



Parts Manual

Priority Valve OLS





Revisions

Revision History

Table of Revisions

Date	Page	Changed	Rev
Jun 2009	All	New edition	AA
Sep 2009	5, 7		AB
Oct 2009	5	Item numbers	AC
Jan 2010	16	Japan location changed	AD
Jan 2010	9	Code number changed	AE
Sep 2010	16	New back cover	AF
May 2012	5	Code number obsoleted	AG
Jun 2014	All	New layout	BA



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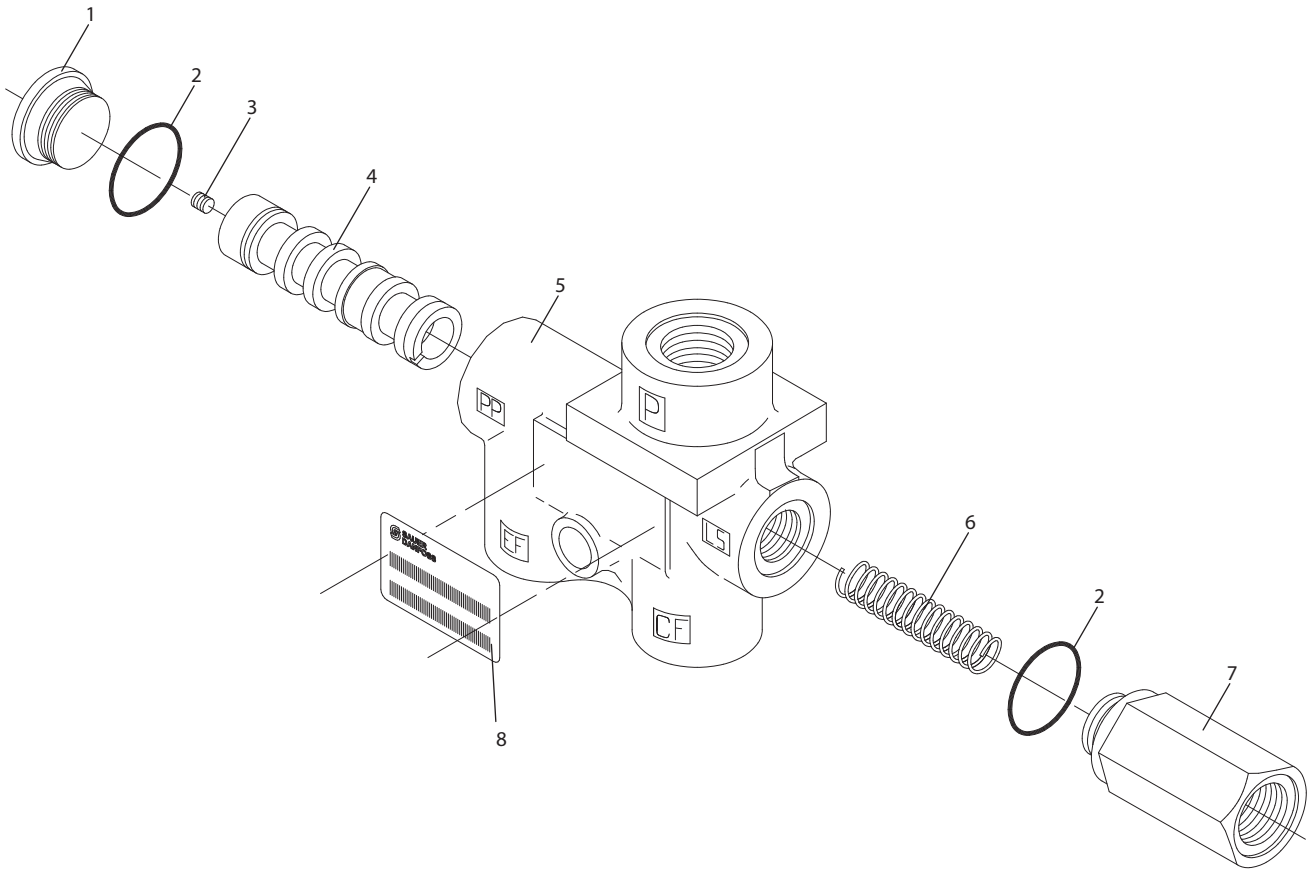
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Exploded View
OLS 40/80



