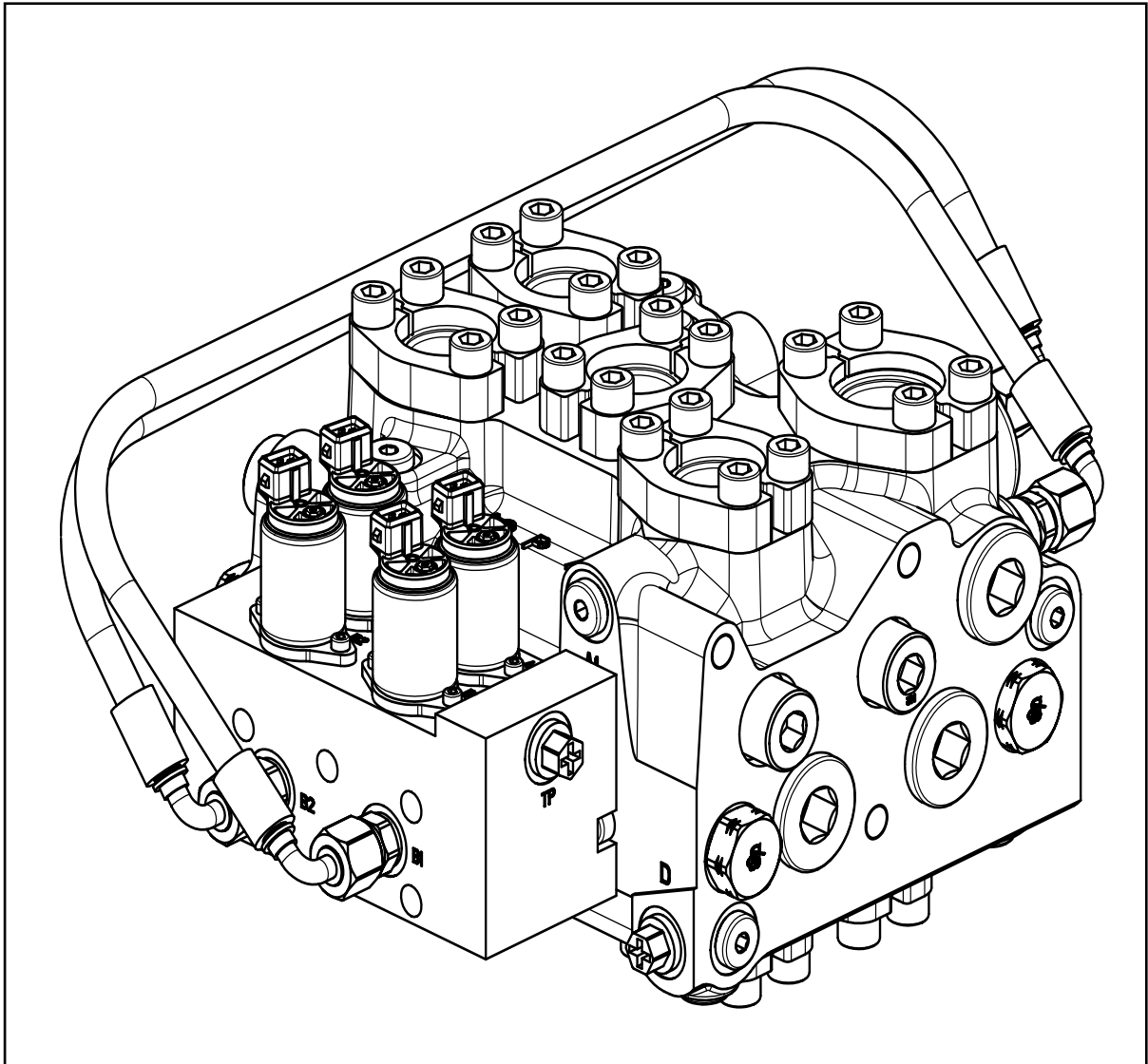




Bulletin HY17-8809-M1/UK

Spare Parts List Series M200LS

Effective date: January 15, 2014
Supersedes: June 11, 2013



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 in the kit.
- 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 in the kit.

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.

