

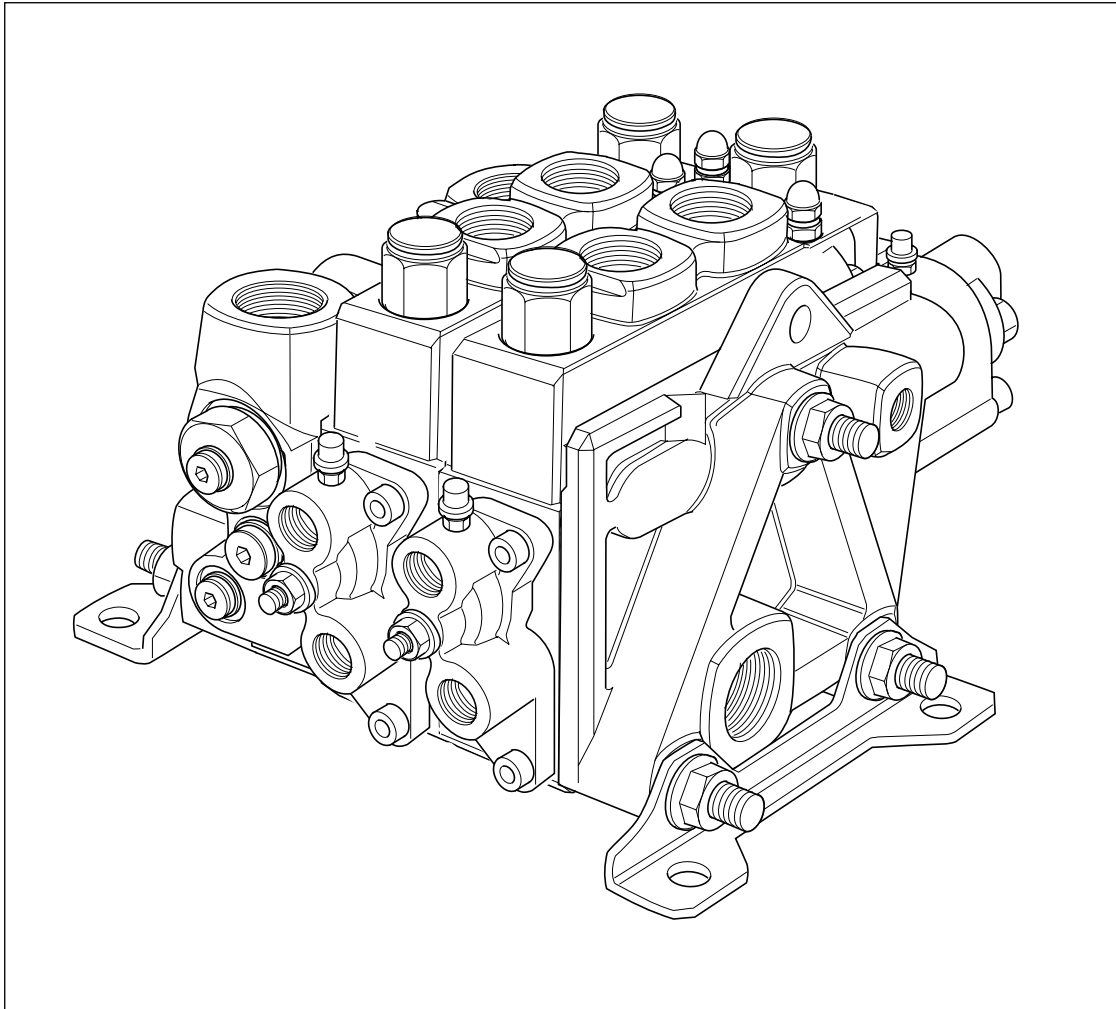


Bulletin HY17-8805-M1/UK

Spare Parts List

Series K170LS

Effective date: October 03, 2011
Supersedes: May 12, 2011



This list of spare parts is designed to give you a good idea of the components included in the product range for valves. To see precisely which component is used for a specific product, you will need to look at the customer specification for the product in question. The customer specification contains a number of entries, and for each entry, a code pressure or flow is specified with a code or a number. To help you find your way around, this list of spare parts contains references to these entries and codes.

Codes on the image page of the list of spare parts usually appear in bold and enclosed in a border. The table page contains available spare part sets. The ordering code is the product code that appears in the Part column.















The spare part to be used is determined by the first two columns, which contain the entry and the code from the customer specification. If these columns are empty, the spare part set is valid regardless of the selected code, unless indicated otherwise

The symbols in the frame below are used in this Spare Parts List to help you find the right tools, the right torques, suitable grease etc.

Conversion factors

1 kg	= 2.2046 lb
1 N	= 0.22481 lbf
1 Nm	= 0.10197 kpm
1 bar	= 14.504 psi
1 l	= 0.21997 UK gallon
1 l	= 0.26417 US gallon
1 cm ³	= 0.061024 in ³
1 m	= 3.2808 feet
1 mm	= 0.03937 in
9/5 °C + 32	= °F

Symbols for servicing

 = Phillips screw	 = Thread for disassembly type...
 = Slot screw	 = Tightening torque in Nm
 = Socket head dimensions in mm and/or inch	 = Use locking/sealing fluid type...
 = Hexagon dimensions in mm and/or inch	 = Use corrosion preventative type...
 = Sixpoint socket	 = Use hydraulic liquid for lubrication
 = Wrench size in mm and/or inch or special assembly/disassembly tool needed. No...	 = Use grease type...
 = See appendix A	 = See appendix A



WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

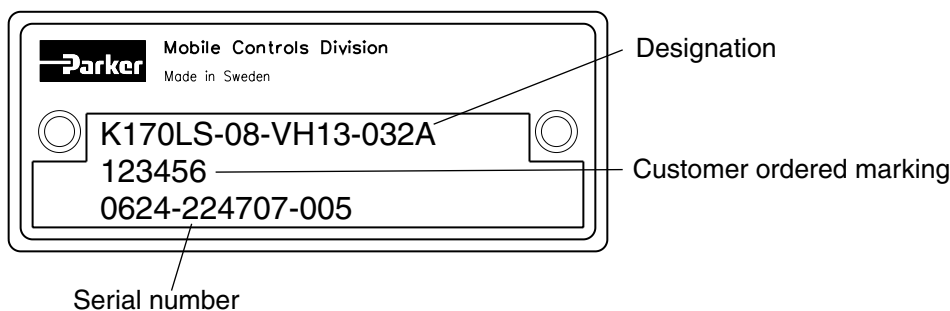
The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Offer of Sale

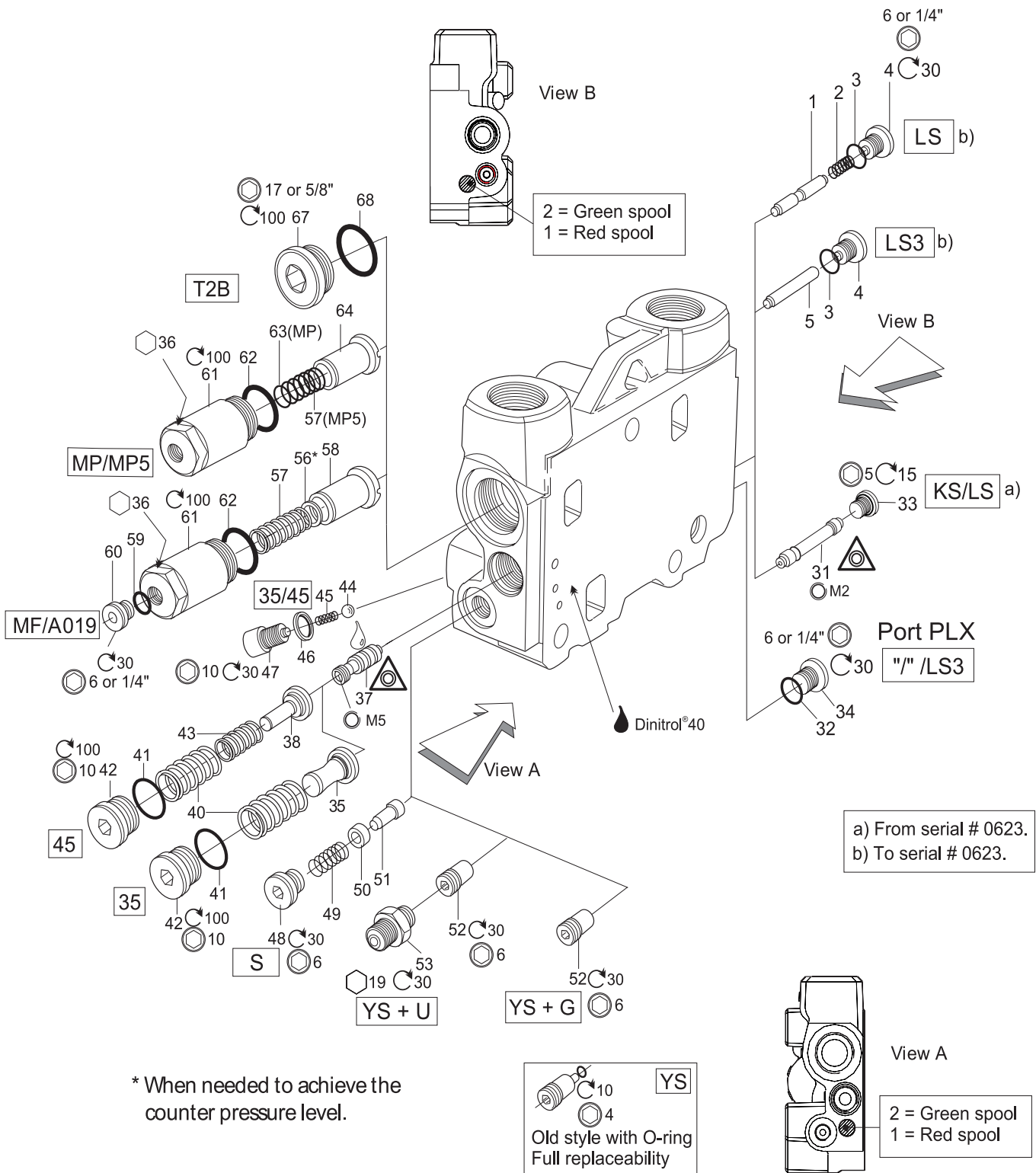
Please contact your Parker representation for a detailed "Offer of Sale".

