020020 4S3M
4801020100	EBS D ECU VALVE NO RSS NO TCE Basic EBS 4S2M
4801020140	EBS D ECU VALVE WITH RSS NOT FOR TCE 4S3M
4802070010	EBS 3rd Modulator Relay Valve for trailers
4410400150	Pressure Transducer used with ECAS and TCE replaces 4410400070 24V 10 Bar max
4497520300	Pressure Transducer Cable 3m to EBS from transducer 4410400150 for drawbars D -Ver EBS and old EBS
4497521000	Pressure Transducer Cable 10m to EBS from transducer 4410400150 for drawbars D -Ver EBS and old EBS
4498230200	Pressure Transducer Cable to TCE x44 from 4410400150 for ECAS
4493721300	EBS 3rd Modulator Cable
4496720300	DIAGNOSTIC PLUG CABLE 3m
4491721200	ELECTRICAL SUPPLY CABLE with ISO6738 7pin Female socket 12m
4492721000	ELECTRICAL SUPPLY CABLE with ISO6738 7pin Male socket 10m
4496843130	ELEC SUPPLY (stoplight) & diagnostic cable 12m (replaces normal diag cable) NOT ISO7638
4491721500	ELECTRICAL SUPPLY CABLE with ISO6738 7pin Female socket 15m
ASA7118	15 EXTENDED POWER CABLE WITH MALE FOR DRAWBARS
4493770300	Smartboard cable to D gen EBS
4461921100	Smartboard EBS with battery (Not ADR Compliant)
Data Plate	
ASA6960	EBS data plate Calculation Information for EBS software
TCE Components	
446 122 001 0	TCE computer UNIT Supercedes 446 122 000 0
449 113 120 0	POWER SUPPLY CABLE x13 on TCE 15PIN
446 122 400 0	PARK Distance Controller sensor
449 704 253 0	TCE To Park Dist Control sensor Cable 6m 2 split x31
449 672 040 0	TCE Diagnostic Cable x14
449 399 020 0	TCE To EBS Cable x22
449 655 050 0	ECAS/ELM fixed keypad cable to TCE board X41 use fixed mount box 4461560100
446 156 010 0	Fixed control keypad Box Mounted on vehicle
449 392 075 0	Cable for rear lighting with 15 pin ISO Socket
A6638	TCE Sensor Plate
A6639	TCE "this vehicle is fitted with a TCE system" Plate
TCE ECAS Air Susp Control Parts	
472 900 055 0	ECAS Air Susp Control Valve NO axle lift
449 483 015 0	TCE To ECAS Cable x43
446 056 202 0	Remote control keypad Hand held TRAILER
449 635 050 0	TCE to IRCU Unit Cable x41
441 050 012 0	Height Sensor Unit Without Arm
449 814 228 0	Height Sensor Cable to TCE 3m x42
Additional EBS Trailer Parts (non electronic parts)	
971 002 900 0	PREV Valve - Trailer Park Release Valve with relay emergency feature
973 500 051 0	Quick Release Valve M22 & M16 del Anti compound valve. Port 12 to Prev valve
434 500 003 0	Select Low valve for Steering Axle control instead of using a solenoid

EBS E GENERATION TRAILER COMPONENTS



480 102 063 0



441 050 100 0

480 102 060 0	4S/3M Premium 7 GIOs - Mech Susp & Int Air susp
480 102 063 0	4S/3M Premium 7 GIOs - Mech Susp & Int Air susp & PEM & Fittings
449 173 120 0	Power Cable ISO 7638 Semi - Female 12m
449 273 120 0	Power Cable ISO 7638 Drawbar - male 12m
449 349 100 0	Stoplight Power cable 10m
449 723 030 0	Sensor extension cable 3m
449 723 100 0	Sensor extension cable 10m
449 429 080 0	3rd modulator cable
449 611 030 0	Diagnostic cable E-EBS 3m
449 911 040 0	Smartboard Cable
449 916 253 0	Smartboard Cable and IVTM Y cable
899 700 001 4	Release tool 8mm
899 700 002 4	Release tool 12mm
899 700 003 4	Release tool 15mm
449 443 040 0	Single Circ Axle lift Cable 4m
449 348 020 0	TCE Cable to E-EBS 2m
449 519 030 0	ELM to E-EBS cable 3m not available
894 601 135 2	Dual Circuit Axle Lift Cable
893 129 467 4	Push in to 1/2" Hose barb
441 050 100 0	Distance Sensor Mechanical suspension
449 811 000 0	connecting cable for distance sensor
899 200 922 4	Sticky Silver Foil Data Label

SENSORS & ABS ACCESSORIES



449 712 023 0 / 038 0 / 051 0



441 032 808 0



441 032 921 0

Part Number	Description
449 712 023 0	2,3m Sensor Ext Cable
449 712 038 0	3,81m Sensor Ext Cable
449 712 051 0	5.1m Sensor Ext Cable
449 032 905 0	ABS Sensor BPW Disc Caliper
441 032 808 0	Sensor and cable 0.4m tail 90° Application: DAF, Merc, Trailer
441 032 823 0	Sensor Type S Plus. 2m tail 90° Application: Merc Actros
441 032 851 0	Sensor Type S Plus. 1.5m tail 90° Application: Merc Actros
441 032 082 0	Sensor S - Type Truck 3.5m 90°
441 032 920 0	Sensor S - Type Truck Straight 2.5m
441 032 921 0	Sensor S - Type Truck Straight 3.0m
441 100 110 0	EDS Distance Sensor - Exclusive to FTE Automotive
ASA6778	Warning Light Green round 12V globe
ASA6446	Warning Light Green round 24V globe
A6609	Warning Light Green round 12/24V LED
895 905 155 4 NLA	Pole Wheel (For Henred and Go Axles Only) Not Available from WABCO
899 760 510 4	Sensor Bush
ASA 6241	Mounting Block

TRAILER PNEUMATIC SUSPENSION & ECAS (Electronically Controlled Air Suspension)



4741000010



463 084 010 0



463 084 020 0



446 056 202 0

Part Number	Description
Pneumatic Axle Lift	
463 084 020 0	Fully Automatic Axle Lift Valve. Valve factory set at Air bag pressure: 1.5Bar lift Axle 4.2Bar lower
TEBS (Trailer EBS) Single Circuit Axle lift Valve	
449 664 190 0	Axle lift valve cable for Single Axle lift Valve 4630840300 4m / 4m diag
449 664 253 0	Axle lift valve cable for Single Axle lift Valve 4630840300 6m / 6m diag
463 084 030 0	Single circuit Axle lift Valve
463 084 041 0	Single circuit Axle lift Valve NEW with push in fittings 8mm
TEBS (Trailer EBS) Dual Circuit Axle Lift Valve	
463 084 010 0	Dual axle lift valve. Split left and right of trailer M16 x 1.5 / M22 x 1.5
449 624 113 0	Axle lift valve cable for dual axle lift 4630840100
449 554 113 0	EBS Diag / ELM / Single circuit Axle lift Cable 6m/2m/2m
ELM (Electronic Levelling Module) Suspension Raise Lower System	
474 100 001 0	ELM Module M16 x 1.5
449 344 253 0	Power cable from EBS ECU to ELM with EBS diagnostics
449 340 153 0	Power cable from ABS ECU to ELM + diagnostics
446 056 202 0	Remote control keypad Hand held TRAILER
446 156 010 0	ELM Fixed Remote Control
449 633 060 0	Remote control Cable to remote control hand held
446 056 010 4	Mounting bracket for remote control
446 156 010 0	Fixed control keypad Box Mounted on vehicle
449 638 060 0	Remote control Cable from ELM to remote control Box Mounted on Vehicle
441 050 718 2	Flat arm for ELM and ECAS height valve