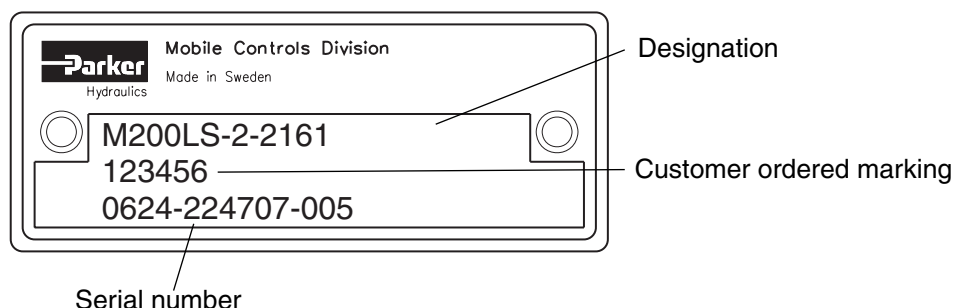
The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application,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

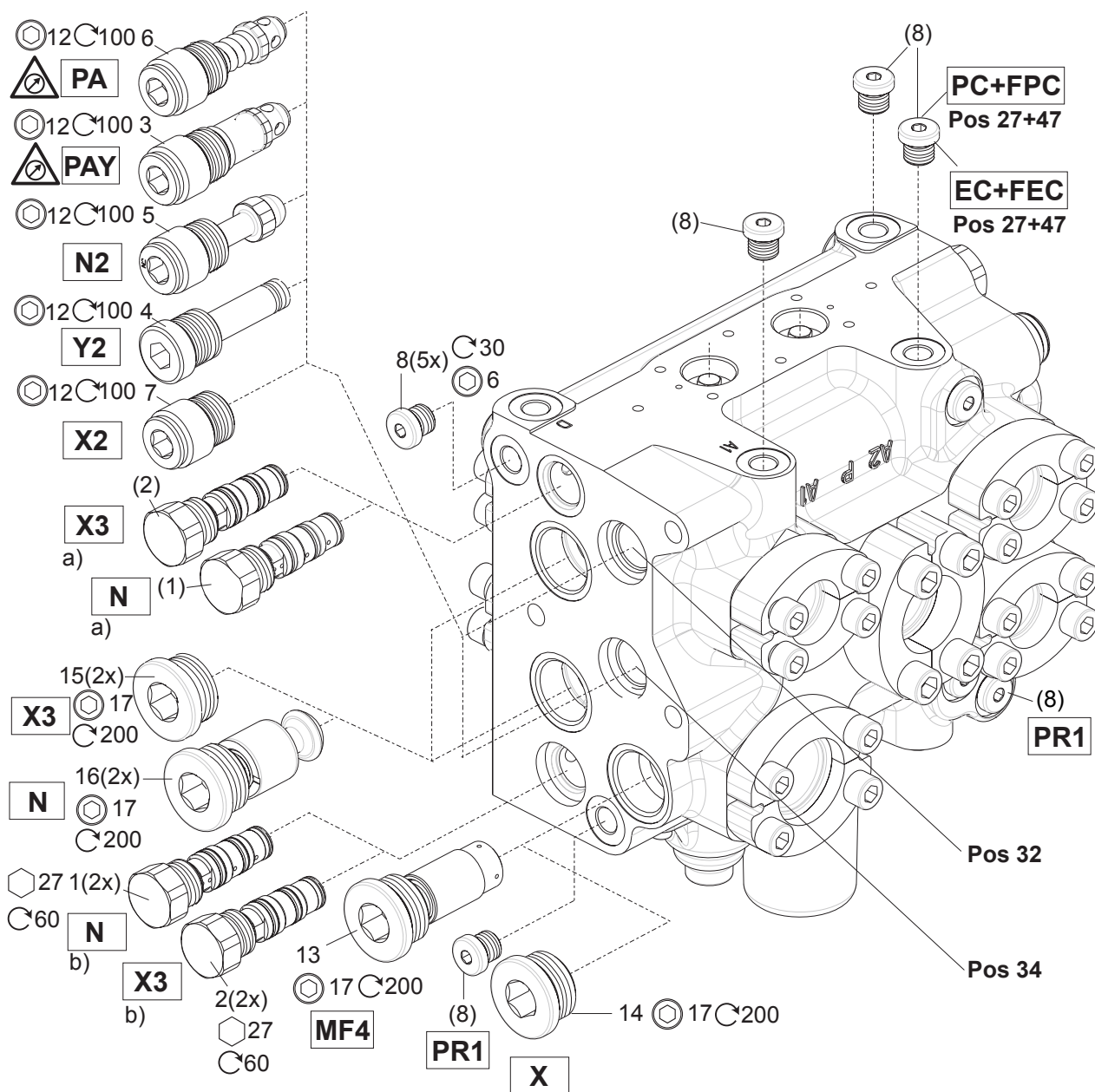
Please contact your Parker representation for a detailed "Offer of Sale".

