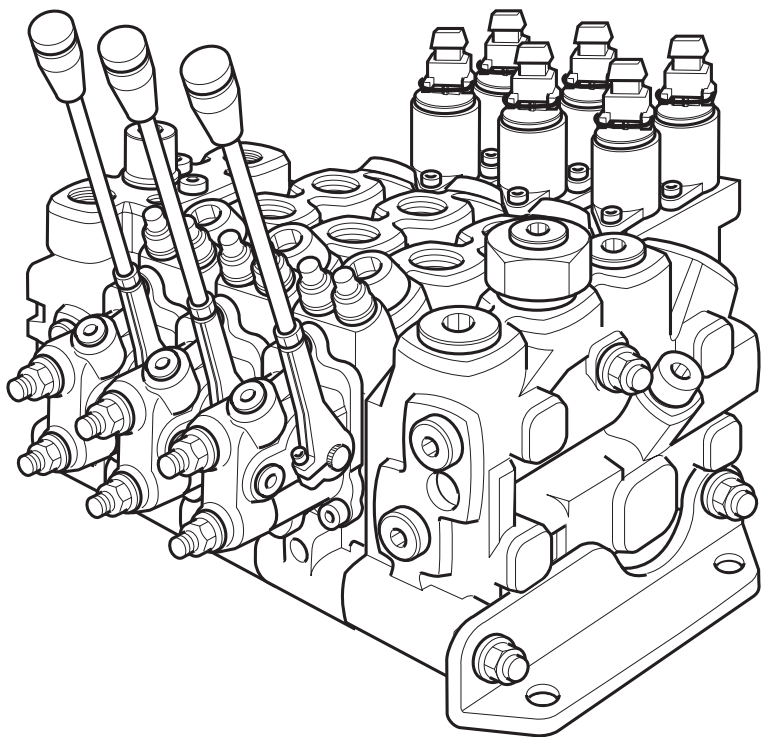


Spare Parts List

Series L90LS

Publ. No 9129 8561-09
October, 1998, Edition 06



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Spool actuators ACE, ACP, C, B3, lever holder etc.	6 - 7	02
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Outlet options R, S, YS, MF etc.	24 - 25	02
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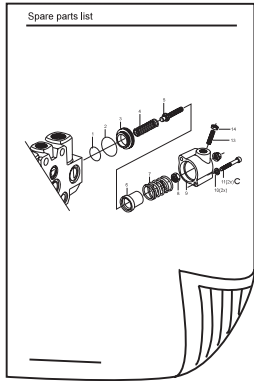
* New edition
** New Page

Conversion table

1 bar = 14.5 lb(f) - in² (125 bar = 1812 lb(f) - in²)
1 Nm = 8.8508 lb(f) - in (60 Nm = 531 lb(f) - in)
1 Nm = 0.7376 lb(f) - ft (60 Nm = 44.25 lb(f) - ft)
1 mm = 0.03937 in (17.3 mm = 0.68 in)

VOAC Hydraulics reserves the right to modify products without prior notice. Even though the company's brochures are revised and updated continuously, there is always the possibility of errors. For more detailed product information, please contact VOAC Hydraulics.

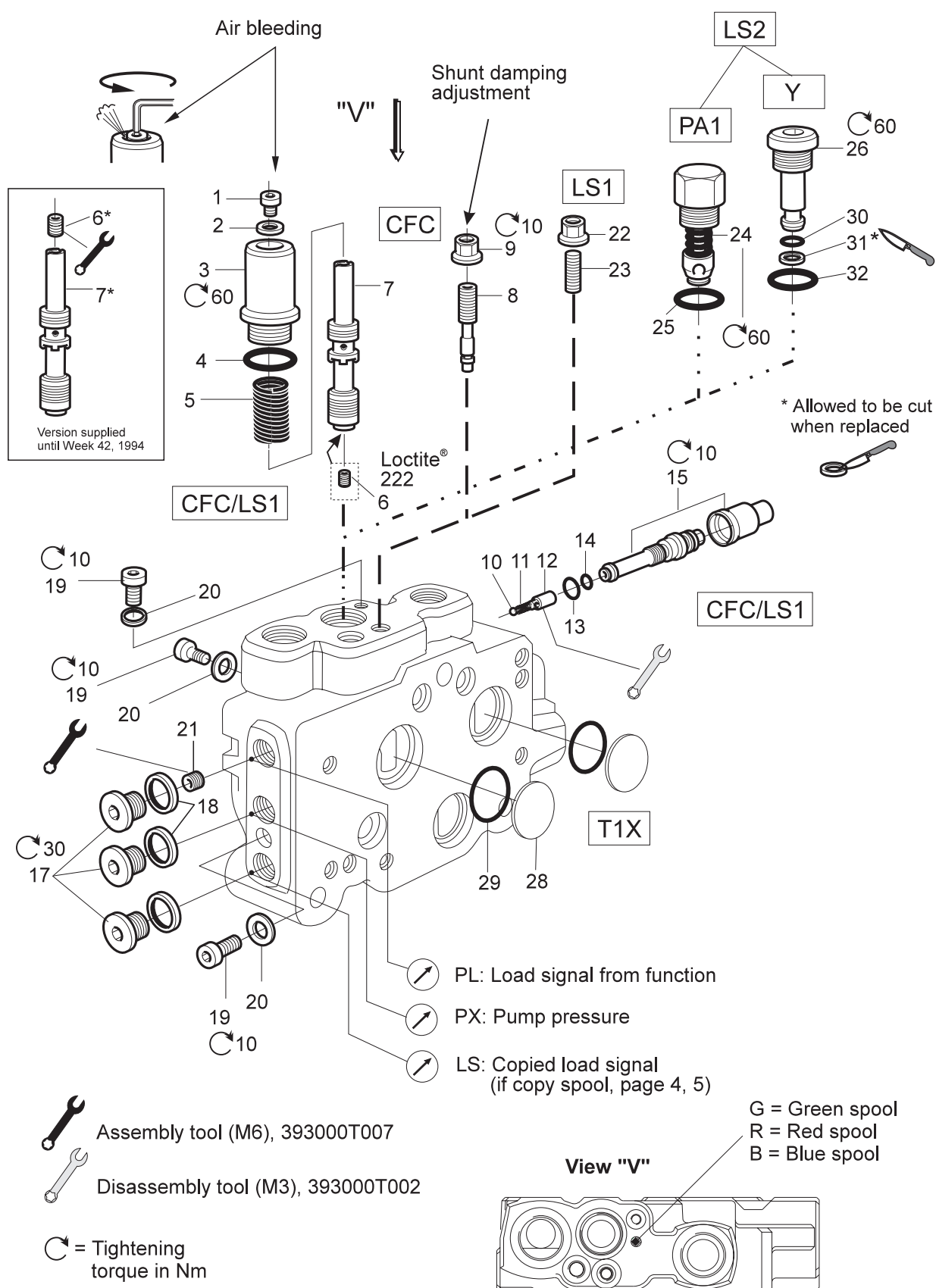
Note!
Description,
Part numbers
Overleaf!