TRAILER ABS COMPONENTS



400 500 035 0 / 050 0



400 500 081 0 / 083 0



472 195 031 0



434 500 003 0

Part Number	Description
TRAILER PARTS VCS I	
400 500 035 0	NLA 24V ECU 4S/3M mixed Power supply stoplight power required with permanent power for diagnostics
400 500 050 0	NLA 12V ECU 4S/3M Permanent Power supply required for ABS to function, stoplight power optional
449 411 140 0	NLA 3rd modulator cable 14m
472 195 041 0	24V Bayonet. Boxer Valve. Double-ABS-Relay Valve. M22 x 1.5
449 314 257 0	Stoplight Power/Diagnostic cable 12/6
449 332 120 0	Constant Power Cable 12m No socket or plug
449 332 140 0	Constant Power Cable 14m No socket or plug
449 612 030 0	Diagnostic plug only
TRAILER PARTS VCS II	
400 500 081 0	24V ECU 2S/2M or 4S/2M or 4S/3M ABS II Mixed Power Supply
400 500 083 0	12V ECU 2S/2M or 4S/2M or 4S/3M ABS II Mixed Power Supply
449 616 158 0	VCSII 3rd Modulator 15m Cable AND DIAGNOSTIC CABLE 3m
449 616 153 0	VCSII 3rd Modulator 6m Cable AND DIAGNOSTIC CABLE 3m
449 134 337 0	12m 7 Pin Y-Supply Cable ISO 7638 & ISO 1185 WITH FEMALE SOCKET - Semi Trailers (Stoplight and constant power)
449 234 337 0	12m 7Pin Y-Supply Cable ISO 7638 & ISO 1185 WITH MALE SOCKET -Drawbar Trailers (Stoplight and constant power)
4493743230	1m ABS Y-Supply Cable 12m Brake light
449 615 030 0	Diagnostic Cable 3m preferred usage
449 615 060 0	Diagnostic Cable 6m
446 008 310 4	ISO 7638 Socket Pins 1,5
446 008 311 4	ISO 7638 Socket Pins 6,0
449 374 323 0	5 Pin Y cable - Semi and Drawbar Trailers (Stoplight supply only)
Lengthening cables	
449 384 333 0	6m Y-Supply Cable ISO 7638 & 12m ISO 1185 lengthen ISO cable with either 4491331200 or 4492331000 below
449 384 328 0	3m Y-Supply Cable ISO 7638 & 12m ISO 1185 lengthen ISO cable with either 4491331200 or 4492331000 below
449 133 120 0	12m 7 Pin ISO 7638 WITH FEMALE SOCKET join to 4493843330 above - Semi Trailers
449 233 100 0	10m 7 Pin ISO 7638 WITH MALE PLUG join to 4493843330 above - Drawbar Trailers
ASA7075	Superceded 14m 7 pin Extended Power Cable ISO 7638 & ISO1185 with Female socket - LONG SEMI TRAILERS
ASA7080	Superceded 14m 7 pin Extended Power Cable ISO 7638 & ISO1185 with Male socket - DRAWBAR TRAILERS
COMMON ABS PARTS FOR VCSI AND VCSII	
472 195 031 0	24V 3rd Modulator Valve, Electrical Connector: Bayonet Ports: M22 x 1.5 (Old No. 472 195 020 0)
472 195 033 0	12V 3rd Modulator Valve, Electrical Connector: Bayonet Ports: 3/4" supply, 3/8" delivery, signal
434 500 003 0	Select Low valve for Steering Axle control instead of using a solenoid
ABS and General Plates and Labels	
A6259	Sticky label "WABCO ABS"
A6602	Aluminium label "WABCO ABS" same text as A6259
A6389	Welding warning plate (This old plate now replaced by plate below A6621)
A6621	Diagnostics instruction data Plate replaces A6389
A6622	24V connector Plate
A6623	12V connector Plate
A6274	Diagnostics plate, next to diagnostic plug
A6627	A4 "Do not Weld Sticker ABS on Vehicle"
A6607	Torque to 210Nm plate for spring brakes
A6356	LSV Data Plate

DIAGNOSTIC EQUIPMENT



A



B



C



D



E



F

Part Number	Pic	Description
GENERAL		
4463010210	A	Diagnostic Interface & PC cable Serial
4463010220	B	Diagnostic Interface & PC cable USB
118 938 6		Gauge diagnostic test box

TRAILER EQUIPMENT		
4463004000	C	Compact Tester V1,75 Vario C, VCS I and VCSII
4463003292	D	Diagnostic Cable for Trailer VCSI VCSII TCE EBS
4463015100	F	Diagnostic Software for Trailer VCSII
4463003180	E	Diagnostic Cable Vario C Trailer ABS

TRUCK EQUIPMENT		
4463004100	C	Compact Tester: Vehicle ABS (up to D Ver Only)
4463004300	C	Compact Tester: Trailer and Truck Systems

GENERAL SOFTWARE		
4463016280		Diagnostic Program ABS/ASR
4463015010		Diagnostic Software for Trailer VCSI
4463015100		Diagnostic Software for Trailer VCSII
4463015420		Diagnostic Software for Trailer EBS
4463016820		Diagnostic Software for Trailer TCE
4463015450		Diagnostic Software for Truck EBS (Europe)
4463015560		Diagnostic Software for Truck EBS (Asia)
4463016510		Diagnostic Software
4463016200		Diagnostic Software for ABS D Version
4463016280		Diagnostic Software D+ ABS E Generation (Hino, Powerliner etc.)
4463015470		Diagnostic Software for Daimler Chrysler (Actros)
4463015880		Diagnostic Software for Trailer EBS E Generation

GENERAL DIAGNOSTICS CABLES		
4463004040	G	ABS/ASR D vers. Inter-Adapter Cable to ECU
4463004080	H	ABS/ASR E vers. Inter-Adapter Cable to ECU
8946043032	G	ABS/ASR D vers. Cable to diagnostic plug (BMC)
4463003270		ABS, ECAS Inter Adaptor 35Pin Old version Truck
4463003170		ECAS / ATC Inter adapter 25pin
4463003440	H	EBS Diagnostic Cable for Asia Vehicles
4463004540	I	EBS (EPB) Cable MPII (Actros, Axor, defender)
4463003400	J	EBS / ECAS (EPB) Cable (Actros Axor) old cable
4463003450		ZBR MAN cable (TGA MAN ECAS etc)
4463003480		IVTM Cable
4463004530		EBS Diagnostic Cable for Euro (DAF)
4460562020		ELM Keypad
4463003610	K	CAN DIAG Cable Trailer EBS E use with 4463003600
4463003600	K	CAN EBS Interface cable Trailer EBS E



G



H



I

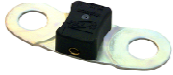


J



K

IVTM



9607300060



9607300130

9607308222



4462210000



4462200130/120



9607300.....