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Valve serial numbers consist of three groups of digits
 The first group shows year and week of manufacture:
 In this example, 0624 means week 24 of 2006
 The remaining digits are for internal use within Parker

MF, A019, MP, MP5, T2B, R, S, YS, 35, 45, KS/LS, LS3

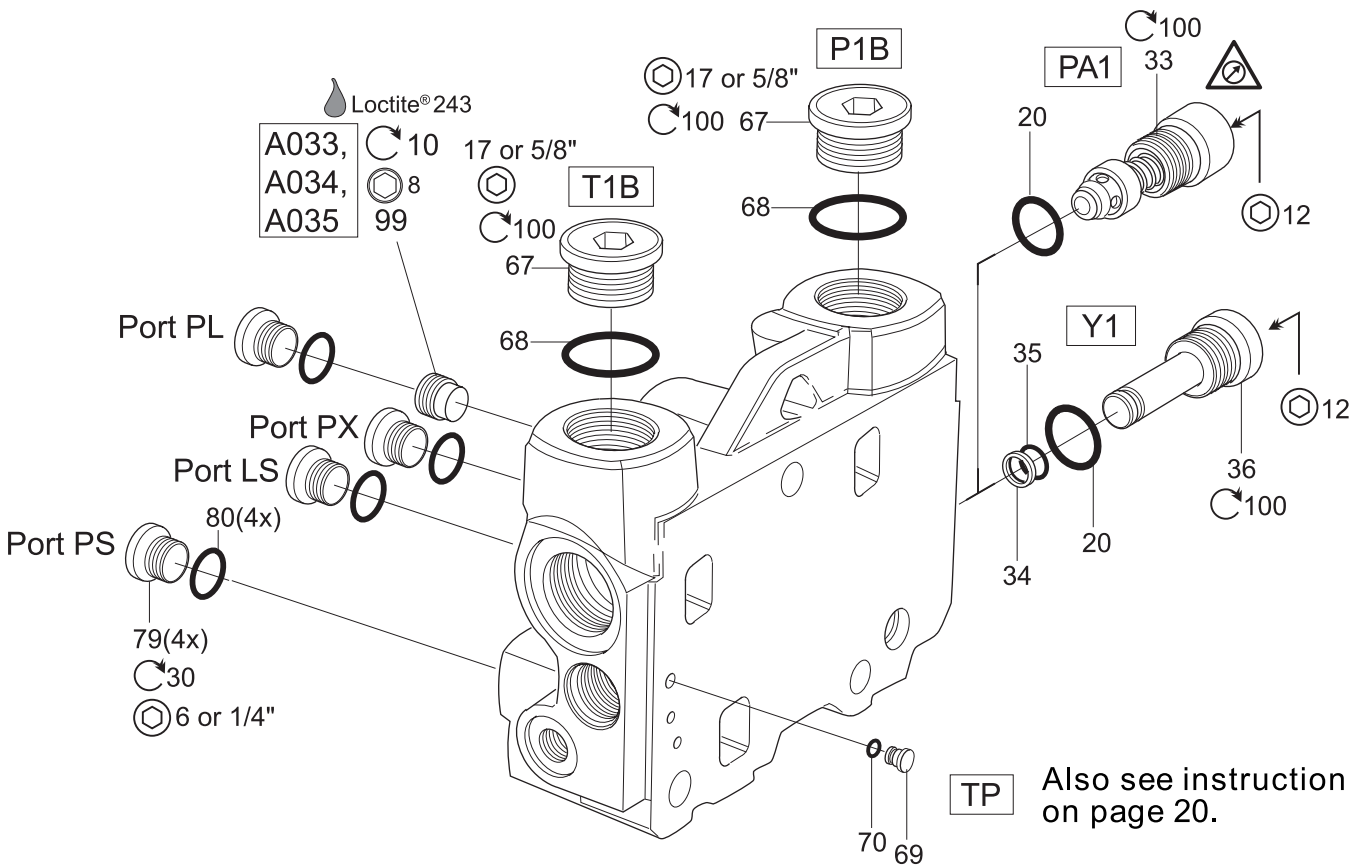




















* When needed to achieve the counter pressure level.

See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
35	13	9120092001	Pilot supply, 35 bar, Green (2)	35,37,40,41,42,44,45,46,47
35	13	9120092029	Pilot supply, 35 bar, Red (1)	35,37,40,41,42,44,45,46,47
45	13	9120092250	Pilot supply, 45 bar, Green (2)	37,38,40,41,42,43,44,45,46,47
45	13	9120092251	Pilot supply, 45 bar, Red (1)	37,38,40,41,42,43,44,45,46,47
35	13	9120092516	Conversion kit R45 to R35	35, 40
45	13	9120092517	Conversion kit R35 to R45	38, 40, 43
S	14	9120092004	Internal pilot filter	48, 49, 50, 51
S	14	-	Plug VST11/4EDCF	48
YS + G	14 + 04	9120092005	Connection plug BSP	52
YS + U	14 + 04	393000K076	Adapter and plug UNF	52, 53
YS + U	14 + 04	-	Nipple 6F4OMXS	53
MP/MP5 + G	24 + 04	6760231	Counter pressure valve, pilot op. BSP	57, 61, 62, 63, 64
MP/MP5 + U	24 + 04	6760237	Counter pressure valve, pilot op. UNF	57, 61, 62, 63, 64
MF + G	24 + 04	9120092010	Counter pressure valve, fact.set, BSP	56, 57, 58, 59, 60, 61, 62
MF + U	24 + 04	9120092011	Counter pressure valve, fact.set, UNF	56, 57, 58, 60 [59], 61, 62
A019 + G	24 + 04	9120092292	Counter pressure valve, fact.set, BSP	57, 58, 59, 60, 61, 62
A019 + U	24 + 04	9120092291	Counter pressure valve, fact.set, UNF	57, 58, 60 [59], 61, 62
T2B + G	24 + 04	9120092006	Tank connection T2 plugged, BSP 1"	67, 68
T2B + U	24 + 04	-	Plug 16HP50N-S	67 [68]
LS	15	9120092041	Copy spool ø6 mm, LS system Red	1, 2, 3, 4 Kit for valves with serial # < 0623xxxxxxx
LS	15	9120092253	Copy spool ø6 mm, LS system Green	1, 2, 3, 4 Kit for valves with serial # < 0623xxxxxxx
LS3	15	9120092254	LS channel blocked (CP system)	3, 4, 5 Kit for valves with serial # < 0623xxxxxxx
KS/LS	20/15	393000K037	Copy spool ø8 mm, size G	31, 33 Kit for valves with serial # > 0623xxxxxxx
KS/LS	20/15	393000K437	Copy spool ø8 mm, size R	31, 33 Kit for valves with serial # > 0623xxxxxxx
KS/LS	20/15	-	Plug VST11/8EDCF	33 For valves with serial # > 0623xxxxxxx
"/"/ LS3 + G	20/15 + 04	-	Plug VST11/4EDCF	34 For valves with serial # > 0623xxxxxxx
"/"/ LS3 + U	20/15 + 04	-	Plug 6HP50N-S	34 [32] For valves with serial # > 0623xxxxxxx

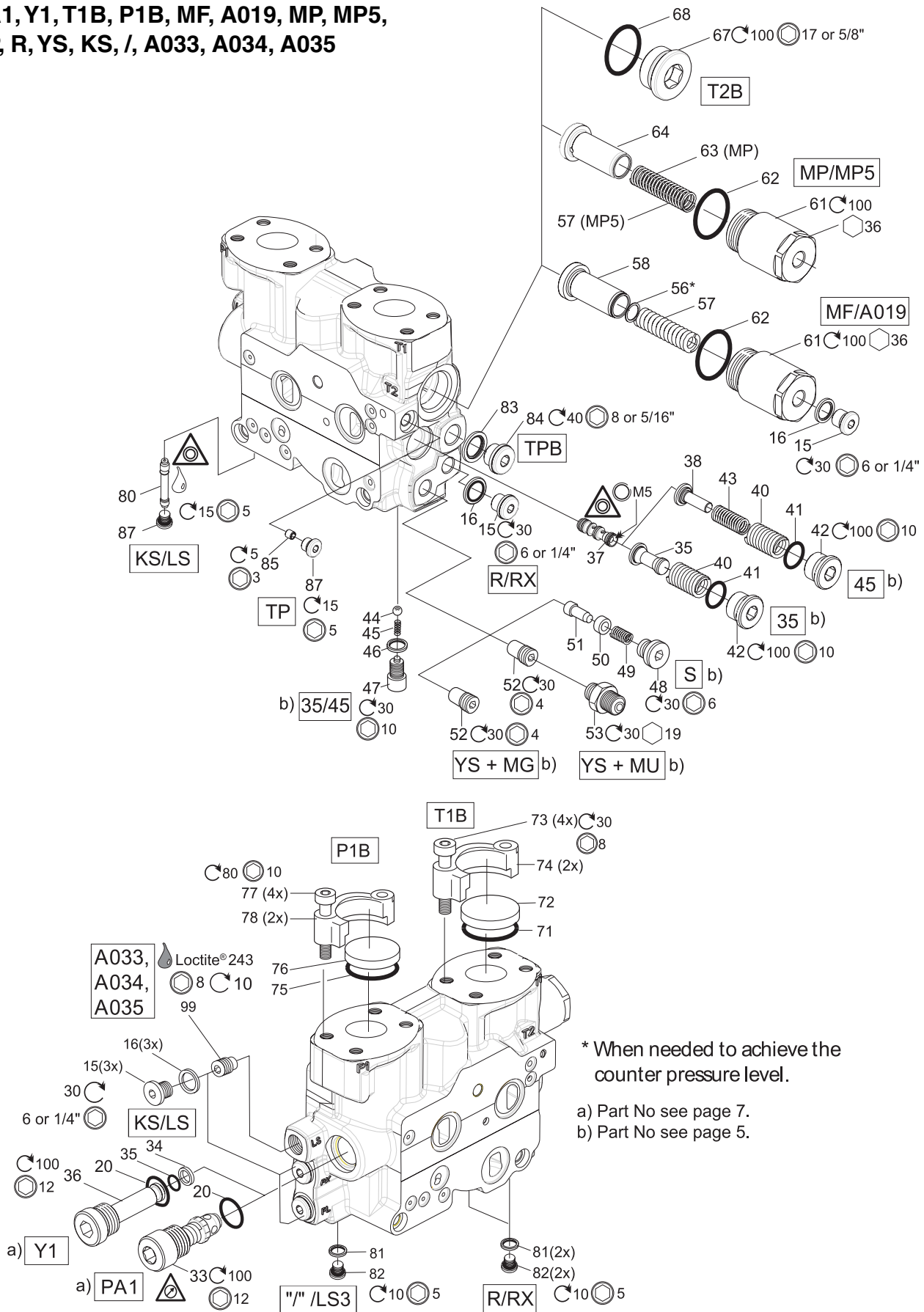
LS, LS3: See old Customer Specifications in Syber.