Spare Parts List

Series L90LS

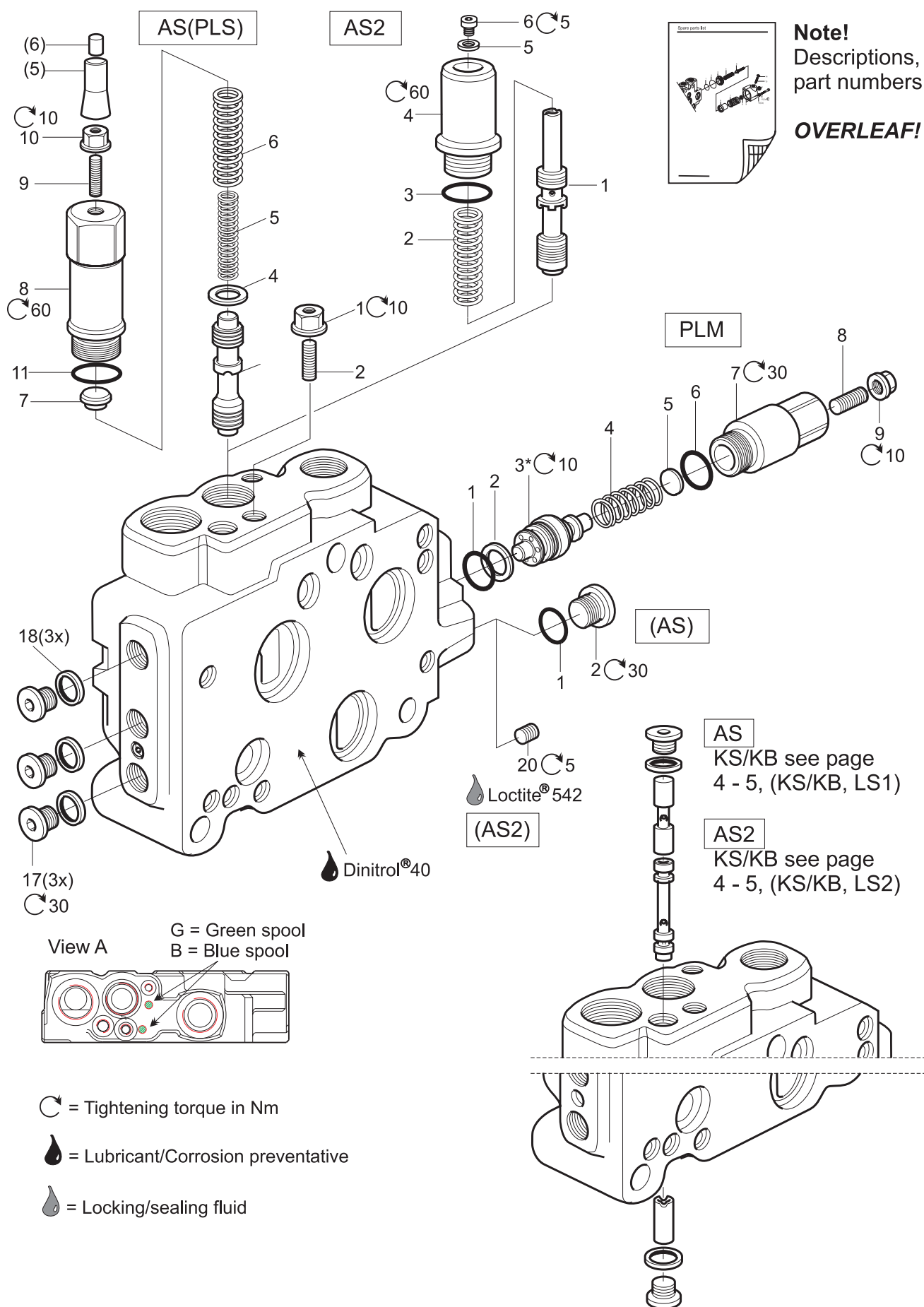
Code	Part #	Description	Remarks
PS/CFC	393000K245	Main relief valve, size Blue	Items 3(1, 2, 4), 5, 6, 7, 8, 9, 10, 11, 12,
PS/CFC	393000K445	Main relief valve, size Green	15(13, 14), 16, 27
PS/CFC	393000K645	Main relief valve, size Red	
-	0190 1167	Screw, M4	Item 6, MV=1.5 Nm
-	0190 1241	Screw, M6	Item 6*, MV= 5 Nm
PS/LS1	393000K246	Main relief valve, size Blue	Items 3(1, 2, 4), 5, 6, 7, 15(13, 14), 22, 23
PS/LS1	393000K446	Main relief valve, size Green	
PS/LS1	393000K646	Main relief valve, size Red	
-	9128377710	Restrictor, M4	Item 6, MV=1.5 Nm
-	9127197109	Restrictor, M6	Item 6*, MV=5 Nm
-	393000K801	Seal kit PS, LS1/LS2	Items 2, 4, 9, 13, 14, 16, 20(3x)
PA1/LS2	393000K203	Main relief valve, 63 bar	Items 24 (25)
PA1/LS2	393000K204	Main relief valve, 80 bar	Items 24 (25)
PA1/LS2	393000K205	Main relief valve, 100 bar	Items 24 (25)
PA1/LS2	393000K206	Main relief valve, 125 bar	Items 24 (25)
PA1/LS2	393000K207	Main relief valve, 140 bar	Items 24 (25)
PA1/LS2	393000K022	Main relief valve, 160 bar	Items 24 (25)
PA1/LS2	393000K023	Main relief valve, 175 bar	Items 24 (25)
PA1/LS2	393000K024	Main relief valve, 190 bar	Items 24 (25)
PA1/LS2	393000K025	Main relief valve, 210 bar	Items 24 (25)
PA1/LS2	393000K026	Main relief valve, 230 bar	Items 24 (25)
PA1/LS2	393000K027	Main relief valve, 250 bar	Items 24 (25)
PA1/LS2	393000K028	Main relief valve, 280 bar	Items 24 (25)
PA1/LS2	393000K029	Main relief valve, 300 bar	Items 24 (25)
PA1/LS2	393000K030	Main relief valve, 330 bar	Items 24 (25), A011
PA1/LS2	393000K032	Main relief valve, 260 bar	Items 24 (25)
PA1/LS2	393000K031	Main relief valve, 350 bar	Items 24 (25), A011
PA1/LS2	393000K033	Main relief valve, 240 bar	Items 24 (25)
PA1/LS2	393000K634	Main relief valve, 380 bar	Items 24 (25), A011
Y/LS2	393000K034	Main relief cavity plugged, Y	Items 26(30, 31, 32)
-	393000K804	Seal kit, Y-plug	Items 30, 31, 32
-	393000K802	Plug kit, "G", (BSP)	Items 17(3x), 18(3x)
-	393000K803	Plug kit, "U", (UNF)	Items 17(3x), 18(3x)
T1X	393000K253	T1 separated from spool sections	Items 28(2x), 29(2x)



Spare Parts List

Series L90LS

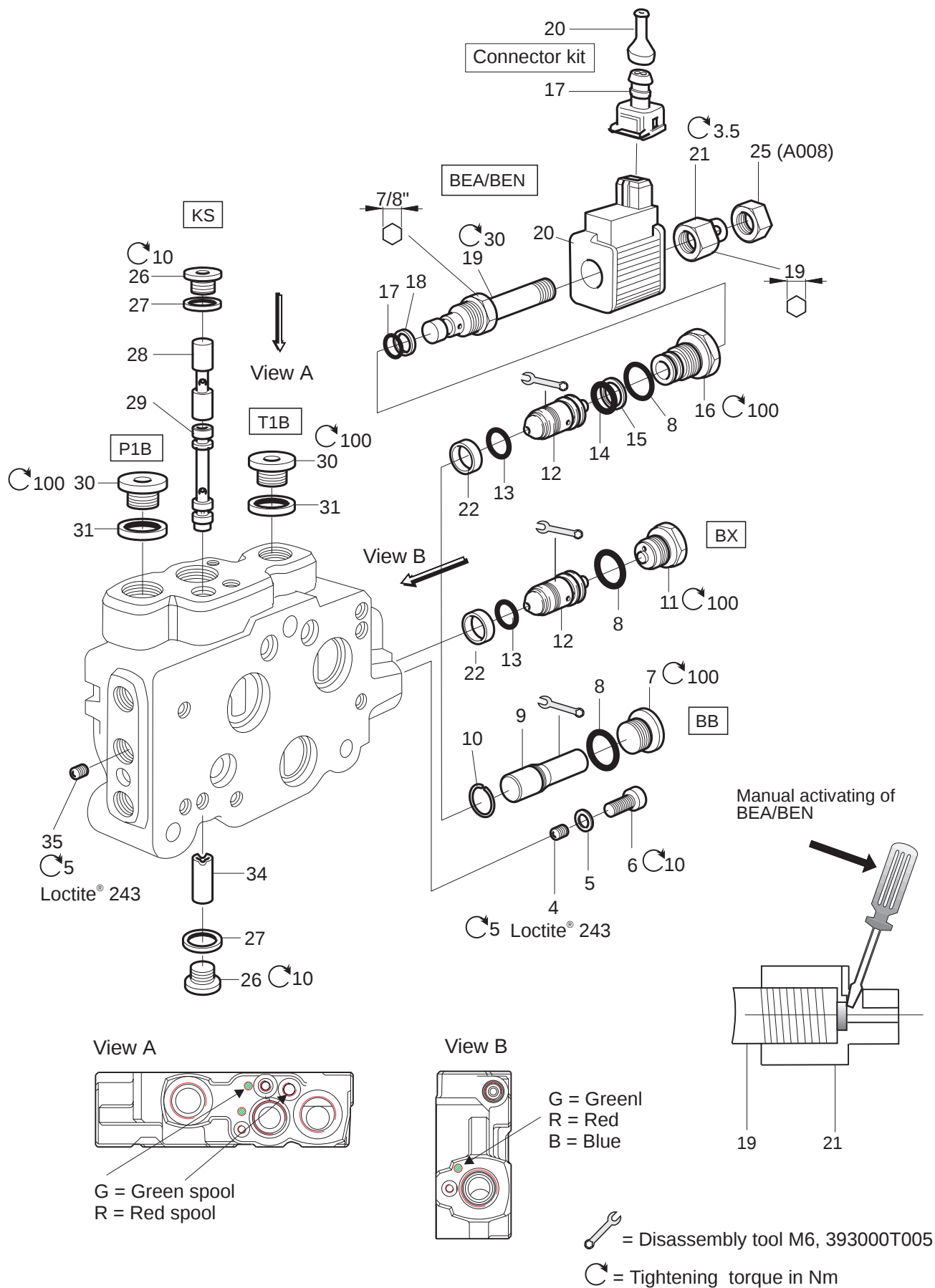
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Spare Parts List

