



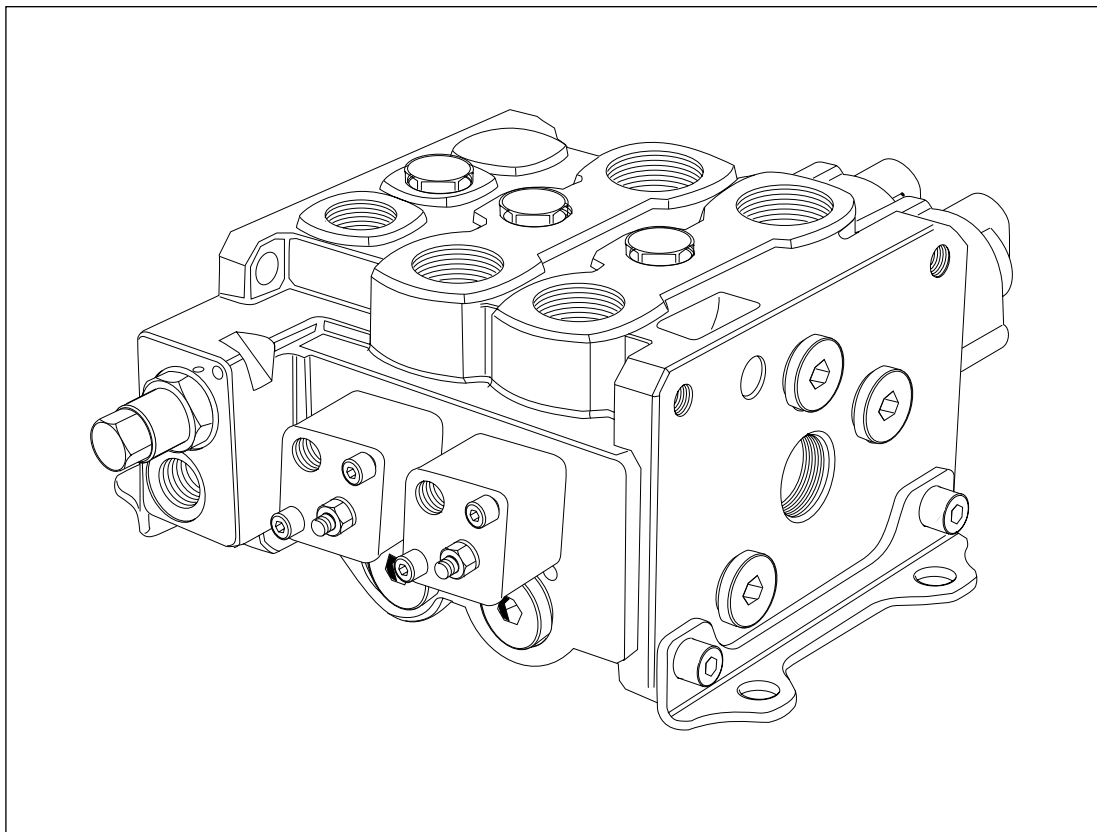
Bulletin HY17-8802-M1/UK

Spare Parts List

Series H170CF

Effective date: August 13, 2013

Supersedes: May 29, 2012



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.

A little technical index. Example.

- 1 = Item pos. no. 1.
- 1(2x) = Item pos. no. 1 consists of 2 pieces.
- 1 [2] = Item pos. no. 2 already mounted on the item pos. no. 1 at delivery.
- 1 [2](2x) = Item pos. no. 1 (see above) consists of 2 pieces.

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...
	 = Spool classified by size



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.

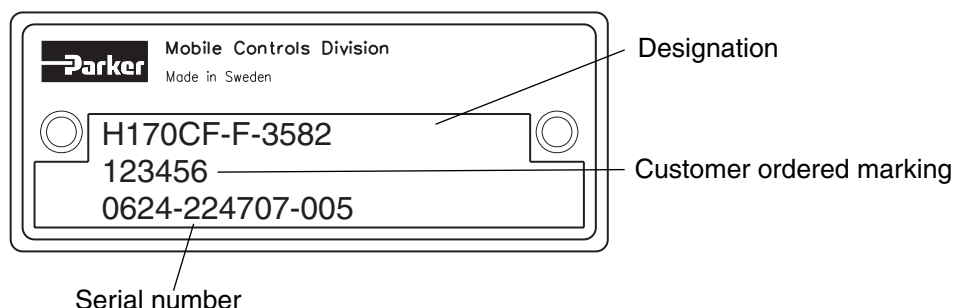
The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, 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

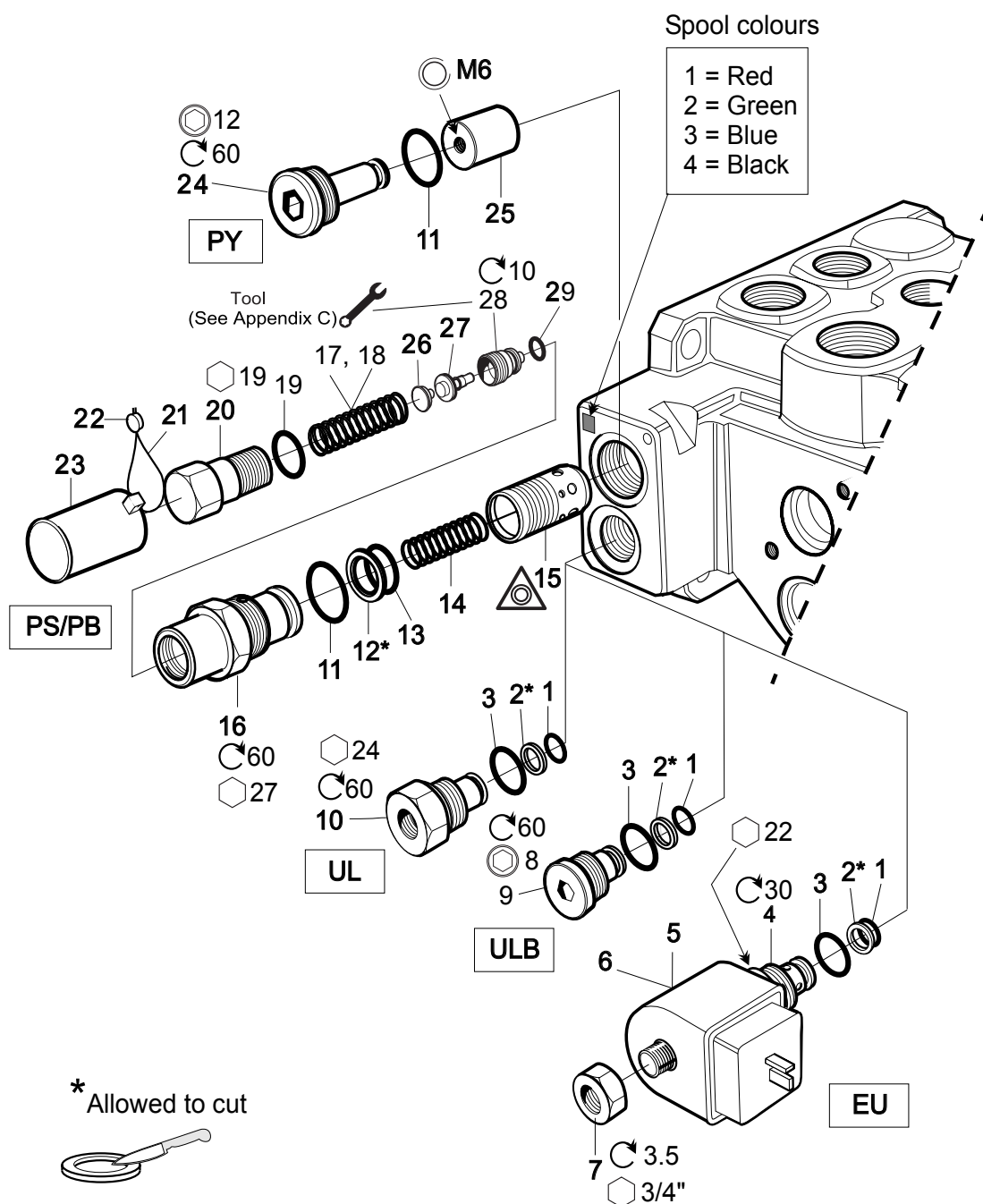
Please contact your Parker representation for a detailed "Offer of Sale".

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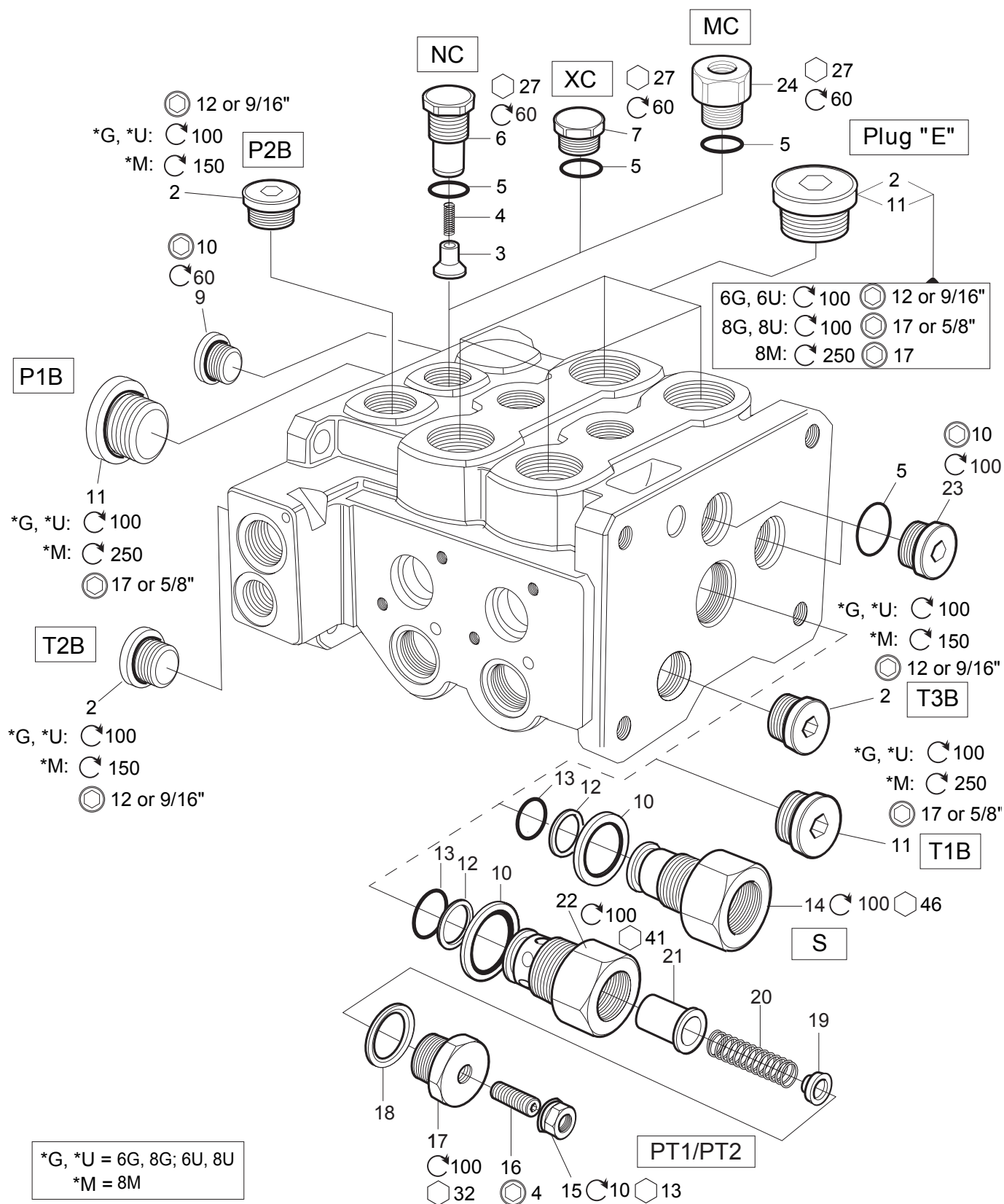
Valve serial numbers consist of three groups of digits
 The first group shows year and week of manufacture:
 In this example, 0624 means week 24 of 2006
 The remaining digits are for internal use within Parker