9607300010	NLA	IVTM Wheel Module STD 27
9607300060	NLA	IVTM Wheel Module STD 32
9607300130	NLA	IVTM Wheel Module L-Shape
9607300554	NLA	Hose Connector Twin Inner
9607300564	NLA	Hose Connector L-Shape
4462210000	NLA	Display
4462200130	NLA	IVTM ECU-Trailer
4462200120	NLA	IVTM ECU-TRUCK
4496742730	NLA	IVTM WIRING HARNESS
9607300554	NLA	HOSE TWIN INNER
9607300564	NLA	HOSE L-SHAPE
9609010504	NLA	IVTM ECU BRACKET
9607308222	NLA	Balance Plate
9607308282	NLA	Plate L-Shape 32 Dia

CROSS REFERENCE

CROSS REFERENCE

KNORR	WABCO
0481006006	421 411 306 0
0481007043	463 036 010 0
0481007047	463 013 210 0
0481009022	475 015 020 0
0481009022	475 015 001 0
0481016201	961 722 251 0
0481016207	961 722 294 0
0481016303	961 722 212 0
0481016309	961 722 288 0
0481026021	973 001 210 0
0481026021	973 001 211 0
0481026021	973 011 000 0
0481026022	973 006 001 0
0481026022	973 011 001 0
0481026027	973 011 050 0
0481026306	973 006 001 0
0481039201	975 303 473 0
0481039209	975 303 474 0
0481061020	973 002 409 0
0481061219	973 002 521 0
0481061220	973 002 521 0
0481064007	470 012 000 0
0481064201	461 319 008 0
0481064603	461 315 180 0
0481500101	472 017 480 0
0481500102	472 017 480 0
0482005003	421 410 025 0
0482005003	421 410 021 0
0482005008	421 410 066 0
0482006006	421 411 023 0
0482006008	421 411 041 0
0482006008	421 411 035 0
0482020007	421 444 020 0
0482020007	421 444 010 0
1126-01-00	422 010 010 0
1214-01-00	463 063 002 0
1214-02-00	463 063 003 0
1242-01-00	422 010 012 0
1497 434 902	432 410 020 0
3001 0046	890 110 347 0
3001 0051	890 110 350 0
3001 0056	890 110 353 0
625375AM	970 051 405 0
627052AM	970 051 412 0
AB 2767	973 002 409 0
AB 2778	973 002 402 0
AB 2797	973 002 520 0
AB 2797	973 002 521 0
AB 2835	973 002 521 0
AB 2840	973 009 001 0
AC152DX	475 010 015 0
AC155A	475 015 016 0
AC156A	475 015 031 0
AC156A	475 015 016 0
AC398A	421 411 063 0
AC398A	421 411 302 0
AC577A	973 006 003 0
AC590A	973 002 000 0
ACX82A	911 506 500 0

KNORR	WABCO
AE 1111	463 036 001 0
AE 1114	463 036 000 0
AE 1206	463 013 112 0
AE 2100	452 002 107 0
AE 4105	434 208 000 0
AE 4110	434 700 005 0
AE 4158	934 702 320 0
AE 4162	934 702 210 0
AE 4168	934 702 221 0
AE 4168	934 702 100 0
AE 4168	934 702 040 0
AE 4170	934 702 250 0
AE 4170	934 702 391 0
AE 4178	934 702 300 0
AE 4178	934 702 340 0
AE 4190	934 702 380 0
AE 4190	934 702 302 0
AE 4404	934 702 260 0
AE 4422	934 714 008 0
AE 4422	934 702 320 0
AE 4448	934 702 223 0
AE 4510	934 705 005 0
AE 5102	434 014 000 0
AS 3002	971 002 150 0
AS 5200	471 005 020 0
BR 4370	475 713 500 0
BR 4410	475 710 000 0
BR 4411	475 710 020 0
BR 4412	475 710 003 0
BR 4421	475 710 036 0
BR 4423	475 710 007 0
BR 4439	475 710 012 0
BR 4439	475 710 013 0
BR 4444	475 710 014 0
BR 4454	475 710 016 0
BR 5503	475 711 *** 0
BR 5522	475 714 500 0
BR 5611	475 710 012 0
BR 5611	475 710 013 0
BR 5611	475 710 011 0
BR 9131	472 195 004 0
BR 9200	472 195 020 0
BS 3536	423 106 700 0
BS 3537	423 106 701 0
BS 9397	925 464 452 0
BS 9406	925 460 011 0
BS 9503	925 461 050 0
BS 9503	925 461 052 0
BS 9504	925 421 715 0
BY 7225	425 327 067 0
BY 7226	425 327 064 0
BY 7226	425 327 200 0
BY 9314	425 457 100 0
BY 9400	425 433 200 0
BZ 3108	423 142 002 0
BZ 3108	423 042 002 0
BZ 3214	423 043 004 0
BZ 3214	423 143 004 0
BZ 3464	423 105 111 0

CROSS REFERENCE

KNORR	WABCO
BZ 4202	421 311 004 0
BZ 7114	425 326 052 0
BZ 7114	425 326 002 0
BZ 7318	925 324 100 0
BZ 7319	925 324 300 0
BZ 7319	925 324 310 0
BZ 7320	925 324 300 0
BZ 7320	925 324 310 0
BZ 7418	925 320 500 0
BZ 7420	925 320 139 0
BZ 7443	925 320 701 0
BZ 7443	925 420 701 0
BZ 7575	925 321 703 0
BZ 9301	925 424 100 0
BZ 9406	925 320 701 0
BZ 9406	925 420 701 0
BZ 9502	925 421 701 0
BZ 9512	925 421 750 0
BZ 9513	925 421 751 0
BZ 9513	925 421 752 0
BZ 9514	925 421 752 0
BZ 9657	890 110 353 0
DB 1116	475 010 010 0
DB 1151	475 015 004 0
DB 1206	475 015 001 0
DB 2111	975 001 000 0
DB 2114	473 301 000 0
DB 2116	473 301 003 0
DB 2135	975 001 001 0
DB 2135	975 001 000 0
DB 2139	975 002 017 0
DPM 22 A	961 723 125 0
DPM 47 A	961 702 014 0
DPM 92 B	961 723 019 0
DPM 95 AAX	961 723 104 0
DPM 96 BAX	961 723 405 0
DPM23A	961 723 028 0
DPM80AX	961 722 266 0
DPM80AX	961 722 254 0
DPM80AX	961 722 157 0
DPM80B	961 722 241 0
DPM85AX	961 722 291 0
DPM85AX	961 722 280 0
DPM90CK	961 723 118 0
DPM95AAX	961 723 117 0
DR 3200	975 300 110 0
DR 3500	975 303 460 0
DR 3500	975 303 473 0
DR 3502	975 303 461 0
DR 3502	975 303 474 0
DR 3510	975 303 060 0
DR 3510	975 300 0980
DR 4230	434 100 220 0
DR 4340	434 100 122 0
DR 4345	434 100 124 0
DX70C	461 315 008 0
DX70C	461 315 042 0
DX70C	461 315 018 0
EE 1100	934 300 003 0