Series L90LS

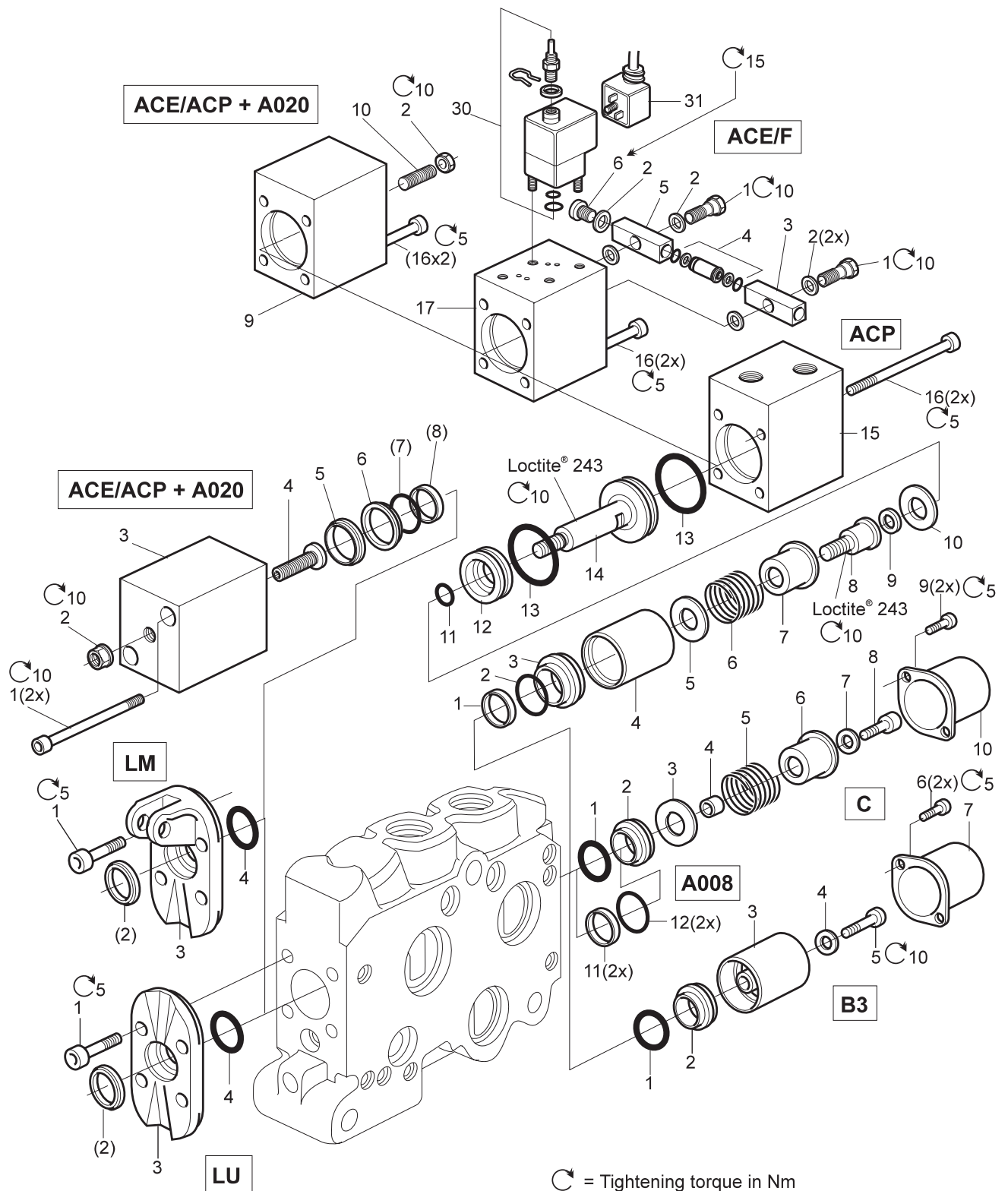
Code	Part #	Description	Remarks
T1B	393000K043	T1 connection plugged, "G" (BSP)	Items 30, 31
T1B	393000K044	T1 connection plugged, "U" (UNF)	Items 30, 31
P1B	393000K043	P1 connection plugged, "G"	Items 30, 31
P1B	393000K044	P1 connection plugged, "U"	Items 30, 31
KB	393000K038	Copy spool not assembled	Items 26(2x), 27(2x), 35
KS	393000K035	Copy spool, size Green	Items 26(2x), 27(2x), 28, 29, 34
KS	393000K435	Copy spool, size Red	Items 26(2x), 27(2x), 28, 29, 34
BB	393000K208	Pump blocking cavity plugged, size B	Items 4, 5, 6, 7, 8, 9, 10
BB	393000K408	Pump blocking cavity plugged, size G	
BB	393000K608	Pump blocking cavity plugged, size R	
BEA	393000K248	Block. with Active solenoid, 12V, size B	Items 12(22,13), 16(14,15,8), 19(17,18,20,21)
BEA	393000K448	Block. with Active solenoid, 12V, size G	
BEA	393000K648	Block. with Active solenoid, 12V, size R	
BEA	393000K250	Block. with Active solenoid, 24V, size B	Items 12(22,13), 16(14,15,8), 19(17,18,20,21)
BEA	393000K450	Block. with Active solenoid, 24V, size G	
BEA	393000K650	Block. with Active solenoid, 24V, size R	
BEN	393000K247	Block. with Non active sol. 12V, size B	Items 12(22,13), 16(14,15,8), 19(17,18,20,21)
BEN	393000K447	Block. with Non active sol. 12V, size G	
BEN	393000K64	Block. with Non active sol. 12V, size R	
BEN	393000K249	Block. with Non active sol. 24V, size B	Items 12(22,13), 16(14,15,8), 19(17,18,20,21)
BEN	393000K449	Block. with Non active sol. 24V, size G	
BEN	393000K649	Block. with Non active sol. 24V, size R	
BX	393000K251	Block. with ext. signal, (BSP), size B	Items 12(22, 13), 8, 11, 35
BX	393000K451	Block. with ext. signal, (BSP), size G	
BX	393000K651	Block. with ext. signal, (BSP), size R	
BX	393000K252	Block. with ext. signal, (UNF), size B	Items 12(22, 13), 8, 11, 35
BX	393000K452	Block. with ext. signal, (UNF), size G	
BX	393000K652	Block. with ext. signal, (UNF), size R	
-	393000K805	Seal kit BEA/BEN/BX	Items
-	393000K822	Connector, kit for 1 solenoid	Item 17, 20
-	393000K825	Connector, kit for 10 solenoids	Item 17, 20
-	393000K826	Connector, kit for 50 solenoids	Item 17, 20
-	3763396	Coil, 12 VDC	Item 20
-	3763397	Coil, 24 VDC	Item 20



Spare Parts List

Series L90LS

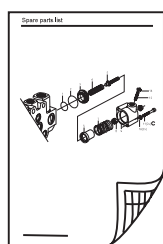
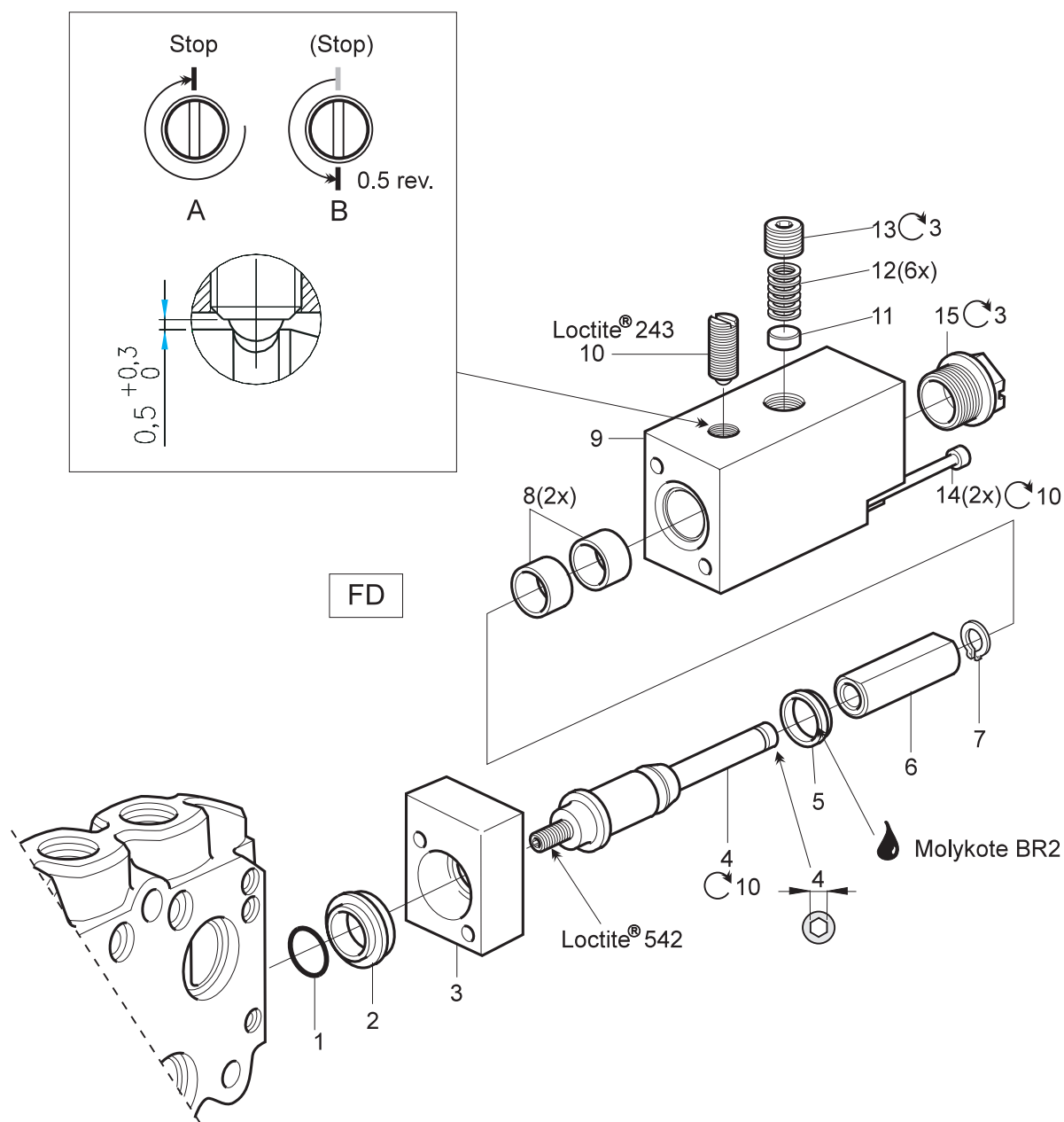
Code	Part #	Description	Remarks
ACP	393000K847	Pneum. proportional actuator, (BSP)	Items 1 - 12, 13(2x), 14, 15, 16(2x)
ACP	393000K848	Pneum. proportional actuator, (UNF)	Items 1 - 12, 13(2x), 14, 15, 16(2x)
ACP	9120079115	Seal kit, ACP	Items 1(2x), 2(2x), 11, 13(2x)
ACP + A020	393000K894	Spool stroke limiting kit, (BSP)	Items 1(2x), 2(2x), 3 - 6, 9, 10
ACP + A020	393000K895	Spool stroke limiting kit, (UNF)	Items 1(2x), 2(2x), 3 - 6, 9, 10
ACE	393000K237	Electropneum. on-off actuator, (BSP)	Items 2 - 12, 13((2x), 14, 16(2x), 17
ACE	393000K238	Electropneum. on-off actuator, (UNF)	Items 2 - 12, 13((2x), 14, 16(2x), 17
ACE	393000K808	Seal kit, ACE	Items 2, 11, 13(2x)
ACE + A020	393000K892	Spool stroke limiting kit, (BSP)	Items 1(2x), 2(2x), 3 - 6, 9, 10
ACE + A020	393000K893	Spool stroke limiting kit, (UNF)	Items 1(2x), 2(2x), 3 - 6, 9, 10
ACE	9123958812	Solenoid valve, 12 VDC	Items 30, 31
ACE	9123958824	Solenoid valve, 24 VDC	Items 30, 31
-	9120099615	Seal kit for one solenoid valve	
ACEF	393000K855	Pressure supply, inlet piece, (BSP)	Items 1, 2(2x), 4, 5
ACEF	393000K856	Pressure supply, inlet piece, (UNF)	Items 1, 2(2x), 4, 5
ACEF	393000K857	Pressure supply, intermediate piece	Items 1, 2(2x), 3, 4
ACEF	9120039072	Pressure supply, endpiece, (BSP/UNF)	Items 1, 2(3x), 5, 6
ACEF	393000K854	Connection pipe	Item 4
C	393000K235	Spool actuator, spring centered	Items 1(2x), 2 - 8, 9(2x), 10
C + A008	393000K619	C actuator, with lower spring forces	Items 2 - 8, 9(2x), 10, 11(2x), 12(2x)
B3	393000K236	Spool actuator, 3-pos. detent	Items 1 - 5, 6(2x), 7
LM	393000K241	Lever bracket	Items 1(2x), 3(2), 4
LU	393000K242	Cover	Items 1(2x), 3(2), 4
-	393000K807	Spool seal kit (C, B3, ACE)	2, 4(2x)



Spare Parts List

Series L90LS

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Note!
Descriptions,
part numbers

OVERLEAF!