PS, PB, PY, UL, EU, A24



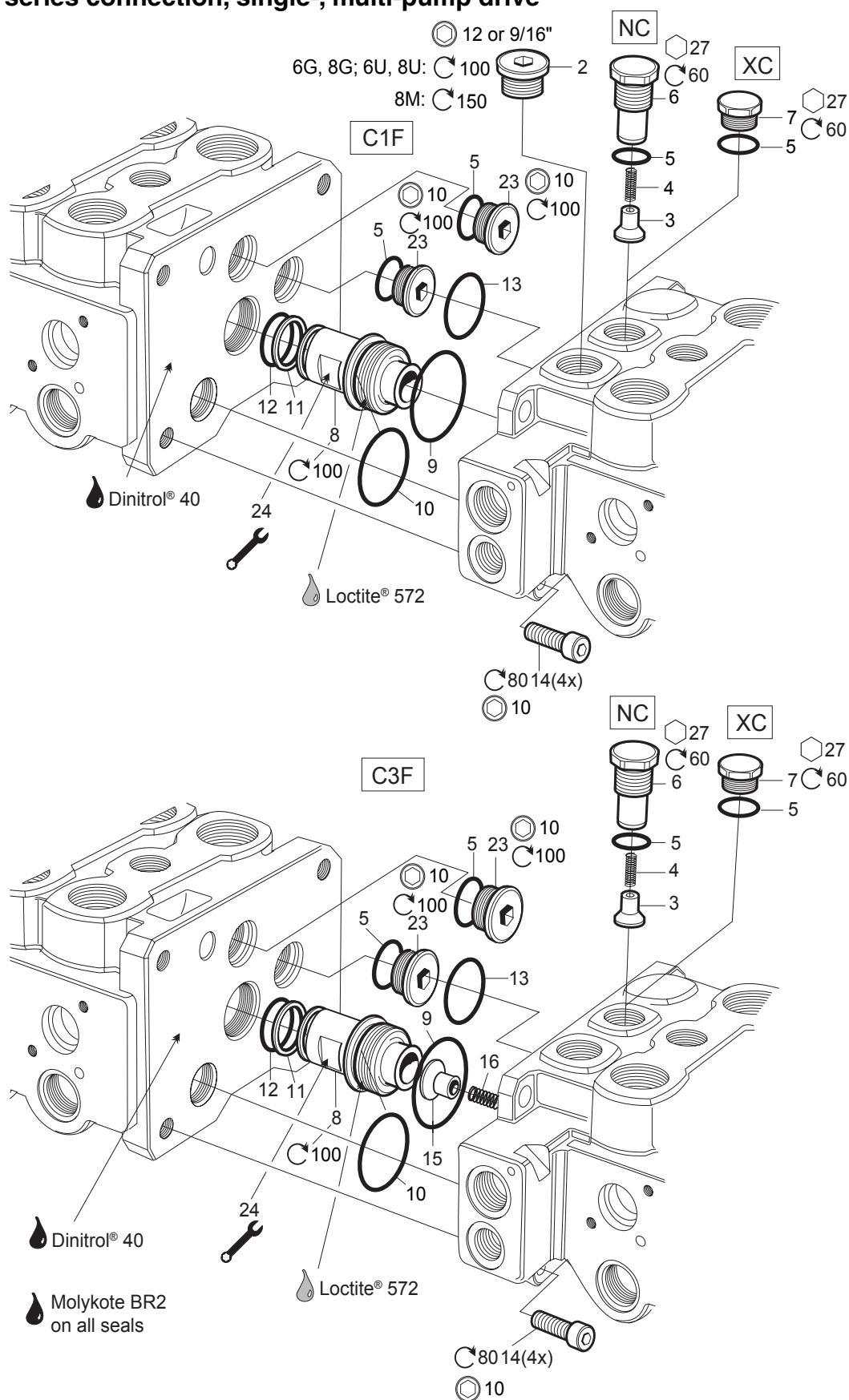
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
PS	11 + 12	9120091001	Main relief, adjustable, (100-250) bar	14, 16 [11, 12, 13, 17, 19, 20, 26, 27, 28, 29]
PS	11 + 12	9120091002	Main relief, adjustable, (251-320) bar	14, 16 [11, 12, 13, 18, 19, 20, 26, 27, 28, 29]
PB	11 + 12	9120091003	Main relief, adj. sealed, (100-250) bar	14, 16 [11, 12, 13, 17, 19, 20, 26, 27, 28, 29], 21, 22, 23
PB	11 + 12	9120091004	Main relief, adj. sealed, (251-320) bar	14, 16 [11, 12, 13, 18, 19, 20, 26, 27, 28, 29], 21, 22, 23
PS, PB	11 + 12	9120091091	Main relief, pilot part (100-250) bar	16 [11, 12, 13, 17, 19, 20, 26, 27, 28, 29]
PS, PB	11 + 12	9120091094	Main relief, pilot part (251-320) bar	16 [11, 12, 13, 18, 19, 20, 26, 27, 28, 29]
PS, PB	11 + 12	6760855	Kit spring (100-250) bar	17
PS, PB	11 + 12	6760858	Kit spring (251-320) bar	18
PS, PB	11	6760576	HTB spool size 'Red'	15
PS, PB	11	6760577	HTB spool size 'Green'	15
PS, PB	11	6760578	HTB spool size 'Blue'	15
PS, PB	11	6760579	HTB spool size 'Black'	15
PS, PB	11	6760779	Standard bypass spring	14
A24	14	9120091083	Bypass spring, 3 bar	14
PS, PB	11	9120091031	Seal kit PS, PB	11, 12, 13, 19, 29
PB	11	9120091084	Sealing set	21, 22, 23
PY	11	9120091005	Main relief cavity plugged	11, 24, 25
UL	13	9120091007	Ext. pump unloading, inlet open, BSP	10 [1, 2, 3]
UL	13	9120091065	Ext. pump unloading, inlet open, UNF	10 [1, 2, 3]
ULB	13	9120091008	Ext. pump unloading, inlet plugged	9 [1, 2, 3]
EU	13	-	GS02-79-0, Solenoid operated pump unloading	4 [1, 2, 3], 7
EU12	13	-	CCS012D, Coil 12 VDC	5
EU24	13	-	CCS024D, Coil 24 VDC	6
UL,ULB,EU	13	9120091009	Seal kit UL, ULB, EU	1, 2, 3