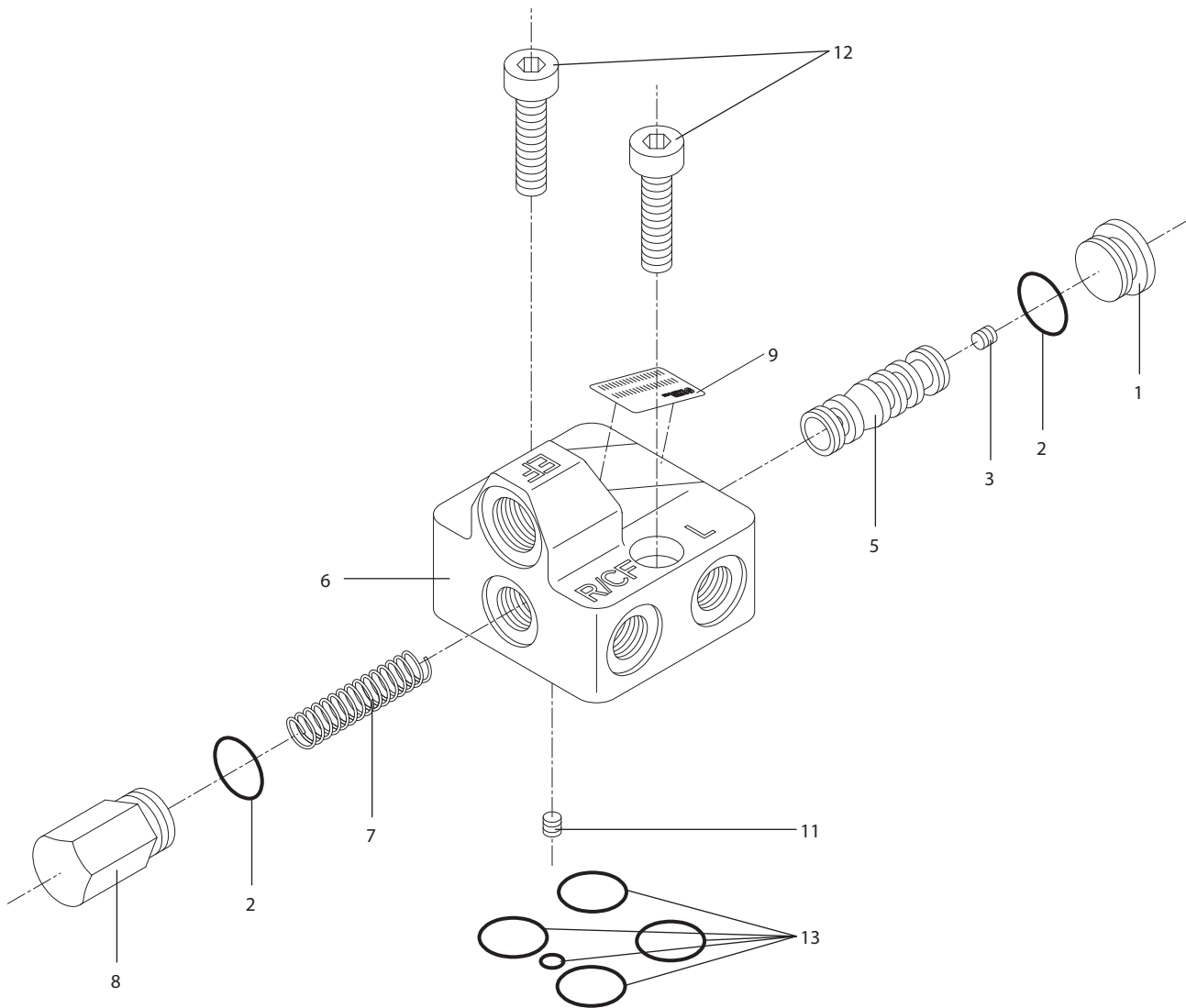
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**Spare Part List
OLS 40/80**