PA1, Y1, T1B, P1B, PS, PL, PX, LS, A033, A034, A035



See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
T1B + G	25 + 04	9120092006	T1 connection plugged, BSP 1"	67, 68
T1B + U	25 + 04	-	Plug 16HP5ON-S	67 [68]
P1B + G	26 + 04	9120092006	T1 connection plugged, BSP 1"	67, 68
P1B + U	26 + 04	-	Plug 16HP5ON-S	67 [68]
Port PL, PX, PS, LS + G	04	-	Plug VST11/4EDCF	79 [80]
Port PL, PX, PS, LS + U	04	-	Plug 6HP5ON-S	79 [80]
PA1 + 050	16 + 17	9120029251	Main relief valve, PLC182-050-20	33 [20] 
PA1 + 063	16 + 17	9120029252	Main relief valve, PLC182-063-20	33 [20] 
PA1 + 080	16 + 17	9120029253	Main relief valve, PLC182-080-20	33 [20] 
PA1 + 100	16 + 17	9120029254	Main relief valve, PLC182-100-20	33 [20] 
PA1 + 125	16 + 17	9120029255	Main relief valve, PLC182-125-20	33 [20] 
PA1 + 140	16 + 17	9120029256	Main relief valve, PLC182-140-20	33 [20] 
PA1 + 160	16 + 17	9120029257	Main relief valve, PLC182-160-20	33 [20] 
PA1 + 175	16 + 17	9120029258	Main relief valve, PLC182-175-20	33 [20] 
PA1 + 190	16 + 17	9120029259	Main relief valve, PLC182-190-20	33 [20] 
PA1 + 210	16 + 17	9120029260	Main relief valve, PLC182-210-20	33 [20] 
PA1 + 230	16 + 17	9120029261	Main relief valve, PLC182-230-20	33 [20] 
PA1 + 240	16 + 17	9120029272	Main relief valve, PLC182-240-20	33 [20] 
PA1 + 250	16 + 17	9120029262	Main relief valve, PLC182-250-20	33 [20] 
PA1 + 260	16 + 17	9120029273	Main relief valve, PLC182-260-20	33 [20] 
PA1 + 280	16 + 17	9120029263	Main relief valve, PLC182-280-20	33 [20] 
PA1 + 300	16 + 17	9120029264	Main relief valve, PLC182-300-20	33 [20] 
PA1 + 330	16 + 17	9120029265	Main relief valve, PLC182-330-20	33 [20] 
A013 + 350	16 + 17	9120029266	Main relief valve, PLC182-350-20	33 [20] 
PA1	16	6760193	O-ring, kit of 5 pcs	20(5x)
Y1	16	9120092014	Main relief cavity plugged, Y1	36 [20, 34, 35]
Y1	16	393000K804	Seal kit Y1	20, 34, 35
TP	40	9120092331	Pilot tank line plug	69, 70
A033 + G	29 + 04	6760561	Restrictor check valve A033, Ø0.4 mm	99
A034 + G	29 + 04	6760571	Restrictor check valve A034, Ø0.6 mm	99
A035 + G	29 + 04	6760562	Restrictor check valve A035, Ø0.8 mm	99

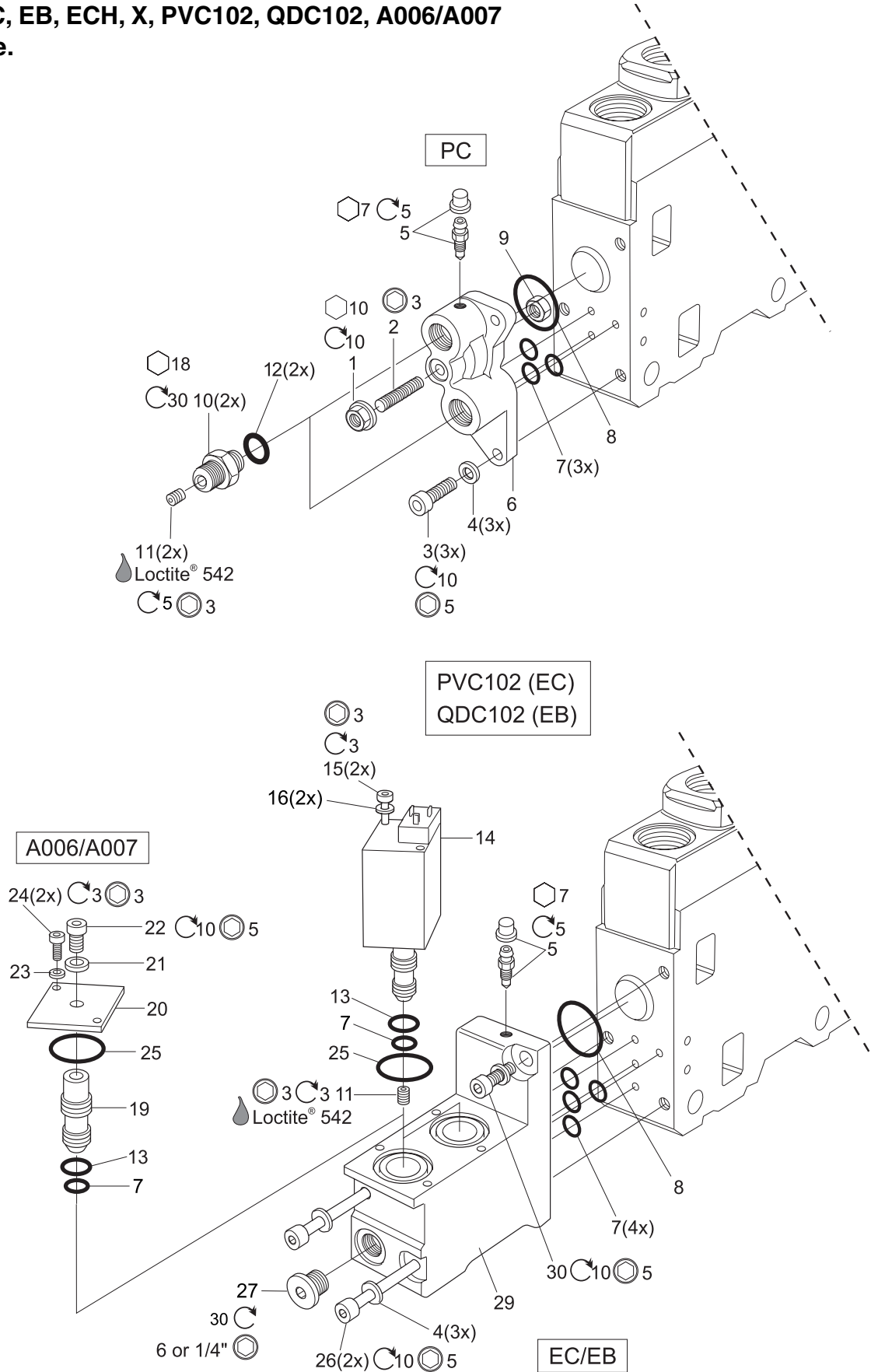
**PA1, Y1, T1B, P1B, MF, A019, MP, MP5,
 TP, R, YS, KS, /, A033, A034, A035**



See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
PA1 + xxx	16 + 17	–	Main relief valve PLC182	33 [20] (Pls see page 6/7)
Y1	16	9120092014	Main relief cavity plugged, Y1	36 [20, 34, 35]
Y1	16	393000K804	Seal kit	20, 34, 35
T1B + MG/MU	25 + 04	9120092354	T1 connection plugged, M	71, 72, 73(4x), 74(2x)
P1B + MG/MU	26 + 04	9120092359	P1 connection plugged, M	75, 76, 77(4x), 78(2x)
T2B + MG	24 + 04	9120092006	Tank connection T2 plugged, BSP 1"	67, 68
T2B + MU	24 + 04	-	Plug 16HP5ON-S	67 [68]
MP/MP5 + MG	24 + 04	6760231	Counter pressure valve, pilot op. BSP	57, 61, 62, 63, 64
MP/MP5 + MU	24 + 04	6760237	Counter pressure valve, pilot op. UNF	57, 61, 62, 63, 64
MF + MG	24 + 04	9120092010	Counter pressure valve, fact. set BSP	15, 16, 56, 57, 58, 61, 62
MF + MU	24 + 04	9120092011	Counter pressure valve, fact. set UNF	15 [16], 56, 57, 58, 61, 62
A019 + MG	24 + 04	9120092292	Counter pressure valve, fact. set BSP	15, 16, 57, 58, 61, 62
A019 + MU	24 + 04	9120092291	Counter pressure valve, fact. set UNF	15 [16], 57, 58, 61, 62
MF, A019 + MG	24 + 04	-	Plug VSTI1/4EDCF	15 [16]
MF, A019 + MU	24 + 04	-	Plug 6HP5ON-S	15 [16]
TP	28	9120092555	Connection separate pilot tank	85, 87
TPB + MG	28 + 04	9120092034	Plug BSP 3/8"	83, 84
TPB + MU	28 + 04	-	Plug 8HP5ON-S	84 [83]
KS/LS + LS2C/CL*	20 + 15	393000K037	Copy spool, size G	80, 87
KS/LS + LS2C/CL*	20 + 15	393000K437	Copy spool, size R	80, 87
KS/LS + LS2C/CL* + MG/MU	20+15+04	-	Plug VSTI1/8EDCF	87
"/LS3 + LS2C/CL* + MG/MU	20+15+04	6760222	Plug kit (Set of 5)	81(5x), 82(5x)
"/LS3, KS/LS + MG	20 + 04	-	Plug VSTI1/4EDCF	15 [16]
"/LS3, KS/LS + MU	20 + 04	-	Plug 6HP5ON-S	15 [16]
R/RX + MG	12 + 04	-	Plug VSTI1/4EDCF	15 [16]
R/RX + MU	12 + 04	-	Plug 6HP5ON-S	15 [16]
R/RX	12	6760222	Plug kit (Set of 5)	81(5x), 82(5x)
A033 + MG/MU	29 + 04	6760561	Restrictor check valve A033, Ø0.4 mm	99
A034 + MG/MU	29 + 04	6760571	Restrictor check valve A034, Ø0.6 mm	99
A035 + MG/MU	29 + 04	6760562	Restrictor check valve A035, Ø0.8 mm	99

CL*, LS, LS3: See old Customer Specifications in Syber.