P1B, T1B, S, PT1, PT2, NC, MC, EA, EB



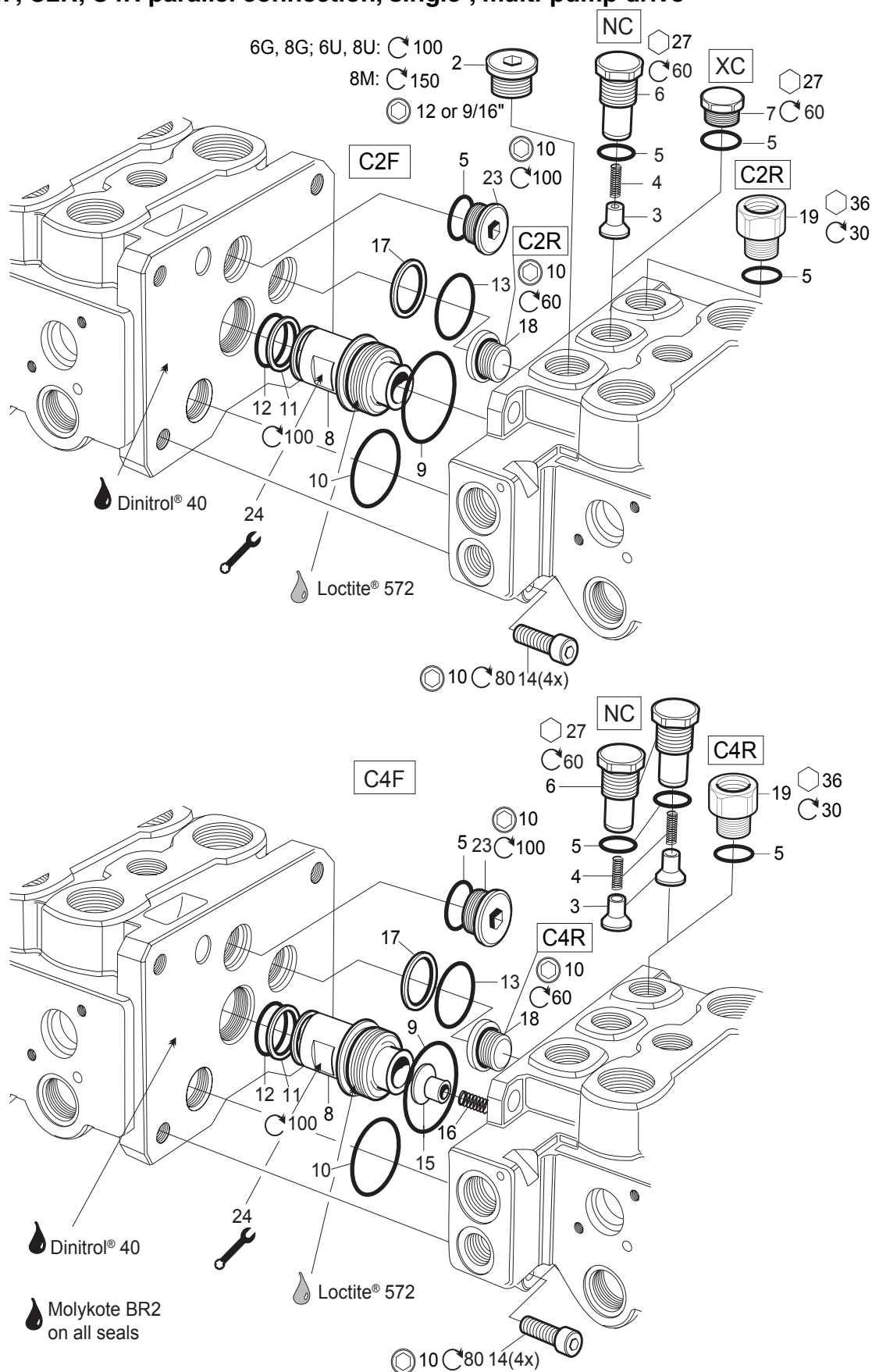
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
P1B, T1B	20, 22	-	Plug VSTI1EDCF, BSP	11
P1B, T1B	20, 22	-	Plug 16HP5ON-S, UNF	11
P1B, T1B	20, 22	-	Plug VSTI33x2EDCF, Metric	11
P2B, T2B, T3B	21, 23, 24	-	Plug VSTI3/4EDCF, BSP	2
P2B, T2B, T3B	21, 23, 24	-	Plug 12HP5ON-S, UNF	2
P2B, T2B, T3B	21, 23, 24	-	Plug VSTI27x2EDCF, Metric	2
S	22	9120091012	Series connection adaptor, BSP	10, 14 [12, 13]
S	22	9120091066	Series connection adaptor, UNF	10, 14 [12, 13]
PT1	22	9120091043	Counter pressure valve (4-8) bar, BSP	10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22
PT1	22	9120091045	Counter pressure valve (4-8) bar, UNF	10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22
PT2	22	9120091044	Counter pressure valve (8-12) bar, BSP	10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22
PT2	22	9120091046	Counter pressure valve (8-12) bar, UNF	10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22
NC	06	9120091015	Check valve, NC	3 [4], 5, 6
XC	06	9120099930	Cavity plugged, XC	5, 7
MC	06	9120099740	Common test point, MC	5, 24
		398000K061	Plug BSP 1/2" (O-ring)	23 [5]
		-	Plug VSTI1/2EDCF	9
EA, EB + 6G	30 + 04	-	Plug "E", VSTI3/4EDCF	2
EA, EB + 6U	30 + 04	-	Plug "E", 12HP5ON-S	2
EA, EB + 8G	30 + 04	-	Plug "E", VSTI1EDCF	11
EA, EB + 8U	30 + 04	-	Plug "E", 16HP5ON-S	11
EA, EB + 8M	30 + 04	-	Plug "E", VSTI33x2EDCF	11

C1F, C3F series connection, single-, multi-pump drive



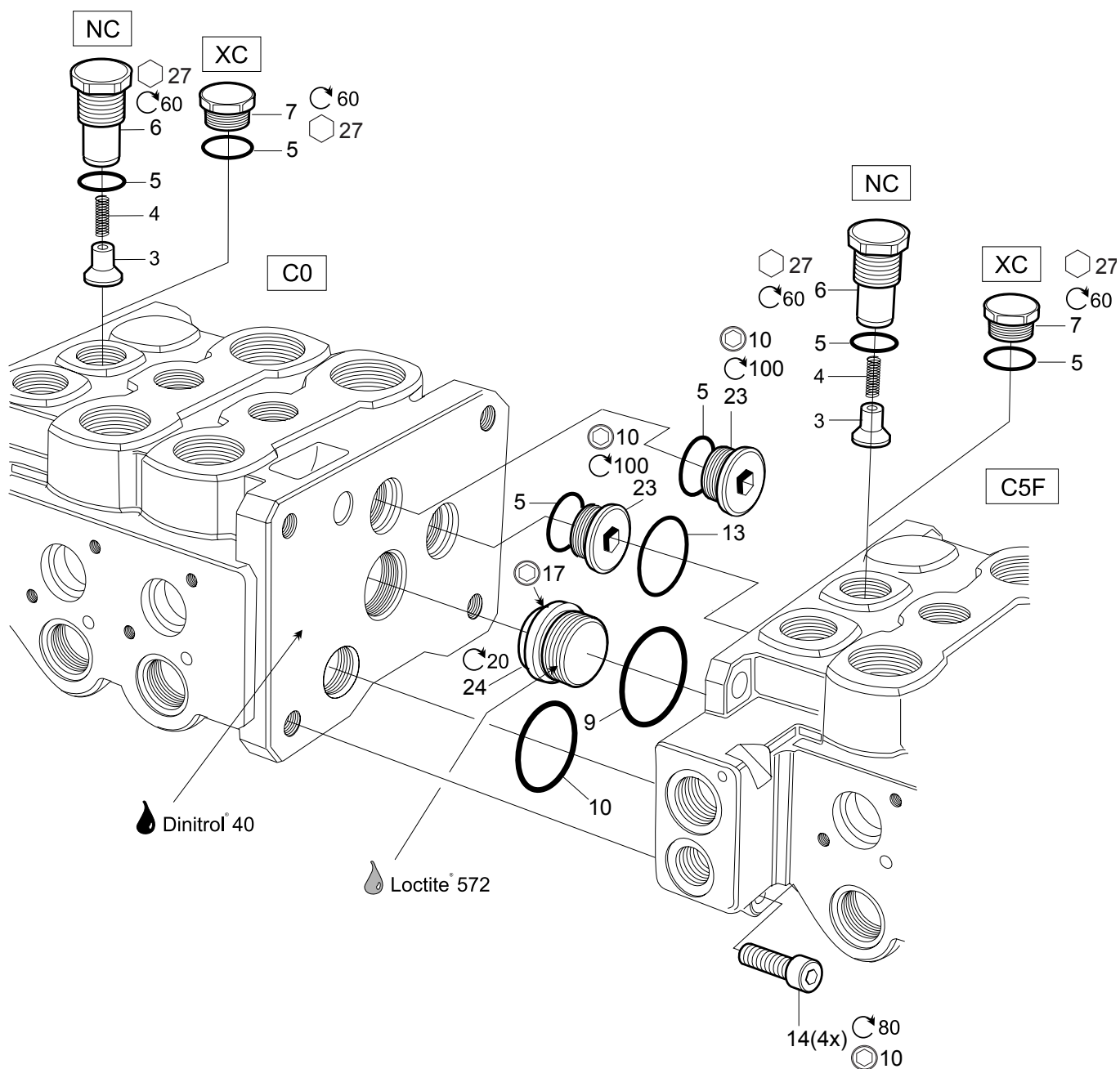
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
NC	06	9120091015	Check valve NC	3 [4], 5, 6
XC	06	9120099930	Cavity plugged, XC	5, 7
C1F	05	9120091016	Adapter C1F, BSP	8 [11, 12]
C1F	05	9120091054	Adapter C1F, UNF	8 [11, 12]
C1F	05	9120091017	Assembly kit C1F, BSP	2, 9, 10, 13, 14(4x), 23 [5](2x)
C1F	05	9120091053	Assembly kit C1F, UNF	2, 9, 10, 13, 14(4x), 23 [5](2x)
C3F	05	9120091019	Adapter C3F, BSP	8 [11, 12], 15 [16]
C3F	05	9120091056	Adapter C3F, UNF	8 [11, 12], 15 [16]
C3F	05	9120091020	Assembly kit C3F, BSP/UNF	9, 10, 13, 14(4x), 23 [5](2x)
C1F, C3F	05	398000K061	Plug BSP 1/2" (O-ring)	23 [5]
C1F, C3F	05	9120091018	Seal kit C1F, C3F	5(2x), 9, 10, 11, 12, 13
C1F	05	-	Plug VSTI3/4EDCF, BSP	2
C1F	05	-	Plug 12HP5ON-S, UNF	2
C1F	05	-	Plug VSTI27x2EDCF, Metric	2