KNORR	WABCO
EE 4101	934 301 004 0
EE 4101	434 300 000 0
HB 1136	961 701 110 0
HB 1140	961 703 001 0
HB 1142	961 721 004 0
HB 1143	961 721 004 0
HB 1167	961 722 233 0
HB 1168	961 722 232 0
HB 1170	961 722 230 0
HB 1179	961 722 258 0
HB 1189	9610722 262 0
HB 1190	961 722 158 0
HB 1190	961 722 255 0
HB 1201	961 722 252 0
HB 1203	961 755 250 0
HB 1350	961 721 040 0
HB 1500	961 723 100 0
KU 1310	952 200 021 0
KU 1311	952 200 022 0
KU 4124	952 200 221 0
KU 4128	952 200 222 0
KY 2248/1	475 702 022 0
KY 982/2	475 701 020 0
LA 2103	432 500 020 0
LA 6221	432 410 101 0
LA 6221	432 410 202 0
LA 6221	432 411 101 0
LA 6222	432 410 111 0
LA 6700	432 420 001 0
LA 6700	432 420 002 0
LA 6700	932 002 000 0
LA 6707	432 420 002 0
LA 6734	432 421 008 0
LA 8206	432 410 043 0
LA 8206	432 410 114 0
LA 8206	432 410 117 0
LA 8207	432 410 115 0
LA 8209	432 410 117 0
LA 8211	432 410 113 0
LA 8219	432 410 023 0
LA 8228	432 410 101 0
LA 8234	432 410 003 0
LA 8234	432 410 028 0
LA 8234	432 410 029 0
LA 8234	432 410 007 0
LA 9001	932 400 001 0
LK 1300	411 040 845 0
LK 1300	411 040 845 0
LK 1500	411 041 845 0
LK 1500	411 140 845 0
LK 1900	411 043 845 0
LK 1900	411 143 845 0
LK 1901	411 141 845 0
LK 3904	411 143 881 0
LK 3904	411 043 881 0
LK 3904	411 143 881 0
LK 3908	411 147 055 0
LP 1550	411 003 000 0
LP 1550	411 003 011 0

CROSS REFERENCE

KNORR	WABCO
LP 1828	411 034 501 0
MB 4415	461 482 095 0
MB 4415	461 482 099 0
MB 4434	461 313 050 0
MB 4434	461 313 055 0
MB 4630	461 315 008 0
MB 4654	461 319 270 0
MB 4657	461 319 271 0
MB 4661	461 319 250 0
MB 4679	461 319 090 0
MB 4711	461 310 350 0
MB 4730	461 317 008 0
MB 4745	461 318 003 0
MB 4757	461 319 271 0
MB 4803	461 319 089 0
MB 4804	461 319 088 0
MB 4805	461 315 088 0
MB 4806	461 315 089 0
OR 30030002	973 500 000 0
OR 30030003-6	973 500 014 0
RE 1110	973 001 010 0
RE 1115	973 001 020 0
RE 1121	973 001 220 0
RE 1126	973 001 221 0
RE 2221	473 017 000 0
RE 2221	473 017 004 0
RE2224	473 017 000 0
SMP2A	473 302 000 0
SMP2B	473 302 001 0
SV 1288	464 002 420 0
SV 1294	464 002 532 0
SV 1307	464 002 330 0
SV 1318	464 004 000 0
SV 1395	464 006 002 0
SV 1410	464 006 002 0
SV 1410	464 006 100 0
SV 1411	464 002 530 0
SV 3111	463 074 000 0
SV 3111	463 032 000 0
SV 3302	463 028 160 0
SV 3302	463 028 111 0
SV 3360	463 046 004 0
SV 3371	463 046 100 0
SV 8100	471 401 010 0
SZ 1114	421 429 003 0
SZ 1750	425 324 000 0
VE 1415	433 302 025 0
VE 1426	433 302 014 0
VG 3200	970 051 111 0
VG 3204	970 051 104 0
VG 3204	970 051 114 0
VG 3204	970 051 126 0
VG 3208	970 051 132 0
VG 3229	970 051 164 0
VG 3261	970 051 414 0
VG 3262	970 051 406 0
VG 3361	970 051 147 0
VPS 48 HI	934 713 003 0
ZB 3150	432 407 000 0

KNORR	WABCO
ZB 3163	432 407 011 0
ZB 4187	411 033 801 2
ZB 4275	411 033 806 2
ZB 4275	411 999 806 2
ZB 4275	411 999 807 2
ZB 4275	411 033 806 2
ZB 4512	932 500 006 0

CROSS REFERENCE

BENDIX	WABCO
221121	SF 1280
274746	262625
284142	259617
295036	APSA 10028
295473	APSA 7282/19
KW 2966/2	APSA 2099/2
KW 718/2	SF 1800
KX 2068/5	APSA 7440/02

MAJORSELL	WABCO
230013	ASA1779
230014	ASA1780
230015	ASA5267
020006	PCSA 715
020015	P168
020016	P184
020023	PCSA 717
020027	ASA6247
020077	PCSA 718
050022	P1956
050022	P5845
050023	P1966
050026M	P1970
050034	P1980
050040	P1963
050041	P1973
050042	P5805
050043	P1955
050047	P1962
050048	P1960
050069M	P1958
050070	P1967
050073	P1975
050102	P5858
050166	P1972
070002	433 300 381 4
070012	433 300 383 4
080018	ASA5700
080021	897 130 794 4
402 130 060 8	ASA5487
407 131 050 8	A5905
I78098	ASA5430
I88057/0061	ASA5430-1
SAA67RK001B	ASA5281
SAA67RK001D	ASA6501
SAA67RK002	ASA6286
SAA67RK007	ASA5282
SAA67RK013	ASA5279
SAA67RK014A	ASA5280
SAA67RK015	ASA5273
SAA67RK022	ASA5410
SAA67RK026A	ASA5371
SAA67RK026B	ASA6315
SAA67RK027A	ASA5372
SAA67RK029	ASA6287
SAA68RK006A	ASA6201

MAJORSELL	WABCO
SAA68RK007	ASA6200
SAA68RK008A	ASA6354
SAA68RK019	ASA6359
SAA68RK024	ASA6202
SAA68RK028	ASA6199
SAA68RK029	ASA6353
SAA68RK032	ASA6355
SAA68RK038A	ASA6356
SAA68RK041	ASA6360
SAA68RK046	ASA6357
SAA68RK058A	ASA6361
SAA68RK061A	ASA6358
SAA69RK002A	GA28395
SAA69RK006	ASA5240
SAA69RK006	GA29129
SAA69RK010	GA28595
SAA69RK011	GA29281
SAA69RK020A	GA28784A
SAA69RK020G	ASA5288
SAA69RK020H	ASA5287
SAA69RK022A	GA28594
SAA69RK024A	GA28972
SAA69RK025A	GA29044
SAA69RK025G	ASA5294
SAA69RK026	GA29072
SAA69RK027A	GA29089
SAA69RK027B	ASA6500
SAA69RK027G	ASA5298
SAA69RK027H	ASA5297
SAA69RK032A	GA28290
SAA69RK033G	ASA5302
SAA69RK033H	ASA5301
SAA69RK036A	GA28444
SAA69RK036G	ASA5304
SAA69RK036H	ASA5303
SAA69RK037A	GA28765
SAA69RK037G	ASA5296
SAA69RK040G	ASA5284
SAA69RK040H	ASA5283
SAA69RK041A	GA28922
SAA69RK041G	ASA5290
SAA69RK041H	ASA5289
SAA69RK043G	ASA5300
SAA69RK043H	ASA5299
SAA69RK046G	ASA5292
SAA69RK046H	ASA5291