Item	Spare parts	Code no	Orifice	Comments	No per unit	Tightening torque				
1	Internal PP – plug	152-0413		For seal ring (Al) For O-ring	1	40 N-m +/- 10				
	External PP – plug	631X2046			1					
	G 1/4	152B0371	0.8 mm		1					
	M12 x 1.5	152B0314	0.8 mm		1					
	M12 x 1.5	11005127	1.0 mm		1					
	M12 x 1.5	152B0425	1.2 mm		1					
	PF 1/4	152B0434	0.8 mm	1						
2	Seals O-ring	633B1457			2					
3	Orifice screw (PP)	155B8316	0.6 mm	M6	1	3.5 N-m +/- 0.5				
		631B1048	0.7 mm	M6	1					
		152B0380	0.8 mm	M6	1					
		631B1043	0.9 mm	M6	1					
		155B8320	1.0 mm	M6	1					
		631B1039	1.2 mm	M6	1					
4	Spool Static:	OLS 40 152B0302		Not sold separately info. Only Intern pp CF 2.5 - EF 4, 9, 18 Intern pp CF 0 - EF 4, 9, 18 Extern pp CF 2.5 - EF 4, 9, 18 Intern pp CF 8 - EF 4, 9 Intern pp CF 8 - EF 4, 9, 18 Intern pp CF 0 - EF 4, 9, 18 Extern pp CF 8 - EF 4, 9, 18	1					
		OLS 40 152B0310			1					
		OLS 40 152B0326			1					
		OLS 80 152B0462			1					
		OLS 80 152B0304			1					
		OLS 80 152B0316			1					
		OLS 80 152B0305			1					
		Dynamic:	Dynamic orifice:		OLS 40 152B0306		0.6 mm	Intern pp CF 2.5 - EF 4, 9, 18	1	
					OLS 40 152B0311		0.6 mm	Intern pp CF 2.5 - EF 2, 5, 10, 21	1	
					OLS 40 11059514		0.8 mm	Intern pp CF 2,5 - EF 2, 5, 10, 21	1	
OLS 40 152B0307	0.9 mm			Intern pp CF 2.5 - EF 4, 9, 18	1					
OLS 40 152B0442	0.9 mm			Intern pp CF 2.5 - EF 2, 5, 10, 21	1					
OLS 80 152B0365	0.7 mm			Intern pp CF 8 - EF 4, 9, 19	1					
OLS 80 152B0449	0.9 mm			Intern pp CF 8 - EF 4, 9, 19	1					
OLS 80 152B0454	0.7 mm			Intern pp CF 8 - EF 4, 9	1					
OLS 80 152B0441	1.0 mm			Intern pp CF 8 - EF 4, 9, 18	1					
OLS 80 11035542	0.9 mm			Intern pp CF 8 - EF 2, 5, 10, 22	1					
5	Housing			Not sold separately	1					
6	Spring	4 bar 663X1088			1					
		5.5 bar 663X6208			1					
		7 bar 663X1087			1					
		10 bar 663X1084			1					
7	External LS – plug	G 1/4 Male 11005740	1.0 mm		1	40 N-m +/- 10				
		G 1/4 152B0372	0.7 mm		1					
		G 1/4 (external thread) 152B0426	0.7 mm		1					
		G 1/4 152B0370	0.8 mm		1					
		G 1/4 152B0448	1.0 mm		1					
		G 1/4 152B0378	1.2 mm		1					
		M12 x 1.5 152B0424	0.7 mm		1					
		M12 x 1.5 152B0369	0.8 mm		1					
		M12 x 1.5 11005126	1.0 mm		1					
		M12 x 1.5 for O-ring 152B0386	0.8 mm		1					
		M12 x 1.5 for O-ring 11028890	1.1 mm		1					
		PF 1/4 152B0435	0.7 mm		1					
		PF 1/4 11004288	1.2 mm		1					
		7/16 – 20 UNF 152B0368	0.7 mm		1					
		7/16 – 20 UNF 152B0376	0.8 mm		1					
		7/16 – 20 UNF 152B0431	1.0 mm		1					
7/16 – 20 UNF 11003795	1.2 mm		1							
8	Name plate			Not available	1					
	Spare part bag	152B4015		Contains item 2						



Exploded View
OLSA



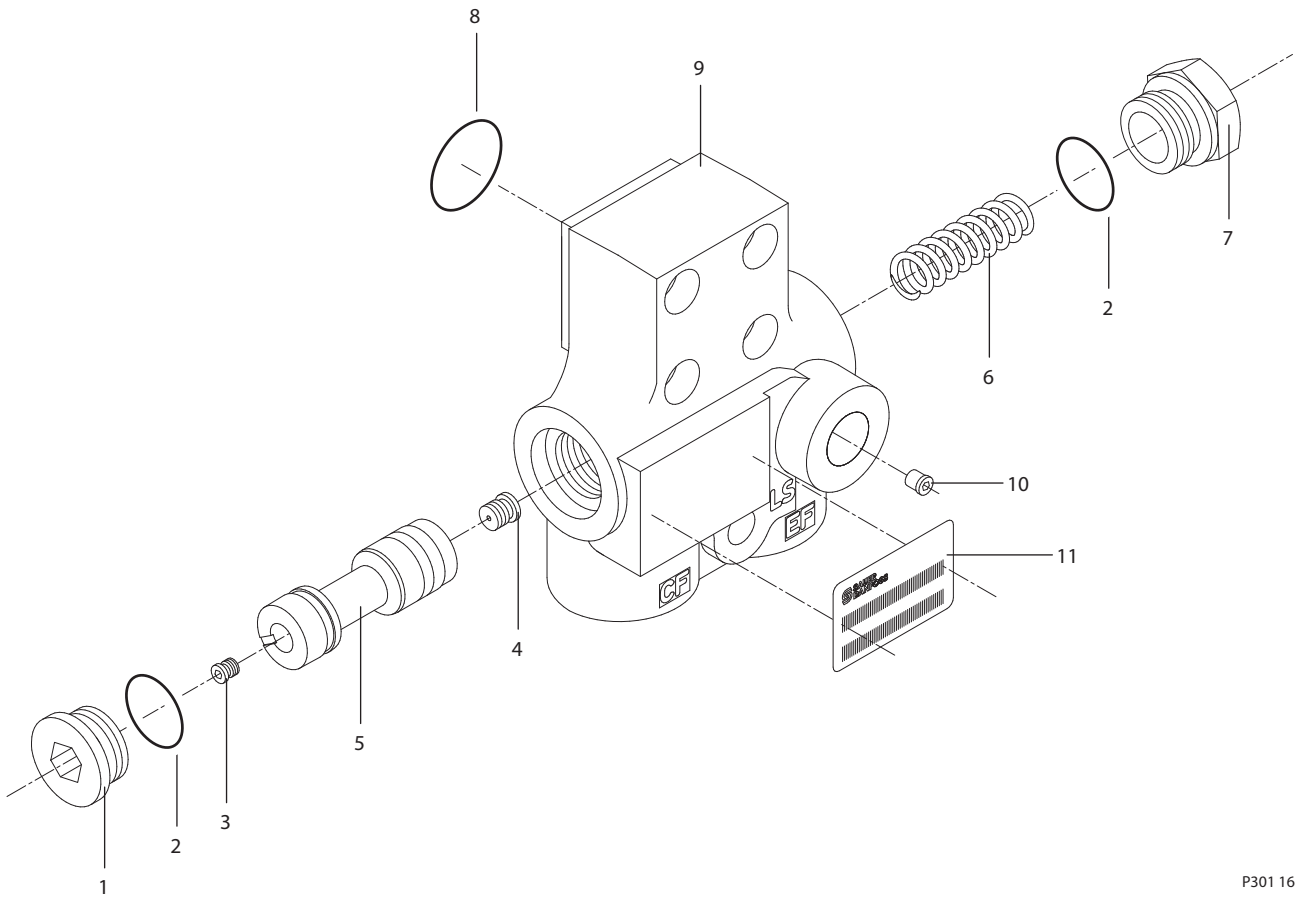
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**Spare Part List
OLSA**