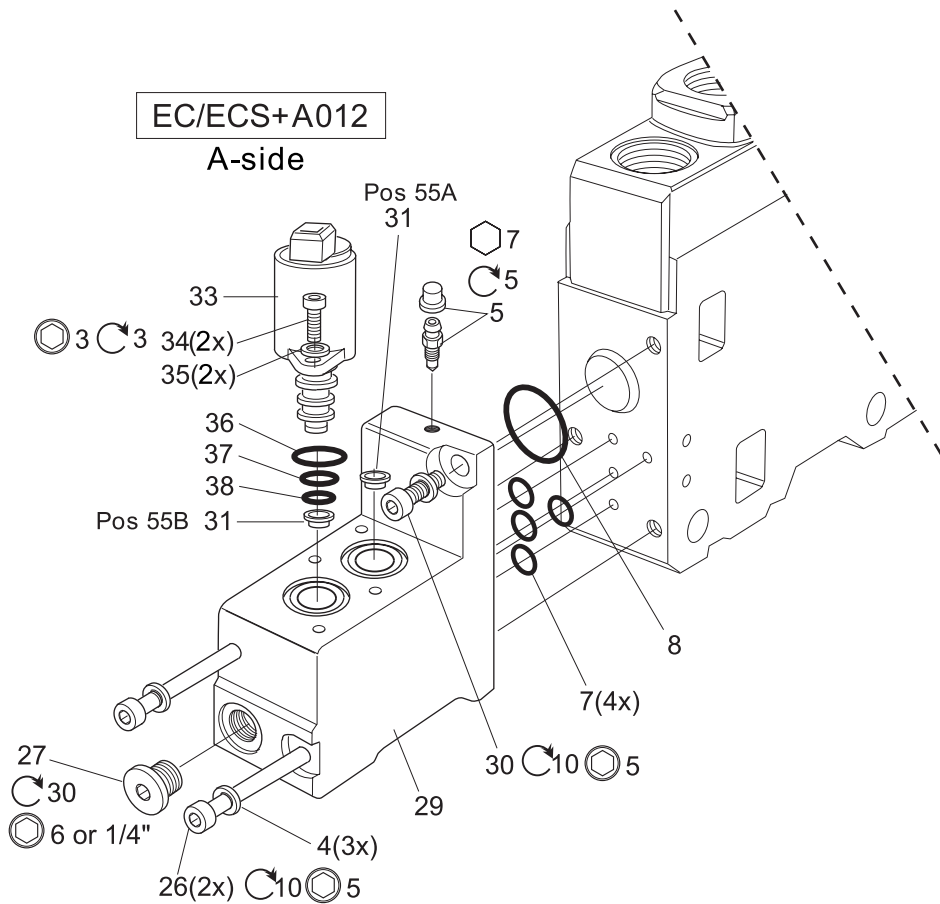
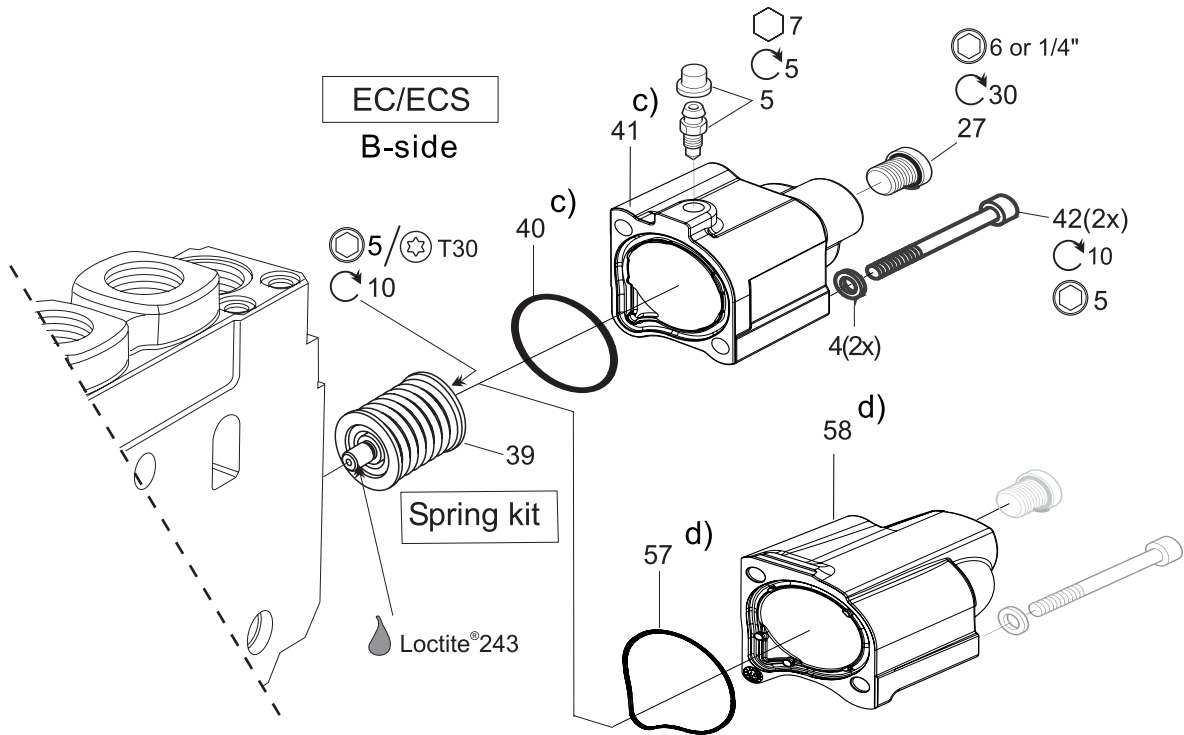
PC, EC, EB, ECH, X, PVC102, QDC102, A006/A007
A- side.



See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
EC, EB + G	50 + 04	9120092020	Cap kit EC/EB, A-side, BSP	4(3x), 5, 7(4x), 8, 25(2x), 26(2x), 27, 29, 30
EC, EB + U	50 + 04	9120092021	Cap kit EC/EB, A-side, UNF	4(3x), 5, 7(4x), 8, 25(2x), 26(2x), 27, 29, 30
EC, EB + G	50 + 04	6760800	Seal kit EC/EB, A-side, BSP	7(6x), 8, 13(2x), 25(2x), 27
EC, EB + U	50 + 04	6760801	Seal kit EC/EB, A-side, UNF	7(6x), 8, 13(2x), 25(2x), 27
EC, EB + 0,8	50 + 55A/55B	6760102	Orifice, \varnothing 0.8 mm (M6)	11 (Kit of 5 pcs)
EC, EB + 1,0	50 + 55A/55B	6760104	Orifice, \varnothing 1.0 mm (M6)	11 (Kit of 5 pcs)
EC, EB + 1,2	50 + 55A/55B	6760106	Orifice, \varnothing 1.2 mm (M6)	11 (Kit of 5 pcs)
EC, EB + 1,3	50 + 55A/55B	6760107	Orifice, \varnothing 1.3 mm (M6)	11 (Kit of 5 pcs)
EC, EB + 1,4	50 + 55A/55B	6760108	Orifice, \varnothing 1.4 mm (M6)	11 (Kit of 5 pcs)
EC, EB + 1,5	50 + 55A/55B	6760109	Orifice, \varnothing 1.5 mm (M6)	11 (Kit of 5 pcs)
EC, EB + 1,6	50 + 55A/55B	6760110	Orifice, \varnothing 1.6 mm (M6)	11 (Kit of 5 pcs)
EC, EB + G	50 + 04	-	Plug VST11/4EDCF	27
EC, EB + U	50 + 04	-	Plug 6HP5ON-S	27
A006, A007	59	9120092022	Solenoid cavity plugged	7, 13, 19, 20, 21, 22, 23(2x),24(2x),25
EC + 12	50 + 59 + 05	9120079243	Proportional solenoid valve, 12VDC	7, 13, 14, 15(2x), 16(2x), 25 (Not A012, A050)
EC + 24	50 + 59 + 05	9120079244	Proportional solenoid valve, 24VDC	7, 13, 14, 15(2x), 16(2x), 25 (Not A012, A050)
EB + 12	50 + 05	9120079245	On-off solenoid valve, 12VDC	7, 13, 14, 15(2x), 16(2x), 25
EB + 24	50 + 05	9120079246	On-off solenoid valve, 24VDC	7, 13, 14, 15(2x), 16(2x), 25
PC + G	50 + 04	9120092018	Cap kit PC, A-side, BSP	6 [1, 2, 5, 9], 3(3x). 4(3x), 7(3x), 8
PC + U	50 + 04	9120092019	Cap kit PC, A-side, UNF	6 [1, 2, 5, 9], 3(3x). 4(3x), 7(3x), 8
PC + G/U	50 + 04	9120092038	Seal kit PC, A-side	1, 5, 7(3x), 8, 12(2x)

Code	Pos	Part BSP	Part UNF	Description, Damper \varnothing in mm	Remarks / Items
PC + 0,6	50 + 55A/55B	9120092308	9120092328	\varnothing 0.6	10, 11, 12
PC + 0,8	50 + 55A/55B	9120092301	9120092321	\varnothing 0.8	10, 11, 12
PC + 0,9	50 + 55A/55B	9120092309	9120092329	\varnothing 0.9	10, 11, 12
PC + 1,0	50 + 55A/55B	9120092302	9120092322	\varnothing 1.0	10, 11, 12
PC + 1,1	50 + 55A/55B	9120092310	9120092330	\varnothing 1.1	10, 11, 12
PC + 1,2	50 + 55A/55B	9120092303	9120092323	\varnothing 1.2	10, 11, 12
PC + 1,3	50 + 55A/55B	9120092306	9120092326	\varnothing 1.3	10, 11, 12
PC + 1,4	50 + 55A/55B	9120092304	9120092324	\varnothing 1.4	10, 11, 12
PC + 1,5	50 + 55A/55B	9120092307	9120092327	\varnothing 1.5	10, 11, 12
PC + 1,6	50 + 55A/55B	9120092305	9120092325	\varnothing 1.6	10, 11, 12