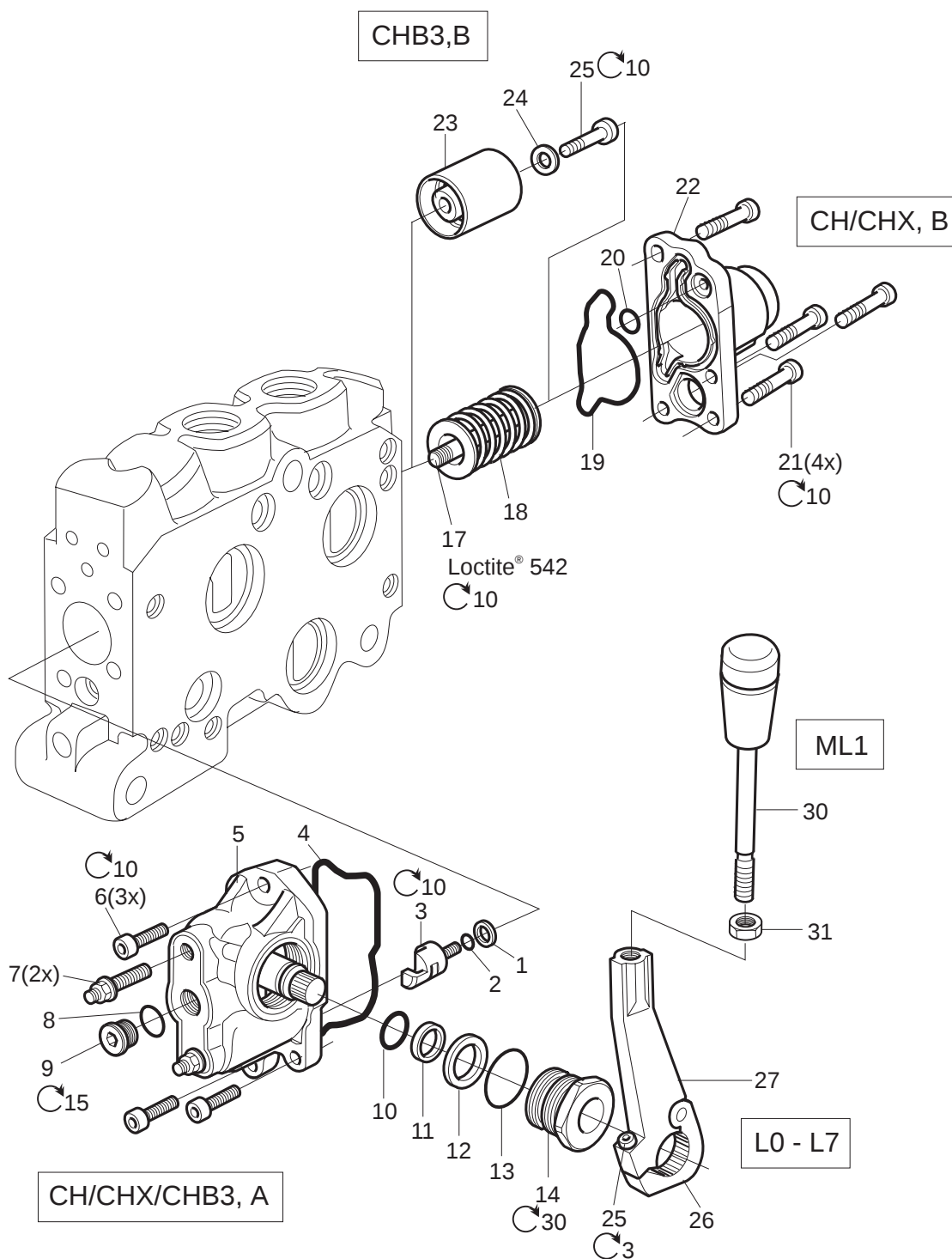
⌚ = Tightening torque in Nm

💧 = Lubricant/Corrosion preventative

Spare Parts List

Series L90LS

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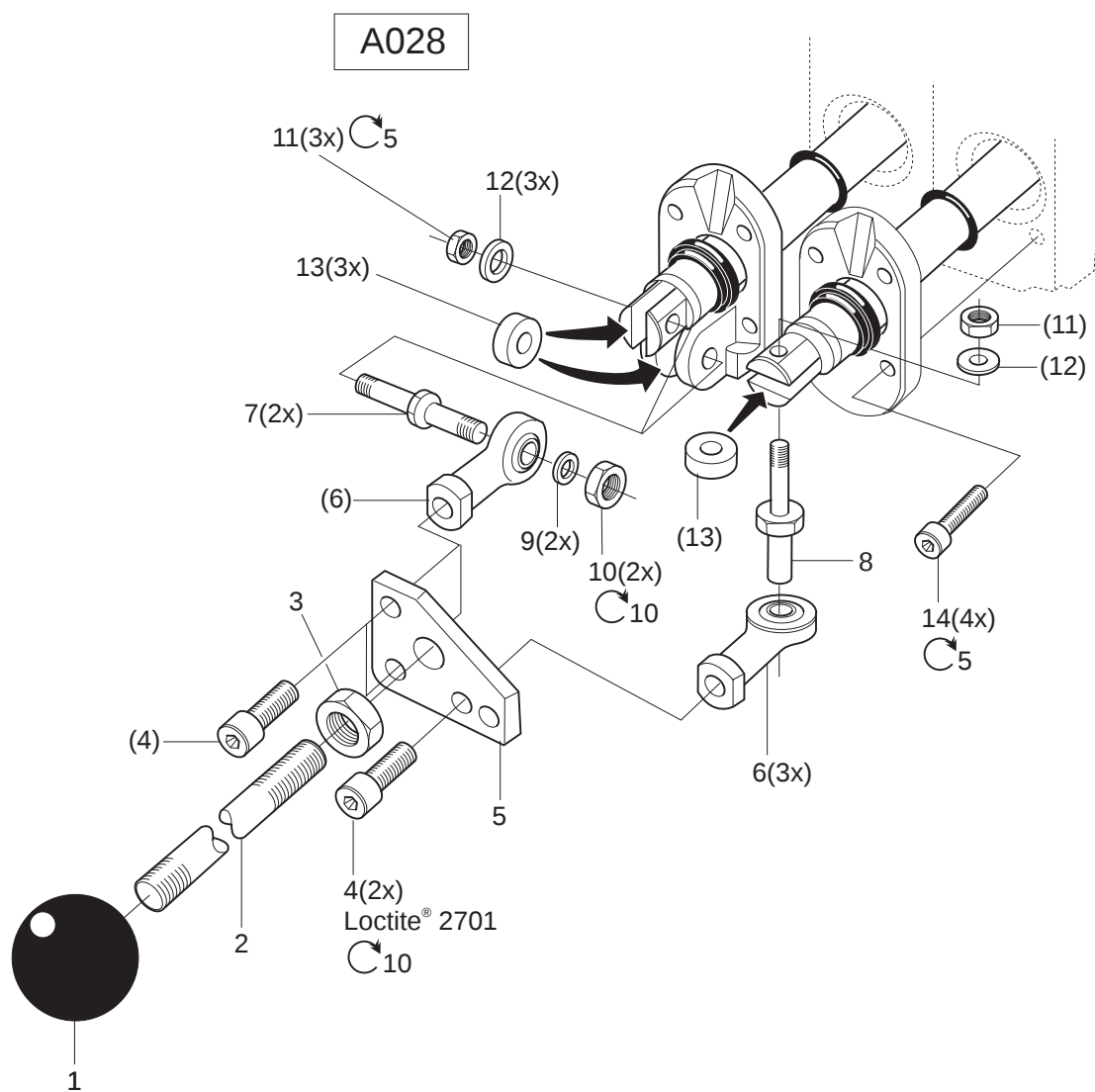