C2F, C4F, C2R, C4R parallel connection, single-, multi-pump drive



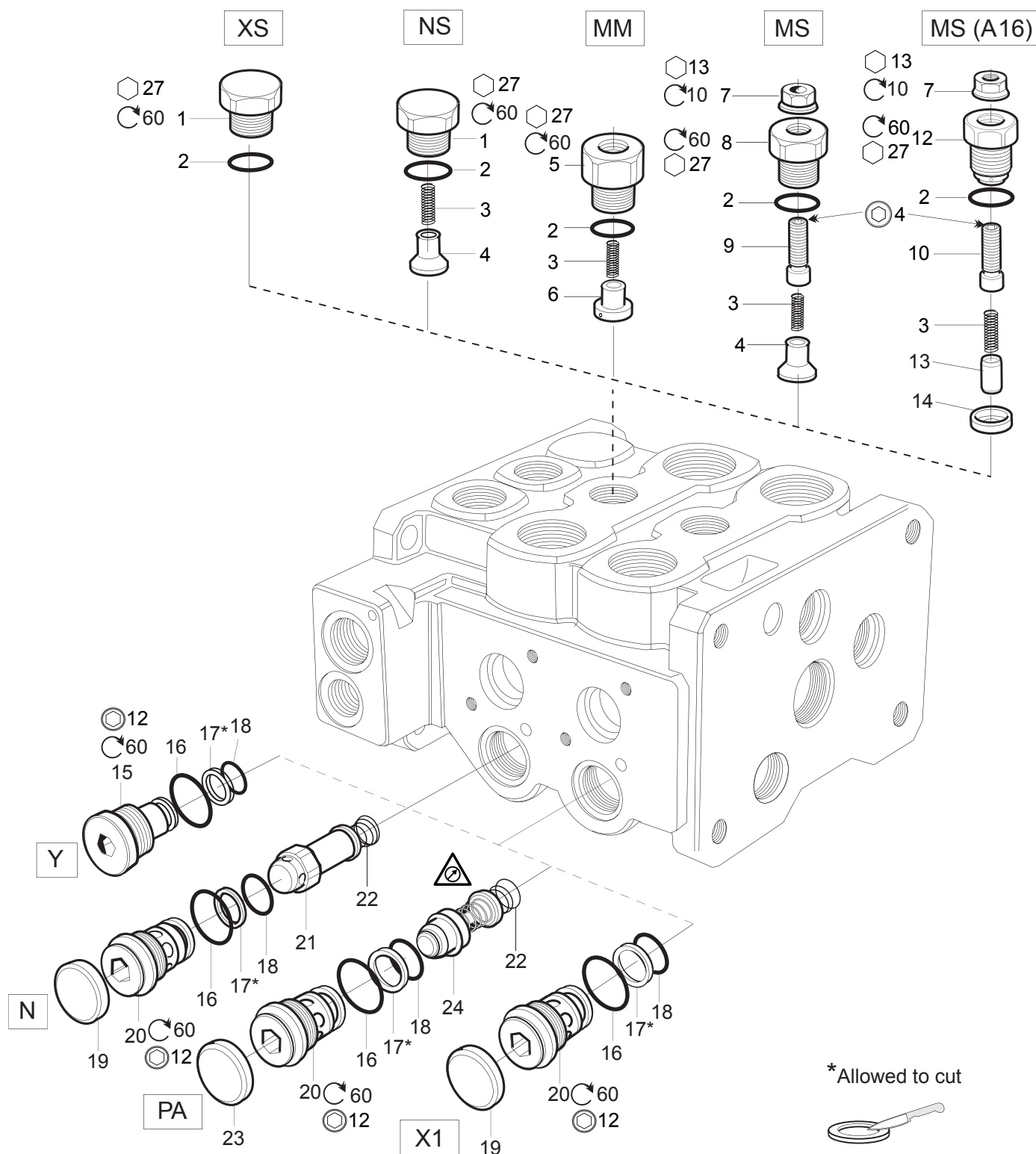
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
NC	06	9120091015	Check valve, NC	3 [4], 5, 6
XC	06	9120099930	Cavity plugged, XC	5, 7
C2F	05	9120091016	Adapter C2F, BSP	8 [11, 12]
C2F	05	9120091054	Adapter C2F, UNF	8 [11, 12]
C2F	05	9120091088	Assembly kit C2F, BSP	2, 9, 10, 13, 14(4x), 17, 23 [5]
C2F	05	9120091089	Assembly kit C2F, UNF	2, 9, 10, 13, 14(4x), 17, 23 [5]
C4F	05	9120091019	Adapter C4F, BSP	8 [11, 12], 15 [16]
C4F	05	9120091056	Adapter C4F, UNF	8 [11, 12], 15 [16]
C4F	05	9120091098	Assembly kit C4F, BSP/UNF	9, 10, 13, 14(4x), 17, 23 [5]
C2F, C4F	05	398000K061	Plug BSP 1/2" (O-ring)	23 [5]
C2F, C4F	05	9120091100	Seal kit C2F, C4F	5, 9, 10, 11, 12, 13, 17
C2F	05	-	Plug VSTI3/4EDCF, BSP	2
C2F	05	-	Plug 12HP5ON-S, UNF	2
C2F	05	-	Plug VSTI27x2EDCF, Metric	2
C2R, C4R	05	6760838	Kit nipple C2R/C4R, BSP	5, 19
C2R, C4R	05	6760839	Kit nipple C2R/C4R, UNF	5, 19
C2R, C4R	05	-	Plug VSTI1/2EDCF	18

C0, C5F inlet block, separate systems multi-pump drive



See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
NC	06	9120091015	Check valve, NC	3 [4], 5, 6
XC	06	9120099930	Cavity plugged, XC	5, 7
C5F	05	9120091021	Assembly kit C5F, BSP	9, 10, 13, 14(4x), 23 [5](2x), 24
C5F	05	9120091067	Assembly kit C5F, UNF	9, 10, 13, 14(4x), 23 [5](2x), 24
C5F	05	398000K061	Plug BSP 1/2" (O-ring)	23 [5]
C0, C5F	05	9120091022	Seal kit C0, C5F	5(2x), 9, 10, 13

XS, N, MM, MS, Y, NS, PA, X1, A10, A13, A16, A19

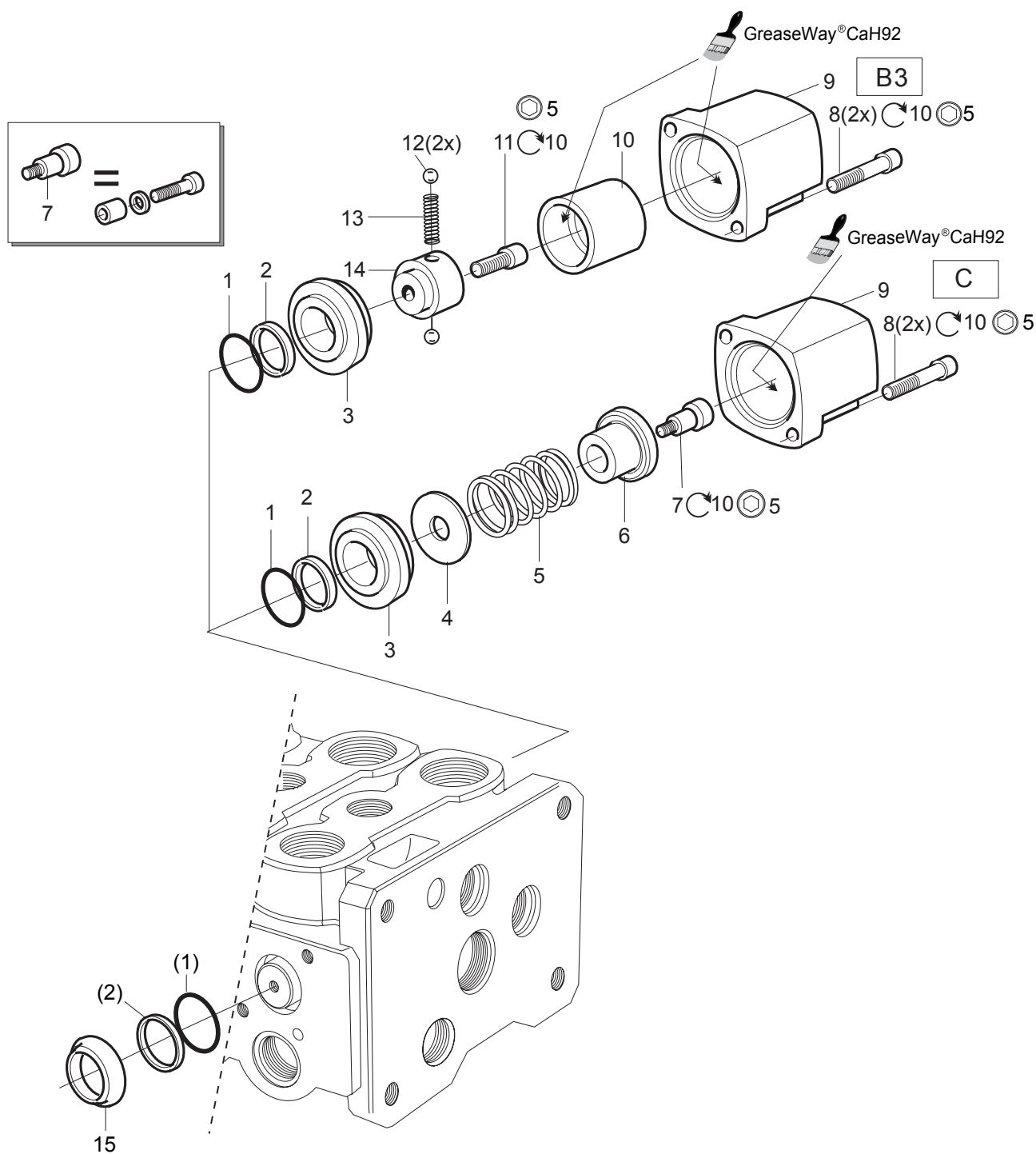


See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
XS	36	9120099930	Cavity plugged, XS	1, 2
NS	36	9120099611	Supply check valve, NS	1 [2, 3, 4]
NS	36	6760961	Spring kit supply check valve	2, 3
MM	36	9120099656	Supply check valve MM, BSP	5 [2, 3, 6]
MM	36	9120091086	Supply check valve MM, UNF	5 [2, 3, 6]
MS	36	9120099657	Supply check valve, adjustable, MS	8 [2, 3, 4, 7, 9]
A16	37	9120099992	Supply check valve, adjustable, A16	12 [2, 3, 7, 10, 13, 14]
Y	40, 44	9120091024	Port relief cavity plugged, Y	15 [16, 17, 18]
N	40, 44	9120091025	Anti-cavitation check valve, N	19, 20 [16, 17, 18], 21, 22
X1, PA	40, 44	9120091023	Port relief cavity covered/Plug for PA	19, 20 [16, 17, 18]
PA, N, X1, Y	40, 44	9120091030	Seal kit PA, N, X1, Y	16, 17, 18
PA, N	40, 44	6763151	Spring kit PA, N	22