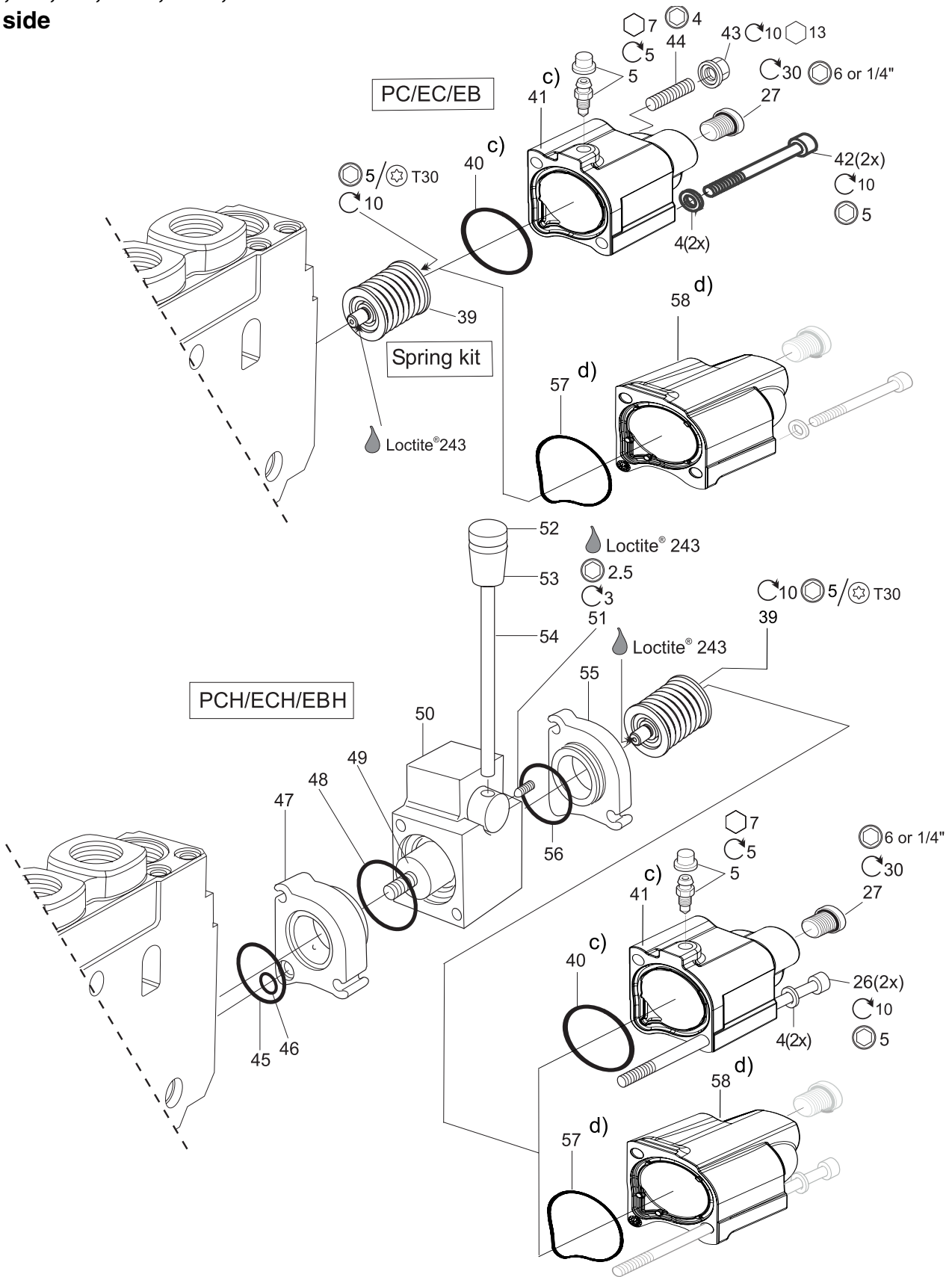
EC/ECS + A012



See Customer Specification					
Code	Pos	Part	Description	Remarks / Items	
EC/ECS + A012 + G	50+59+04	6760554	Cap kit EC, B-side, BSP	4(2x), 27, 42(2x), 57, 58	
EC/ECS + A012 + U	50+59+04	6760556	Cap kit EC, B-side, UNF	4(2x), 27, 42(2x), 57, 58	
EC/ECS + A012/A050 + G	50+59+04	9120092369	Cap kit EC A012, A-side, BSP (A050: deliv. with bleeding screw)	4(3x), 5, 7(4x), 8, 26(2x), 27, 29, 30, 34(4x), 35(4x)	
EC/ECS + A012/A050 + U	50+59+04	9120092370	Cap kit EC A012, A-side, UNF (A050: deliv. with bleeding screw)	4(3x), 5, 7(4x), 8, 26(2x), 27, 29, 30, 34(4x), 35(4x)	
EC/ECS + A012/A050 + G	50+59+04	6760776	Seal kit A012, A-side, BSP	5, 7(4x), 8, 27	
EC/ECS + A012/A050 + U	50+59+04	6760616	Seal kit A012, A-side, UNF	5, 7(4x), 8, 27	
EC/ECS + A012 + G	50+59+04	6760816	Seal kit A012, B-side, BSP	5, 27, 40, 57	
EC/ECS + A012 + U	50+59+04	6760817	Seal kit A012, B-side, UNF	5, 27, 40, 57	
EC + A012/A050 + 12 + A	50+59+05 +56A/B	393000M012	PVC25, 12 VDC for A012	Air bleed, can be manually operated, AMP 31, 33 [36, 37, 38], 34(2x)	
EC + A012/A050 + 24 + A	50+59+05 +56A/B	393000M024	PVC25, 24 VDC for A012	Air bleed, can be manually operated, AMP 31, 33 [36, 37, 38], 34(2x)	
ECS + A012/A050 + 12 + A	50+59+05 +56A/B	393000N012	PVC25, 12 VDC for A012	No air bleed, no manual. op. AMP 31, 33 [36, 37, 38], 34(2x)	
ECS + A012/A050 + 24 + A	50+59+05 +56A/B	393000N024	PVC25, 24 VDC for A012	No air bleed, no manual. op. AMP 31, 33 [36, 37, 38], 34(2x)	
ECS + A012/A050 + 12 + D	50+59+05 +56A/B	393000D012	PVC25, 12 VDC for A012	31, 33 [36, 37, 38], 34(2x) No air bleed, no manual op. Deutsch	
ECS + A012/A050 + 24 + D	50+59+05 +56A/B	393000D024	PVC25, 24 VDC for A012	31, 33 [36, 37, 38], 34(2x) No air bleed, no manual op. Deutsch	
EC/ECS + A012/A050 + A/D	50+59+56	393000K813	Seal kit PVC25	36, 37, 38 (Kit for 1 solenoid valve)	
A012/A050 + 2,0	59 + 55A/55B	6760090	Pilot orifice ø2.0, mark. 9 dots	31 (Set of 5 pcs)	
A012/A050 + 1,5		6760089	Pilot orifice ø1.5, mark. 8 dots	31 (Set of 5 pcs)	
A012/A050 + 1,4		6760088	Pilot orifice ø1.4, mark. 7 dots	31 (Set of 5 pcs)	
A012/A050 + 1,3		6760087	Pilot orifice ø1.3, mark. 6 dots	31 (Set of 5 pcs)	
A012/A050 + 1,2		6760086	Pilot orifice ø1.2, mark. 5 dots	31 (Set of 5 pcs)	
A012/A050 + 1,1		6760085	Pilot orifice ø1.1, mark. 4 dots	31 (Set of 5 pcs)	
A012/A050 + 1,0		6760084	Pilot orifice ø1.0, mark. 3 dots	31 (Set of 5 pcs)	
A012/A050 + 0,9		6760083	Pilot orifice ø0.9, mark. 10 dots	31 (Set of 5 pcs)	
A012/A050 + 0,8		6760082	Pilot orifice ø0.8, mark. 2 dots	31 (Set of 5 pcs)	
A012/A050 + 0,7		6760081	Pilot orifice ø0.7, mark. 12 dot	31 (Set of 5 pcs)	
A012/A050 + 0,6		6760080	Pilot orifice ø0.6, mark. 1 dots	31 (Set of 5 pcs)	
A012/A050 + 0,45		6760079	Pilot orifice ø0.45, mark. 11 dots	31 (Set of 5 pcs)	
PC/EC/ECS		50	9120092015	Spring kit	39
EC/ECS		50	9120092285	Air bleeding screw	5(2x)
EC/ECS + G	50 + 04	-	Plug VST11/4EDCF	27	
EC/ECS + U	50 + 04	-	Plug 6HP5ON-S	27	

c) For old spring cap, up to serial no. 1002...; d) For new spring cap, from serial no. 1003...