$\curvearrowright$ = Tightening torque in Nm

Spare Parts List

Series L90LS

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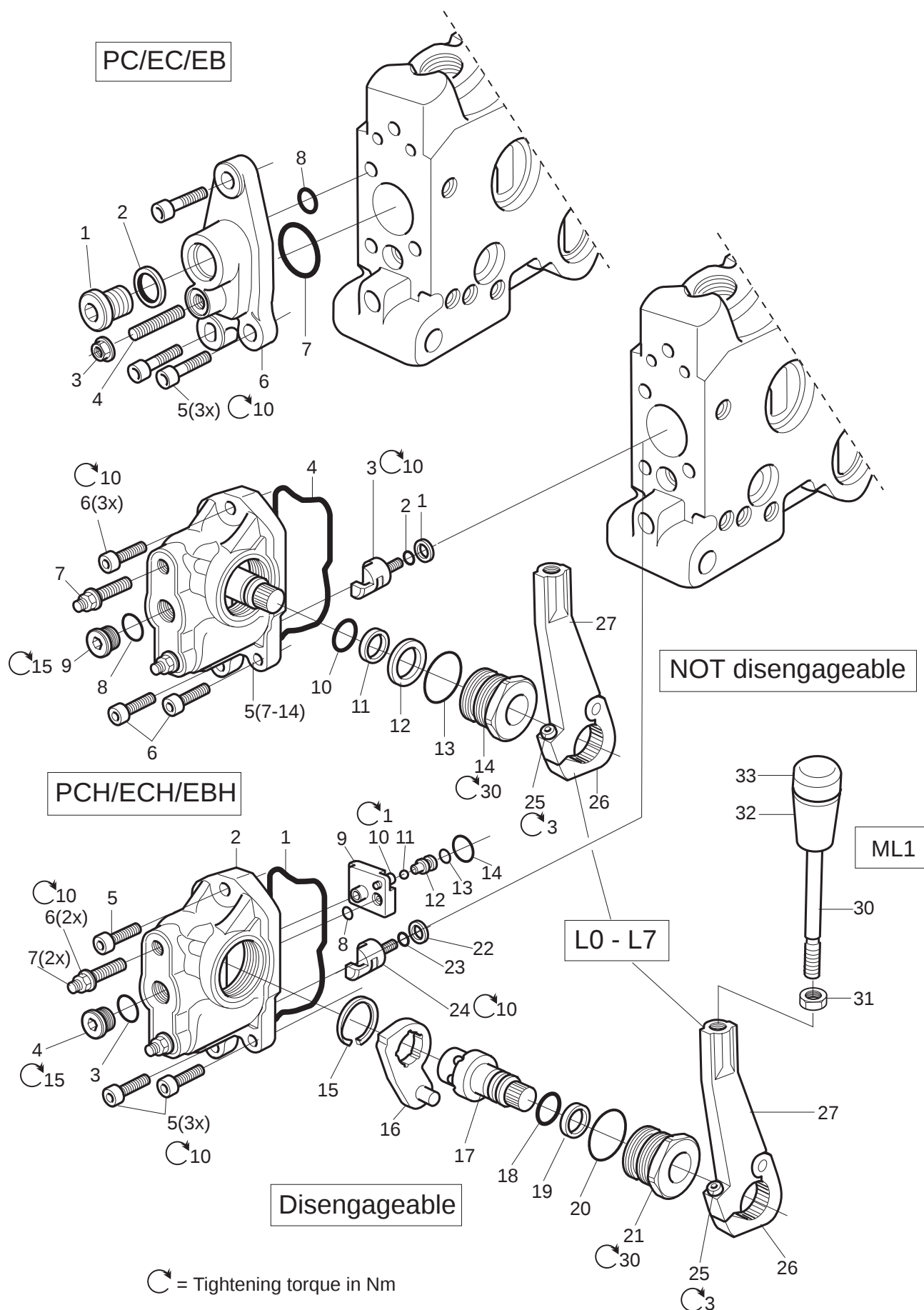


$\curvearrowright$ = Tightening torque in Nm

Spare Parts List

Series L90LS

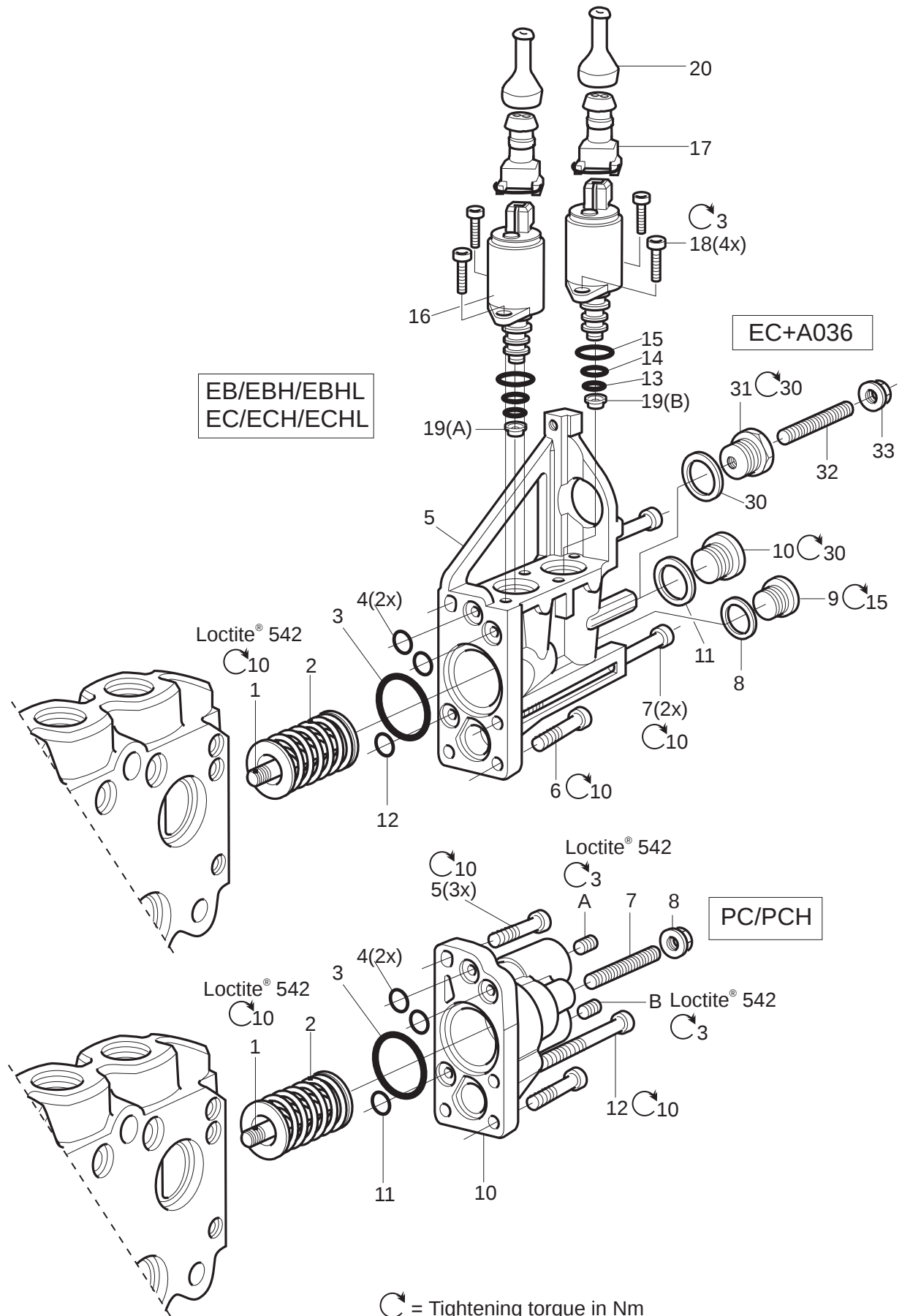
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Spare Parts List

Series L90LS

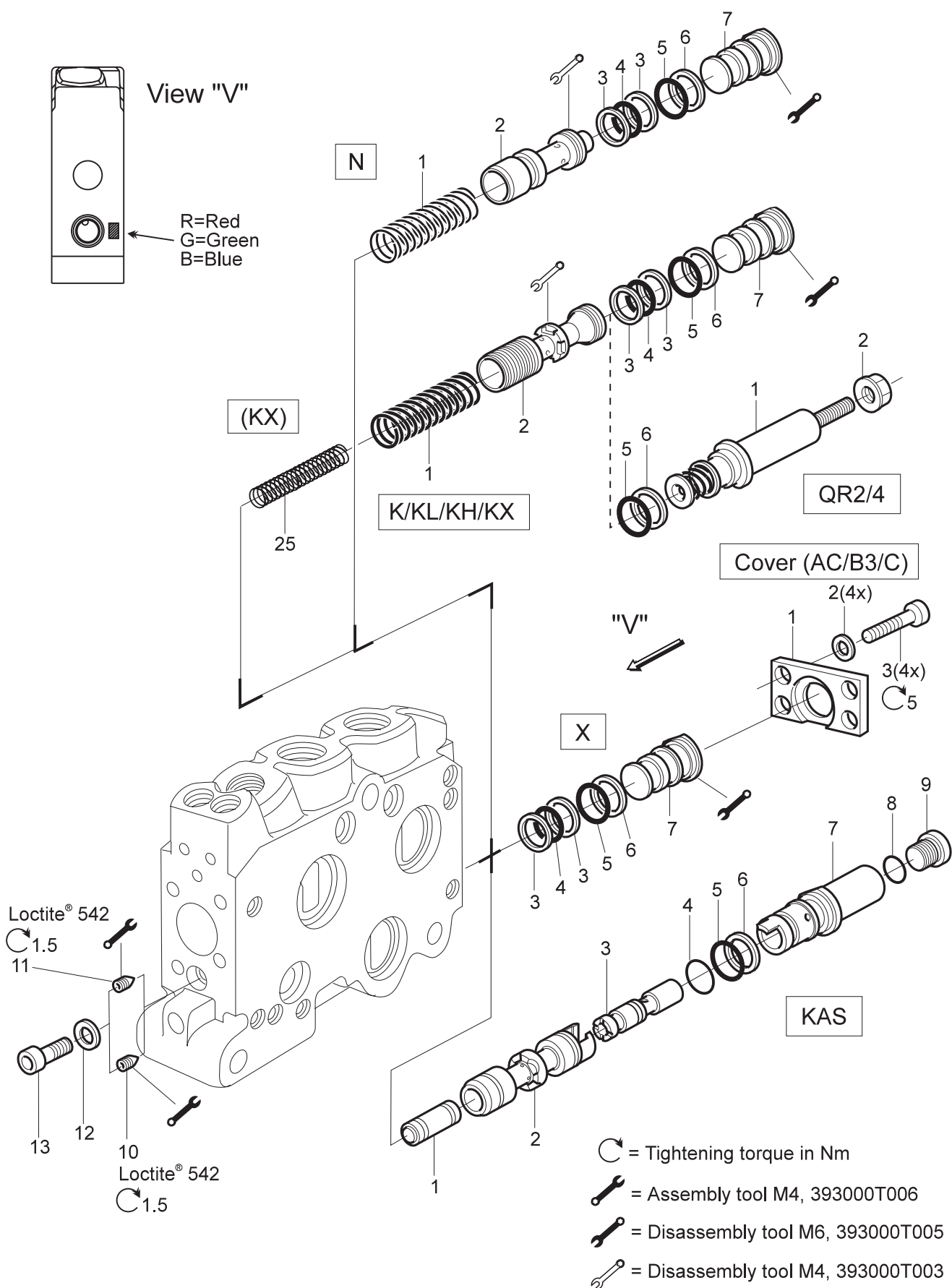
Code	Part #	Description	Remarks
PC/PCH	393000K343	Spring kit, std	Items 1, 2
PC/PCH	393000K239	Cap kit, (BSP)	Items 3, 4(2x), 5(3x), 7, 8, 10, 11, 12
PC/PCH	393000K240	Cap kit, (UNF)	Items 3, 4(2x), 5(3x), 7, 8, 10, 11, 12
PC/PCH	393000K845	Seal kit	Items 3, 4(2x), 8, 11
PC/PCH	9127197105	Pilot restriction, ø0.6 (Brown)	A/B
PC/PCH	9127197107	Pilot restriction, ø0.8 (White)	A/B
PC/PCH	9127197109	Pilot restriction, ø1.0 (Green)	A/B
PC/PCH	9127197110	Pilot restriction, ø1.2 (Yellow)	A/B
PC/PCH	9127197102	Pilot restriction, ø1.4 (Green/White)	A/B
PC+A016	393000K748	Cap kit	
EC/ECH/EB/EBH	393000K343	Spring kit, std	Items 1, 2
ECHL/EBHL	393000K342	Spring kit, Light	Items 1, 2
EC/ECH/EB/EBH	393000K151	Cap kit, (BSP)	Items 3, 4(2x), 5, 6(2x), 7(2x), 8-12, 18(4x)
EC/ECH/EB/EBH	393000K152	Cap kit, (UNF)	Items 3, 4(2x), 5, 6(2x), 7(2x), 8-12, 18(4x)
EC/ECH/EB/EBH	393000K846	Seal kit	Items 3, 4(2x), 8, 11, 12
EC+A036	393000K036	Spool stroke limiting kit	Items 30, 31, 32, 33
EC/PC+A023	393000K859	Spring kit, 8 - 24 bar	Items 1, 2
EC/ECH/ECHL	393000K286	PVC25 solenoid valve, 12VDC	Items 16, 19
EC/ECH/ECHL	393000K287	PVC25 solenoid valve, 24VDC	Items 16, 19
EC/ECH/ECHL/M	393000K744	PVC25, manual override, 12VDC	Items 16, 19 <i>N.B. Two solenoid valves in kit!</i>
EC/ECH/ECHL/M	393000K745	PVC25, manual override, 24VDC	Items 16, 19 <i>N.B. Two solenoid valves in kit!</i>
EC/ECH/ECHL/M	393000K544	PVC25, manual override, 12VDC	Items 16, 19 <i>N.B. One solenoid valve in kit!</i>
EC/ECH/ECHL/M	393000K545	PVC25, manual override, 24VDC	Items 16, 19 <i>N.B. One solenoid valve in kit!</i>
EB/EBHL	393000K727	QDC25 solenoid valve, on-off, 12VDC	Items 16, 19
EB/EBHL	393000K728	QDC25 solenoid valve, on-off, 24VDC	Items 16, 19
-	393000K813	Seal kit, PVC/QDC	Items 13, 14, 15 (Kit for 1 solenoid valve)
-	393000K858	Air-bleed screw set	(For 2 solenoid valves)
PVC/QDC	393000K822	Connector kit (for 1 solenoid)	Items 17, 20
PVC/QDC	393000K825	Connector kit (for 10 solenoids)	Items 17, 20
PVC/QDC	3763 308	Pilot restriction ø3.0	Item 19, (Supplied encl. with solenoid)
PVC/QDC	3762 612	Pilot restriction ø2.0, marking: 9 spots	Item 19, (earlier colour marked black)
PVC/QDC	3762 611	Pilot restriction ø1.5, marking: 8 spots	Item 19, (earlier colour marked blue)
PVC/QDC	3762 400	Pilot restriction ø1.4, marking: 7 spots	Item 19, (earlier colour marked green/white)
PVC/QDC	3762 610	Pilot restriction ø1.3, marking: 6 spots	Item 19, (earlier colour marked orange)
PVC/QDC	3762 399	Pilot restriction ø1.2, marking: 5 spots	Item 19, (earlier colour marked yellow)
PVC/QDC	3762 609	Pilot restriction ø1.1, marking: 4 spots	Item 19, (earlier colour marked red)
PVC/QDC	3762 398	Pilot restriction ø1.0, marking: 3 spots	Item 19, (earlier colour marked green)
PVC/QDC	3762 910	Pilot restriction ø0.9, marking: 10 spots	Item 19, (earlier colour marked red/white)
PVC/QDC	3762 397	Pilot restriction ø0.8, marking: 2 spots	Item 19, (earlier colour marked white)
PVC/QDC	3762 396	Pilot restriction ø0.6, marking: 1 spot	Item 19, (earlier colour marked brown)
PVC/QDC	3764 310	Pilot restriction ø0.45, mark.: 11 spots	Item 19, (earlier colour marked blue/white)