See Customer Specification						
Code	Pos	Part # Std	Part # A10* (60 l/min)	Part # A19*	Description	Items
PA	40, 44	9120030004		9120030054	PLC183- 50-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030005		9120030055	PLC183- 63-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030042			PLC183- 70-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030006	9120029575	9120030056	PLC183- 80-20 (20/60 l/min)	22, 23, 24 
PA	40, 44	9120030007		9120030057	PLC183-100-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030008		9120030058	PLC183-125-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030009		9120030059	PLC183-140-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030010	9120029576	9120030060	PLC183-160-20 (20/60 l/min)	22, 23, 24 
PA	40, 44	9120030011	9120029577	9120030061	PLC183-175-20 (20/60 l/min)	22, 23, 24 
PA	40, 44	9120030012	9120029578	9120030062	PLC183-190-20 (20/60 l/min)	22, 23, 24 
PA	40, 44	9120030013	9120029579	9120030063	PLC183-210-20 (20/60 l/min)	22, 23, 24 
PA	40, 44	9120030014	9120029580	9120030064	PLC183-230-20 (20/60 l/min)	22, 23, 24 
PA	40, 44	9120030015	9120029581	9120030065	PLC183-250-20 (20/60 l/min)	22, 23, 24 
PA	40, 44	9120030023		9120030073	PLC183-260-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030016	9120029582	9120030066	PLC183-280-20 (20/60 l/min)	22, 23, 24 
PA	40, 44	9120030017		9120030067	PLC183-300-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030026		6763159	PLC183-320-20 (20 l/min)	22, 23, 24 
PA	40, 44	9120030018		9120030068	PLC183-330-20 (20 l/min)	22, 23, 24 
A13	40, 44	9120029583			PLC183-350-20 (20 l/min)	22, 23, 24 
A13	40, 44	9120029584			PLC183-380-20 (20 l/min)	22, 23, 24 
A13	40, 44	9120029585			PLC183-400-20 (20 l/min)	22, 23, 24 
A13	40, 44	9120029586			PLC183-420-20 (20 l/min)	22, 23, 24 

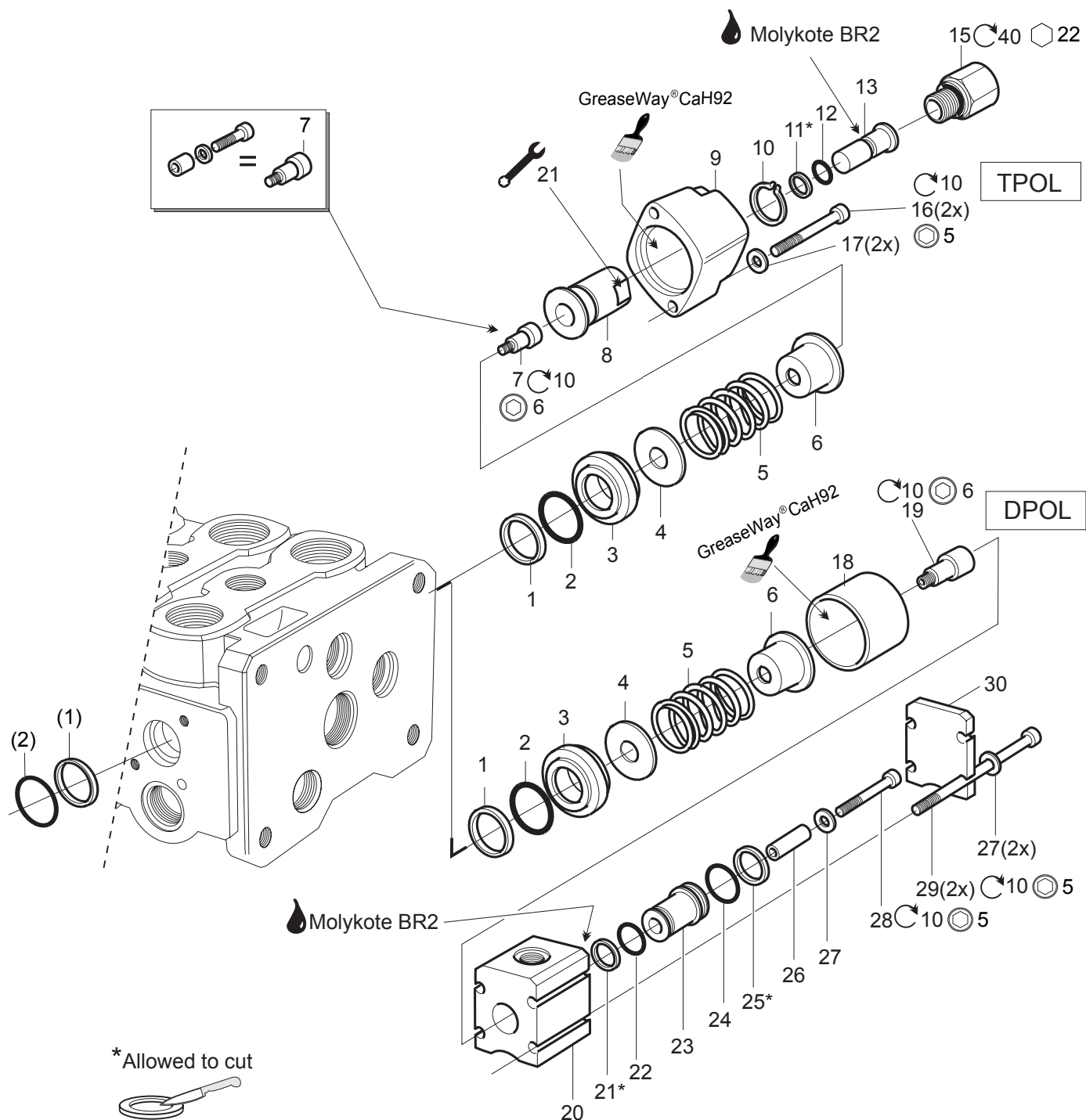
* Variant A10, A19: pos. 43, 47 in Customer Specification.

C, B3



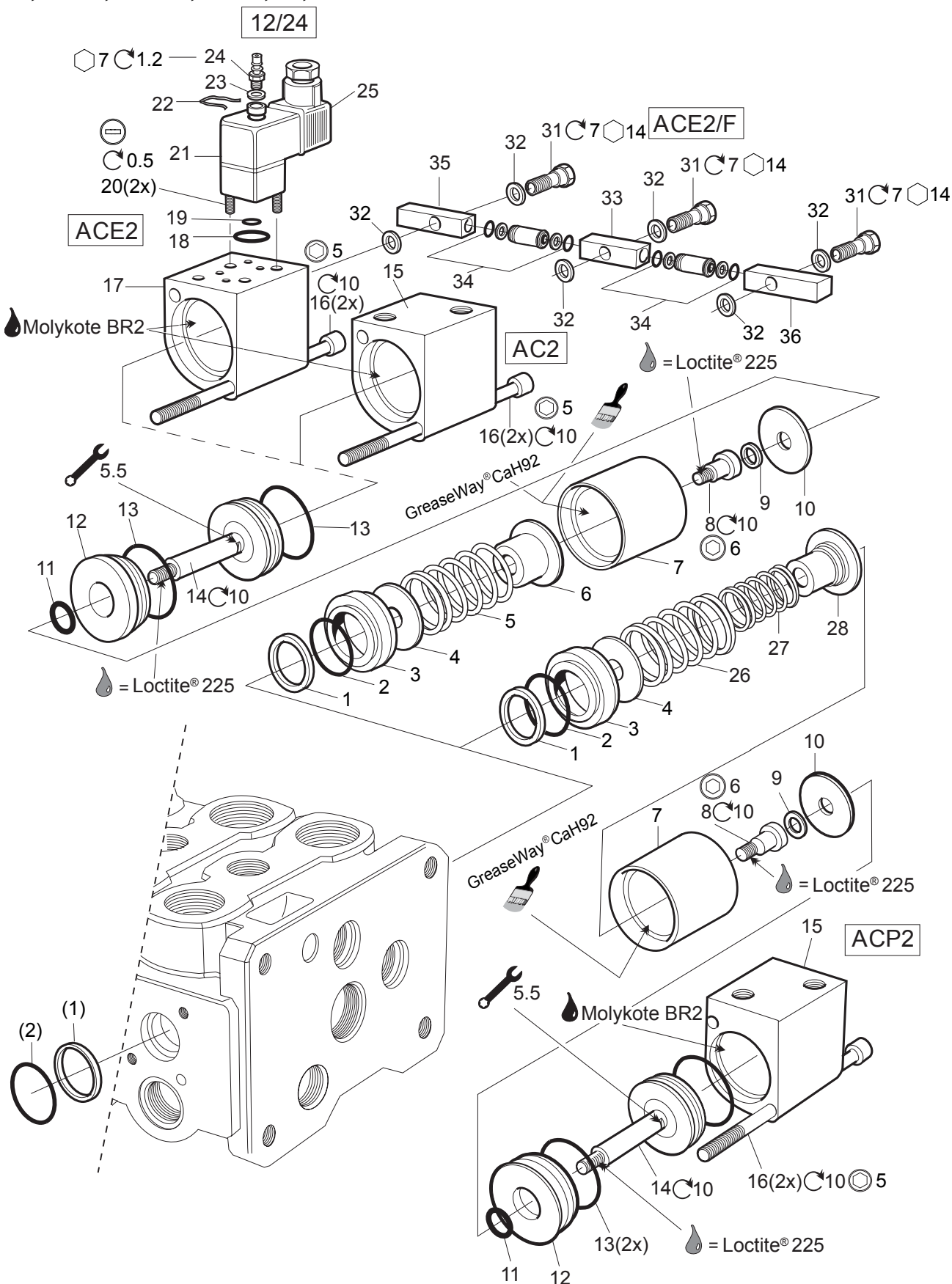
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
C	33	9120091026	Spool actuator C	2 [1](2x), 3, 4, 5, 6, 7, 8(2x), 9
B3	33	9120091032	Spool actuator B3	2 [1](2x), 3, 8(2x), 9, 10, 11, 12(2x), 13, 14
C, B3	33	9120099906	Spool seal kit C, B3	2 [1](2x), 15
C, B3	33	9120099953	Spool Ø20 seal kit	2 [1](2x)