PC, EC, EB, PCH, ECH, EBH
B- side

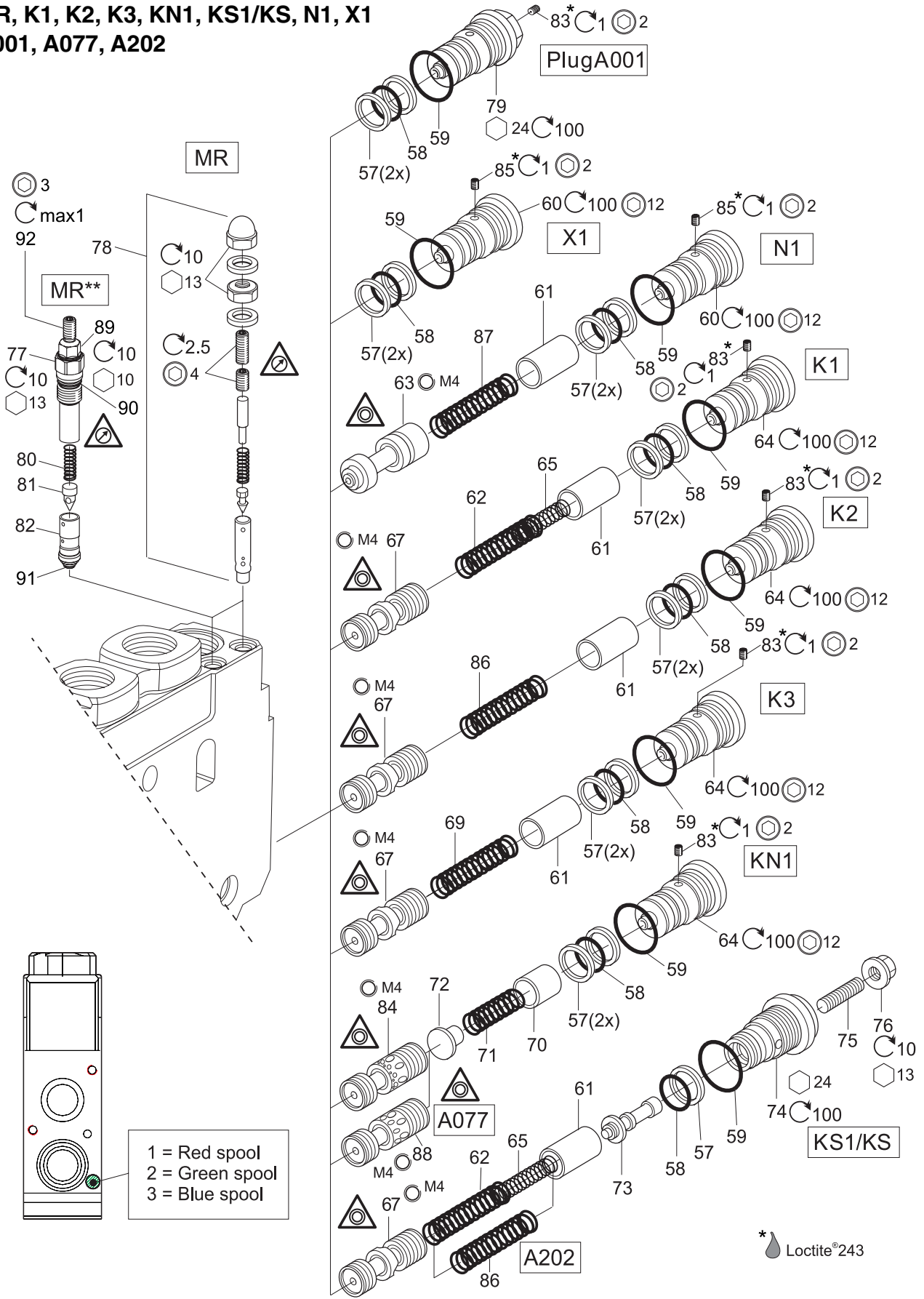


See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
PC, PCH + G	50 + 04	9120092016	Cap kit PC/PCH, B-side, BSP	4(2x), 42(2x), 57, 58 [27, 43, 44]
PC, PCH + U	50 + 04	9120092017	Cap kit PC/PCH, B-side, UNF	4(2x), 27, 42(2x), 57, 58 [43, 44]
EC, ECH, EB, EBH + G	50 + 04	6760554	**Cap kit EC, B-side, BSP	4(2x), 27, 42(2x), 57, 58
EC, ECH, EB, EBH + U	50 + 04	6760556	**Cap kit EC, B-side, UNF	4(2x), 27, 42(2x), 57, 58
PC, EC, EB + G	50 + 04	6760816	Seal kit PC/EC, B-side, BSP	5, 27, 40, 43, 57
PC, EC, EB + U	50 + 04	6760817	Seal kit PC/EC, B-side, UNF	5, 27, 40, 43, 57
PC, EC, EB	50	9120092285	Air bleeding screw	5(2x)
PC, EC, EB	50	9120092015	Spring kit	39
PCH, ECH, EBH	50	9120092045	Lever housing kit	4(2x), 26(2x), 45, 46, 47, 48, 49, 50 51, 52, 53, 54, 55, 56
PCH, ECH, EBH	50	9120092540	Handle kit	51, 52, 53, 54
PCH, ECH, EBH	50	6760546	Handle window (set of 6)	52
PCH, ECH, EBH	50	6760950	Handle window with knob	52, 53
PCH, ECH, EBH	50	9120092046	Seal kit, lever housing	40, 45, 46, 48, 56, 57
PC*, EC*, EB* + G	50 + 04	-	Plug VSTI1/4EDCF	27
PC*, EC*, EB* + U	50 + 04	-	Plug 6HP5ON-S	27

** No possibility for spool stroke limitation (EB*, EC* spool actuators).

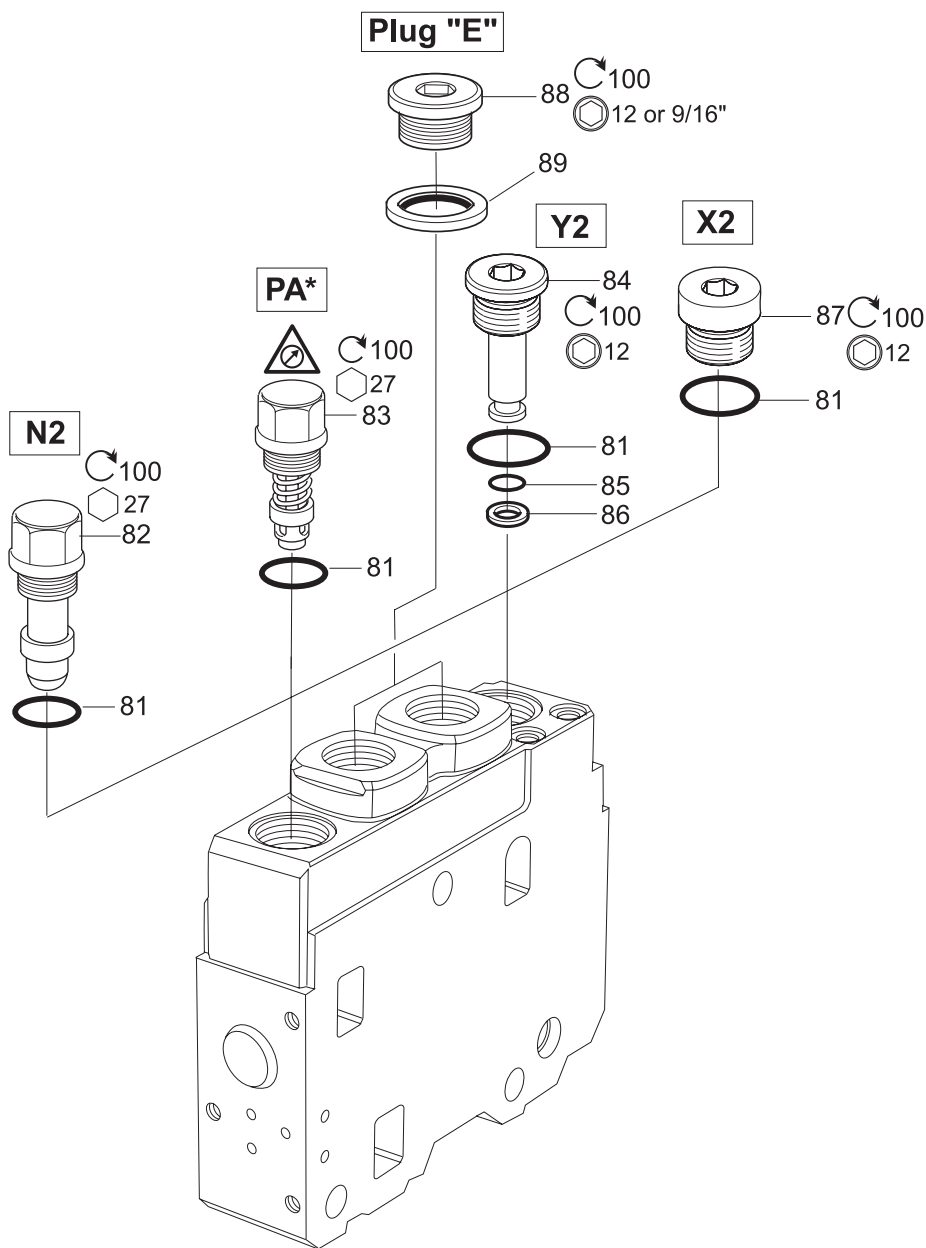
c) For old spring cap, up to serial no. 1002...; d) For new spring cap, from serial no. 1003...

MR, K1, K2, K3, KN1, KS1/KS, N1, X1
A001, A077, A202



























See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
K1, K2, K3, KN1, A077 + 0,6	66 + 67	9120092474	Plug w. orifice \varnothing 0.6 mm assy.	64 [57(2x), 58, 59], 83
K1, K2, K3, KN1, A077 + 0,8	66 + 67	9120092475	Plug w. orifice \varnothing 0.8 mm assy.	64 [57(2x), 58, 59]
K1, K2, K3, KN1, A077 + 1,0	66 + 67	9120092476	Plug w. orifice \varnothing 1.0 mm assy.	64 [57(2x), 58, 59], 83
X1, N1	66	9120092470	Plug, valve without compensator	60 [57(2x), 58, 59], 85
A001 + 0,6	67 + 74	9120092534	Plug w. orifice \varnothing 0.6 mm assy UNF	79 [57(2x), 58, 59], 83
A001 + 0,8	67 + 74	9120092504	Plug w. orifice \varnothing 0.8 mm assy UNF	79 [57(2x), 58, 59], 83
A001 + 1,0	67 + 74	9120092544	Plug w. orifice \varnothing 1.0 mm assy UNF	79 [57(2x), 58, 59], 83
A001 + 0,6	67 + 74	9120092536	Plug w. orifice \varnothing 0.6 mm assy BSP	79 [57(2x), 58, 59], 83
A001 + 0,8	67 + 74	9120092537	Plug w. orifice \varnothing 0.8 mm assy BSP	79 [57(2x), 58, 59], 83
A001 + 1,0	67 + 74	9120092538	Plug w. orifice \varnothing 1.0 mm assy BSP	79 [57(2x), 58, 59], 83
KS1/KS, A202 + 0,6	66 + 67	9120092260	Plug with orifice \varnothing 0.6 mm	74 [57, 58, 59, 75, 76]
KS1/KS, A202 + 0,8	66 + 67	9120092261	Plug with orifice \varnothing 0.8 mm	74 [57, 58, 59, 75, 76]
KS1/KS, A202 + 1,0	66 + 67	9120092262	Plug with orifice \varnothing 1.0 mm	74 [57, 58, 59, 75, 76]
N1	66	9120092471	Feeding check valve, size 1 (Red)	60 [57(2x), 58, 59], 61, 63, 85, 87
N1	66	9120092472	Feeding check valve, size 2 (Green)	60 [57(2x), 58, 59], 61, 63, 85, 87
N1	66	9120092473	Feeding check valve, size 3 (Blue)	60 [57(2x), 58, 59], 61, 63, 85, 87
N1	66	6760789	Spring kit, N1	87
K1	66	9120092062	Compensator kit, size 1 (Red)	61, 62, 65, 67
K1	66	9120092058	Compensator kit, size 2 (Green)	61, 62, 65, 67
K1	66	9120092054	Compensator kit, size 3 (Blue)	61, 62, 65, 67
K1, KS1/KS	66	6760785	Spring kit, K1, KS1	62, 65
K2	66	9120092063	Compensator kit, size 1 (Red)	61, 67, 86
K2	66	9120092059	Compensator kit, size 2 (Green)	61, 67, 86
K2	66	9120092055	Compensator kit, size 3 (Blue)	61, 67, 86
K2, A202	66	6760786	Spring kit, K2, A202	86
K3	66	9120092064	Compensator kit, size 1 (Red)	61, 67, 69
K3	66	9120092060	Compensator kit, size 2 (Green)	61, 67, 69
K3	66	9120092056	Compensator kit, size 3 (Blue)	61, 67, 69
K3	66	6760787	Spring kit, K3	69
KN1	66	9120092595	Compensator kit, size 1 (Red)	70, 71, 72, 84
KN1	66	9120092596	Compensator kit, size 2 (Green)	70, 71, 72, 84
KN1	66	9120092597	Compensator kit, size 3 (Blue)	70, 71, 72, 84
A077	66	6760453	Compensator kit A077, size 3 (Blue)	70, 71, 72, 88
KN1, A077	66	6760788	Spring kit, KN1, A077	71
KS1/KS	66	9120092263	Compensator kit, size 1 (Red)	61, 62, 65, 67, 73
KS1/KS	66	9120092264	Compensator kit, size 2 (Green)	61, 62, 65, 67, 73
KS1/KS	66	9120092265	Compensator kit, size 3 (Blue)	61, 62, 65, 67, 73
A202	66	6760374	Compensator kit A202, size 1 (Red)	61, 67, 73, 86
A202	66	6760373	Compensator kit A202, size 2 (Green)	61, 67, 73, 86
A202	66	6760372	Compensator kit A202, size 3 (Blue)	61, 67, 73, 86
		9120092477	Seal kit, all compensators, A001/A077/A202	57(2x), 58, 59
MR**	75	9120092601	Feed reducer valve (serial # > 0623xxxx)	77 [89, 90, 92], 80, 81, 82 [91]
MR	75	9120092023	Feed reducer valve (serial # < 0623xxxx)	78
MR	75	6763003	Seal kit MR	89, 90, 91