List of contents	Page
Main block, view A1	
PC, FPC, EC, FEC, PA, PAY, N, N2, Y2, X, X2, X3, MF4, PR1, EA, EB	4
PC, EC, 12, 24, 0.9, 1.2, A01	6
Main block, view B	
PC, FPC, EC, FEC, PA, PAY, N, N2, Y2, X2, X3, PR1, A01, A03, A227	8
Main block, front	
M, M3, PC, FPC, EC, FEC	10
Main block, back	
M, M3	12
Appendix A: Warnings	14



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

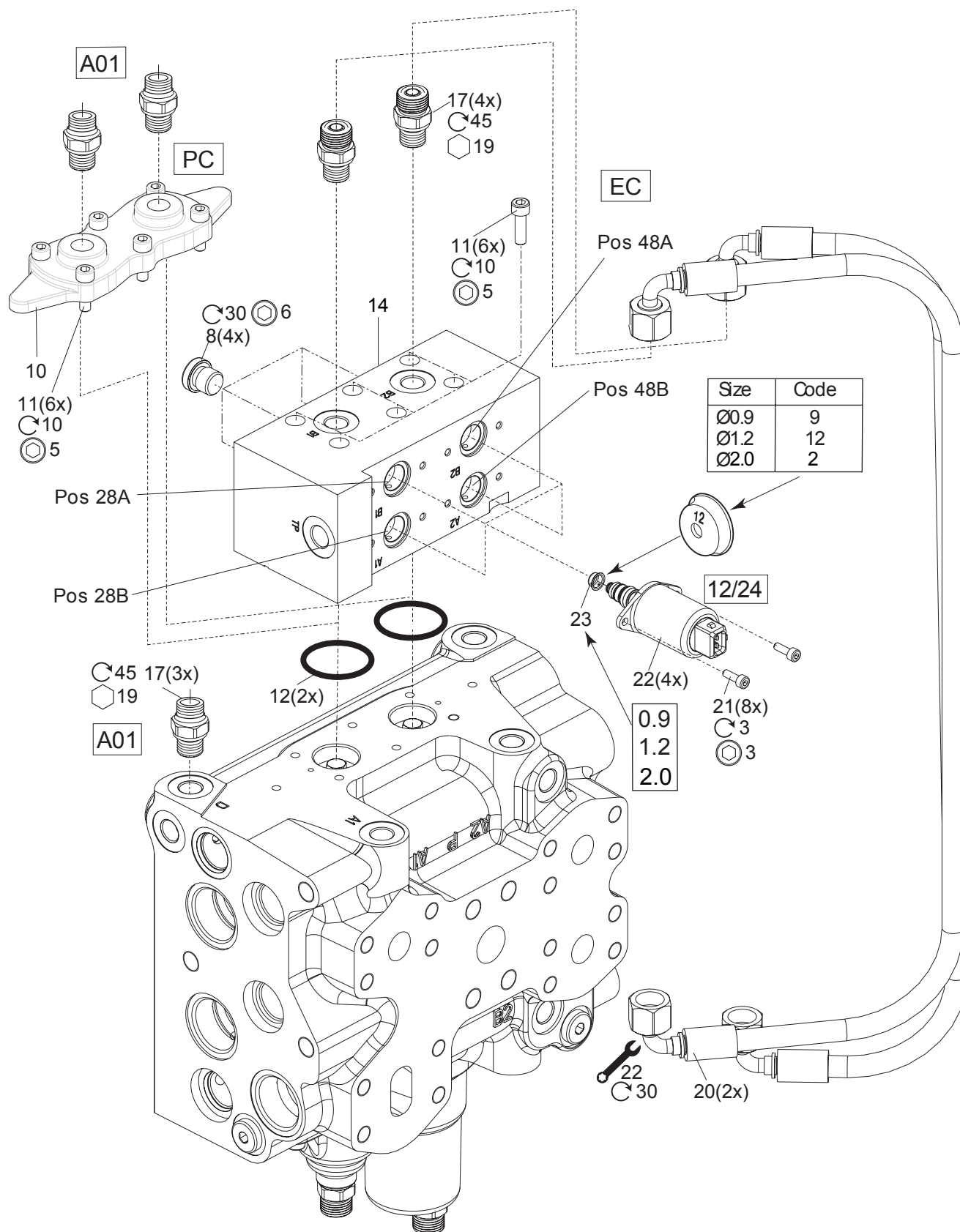
PC, FPC, EC, FEC, PA, PAY, N, N2, Y2, X, X2, X3, MF4, PR1, EA, EB