TPOL, DPOL



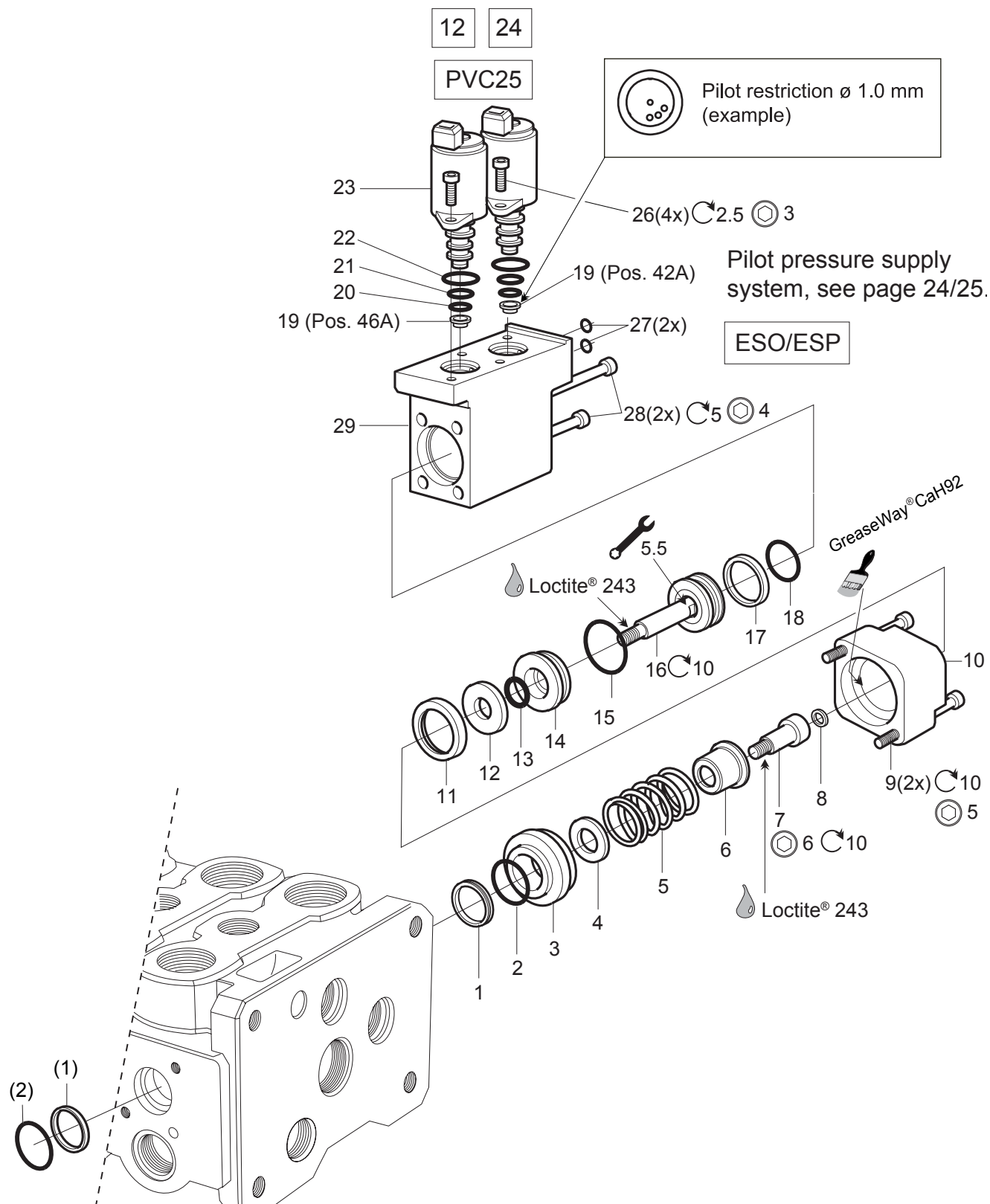
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
TPOL	33	9120091042	Spool actuator, TPOL	1 [2](2x), 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16(2x), 17(2x)
TPOL	33	9120091068	Cap kit, TPOL	3, 9, 16(2x), 17(2x)
TPOL	33	9120091069	Spring kit, TPOL	4, 5, 6, 7
TPOL	33	9120091070	Cylinder kit, TPOL	8, 10, 11, 12, 13, 15
C - TPOL	33	9120091041	Conversion kit, spool act. C to TPOL	8, 9, 10, 11, 12, 13, 15, 16(2x), 17(2x)
DPOL	33	9120091047	Spool actuator, DPOL	1 [2], 3, 4, 5, 6, 18, 19, 20 [21*, 22, 23, 24, 25*], 26, 27(3x), 28, 29(2x), 30
DPOL	33	9120091071	Cap kit, DPOL	3, 18, 27(2x), 29(2x)
DPOL	33	9120091072	Spring kit, DPOL	4, 5, 6, 19, 26, 27, 28
DPOL	33	9120091073	Cylinder kit, DPOL	20, 30
DPOL	33	9120099940	Piston kit, DPOL	21, 22, 23, 24, 25
DPOL	33	9120091074	Seal kit, DPOL	21, 22, 24, 25
TPOL	33	-	Reducer RI3/8EDX1/4A3C	15
DPOL, TPOL	33	9120099953	Spool Ø20 seal kit	1 [2](2x)

AC2, ACE2, ACE2F, ACP2, 12, 24



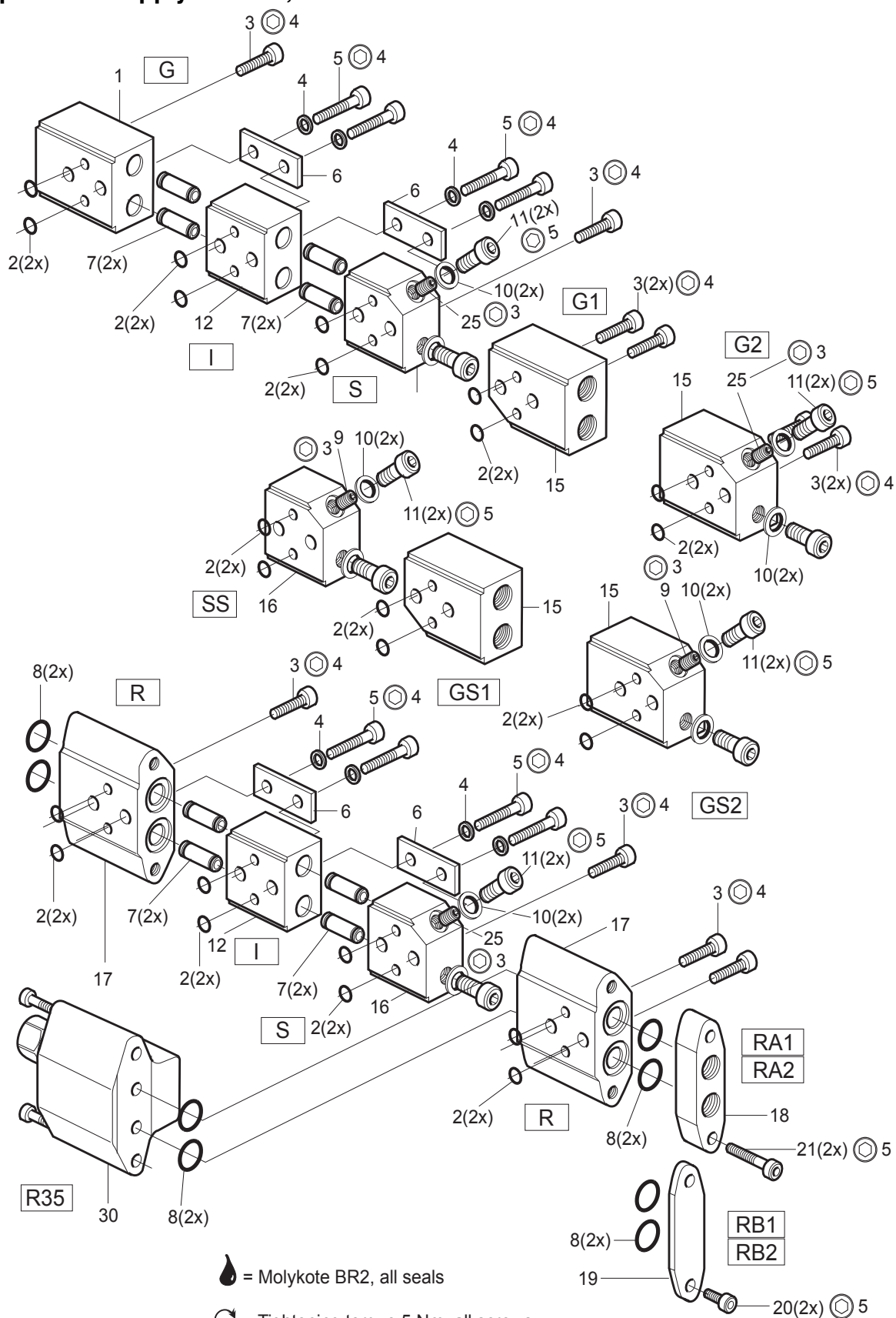
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
AC2, ACE2, ACE2F	33	9120091034	Spring kit, AC2, ACE2, ACE2F	1 [2](2x), 3, 4, 5, 6, 7, 8, 9, 10
ACP2	33	9120091035	Spring kit, ACP2	1 [2](2x), 3, 4, 7, 8, 9, 10, 26, 27, 28
AC2, ACP2	33	9120091036	Cylinder kit, AC2, ACP2, BSP	11, 12, 13(2x), 14, 15, 16(2x)
AC2, ACP2	33	9120091037	Cylinder kit, AC2, ACP2, UNF	11, 12, 13(2x), 14, 15, 16(2x)
ACE2	33	9120091038	Cylinder kit, ACE2, BSP	11, 12, 13(2x), 14, 16(2x), 17
ACE2	33	9120091039	Cylinder kit, ACE2, UNF	11, 12, 13(2x), 14, 16(2x), 17
AC, ACE*, ACP2	33	9120091040	Seal kit, AC2, ACE2, ACE2F, ACP2	1 [2](2x), 11, 13(2x)
ACE2F	33	9120059145	Pilot supply, inlet BSP	31, 32(2x), 34, 35
ACE2F	33	9120059146	Pilot supply, inlet UNF	31, 32(2x), 34, 35
ACE2F	33	9120059147	Pilot supply, intermediate piece	31, 32(2x), 33, 34
ACE2F	33	9120039072	Pilot supply, end piece	31, 32(2x), 36
ACE2F	33	9120059182	Pilot supply, connection piece	34
ACE2 + 12	33 + 34	9123958812	Solenoid valve, 12 VDC	20(2x), 21, 23, 24, 25
ACE2 + 24	33 + 34	9123958824	Solenoid valve, 24 VDC	20(2x), 21, 23, 24, 25
ACE2	33	9120099913	Spare parts kit for 1 solenoid valve	18, 19, 20(2x), 22, 23, 24, 25
AC2, ACE*, ACP2	33	9120099953	Spool Ø20 seal kit	1 [2](2x)