PA, Y2, N2, X2, A008

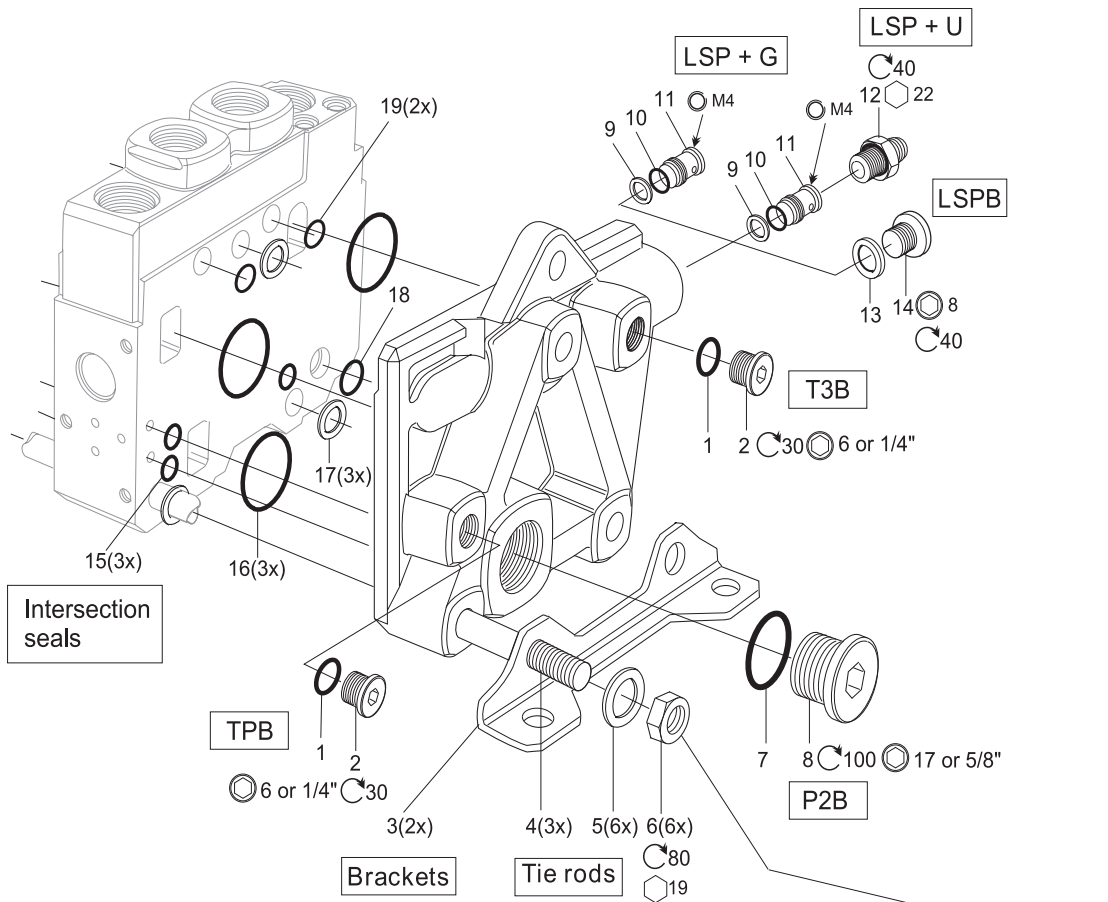


* PA represents a pressure in bar

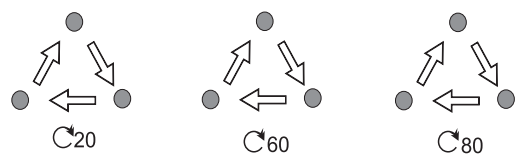
See Customer Specification					
Code	Pos	Part Std	Part A002	Description	Items
50 (PA)	76A/76B	9120029904	9120029954	Port relief valve, PLC185- 50-20, (bar at 20 l/min)	83 [81] 
63 (PA)	76A/76B	9120029905	9120029955	Port relief valve, PLC185- 63-20, (bar at 20 l/min)	83 [81] 
80 (PA)	76A/76B	9120029906	9120029956	Port relief valve, PLC185- 80-20, (bar at 20 l/min)	83 [81] 
100 (PA)	76A/76B	9120029907	9120029957	Port relief valve, PLC185-100-20, (bar at 20 l/min)	83 [81] 
125 (PA)	76A/76B	9120029908	9120029958	Port relief valve, PLC185-125-20, (bar at 20 l/min)	83 [81] 
140 (PA)	76A/76B	9120029909	9120029959	Port relief valve, PLC185-140-20, (bar at 20 l/min)	83 [81] 
160 (PA)	76A/76B	9120029910	9120029960	Port relief valve, PLC185-160-20, (bar at 20 l/min)	83 [81] 
175 (PA)	76A/76B	9120029911	9120029961	Port relief valve, PLC185-175-20, (bar at 20 l/min)	83 [81] 
190 (PA)	76A/76B	9120029912	9120029962	Port relief valve, PLC185-190-20, (bar at 20 l/min)	83 [81] 
210 (PA)	76A/76B	9120029913	9120029963	Port relief valve, PLC185-210-20, (bar at 20 l/min)	83 [81] 
230 (PA)	76A/76B	9120029914	9120029964	Port relief valve, PLC185-230-20, (bar at 20 l/min)	83 [81] 
240 (PA)	76A/76B	9120029924	9120029974	Port relief valve, PLC185-240-20, (bar at 20 l/min)	83 [81] 
250 (PA)	76A/76B	9120029915	9120029965	Port relief valve, PLC185-250-20, (bar at 20 l/min)	83 [81] 
260 (PA)	76A/76B	9120029923	9120029973	Port relief valve, PLC185-260-20, (bar at 20 l/min)	83 [81] 
270 (PA)	76A/76B	9120029926	9120029976	Port relief valve, PLC185-270-20, (bar at 20 l/min)	83 [81] 
280 (PA)	76A/76B	9120029916	9120029966	Port relief valve, PLC185-280-20, (bar at 20 l/min)	83 [81] 
300 (PA)	76A/76B	9120029917	9120029967	Port relief valve, PLC185-300-20, (bar at 20 l/min)	83 [81] 
310 (PA)	76A/76B	6760609	-	Port relief valve, PLC185-310-20, (bar at 20 l/min)	83 [81] 
320 (PA)	76A/76B	6760610	-	Port relief valve, PLC185-320-20, (bar at 20 l/min)	83 [81] 
330 (PA)	76A/76B	9120029918	9120029968	Port relief valve, PLC185-330-20, (bar at 20 l/min)	83 [81] 
350 (PA)	76A/76B	9120029919	9120029969	Port relief valve, PLC185-350-20, (bar at 20 l/min)	83 [81] 
365 (PA)	76A/76B	6760319	-	Port relief valve, PLC185-365-20, (bar at 20 l/min)	83 [81] 
380 (PA)	76A/76B	6760874	-	Port relief valve, PLC185-380-20, (bar at 20 l/min)	83 [81] 
400 (PA)	76A/76B	6760875	-	Port relief valve, PLC185-400-20, (bar at 20 l/min)	83 [81] 

Code	Pos	Part	Description	Remarks / Items
N2	76	9120092030	Check valve N2	82 [81]
Y2	76	9120100122	Cavity plug Y2	84 [81, 85, 86]
Y2	76	393000K804	Seal kit Y2	81, 85, 86
X2	76	9120099682	Plug X2	87 [81]
		6760193	Seal kit PA, N2, X2 (Set of 5)	81(5x)
A008	76	6760519	Y2 plug with small leakage	84 [81, 85, 86]
EA*, EB* + G	60 + 04	9120091011	Plug "E", BSP 3/4"	88, 89
EA*, EB* + U	60 + 04	-	Plug "E" 12HP5ON-S	88

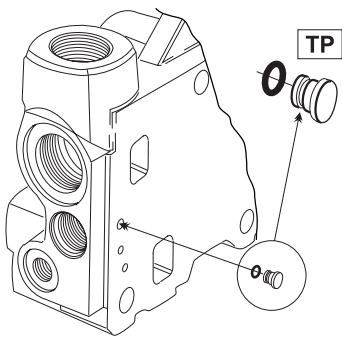
LSP, LSPB, T3B, P2B, TPB, tie rods, intersection seals



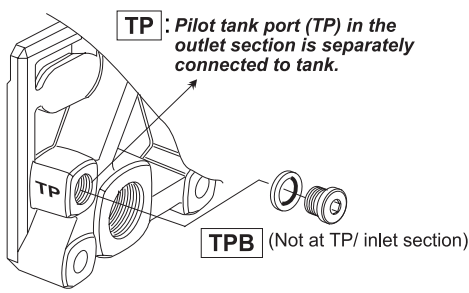
To be tightened in 3 steps: 20 Nm, 60 Nm, 80 Nm



