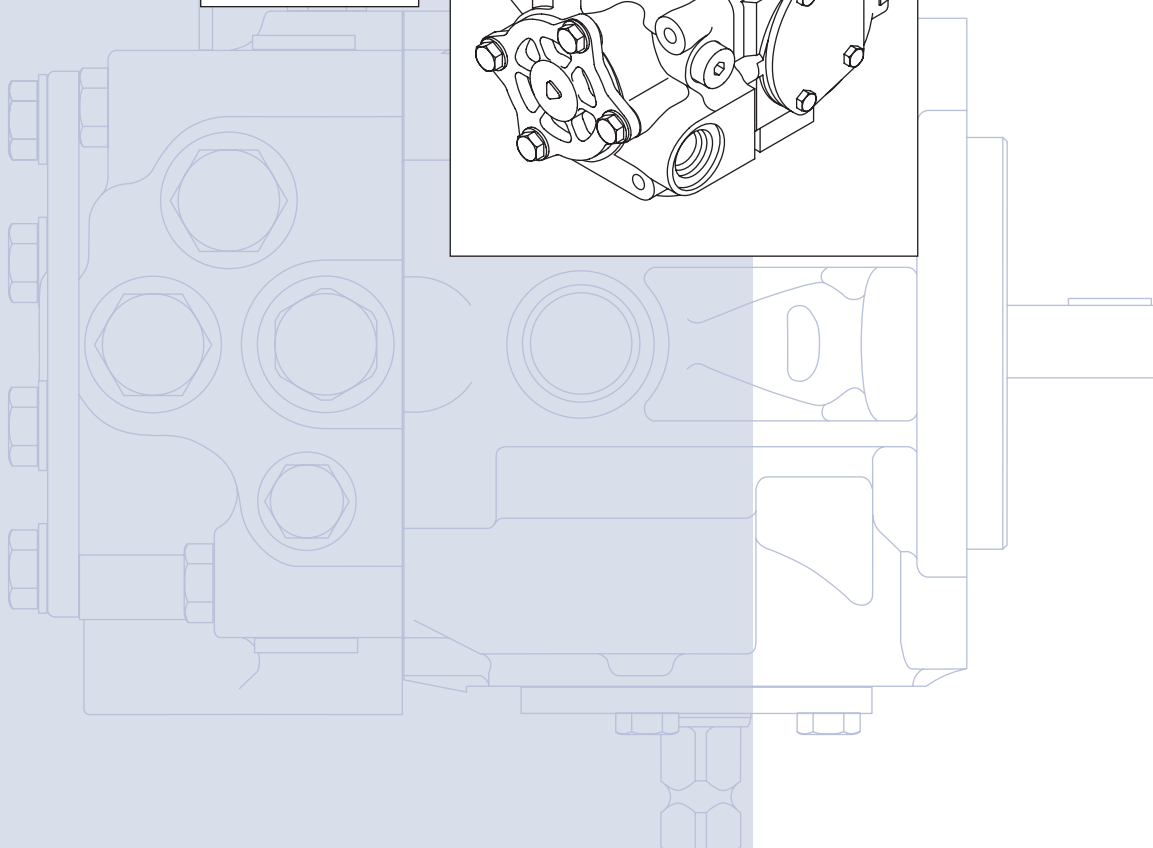
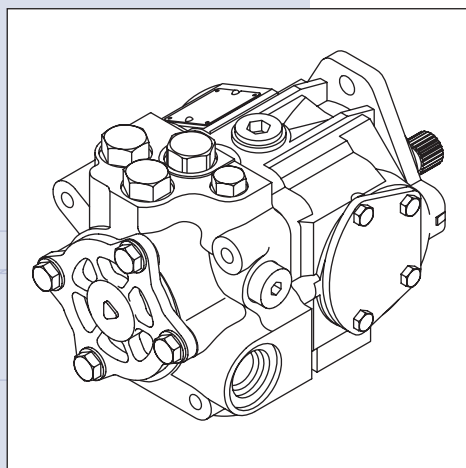
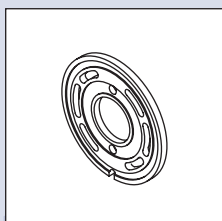
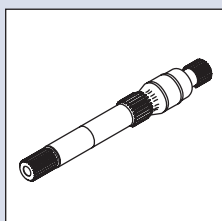
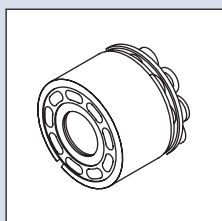


Series 40
MPV035D and
MPT035D
Axial Piston Pumps

Parts
Manual



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Front cover illustrations: P100 545, P100 625, P100 626, P100 627

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SERVICE PARTS IDENTIFICATION

Use this information and procedure to identify the module group, item number, manufacture date, part number, and part name of the parts included in the Series 40: M35 variable displacement pump. Use the parts listed when performing minor repairs, major repairs, or conversions on the Series 40: M35 pumps. Refer to BLN-9991 Service Manual when doing this.

NAMEPLATE

Each unit has a nameplate affixed to its housing. The nameplate includes this information:

Model Code

The Sauer-Danfoss model code defines the specific unit. Use it when ordering parts to service this product.

Model Number

The manufacturing factory uses Sauer-Danfoss' model number. On repeat orders, order a complete unit by the model number.

Serial Number

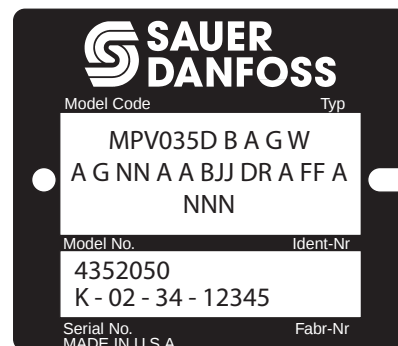
The Sauer-Danfoss serial number identifies the manufacture date and unit sequence in the build. The serial number also identifies the unit's warranty time period.

The letter code indicates the location of original manufacture (assembly). **K** indicates the unit was originally assembled in Lawrence, Kansas, USA.

The first number (2 digits) indicates the year of manufacture. (02 would indicate the unit was manufactured in 2002).

The second number (2 digits) indicates the calendar week of manufacture.

The third number (5 digits) is a sequential number used to identify a specific unit.



DATE CODE

The date code is the year and week of manufacture. The same item number may list more than one part number. This indicates that there is more than one configuration for that item number. You will see that there are different date codes for different part numbers. Find the date code of your unit on the nameplate to determine the service part number you need to order.

EXAMPLE: The service part desired is Item D02.

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
N	D02	02-48		5000664	Square key (SB-2002-021)	1
	D02	96-32	02-47	532432 (9003310-2514)	Woodruff key	1

All units using this order code with a date code of 96-32, up to and including 02-47, must use part number 9003310-2514. All units with a date code of 02-48, and newer, must use part number 5000664.

SERVICE BULLETINS

A Service Bulletin Number (SB-____-____) may follow the part name of the part you desire. Read that Service Bulletin before ordering that part. The information contained in these Service Bulletins, as of the print date, are at the end of this manual. Service Bulletins contain more detailed information such as interchangeability, what additional parts are involved, and so forth. We suggest that you add additional Service Bulletins to this manual as you receive them.

PROCEDURE TO IDENTIFY A PART

General

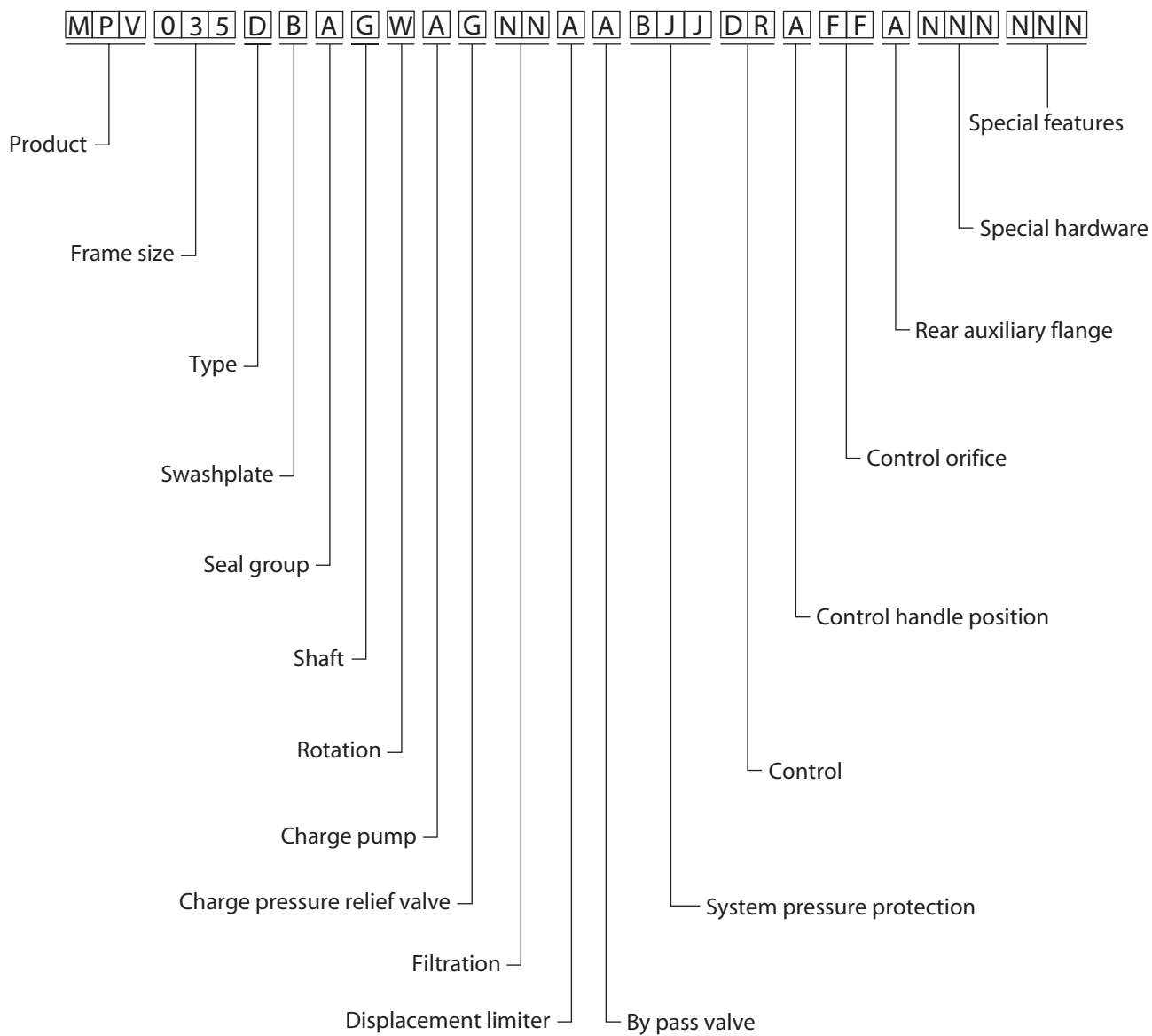
The modular design of Series 40 units results in a simplified service parts list and part number identification procedure. The same item numbers are used for same part names on all units within a product type. (Example: The lip seal, Item B02, has the same item number on all pumps.)

A part number that has another number following in parentheses makes this a world-wide manual. The first number is sold in Germany. The number in parentheses is sold in the United States. (Example: 701912 (9008000-0121); customers order 9008000-0121 if ordering the part in the United States.)

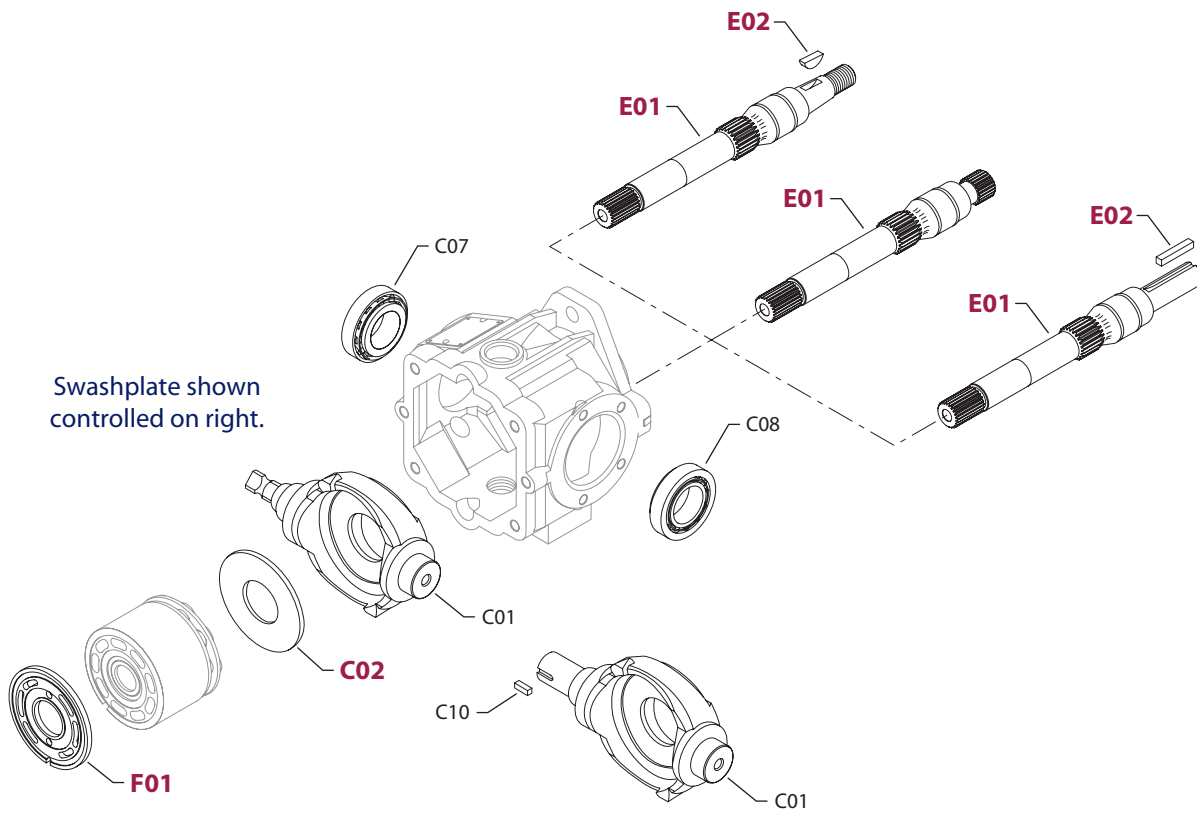
Example of a part identification

The nameplate on a Series 40 pump has an Order Code of MPV035D B A G W A G NN A A BJJ DR A FF A NNN. Do this to determine the part number of the drive shaft used on this pump:

- 1) Referring to the input shaft module in the Order Code (see page 7), the output shaft option for this pump is identified by the code **G** (MPV035D B A **G** W A G NN A A BJJ DR A FF A NNN)
- 2) Referring to the Service Parts List, find the shaft group.
- 3) Find the order code that relates to this unit, which is **G**.
- 4) The shaft is Item E01.
- 5) The part number 4350431.



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Enlarged **bold** type item numbers are recommended parts to stock for servicing.

SWASHPLATE

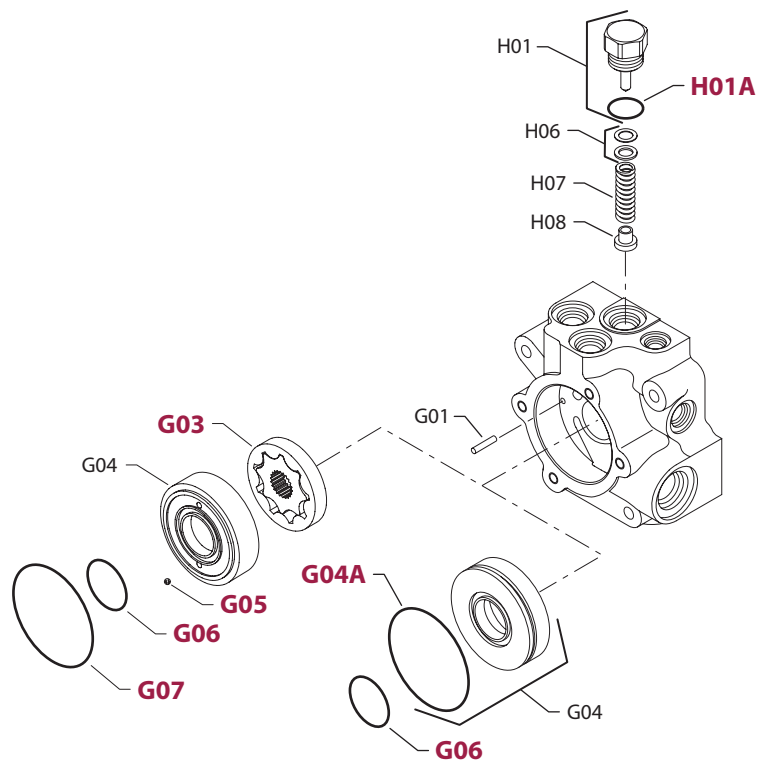
Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
B	C01	95-45		4350383	Swashplate	1
	C02	95-45		4350148	Thrust plate	1
	C07	95-45		4800470	Bearing kit	1
	C08	95-45		4800470	Bearing kit	1
G	C01	03-07		4350823	Swashplate, 24 mm diameter keyed, 14.6°	1
	C02	03-07		4350148	Thrust plate	1
	C07	03-07		4800470	Bearing kit	1
	C08	03-07		4800470	Bearing kit	1
	C10	05-05		1040275	Key	1
H	C01	03-07		4350822	Swashplate, 24 mm diameter keyed, 16°	1
	C02	03-07		4350148	Thrust plate	1
	C07	03-07		4800470	Bearing kit	1
	C08	03-07		4800470	Bearing kit	1
	C10	05-05		1040275	Key	1

SHAFT

A	E01	95-45		4350397	Shaft, 13-tooth spline	1
G	E01	95-45		4350431	Shaft, 15-tooth spline	1
N	E01	95-45		4350398	Shaft, tapered	1
	E02	95-45		532432 (9003310-2514)	Key, woodruff	1
Y	E01	95-45		4350399	Shaft, straight key	1
	E02	95-45		509647 (9003261-2524)	Key, square	1

ROTATION

2	F01	98-12		4350729	Valve plate, CCW, 4° index	1
4	F01	98-43		4440076	Valve plate, CCW, low force	1
5	F01	98-43		4440075	Valve plate, CW, low force	1
7	F01	98-12		4350728	Valve plate, CW, 4° index	1
L	F01	95-45		4350158	Valve plate, CCW	1
R	F01	95-45		4350157	Valve plate, CW	1
W	F01	95-45		4350322	Valve plate, CW, quiet	1
Y	F01	95-45		4350323	Valve plate, CCW, quiet	1



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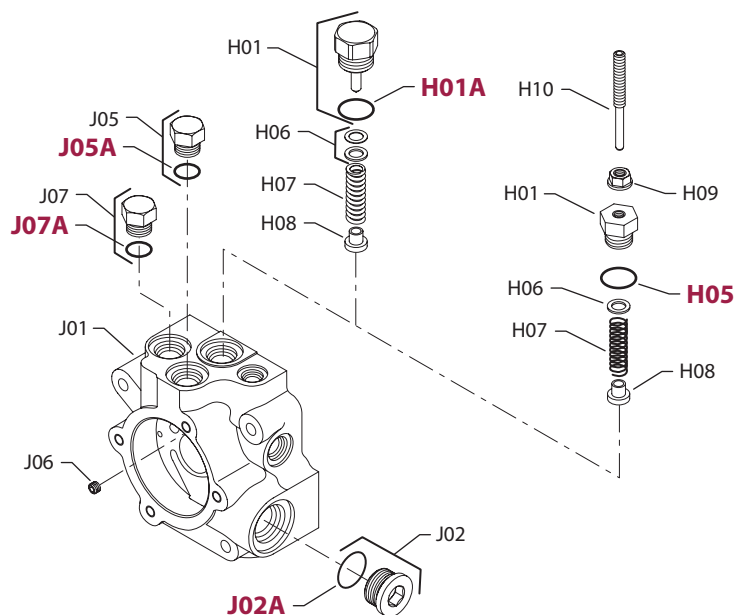
Enlarged **bold** type item
numbers are recommended
parts to stock for servicing.

