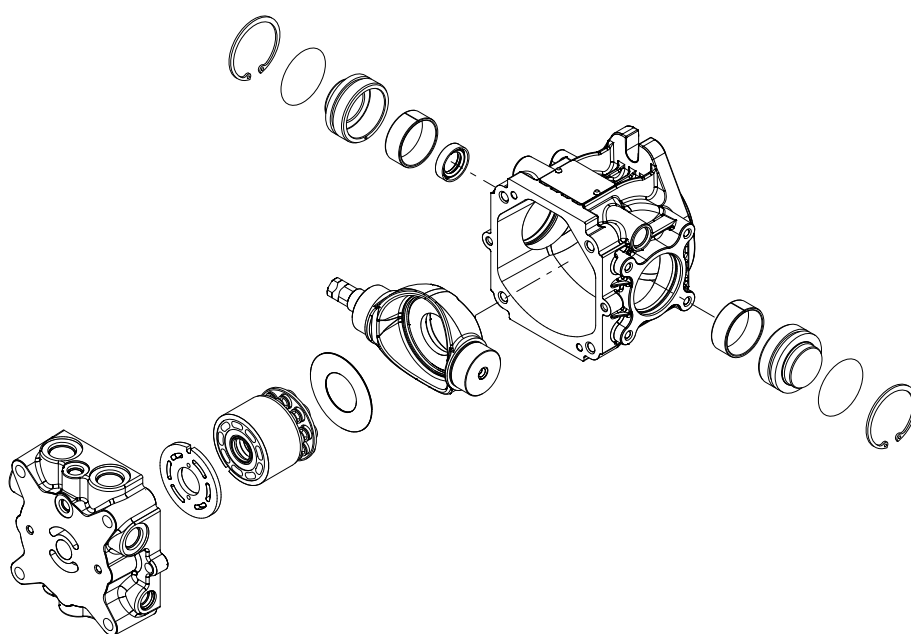


Parts Manual

DDC Axial Piston Pumps

Size 20/24



Revision history

Table of revisions

Date	Changed	Rev
September 2023	Added flat washer into NAM Detent (AN)	0509
May 2023	Updated parts number for Valve Plate	0508
March 2023	Updated charge pressure relief	0506
February 2023	Added LSB and RSB at Control Arm	0505
January 2023	Flange cover and seal changed on AAN9, AAN1, AAN3, ABN9, ABN1, ABN3 and AAC9	0504
March 2022	Added AN (Detent), Changed document number from 'AX00000134' to 'AX152886483058'	0503
July 2017	Updated to Engineering Tomorrow design	0302

Contents

General information

Service parts identification.....	4
Nameplate.....	4
Date code.....	5
About service bulletins.....	5
Procedure to identify a part.....	5
Regional part numbers.....	5
Adobe Acrobat 2-page viewing.....	6
Order code.....	7

Displacement, valve plate, control arm

Displacement.....	8
Valve Plate.....	9
Control Arm.....	9

Neutral assist mechanism

AN (Detent).....	11
------------------	----

Shaft

Shaft AA-BC.....	13
Shaft DA-DD.....	15

Loop flushing

Loop Flushing 2-3 and D.....	17
------------------------------	----

End cap

End Cap AAC9.....	19
End Cap AAN1.....	21
End Cap AAN3.....	23
End Cap AAN9.....	25
End Cap ABN1.....	27
End Cap ABN3.....	29
End Cap ABN9.....	31
End Cap ACA0 and ACD0.....	33
End Cap BCF0 and BCFN.....	35

Charge pump

Charge Pump 3-5 and B-C.....	37
Charge Pump D.....	39
Charge Pump E, F and G.....	41

Charge pressure relief

Charge Pressure Relief 5-21.....	43
----------------------------------	----

System protection

System Pressure Protection, 00N, 14A-30N.....	45
System Pressure Protection 32A-34N, 00N, 14A-25N.....	47
System Pressure Protection 28A-34N.....	49

Input flange

Input Flange A-E.....	51
Input Flange F-L.....	53

Overhaul seal kit

DDC20 Overhaul Seal Kit.....	55
------------------------------	----

General information

Service parts identification

The following information and procedure is used to identify the module group, item number, manufacture date, part number, and part name of the parts included in the .

The parts listed include all parts which may be used when performing either “Minor Repairs”, “Major Repairs” or “Conversions” on the DDC20.

Nameplate

Each unit will have a nameplate affixed to the housing. The nameplate of the DDC20 will include the following information:

Model code

The Danfoss model code completely defines the specific unit and must be used when ordering parts to service this product.

Model/material number

The Danfoss model number (also known as material number) is used by the factory in manufacturing. On repeat orders, a complete unit can be ordered by the model number.

Serial number

The Danfoss serial number is used to identify the manufacture date and the unit sequence in the build. The serial number is also used to identify the units warranty time period.

The letter code indicates the location of original manufacture (assembly).

The first number (2 digits) indicates the year of manufacture. The second number (2 digits) indicates the calendar week of manufacture.

The third number (5 digits) is a sequential number used to identify a specific unit.



General information

Date code

The date code is defined as the year and week of manufacture. The same item number may list more than one part number. This indicates that there is more than one configuration for that item number. You will see that there are different date codes for the different part numbers. Find the date code of your unit from the nameplate to determine which service part number you need to order.

Example: The service part desired is item G30

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
80	G30	89-17		8000243	End cap gasket	1
	G30		89-16	8000151	End cap gasket (SB-1995-006)	1

All units using this order code with a date code prior to 89-17 must use part number "8000151." All units with a date code of 89-17 and newer must use part number "8000243."

About service bulletins

A Service Bulletin Number (SB-____-____) may follow the "Part Name" of the part you desire. You must read that Service Bulletin prior to ordering that part. The information contained in these Service Bulletins, as of the print date of this bulletin, are included at the end of this manual. Service Bulletins contain more detailed information such as interchangeability, what additional parts are involved, etc. It is suggested that you add additional Service Bulletins to this manual as you receive them.

Procedure to identify a part

The modular design of this product results in a simplified service parts list and part number identification procedure.

The same item numbers are used for same part names on all units within a product type. A part number that has another number following it in parentheses is done to make this a world wide manual.

Regional part numbers

Some part numbers are region specific and should be ordered accordingly.

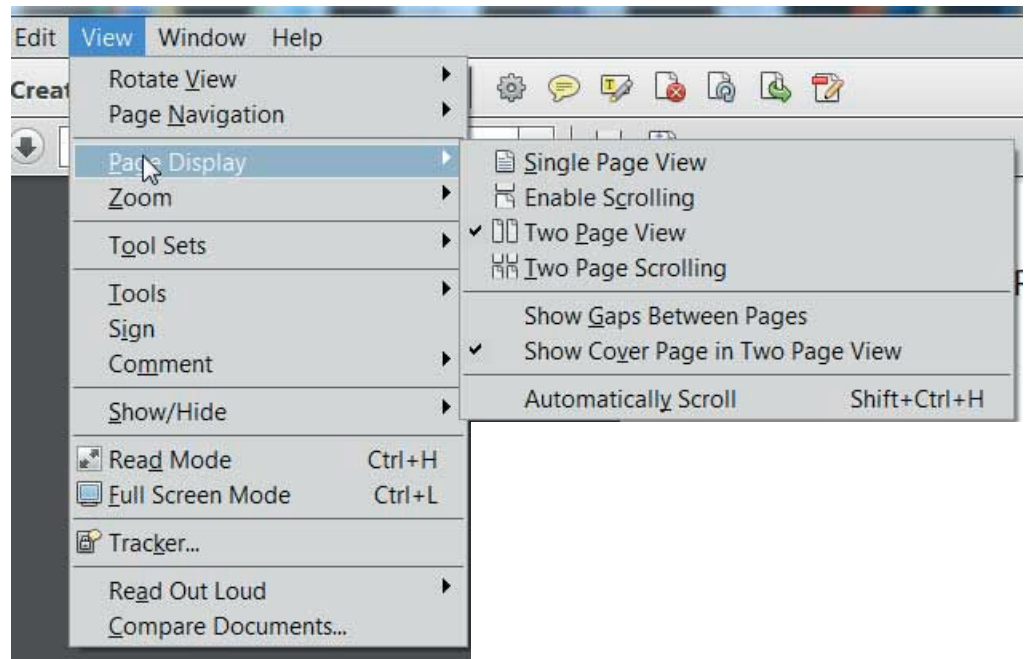
As an example, the part number (example: 314583 (9008000-0118)) will be used. The first number is sold in Germany. The number in parentheses is sold in the United States. Customers would order 9008000-0118 if ordering the part in the United States.