- a) at EB in pos 21 and N in pos 13 is item 2 used
b) at EA in pos 21 and N in pos 13 is item 2 used

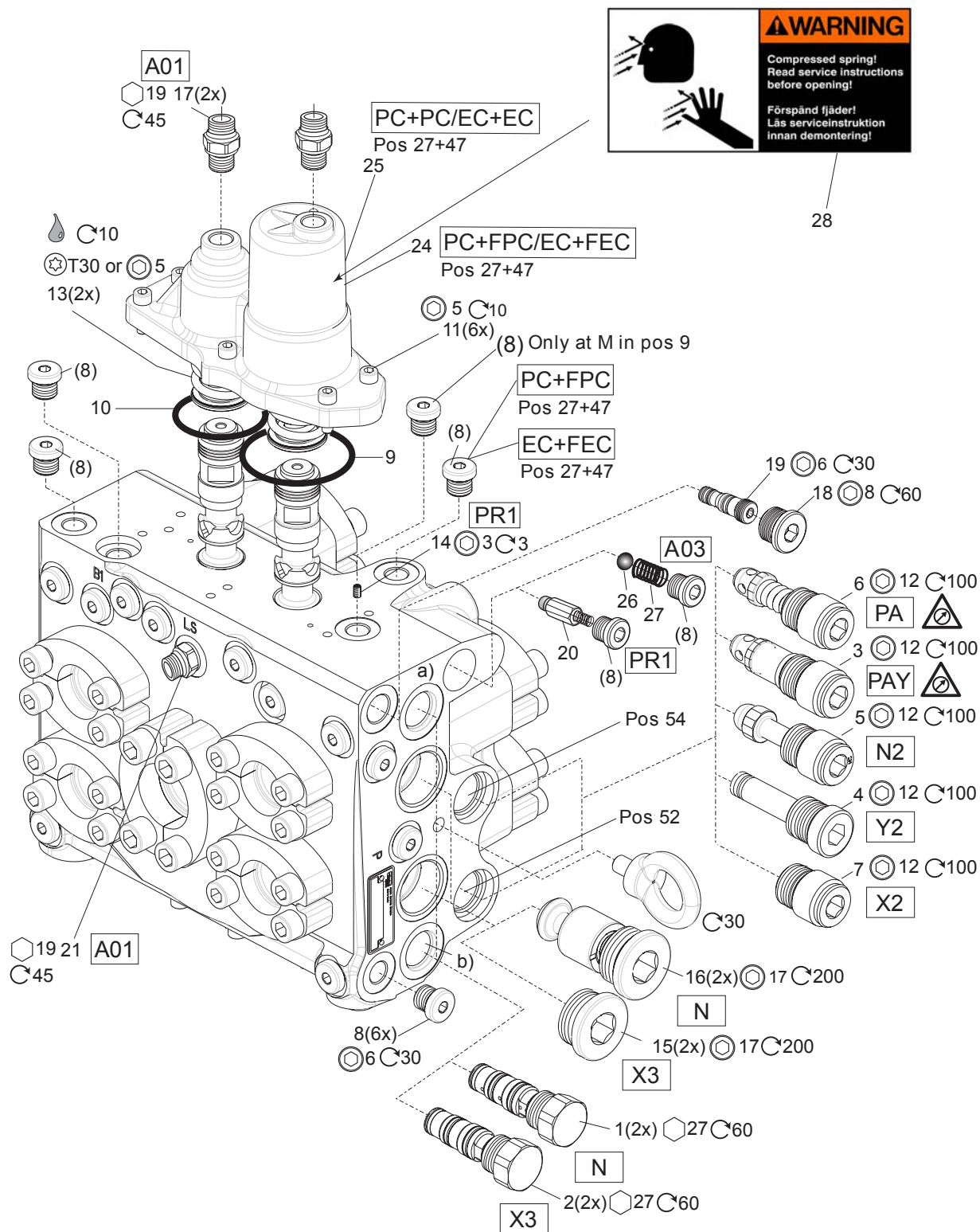
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
N	13	6760624	Sequence valve Ø0.8 mm	1
N	13	302000K005	Check valve, N	16
X3	13	302000K055	Cavity plug, X3	2
X3	13	–	Plug VSTI1EDCF	15
N, X3	13	302000K805	Seal kit for items 1 and 2	Not shown
PAY			Pressure relief valve PAY	3 (See pages 8 and 9)
N2	32, 34, 52, 54	302000K031	Anticavitation valve, N2	5
Y2	32, 34, 52, 54	9120092014	Plug, Y2	4
Y2	32, 34, 52, 54	393000K804	Seal kit Y2	Not shown
X2	32, 34, 52, 54	302000K032	Plug ,X2	7
PA + 100	32 + 33 or 34 + 35 or 52 + 53 or 54 + 55	9120029254	Pressure relief valve PA, 100/20	6 
PA + 125		9120029255	Pressure relief valve PA, 125/20	6 
PA + 140		9120029256	Pressure relief valve PA, 140/20	6 
PA + 160		9120029257	Pressure relief valve PA, 160/20	6 
PA + 175		9120029258	Pressure relief valve PA, 175/20	6 
PA + 190		9120029259	Pressure relief valve PA, 190/20	6 
PA + 210		9120029260	Pressure relief valve PA, 210/20	6 
PA + 230		9120029261	Pressure relief valve PA, 230/20	6 
PA + 250		9120029262	Pressure relief valve PA, 250/20	6 
PA + 280		9120029263	Pressure relief valve PA, 280/20	6 
PA + 300		9120029264	Pressure relief valve PA, 300/20	6 
PA + 320		9120029276	Pressure relief valve PA, 320/20	6 
PA + 330		9120029265	Pressure relief valve PA, 330/20	6 
PA + 350		9120029266	Pressure relief valve PA, 350/20	6 
PA + 360		9120029271	Pressure relief valve PA, 360/20	6 
PA + 380		9120029267	Pressure relief valve PA, 380/20	6 
PA + 400		9120029268	Pressure relief valve PA, 400/20	6 
PA	32, 34, 52, 54	6760193	O-ring kit	Not shown (Set of 5)
		–	Plug VSTI14x1.5EDCF	8
MF4	10	302000K004	Counter pressure valve MF4	13
X	10	–	Plug VSTI1EDCF	14