CHARGE PUMP

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
A	G04	98-07		4800670	Spacer assembly	1
	"	95-45	98-06	4800179	Spacer	1
	G04A	98-07		673533	O-ring	1
	G06	98-07		5000352	O-ring	1
	G07	95-45	98-06	5000353	O-ring	1
S	G01	95-45		9004800-1908	Pin	1
	G03	95-45		4800170	Gerotor assembly	1
	G04	95-45		4800179	Spacer	1
	G05	95-45		018564 (9001210-1900)	Ball	1
	G06	95-45		5000352	O-ring	1
	G07	95-45		5000353	O-ring	1

CHARGE PRESSURE RELIEF VALVE/SETTING

C	H01	95-50		4800308	Plug assembly/18 bar [260 psi]	1
	H01A	95-50		001149 (9004201-6200)	O-ring	1
	H06	95-50		4510027	Shim kit	1
	H07	95-50		4800176	Spring	1
	H08	95-50		4800134	Poppet	1
E	H01	95-45		4800308	Plug assembly/11 bar [160 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		4800176	Spring	1
	H08	95-45		4800134	Poppet	1
F	H01	95-45		4800308	Plug assembly/7.5 bar [110 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		4800714	Spring	1
	H08	95-45		4800134	Poppet	1
G	H01	95-45		4800308	Plug assembly/14 bar [200 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		4800176	Spring	1
	H08	95-45		4800134	Poppet	1
H	H01	03-26		4800308	Plug assembly/14 bar [200 psi]	1
	H01A	03-26		001149 (9004201-6200)	O-ring	1
	H06	03-26		4510027	Shim kit	1
	H07	03-26		8800496	Spring	1
	H08	03-26		4800134	Poppet	1
M	H01	95-45		4800308	Plug assembly/28.3 bar [410 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		8800496	Spring	1
	H08	95-45		4800134	Poppet	1



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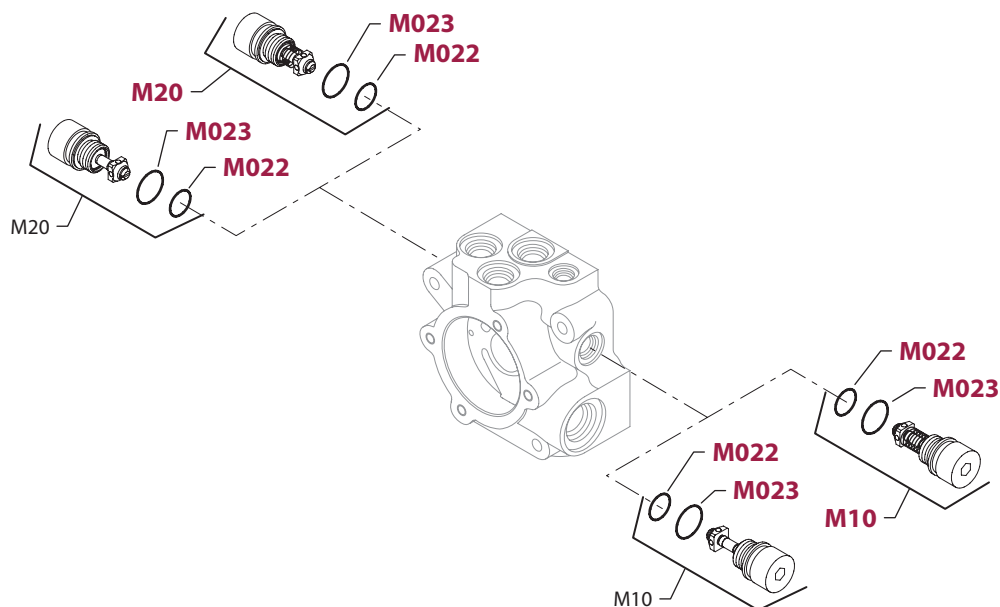
Enlarged **bold** type item
numbers are recommended
parts to stock for servicing.

CHARGE PRESSURE RELIEF VALVE/SETTING

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
N	H01	95-45		4800308	Plug assembly/9 bar [130 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		4800149	Spring	1
	H08	95-45		4800134	Poppet	1
P	H01	95-45	00-40	4350305	Plug, anti-stall	1
	H05	95-45	00-40	001149 (9004201-6200)	O-ring	1
	H06	95-45	00-40	356568 (9009625-0163)	Washer	1
	H07	95-45	00-40	8800496	Spring	1
	H08	95-45	00-40	4350299	Poppet	1
	H09	95-45	00-40	076042 (9003509-0012)	Nut	1
	H010	95-45	00-40	4350301	Antistall guide screw	1
R	H01	98-40		4800308	Plug assembly/6.2 bar [90 psi]	1
	H01A	98-40		001149 (9004201-6200)	O-ring	1
	H06	98-40		4510027	Shim kit	1
	H07	98-40		4800714	Spring	1
	H08	98-40		4800134	Poppet	1
S	H01	03-50		4350846	Plug assembly/18 bar [260 psi], low noise	1
	H01A	03-50		001149 (9004201-6200)	O-ring	1
	H06	03-50		4510027	Shim kit	1
	H07	03-50		4800176	Spring	1
	H08	03-50		1732454	Poppet	1
W	H01	99-28		4800308	Plug assembly/20 bar [290 psi]	1
	H01A	99-28		001149 (9004201-6200)	O-ring	1
	H06	99-28		4510027	Shim kit	1
	H07	99-28		4800176	Spring	1
	H08	99-28		4800134	Poppet	1

FILTRATION

AA	J01	95-45		4350257	End cap	1
	J05	95-45		001537 (9005100-8700)	Plug assembly	1
	J05A	95-45		001149 (9004201-6200)	O-ring	1
	J07	95-45		001537 (9005100-8700)	Plug assembly	1
	J07A	95-45		001149 (9004201-6200)	O-ring	1
BA	J01	95-45		4350257	End cap	1
	J06	95-45		001487 (9005001-2500)	Pipe plug	1
NN	J01	95-45		4350257	End cap	1
	J02	95-45		001537 (9005110-9200)	Plug assembly	1
	J02A	95-45		001172 (9004201-9000)	O-ring	1
	J05	95-45		001537 (9005100-8700)	Plug assembly	1
	J05A	95-45		001149 (9004201-6200)	O-ring	1
	J06	95-45		001487 (9005001-2500)	Pipe plug	1
	J07	95-45		001537 (9005100-8700)	Plug assembly	1
	J07A	95-45		001149 (9004201-6200)	O-ring	1



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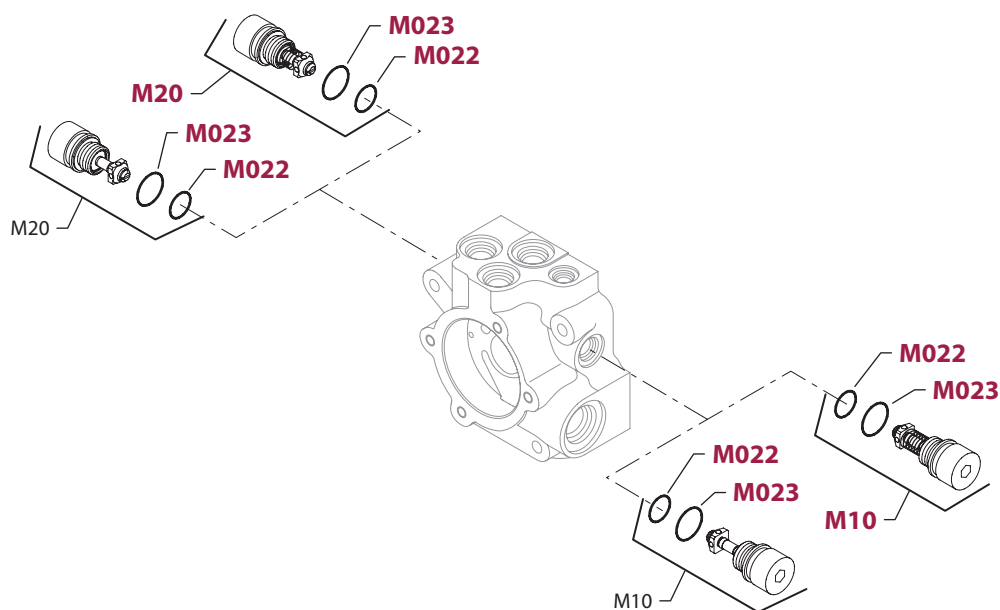
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

COMMON SYSTEM PRESSURE PROTECTION PARTS

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	M022	95-45		001131 (9004201-5000)	O-ring	2
	M023	95-45		9004100-2110	O-ring	2

SYSTEM PRESSURE PROTECTION

AAA	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
BBB	M10	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
	M20	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
BCC	M10	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
	M20	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
BDB	M10	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
	M20	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
BDD	M10	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
	M20	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
BEE	M10	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
	M20	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
BFF	M10	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
	M20	95-45		4350639	SCR valve assembly, 250 bar [36-25psi] (SB-1996-014)	1
BGF	M10	96-28		4350638	SCR valve assembly, 280 bar [4060 psi]	1
	M20	96-28		4350639	SCR valve assembly, 250 bar [3625 psi]	1
BGG	M10	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
	M20	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
BHB	M10	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
	M20	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
BHH	M10	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
	M20	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
BJJ	M10	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
	M20	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
BJM	M10	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
	M20	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
BMM	M10	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
	M20	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
CBA	M10	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1



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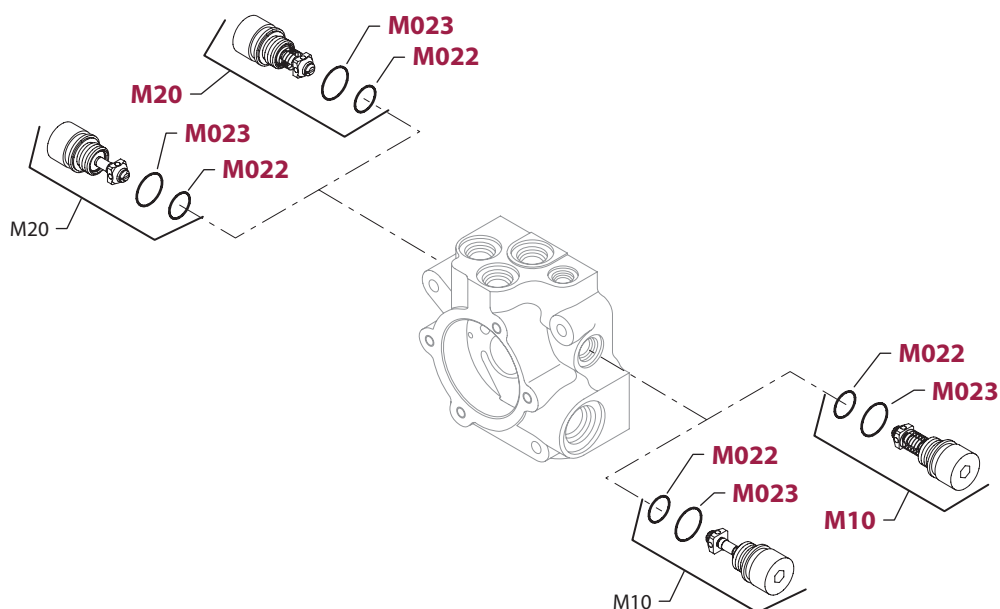
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

COMMON SYSTEM PRESSURE PROTECTION PARTS

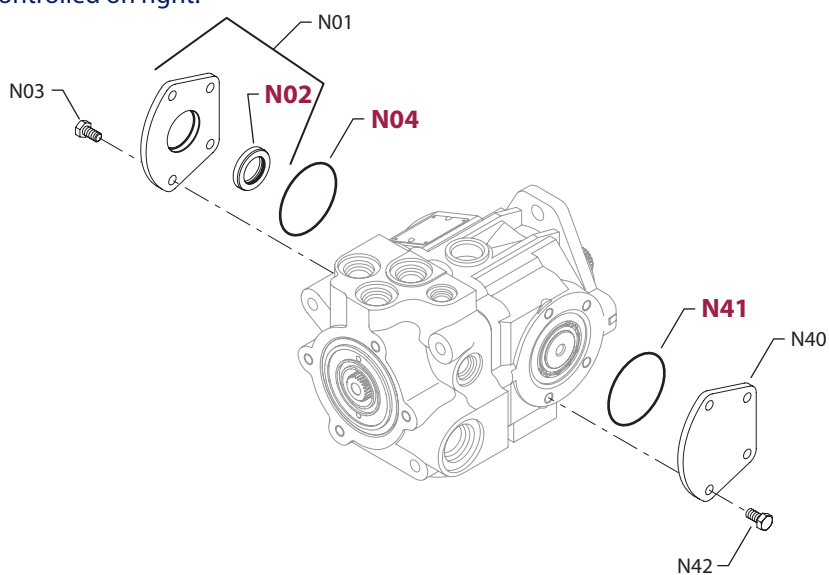
Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/klt
	M022	95-45		001131 (9004201-5000)	O-ring	2
	M023	95-45		9004100-2110	O-ring	2

SYSTEM PRESSURE PROTECTION

CCA	M10	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CDA	M10	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CEA	M10	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CFA	M10	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CGA	M10	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CHA	M10	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CJA	M10	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CMA	M10	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
DAB	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
DAC	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
DAD	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
DAE	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
DAF	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
DAG	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
DAH	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1



Trunnion cover shown
controlled on right.



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Enlarged **bold** type item
numbers are recommended
parts to stock for servicing.

COMMON SYSTEM PRESSURE PROTECTION PARTS

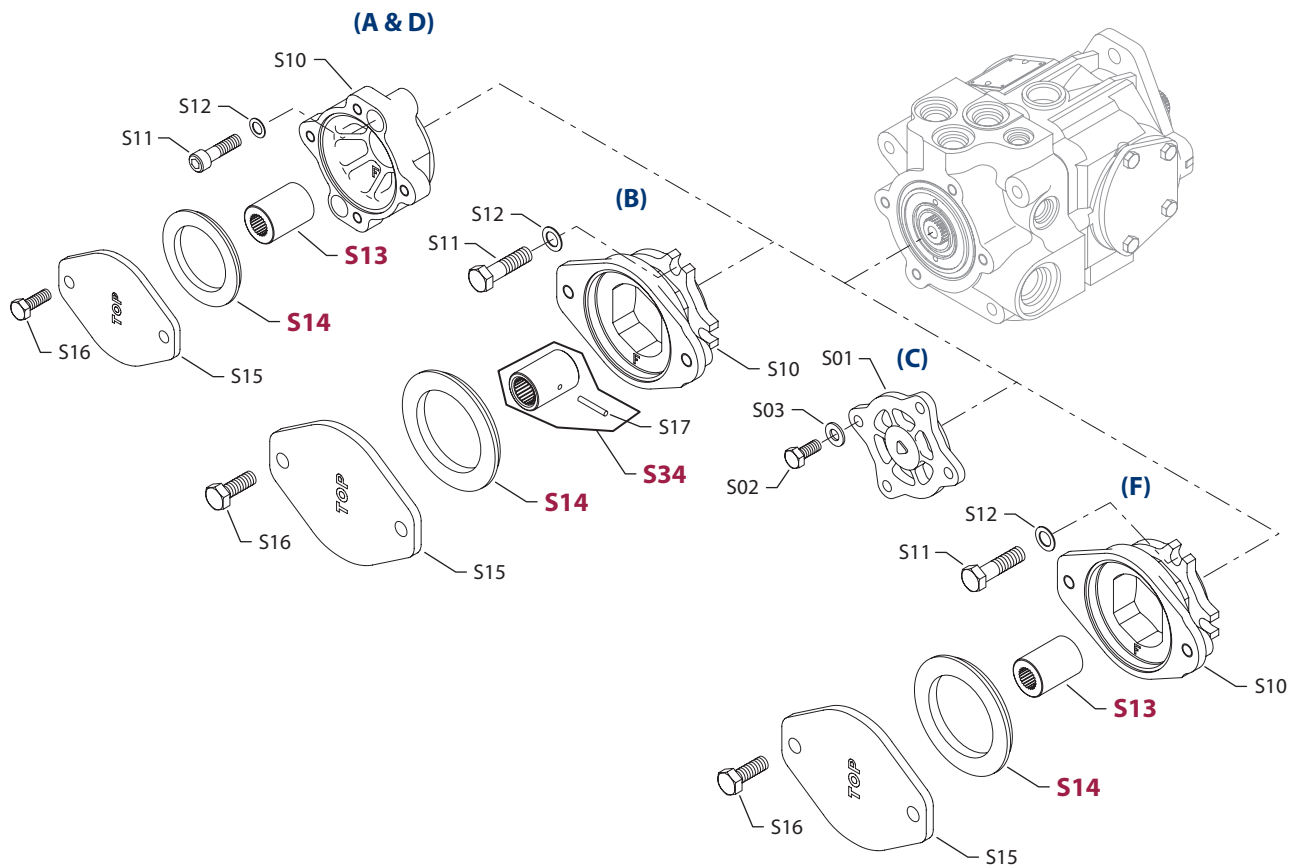
Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	M022	95-45		001131 (9004201-5000)	O-ring	2
	M023	95-45		9004100-2110	O-ring	2

SYSTEM PRESSURE PROTECTION

DAJ	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
DAM	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
EFF	M10	98-47		4250139	SCR valve assembly, 250 bar [3625 psi]	1
	M20	95-45		4250139	SCR valve assembly, 250 bar [3625 psi]	1

DIRECT DISPLACEMENT CONTROL

DL	N01	95-45		4350732	Trunnion cover assembly, on left side (SB-1999-040)	1
	N02	95-45		5000604	Trunnion lip seal (SB-2000-026)	1
	N03	95-45		378083 (9007210-0804)	Screw	4
	N04	95-45		9004300-1460	O-ring	1
	N40	95-45		4250027	Trunnion cover	1
	N41	95-45		9004300-1460	O-ring	1
	N42	95-45		378083 (9007210-0804)	Screw	4
DR	N01	95-45		4350732	Trunnion cover assembly, on right side (SB-1999-040)	1
	N02	95-45		5000604	Trunnion lip seal (SB-2000-026)	1
	N03	95-45		378083 (9007210-0804)	Screw	4
	N04	95-45		9004300-1460	O-ring	1
	N40	95-45		4250027	Trunnion cover	1
	N41	95-45		9004300-1460	O-ring	1
	N42	95-45		378083 (9007210-0804)	Screw	4

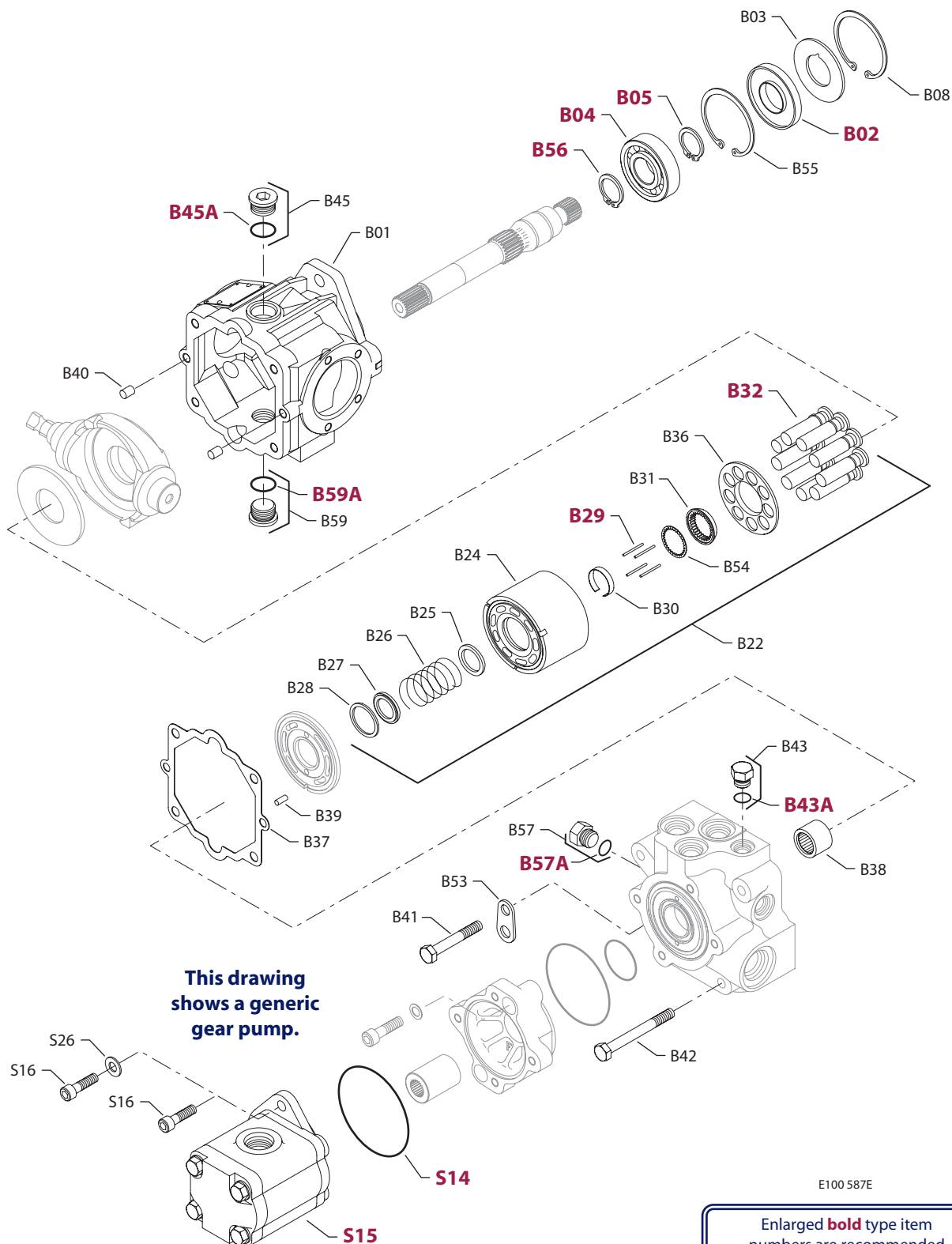


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Enlarged **bold** type item numbers are recommended parts to stock for servicing.