General information

Adobe Acrobat 2-page viewing

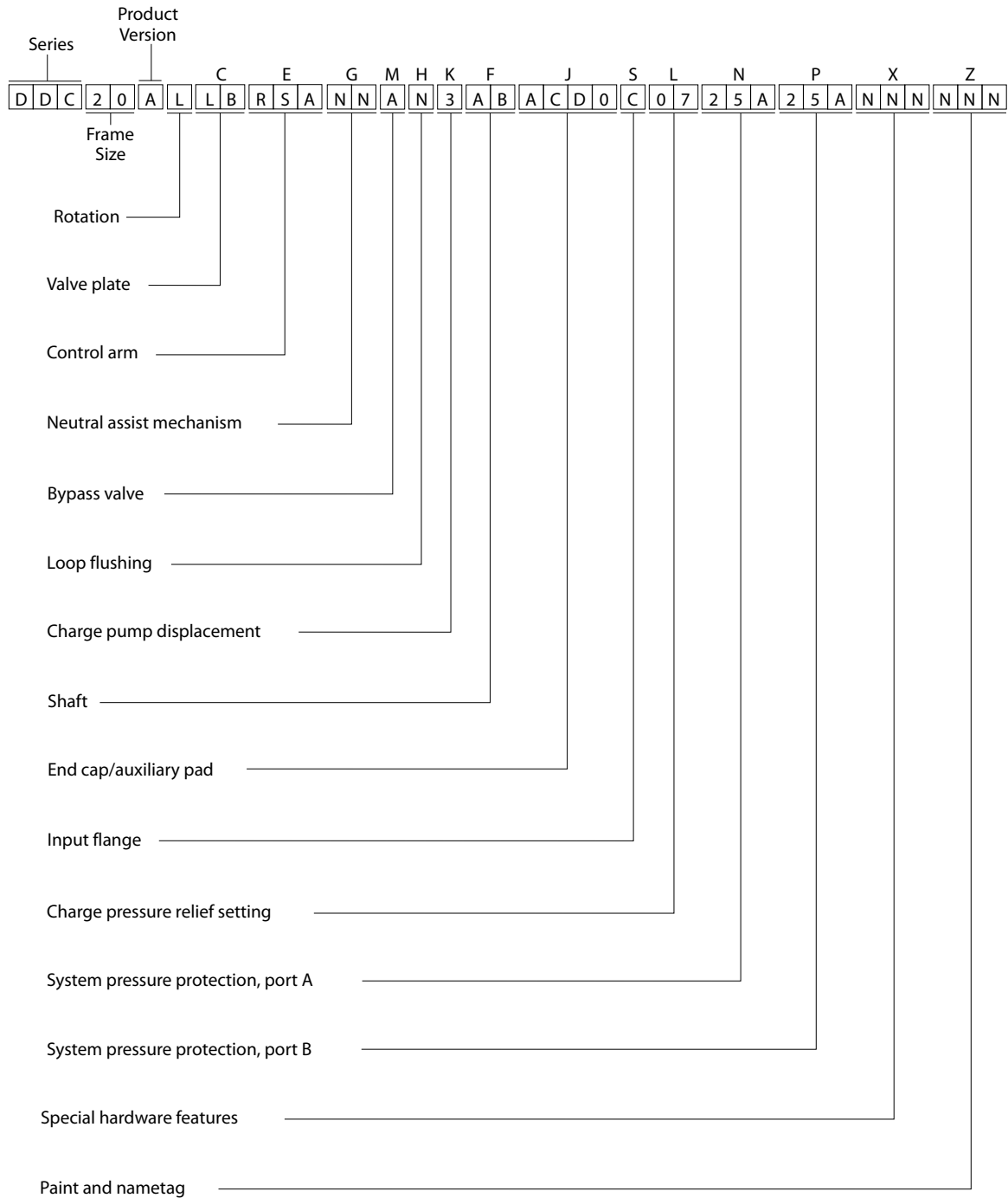
While viewing manual in Adobe Acrobat, the following settings need to be applied to ensure proper page display.

1. Select "View" → "Page Display" → "Two Page View"
2. Select "View" → "Page Display" → "Show Cover Page in Two Page View"