Item	Spare parts	Code no	Orifice	Comments	No per unit	Tightening torque
1	Internal PP- plug	152-0413 631X2046		For seal ring (Alu) For O-ring	1 1	40 N-m +/- 10
2	Seals Seal ring (Alu) O-ring	633L3061 633B1008		Old New	2 2	
3	Orifice screw (PP)	155B8316 631B1048 152B0380 155B8320 631B1039	0.6 mm 0.7 mm 0.8 mm 1.0 mm 1.2 mm	M6 M6 M6 M6 M6	1 1 1 1 1	3.5 N-m +/- 0.5
5	Spool Static:	OLS 40 152B0302 OLS 40 152B0310 OLS 40 152B0326 OLS 80 152B0462 OLS 80 152B0304 OLS 80 152B0316 OLS 80 152B0305		Not sold separately info. Only Intern pp CF 2,5 - EF 4, 9, 18 Intern pp CF 0 - EF 4, 9, 18 Extern pp CF 2,5 - EF 4, 9, 18 Intern pp CF 8 - EF 4, 9 Intern pp CF 8 - EF 4, 9, 18 Intern pp CF 0 - EF 4, 9, 18 Extern pp CF 8 - EF 4, 9, 18	1 1 1 1 1 1 1	
	Dynamic:	OLS 40 152B0306 OLS 40 152B0311 OLS 40 11059514 OLS 40 152B0307 OLS 40 152B0442 OLS 80 152B0365 OLS 80 152B0449 OLS 80 152B0454 OLS 80 152B0441 OLS 80 11035542	Dynamic orifice: 0.6 mm 0.6 mm 0.8 mm 0.9 mm 0.9 mm 0.7 mm 0.9 mm 0.7 mm 1.0 mm 0.9 mm	Intern pp CF 2,5 - EF 4, 9, 18 Intern pp CF 2,5 - EF 2, 5, 10, 21 Intern pp CF 2,5 - EF 2, 5, 10, 21 Intern pp CF 2,5 - EF 4, 9, 18 Intern pp CF 2,5 - EF 2, 5, 10, 21 Intern pp CF 8 - EF 4, 9, 19 Intern pp CF 8 - EF 4, 9, 19 Intern pp CF 8 - EF 4, 9 Intern pp CF 8 - EF 4, 9, 18 Intern pp CF 8 - EF 2, 5, 10, 22	1 1 1 1 1 1 1 1 1 1	
6	Housing			Not sold separately	1	
7	Spring	4 bar 663X1088 5.5 bar 663X6208 7 bar 663X1087 10 bar 663X1084			1 1 1 1	
8	Internal LS – plug	152B0429			1	40 N-m +/- 10
9	Name plate			Not available	1	
11	Orifice screw (LS)	152B0470 152B0385 631B1054 631B1040 155B8330	1.2 mm 0.6 mm 0.75 mm 0.8 mm 1.0 mm	M4 M4 M4 M4 M4	1 1 1 1 1	3.5 N-m +/- 0.5
12	Bolt l = 40 mm Bolt l = 46 mm	681X1912 681X1625		Use if OLSA is manufactured before week 47 1988 Use if OLSA is manufactured after week 48 1988 (See instruction HI.21.E1.52)	2 2	65 N-m +/- 5
13	Spare part bag For seals between OLSA and OLSP	152B4000		Contents 4 ea. O-rings 633B1406 1 ea. O-ring 633B1460		
14	Spare part bag	152B4015		Contents Item 2	2	