AUXILIARY MOUNTING FLANGE

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
A	S10	95-45		4800156	Adapter flange, SAE A	1
	S11	95-45		732982 (9007314-1009)	Screw	2
	S12	95-45		9009625-0154	Washer	2
	S13	95-45		4350113	Coupling, 9-tooth spline	1
	S14	95-45		4800482	A pad seal	1
	S15	95-45		4460586	Cover plate	1
	S16	95-45		9007200-3716	Screw	2
B	S10	95-45		4800157	Adapter flange, SAE B	1
	S11	95-45		9007210-1007	Screw	4
	S12	95-45		9009600-4487	Washer	4
	S14	05-22		8801061	B pad seal	1
	S14	95-45	05-21	9004100-1550	O-ring	1
	S15	05-22		8801059	Cover plate	1
	S15	95-45	05-21	4460370	Cover plate	1
	S16	95-45		5000758	Screw, special locking	2
	S17	95-45		9004700-1222	Pin	1
	S34	95-45		4350691	Coupling assembly, 13-tooth spline	1
C	S01	95-45		4800158	Gerotor cover	1
	S02	95-45		9007210-1006	Screw	4
	S03	95-45		9009600-4487	Washer	4
D	S10	95-45		4800182	Adapter flange, SAE A	1
	S11	95-45		732982 (9007314-1009)	Screw	2
	S12	95-45		9009625-0154	Washer	2
	S13	95-45		762534 (4350189)	Coupling, 11-tooth spline	1
	S14	95-45		4800482	A pad seal	1
	S15	95-45		4460586	Cover plate	1
	S16	95-45		9007200-3716	Screw	2
F	S10	95-45		4800157	Adapter flange, SAE B	1
	S11	95-45		9007210-1007	Screw	4
	S12	95-45		9009600-4487	Washer	4
	S13	95-45		762534 (4350189)	Coupling, 11-tooth spline	1
	S14	01-14		8801061	B pad seal	1
	S14	95-45	01-13	9004100-1550	O-ring	1
	S15	01-14		8801059	Cover plate	1
	S15	95-45	01-13	4460370	Cover plate	1
	S16	95-45		5000758	Screw, special locking	2



COMMON PARTS

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	B01	95-45		4350350	Housing	1
	B02	95-45		5000689	Lip seal (SB-2003-018)	1
	B03	95-45		4350455	Seal support washer	1
	B04	95-45		373282 (9001315-0011)	Ball bearing	1
	B05	95-45		615245 (9006300-0137)	Retaining ring	1
	B08	95-45		9006200-0281	Retaining ring	1
	B22	95-45		4350291	Cylinder block kit	1
	B24	95-45		4350628	Cylinder block	1
	B25	95-45		4350012	Washer	1
	B26	95-45		4350172	Cylinder block spring	1
	B27	95-45		9009625-0105	Washer	1
	B28	95-45		9006250-0162	Retaining ring	1
	B29	95-45		9004875-0109	Slipper holddown pin	4
	B30	95-45		4350048	Slipper holddown pin retainer	1
	B31	95-45		4350186	Slipper retainer guide	1
	B32	95-45		4350253	Piston assembly	9
	B36	95-45		4350185	Slipper retainer	1
	B37	95-45		4350145	End cap gasket	1
	B38	95-45		510993 (9001465-0015)	Needle bearing	1
	B39	95-45		015701 (9004700-1910)	Slotted pin	1
	B40	95-45		5000529	Pin (SB-1998-092)	2
	B41	95-45		9007210-1014	Screw	2
	B42	95-45		648444 (9007210-1018)	Screw	2
	B43	95-45		046151 (9005100-5600)	Plug assembly	1
	B43A	95-45		085043 (9004201-3700)	O-ring	1
	B45	95-45		664524 (9005110-9000)	Plug assembly	1
	B45A	95-45		001156 (9004201-7500)	O-ring	1
	B53	95-45		8800565	Lifting bracket	1
	B54	95-45		4350187	Thrust washer	1
	B55	95-45		9006200-0281	Retaining ring	1
	B56	95-45		615245 (9006300-0137)	Retaining ring	1
	B57	95-45		046151 (9005100-5600)	Plug assembly	1
	B57A	95-45		085043 (9004201-3700)	O-ring	1
	B59	95-45		664524 (9005110-9000)	Plug assembly	1
	B59A	95-45		001156 (9004201-7500)	O-ring	1

SPECIAL HARDWARE

GNZ	S14	96-10	01-12	5000373	O-ring	1
	S15	96-10	01-12	B5501-33511	Gear pump	1
	S16	96-10	01-12	9007300-3722	Screw	2
GRD	S14	98-31	01-12	5000373	O-ring	1
	S15	98-31	01-12	00111.20.348.00	Gear pump	1
	S16	98-31	01-12	9007300-3722	Screw	2
	S26	98-31	01-12	002329 (9009610-4069)	Washer	2
NNN & NOP				None		

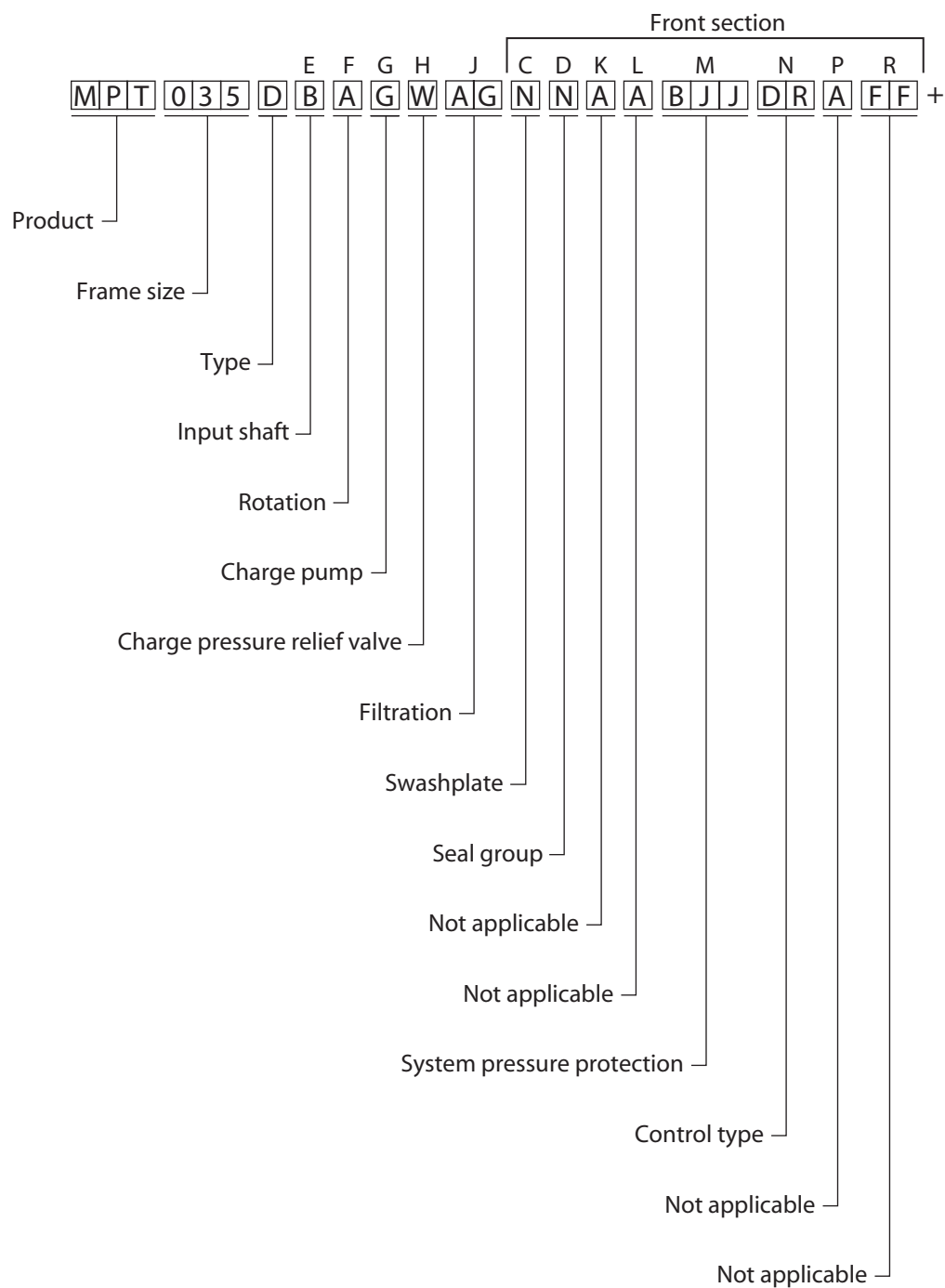
OVERHAUL SEAL KIT

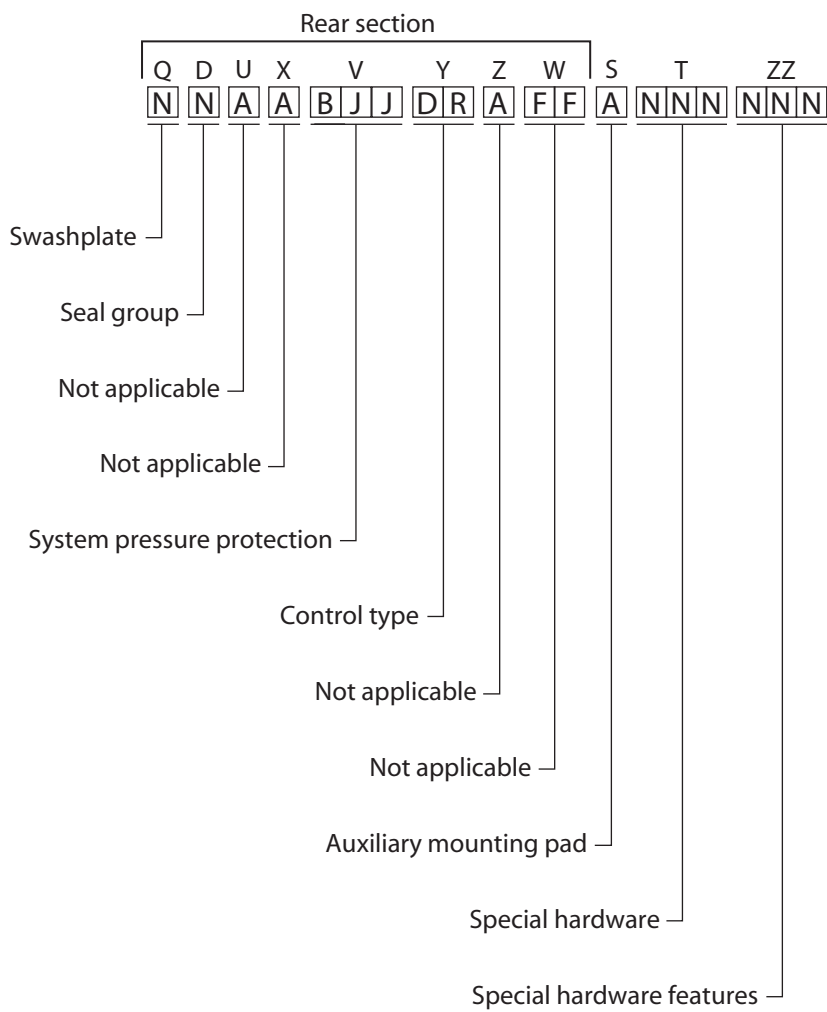
Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
		95-45		4510149	Overhaul seal kit, MPV035/44D	1
	B02	95-45		5000689	Lip seal (SB-2003-018)	1
	B37	95-45		4350145	End cap gasket	1
	B43A	95-45		085043 (9004201-3700)	O-ring, .078 x .468, nitrile, 90D	1
	B45A	95-45		001156 (9004201-7500)	O-ring, .116 x .924, nitrile, 90D	1
	B57A	95-45		085043 (9004201-3700)	O-ring, .078 x .468, nitrile, 90D	1
	B59A	95-45		001156 (9004201-7500)	O-ring, .116 x .924, nitrile, 90D	1
	G04A	98-07		673533	O-ring, .103 x 3.237, nitrile, 70D	1
	G06	95-45		5000352	O-ring, .139 x 1.609, nitrile, 90D	1
	G07	95-45		5000353	O-ring, .139 x 3.234, nitrile, 90D	1
	H01A	95-45		001149 (9004201-6200)	O-ring, .097 x .755, nitrile, 90D	1
	J02A	95-45		001172 (9004201-9000)	O-ring, .116 x 1.171, nitrile, 90D	1
	J05A	95-45		001149 (9004201-6200)	O-ring, .097 x .755, nitrile, 90D	1
	J07A	95-45		001149 (9004201-6200)	O-ring, .097 x .755, nitrile, 90D	1
	M022	95-45		001131 (9004201-5000)	O-ring, .087 x .644, nitrile, 90D	2
	M023	95-45		9004100-2110	O-ring, .139 x .796, nitrile, 70D	2
	N02	95-45		5000604	Trunnion lip seal (SB-2000-026)	1
	N04	95-45		9004300-1460	O-ring .099 x 2.612, nitrile, 70D	1
	N41	95-45		9004300-1460	O-ring .099 x 2.612, nitrile, 70D	1
	S14	95-45		9004100-1550	O-ring, .103 x 3.987, nitrile, 70D (B pad)	1
	S14	95-45		5000373	O-ring, .103 x 3.237, nitrile, 90D (A pad)	1

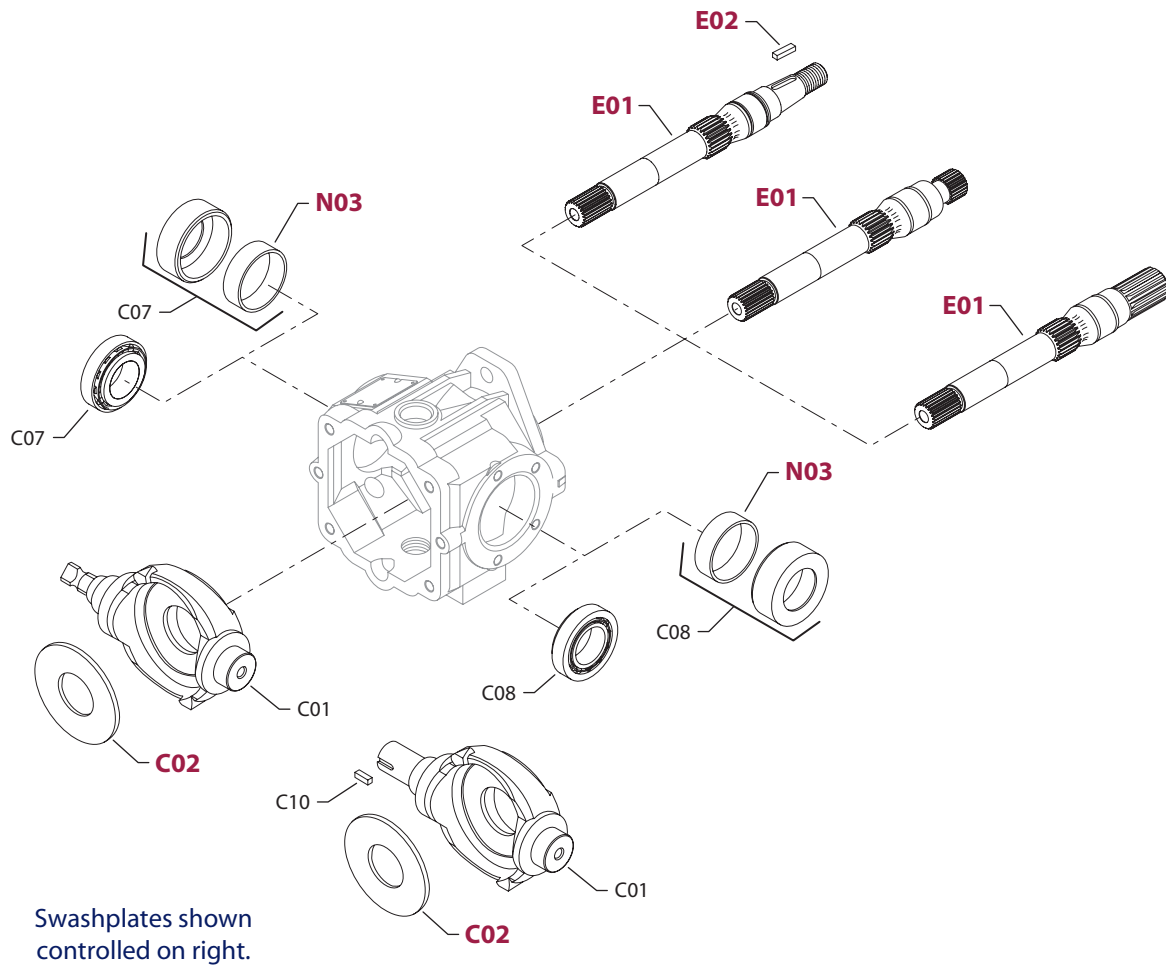


Series 40 MPV035D and MPT035D Axial Piston Pumps
Parts Manual
Notes









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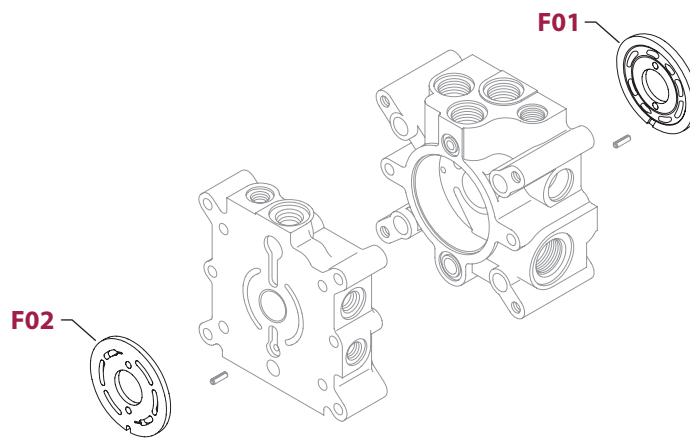
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

SWASHPLATE, FRONT PUMP

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
B	C01	95-45		4350383	Swashplate, standard	1
	C02	95-45		4350148	Thrust plate	1
	C07	95-45		4800470	Bearing kit	1
	C08	95-45		4800470	Bearing kit	1
C	C01	95-45		4440019	Swashplate, .75" trunnion	1
	C02	95-45		4350148	Thrust plate	1
	C07	95-45		4800470	Bearing kit	1
	C08	95-45		4800470	Bearing kit	1
D	C01	99-24	07-18	4350738	Swashplate, DU bearing	1
	C02	99-24	07-18	4350148	Thrust plate	1
	C07	99-24	07-18	4250039	Bearing carrier assembly	1
	C08	99-24	07-18	4250039	Bearing carrier assembly	1
	N03	99-24	07-18	4700010	Journal bearing	2
G	C01	03-07		4350823	Swashplate, 24 mm diameter keyed, 14.6°	1
	C02	03-07		4350148	Thrust plate	1
	C07	03-07		4800470	Bearing kit	1
	C08	03-07		4800470	Bearing kit	1
	C10	05-05		1040275	Key	1
H	C01	03-07		4350822	Swashplate, 24 mm diameter keyed, 16°	1
	C02	03-07		4350148	Thrust plate	1
	C07	03-07		4800470	Bearing kit	1
	C08	03-07		4800470	Bearing kit	1
	C10	05-05		1040275	Key	1

INPUT SHAFT

A	E01	95-45		4350425	Shaft, 15-tooth spline	1
C	E01	95-45		4350791	Shaft, tapered (SB-2002-021)	1
	E02	02-27		5000664	Key, square (SB-2002-021)	1
	E02	95-45	02-26	532432 (9003310-2514)	Key, woodruff	1
G	E01	95-45		4350433	Shaft, 15-tooth spline, special	1
V	E01	03-07		1715573	Shaft, 18-tooth	1