General information

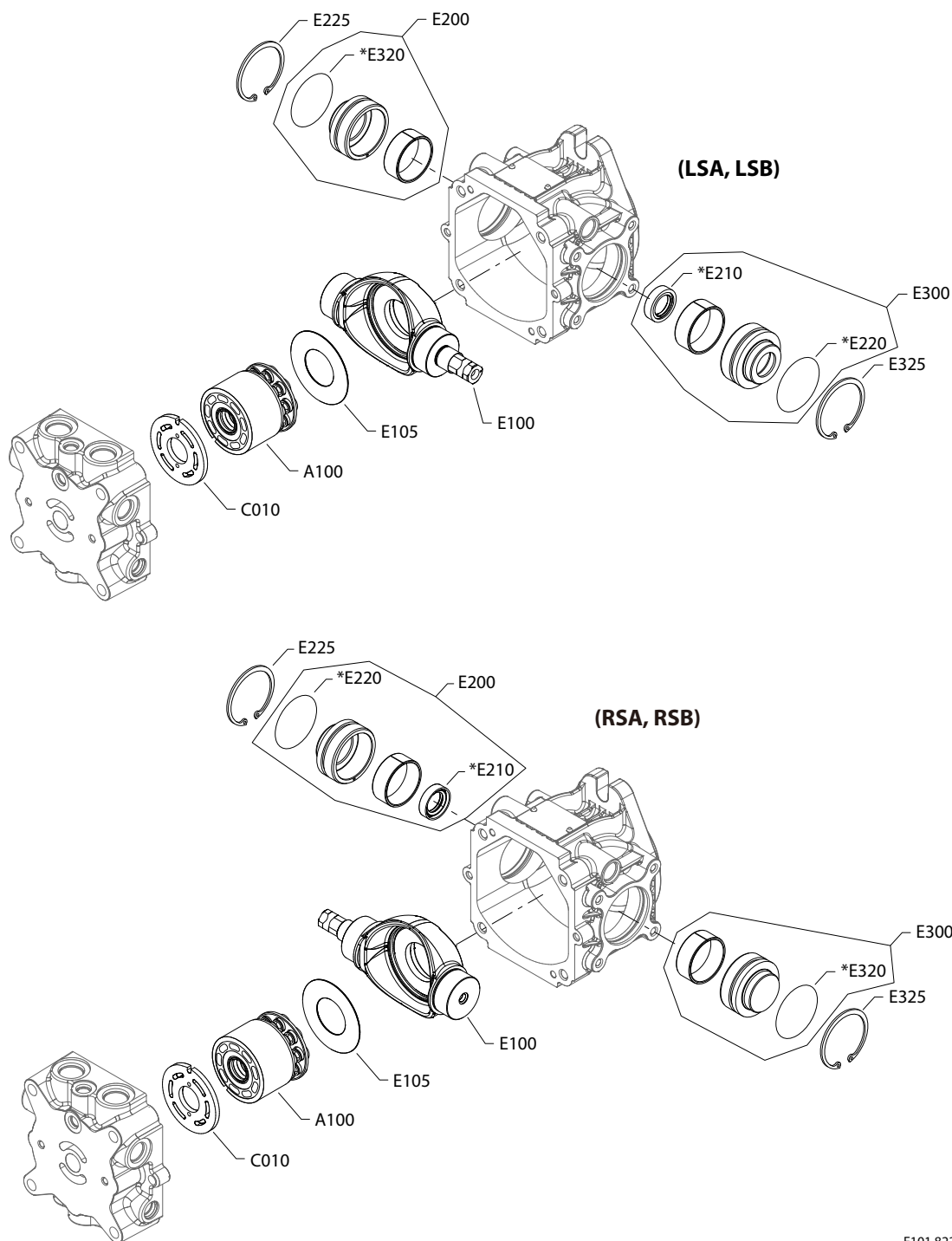
Order code



P108 588E

Displacement, valve plate, control arm

Displacement



E101 822E

* Included in overhaul seal kit Q210

Generic housing used to show part location only.

Displacement, valve plate, control arm

Order code: 20 parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
A100	11-34		11051773	Cylinder block kit (DDC20 only)	1
A100	19-25		11229017	Cylinder block kit (DDC24 only)	1

Valve Plate

Order code: LA parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
C010	11-34	23-22	11065497	Valve plate, CCW, low control moment	1
C010	23-22		11315351	Valve plate, CCW, low control moment	1

LB parts

C010	11-34	23-22	11087147	Valve plate, CCW, high neutral seeking	1
C010	23-22		11315576	Valve plate, CCW, high neutral seeking	1

RA parts

C010	11-34	23-22	11050370	Valve plate, CW, low control moment	1
C010	23-22		11256798	Valve plate, CW, low control moment	1

RB parts

C010	11-34	23-22	11091396	Valve plate, CW, high neutral seeking	1
C010	23-22		11315368	Valve plate, CW, high neutral seeking	1

Control Arm

Order code: LSA and RSA common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
E100	11-34		11230539	Swashplate, axial offset	1
E105	11-34		11050101	Thrust plate	1
E210	11-34		11050327	Lip seal	1
E220	11-34		9004104-1360	O-ring	1
E225	11-34		FBE056	Retaining ring	1
E320	11-34		9004104-1360	O-ring	1
E325	11-34		FBE056	Retaining ring	1

Order code: LSB and RSB common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
E100	20-51		11233033	Swashplate, axial offset, 13.7 deg	1
E105	20-51		11050101	Thrust plate	1
E210	20-51		11050327	Lip seal	1
E220	20-51		9004104-1360	O-ring	1

Displacement, valve plate, control arm

Order code: LSB and RSB common parts (continued)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
E225	20-51		FBE056	Retaining ring	1
E320	20-51		9004104-1360	O-ring	1
E325	20-51		FBE056	Retaining ring	1

LSA and LSB parts

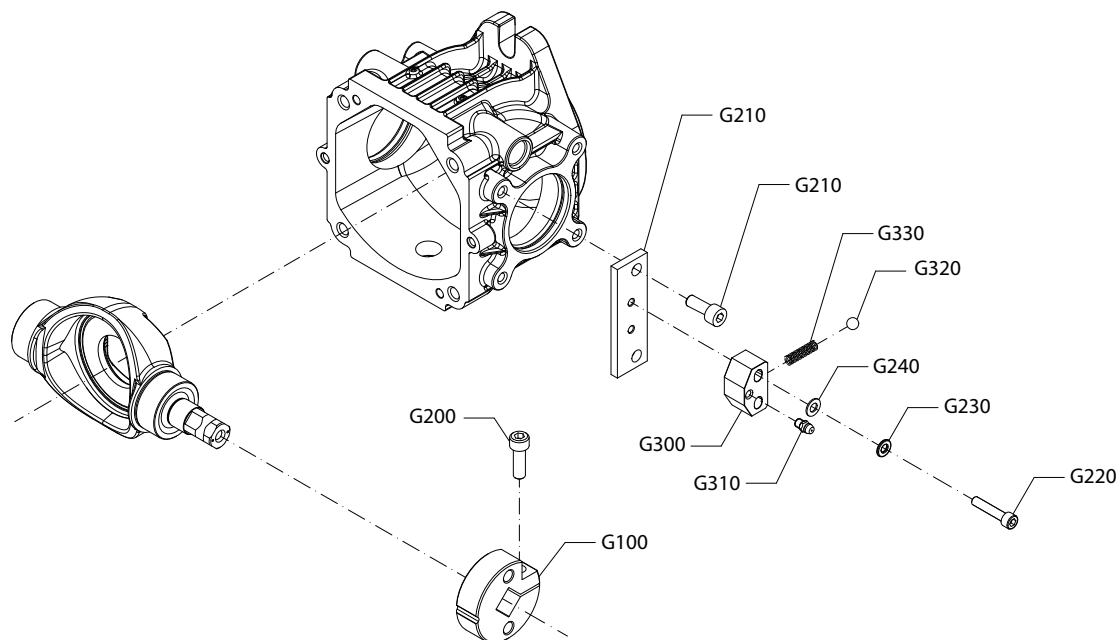
E200	11-34		11083526	Journal bearing carrier assembly	1
E300	11-34		11083525	Journal bearing carrier assembly	1

RSA and RSB parts

E200	11-34		11083525	Journal bearing carrier assembly	1
E300	11-34		11083526	Journal bearing carrier assembly	1

Neutral assist mechanism

AN (Detent)