CROSS REFERENCE

MAJORSELL	WABCO
SAB63RK002	ASA6207
SAB63RK002A	ASA6204
SAB63RK003A	ASA6364
SAB63RK004	ASA6409
SAB63RK005A	ASA6205
SAB63RK009A	ASA6210
SAB67RK002A	ASA5391
SAB67RK003A	ASA5393
SAB67RK003B	ASA5395
SAB67RK007A	ASA5735
SAB67RK011A	ASA5736
SAB67RK013A	ASA5394
SAB67RK017A	ASA5245
SAB67RK023A	475 304 004 2
SAB67RK028A	ASA5698
SAB67RK030A	ASA6395
SAB67RK033A	482 410 001 2
SAB68RK013A	ASA6538
SAB68RK014A	ASA6394
SAB69RK001A	ASA5733
SAB69RK001A	GA29209
SAB69RK002A	ASA5734
SAB69RK002A	GA28716
SAB69RK003	ASA6350
SAB69RK004A	GA28865
SAB69RK006A	ASA5737
SAB69RK007A	262967
SAB69RK013	GA28392
SAC67RK001A	ASA5703
SAC67RK002A	925 320 001 2
SAC67RK002A	ASA5704
SAC68RK001A	ASA5941
SAC68RK002	ASA5862
SAC68RK003	ASA5863
SAC68RK005A	ASA5551
SAC69RK007A	A5799
SAD63RK002A	ASA6366
SAD63RK003A	ASA6212
SAD63RK011A	ASA6549
SAD67RK001	975 002 000 2
SAD67RK001A	ASA5198
SAD67RK004A	ASA5381
SAD67RK005A	473 017 000 2
SAD67RK008	971 002 006 2
SAD67RK009A	971 002 003 2
SAD67RK014A	ASA5741
SAD67RK024A	ASA5220
SAD67RK027A	473 017 000 2
SAD69RK002	263945
SAD69RK003A	ASA5348
SAE67RK011A	ASA5699
SAE67RK014	482 410 000 2
SAE68RK003	ASA6348
SAE68RK004	ASA6349
SAE69RK001A	GA29008
SAF63RK001A	ASA6443
SAF67RK001A	970 051 002 2
SAF67RK002A	970 051 903 2
SAF67RK004	970 051 905 2

MAJORSELL	WABCO
SAF67RK005	970 051 906 2
SAF67RK006	970 051 904 2
SAF69RK002	GA29317
SAF69RK102	710447
SAF69RK103	GA29149
SAF69RK105	710175-1
SAF69RK106	710176-2
SAH63RK001	ASA6222
SAH67RK001A	ASA5222
SAH67RK006A	ASA5324
SAH67RK010A	ASA5221
SAH67RK012A	961 722 003 2
SAH67RK014A	961 722 002 2
SAH67RK016A	961 721 004 2 (OLD)
SAH67RK018A	961 721 004 2 (NEW)
SAH67RK103A	961 722 004 2
SAH68RK004A	ASA6284
SAH68RK006A	ASA6362
SAH69RK001A	GA28997
SAH69RK005A	ASA5740
SAH69RK005A	GA29161
SAH69RK009A	262965W
SAJ63RK001A	ASA6550
SAJ63RK002A	ASA6363
SAJ67RK001A	ASA5196
SAJ67RK003A	ASA5309
SAJ67RK005A	ASA5706
SAJ67RK011A	ASA6669
SAJ67RK013A	ASA5197
SAJ67RK015A	ASA6668
SAJ68RK011	ASA6368
SAJ69RK001A	ASA5745
SAJ69RK001A	GA28627
SAJ69RK003A	ASA5747
SAJ69RK006A	ASA5743
SAJ69RK006A	GA29345
SAJ69RK009A	ASA5746
SAJ69RK011A	GA29141
SAK69RK175	GA29204
SAK69RK1875	GA29205
SAM69RK475	GA28694
SAM69RK525	GA28693
STW63535MB	ASA5578
STW63787	ASA6347

FITTING CATALOGUE

GENERAL/ COMPRESSION FITTINGS

1	UNIONS	16	SOCKETS
2	ELBOW UNIONS	17	STEEL WASHERS
3	TEE UNIONS	18	ADAPTERS
4	BULKHEADS STRAIGHT	19	TEST CONNECTORS
5	O - RINGS	20	REDUCERS
6	THRUST RINGS	21	COPPER WASHERS
7	ALUMINIUM WASHERS	22	STRAPS
8	KORS (UNION SWIVEL ADAPTERS)	23	PIPE NUTS
9	NIPPLES	24	CUTTING RINGS
10	LINE CONNECTORS	25	STEEL PIPES
11	HOSE TAILS	26	PIPE CLAMPS
12	NYLON INSERTS		
13	PLUGS		
14	LOCKNUTS		
15	BOLTS		