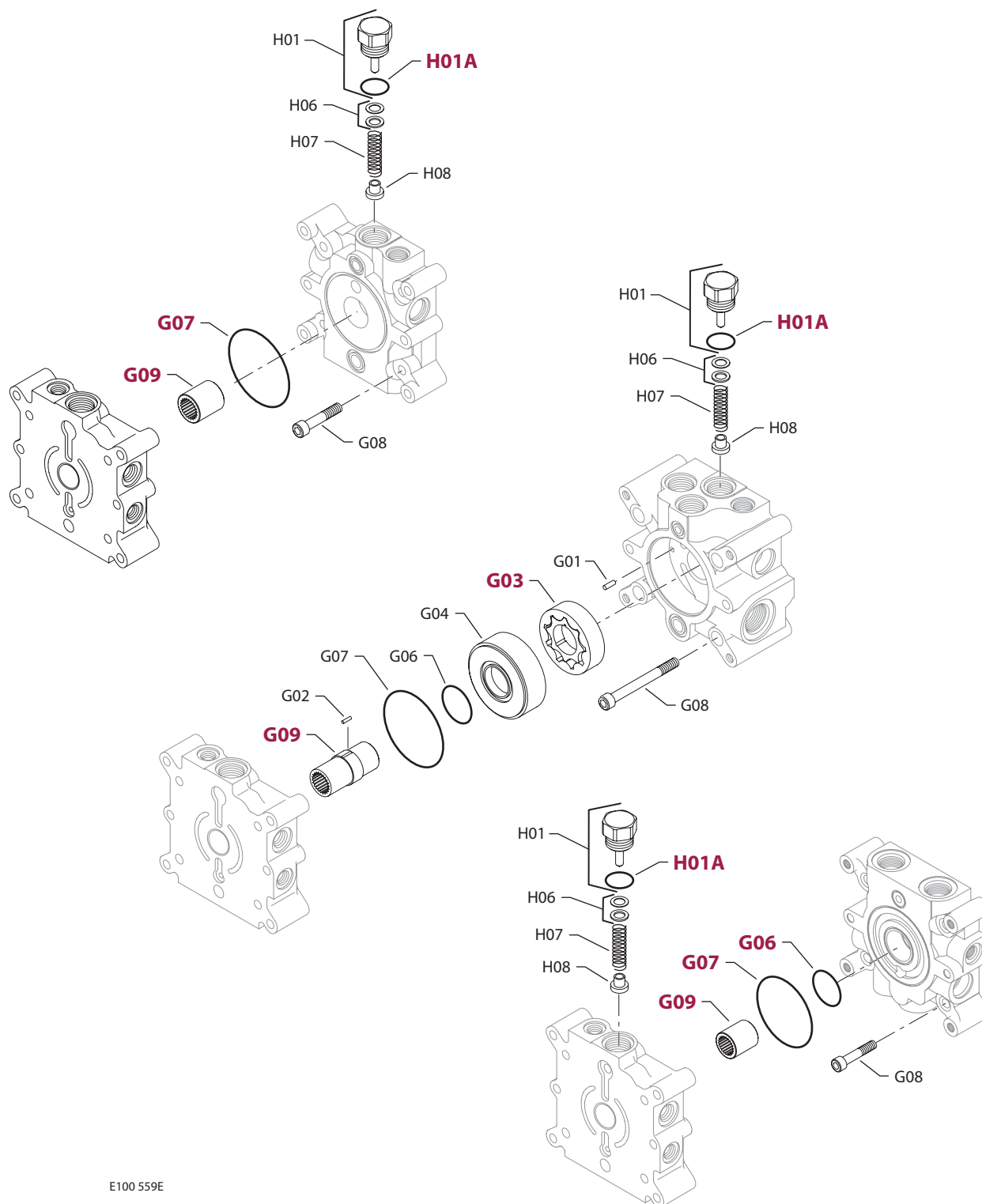


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Enlarged **bold** type item
numbers are recommended
parts to stock for servicing.

ROTATION

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
2	F01	95-50	03-29	4350729	Valve plate, CCW, 4° index	1
	F02	95-50	03-29	4350728	Valve plate, CW, 4° index	1
4	F01	97-06		4440076	Valve plate, CCW, low force	1
	F02	97-06		4440075	Valve plate, CW, low force	1
5	F01	97-11		4440075	Valve plate, CW, low force	1
	F02	97-11		4440076	Valve plate, CCW, low force	1
8	F01	03-34		4350730	Valve plate, CW, 6° index	1
	F02	03-34		4350731	Valve plate, CCW, 6° index	1
9	F01	03-21		4350728	Valve plate, CW, 4° index	1
	F02	03-21		4350729	Valve plate, CCW, 4° index	1
B	F01	95-45	03-29	4350728	Valve plate, CW, 4° index	1
	F02	95-45	03-29	4350729	Valve plate, CCW, 4° index	1
L	F01	95-45		4350158	Valve plate, CCW,	1
	F02	95-45		4350157	Valve plate, CW	1
M	F01	95-45		4350285	Valve plate, CW, 0° index	1
	F02	95-45		4350284	Valve plate, CCW, 0° index	1
N	F01	95-45		4350284	Valve plate, CCW, 0° index	1
	F02	95-45		4350285	Valve plate, CW, 0° index	1
R	F01	95-45		4350157	Valve plate, CW	1
	F02	95-45		4350158	Valve plate, CCW	1
W	F01	95-45		4350322	Valve plate, CW, quiet	1
	F02	95-45		4350323	Valve plate, CCW, quiet	1
Y	F01	95-45		4350323	Valve plate, CCW, quiet	1
	F02	95-45		4350322	Valve plate, CW, quiet	1



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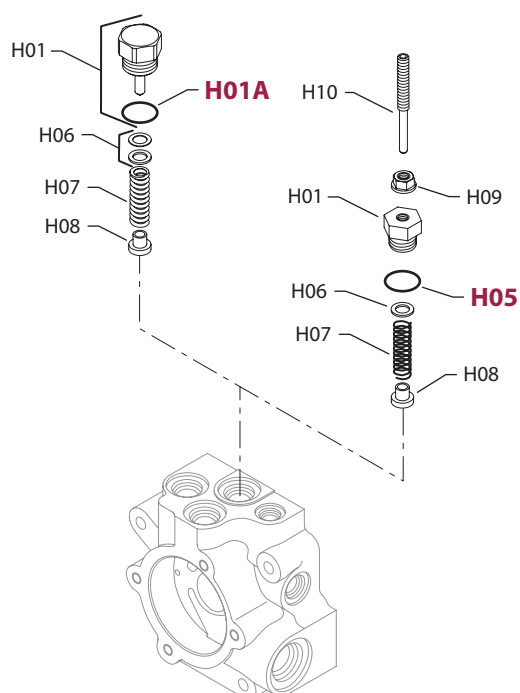
Enlarged **bold** type item
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CHARGE PUMP

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
A	G07	95-45		065466 (9004100-1530)	O-ring	1
	G08	95-45		654053 (9007314-1012)	Screw	4
	G09	95-45		4350046	Coupling	1
R	G01	95-45		9004800-1908	Pin	1
	G02	95-45		9004800-1206	Pin	1
	G03	95-45		4800128-0001	Gerotor assembly	1
	G04	95-45		4800177	Spacer	1
	G06	95-45		5000352	O-ring	1
	G07	95-45		9004100-2370	O-ring	1
	G08	95-45		9007314-1018	Screw	4
	G09	95-45		4350090	Coupling	1
S	G01	95-45		9004800-1908	Pin	1
	G02	95-45		9004800-1206	Pin	1
	G03	95-45		4800128-0002	Gerotor assembly	1
	G04	95-45		4800178	Spacer	1
	G06	95-45		5000352	O-ring	1
	G07	95-45		9004100-2370	O-ring	1
	G08	95-45		9007314-1018	Screw	4
	G09	95-45		4350090	Coupling	1
V	G06	03-05		673236 (9004100-1310)	O-ring	1
	G07	03-05		065466 (9004100-1530)	O-ring	1
	G08	03-05		654053 (9007314-1012)	Screw	4
	G09	03-05		4350046	Coupling	1

CHARGE PRESSURE RELIEF VALVE/SETTING

A	H01	95-45		4800308	Plug assembly/16 bar [230 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		4800176	Spring	1
	H08	95-45		4800134	Poppet	1
C	H01	95-50		4800308	Plug assembly/18 bar [260 psi]	1
	H01A	95-50		001149 (9004201-6200)	O-ring	1
	H06	95-50		4510027	Shim kit	1
	H07	95-50		4800176	Spring	1
	H08	95-50		4800134	Poppet	1
E	H01	95-45		4800308	Plug assembly/11 bar [160 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		4800176	Spring	1
	H08	95-45		4800134	Poppet	1

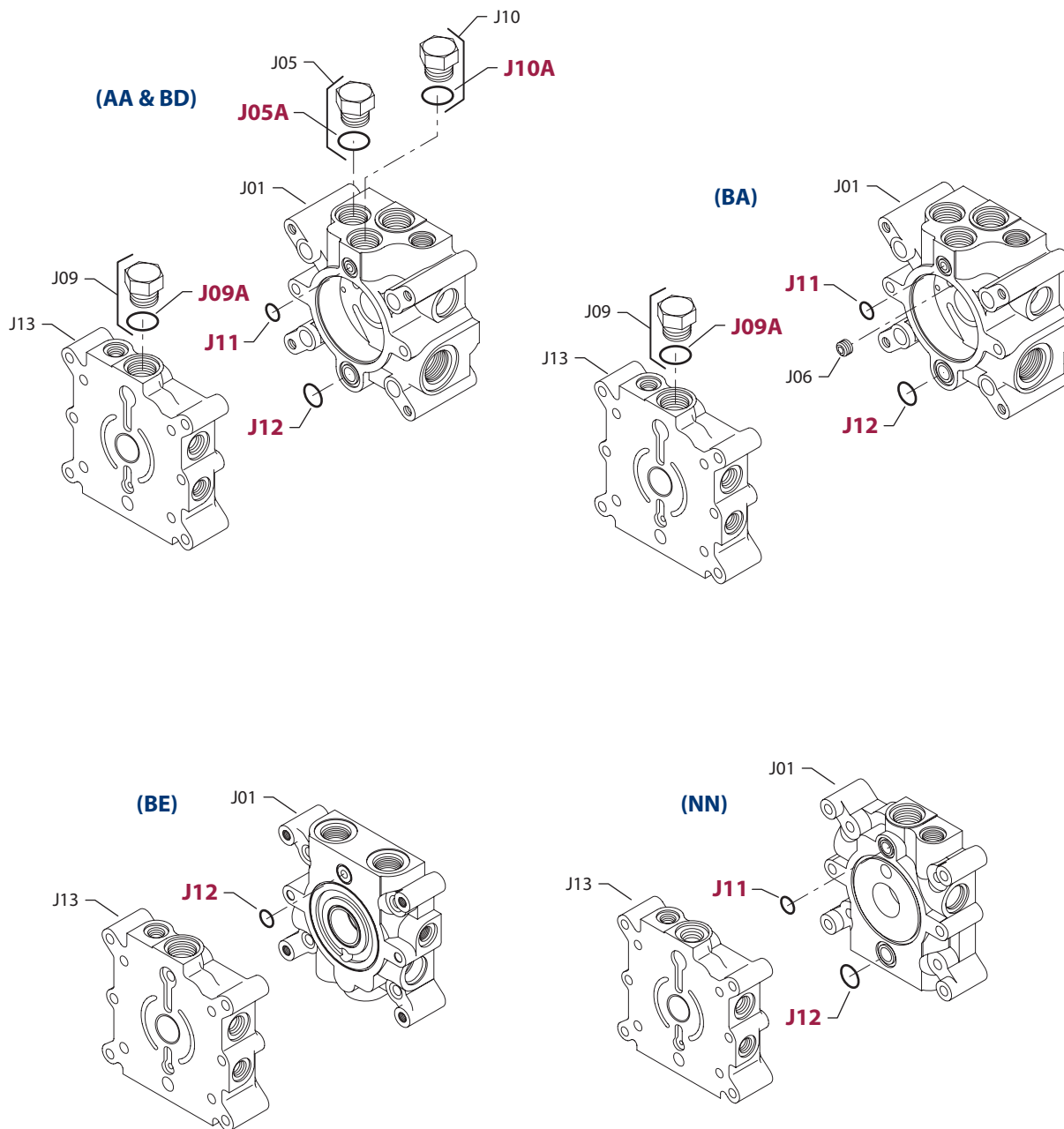


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Enlarged **bold** type item
numbers are recommended
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CHARGE PRESSURE RELIEF VALVE/SETTING

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
F	H01	95-45		4800308	Plug assembly/7.5 bar [110 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		4800714	Spring	1
	H08	95-45		4800134	Poppet	1
G	H01	95-45		4800308	Plug assembly/14 bar [200 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		4800176	Spring	1
	H08	95-45		4800134	Poppet	1
H	H01	95-45		4800308	Plug assembly/24 bar [348 psi]	1
	H01A	95-45		001149 (9004201-6200)	O-ring	1
	H06	95-45		4510027	Shim kit	1
	H07	95-45		8800496	Spring	1
	H08	95-45		4800134	Poppet	1
J	H01	97-13		4800308	Plug assembly/22 bar [315 psi]	1
	H01A	97-13		001149 (9004201-6200)	O-ring	1
	H06	97-13		4510027	Shim kit	1
	H07	97-13		4800176	Spring	1
	H08	97-13		4800134	Poppet	1
N	H01	95-45		4800308	Plug assembly/9 bar [130 psi]	1
	H01A	98-25		001149 (9004201-6200)	O-ring	1
	H06	98-25		4510027	Shim kit	1
	H07	98-25		4800149	Spring	1
	H08	98-25		4800134	Poppet	1
P	H01	95-45	00-40	4350305	Plug, anti-stall	1
	H05	95-45	00-40	001149 (9004201-6200)	O-ring	1
	H06	95-45	00-40	356568 (9009625-0163)	Washer	1
	H07	95-45	00-40	8800496	Spring	1
	H08	95-45	00-40	4350299	Poppet	1
	H09	95-45	00-40	076042 (9003509-0012)	Nut	1
	H010	95-45	00-40	4350301	Anti-stall guide screw	1
R	H01	98-40		4800308	Plug assembly/6.2 bar [90 psi]	1
	H01A	98-40		001149 (9004201-6200)	O-ring	1
	H06	98-40		4510027	Shim kit	1
	H07	98-40		4800714	Spring	1
	H08	98-40		4800134	Poppet	1

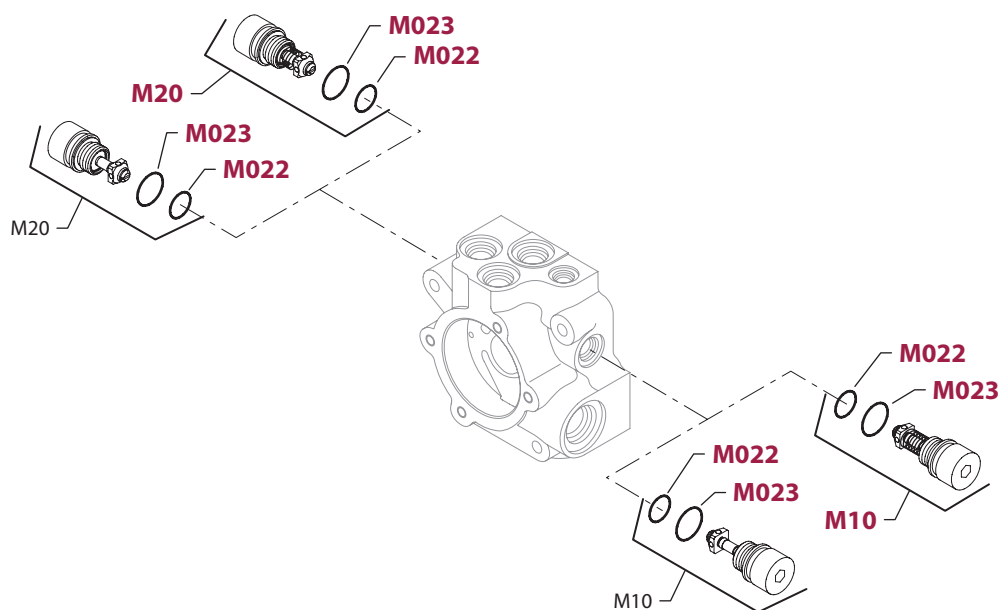


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Enlarged **bold** type item numbers are recommended parts to stock for servicing.

FILTRATION

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
AA	J01	95-45		4350256	End cap	1
	J05	95-45		001537 (9005100-8700)	Plug assembly	1
	J05A	95-45		001149 (9004201-6200)	O-ring	1
	J09	95-45		001537 (9005100-8700)	Plug assembly	1
	J09A	95-45		001149 (9004201-6200)	O-ring	1
	J10	95-45		001537 (9005100-8700)	Plug assembly	1
	J10A	95-45		001149 (9004201-6200)	O-ring	1
	J11	95-45		511852 (9004100-1140)	O-ring	1
	J12	95-45		511853 (9004100-1180)	O-ring	1
	J13	95-45		4350405	End cap	1
BA	J01	95-45		4350256	End cap	1
	J06	95-45		001487 (9005001-2500)	Pipe plug	1
	J09	95-45		001537 (9005100-8700)	Plug assembly	1
	J09A	95-45		001149 (9004201-6200)	O-ring	1
	J11	95-45		511852 (9004100-1140)	O-ring	1
	J12	95-45		511853 (9004100-1180)	O-ring	1
	J13	95-45		4350405	End cap	1
BD	J01	01-22		4350713	End cap	1
	J05	01-22		001537 (9005100-8700)	Plug assembly	1
	J05A	01-22		001149 (9004201-6200)	O-ring	1
	J09	01-22		001537 (9005100-8700)	Plug assembly	1
	J09A	01-22		001149 (9004201-6200)	O-ring	1
	J10	01-22		001537 (9005100-8700)	Plug assembly	1
	J10A	01-22		001149 (9004201-6200)	O-ring	1
	J11	01-22		511852 (9004100-1140)	O-ring	1
	J12	01-22		511853 (9004100-1180)	O-ring	1
	J13	01-22		4350405	End cap	1
BE	J01	03-05		4440223	End cap, opposing ports	1
	J12	03-05		511852 (9004100-1140)	O-ring	1
	J13	03-05		4440222	End cap, opposing ports	1
NN	J01	95-45		4350406	End cap	1
	J11	95-45		511852 (9004100-1140)	O-ring	1
	J12	95-45		511853 (9004100-1180)	O-ring	1
	J13	95-45		4350405	End cap	1



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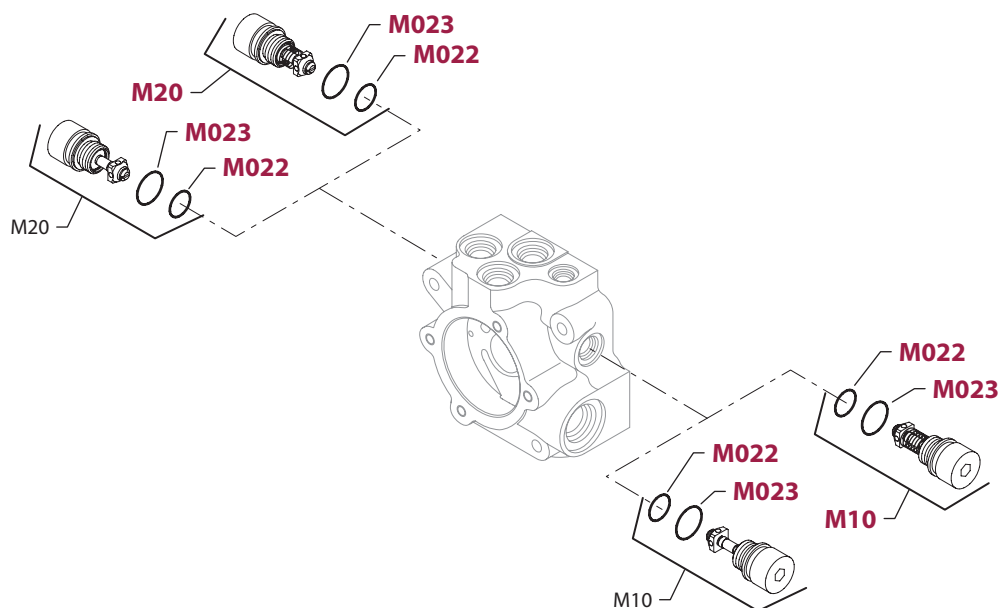
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

COMMON SYSTEM PRESSURE PROTECTION PARTS

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	M022	95-45		001131 (9004201-5000)	O-ring	2
	M023	95-45		9004100-2110	O-ring	2

SYSTEM PRESSURE PROTECTION (FRONT PUMP)

AAA	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
BBB	M10	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
	M20	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
BCC	M10	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
	M20	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
BDD	M10	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
	M20	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
BEE	M10	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
	M20	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
BFF	M10	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
	M20	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
BGF	M10	96-28		4350638	SCR valve assembly, 280 bar [4060 psi]	1
	M20	96-28		4350639	SCR valve assembly, 250 bar [3625 psi]	1
BGG	M10	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
	M20	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
BHH	M10	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
	M20	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
BJJ	M10	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
	M20	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
BLL	M10	95-45		4350646	SCR valve assembly, 415 bar [6020 psi] (SB-1996-014)	1
	M20	95-45		4350646	SCR valve assembly, 415 bar [6020 psi] (SB-1996-014)	1
BMM	M10	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
	M20	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
BNN	M10	95-45		4350644	SCR valve assembly, 260 bar [3770 psi] (SB-1996-014)	1
	M20	95-45		4350644	SCR valve assembly, 260 bar [3770 psi] (SB-1996-014)	1
BSS	M10	07-27		4350694	SCR valve assembly, 385 bar [5580 psi]	1
	M20	07-27		4350694	SCR valve assembly, 385 bar [5580 psi]	1
CBA	M10	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1