P400750

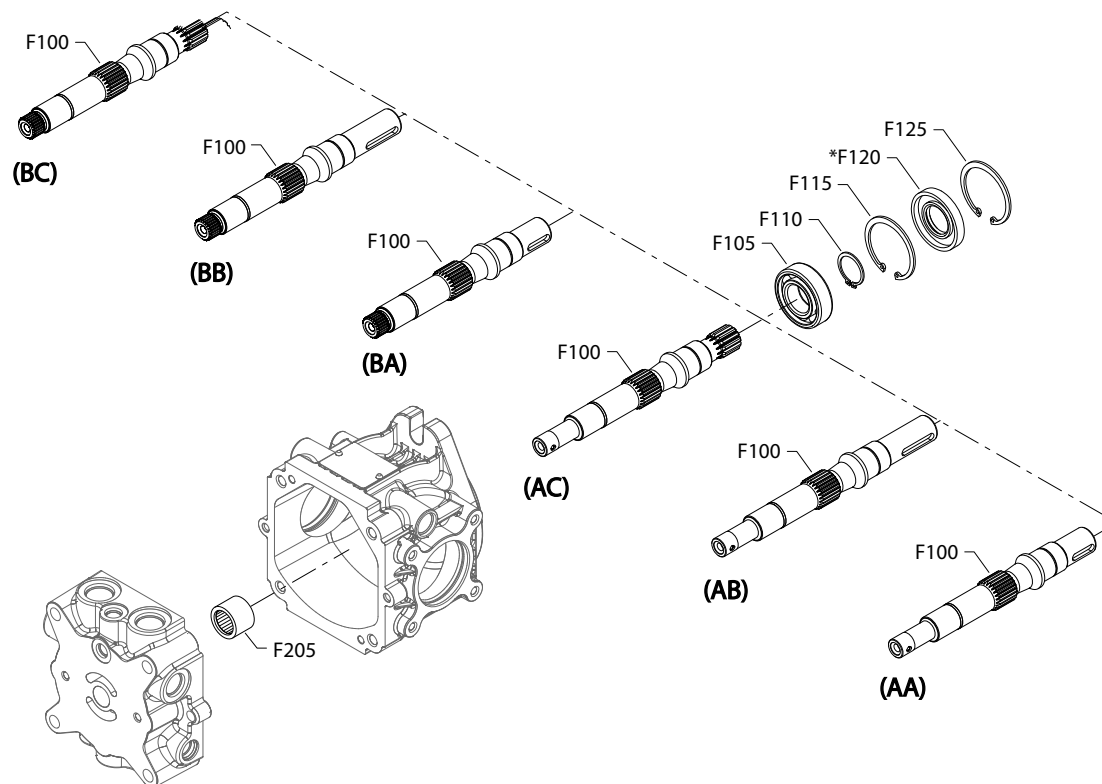
Neutral assist mechanism

Order code: AN (Detent)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G100	22-08		11247397	Lever-Detent, DDC	1
G150	22-08		11247398	Plate-Detent, DDC	1
G200	22-08		AAN0802501	Screw-Soc HD, M8x25 JIS B1176	1
G210	22-08		AAM0802001	Screw-Soc HD, M8x20 JIS B1176	2
G220	22-08		AAM0603001	Screw-Soc HD, M6x30 JIS B1176	2
G230	22-08		11050795	Spring Washer	2
G240	21-20		SPAM06	Flat Washer	2
G300	22-08		1040323	Spring Case	1
G310	22-08		B1575A-M6	Grease Nipple	1
G320	22-08		HKWS5	Steel Ball 5/16 JIS B1501	1
G330	22-08		1040324	Spring	1

Shaft

Shaft AA-BC



* Included in overhaul seal kit Q210

Shaft

Order code: all common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
F105	11-34 ¹		SP0984	Ball bearing	1
F110	11-34 ¹		FBD025	Retaining ring	1
F115	11-34 ¹		FBE052	Retaining ring	1
F120	11-34 ¹		11082827	Lip seal	1
F125	11-34 ¹		FBE052	Retaining ring	1
F205	11-34 ¹		11050329	Needle bearing	1

¹ Date Begin for order code BB is 14-45

AA parts

F100	11-34		11094869	Shaft, straight key (33mm)	1
------	-------	--	----------	----------------------------	---

AB parts

F100	11-34		11075897	Shaft, straight key (53mm)	1
------	-------	--	----------	----------------------------	---

AC parts

F100	11-34		11094870	Shaft, 13 tooth spline	1
------	-------	--	----------	------------------------	---

BA parts

F100	11-34		11095057	Shaft, straight key (33mm), auxiliary drive	1
------	-------	--	----------	---	---

BB parts

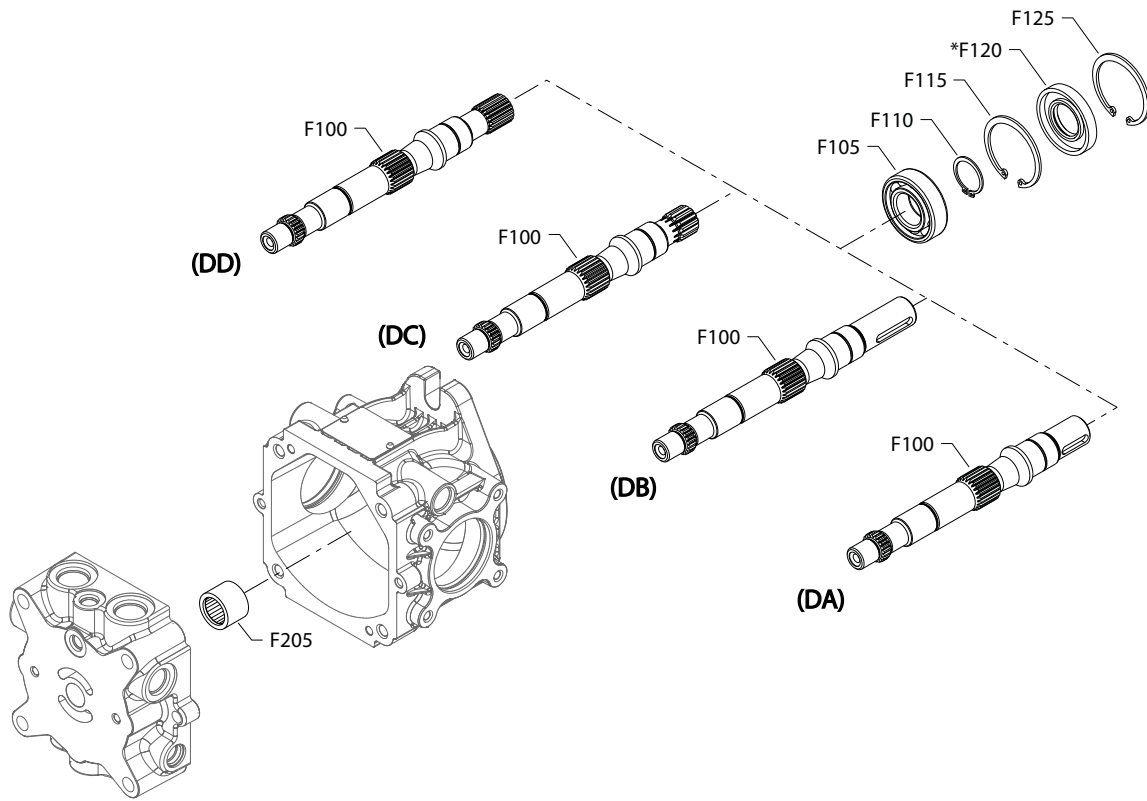
F100	14-45		11150105	Shaft, straight key (53mm), auxiliary drive	1
------	-------	--	----------	---	---

BC

F100	11-34		11096321	Shaft, 13 tooth spline, auxiliary drive	1
------	-------	--	----------	---	---

Shaft

Shaft DA-DD



E103 680

* Included in overhaul seal kit Q210

Shaft

Order code: all common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
F105	14-45		SP0984	Ball bearing	1
F110	14-45		FBD025	Retaining ring	1
F115	14-45		FBE052	Retaining ring	1
F120	14-45		11082827	Lip seal	1
F125	14-45		FBE052	Retaining ring	1
F205	14-45		11050329	Needle bearing	1

DA parts

F100	14-45		11154184	Shaft, straight key (33mm), auxiliary drive	1
------	-------	--	----------	---	---

DB parts

F100	14-45		11154183	Shaft, straight key (53mm), auxiliary drive	1
------	-------	--	----------	---	---