1 UNIONS			
893 800 294 0	M10 -06	893 801 000 0	1/8"BSP-06
893 800 304 0	M10 -08	ASA6548	1/8"BSP-08LL
ASA6794	M10 -12 flagged for deletion	ASA1375	1/8"NPT-08 NLA
893 800 014 0	M12 -06	ASA1086	1/8"NPT-012
893 800 234 2	M12 -08	ASA5178	1/8"FEM-06
893 800 044 0	M12 -010	ASA6729	1/8"- 1/4"union
893 800 984 0	M12 -012	ASA6711	1/8"NPT-010 (BR)
893 800 064 0	M14 -06	893 800 354 0	1/4"BSP-010
893 800 244 0	M14 -08	ASA5341	1/4"BSP-012
893 800 073 0	M14 -010	893 800 371 0	1/4"BSPT-06
1677039	M14 -012	893 800 904 0	1/4"NPT-08
893 809 010 0	M16-06	ASA1347	1/4"NPT-010 N/S
893 809 020 0	M16-08	893 801 314 0	1/4"NPT-012
893 801 994 0	M16-010	ASA933	1/4"NPT-012
893 800 974 0	M16-012	ASA1437	3/8"BSP-012 N/S
893 800 364 0	M16-015 N/S	ASA1790	3/8"NPT-010 (S)
ASA5625	M16 -015 N/S	ASA5208	3/8"NPT-012
893 800 022 0	M22 -06	ASA932	3/8"NPT-012
893 800 224 0	M22 -08	ASA5322	1/2"BSP-015 N/S
893 800 109 0	M22 -010	ASA5530	1/2"NPT-010
893 800 964 0	M22 -012	ASA5182	1/2"NPT-012
ASA1250	M22 -016	ASA930	1/2"NPT-012 (BR)
893 800 033 0	M22-015 Long nut and body	ASA5315	1/2"NPT-015
ASA5223	M22-015 Short nut and body	ASA5975	1/2"NPT-018
ASA5726	M22 -18	ASA505	1/2"NPT-1/2"
ASA555	M22 -1/2"	ASA6376	1/2"BSP-018"
893 810 020 0	M22 FEM-06	ASA506	3/8"NPT-1/2"Pipe N/S
893 800 264 0	M26-015 Long Nut and Body	ASA1160	M22-1/2" Pipe B/H N/S
ASA7077	M26-015 Short Nut and Body	APSA1925	1/4"NPT-3/8"PIPE
893 800 254 0	M26-018 Long Nut Stoss	ASA5366	1/2"BSP-012B/H
ASA6223	M12X1-08	ASA959A	1/4"BSP-06
ASA1000	M22-012 B/H N/S	ASA936	1/4"-010
893 821 224 0	M22-012 B/H	ASA1025	3/8"NPT-015
893 800 008 2	M22-012	ASA1009	1/2"-012 B/H Brass
893 800 154 0	M22-018 Stoss	ASA931	1/2"NPT-012
893 800 033 0	M22-015 Long nut and body	ASA5128	1/2"BSP-012
ASA993	M22-012	ASA992	1/2"BSP-012 B/H
ASA6632	M16-010 Self sealing	893 800 144 0	1/2"BSP-015 Long Nut N/S
ASA6759	M12X1-08	ASA952	1/4"NPT-06
		893 800 344 0	1/4"NPT-015 Long Nut
		A5919	Pipe Adapter Union
		893 800 324 0	1/2"BSP-018 Long Nut
		ASA5178	1/8"(Female)-06
		ASA6711	1/8"BSP-010
		ASA5806	1/8"NPT-06
		ASA6729	1/8"NPT-1/4"PIPE
		893 800 134 0	3/8"NPT-010
		A6196	3/8"BSP-08
		ASA6766	1/4"NPT-1/4"PIPE
		ASA6764	1/4"NPT-3/8"PIPE
		ASA6768	1/8"BSP-3/8"
		ASA6769	1/4"(Fem)-3/8"

2 ELBOWS

ASA6793	M10 -012	ASA6579	1/4"NPT-08	N/S
8938300140	M12-06	ASA5214	1/4"NPT-010	N/S
8938301040	M12-08	ASA5313	1/4"NPT-012	
8938300240	M12-010	ASA2013	3/8"BSP-010	
ASA6505	M14-08	ASA2014	3/8"BSP-012	
ASA6503	M16-08	ASA961	1/4"NPT-010	N/S
8938304710	M16-10 B/H	ASA5380	1/4"(Male)-1/4"(Female)	
8938302140	M16-012 B/H	APSA2769	1/2"NPT-5/8"PIPE	
8938307700	M22-08	ASA1105	1/8"NPT-012	
8938304410	M22-010	ASA1026	1/4"NPT-08	N/S
8938302040	M22-012 B/H	ASA963	1/4"NPT-012	
ASA5260	M22-016	ASA5397	3/8"NPT-012	N/S
8938300420	M22-015	ASA1235	1/4"NPT-06	
8938300540	M22-018	ASA6728	1/2"NPT-010	
8938300910	M26-015 LONG NUT B/H	ASA1435	3/8"NPT-012	
ASA7083	M26-015 SHORT NUT	ASA965	1/2"NPT-012 Brass	N/S
8938900630	M22(male)-M22(Female)	ASA5312	1/2"NPT-012 Steel	
8938300840	M26-018	ASA1222	1/2"NPT-015	
ASA5225	M22-015 SHORT NUT	ASA705	3/8"NPT-3/8PIPE	
ASA1795	M12-06 B/H	224318	1/4"-1/4"PIPE	
ASA6372	M26-016	ASA704	1/4"NPT-3/8"PIPE	
ASA6505	M14-08	ASA6579	1/4"NPT-08	
8938300340	M14-010	ASA964	3/8"NPT-012	
ASA1261	06SW-06	ASA959	1/4"NPT-06	
ASA1476	08SW-08	ASA1237	1/8"NPT-06	
ASA1342	010SW-010	ASA1374	1/8"NPT-08	
ASA1258	012SW-012	A6197	1/2"BSP-08	
8938400340	06-06 B/H			
ASA1263	08-08 B/H			
ASA1262	010-010 B/H			
8938401040	012-012 B/H			
ASA1204	018-018 B/H			

3 TEE

8938600140	06-06-06	ASA1336	06SW-06-06	
8938601440	08-08-08	ASA1345	06-06SW-06	
8938600530	010-010-010	ASA5443	08SW-08-08	
8938603740	012-012-012	ASA5242	08-08SW-08	
8938600940	015-015-015	ASA1504	010SW-010-010	
ASA5549	016-016-016	ASA1348	010-010SW-010	N/S
8938601940	08-06-08	ASA1260	012SW-012-012	
8938603940	012-06-012	ASA1259	012-012SW-012	
8938503240	M22-012-012	ASA5258	012SW-06-012	
8938503940	M22-M22-012	ASA5207	012SW-TEST-012	
ASA969	012-1/4"(F)-012	ASA1344	012-012B/H-012	
A844	1/4"(F)-1/4"(F)-1/4"(F)	893 850 484 0	012-M16-012	
A636	1/4"(M)-1/4"(F)-1/4"(F)	893 850 314 0	012-M22-012	
A637	3/8"(M)-3/8"(F)-3/8"(F)	ASA6279	Hyd Test M12x1	
ASA5956	012-08-012	ASA6311	012-1/4"BSP(Female)-012	N/S
A1012	1/2" HOSE TEE Steel	ASA1021	012-012-3/8"NPT (Male)	
ASA927	012-3/8"NPT (M)-012	ASA921	012-012-012	N/S
ASA5414	1/8"(M)-1/8"(F)-1/8"(F)	893 500 044 4	M22-M22-M22	
ASA748	3/8" TEE	221979	1/4"-1/4"-1/4"	N/S
ASA1031	08-08-08	ASA5399	016-016-016	N/S
8935005944	M18-M18-M18			
8938506600	M16-012-012			

4 BULKHEAD STRAIGHT

8938213900	06-06	893 821 234 0	M16-012	8938212340
1677033	08-08	893 103 900 4	M16-M22	8931039004
ASA5255	08-08	893 821 224 0	M22-012	8938212240
8938201600	010-010	893 821 244 0	M22-015	8938212440
8938205740	012-012	893 890 014 0	M22-M22	8938900140
8938200700	015-015	893 890 040 0	M22-1/2"BSP	8938900400
ASA5366	1/2" - 012	A6188	1/4"-1/4"	A6188
ASA991	1/2"Hose Tail - 012 Union			
A588	Standpipe 12mm - 1/2"Hose Tail			
A6199	Standpipe 12mm - 1/2"Hose Tail			