Spare Parts List

Series L90LS

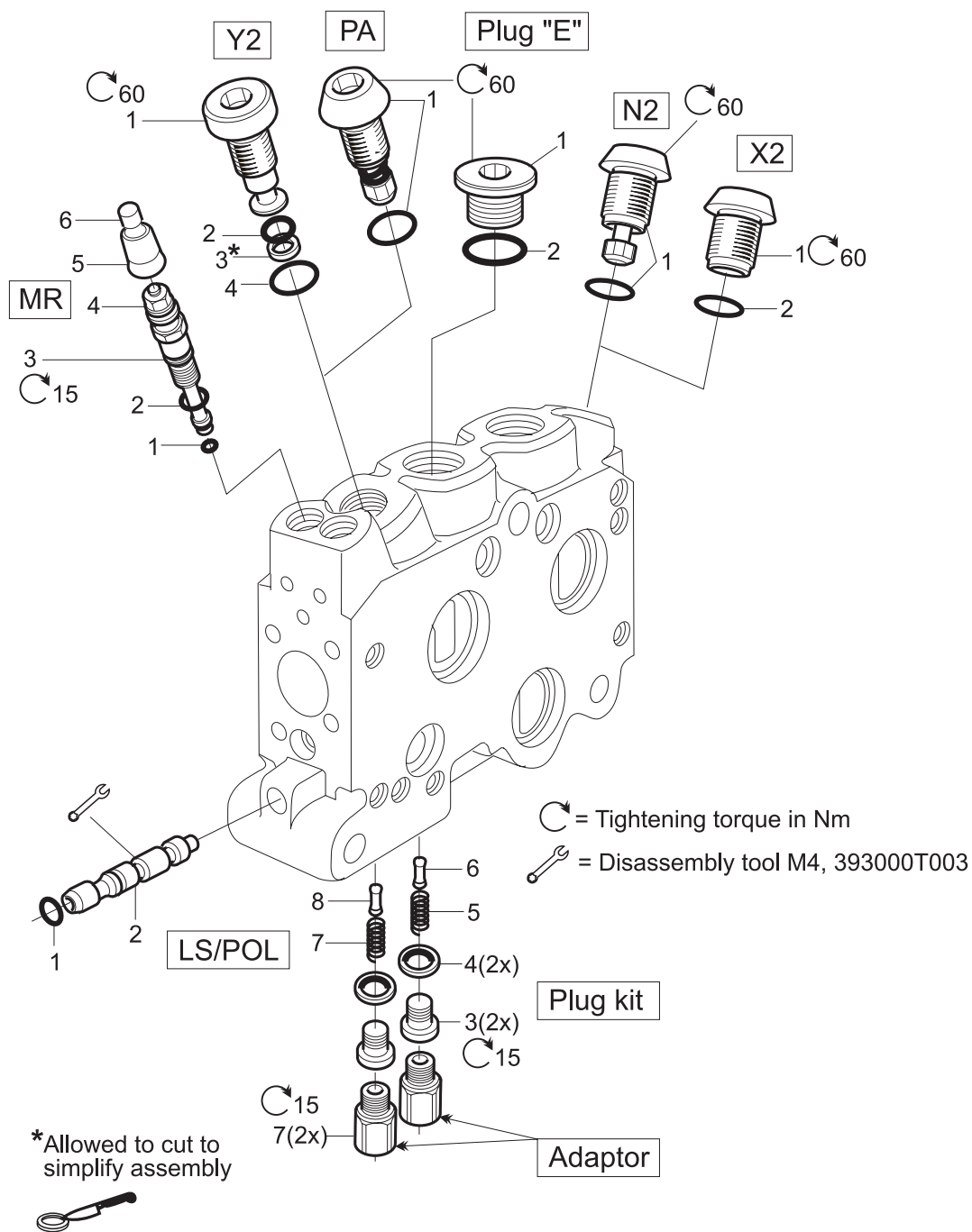
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Spare Parts List