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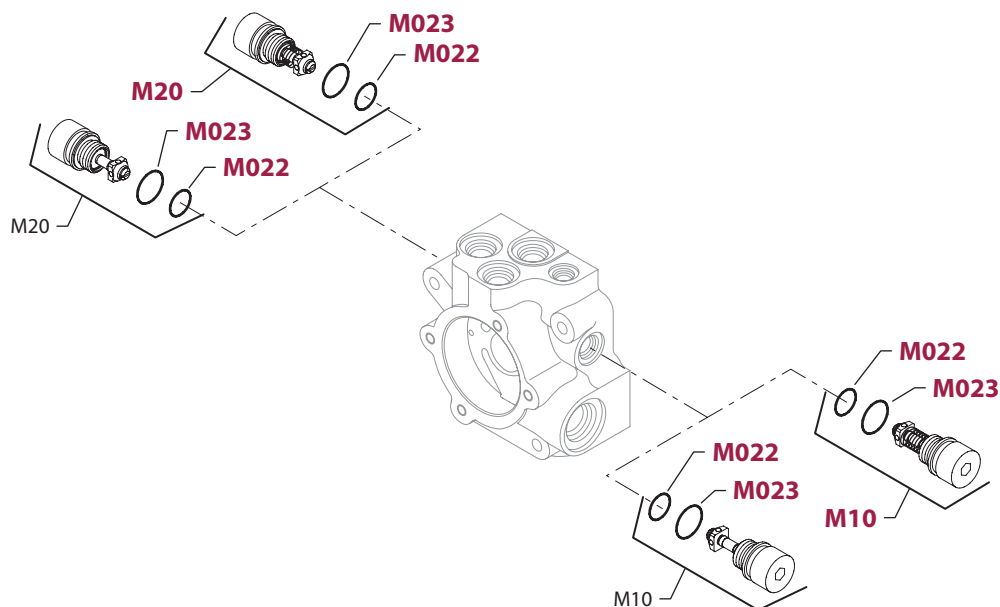
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

COMMON SYSTEM PRESSURE PROTECTION PARTS

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	M022	95-45		001131 (9004201-5000)	O-ring	2
	M023	95-45		9004100-2110	O-ring	2

SYSTEM PRESSURE PROTECTION (FRONT PUMP)

CCA	M10	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CDA	M10	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CEA	M10	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CFA	M10	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CGA	M10	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CHA	M10	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CJA	M10	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CMA	M10	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
	M20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
DAB	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
DAC	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
DAD	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
DAE	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
DAF	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
DAG	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
DAH	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1



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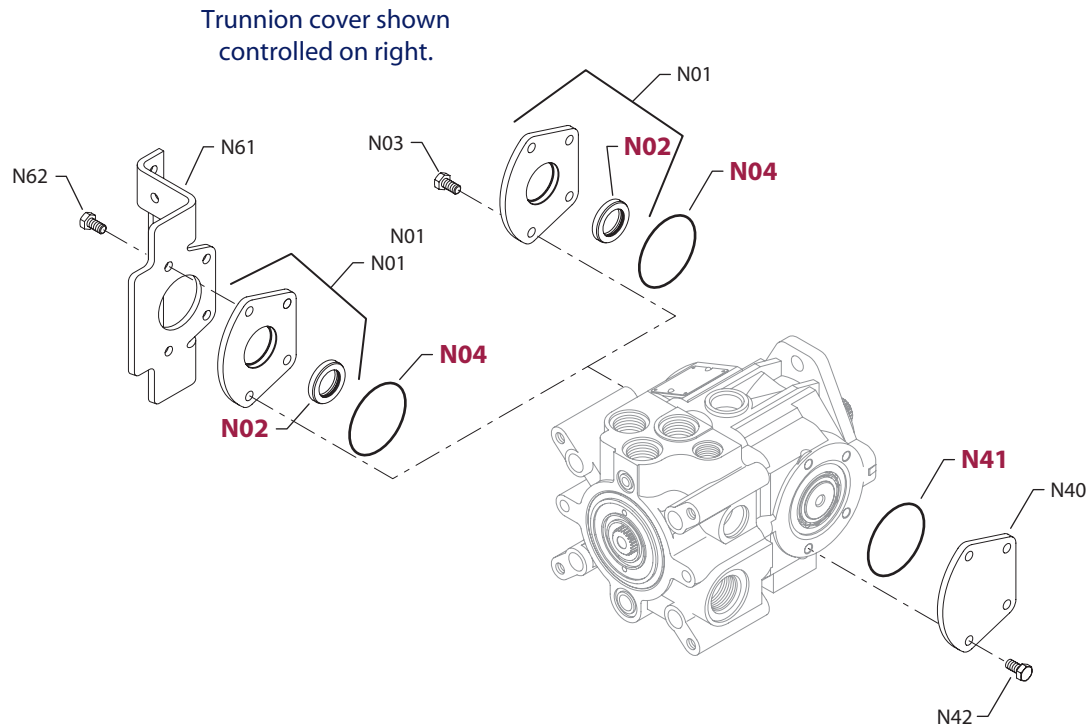
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

COMMON SYSTEM PRESSURE PROTECTION PARTS

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	M022	95-45		001131 (9004201-5000)	O-ring	2
	M023	95-45		9004100-2110	O-ring	2

SYSTEM PRESSURE PROTECTION (FRONT PUMP)

DAJ	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
DAM	M10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	M20	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
EFF	M10	98-47		4250139	SCR valve assembly, 250 bar [3625 psi], high force	1
	M20	98-47		4250139	SCR valve assembly, 250 bar [3625 psi], high force	1
ETT	M10	98-31		4350723	SCR valve assembly, 345 bar [5000 psi], high force	1
	M20	98-31		4350723	SCR valve assembly, 345 bar [5000 psi], high force	1

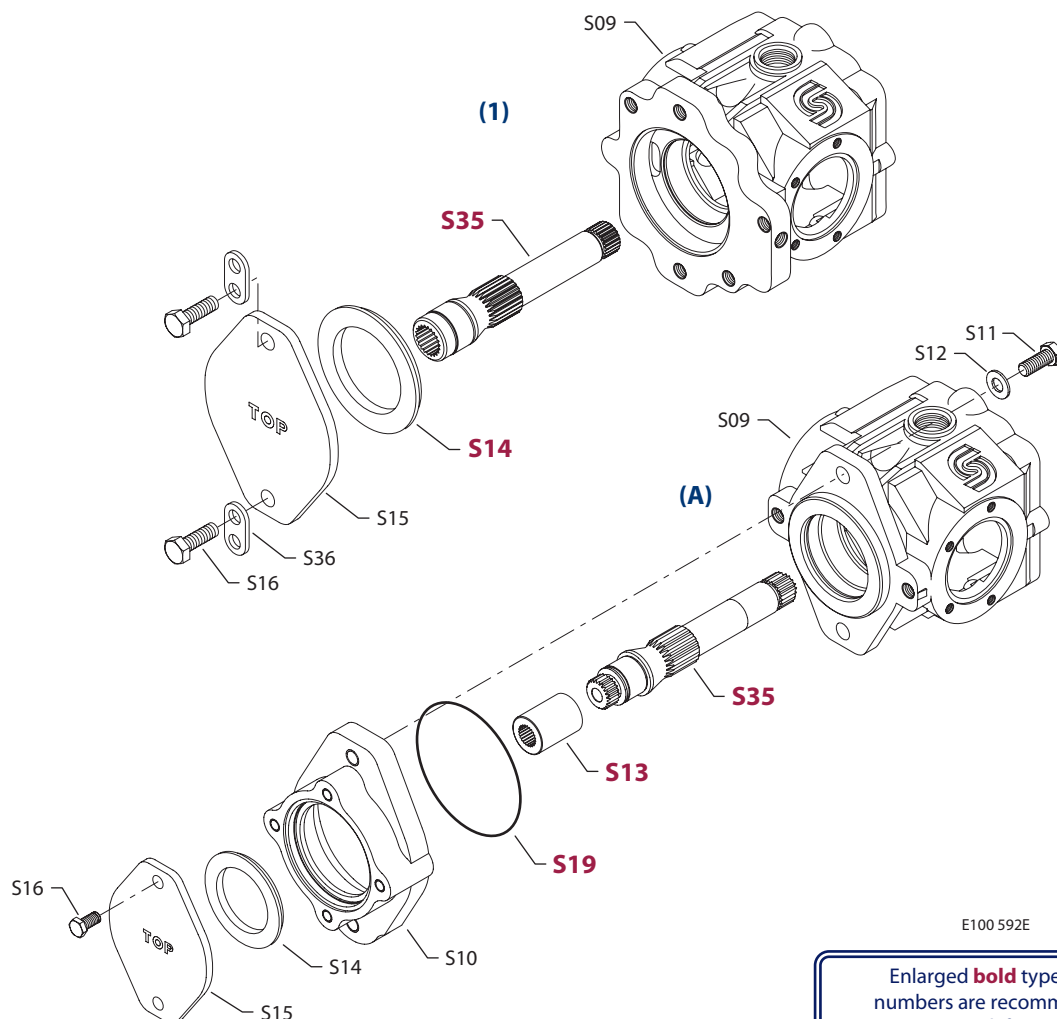
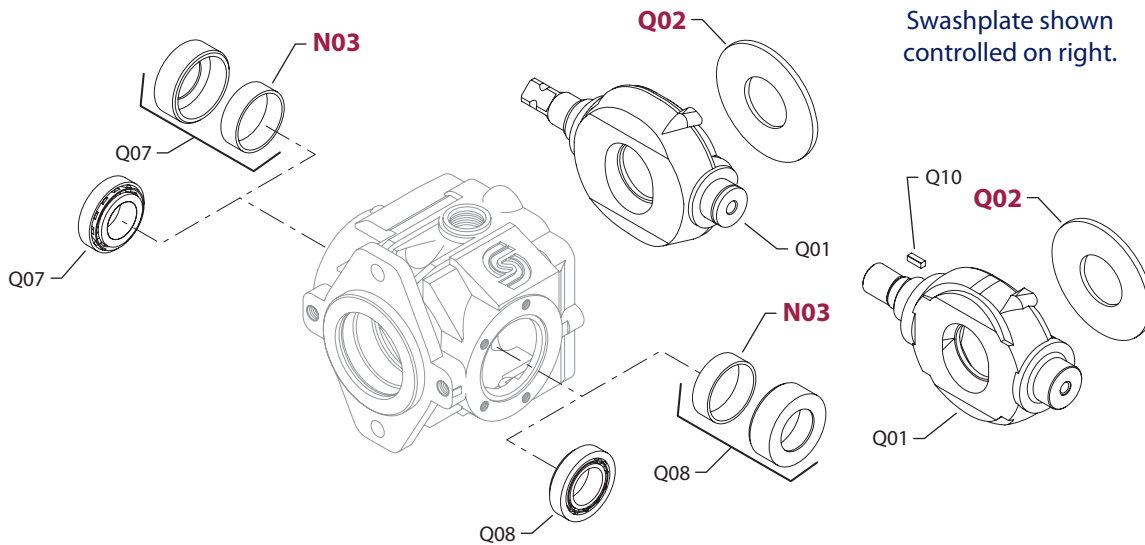


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Enlarged **bold** type item numbers are recommended parts to stock for servicing.

DIRECT DISPLACEMENT CONTROL (FRONT PUMP)

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
DL	N01	95-45		4350732	Trunnion cover assembly, on left side (SB-1999-040)	1
	N02	95-45		5000604	Trunnion lip seal (SB-2000-026)	1
	N03	95-45		378083 (9007210-0804)	Screw	4
	N04	95-45		9004300-1460	O-ring	1
	N40	95-45		4250027	Trunnion cover	1
	N41	95-45		9004300-1460	O-ring	1
	N42	95-45		378083 (9007210-0804)	Screw	4
DR	N01	95-45		4350732	Trunnion cover assembly, on right side (SB-1999-040)	1
	N02	95-45		5000604	Trunnion lip seal (SB-2000-026)	1
	N03	95-45		378083 (9007210-0804)	Screw	4
	N04	95-45		9004300-1460	O-ring	1
	N40	95-45		4250027	Trunnion cover	1
	N41	95-45		9004300-1460	O-ring	1
	N42	95-45		378083 (9007210-0804)	Screw	4
DS	N01	96-07		4350732	Trunnion cover assembly, on left side	1
	N02	96-07		5000604	Trunnion lip seal	1
	N04	96-07		9004300-1460	O-ring	1
	N40	96-07		4250027	Trunnion cover	1
	N41	96-07		9004300-1460	O-ring	1
	N42	96-07		378083 (9007210-0804)	Screw	4
	N61	96-07		4440413	Front guide bracket	1
	N62	96-07		507205	Screw	4
DT	N01	96-07		4350732	Trunnion cover assembly, on right side	1
	N02	96-07		5000604	Trunnion lip seal	1
	N04	96-07		9004300-1460	O-ring	1
	N40	96-07		4250027	Trunnion cover	1
	N41	96-07		9004300-1460	O-ring	1
	N42	96-07		378083 (9007210-0804)	Screw	4
	N61	96-07		4440413	Front guide bracket	1
	N62	96-07		507205	Screw	4



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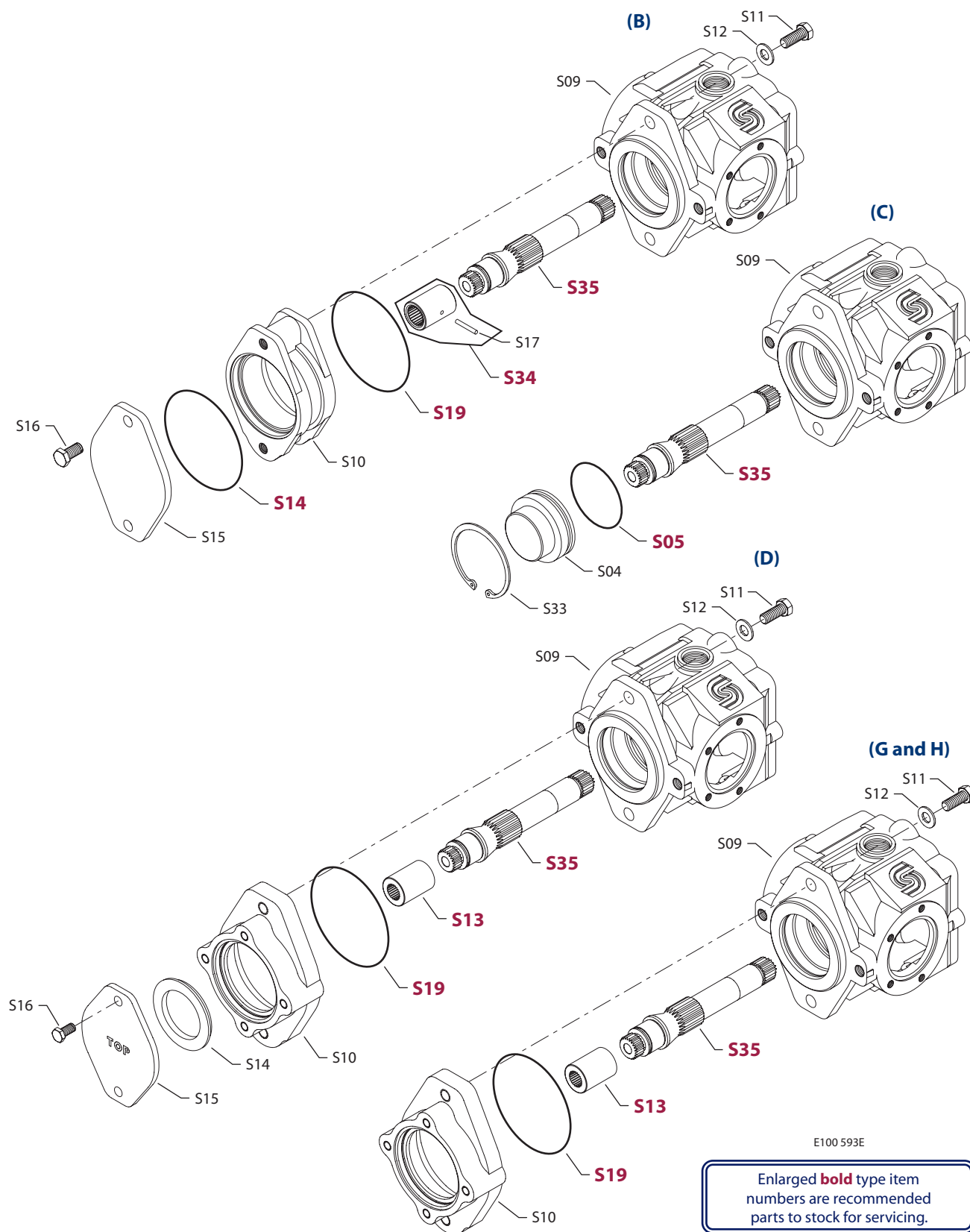
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

SWASHPLATE (REAR PUMP)

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
B	Q01	95-45		4350383	Swashplate, standard	1
	Q02	95-45		4350148	Thrust plate	1
	Q07	95-45		4800470	Bearing kit	1
	Q08	95-45		4800470	Bearing kit	1
C	Q01	95-45		4440019	Swashplate, .75" trunnion	1
	Q02	95-45		4350148	Thrust plate	1
	Q07	95-45		4800470	Bearing kit	1
	Q08	95-45		4800470	Bearing kit	1
D	Q01	99-24	07-18	4350738	Swashplate, DU bearing	1
	Q02	99-24	07-18	4350148	Thrust plate	1
	Q07	99-24	07-18	4250039	Bearing carrier assembly	1
	Q08	99-24	07-18	4250039	Bearing carrier assembly	1
	N03	99-24	07-18	4700010	Journal bearing	2
G	Q01	03-07		4350823	Swashplate, 24 mm diameter keyed, 14.6°	1
	Q02	03-07		4350148	Thrust plate	1
	Q07	03-07		4800470	Bearing kit	1
	Q08	03-07		4800470	Bearing kit	1
	Q10	05-05		1040275	Key	1
H	Q01	03-07		4350822	Swashplate, 24 mm diameter keyed, 16°	1
	Q02	03-07		4350148	Thrust plate	1
	Q07	03-07		4800470	Bearing kit	1
	Q08	03-07		4800470	Bearing kit	1
	Q10	05-05		1040275	Key	1

AUXILIARY MOUNTING FLANGE

1	S09	01-20		4440421	Housing	1
	S14	01-20		8801061	B pad seal	1
	S15	01-20		8801059	Cover plate	1
	S16	01-20		5000758	Screw	2
	S35	01-20		4440194	Shaft, rear	1
	S36	01-20		9801000	Lifting bracket	2
A	S09	95-45		4350350	Housing	1
	S10	95-45		4800161	A flange adapter	1
	S11	95-45		5000758	Screw	2
	S12	95-45		9009600-5391	Washer	2
	S13	95-45		4350113	Coupling, 9-tooth spline	1
	S14	95-45		4800482	A pad seal	1
	S15	95-45		4460586	Cover plate	1
	S16	95-45		9007200-3716	Screw	2
	S19	95-45		9004100-1550	O-ring	1
	S35	95-45		4350426	Shaft, rear	1

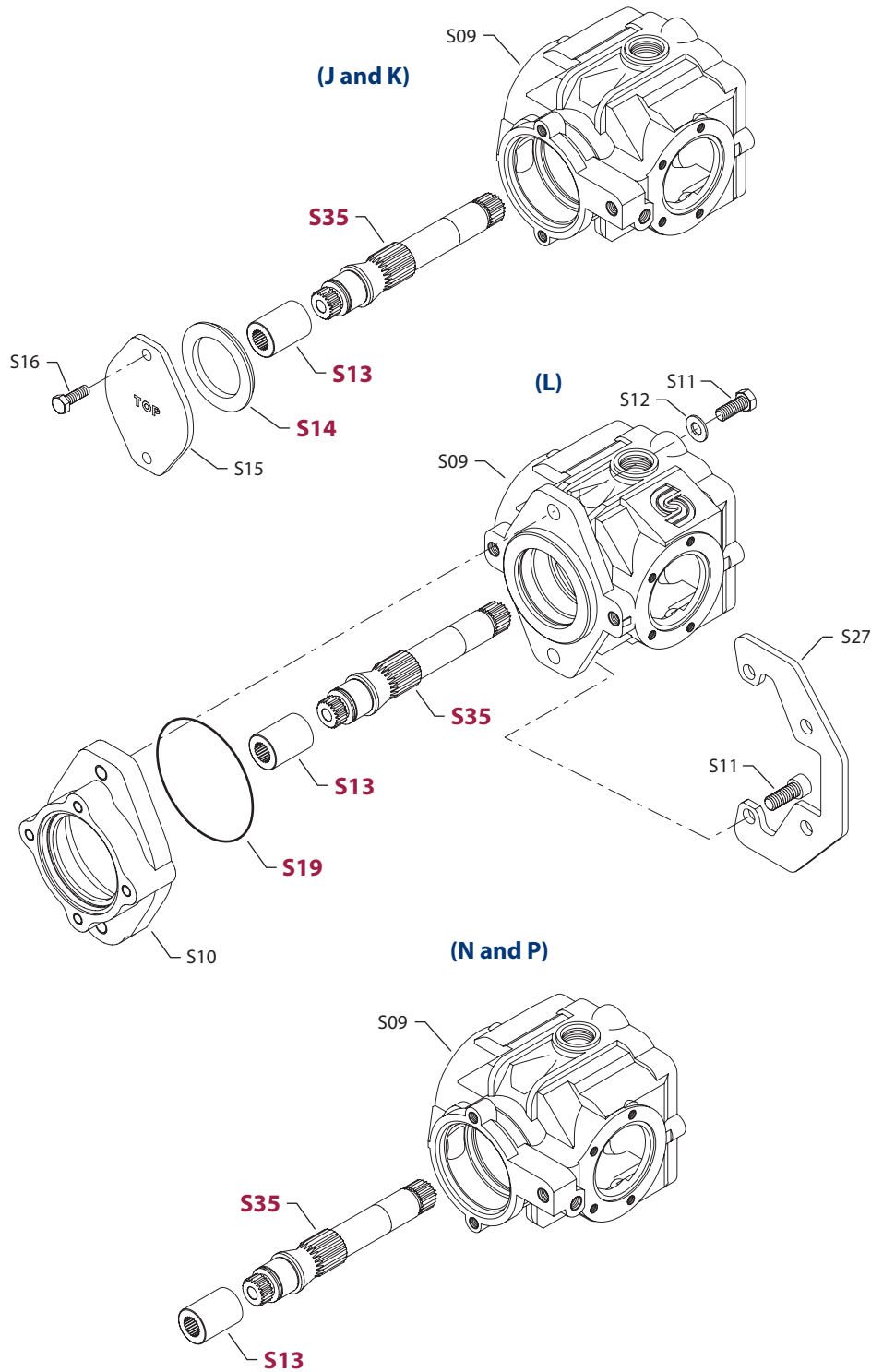


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Enlarged **bold** type item numbers are recommended parts to stock for servicing.