Exploded View
OLSP 80



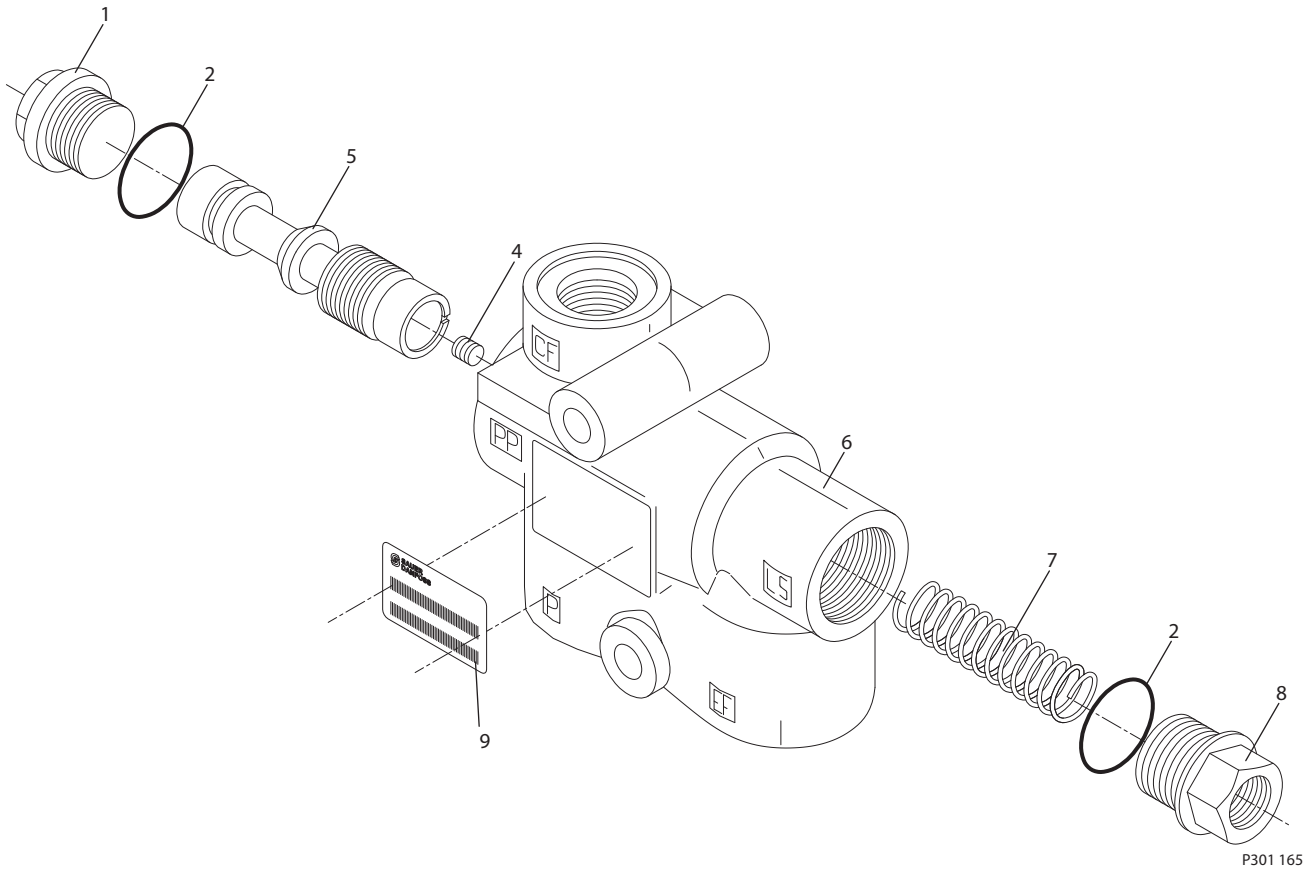
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**Spare Part List
OLSP 80**

Item	Spare parts	Code no	Orifice	Comments	No per unit	Tightening torque
1	Internal PP – plug	150-4085		O-ring type	1	40 N-m +/- 10
	External PP – plug			None		
2	Seals O-ring	633B1457			2	
3	Orifice screw (PP)	152B0496	1.0 mm	M4 - Shoulder type	1	1.0 N-m +/- 0.1
		152B0497	0.8 mm	M4 - Shoulder type	1	
		152B0499	1.2 mm	M4 - Shoulder type	1	
		11007205	0.6 mm	M4 - Shoulder type	1	
4	Orifice screw (Dyn)	152B0494	0.9 mm	M6 – Shoulder type	1	3.5 N-m +/- 0.5
		152B0495	0.7 mm	M6 – Shoulder type	1	
		152B0498	0.8 mm	M6 – Shoulder type	1	
		150G0466	1.1 mm	M6 – Shoulder type	1	
		11007204	1.0 mm	M6 – Shoulder type	1	
5	Spool	152B5304	Dyn.	Not sold separately		
		152B5309	Static			
6	Spring	150H5317			1	
		663X6232			4 bar 7 bar	
7	Plug	M18 x 1.5	152B5305		1	40 N-m +/- 10
8	Seal	O-ring	633B1521	Flange at P-port	1	
9	Housing			Not sold separately		
10	Orifice (LS)	152B0496	1.0 mm	M4 – Shoulder type	1	1.0 N-m +/- 0.1
		152B0497	0.8 mm	M4 – Shoulder type	1	
		152B0499	1.2 mm	M4 – Shoulder type	1	
		11007205	0.6 mm	M4 – Shoulder type	1	
11	Name plate			Not available		
	Spare part bag	152B4015		Contains Item 2 and 8	1	