PC, EC, 12, 24, 0.9, 1.2, A01



See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
PC	27	302000K001	Spool cover kit PC, A-side	10, 11(6x), 12(2x)
EC	27	6760462	Spool cover kit EC, A-side	8(4x), 11(6x), 12(2x), 14, 17(2x)
EC	27	302000K061	Pilot Hose kit	17(2x), 20
12 + A	03 + 04	6763059	Solenoid valve PS25, 12 VDC, AMP	21(2x), 22
24 + A	03 + 04	6763060	Solenoid valve PS25, 24 VDC, AMP	21(2x), 22
		6760507	Seal kit for PS25	Not shown (Set of 5)
0.9	28A, 28B, 48A, 48B	398000K602	Restrictor Ø0.9	23(5x)
1.2	28A, 28B, 48A, 48B	398000K604	Restrictor Ø1.2	23(5x)
2.0	28A, 28B, 48A, 48B	398000K603	Restrictor Ø2.0	23(5x)
		302000K810	Seal kit	12(2x), (Page 8, 9, 10)
		–	Plug VST114x1.5EDCF	8
A01	14	–	Nipple 6M14F82EDMLOS	17

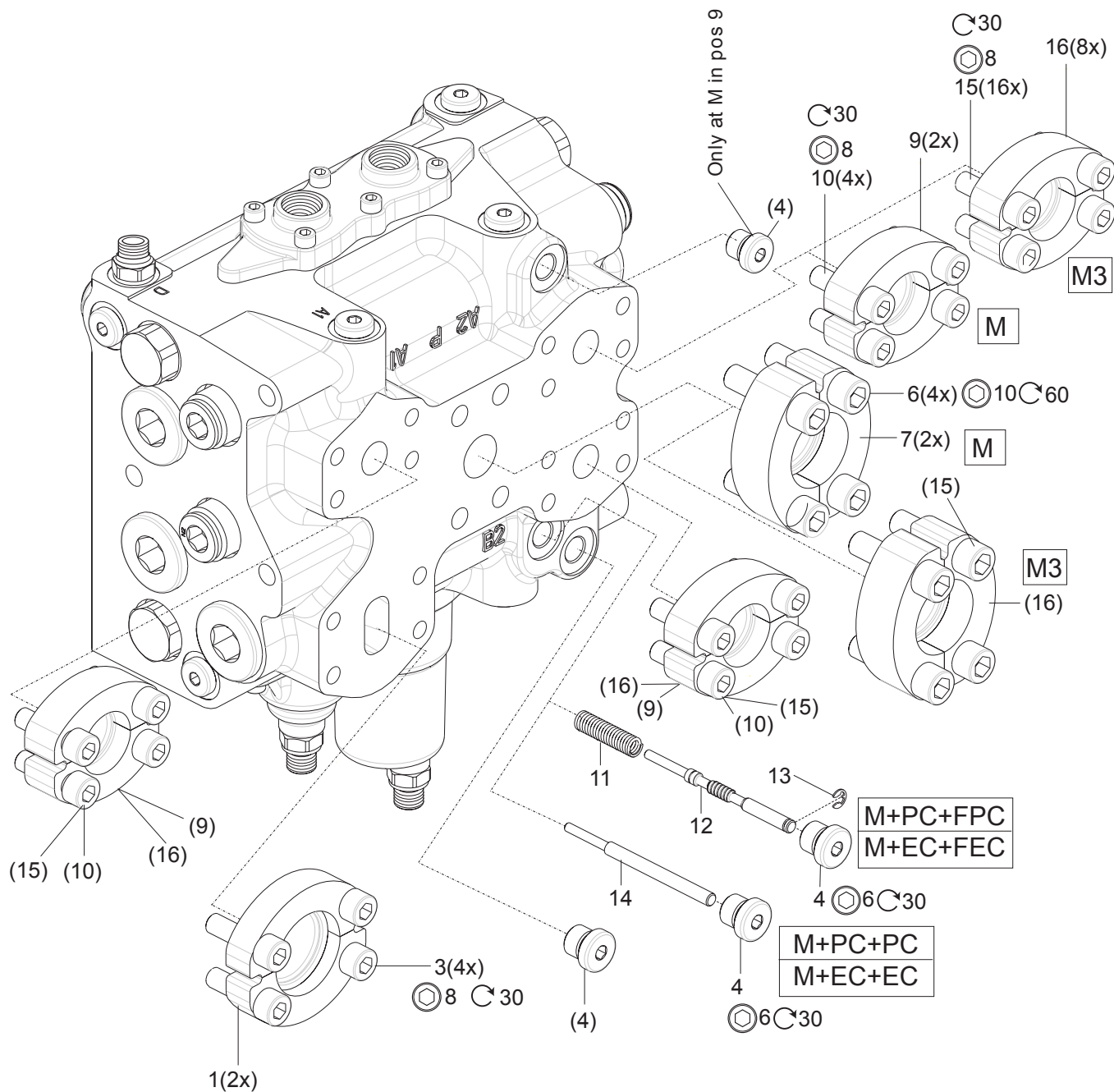
PC, FPC, EC, FEC, PA, PAY, N, N2, Y2, X2, X3, PR1,
A01, A03, A227



a) at EB in pos 41 and N in pos 13 is item 2 used.
b) at EA in pos 41 and N in pos 13 is item 2 used.