DC parts

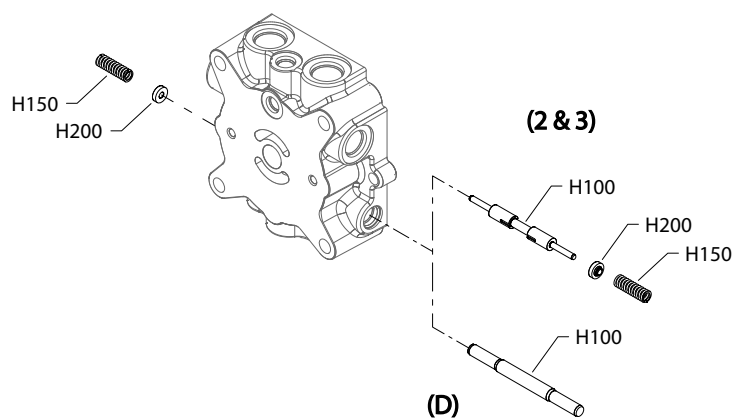
F100	14-45		11152845	Shaft, 13 tooth, auxiliary drive	1
------	-------	--	----------	----------------------------------	---

DD parts

F100	14-45		11152846	Shaft, 20 tooth, auxiliary drive	1
------	-------	--	----------	----------------------------------	---

Loop flushing

Loop Flushing 2-3 and D



E103 250E

* Included in overhaul seal kit Q210

Loop flushing

Order code: 2 parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
H100	11-34		11098179	Spool	1
H150	11-34		11097840	Spring	2
H200	11-34		1745296	Spring guide	2

3 parts

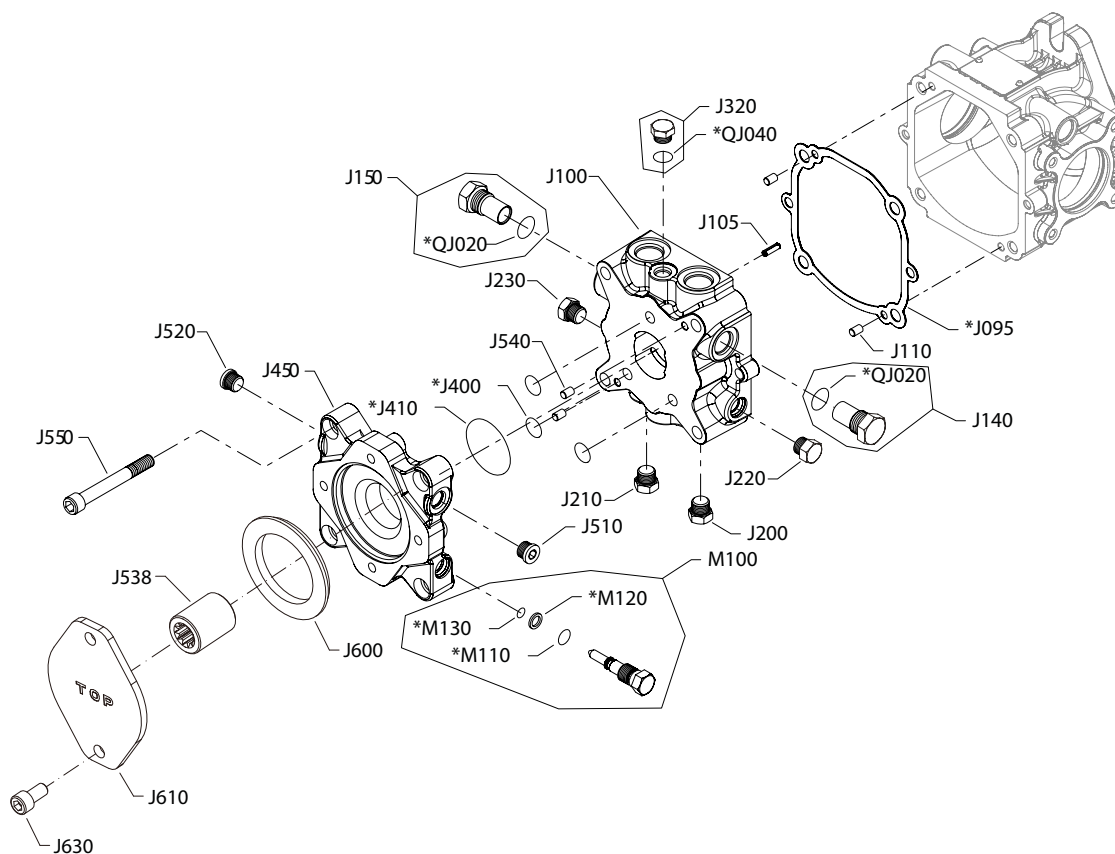
H100	15-36		11120528	Spool	1
H150	15-36		11097840	Spring	2
H200	15-36		1745296	Spring guide	2

D parts

H100	11-34		11098213	Spool, defeated	1
------	-------	--	----------	-----------------	---