Exploded View
OLS 120

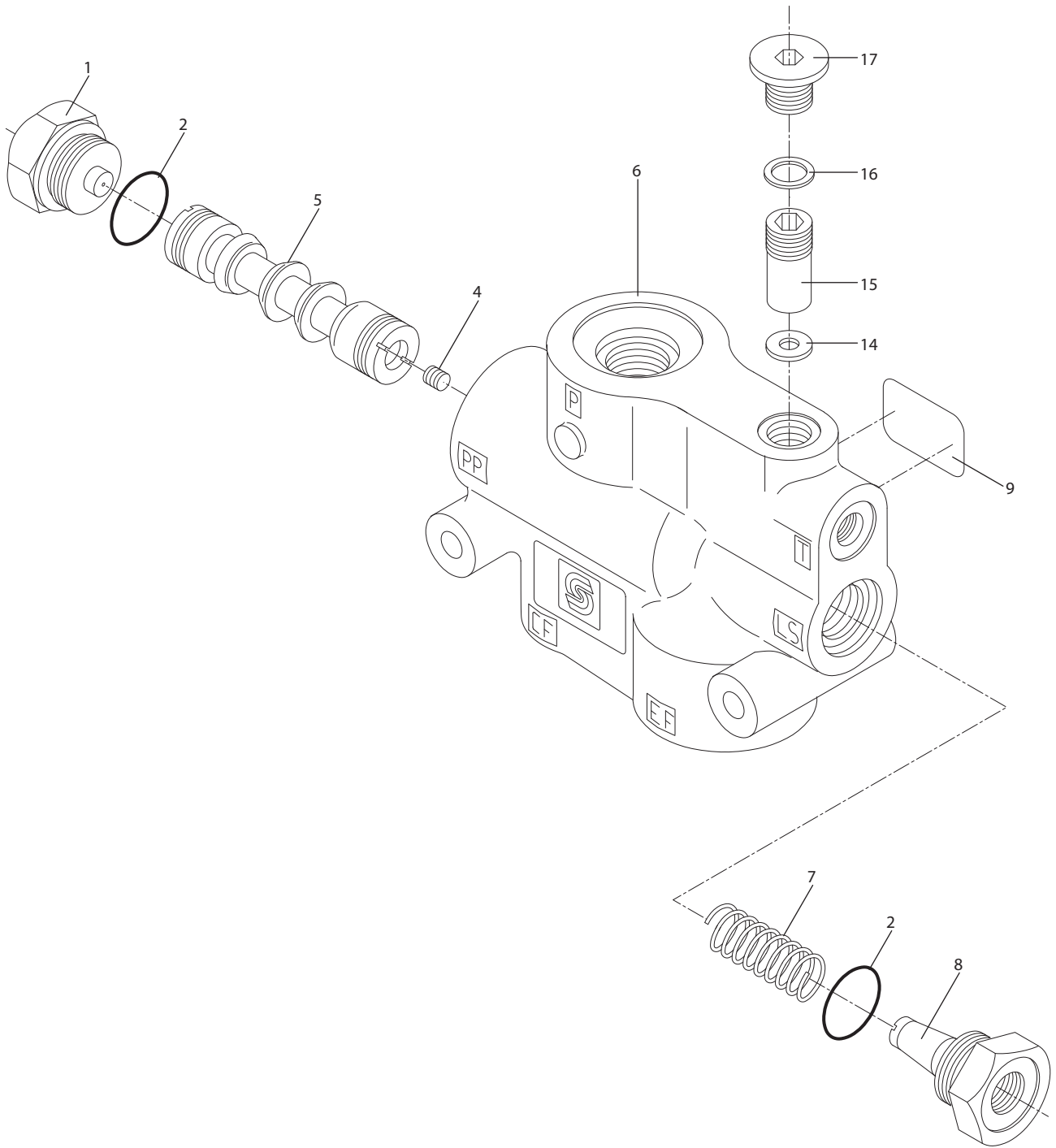



**Spare Part List
OLS 120**

Item	Spare parts	Code no	Orifice	Comments	No per unit	Tightening torque
1	Internal PP plug G 1/2 7/16 – 20 UNF	152B0859		Solid plug	1	60 N-m +/- 5
		152B0856	0.8 mm		1	
2	Seals O-ring	633B1080			2	
4	Orifice screw (Dyn)	155B8316	0.6 mm	M6	1	3.5 N-m +/- 0.5
		631B1048	0.7 mm	M6	1	
		152B0380	0.8 mm	M6	1	
		631B1043	0.9 mm	M6	1	
		155B8320	1.0 mm	M6	1	
		631B1039	1.2 mm	M6	1	
5	Spool	152B0830		For info. only Dyn. Intern	1	
		152B0831		Stat. Intern	1	
		152B0832	PP 0.8 mm	Dyn. Intern	1	
		152B0834	PP 0.7 mm	Stat. Intern	1	
		152B0841	PP 1.5 mm	Dyn. Intern	1	