Inlet section K170LS



Outlet section K170LS

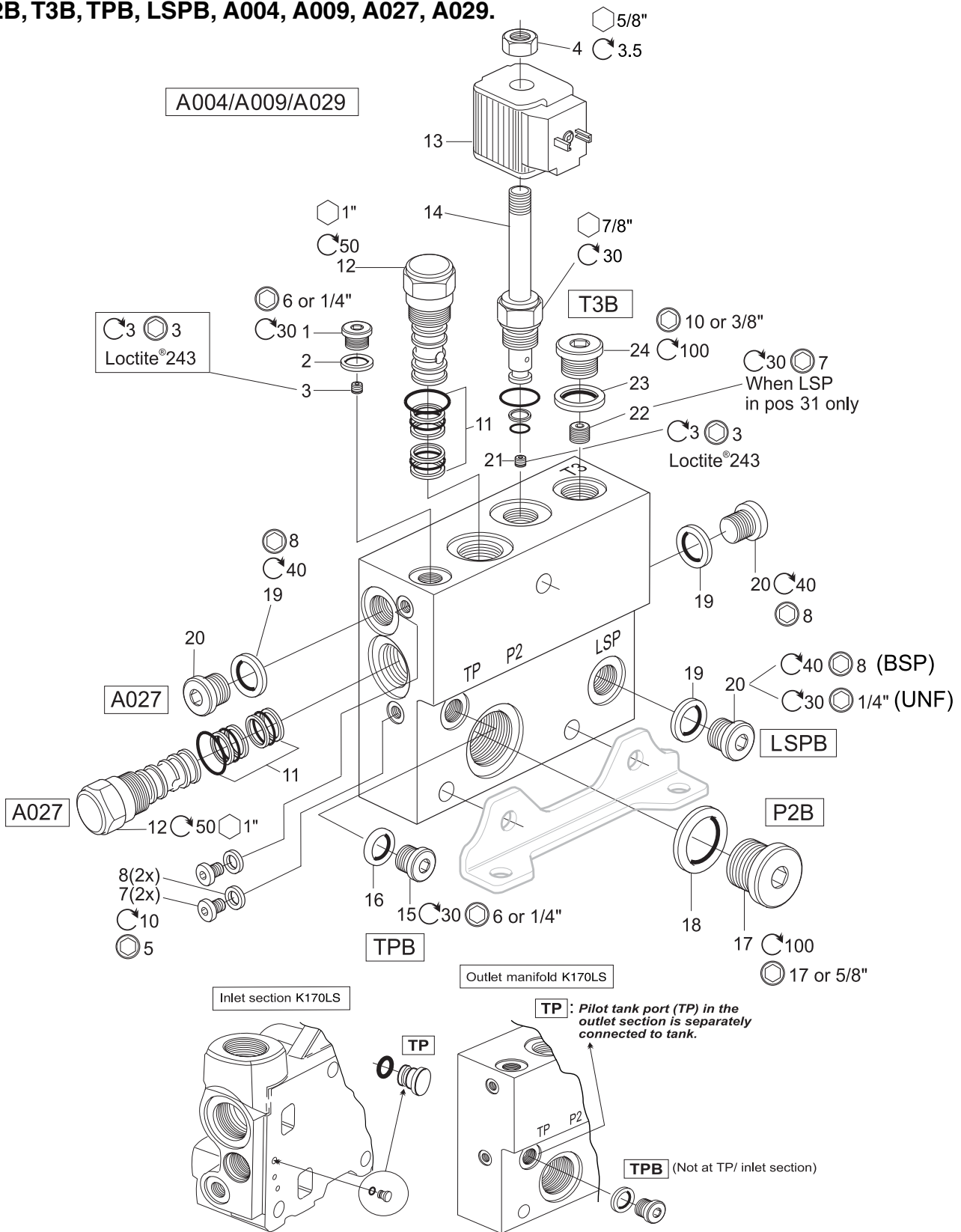


Plug with O-ring on, to be assembled to the inlet section **ONLY** when TP port in the outlet section, alt. manifold, is separately connected to tank.

Plug assembled in combination with plug in TP port (TPB), involves considerable RISKS !

See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
Brackets		9120092035	Bracket kit	3(2x), 5(6x), 6(6x)
Tie rods		9120092341	Tie rod kit for 1 - section valve, 198 mm	4(3x), 5(6x), 6(6x)
Tie rods		9120092342	Tie rod kit for 2 - section valve, 244 mm	4(3x), 5(6x), 6(6x)
Tie rods		9120092343	Tie rod kit for 3 - section valve, 299 mm	4(3x), 5(6x), 6(6x)
Tie rods		9120092344	Tie rod kit for 4 - section valve, 348 mm	4(3x), 5(6x), 6(6x)
Tie rods		9120092345	Tie rod kit for 5 - section valve, 396 mm	4(3x), 5(6x), 6(6x)
Tie rods		9120092346	Tie rod kit for 6 - section valve, 448 mm	4(3x), 5(6x), 6(6x)
Tie rods		9120092347	Tie rod kit for 7 - section valve, 501 mm	4(3x), 5(6x), 6(6x)
Tie rods		9120092348	Tie rod kit for 8 - section valve, 549 mm	4(3x), 5(6x), 6(6x)
Tie rods		9120092349	Tie rod kit for 9 - section valve, 597 mm	4(3x), 5(6x), 6(6x)
Tie rods		6760818	Tie rod kit for 10 - section valve, 650 mm	4(3x), 5(6x), 6(6x)
		9120092036	Intersection seal kit	15(3x), 16(3x), 17(3x), 18
M/M2 + A067	85 + 44/74	6760189	Intersection seal kit	15(3x), 16(3x), 18, 19(2x)
LSP + G	31 + 04	9120092032	LS connection open, BSP	11 [9, 10]
LSP + U	31 + 04	9120092033	LS connection open, UNF	11 [9, 10], 12
LSP + U	31 + 04	-	Nipple 6-6F4OMXS	12
LSPB + G/U	31 + 04	9120092034	LS connection plugged, BSP 3/8"	13, 14
P2B + G	32 + 04	9120092006	P2 connection plugged, BSP 1"	7, 8
P2B + U	32 + 04	-	Plug 16HP5ON-S	8 [7]
T3B + G	34 + 04	-	Plug VST11/4EDCF	2 [1]
T3B + U	34 + 04	-	Plug 6HP5ON-S	2 [1]
TPB + G	40 + 04	-	Plug VST11/4EDCF	2 [1]
TPB + U	40 + 04	-	Plug 6HP5ON-S	2 [1]
Tie rods		9120092556	K170LS 1 section + Combine inlet, 135 mm	4(3x), 5(3x), 6(3x)
Tie rods		9120092557	K170LS 2 sections + Combine inlet, 185 mm	4(3x), 5(3x), 6(3x)
Tie rods		9120092558	K170LS 3 sections + Combine inlet, 237 mm	4(3x), 5(3x), 6(3x)
Tie rods		9120092559	K170LS 4 sections + Combine inlet, 289 mm	4(3x), 5(3x), 6(3x)
Tie rods		9120092560	K170LS 5 sections + Combine inlet, 335 mm	4(3x), 5(3x), 6(3x)
Tie rods		6763091	K170LS 6 sections + Combine inlet, 385 mm	4(3x), 5(3x), 6(3x)
Brackets		9120092567	Bracket kit	3, 5(3x), 6(3x)





P2B, T3B, TPB, LSPB, A004, A009, A027, A029.



Plug with O-ring on, to be assembled to the inlet section **ONLY** when TP port in the outlet section, alt. manifold, is separately connected to tank.

Plug assembled in combination with plug in TP port (TPB). involves considerable RISKS !

See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
TPB + G	40 + 04	-	Plug VSTI1/4EDCF	15 [16] (Not at A027)
TPB + U	40 + 04	-	Plug 6HP5ON-S	15 [16] (Not at A027)
P2B + G	32 + 04	9120092006	P2 connection plugged 1"	17, 18
P2B + U	32 + 04	-	Plug 16HP5ON-S	17 [18]
LSPB + G	31 + 04	9120092034	LS connection plugged 3/8"	19, 20
LSPB + U	31 + 04	-	Plug 6HP5ON-S	20 [19]
LSP	31	-	Plug BSP 1/4 DIN 906	22
T3B + G	34 + 04	-	Plug VSTI1/2EDCF	24 [23]
T3B + U	34 + 04	-	Plug 10HP5ON-S	24 [23]
A004	30 + 24	6760655	S8LDD024, coil 24VDC	13
A009	30 + 12	6760654	S8LDD012, coil 12VDC	13
A029	30 + 24	6760656	CCP024HE, coil 24VDC	13
A009/A029	30	6760657	Solenoid valve, DSH092C	14 [4]
A004	30	6760658	Solenoid valve, DSH092N	14 [4]
A004/A009 + 35	30 + 13	6760107	Orifice \varnothing 1.3 mm	21 (Set of 5 pcs)
A004/A009 + 45	30 + 13	6760108	Orifice \varnothing 1.4 mm	21 (Set of 5 pcs)
A004/A009	30	6760076	Orifice \varnothing 0.6 mm	3 (Set of 5 pcs)
A029	30	-	Plug P6SS M6 x 6	3
A004/A009/A029 + G	30 + 04	-	Plug VSTI1/4EDCF	1 [2]
A004/A009/A029 + U	30 + 04	-	Plug 6HP5ON-S	1 [2]
A004/A009/A027	30	6760659	Cartridge DPS2-10-F-F-40	12 [11]
A029	30	6760660	Cartridge DPS2-10-S-F-0-160	12 [11]
A004/A009/A029	30	6760586	Kit M6 x 8 plug	7, 8
A004/A009/A027/A029	30	9120092034	Plug kit, BSP 3/8"	19, 20

Symbol	Description
	<p>For optimum function, the radial play between spool and spool bore must be correct. Spools are therefore colour-coded to identify sizes. We recommend that the whole valve/section is changed if the spool has to be replaced (valve housings cannot be purchased as spares, so if a new one is required a new valve or complete section should be ordered). If the spool has to be changed, it is extremely important that the new spool is the right size.</p> <p>If the spool is too large, it will not work properly even if it appears to function perfectly on assembly, and if the spool is too small, function will also be adversely affected. Spools that are classified by size are marked in the list with  .</p> <p>The colour-marking of the spool may disappear after a time, so, unless otherwise stated, the housing is marked with a letter to indicate the respective colour as follows: B for Blue, G for Green, R for Red.</p>
	<p>Changing the settings, replacing the preset pressure relief valve or breaking the seal must only be done in accordance with the manufacturer's instructions. Other settings may seriously damage the machine and other assets, and may cause personal injury. Note that a value contained in the customer specification manual does not apply if the manufacturer changed the settings at installation.</p> <p>Always contact the manufacturer's service organisation before servicing items marked with  .</p>

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