AUXILIARY MOUNTING FLANGE

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
B	S09	95-45		4350350	Housing	1
	S10	95-45		4800162	B flange adapter	1
	S11	95-45		5000758	Screw, with locking compound	2
	S12	95-45		9009600-5391	Washer	2
	S14	05-22		8801061	B pad seal	1
	S14	95-45	05-21	9004100-1550	O-ring	1
	S15	05-22		8801059	Cover plate	1
	S15	95-45	05-21	4460370	Cover plate	1
	S16	95-45		5000758	Screw, with locking compound	2
	S17	95-45		9004700-1222	Pin	1
	S19	95-45		9004100-1550	O-ring	1
	S34	95-45		4350691	Coupling assembly, 13-tooth spline	1
	S35	95-45		4350426	Shaft, rear	1
C	S04	95-45		4350689	Cover plate	1
	S05	95-45		784223 (9004100-1460)	O-ring	1
	S09	95-45		4350350	Housing	1
	S33	95-45		9006200-0281	Retaining ring	1
	S35	95-45		4350426	Shaft, rear	1
D	S09	95-45		4350350	Housing	1
	S10	95-45		4800183	A flange adapter	1
	S11	95-45		5000758	Screw, with locking compound	2
	S12	95-45		9009600-5391	Washer	2
	S13	95-45		762534 (4350189)	Coupling, 11-tooth spline	1
	S14	95-45		4800482	A pad seal	1
	S15	95-45		4460586	Cover plate	1
	S16	95-45		9007200-3716	Screw	2
	S19	95-45		9004100-1550	O-ring	1
	S35	95-45		4350426	Shaft, rear	1
G	S09	97-06		4350350	Housing	1
	S10	97-06		4800183	A flange adapter	1
	S11	97-06		5000758	Screw, with locking compound	2
	S12	97-06		9009600-5391	Washer	2
	S13	97-06		762534 (4350189)	Coupling, 11-tooth spline	1
	S19	97-06		9004100-1550	O-ring	1
	S35	97-06		4350426	Shaft, rear	1
H	S09	95-45		4350350	Housing	1
	S10	95-45		4800161	A flange adapter	1
	S11	95-45		9007200-5022	Screw	2
	S12	95-45		9009600-5391	Washer	2
	S13	95-45		4350113	Coupling, 9-tooth spline	1
	S19	95-45		9004100-1550	O-ring	1
	S35	95-45		4350426	Shaft, rear	1

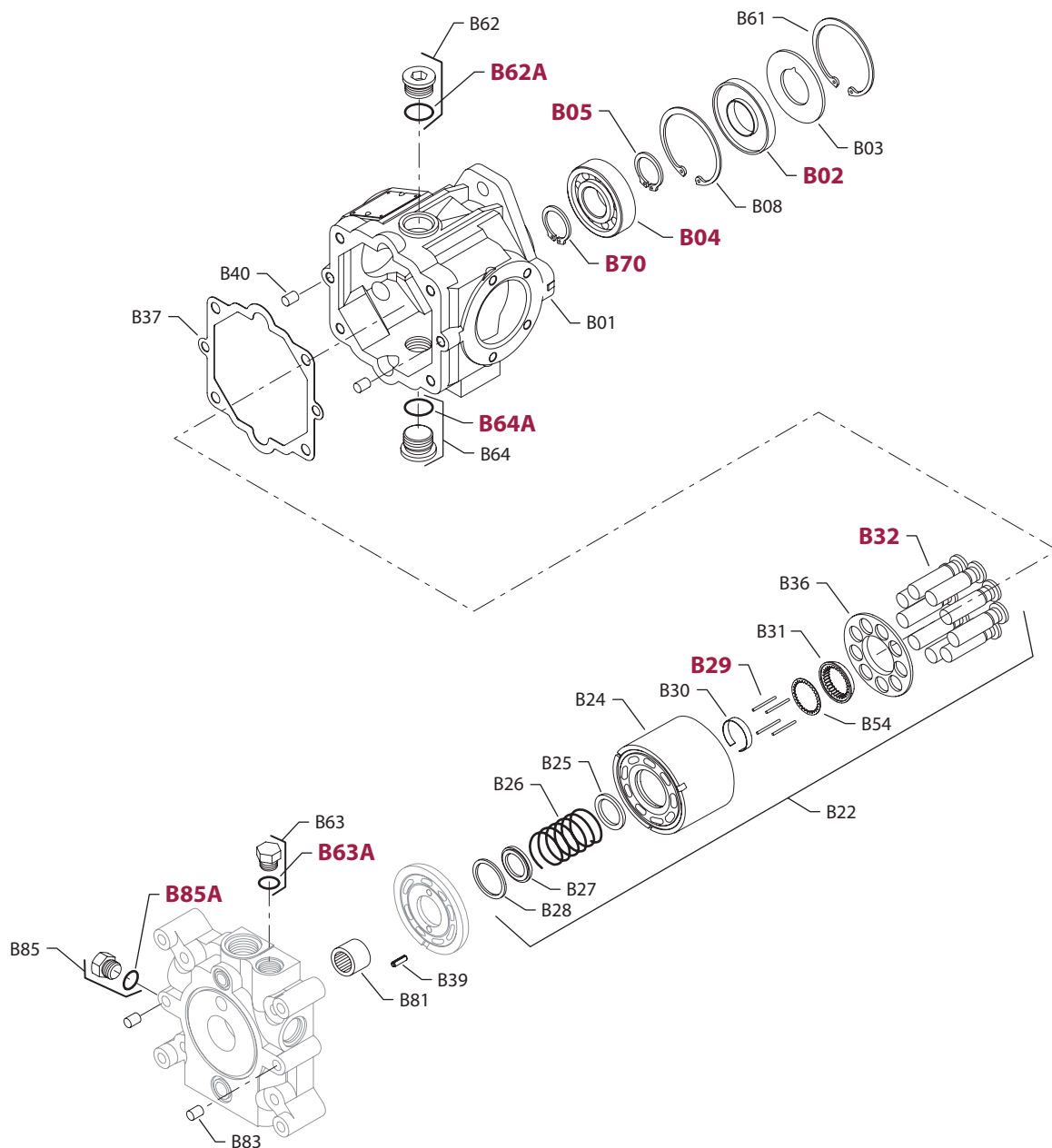


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AUXILIARY MOUNTING FLANGE

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
J	S09	96-22		4350382	Housing	1
	S13	96-22		4350113	Coupling, 9-tooth spline	1
	S14	96-22		4800482	A pad seal	1
	S15	96-22		4460586	Cover plate	1
	S16	96-22		9007200-3716	Screw	2
	S35	96-22		4350426	Shaft, rear	1
K	S09	96-22		4350382	Housing	1
	S13	96-22		762534 (4350189)	Coupling, 11-tooth spline	1
	S14	96-22		4800482	A pad seal	1
	S15	96-22		4460586	Cover plate	1
	S16	96-22		9007200-3716	Screw	2
	S35	96-22		4350426	Shaft, rear	1
L	S09	97-13		4350350	Housing	1
	S10	97-13		4800183	A flange adapter	1
	S11	97-13		019463 (9007300-5024)	Screw	2
	S12	97-13		9009600-5391	Washer	2
	S13	97-13		762534 (4350189)	Coupling, 11-tooth spline	1
	S19	97-13		9004100-1550	O-ring	1
	S27	97-13		6713377	Mounting bracket	1
	S35	97-13		4350426	Shaft, rear	1
N	S09	95-45		4350382	Housing	1
	S13	95-45		4350113	Coupling, 9-tooth spline	1
	S35	95-45		4350426	Shaft, rear	1
P	S09	95-45		4350382	Housing	1
	S13	95-45		762534 (4350189)	Coupling, 11-tooth spline	1
	S35	95-45		4350426	Shaft, rear	1

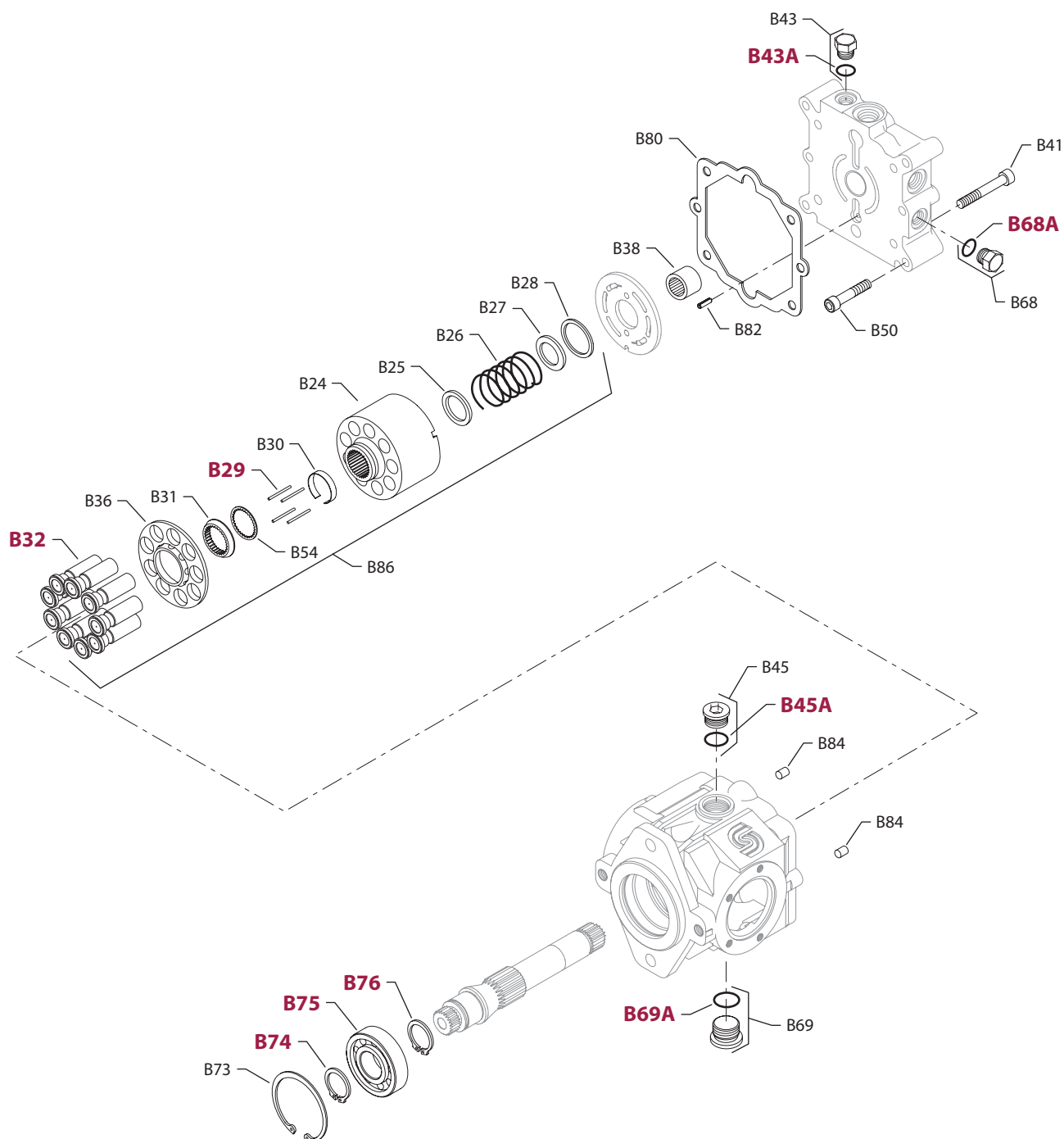


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COMMON PARTS, FRONT PUMP

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	B01	95-45		4350350	Housing, front pump	1
	B02	95-45		5000689	Lip seal (SB-2003-018)	1
	B03	95-45		4350455	Seal support washer	1
	B04	95-45		373282 (9001315-0011)	Ball bearing	1
	B05	95-45		615245 (9006300-0137)	Retaining ring	1
	B08	95-45		9006200-0281	Retaining ring	1
	B22	95-45		4350291	Cylinder block kit	1
	B24	95-45		4350628	Cylinder block	1
	B25	95-45		4350012	Washer	1
	B26	95-45		4350172	Spring	1
	B27	95-45		9009625-0105	Special washer	1
	B28	95-45		9006250-0162	Retaining ring	1
	B29	95-45		9004875-0109	Holddown pin	4
	B30	95-45		4350048	Holddown pin retainer	1
	B31	95-45		4350186	Slipper retainer guide	1
	B32	95-45		4350253	Piston assembly	9
	B36	95-45		4350185	Slipper retainer	1
	B37	95-45		4350145	End cap gasket	1
	B39	95-45		015701 (9004700-1910)	Slotted pin	1
	B40	95-45		5000529	Dowel pin (SB-1998-092)	2
	B54	95-45		4350187	Thrust washer	1
	B61	95-45		9006200-0281	Retaining ring	1
	B62	95-45		664524 (9005110-9000)	Plug assembly	1
	B62A	95-45		001156 (9004201-7500)	O-ring	1
	B63	95-45		046151 (9005100-5600)	Plug assembly	1
	B63A	95-45		085043 (9004201-3700)	O-ring	1
	B64	95-45		664524 (9005110-9000)	Plug assembly	1
	B64A	95-45		001156 (9004201-7500)	O-ring	1
	B70	95-45		615245 (9006300-0137)	Retaining ring	1
	B81	95-45		510993 (9001465-0015)	Needle bearing	1
	B83	95-45		5000529	Dowel pin (SB-1998-092)	2
	B85	95-45		046151 (9005100-5600)	Plug assembly	1
	B85A	95-45		085043 (9004201-3700)	O-ring	1



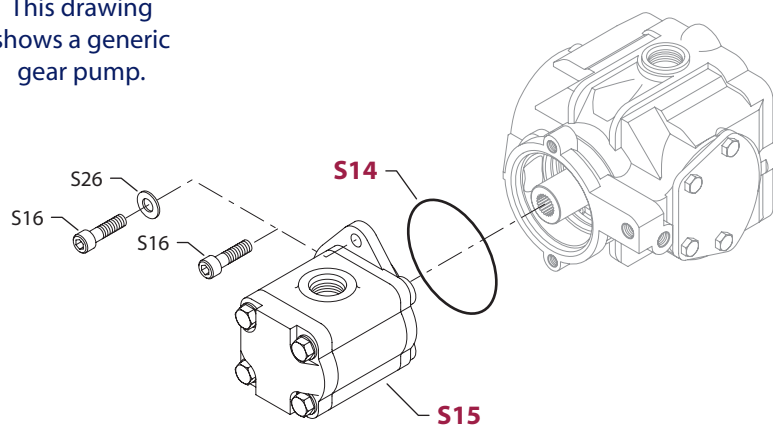
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COMMON PARTS, REAR PUMP

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	B24	95-45		4350628	Cylinder block	1
	B25	95-45		4350012	Washer	1
	B26	95-45		4350172	Spring	1
	B27	95-45		9009625-0105	Special washer	1
	B28	95-45		9006250-0162	Retaining ring	1
	B29	95-45		9004875-0109	Holddown pin	4
	B30	95-45		4350048	Holddown pin retainer	1
	B31	95-45		4350186	Slipper retainer guide	1
	B32	95-45		4350253	Piston assembly	9
	B36	95-45		4350185	Slipper retainer	1
	B38	95-45		510993 (9001465-0015)	Needle bearing	1
	B41	95-45		654053 (9007314-1012)	Screw	4
	B43	95-45		046151 (9005100-5600)	Plug assembly	1
	B43A	95-45		085043 (9004201-3700)	O-ring	1
	B45	95-45		664524 (9005110-9000)	Plug assembly	1
	B45A	95-45		001156 (9004201-7500)	O-ring	1
	B50	95-45		9007314-1014	Screw	4
	B54	95-45		4350187	Thrust washer	1
	B68	95-45		046151 (9005100-5600)	Plug assembly	1
	B68A	95-45		085043 (9004201-3700)	O-ring	1
	B69	95-45		664524 (9005110-9000)	Plug assembly	1
	B69A	95-45		001156 (9004201-7500)	O-ring	1
	B73	95-45		9006200-0281	Retaining ring	1
	B74	95-45		615245 (9006300-0137)	Retaining ring	1
	B75	95-45		373282 (9001315-0011)	Ball bearing	1
	B76	95-45		615245 (9006300-0137)	Retaining ring	1
	B80	95-45		4350145	End cap gasket	1
	B82	95-45		015701 (9004700-1910)	Slotted pin	1
	B84	95-45		5000529	Dowel pin (SB-1998-092)	2
	B86	95-45		4350291	Cylinder block kit	1

This drawing
shows a generic
gear pump.



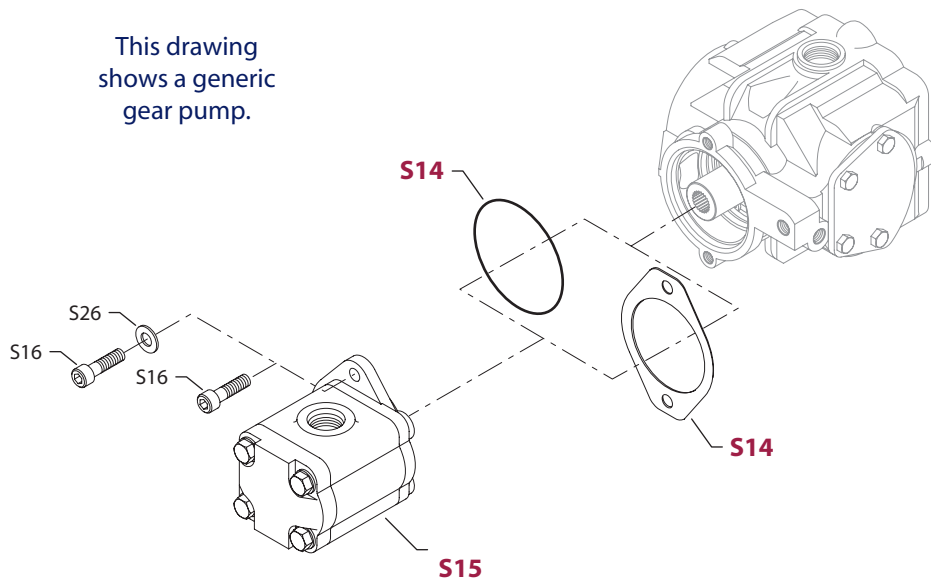
E100 597E

Enlarged **bold** type item
numbers are recommended
parts to stock for servicing.