6	Housing			Not sold separately	1	
7	Spring 4 bar 7 bar 10 bar	663X6154			1	
		663X6155			1	
		663X6156			1	
8	External LS plug G 1/4 G 1/4 G 1/4 G 1/4 M12 x 1.5 for O-ring M12 x 1.5 M12 x 1.5 PF 1/4 7/16 – 20 UNF M12 x 1.5 for O-ring	152B0854	0.6 mm		1	60 N-m +/- 5
		152B0850	0.8 mm		1	
		11018931	1.0 mm		1	
		152B0862	1.2 mm		1	
		152B0853	0.8 mm		1	
		152B0852	0.8 mm		1	
		152B0842	0.9 mm		1	
		152B0860	0.8 mm		1	
		152B0851	0.8 mm		1	
		152B0863	1.2 mm		1	
9	Name Plate			Not available	1	
	Spare part bag	152B4013		Contains Item 2	1	



Exploded View
OLS 160



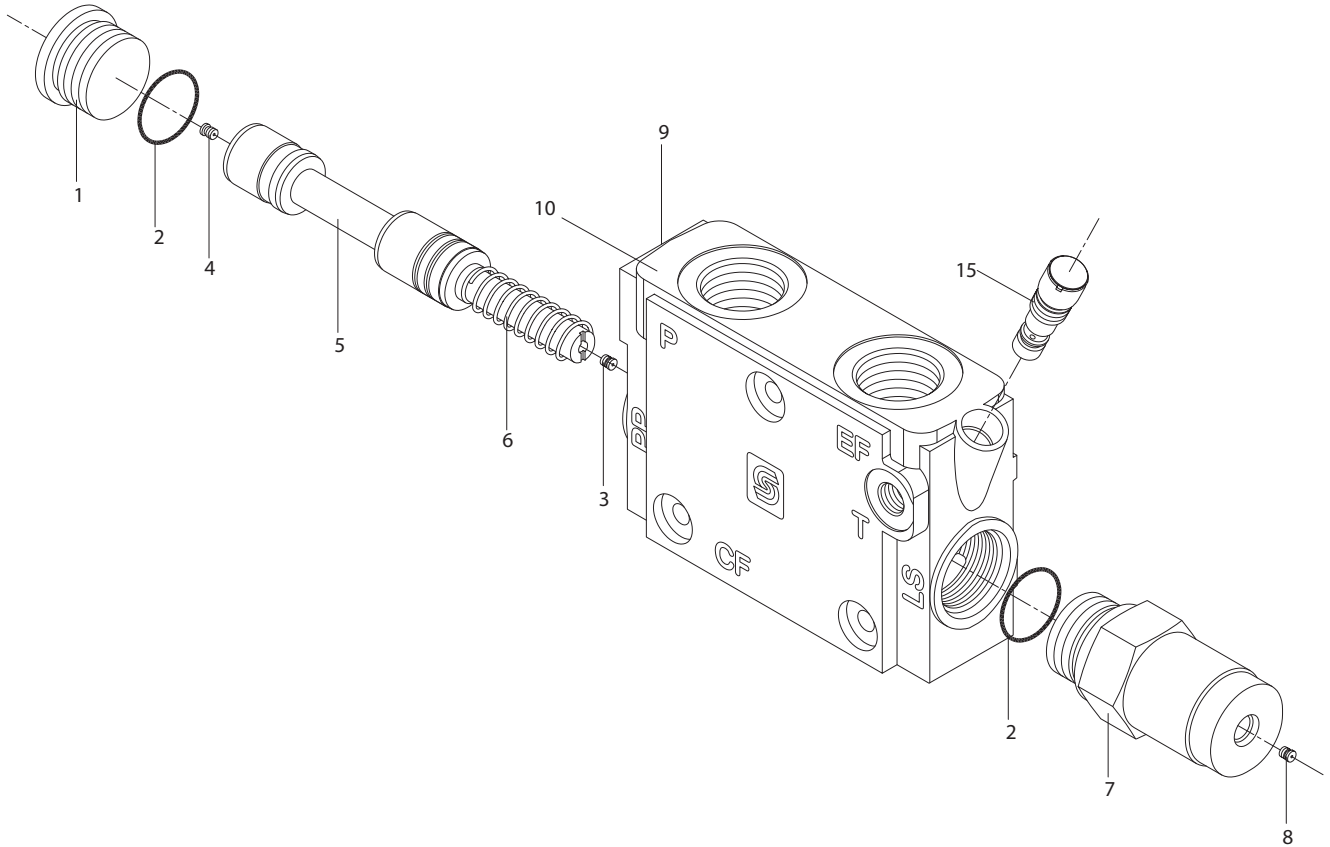
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**Spare Part List
OLS 160**