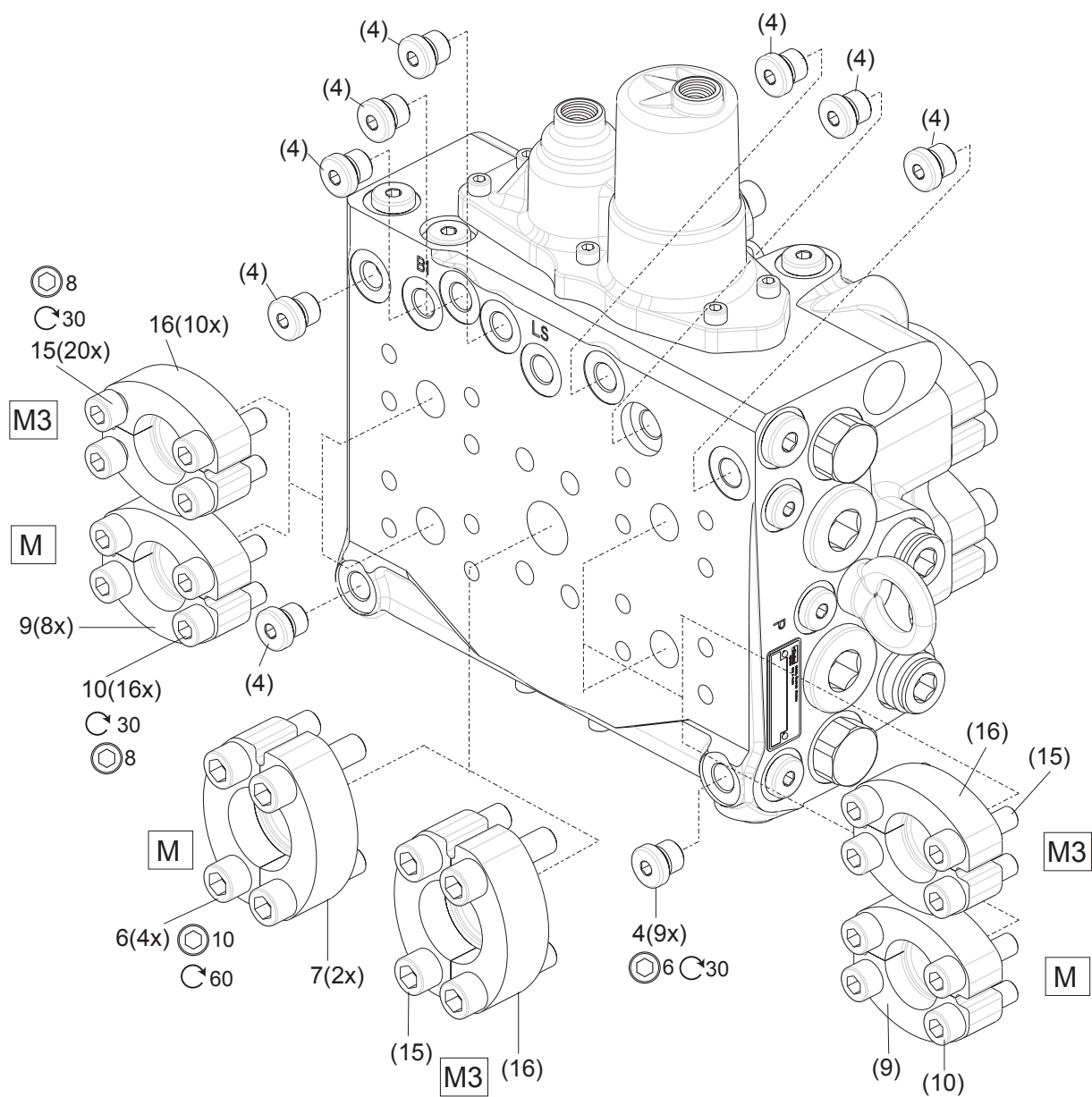
See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
N	13	6760624	Sequence valve Ø0.8 mm	1
N	13	302000K005	Check valve, N	16
X3	13	302000K055	Cavity plug, X3	2
X3	13	—	Plug VSTI1EDCF	15
N, X3	13	302000K805	Seal kit for items 1 and 2	Not shown
PAY + 80	32 + 33 or 34 + 35 or 52 + 53 or 54 + 55	6760643	Pressure relief valve PAY, 80/20	3 
PAY + 100		302000K033	Pressure relief valve PAY, 100/20	3 
PAY + 125		302000K034	Pressure relief valve PAY, 125/20	3 
PAY + 140		302000K035	Pressure relief valve PAY, 140/20	3 
PAY + 160		302000K036	Pressure relief valve PAY, 160/20	3 
PAY + 175		302000K037	Pressure relief valve PAY, 175/20	3 
PAY + 190		302000K038	Pressure relief valve PAY, 190/20	3 
PAY + 210		302000K039	Pressure relief valve PAY, 210/20	3 
PAY + 230		302000K040	Pressure relief valve PAY, 230/20	3 
PAY + 250		302000K041	Pressure relief valve PAY, 250/20	3 
PAY + 280		302000K042	Pressure relief valve PAY, 280/20	3 
PAY + 300		302000K043	Pressure relief valve PAY, 300/20	3 
PAY + 330		302000K044	Pressure relief valve PAY, 330/20	3 