ESO, ESP, PVC25, 12, 24



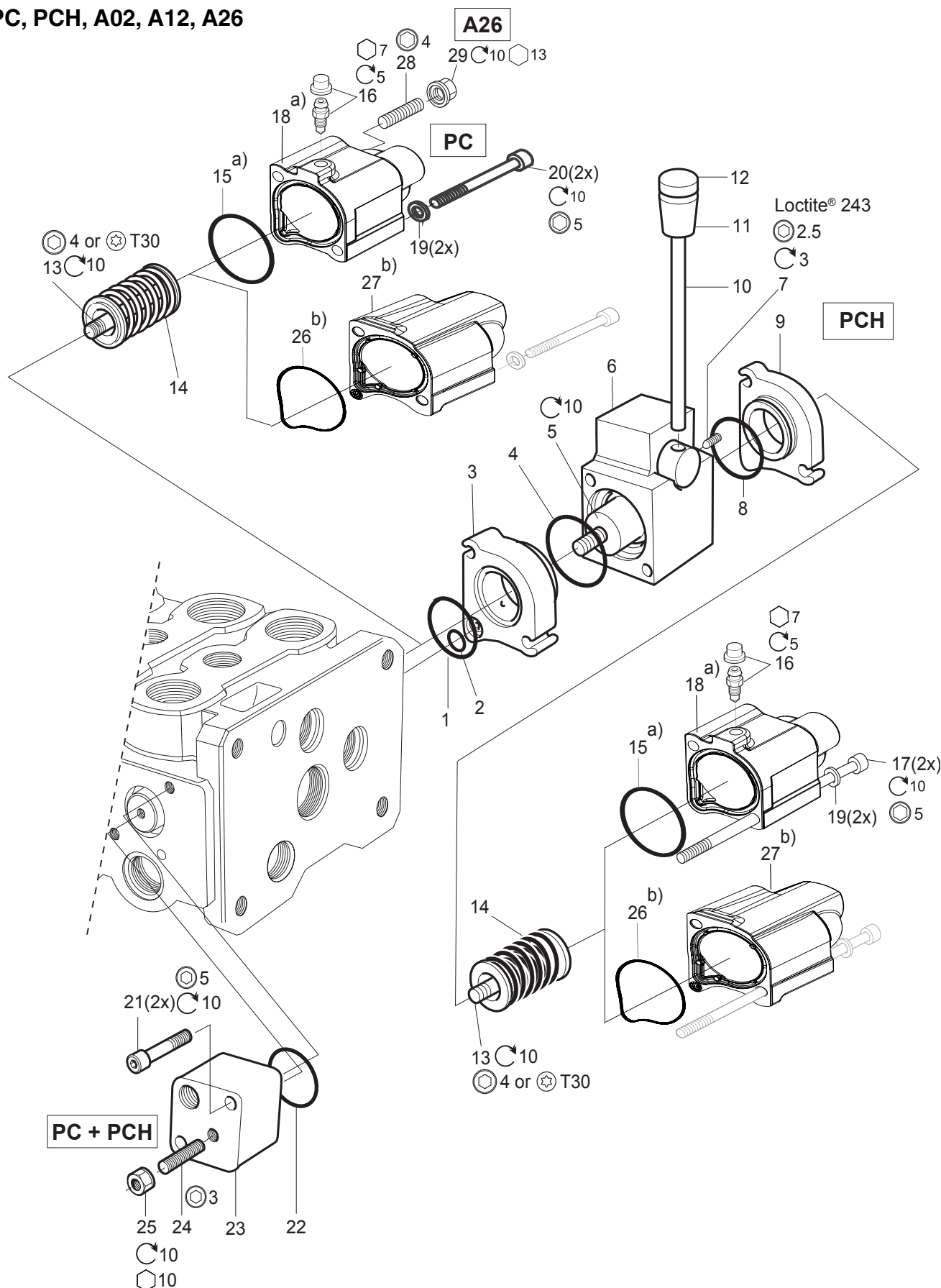
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
ESO, ESP	33	9120091057	Spool actuator ESO, ESP, excluding solenoids	1 [2](2x), 3, 4, 5, 6, 7, 8, 9(2x), 10, 11, 12, 13, 14, 15, 16, 17, 18, 26(4x), 27(2x), 28(2x), 29
ESO, ESP	33	9120091058	Cylinder kit spool actuator ESO, ESP	11, 12, 13, 14, 15, 26(4x), 27(2x), 28(2x), 29
ESO, ESP	33	9120091059	Spring kit spool actuator ESO, ESP	1 [2](2x), 3, 4, 5, 6, 7, 8, 9(2x), 10
ESO, ESP	33	9120091060	Piston kit spool actuator ESO, ESP	16, 17, 18
ESO, ESP	33	9120091061	Seal kit spool actuator ESO, ESP	1 [2](2x), 13, 15, 17, 18, 27(2x)
ESO, ESP + 12	33 + 34	393000M012	PVC25 solenoid valve, 12 VDC	23, 26(2x) With man. overr. air-bleed. AMP
ESO, ESP + 24	33 + 34	393000M024	PVC25 solenoid valve, 24 VDC	23, 26(2x) With man. overr. air-bleed. AMP
ESO, ESP	33	393000K813	Seal kit PVC25	20, 21, 22
ESO, ESP	33	9120099953	Spool Ø20 seal kit	1 [2](2x)
/	42A, 46A	6760091	Pilot restriction ø3.0	19(5x) (Supplied encl. with solenoid)
2,0	42A, 46A	6760090	Pilot restriction ø2.0, marking 9 spots	19(5x) (earlier colour marked black)
1,4	42A, 46A	6760088	Pilot restriction ø1.4, marking 7 spots	19(5x) (earlier colour marked green/white)
1,3	42A, 46A	6760087	Pilot restriction ø1.3, marking 6 spots	19(5x) (earlier colour marked orange)
1,2	42A, 46A	6760086	Pilot restriction ø1.2, marking 5 spots	19(5x) (earlier colour marked yellow)
1,1	42A, 46A	6760085	Pilot restriction ø1.1, marking 4 spots	19(5x) (earlier colour marked red)
1,0	42A, 46A	6760084	Pilot restriction ø1.0, marking 3 spots	19(5x) (earlier colour marked green)
0,9	42A, 46A	6760083	Pilot restriction ø0.9, marking 10 spots	19(5x) (earlier colour marked red/white)
0,8	42A, 46A	6760082	Pilot restriction ø0.8, marking 2 spots	19(5x) (earlier colour marked white)
0,7	42A, 46A	6760081	Pilot restriction ø0.7, marking 12 spots	19(5x) (earlier colour marked black/red)
0,6	42A, 46A	6760080	Pilot restriction ø0.6, marking 1 spot	19(5x) (earlier colour marked brown)

Pilot pressure supply for ESO, ESP



See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
G1, G2	48	9120039054	Pilot supply G1, G2, inlet 1 section, BSP	2(2x), 3(2x), 10(2x), 11(2x), 15, 25
G1, G2	48	9120039055	Pilot supply G1, G2, inlet 1 section, UNF	2(2x), 3(2x), 10(2x), 11(2x), 15, 25
GS1, GS2	48	9120099724	Pilot supply with restrictor, inlet, BSP	2(2x), 3(2x), 9, 10(2x), 11(2x), 15
GS1, GS2	48	9120099725	Pilot supply with restrictor, inlet, UNF	2(2x), 3(2x), 9, 10(2x), 11(2x), 15
G	49, 50	9120059129	Pilot supply G, inlet >1 section, BSP	1, 2(2x), 3, 4, 5, 6, 7(2x)
G	49, 50	9120059130	Pilot supply G, inlet >1 section, UNF	1, 2(2x), 3, 4, 5, 6, 7(2x)
I	-	9120059131	intermediate block	2(2x), 4(2x), 5(2x), 6, 7(2x), 12
S	49, 50	9120039059	End piece	2(2x), 3, 4, 5, 10(2x), 11(2x), 16, 25
SS	49, 50	9120099726	End piece with restrictor	2(2x), 3, 4, 5, 9, 10(2x), 11(2x), 16
G	49, 50	9120059182	Connection tubes	7(2x)
RB1, RB2	48	9120099650	End cover	2(2x), 3(2x), 8(2x), 17, 19, 20(2x)
RA1, RA2	48	9120099648	Pilot supply inlet, BSP	2(2x), 3(2x), 8(4x), 17, 18, 21(2x)
RA1, RA2	48	9120099649	Pilot supply inlet, UNF	2(2x), 3(2x), 8(4x), 17, 18, 21(2x)
R	49, 50	9120059185	Pilot supply, inlet for reducer valve	2(2x), 3, 4, 5, 6, 7(2x), 17
R35	51	8234930264	Pilot supply reducer 35 bar, BSP	30
R35	51	8234930280	Pilot supply reducer 35 bar, UNF	30
R35	51	6761013	Seal kit O-ring	8 (10x)
R35	51	9128328050	Kit with spool, spring and sealings	Not shown