Item	Spare parts	Code no	Orifice	Comments	No per unit	Tightening torque
1	Internal PP – plug	152B0666			1	60 N-m +/- 8
	External PP plug					
	G 1/4	152B0663	0.9 mm	With spool for external Pp	1	
	G 1/4	152B0680	0.9 mm	With spool for internal Pp	1	
	M12 x 1.5	152B0692	0.9 mm	With spool for external Pp	1	
	PF 1/4	152B0694	0.9 mm	With spool for external Pp	1	
	PF 1/4	152B0686	0.9 mm	With spool for internal Pp	1	
	7/16 – 20 UNF	152B0696	0.6 mm		1	
	7/16 – 20 UNF	152B0661	0.9 mm	With spool for external Pp	1	
7/16 – 20 UNF	152B0674	0.9 mm	With spool for internal Pp	1		
2	Seals O-ring	633B1008			2	
4	Orifice screw (Dyn)	155B8316	0.6 mm	M6	1	3.5 N-m +/- 0.5
		631B1048	0.7 mm	M6	1	
		152B0380	0.8 mm	M6	1	
		631B1043	0.9 mm	M6	1	
		155B8320	1.0 mm	M6	1	
		631B1039	1.2 mm	M6	1	
5	Spool	152B0634 152B0635 152B0636 152B0641	Pp 0.8 mm	Not sold separately Static Intern Static Extern Dynamic Int./Ext. Dynamic Int./Ext.		
6	Housing			Not sold separately	1	
7	Spring	4 bar 663X1244			1	
		7 bar 663X1247			1	
		10 bar 663X1249			1	
		12 bar 663X6084			1	
8	External LS plug					60 N-m +/- 8
	G 1/4	152B0667	0.9 mm		1	
	G 1/4	152B0682	1.0 mm		1	
	G 1/4	152B0690	1.1 mm		1	
	G 1/4	152B0695	1.2 mm		1	
	M12 x 1.5	152B0688	0.9 mm		1	
	PF 1/4	152B0684	0.9 mm		1	
	7/16 – 20 UNF	152B0697	0.6 mm		1	
	7/16 – 20 UNF	152B0668	0.9 mm		1	
7/16 – 20 UNF	152B0675	1.0 mm		1		
9	Name Plate			Not available	1	
14	Seal washer	633L2111			1	
15	Pilot relief valve	150F0252			1	50 N-m +/- 1
	Pilot relief valve	150F0511			1	
16	Seal ring	684X2565			1	
17	Plug	631X2026			1	50 N-m +/- 1
	Spare part bag	152B4012		Contains : Item 2 1 ea. seal washer 633L2111 1 ea. seal ring 684X2565		



Exploded View
OLS 320



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**Spare Part List
OLS 320**

Item	Spare parts	Code no	Orifice	Comments	No per unit	Tightening torque
1	Internal PP - plug M33 x 2.0	631X9922		Solid plug	1	50 N-m +/- 5
2	Seals O-ring	633B0740		PP-plug and LS-plug	2	
3	Orifice screw (Dyn)	11007205	0.6 mm	M4 Shoulder type	1	1.0 N-m +/- 0.1
		152B0497	0.8 mm	M4 Shoulder type	1	
		152B0496	1.0 mm	M4 Shoulder type	1	
		152B0499	1.2 mm	M4 Shoulder type	1	
4	Orifice screw PP	152B0495	0.7 mm	M6 Shoulder type	1	3.5 N-m +/- 0.5
		152B0498	0.8 mm	M6 Shoulder type	1	
		152B0494	0.9 mm	M6 Shoulder type	1	
		150G0466	1.1 mm	M6 Shoulder type	1	
		11007204	1.0 mm	M6 Shoulder type	1	
5	Spool Not sold separately	152B6302			1	
		152B6316			1	
6	Spring 7 bar 10 bar 16 bar	663X1030			1	
		663X1096			1	
		663X1263			1	
7	Plug LS G 1/4 M12 x 1.5 UNF	11015283			1	50 N-m +/- 5
		152B6312			1	
		152B6315			1	
8	Orifice LS	11007205	0.6 mm	M4 Shoulder type	1	1.0 N-m +/- 0.1
		152B0497	0.8 mm	M4 Shoulder type	1	
		152B0496	1.0 mm	M4 Shoulder type	1	
		152B0499	1.2 mm	M4 Shoulder type	1	
9	Name plate			Not available		
10	Housing			Not sold separately		
15	Cartridge	155L6485		With O-ring and back-up seal	1	25 N-m +/- 2.5
	Spare part bag	152B6200		Contains item 2	1	



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Local address:

Danfoss Power Solutions (US) Company

2800 East 13th Street
Ames, IA 50010, USA
Phone: +1 515 239 6000

Danfoss Power Solutions GmbH & Co. OHG

Krokamp 35
D-24539 Neumünster, Germany
Phone: +49 4321 871 0

Danfoss Power Solutions ApS

Nordborgvej 81
DK-6430 Nordborg, Denmark
Phone: +45 7488 2222

Danfoss Power Solutions Trading (Shanghai) Co., Ltd.

Building #22, No. 1000 Jin Hai Rd
Jin Qiao, Pudong New District
Shanghai, China 201206
Phone: +86 21 3418 5200

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