End cap

End Cap AAC9



* Included in overhaul seal kit Q210

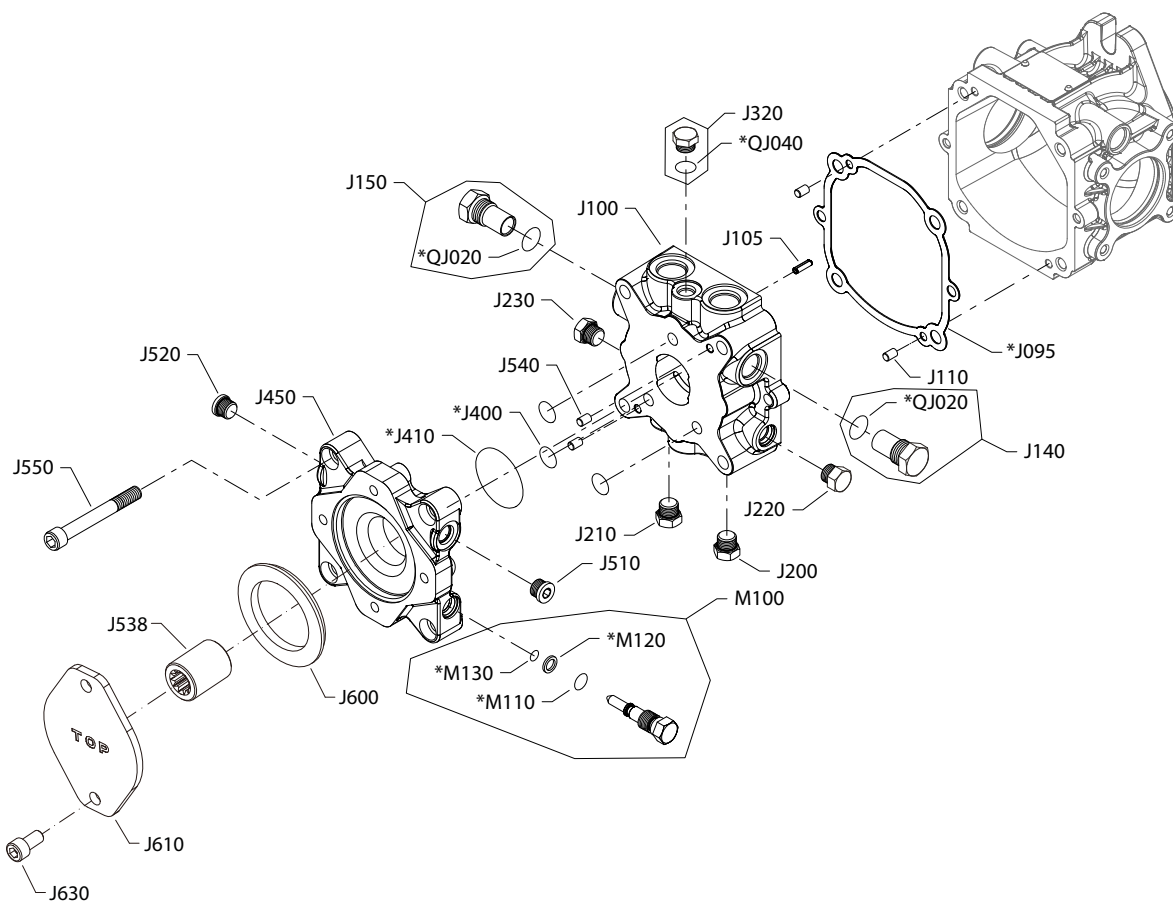
End cap

Order code: AAC9 parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	11-34		11082808	Gasket	1
J100	11-34		11100320	End cap	1
J105	11-34		9004700-1910	Slotted pin	1
J110	11-34		9004800-2506	Pin	2
J140	11-34		11080925	Plug assembly	1
J150	11-34		11080925	Plug assembly	1
J200	11-34		9005100-5600	Plug assembly	1
J210	11-34		9005100-5600	Plug assembly	1
J220	11-34		9005100-5600	Plug assembly	1
J230	11-34		9005100-5600	Plug assembly	1
J320	11-34		1030155-SA	Plug assembly	1
J400	11-34		9004105-0160	O-ring	3
J410	11-34		9004104-0320	O-ring	1
J450	11-34		11098094	Adapter, A pad	1
J510	11-34		9005110-5600	Plug assembly	1
J520	11-34		9005110-5600	Plug assembly	1
J535	11-34		FBE013	Retaining ring	1
J538	11-34		11102274	Coupling assembly, 9 tooth	1
J540	11-34		9004800-2506	Pin	2
J550	11-34		AAM1008001	Screw	4
J600	11-34	22-44	9004100-1520	O-ring	1
J600	22-44		4800482 (Danfoss) 1735473 (DSD)	Seal, A pad	1
J610	11-34	22-44	1040577	Flange cover	1
J610	22-44		4460586	Plate-cover	1
J630	11-34		AAM1002001	Screw	2
M100	11-34		11083527	Bypass valve assembly	1
M110	11-34		11106929	O-ring	1
M120	11-34		11076700	Back up ring	1
M130	11-34		KP4F007	O-ring	1
QJ020	11-34		9004201-5000	O-ring	2
QJ040	11-34		9004201-3100	O-ring	1

End cap

End Cap AAN1



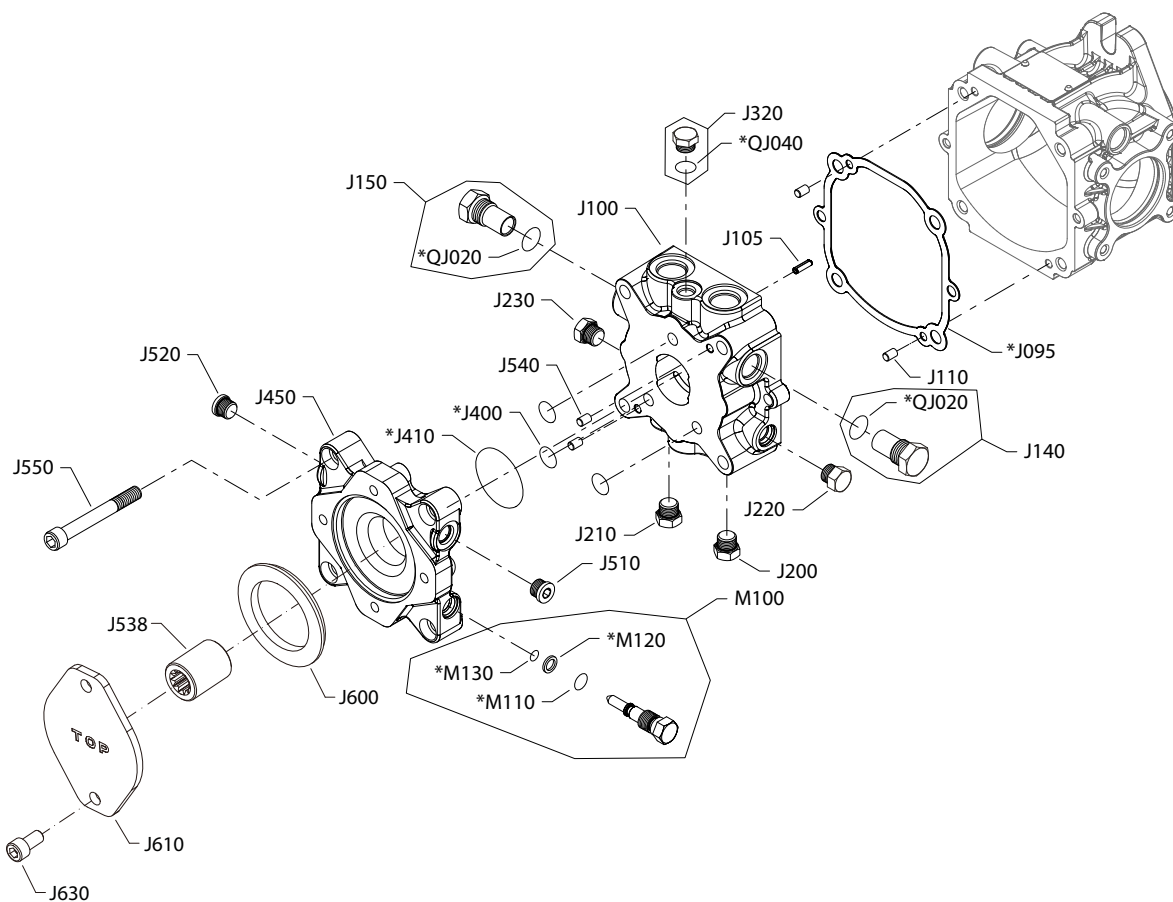
* Included in overhaul seal kit Q210

End cap

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	11-34		11082808	Gasket	1
J100	11-34		11098093	End cap	1
J105	11-34		9004700-1910	Slotted pin	1
J110	11-34		9004800-2506	Pin	2
J140	11-34		11080925	Plug assembly	1
J150	11-34		11080925	Plug assembly	1
J200	11-34		9005100-5600	Plug assembly	1
J210	11-34		9005100-5600	Plug assembly	1
J220	11-34		9005100-5600	Plug assembly	1
J230	11-34		9005100-5600	Plug assembly	1
J320	11-34		1030155-SA	Plug assembly	1
J400	11-34		9004105-0160	O-ring	3
J410	11-34		9004104-0320	O-ring	1
J450	11-34		11098094	Adapter, A pad	1
J510	11-34		9005110-5600	Plug assembly	1
J520	11-34		9005110-5600	Plug assembly	1
J538	11-34		11096305	Coupling, 11 tooth	1
J540	11-34		9004800-2506	Pin	2
J550	11-34		AAM1008001	Screw	4
J600	11-34	22-44	9004100-1520	O-ring	1
J600	22-44		4800482 (Danfoss) 1735473 (DSD)	Seal, A pad	1
J610	11-34	22-44	1040577	Flange cover	1
J610	22-44		4460586	Plate-cover	1
J630	11-34		AAM1002001	Screw	2
M100	11-34		11083527	Bypass valve assembly	1
M110	11-34		11106929	O-ring	1
M120	11-34		11076700	Back up ring	1
M130	11-34		KP4F007	O-ring	1
QJ020	11-34		9004201-5000	O-ring	2
QJ040	11-34		9004201-3100	O-ring	1