Series L90LS

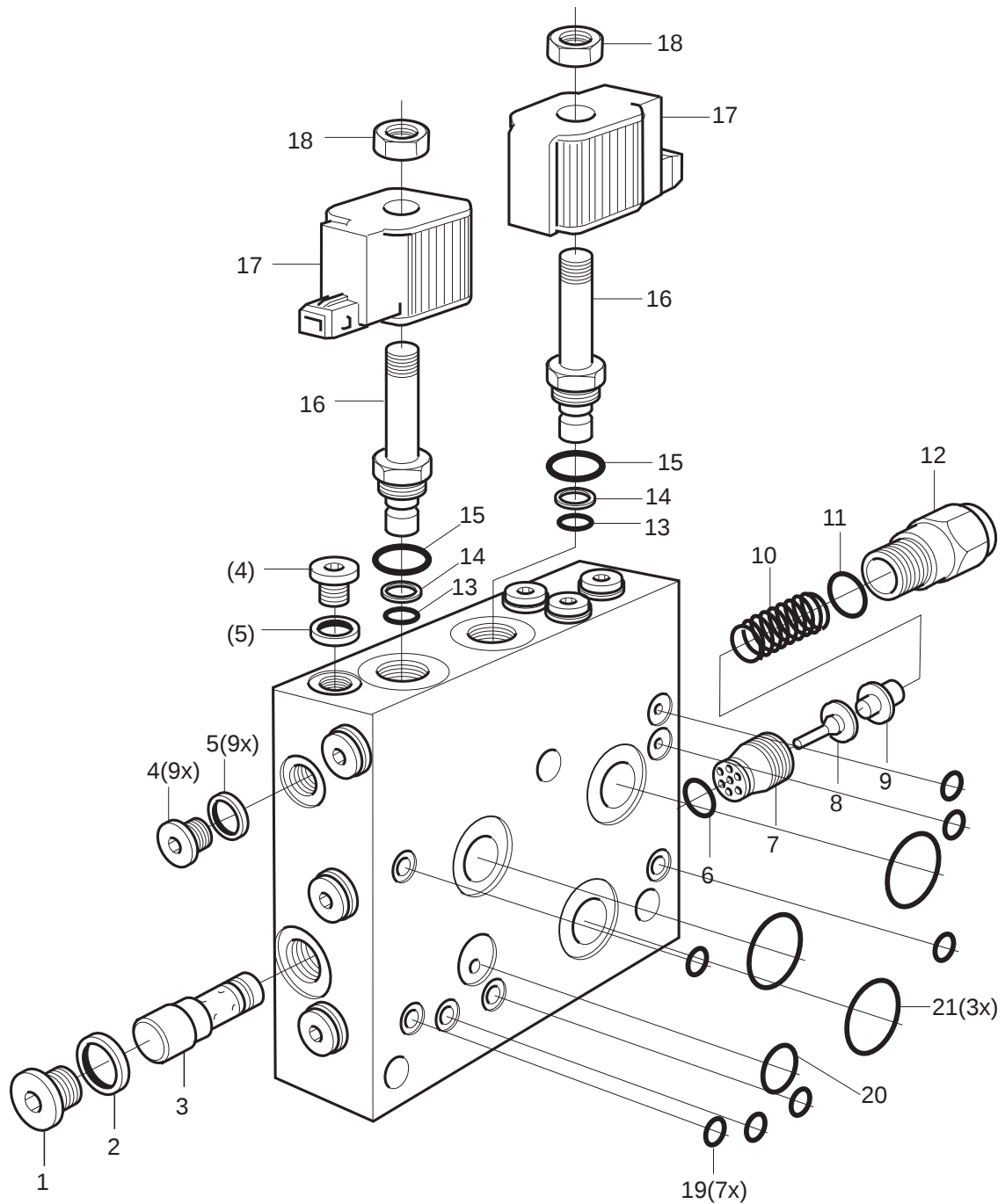
Position	Part #, std	Part #, A005	Description	Remarks
75A/75B	393000K176	393000K558	Port relief valve, PLC053- 50-10, (bar at 10 l/min)	Item 1
	393000K177	393000K559	Port relief valve, PLC053- 63-10	Item 1
	393000K178	393000K560	Port relief valve, PLC053- 80-10	Item 1
	393000K179	393000K561	Port relief valve, PLC053-100-10	Item 1
	393000K180	393000K562	Port relief valve, PLC053-125-10	Item 1
	393000K181	393000K563	Port relief valve, PLC053-140-10	Item 1
	393000K182	393000K564	Port relief valve, PLC053-160-10	Item 1
	393000K183	393000K565	Port relief valve, PLC053-175-10	Item 1
	393000K184	393000K566	Port relief valve, PLC053-190-10	Item 1
	393000K185	393000K567	Port relief valve, PLC053-210-10	Item 1
	393000K186	393000K568	Port relief valve, PLC053-230-10	Item 1
	393000K187	393000K569	Port relief valve, PLC053-250-10	Item 1
	393000K188	393000K570	Port relief valve, PLC053-260-10	Item 1
	393000K189	393000K571	Port relief valve, PLC053-280-10	Item 1
	393000K190	393000K572	Port relief valve, PLC053-300-10	Item 1
	393000K191	393000K573	Port relief valve, PLC053-320-10	Item 1
	393000K192	393000K574	Port relief valve, PLC053-350-10	Item 1
Code	Part #	Description	Remarks	
N2	393000K194	Check valve	Item 1	
X2	393000K193	Plug kit, X	Items 1 ,2	
Y2	393000K195	Plug kit, Y	Items 1, 2, 3, 4	
Y2	393000K818	Seal kit, Y2	Items 2, 3, 4	
-	393000K280	Plug kit "E", (BSP)	Items 1, 2	
-	393000K281	Plug kit "E", (UNF)	Items 1, 2	
MR	393000K817	Supply pressure reducer	Items 3(1, 2, 4)	
MR	393000K831	Gasket kit	Ittems 1, 2, 4	
MR	393000K852	Sealing set	Items 5, 6	
A1B	393000K627	Individual LS connection	Items 1, 2, 7, 8	
A1B2	393000K624	Individual LS connection	Items 1, 2, 5, 6, 7, 8	
A1B3	393000K196	Individual LS connection	Items 1, 2, 5, 6, 7, 8	
A2B	393000K197	Individual LS connection	Items 1, 2, 7, 8	
A2B2	393000K198	Individual LS connection	Items 1, 2, 5, 6, 7, 8	
A2B3	393000K625	Individual LS connection	Items 1, 2, 5, 6, 7, 8	
AB	393000K199	Individual LS connection	Items 1, 2	
AB2	393000K284	Individual LS connection	Items 1, 2, 5, 6	
AB3	393000K626	Individual LS connection	Items 1, 2, 5, 6	
-	393000K828	Plug kit, (BSP)	Items 3(2x), 4(2x)	
-	393000K829	Plug kit, (UNF)	Items 3(2x), 4(2x)	
-	3763 932	Adaptor 1/8 BSP	Item 7 (2x /section)	
-	3764 197	Adaptor 7/16-20 UNF	Item 7 (2x /section)	



Spare Parts List

Series L90LS

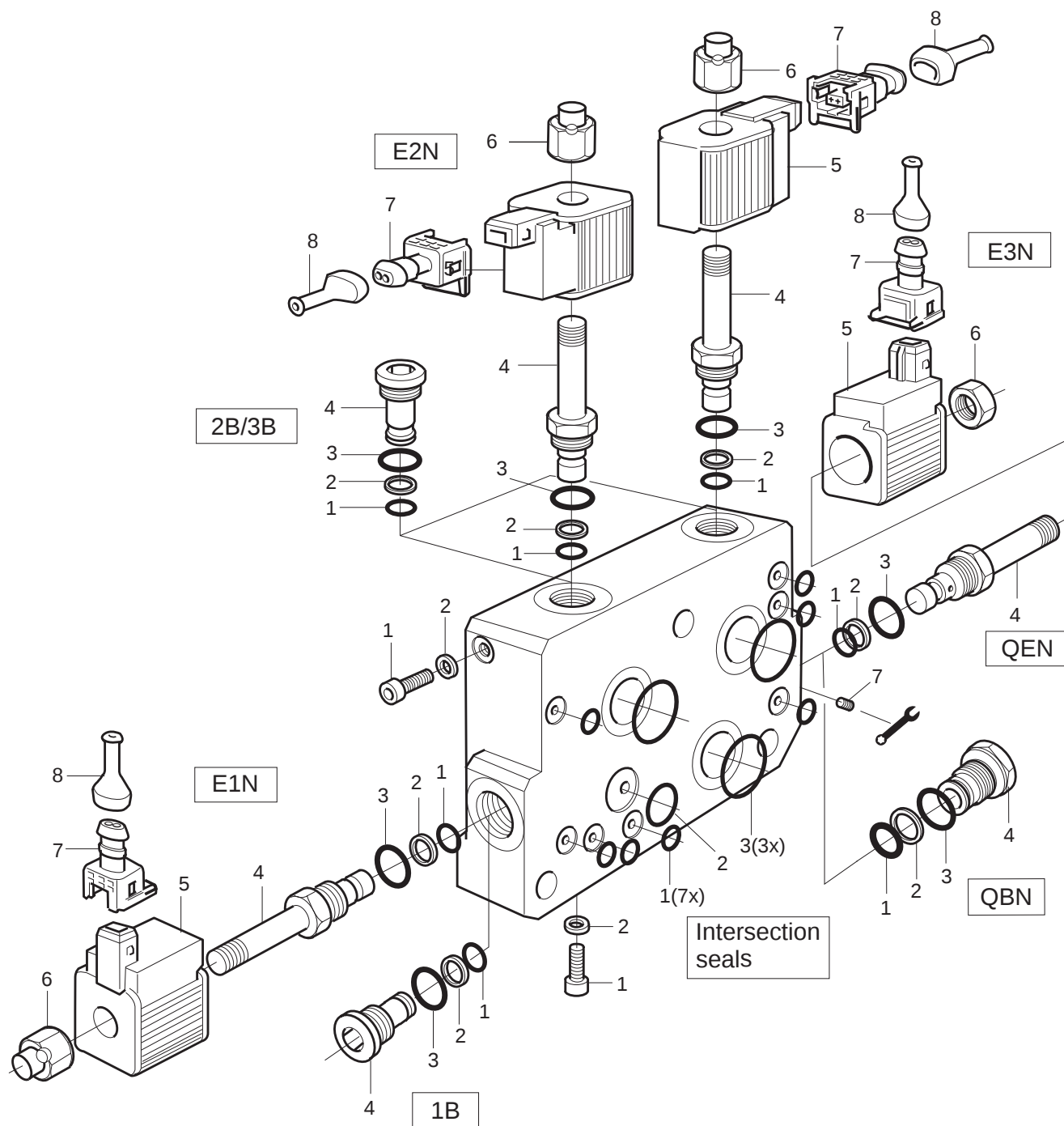
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Spare Parts List