PAY + 350		302000K045	Pressure relief valve PAY, 350/20	3 
PAY + 360		302000K046	Pressure relief valve PAY, 360/20	3 
PAY + 380		302000K047	Pressure relief valve PAY, 380/20	3 
PAY + 400		302000K048	Pressure relief valve PAY, 400/20	3 
PAY		6760193	O-ring kit	Not shown (Set of 5)
Y2, N2, PA, X2				4, 5, 6, 7 (See page 5)
PC + PC, EC + EC	27 + 47	302000K057	Spool actuator PC+PC, EC+EC, B-side	9, 10, 11(6x), 25
PC + FPC, EC + FEC	27 + 47	302000K002	Spool actuator PC+FPC, EC+FEC, B-side	9, 10, 11(6x), 24, 28
PC + FPC, EC + FEC	27 + 47	6763170	Sign 'WARNING'	28
FPC, FEC	47	302000K068	Rebuilt kit FPC/FEC to PC/EC	9, 10, 11(6x), 25; 4, 14 (page10)
"Standard"		6760092	Spring pack (6.5 - 16) bar	13
A227	14	6760644	Spring pack A227 (6.5 - 14) bar	13
PC, EC, FPC, FEC	27 + 47	302000K810	Seal kit	9, 10; 12(2x) (page 6)
PR1	16	397000K007	PRI0, LS Check valve	8, 20
PR1	16	6760076	Restrictor Ø0.6	14(5x)
A03	14	397001K100	Without PRI0 function	8, 26, 27
A01	14	—	Nipple 6M14F82EDMLOS	17
A01	14	—	Nipple 4M14F82EDMLOS	21
		—	Plug VSTI14x1.5EDCF	8
		—	Plug VSTI18x1.5EDCF	18
		302000K060	Shuttle valve	19