End cap

End Cap AAN3



* Included in overhaul seal kit Q210

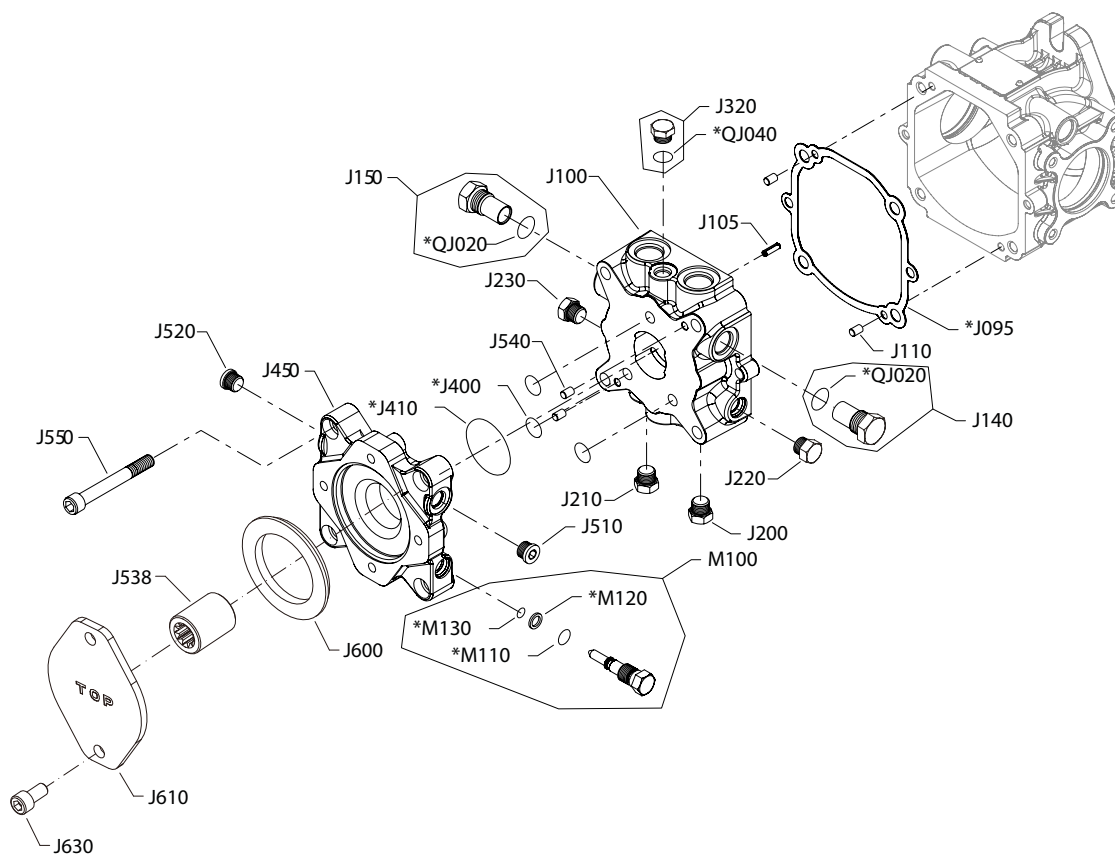
End cap

Order code: AAN3 parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	15-36		11082808	Gasket	1
J100	15-36		11098093	End cap	1
J105	15-36		9004700-1910	Slotted pin	1
J110	15-36		9004800-2506	Pin	2
J140	15-36		11080925	Plug assembly	1
J150	15-36		11080925	Plug assembly	1
J200	15-36		9005100-5600	Plug assembly	1
J210	15-36		9005100-5600	Plug assembly	1
J220	15-36		9005100-5600	Plug assembly	1
J230	15-36		9005100-5600	Plug assembly	1
J320	15-36		1030155-SA	Plug assembly	1
J400	15-36		9004105-0160	O-ring	3
J410	15-36		9004104-0320	O-ring	1
J450	15-36		11098094	Adapter, A pad	1
J510	15-36		9005110-5600	Plug assembly	1
J520	15-36		9005110-5600	Plug assembly	1
J538	15-36		11150108	Coupling, 13 tooth	1
J540	15-36		9004800-2506	Pin	2
J550	15-36		AAM1008001	Screw	4
J600	15-36	22-44	9004100-1520	O-ring	1
J600	22-44		4800482 (Danfoss) 1735473 (DSD)	Seal, A pad	1
J610	15-36	22-44	1040577	Flange cover	1
J610	22-44		4460586	Plate-cover	1
J630	15-36		AAM1002001	Screw	2
M100	15-36		11083527	Bypass valve assembly	1
M110	15-36		11106929	O-ring	1
M120	15-36		11076700	Back up ring	1
M130	15-36		KP4F007	O-ring	1
QJ020	15-36		9004201-5000	O-ring	2
QJ040	15-36		9004201-3100	O-ring	1