5 O-RINGS		6 THRUST RINGS	
8970711104	M12	893 030 060 4	M10
8977700704	M14	893 030 070 4	M12
8977702504	M16	893 030 080 4	M14
8977702504	M18	893 030 170 4	M16
8970804004	M22	893 030 020 4	M18
8977705304	M26	893 030 040 4	M22
		893 030 090 4	M26
		893 030 014 4	M15

7 ALUMINIUM WASHERS		8 KORS (SWIVEL)	
8114010084	M6	ASA5252	08-06
8114011724	M10	ASA5259	010-06
8114010324	M12	ASA1267	012-06
8114010454	M14	ASA1351	012-08
8114010574	M16	ASA1350	012-010
8114010664	M18	ASA5398	016-06
8114010804	M22	ASA5490	016-012
8114011004	M26		

9 NIPPLES			
8931000354	M22-M22 Hex	A60	1/4"NPT - 1/4"NPT
8931001644	M22-1/2"BSP	A6217	1/2"NPT - 1/2"NPT
8931800344	M16 (Male)-M22 (Female)		

10 LINE CONNECTORS		11 HOSE TAILS	
8938200120	06-06	A24	3/8"NPT - 1/2" HOSE - short
8938201340	08-08	893 120 414 4	M16-1/2" HOSE
8938200240	010-010	A6735	3/8"NPT - 1/2" HOSE Steel Replaces A24
8938205640	012-012	A646	M22 -1/2" HOSE
ASA5231	015-015 short nut replaces 8938200610	A588	Adapter hose stem pipe 12mm- 1/2"
8938205740	012-012 B/H	A25	1/4"BSPT - 1/2" HOSE
8938200700	015-015 short nut B/H	A23	1/2"BSPT - 1/2" HOSE
ASA5261	016-016 Short Nut	8931201704	M22 x 13mm Hose
8938200840	018-018 Long Nut	8931204714	for test point
ASA5237	018-018 Short Nut		
205514	1/4"-1/4"		
ASA6188	1/4"-1/4"B/H		

12 NYLON INSERTS			
8930402104	06 X 1.5	246088	1/4"
8930402204	08 X 1.5	246089	3/8"
8930402304	10 X 1.5	246090	1/2"
8930402404	12 X 1.5	A818	1/2" SUZI
8930402504	15 X 1.5	ASA5974	04
A5798	16 X 1.5 N/S		
8930402604	18 X 1.5		

13 PLUGS			
8109030084	M10 N/S	A6113	1/8"BSP
8930100304	M12	A174	1/8"NPT
8930100104	M14	A31	1/4"NPT
8930100114	M14	A30	3/8"NPT Brass
8930117104	M16	A29	1/2"NPT Brass
8930117114	M16	A27	1/2"BSP
8109040044	M16 Fine Thread	A28	3/4"NPT
8930100204	M22		
8930102304	M26		

14 LOCKNUTS		15 BOLTS	
5000110	M5	5000186	M5x25mm
5000484	M6 NYLOC	5000240	M6x18mm
A6001	M8 NYLOC	5000242	M6x20mm
5000112	M8	5005520	M6x45mm
5000113	M10	5000253	M8x1.25x35mm
8103150024	M12	5000250	M8x20mm
8103150034	M14	5000141	M10x20mm
8103150044	M16	A5668	M12x1,5mm Air Dryer
8103040314	M16 BOOSTERS	A5669	M12x1,75mm Reservoir
8103150054	M18	A5999	M8x60mm
8915004544	M22	A6000	M8x25mm
8915004644	M26		
8915005204	M28		

16 SOCKETS			
8932402244	M12	W103/8	1/2"NPT BRASS
8932400504	M22-1/2"BSP	ASA5595	1/4"
8933000124	M22 SHORT	A6056	M22 -1/2"NPT
8933000114	M22 LONG		

17 STEEL WASHERS		18 ADAPTERS	
5000222	M6 FLAT	A6112	1/2"(M)-3/8"(F)
5000131	M8 FLAT	ASA5385	06L C/W NUTS NLA
5000122	M10 FLAT	ASA6251	06L TAIL ONLY
A5872	M18 FLAT	ASA5405	08L TAIL ONLY
8951049304	M26 FLAT	ASA6373	08L C/W NUTS NLA
5000582	M5 SPRING	ASA5386	10L C/W NUTS NLA
5000583	M6 SPRING	ASA5387	12L C/W NUTS NLA
5000584	M8 SPRING	ASA5388	16L C/W NUTS NLA
5000585	M10 SPRING	A5795	M22-M22 VOSS NLA
5000587	M14 SPRING	A5792	M16-M22 VOSS NLA
8104200104	M16 SPRING	A5793	M22-M16 VOSS NLA
A5821	M28 FLAT	A6178	3/8"NPT (M)-1/"NPT (F) NLA
		893 180 184 4	M22 (M)-1/2" (F)
		893 180 274 4	M16 (M)-1/2" (F)
		893 180 034 4	M16(M) - M22(F)

19 TEST CONNECTOR		20 REDUCERS	
4637051020	1/4"NPT MALE	893 180 880 4	M26 (M)-M22 (F)
4637031060	M14 FEMALE	A5379	M16 - 3/8"NPT
ASA5254	M16 FEMALE	A39	1/2" (M) - 1/4" (F)
4637031030	M16 MALE	A5414	M16 (M) - 1/4" (F)
4637031070	M18 FEMALE	893 181 184 4	M22 (M) - M16 (F)
4637030070	012-TEST-012 TEE N/S	A34	3/4"NPT (M) - 1/2"NPT (F)
ASA5207	012SW-TEST-012 TEE	A36	3/8"NPT (M) - 1/4"NPT (F)
ASA5867	VOSS TEST POINT	A499	M22 (M) - 3/8"NPT (F)
8937839404	RUBBER DUST BOOT COVER	A498	M22 (M) - 1/4"NPT (F)
ASA6279	HYD TEST TEE	A673	M22 (M) - 1/2"NPT (F)
ASA7096	08-TP-08 TEE	A672	1/2"NPT (M) - M22 (F)
463 703 116 0		A5414	M16 (M) - 1/4" (F)
		A5379	M16 (M) - 3/8" (F)
		893 180 040 4	M16 (M) - M12 (F)
		A6181	1/8" (M) - 1/4" (F)
		A6233	1/4"NPT (M) - 1/8" (F) N/S
		A35	1/2"-3/8"

21 COPPER WASHERS		22 STRAPS	
A5764	M12	A900	Clear Spiral Binding
A5371	M14	A900/B	Black Spiral Binding
A5530	M16	A1134	Plastic Straps 200mm (100Qty)
A5531	M18	A6153	Plastic Straps Heavy Duty 395mm (50Qty)
SF240/4	1/2"		

23 PIPE NUTS		24 CUTTING RINGS	
8930700544	06	893 050 014 4	06
8930701044	08	893 050 054 4	08
8930700744	010	893 050 024 4	010
8930708344	012	893 050 144 4	012
8930701744	015 SHORT	894 050 034 4	015
8930700654	015 LONG	A5554	016
8930700844	018 LONG	893 050 040 4	018
		A488	012 Brass