M, M3, PC, FPC, EC, FEC



See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
M, M3	09	302000K500	SAE - flange, 1 1/4", 3000 psi	1(2x), 3(4x)
M	09	302000K501	SAE - flange, 1", 6000 psi	6(4x), 7(2x)
M	09	302000K502	SAE - flange, 3/4", 6000 psi	9(2x), 10(4x)
M3	09	302000K503	SAE - flange, 1", 3000 psi	15(4x), 16(2x)
M + PC + FPC	09 + 27 + 47	302000K058	Sequence function kit	11, 12, 13
M + EC + FEC	09 + 27 + 47	302000K058	Sequence function kit	11, 12, 13
M + PC + PC	09 + 27 + 47	302000K059	Pin kit	14
M + EC + EC	09 + 27 + 47	302000K059	Pin kit	14
		—	Plug VSTI14x1.5EDCF	4
FPC, FEC	47	302000K068	Rebuilt kit FPC/FEC to PC/EC	4, 14; 9, 10, 11(6x), 25 (page 8)

M, M3



See Customer Specification				
Code	Pos	Part	Description	Remarks / Items
M	09	302000K501	SAE - flange, 1", 6000 psi	6(4x), 7(2x)
M	09	302000K502	SAE - flange, 3/4", 6000 psi	9(2x), 10(4x)
M3	09	302000K503	SAE - flange, 1", 3000 psi	15(4x), 16(2x)
		—	Plug VST114x1.5EDCF	4

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 .

[illegible]

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates, Dubai

Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt

Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt

Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku

Tel: +994 50 22 33 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles

Tel: +32 (0)67 280 900
parker.belgium@parker.com

BY – Belarus, Minsk

Tel: +375 17 209 9399
parker.belarus@parker.com

CH – Switzerland, Etoy

Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany

Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst

Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup

Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid

Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa

Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve

Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens

Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budaoers

Tel: +36 23 885 470
parker.hungary@parker.com

IE – Ireland, Dublin

Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)

Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty

Tel: +7 7273 561 000
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal

Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker

Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw

Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira

Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest

Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow

Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga

Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica

Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto

Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul

Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev

Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick

Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park

Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario

Tel: +1 905 693 3000

US – USA, Cleveland

(industrial)
Tel: +1 216 896 3000

US – USA, Elk Grove Village

(mobile)
Tel: +1 847 258 6200

Asia Pacific

AU – Australia, Castle Hill

Tel: +61 (0)2-9634 7777

CN – China, Shanghai

Tel: +86 21 2899 5000

HK – Hong Kong

Tel: +852 2428 8008

IN – India, Mumbai

Tel: +91 22 6513 7081-85

JP – Japan, Fujisawa

Tel: +81 (0)4 6635 3050

KR – South Korea, Seoul

Tel: +82 2 559 0400

MY – Malaysia, Shah Alam

Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington

Tel: +64 9 574 1744

SG – Singapore

Tel: +65 6887 6300

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Tel: +662 717 8140

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Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires

Tel: +54 3327 44 4129

BR – Brazil, Cachoeirinha RS

Tel: +55 51 3470 9144

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Tel: +56 2 623 1216

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