PC, PCH, A02, A12, A26

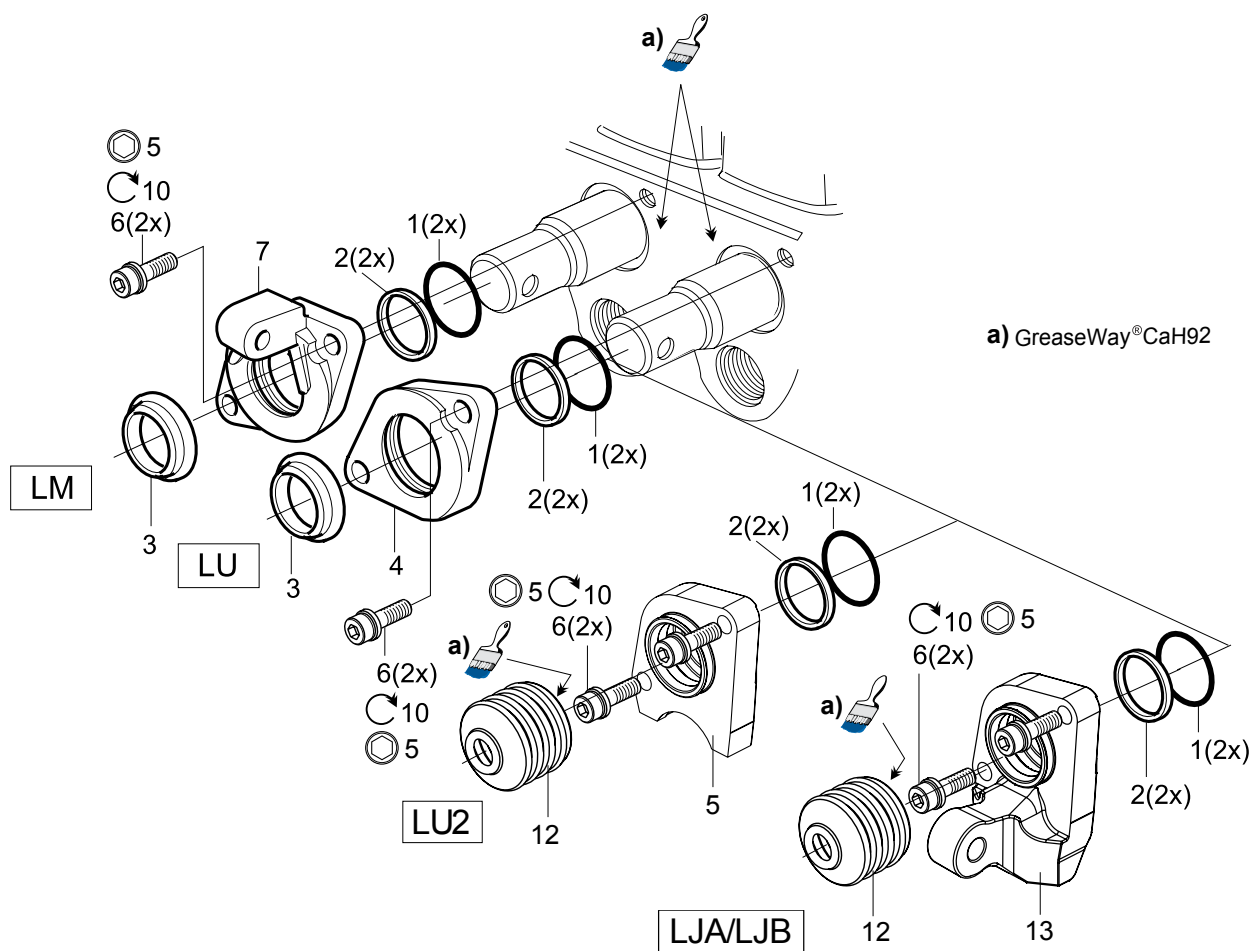
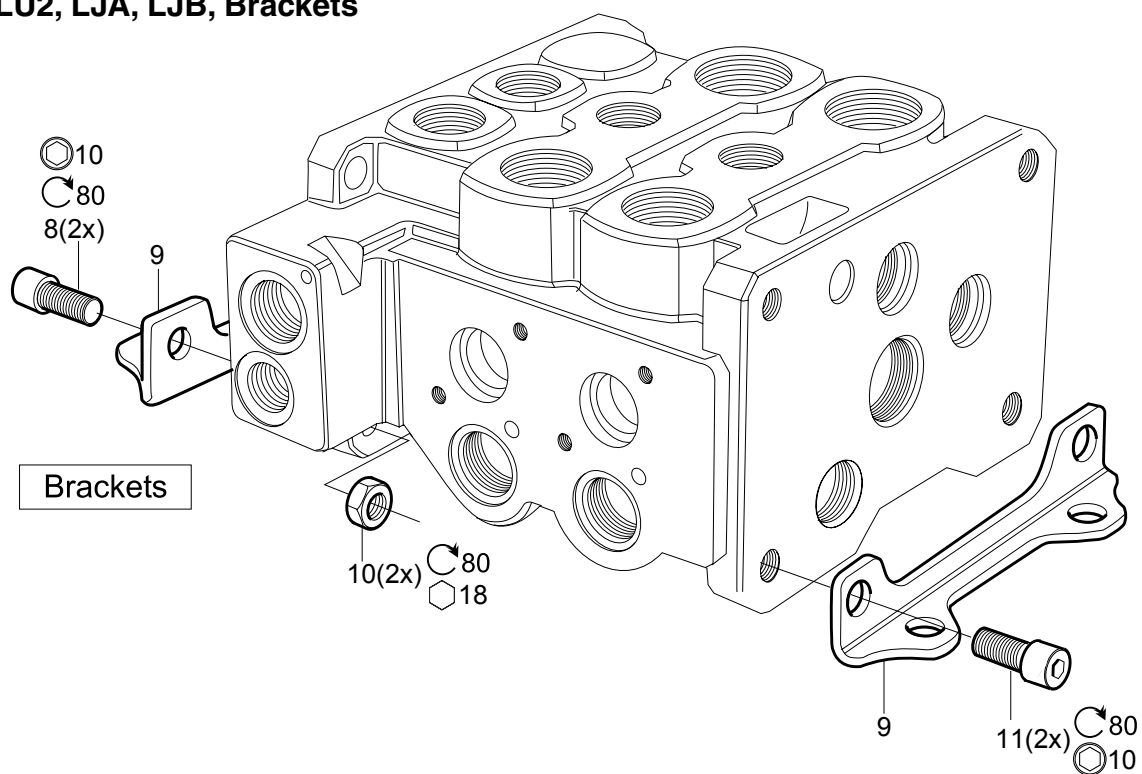


See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
PC, PCH	33	9120091013	Cap kit PC, PCH, A + B side, BSP without stroke limiter	19(2x), 20(2x), 21(2x), 22, 23, 24, 25, 26, 27
A26	07	9120091085	Cap kit PC, A + B side, BSP with stroke limiter	19(2x), 20(2x), 21(2x), 22, 23, 24, 25, 26, 27, 28, 29
PC, PCH	33	9120091014	Cap kit PC, A + B side, UNF without stroke limiter	19(2x), 20(2x), 21(2x), 22, 23, 24, 25, 26, 27
PC, PCH	33	9120092285	Air bleeding screw	16(2x) (For old cap PC, PCH, pos. 18 a))
PC, PCH	33	9120091050	Cap kit PC, A + B side, Metric without stroke limiter	19(2x), 20(2x), 21(2x), 22, 23, 24, 25, 26, 27
PC, PCH	33	9120091027	Spring kit std, (6.5 - 20) bar	13 [14]
A02	33	9120091033	Spring kit A02, (13 - 23) bar	13 [14]
A12	33	9120091052	Spring kit A12, (6.5 - 26) bar	13 [14]
PCH	33	9120092045	Lever housing kit PCH	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 17(2x), 19(2x)
PCH	33	6760546	Handle window	12(6x)
PCH	33	6760950	Handle window with knob	11, 12
PCH	33	9120092046	Seal kit PCH	1, 2, 4, 8, 15, 26
PC	33	9120091028	Seal kit PC	15, 22, 25, 26

a) For old spring cap, up to serial no. 1002...

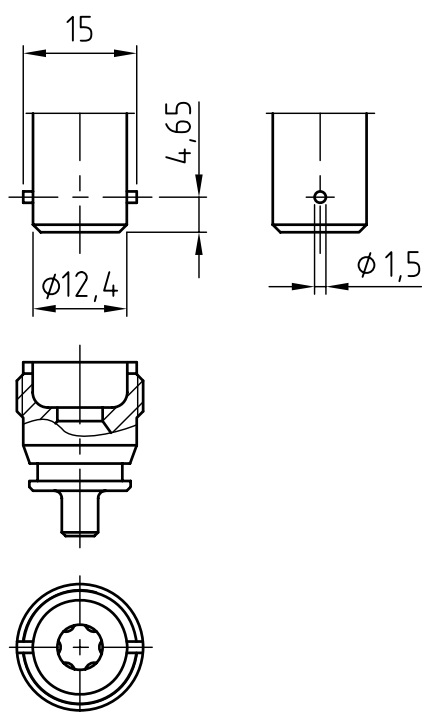
b) For new spring cap, from serial no. 1003...

LM, LU, LU2, LJA, LJB, Brackets

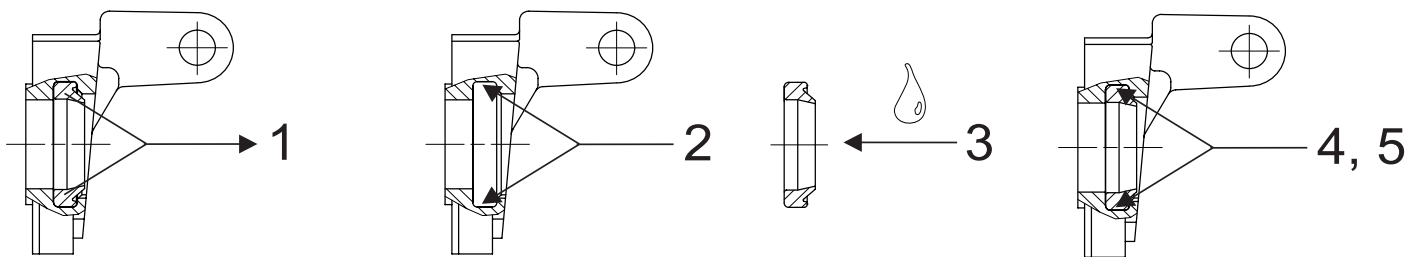


See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
LM	35	9120099904	Lever holder LM	2 [1], 6(2x), 7 [3]
LU	35	9120099905	Cover LU	2 [1], 4 [3], 6(2x)
LM, LU	35	9120099906	Spool seal kit, LM, LU	2 [1](2x), 3
LM, LU	35	6763300	Scraper kit	3 (20x)
LU2	35	301000K837	Lever bracket LU2	2 [1], 5 [12], 6(2x)
LJA, LJB	35	301000K865	Lever bracket LJA, LJB	2 [1], 6(2x), 13 [12]
LU2, LJA, LJB	35	301000K864	Spool seal kit, LU2, LJA, LJB	2 [1](2x), 12
LU2, LJA, LJB	35	398000K807	Boot kit	12(6x)
LM, LU, LU2, LJA, LJB	35	9120099953	Spool Ø20 seal kit	2 [1](2x)
-		9120091029	Bracket kit	8(2x), 9(2x), 10(2x), 11(2x)

Symbol	Description
	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. 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 . 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.
	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. Always contact the manufacturer's service organisation before servicing items marked with .

Tool for seat PS/PB

Removal and mounting of scraper ring.



1. Remove carefully the old scraper ring (not spring loaded) to avoid damaging of the lever bracket. Use as tool a screwdriver, a nippers or a small hook.
2. Clear scraper ring groove and make sure there are no color or paint flakes remaining in the track.
3. The scraper ring with associated surfaces in the lever bracket must be oiled.
4. Push the new scraper ring in the lever brackets track.
5. Verify that the scraper ring has not been damaged during assembly, that the edges are still full.

[illegible]

[illegible]

[illegible]

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