SPECIAL HARDWARE

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
GNB	S14	97-17		5000373	O-ring	1
	S15	97-17		550134727	Gear pump	1
	S16	97-17		9007300-3722	Screw	2
GNJ	S14	95-45		5000373	O-ring	1
	S15	95-45		00111.20.132.00	Gear pump	1
	S16	95-45		9007300-3722	Screw	2
	S26	95-45		002329 (9009610-4069)	Washer	2
GNK	S14	95-45		5000373	O-ring	1
	S15	95-45		181.20.B06.00	Gear pump	1
	S16	95-45		9007300-3722	Screw	2
	S26	95-45		002329 (9009610-4069)	Washer	2
GNL	S14	95-45		5000373	O-ring	1
	S15	95-45		B5501-30574	Gear pump	1
	S16	95-45		9007300-3722	Screw	2
GNN	S14	95-45		5000373	O-ring	1
	S15	95-45		550135946	Gear pump	1
	S16	95-45		9007300-3722	Screw	2
GNR	S14	96-02		5000373	O-ring	1
	S15	96-02		550131436	Gear pump	1
	S16	96-02		9007300-3722	Screw	2
GNS	S14	96-02		5000373	O-ring	1
	S15	96-02		111.20.347.00	Gear pump	1
	S16	96-02		9007300-3722	Screw	2
	S26	96-02		002329 (9009610-4069)	Washer	2
GNT	S14	96-02		5000373	O-ring	1
	S15	96-02		550133500	Gear pump	1
	S16	96-02		9007300-3722	Screw	2
GNV	S14	96-02		5000373	O-ring	1
	S15	96-02		550133874	Gear pump	1
	S16	96-02		9007300-3722	Screw	2
GNW	S14	96-07		5000373	O-ring	1
	S15	96-07		550136006	Gear pump	1
	S16	96-07		9007300-3722	Screw	2
GNX	S14	96-10		5000373	O-ring	1
	S15	96-10		550135836	Gear pump	1
	S16	96-10		9007300-3722	Screw	2

This drawing
shows a generic
gear pump.



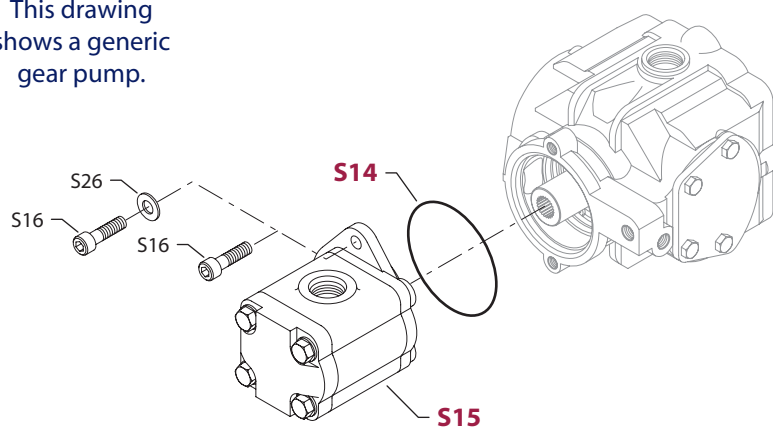
E100 598E

Enlarged **bold** type item
numbers are recommended
parts to stock for servicing.

SPECIAL HARDWARE

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
GNY	S14	96-10		5000373	O-ring	1
	S15	96-10		550135837	Gear pump	1
	S16	96-10		9007300-3722	Screw	2
GNZ	S14	07-21		5000373	O-ring	1
	S15	07-21		550135836	Gear pump	1
	S16	07-21		9007300-3722	Screw	2
GPH	S14	96-36		5000373	O-ring	1
	S15	96-36		550133032	Gear pump	1
	S16	96-36		9007300-3722	Screw	2
GPJ	S14	96-36		5000373	O-ring	1
	S15	96-36		550135636	Gear pump	1
	S16	96-36		9007300-3722	Screw	2
GPN	S14	97-07		5000373	O-ring	1
	S15	97-07		550133874	Gear pump	1
	S16	97-07		9007300-3722	Screw	2
GPT	S14	97-31		5000373	O-ring	1
	S15	97-31		550136836	Gear pump	1
	S16	97-31		9007300-3722	Screw	2
GRS	S14	00-34		4800191	A pad gasket	1
	S15	00-34		550137614	Gear pump	1
	S16	00-34		9007300-3722	Screw	2
	S26	00-34		002329 (9009610-4069)	Washer	2
GRT	S14	00-34		5000373	O-ring	1
	S15	00-34		550137468	Gear pump	1
	S16	00-34		9007300-3722	Screw	2
	S26	00-34		002329 (9009610-4069)	Washer	2
GRU	S14	99-20		5000373	O-ring	1
	S15	99-20		550137486	Gear pump	1
	S16	99-20		9007300-3722	Screw	2
	S26	99-20		002329 (9009610-4069)	Washer	2
GSX	S14	00-45		5000373	O-ring	1
	S15	00-45		111.20.134.00	Gear pump	1
	S16	00-45		9007300-3722	Screw	2
	S26	00-45		002329 (9009610-4069)	Washer	2
GSZ	S14	00-45		5000373	O-ring	1
	S15	00-45		550134569	Gear pump	1
	S16	00-45		9007300-3722	Screw	2

This drawing
shows a generic
gear pump.

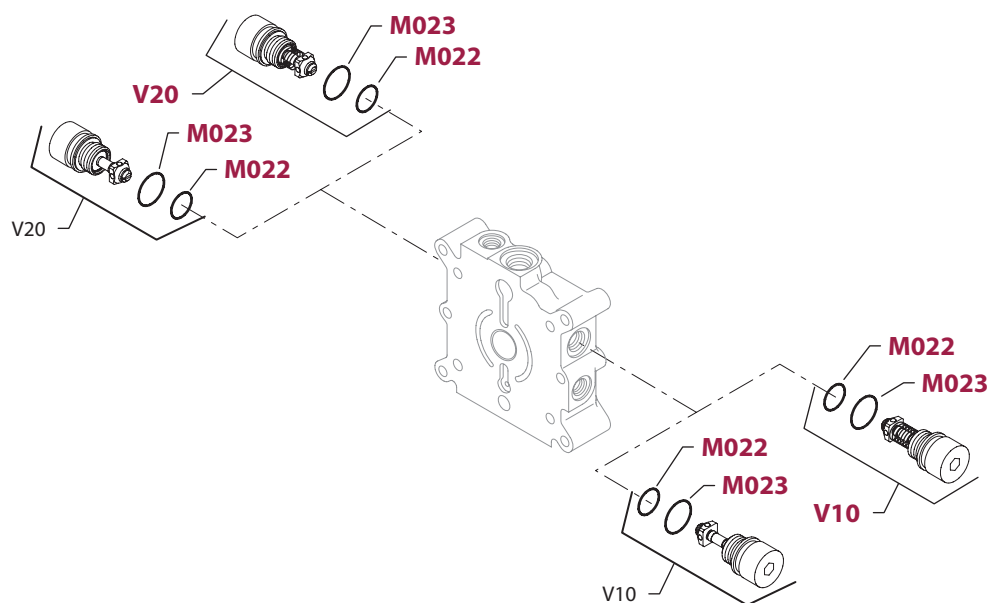


E100 597E

Enlarged **bold** type item
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SPECIAL HARDWARE

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
GTG	S14	01-41		5000373	O-ring	1
	S15	01-41		550138668	Gear pump	1
	S16	01-41		9007300-3722	Screw	2
	S26	01-41		002329 (9009610-4069)	Washer	2
GUG	S14	04-18		5000373	O-ring	1
	S15	01-41		163D71570	Gear pump	1
	S16	01-41		9007300-3716	Screw	2
	S26	01-41		002329 (9009610-4069)	Washer	2
NGG	S14	06-10		5000373	O-ring	1
	S15	06-10		550138668	Gear pump	1
	S16	06-10		9007300-3722	Screw	2
	S26	06-10		002329 (9009610-4069)	Washer	2
NGV		06-10		None		
NGW	S14	06-10		5000373	O-ring	1
	S15	06-10		550136006	Gear pump	1
	S16	06-10		9007300-3722	Screw	2
NGX	S14	06-10		5000373	O-ring	1
	S15	06-10		550135836	Gear pump	1
	S16	06-10		9007300-3722	Screw	2
NGY	S14	06-10		5000373	O-ring	1
	S15	06-10		550135837	Gear pump	1
	S16	06-10		9007300-3722	Screw	2
NGZ	S14	06-10		5000373	O-ring	1
	S15	06-10		550134569	Gear pump	1
	S16	06-10		9007300-3722	Screw	2
NNN		95-45		None		
NOP		06-14		None		
NTG	S14	06-10		5000373	O-ring	1
	S15	06-10		550135837	Gear pump	1
	S16	06-10		9007300-3722	Screw	2
NYJ		06-16		None		



E100 577E

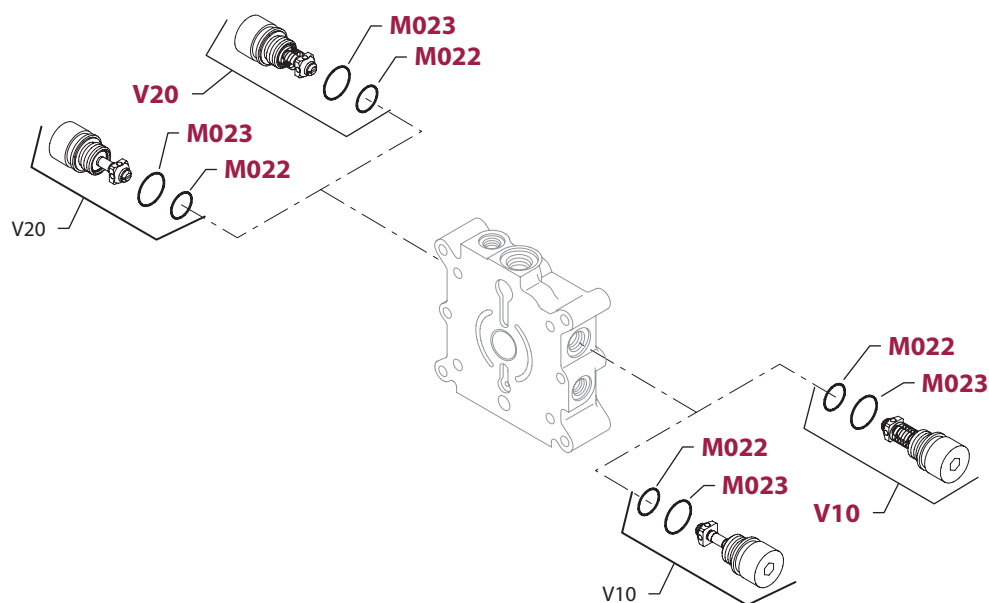
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

COMMON SYSTEM PRESSURE PROTECTION PARTS

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	M022	95-45		001131 (9004201-5000)	O-ring	2
	M023	95-45		9004100-2110	O-ring	2

SYSTEM PRESSURE PROTECTION (REAR PUMP)

AAA	V10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	V20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
BBB	V10	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
	V20	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
BBJ	V10	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
	V20	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
BDD	V10	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
	V20	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
BEE	V10	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
	V20	95-45		4350640	SCR valve assembly, 230 bar [3335 psi] (SB-1996-014)	1
BFF	V10	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
	V20	95-45		4350639	SCR valve assembly, 250 bar [3625 psi] (SB-1996-014)	1
BGG	V10	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
	V20	95-45		4350638	SCR valve assembly, 280 bar [4060 psi] (SB-1996-014)	1
BHH	V10	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
	V20	95-45		4350637	SCR valve assembly, 300 bar [4350 psi] (SB-1996-014)	1
BJB	V10	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
	V20	95-45		4350643	SCR valve assembly, 175 bar [2528 psi] (SB-1996-014)	1
BJJ	V10	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
	V20	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
BLL	V10	95-45		4350646	SCR valve assembly, 415 bar [6020 psi] (SB-1996-014)	1
	V20	95-45		4350646	SCR valve assembly, 415 bar [6020 psi] (SB-1996-014)	1
BMM	V10	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
	V20	95-45		4350635	SCR valve assembly, 140 bar [2030 psi] (SB-1996-014)	1
BNN	V10	95-45		4350644	SCR valve assembly, 260 bar [3770 psi] (SB-1996-014)	1
	V20	95-45		4350644	SCR valve assembly, 260 bar [3770 psi] (SB-1996-014)	1
BSS	V10	97-27		4350694	SCR valve assembly, 385 bar [5580 psi]	1
	V20	97-27		4350694	SCR valve assembly, 385 bar [5580 psi]	1



E100 577E

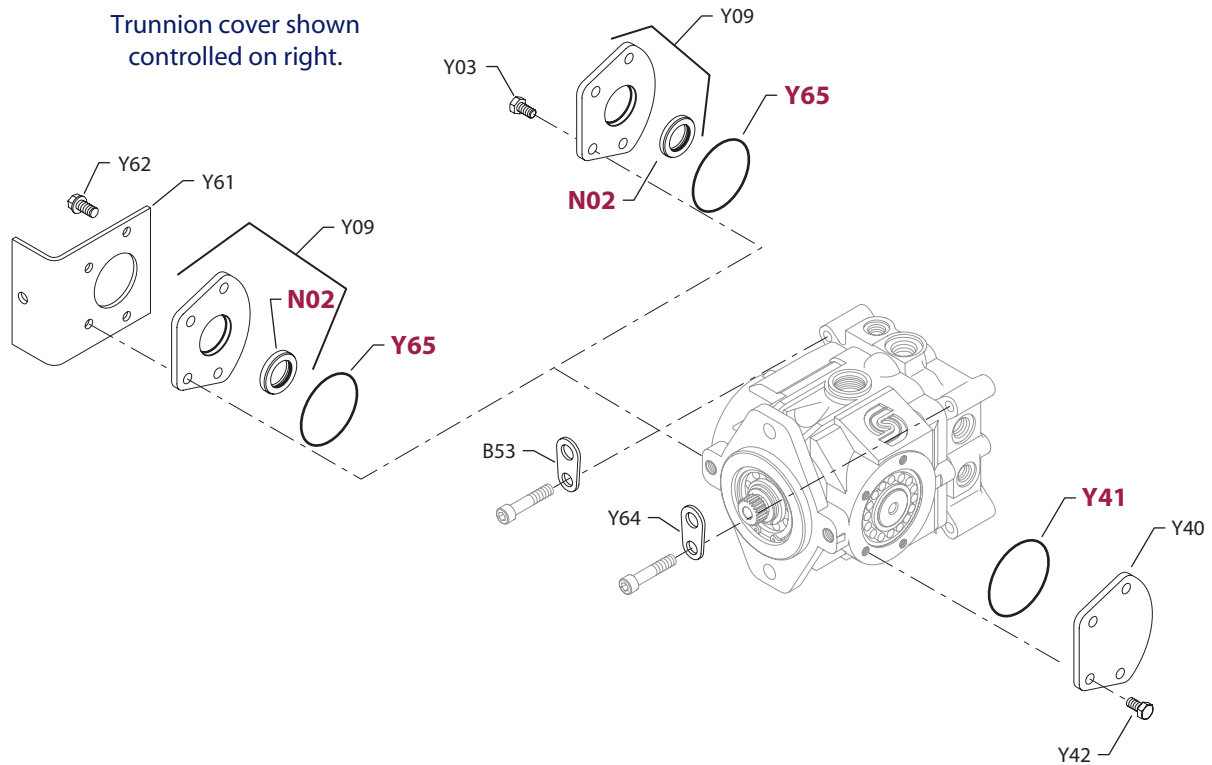
Enlarged **bold** type item numbers are recommended parts to stock for servicing.

COMMON SYSTEM PRESSURE PROTECTION PARTS

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
	M022	95-45		001131 (9004201-5000)	O-ring	2
	M023	95-45		9004100-2110	O-ring	2

SYSTEM PRESSURE PROTECTION

CBA	V10	96-28		4350643	SCR valve assembly, 175 bar [2528 psi]	1
	V20	96-28		4350634	Check valve poppet assembly	1
CCA	V10	95-45		4350642	SCR valve assembly, 190 bar [2755 psi] (SB-1996-014)	1
	V20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CDA	V10	95-45		4350641	SCR valve assembly, 210 bar [3045 psi] (SB-1996-014)	1
	V20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
CEA	V10	99-17		4350640	SCR valve assembly, 230 bar [3335 psi]	1
	V20	99-17		4350634	Check valve poppet assembly	1
CGA	V10	98-24		4350638	SCR valve assembly, 280 bar [4060 psi]	1
	V20	98-24		4350634	Check valve poppet assembly	1
CJA	V10	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
	V20	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
DAJ	V10	95-45		4350634	Check valve poppet assembly (SB-1996-014)	1
	V20	95-45		4350636	SCR valve assembly, 345 bar [5000 psi] (SB-1996-014)	1
EFF	V10	98-47		4250139	SCR valve assembly, 250 bar [3625 psi]	1
	V20	98-47		4250139	SCR valve assembly, 250 bar [3625 psi]	1
ETT	V10	98-31		4350723	SCR valve assembly, 345 bar [5000 psi]	1
	V20	98-31		4350723	SCR valve assembly, 345 bar [5000 psi]	1

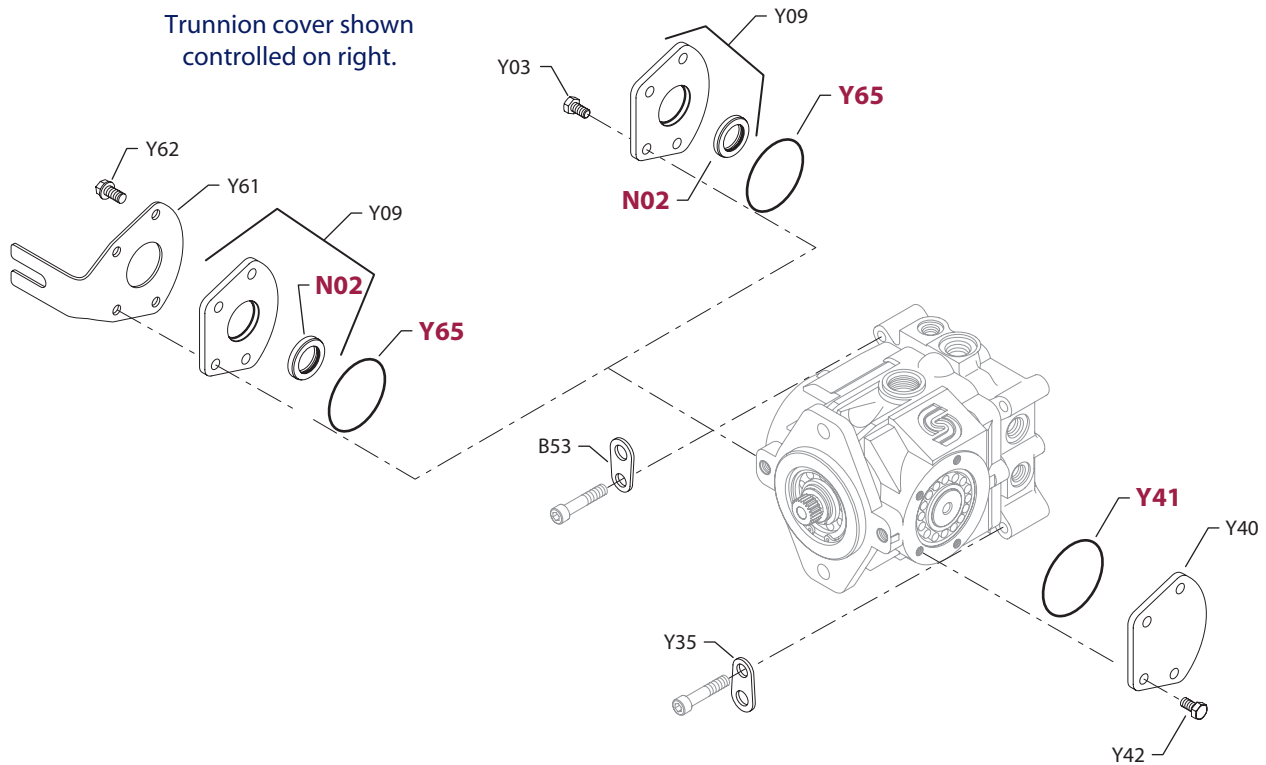


E100 600E

Enlarged **bold** type item numbers are recommended parts to stock for servicing.