Series L90LS

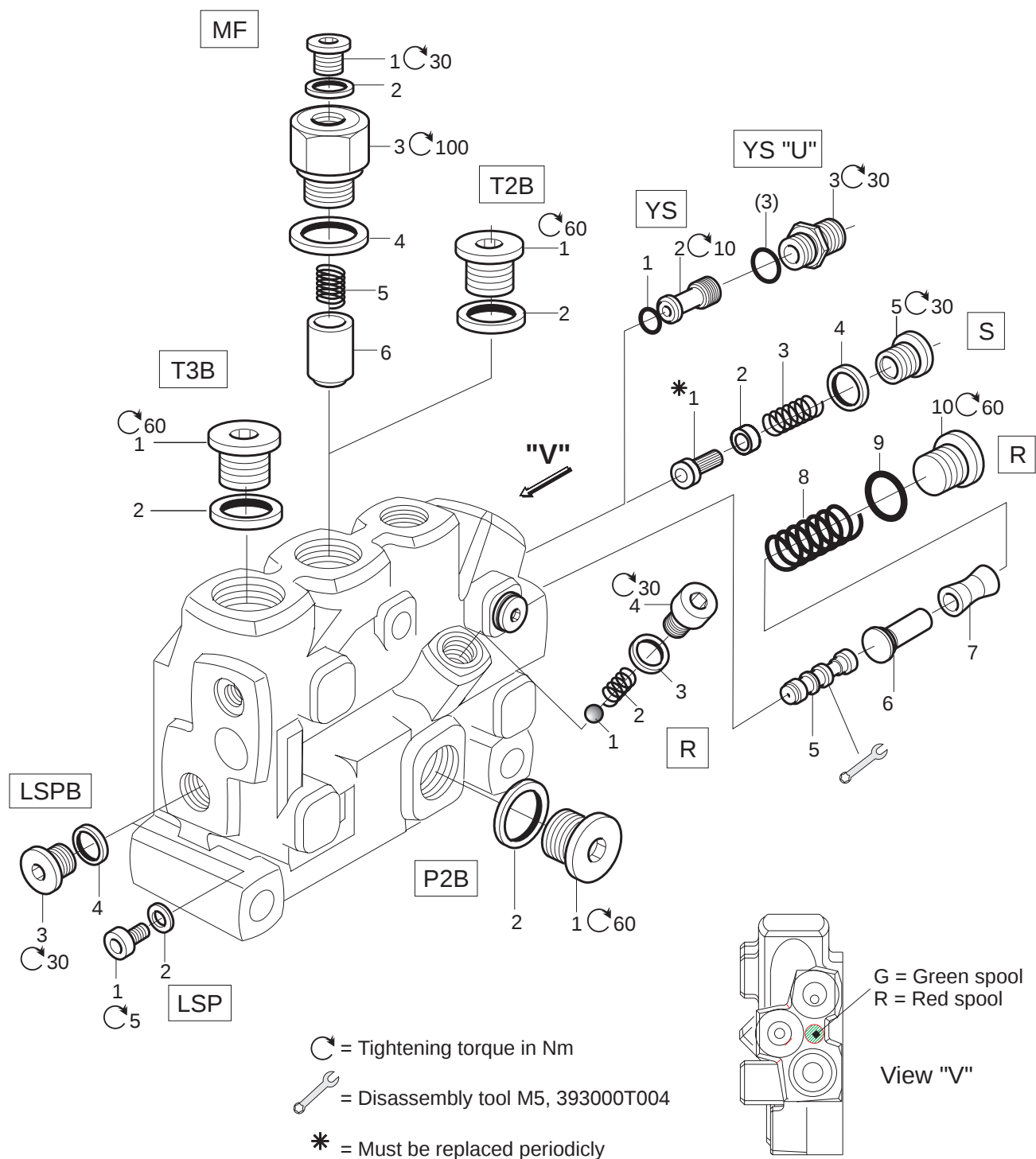
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Spare Parts List

Series L90LS

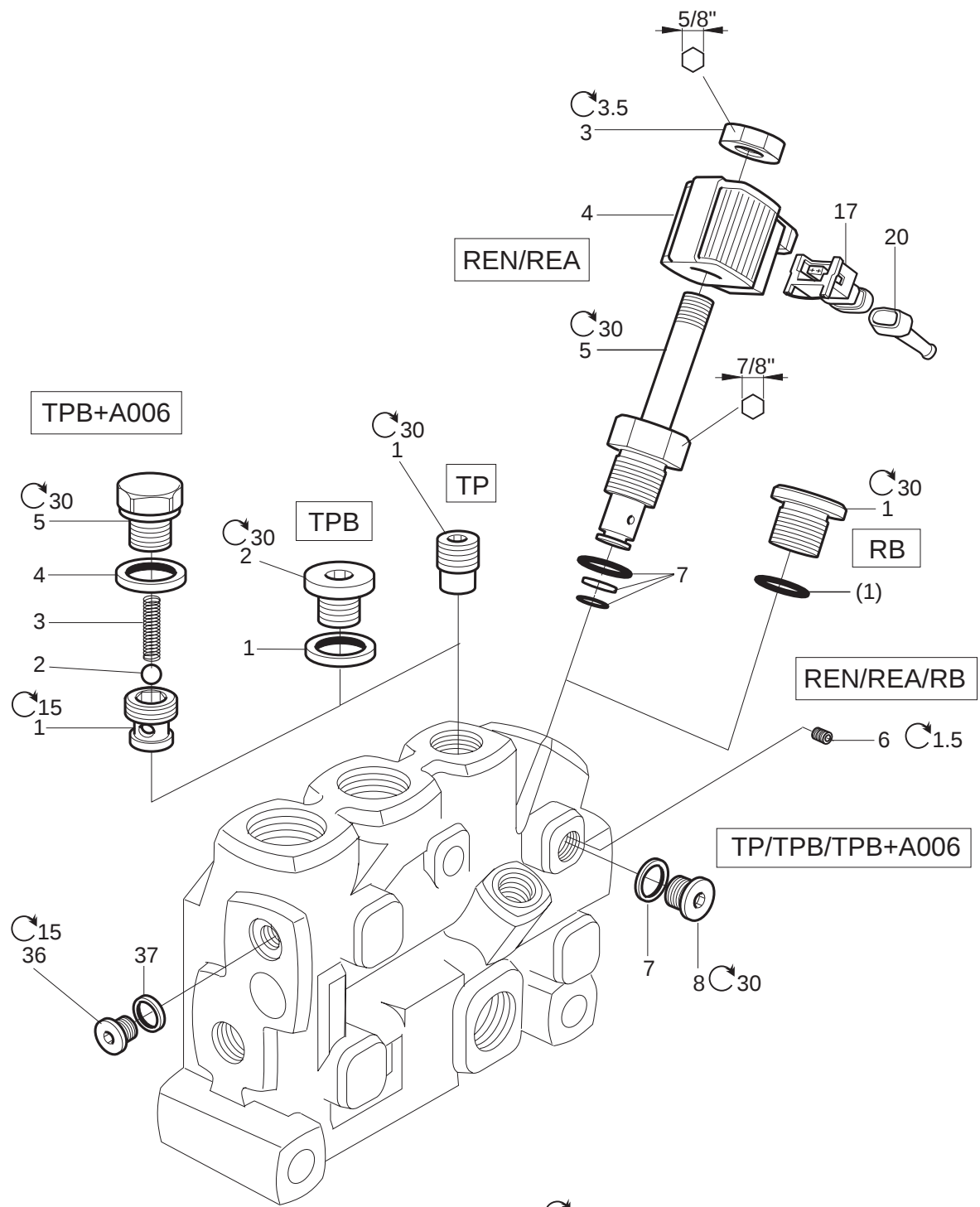
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Spare Parts List

Series L90LS

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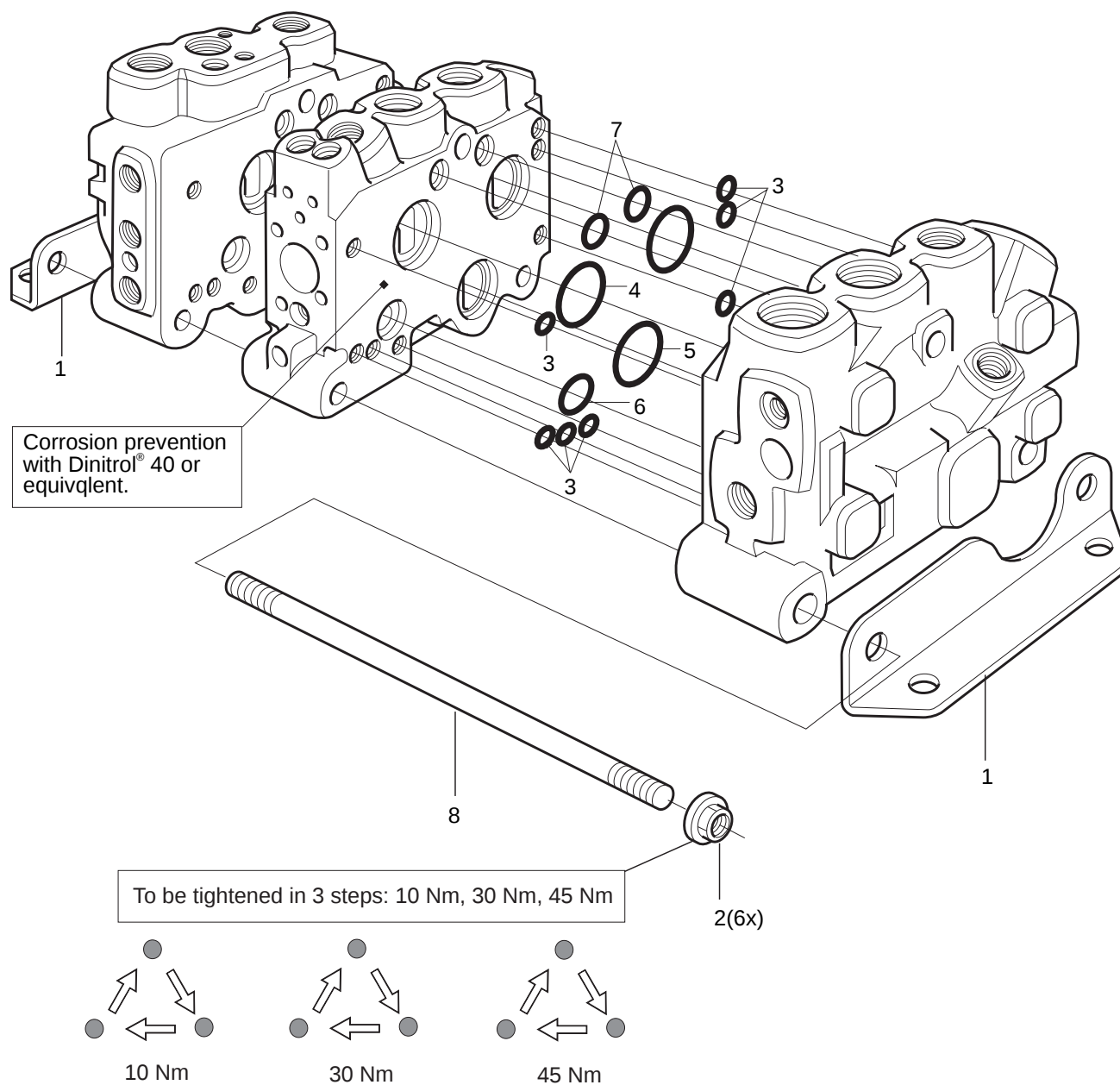


 = Tightening torque in Nm

Spare Parts List

Series L90LS

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For further information, please contact:



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