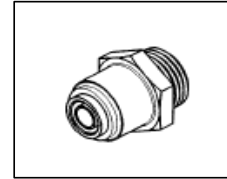
25 STEEL PIPES		26 PIPE CLAMPS	
8201205536	06	893 511 110 4	06
8201205016	08	893 511 030 4	08
8201205046	010	893 510 990 4	010
8201105046	012 (PHOS.)	893 511 000 4	012
8201105036	012 (GALV.)	893 511 010 4	015
A3005/BU/6MM	06 BUNDY TUBE	893 511 020 4	018
8201205726	015 (PHOS.)	A5370	1/2" Hose Clamp
8201205816	015 (GALV.)	A3626	1/2" Hose Clamp
8201205736	018 (GALV.)	A6720	20-22mm Bolt clamp Best
A3005/S/16MM	016	A6183	1/2" Hose Clamp
A5851	016 STAINLESS		
A3005/BU/12MM	012 BUNDY TUBE		

PUSH IN FITTINGS

1	STRAIGHT UNIONS	9	MALE BULKHEAD BARREL TEE BLOCK
2	BULKHEAD UNIONS	10	MALE BULKHEAD STUD BLOCK
3	BULKHEAD ELBOWS	11	MALE BULKHEAD ELBOW BLOCK
4	TEES	12	FEMALE TEE BLOCK
5	BRANCH TEES (ASSEMBLED)	13	MALE BULKHEAD TEE BRANCH BLOCK
6	BARREL TEES (ASSEMBLED)	14	VARIOUS
7	TEST POINT TEES (ASSEMBLED)		
8	LINE CONNECTORS		

1 STRAIGHT UNIONS

4100916M		M12 - 6mm
8938000022	**	M16 - 12x1.5 mm (8938034300, 4100915M)
8938000082	**	M22 - 12x1.5 mm (8938034400, 4100914M)
8938000042	**	M22 - 15x1.5 mm (8938037800, 4101056M)
8938000072	**	M12 - 8x1 mm (8938034900, 4100888M)
8938000052	**	M22 - 8x1 mm (8938034000, 4100913M)
8938000012	**	M16 - 8x1 mm (8938035400, 4100911M)
8938034200		M22 - 10x1 mm
8938034100		M16 - 10x1 mm
8938039900		M26 - 15x1.5 mm
8938000052	**	M16 - 16 x 1
	**	With this type of fitting the pipe is removable using a tool
8997000014		8x1 removal tool
8997000024		12 x 1.5 removal tool
8997000034		15 x 1.5 Removal



2 BULKHEAD UNIONS

ASA7098		M16 - 12mm (8938216700)
ASA7100		M22 - 12mm (8938216800)
ASA7099		M22 - 08mm
ASA7123		M22 - 08mm 18mm body
ASA7124		M22 - 12mm 18mm body

Gerade Schott-Verbinder
Straight Bulkhead Connector
Material : Messing/ Brass

3 BULKHEAD ELBOWS

8938312500		M22 - 08mm
8938219300		M22 - 10mm
8938219500		M22 - 12mm (ASA7101)
8938312400		M12 - 08mm (ASA7102)
8938219700		M16 - 08mm (ASA7103)
8938313000		M22 - 15mm (ASA7101)

Winkel-Schott-Verbinder
Bulkhead Male Elbow Connector
Material : Messing/ Brass

4 TEES

8938620100		08-08-08 (ASA7105)
8938614500		12-12-12 (ASA7104)
8938614600		15-15-15 (ASA7106)

T-Durchgangs-Verbinder
Tee Connector
Material : Messing/ Brass

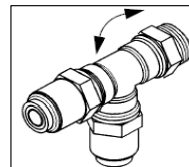
5 BRANCH TEES (ASSEMBLED)

ASA7107		012-M22-08 (8938510200)
ASA7109		012-M22-012 (8938509700)

T-Durchgangs-Verbinder
Tee Connector
Material : Messing/ Brass

6 BARREL TEES (ASSEMBLED)

ASA7108		M22-012-08 (8938510500)
ASA7110		M22-012-012
ASA7115		M12-08-08 (8938510600)



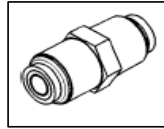
7 TEST POINT TEES (ASSEMBLED)

ASA7111		M22 - TP - 08
ASA7112		M22 - TP - 012 (4637030330)
ASA7113		M16 - TP - 012
ASA7114		M16 - TP - 08
ASA7097		M12 - TP - 08

Prüfanschluss
Test Coupling
Material : Messing/ Brass

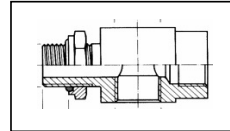
8 LINE CONNECTORS

4101066M	12mm - 12mm (8937700300)
4101064M	08mm - 08mm (8937700100)
8937700400	15mm - 15mm



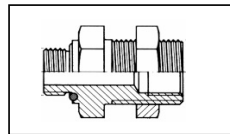
9 MALE BULKHEAD BARREL TEE BLOCK

4101087M	M22 - M16F - M16F
4101086M	M16 - M16F - M16F
4101083M	M12 - M12F - M12F



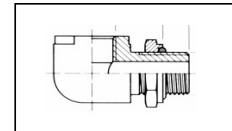
10 MALE BULKHEAD STUD BLOCK

4101005M	M22 / M22 - M16F B/H stud
4101017M	M16 / M22 - M16F B/H stud



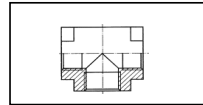
11 MALE BULKHEAD ELBOW BLOCK

4101105M	M22 - M16F B/H Elbow stud 4101105M
4101098M	M12 - M12F B/H Elbow stud 4101098M
4101103M	M16 - M16F B/H Elbow stud 4101103M



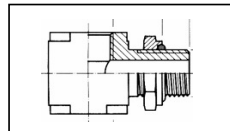
12 FEMALE TEE BLOCK

4100994M	M12F - M12F - M12F TEE Block
4100993M	M16F - M16F - M16F TEE Block
4101198M	M22F - M22F - M22F TEE Block



13 MALE BULKHEAD TEE BRANCH BLOCK

4101096M	M16F -M22 - M16F TEE Branch
4101095M	M16F -M16 - M16F TEE Branch
4101091M	M12F -M12 - M12F TEE Branch
A6605	3/8M - 1/4F - 3/8F TEE Branch
A6606	M16M -1/4F - 3/8F TEE Branch



14 VARIOUS

4101058M	M16 M Test point
4101057M	M12 M Test point
4101061F	M16 M Plug with Oring
4087057F	M22 M Plug with Oring
A6735	3/8" - 1/2" Hose Tail
4087055F	M16 - 1/2" Hose Tail with Oring
4087063F	M22 - 1/2" Hose Tail with Oring
ASA7127	M16M - 1/2" - 1/2" hose
8932090674	M16M-M12F Reducer
4100992M	M22 Bulkhead Stud ID M16 (No Locknut)
4101163M	M18 - M16 Socket
A6717	M16 - 1/2" Socket
8934010152	P5 x M16 Female plug on swivel Elbow
8931291922	P5 x M16 x1.5 Plug on Union
8931291932	P5 x M22 x1.5 Plug on Union