DIRECT DISPLACEMENT CONTROL

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
DL	B53	95-45		8800565	Lifting bracket	1
	N02	95-45		5000604	Trunnion lip seal (SB-2000-026)	1
	Y03	95-45		378083 (9007210-0804)	Screw	4
	Y09	95-45		4350732	Trunnion cover assembly, on left side (SB-1999-040)	1
	Y40	95-45		4250027	Trunnion cover	1
	Y41	95-45		9004300-1460	O-ring	1
	Y42	95-45		378083 (9007210-0804)	Screw	4
	Y65	95-45		9004300-1460	O-ring	1
DN	N02	98-24		5000604	Trunnion lip seal (SB-2000-026)	1
	Y09	98-24		4350732	Trunnion cover assembly, on left side (SB-1999-040)	1
	Y40	98-24		4250027	Trunnion cover	1
	Y41	98-24		9004300-1460	O-ring	1
	Y42	98-24		378083 (9007210-0804)	Screw	4
	Y61	98-24		4440414	Rear bracket	1
	Y62	98-24		507205	Screw	4
	Y65	98-24		9004300-1460	O-ring	1
DR	B53	95-45		8800565	Lifting bracket	1
	N02	95-45		5000604	Trunnion lip seal (SB-2000-026)	1
	Y03	95-45		378083 (9007210-0804)	Screw	4
	Y09	95-45		4350732	Trunnion cover assembly, on right side (SB-1999-040)	1
	Y40	95-45		4250027	Trunnion cover	1
	Y41	95-45		9004300-1460	O-ring	1
	Y42	95-45		378083 (9007210-0804)	Screw	4
	Y65	95-45		9004300-1460	O-ring	1
DS	N02	96-07		5000604	Trunnion lip seal	1
	Y09	96-07		4350732	Trunnion cover assembly, on left side	1
	Y40	96-07		4250027	Trunnion cover	1
	Y41	96-07		9004300-1460	O-ring	1
	Y42	96-07		378083 (9007210-0804)	Screw	4
	Y61	96-07		4440414	Rear bracket	1
	Y62	96-07		507205	Screw	4
	Y64	96-07		8800565	Lifting bracket	1
	Y65	96-07		9004300-1460	O-ring	1
DT	Y09	96-07		4350732	Trunnion cover assembly, on right side	1
	N02	96-07		5000604	Trunnion lip seal	1
	Y40	96-07		4250027	Trunnion cover	1
	Y41	96-07		9004300-1460	O-ring	1
	Y42	96-07		378083 (9007210-0804)	Screw	4
	Y61	96-07		4440414	Rear bracket	1
	Y62	96-07		507205	Screw	4
	Y65	96-07		9004300-1460	O-ring	1



E100 601E

Enlarged **bold** type item numbers are recommended parts to stock for servicing.

DIRECT DISPLACEMENT CONTROL

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
DW	B53	96-36		8800565	Lifting bracket	1
	N02	96-36		5000604	Trunnion lip seal (SB-2000-026)	1
	Y09	96-36		4350732	Trunnion cover assembly, on right side (SB-1999-040)	1
	Y40	96-36		4250027	Trunnion cover	1
	Y41	96-36		9004300-1460	O-ring	1
	Y42	96-36		378083 (9007210-0804)	Screw	4
	Y61	96-36		4350761	Trunnion bracket	1
	Y62	96-36		507205	Screw	4
	Y65	96-36		9004300-1460	O-ring	1
DX	N02	99-22		5000604	Trunnion lip seal (SB-2000-026)	1
	Y03	99-22		378083 (9007210-0804)	Screw	4
	Y09	99-22		4350732	Trunnion cover assembly, on right side	1
	Y35	99-22		8800565	Lifting bracket	1
	Y40	99-22		4250027	Trunnion cover	1
	Y41	99-22		9004300-1460	O-ring	1
	Y42	99-22		378083 (9007210-0804)	Screw	4
	Y65	99-22		9004300-1460	O-ring	1
DY	N02	96-28		5000604	Trunnion lip seal (SB-2000-026)	1
	Y03	96-28		378083 (9007210-0804)	Screw	4
	Y09	96-28		4350732	Trunnion cover assembly, on left side (SB-1999-040)	1
	Y35	96-28		8800565	Lifting bracket	1
	Y40	96-28		4250027	Trunnion cover	1
	Y41	96-28		9004300-1460	O-ring	1
	Y42	96-28		378083 (9007210-0804)	Screw	4
	Y65	96-28		9004300-1460	O-ring	1

OVERHAUL SEAL KIT

Order code	Item	Date begin	Date end	Part number	Part name	Qty. per model/kit
		95-45		4510150	Overhaul seal kit, MPT035/44D	1
	B02	95-45		5000689	Lip seal (SB-2003-018)	1
	B37	95-45		4350145	End cap gasket	1
	B43A	95-45		085043 (9004201-3700)	O-ring, .078 x .468, nitrile, 90D	1
	B45A	95-45		001156 (9004201-7500)	O-ring, .116 x .924, nitrile, 90D	1
	B62A	95-45		001156 (9004201-7500)	O-ring, .116 x .924, nitrile, 90D	1
	B63A	95-45		085043 (9004201-3700)	O-ring, .078 x .468, nitrile, 90D	1
	B64A	95-45		001156 (9004201-7500)	O-ring, .116 x .924, nitrile, 90D	1
	B68A	95-45		085043 (9004201-3700)	O-ring, .078 x .468, nitrile, 90D	1
	B69A	95-45		001156 (9004201-7500)	O-ring, .116 x .924, nitrile, 90D	1
	B85A	95-45		085043 (9004201-3700)	O-ring, .078 x .468, nitrile, 90D	1
	B80	95-45		4350145	End cap gasket	1
	G06	95-45		5000352	O-ring, .139 x 1.609, nitrile, 90D	1
	G06	95-45		673236 (9004100-1310)	O-ring, .103 x 1.674, nitrile, 70D	1
	G07	95-45		065466 (9004100-1530)	O-ring, .103 x 3.487, nitrile, 70D	1
	G07	95-45		9004100-2370	O-ring, .139 x 3.359, nitrile, 70D	1
	H01A	95-45		001149 (9004201-6200)	O-ring, .097 x .755, nitrile, 90D	1
	J05A	95-45		001149 (9004201-6200)	O-ring, .097 x .755, nitrile, 90D	1
	J09A	95-45		001149 (9004201-6200)	O-ring, .097 x .755, nitrile, 90D	1
	J10A	95-45		001149 (9004201-6200)	O-ring, .097 x .755, nitrile, 90D	1
	J11	95-45		511852 (9004100-1140)	O-ring, .103 x .612, nitrile, 70D	1
	J12	95-45		511853 (9004100-1180)	O-ring, .103 x .862, nitrile, 70D	1
	M022	95-45		001131 (9004201-5000)	O-ring, .087 x .644, nitrile, 90D	2
	M023	95-45		9004100-2110	O-ring, .139 x .796, nitrile, 70D	2
	N02	95-45		5000604	Trunnion lip seal	2
	N02	95-45		5000671	Trunnion lip seal, 1 1/4"	2
	N04	95-45		9004300-1460	O-ring, rectangular	1
	N41	95-45		9004300-1460	O-ring, rectangular	1
	S05	95-45		784223 (9004100-1460)	O-ring, .103 x 2.612, nitrile, 70D	1
	S14	95-45		5000373	O-ring, .103 x 3.237, nitrile, 90D	1
	S14	95-45		9004100-1550	O-ring, .103 x 3.987, nitrile, 70D	1
	S14	95-45		4800191	A pad gasket	1
	S19	95-45		393454 (9004100-0440)	O-ring, .070 x 3.739, nitrile, 70D	1
	S19	95-45		9004100-1550	O-ring, .103 x 3.987, nitrile, 70D	1
	S19	95-45		5000373	O-ring, .103 x 3.237, nitrile, 90D	1
	Y41	95-45		9004300-1460	O-ring, rectangular	1
	Y65	95-45		9004300-1460	O-ring, rectangular	1

PRODUCTS AFFECTED

Series 40: M25, M35, M44 pumps, and tandem pumps

SUBJECT

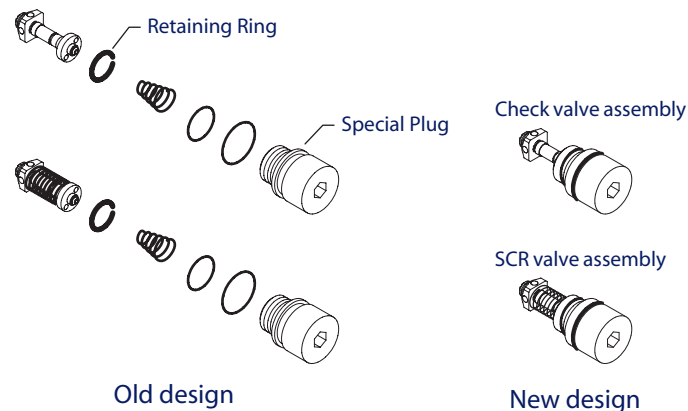
Redesign the retention method in check valve assemblies

DESCRIPTION

As a product improvement, Sauer-Danfoss changed the retention method in the check valve assembly, and SCR valve assembly. The old design allowed the check valve and SCR valve assembly to be disassembled. That retention method had the potential to hang up the valves on the retaining ring. The new design uses a different style. The retaining ring will not hang up on the valve; however, it does not allow the assembly to be taken apart.

All new repairs, conversions, or purchases of a check valve or SCR valve require the entire assembly be exchanged.

The new and old assemblies are totally interchangeable. The special plug part number 4350182, and the internal retaining ring part number 4350183, are obsolete. They are no longer available as service parts.



MODELS AFFECTED

All Series 40: M25, M35, and M44 single and tandem pumps

SERIAL NUMBERS

This change became effective at serial number 96-40-xxxxx.

PART NUMBERS AFFECTED

Description	Old part number	New part number	Relief valve set point
Poppet-check valve ass'y	3103348	4350634	N/A
SCR valve assembly	3103375-0140	4350635	140 bar [2030 psi]
SCR valve assembly	3103375-0175	4350643	175 bar [2528 psi]
SCR valve assembly	3103375-0190	4350642	190 bar [2755 psi]
SCR valve assembly	3103375-0210	4350641	210 bar [3045 psi]
SCR valve assembly	3103375-230	4350640	230 bar [3335 psi]
SCR valve assembly	3103375-250	4350639	250 bar [3625 psi]
SCR valve assembly	3103375-260	4350644	260 bar [3770 psi]
SCR valve assembly	3103375-0280	4350638	280 bar [4060 psi]
SCR valve assembly	3103375-0300	4350637	300 bar [4350 psi]
SCR valve assembly	3103375-0325	4350645	325 bar [4712 psi]
SCR valve assembly	3103375-0345	4350636	345 bar [5000 psi]
SCR valve assembly	3103375-0415	4350646	415 bar [6020 psi]

PARTS DISPOSITION

■ Interchangeable

PRODUCTS AFFECTED

Series 40: M35 and M44 variable motors, variable pumps, and tandem pumps

SUBJECT

Housing to end cap dowel pin change

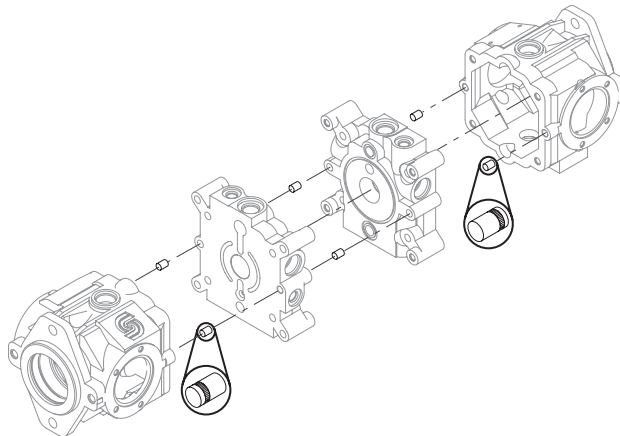
DESCRIPTION

Sauer-Danfoss introduced a design improvement to the dowel pins that align the variable housing and end cap for the Series 40 M35 and M44 variable motors, variable pumps, and tandem variable pumps.

Each variable motor and variable pump assembly uses two dowel pins to align the end cap to the pump housing. The assembly is designed so the dowel pin is installed in the variable housing before the end cap is positioned on the assembly. The tandem variable pump uses the same dowel pin to align the two halves of the tandem pump assembly. Previously, a slip fit existed between the holes in the variable housing and the pin.

The design of the dowel pin changed to incorporate a knurled section on the pin. The fit between the dowel pin and the pilot hole in the variable housing changed to a slight interference fit. This change improves the serviceability of the motor and pump assembly, by reducing the potential for the pins to dislodge from the housing when servicing the product.

To help identify this change, we have a new dowel pin part number. The new pin is completely interchangeable with the old pin. The old pin remains available as a service item, since it is in a variety of Sauer-Danfoss products.



MODELS AFFECTED

M35-4xxx, 4354xxx, 4444xxx variable displacement motors
M35-2xxx, 4352xxx, 4442xxx variable displacement pumps
M91-35xxx, 4355xxx, 4445xxx tandem variable displacement pumps

SERIAL NUMBERS

This change became effective at serial number A-99-10-xxxxx.

PART NUMBERS AFFECTED

New dowel pin	Old dowel pin
5000529	9004800-3708

PARTS DISPOSITION

- Interchangeable
- Use parts in stock

PRODUCTS AFFECTED

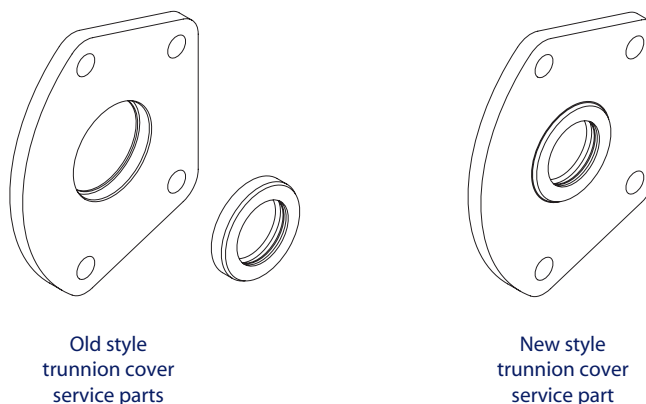
Series 40: M25, M35, and M44 pumps

SUBJECT

Trunnion cover/seals

DESCRIPTION

As a quality improvement, Sauer-Danfoss is preassembling trunnion seals into the trunnion cover for all Series 40 variable and tandem direct displacement pumps. The trunnion cover/seal assembly and the trunnion seal is available as a service part. The trunnion cover is no longer available as a service part.



MODELS AFFECTED

Service parts for all Series 40: M25, M35, and M44 pumps

SERIAL NUMBERS

Service part (not applicable).

PART NUMBERS AFFECTED

Item description	Part number
Trunnion cover assembly	4350732
Lip seal	5000465
Trunnion cover	4250025 (no longer available as a service part)

PARTS DISPOSITION

- Interchangeable
- Use parts in stock

PRODUCTS AFFECTED

Series 40: M25, M35 and M44 pumps and variable motors

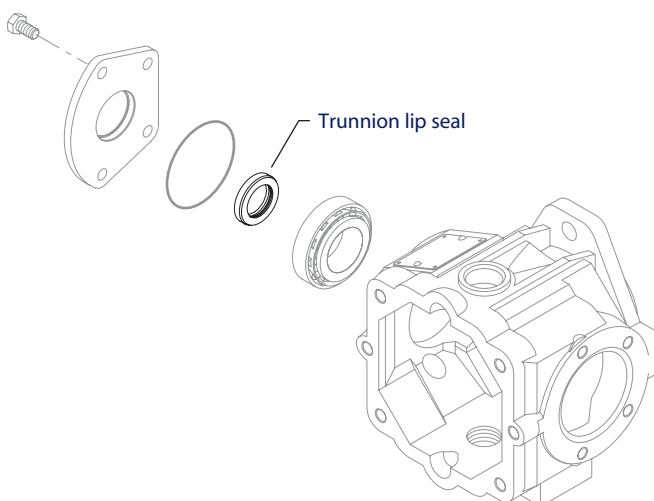
SUBJECT

Trunnion seal change

DESCRIPTION

As a product improvement, Sauer-Danfoss made a design change to the trunnion seal on M25, M35, and M44 pumps and variable motors. The dust lip is extended, allowing more installation concentricity tolerance, and more forgiving during installation. Now there will be fewer low hour trunnion seal failures caused by improper installation.

The new seal is interchangeable with the old seal. Sauer-Danfoss recommends that the seal be replaced when servicing these units. The old seal (5000465) remains available as it is in other products.



MODELS AFFECTED

Series 40: M25, M35, and M44 pump and variable motors

SERIAL NUMBERS

This change became effective at serial number K-00-46-xxxxx.

PART NUMBERS AFFECTED

Item description	Old part number	New part number
Trunnion seal	5000465	5000604

PARTS DISPOSITION

■ Interchangeable

PRODUCTS AFFECTED

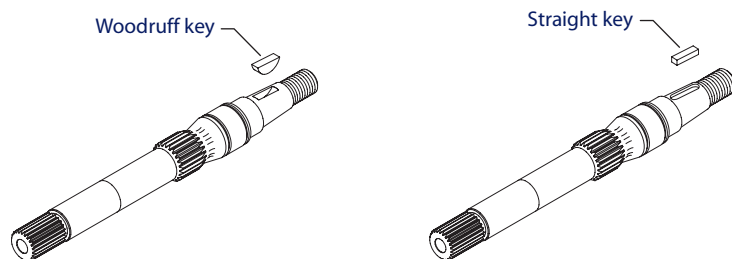
Series 40: M25, M35, M44, M46 and LV pumps and variable motors

SUBJECT

Change from woodruff key to straight key on tapered shaft

DESCRIPTION

Sauer-Danfoss uses a straight key rather than a woodruff key in tapered shafts on all Series 40 pumps and motors. Tapered shafts requiring a woodruff key are obsolete. The woodruff key, however, remains available for service requirements. Customers requiring a replacement shaft need the straight key.



MODELS AFFECTED

M25, M35, M44, M46 and LV models using tapered shafts.

SERIAL NUMBERS

This change becomes effective during the 2002 build year.

PART NUMBERS AFFECTED

Old part number	New part number	Description
9003310-2514	-	Key-woodruff, .248 x .875
-	5000664	Key-square, .250 x .750
4250012	4250164	Shaft-pump
4254500	4254568	Shaft-tapered, LV
4350390	4350805	Shaft-motor, fixed w/taper
4350432	4350791	Shaft-tandem, tapered
4460309	4461308	Shaft-pump, tapered/9T aux.
4461290	4461302	Shaft-pump, tapered/13T aux.
4460577	4461309	Shaft-motor, tapered
4460804	4461306	Shaft-MV, 13T/1" dia. 1.5" tapered
4460772	4461307	Shaft-tandem, tapered

PARTS DISPOSITION

- Interchangeable (if shaft and key are both replaced)
- Use parts in stock

PRODUCTS AFFECTED

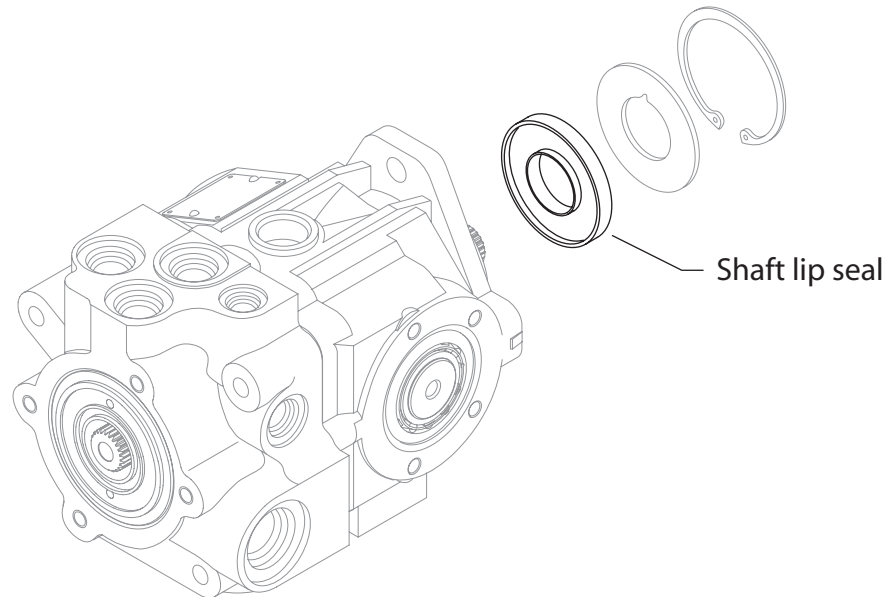
M35 and M44 pumps and variable motors

SUBJECT

Shaft seal change

DESCRIPTION

As a product improvement, Sauer-Danfoss has improved the design of the shaft lip seal. The new seal is a single piece design instead of a crimped two-piece design.



MODELS AFFECTED

M35, and M44 pumps and variable motors

SERIAL NUMBERS

This change became effective at serial number K-03-49-xxxxx.

PART NUMBERS AFFECTED

Item description	Old part number	New part number
Lip seal	9008000-0121	5000689

PARTS DISPOSITION

■ Interchangeable



Series 40 MPV035D and MPT035D Axial Piston Pumps
Parts Manual
Notes





Series 40 MPV035D and MPT035D Axial Piston Pumps
Parts Manual
Notes



OUR PRODUCTS

Hydrostatic transmissions
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 Electrohydraulic power steering
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 Directional spool valves
 Cartridge valves
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 Displays
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