End cap

End Cap AAN9



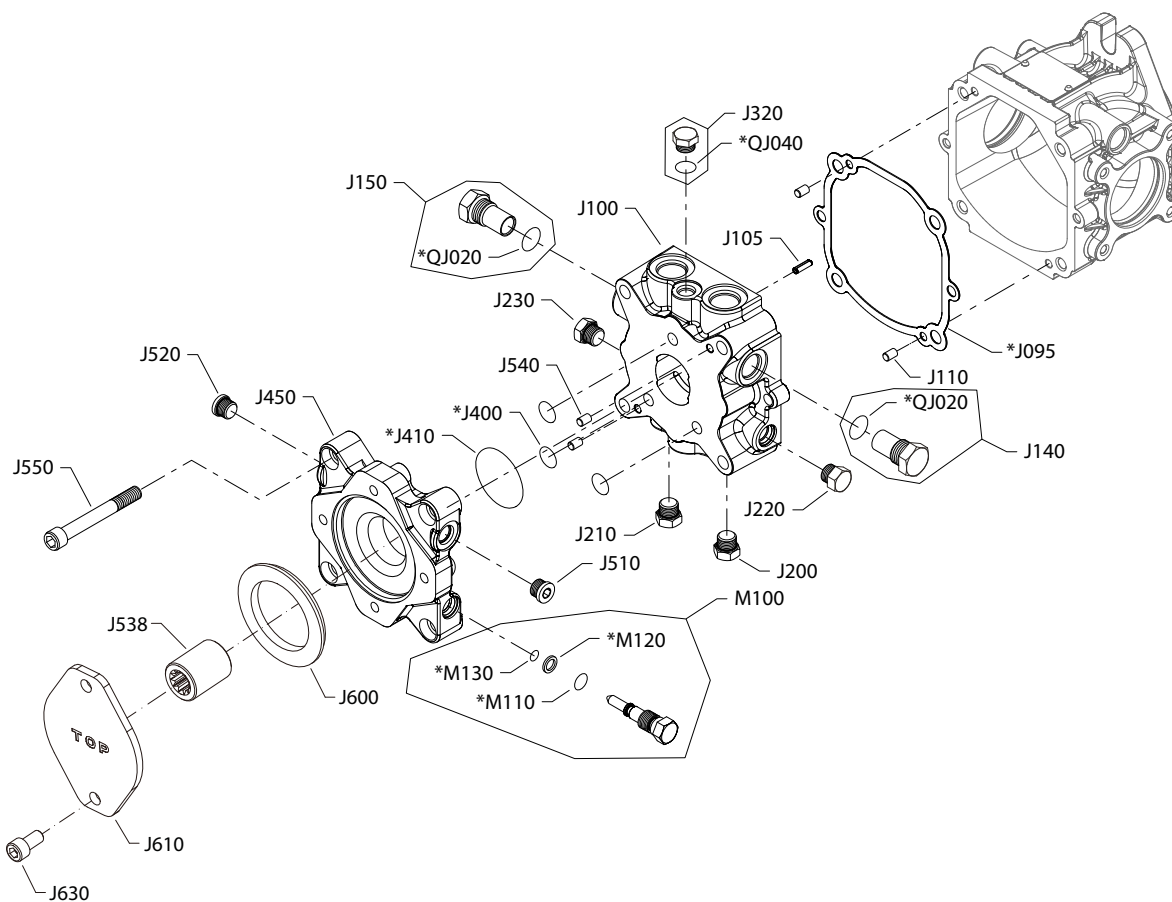
* Included in overhaul seal kit Q210

End cap

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	11-34		11082808	Gasket	1
J100	11-34		11098093	End cap	1
J105	11-34		9004700-1910	Slotted pin	1
J110	11-34		9004800-2506	Pin	2
J140	11-34		11080925	Plug assembly	1
J150	11-34		11080925	Plug assembly	1
J200	11-34		9005100-5600	Plug assembly	1
J210	11-34		9005100-5600	Plug assembly	1
J220	11-34		9005100-5600	Plug assembly	1
J230	11-34		9005100-5600	Plug assembly	1
J320	11-34		1030155-SA	Plug assembly	1
J400	11-34		9004105-0160	O-ring	3
J410	11-34		9004104-0320	O-ring	1
J450	11-34		11098094	Adapter, A pad	1
J510	11-34		9005110-5600	Plug assembly	1
J520	11-34		9005110-5600	Plug assembly	1
J535	11-34		FBE013	Retaining ring	1
J538	11-34		11102274	Coupling assembly, 9 tooth	1
J540	11-34		9004800-2506	Pin	2
J550	11-34		AAM1008001	Screw	4
J600	11-34	22-44	9004100-1520	O-ring	1
J600	22-44		4800482 (Danfoss) 1735473 (DSD)	Seal, A pad	1
J610	11-34	22-44	1040577	Flange cover	1
J610	22-44		4460586	Plate-cover	1
J630	11-34		AAM1002001	Screw	2
M100	11-34		11083527	Bypass valve assembly	1
M110	11-34		11106929	O-ring	1
M120	11-34		11076700	Back up ring	1
M130	11-34		KP4F007	O-ring	1
QJ020	11-34		9004201-5000	O-ring	2
QJ040	11-34		9004201-3100	O-ring	1

End cap

End Cap ABN1



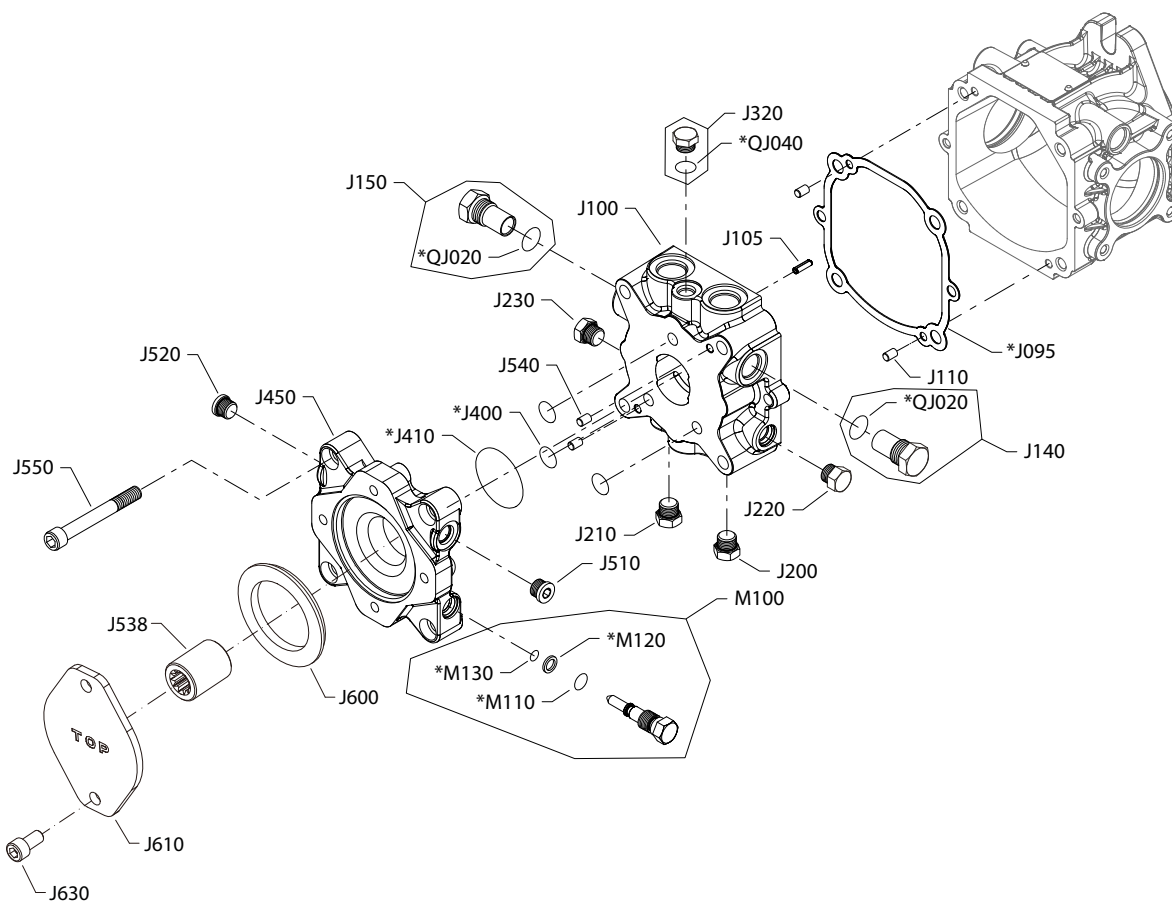
* Included in overhaul seal kit Q210

End cap

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	11-34		11082808	Gasket	1
J100	15-36		11098093	End cap	1
J105	11-34		9004700-1910	Slotted pin	1
J110	11-34		9004800-2506	Pin	2
J140	11-34		11080925	Plug assembly	1
J150	11-34		11080925	Plug assembly	1
J200	11-34		9005100-5600	Plug assembly	1
J210	11-34		9005100-5600	Plug assembly	1
J220	11-34		9005100-5600	Plug assembly	1
J230	11-34		9005100-5600	Plug assembly	1
J320	11-34		1030155-SA	Plug assembly	1
J400	11-34		9004105-0160	O-ring	3
J410	11-34		9004104-0320	O-ring	1
J450	11-34		11098094	Adapter, A pad	1
J510	11-34		9005110-5600	Plug assembly	1
J520	11-34		9005110-5600	Plug assembly	1
J538	15-36		11096305	Coupling, 11 tooth	1
J540	11-34		9004800-2506	Pin	2
J550	11-34		AAM1008001	Screw	4
J600	11-34	22-44	9004100-1520	O-ring	1
J600	22-44		4800482 (Danfoss) 1735473 (DSD)	Seal, A pad	1
J610	11-34	22-44	1040577	Flange cover	1
J610	22-44		4460586	Plate-cover	1
J630	11-34		AAM1002001	Screw	2
M100	11-34		11083527	Bypass valve assembly	1
M110	11-34		11106929	O-ring	1
M120	11-34		11076700	Back up ring	1
M130	11-34		KP4F007	O-ring	1
QJ020	11-34		9004201-5000	O-ring	2
QJ040	11-34		9004201-3100	O-ring	1

End cap

End Cap ABN3



* Included in overhaul seal kit Q210

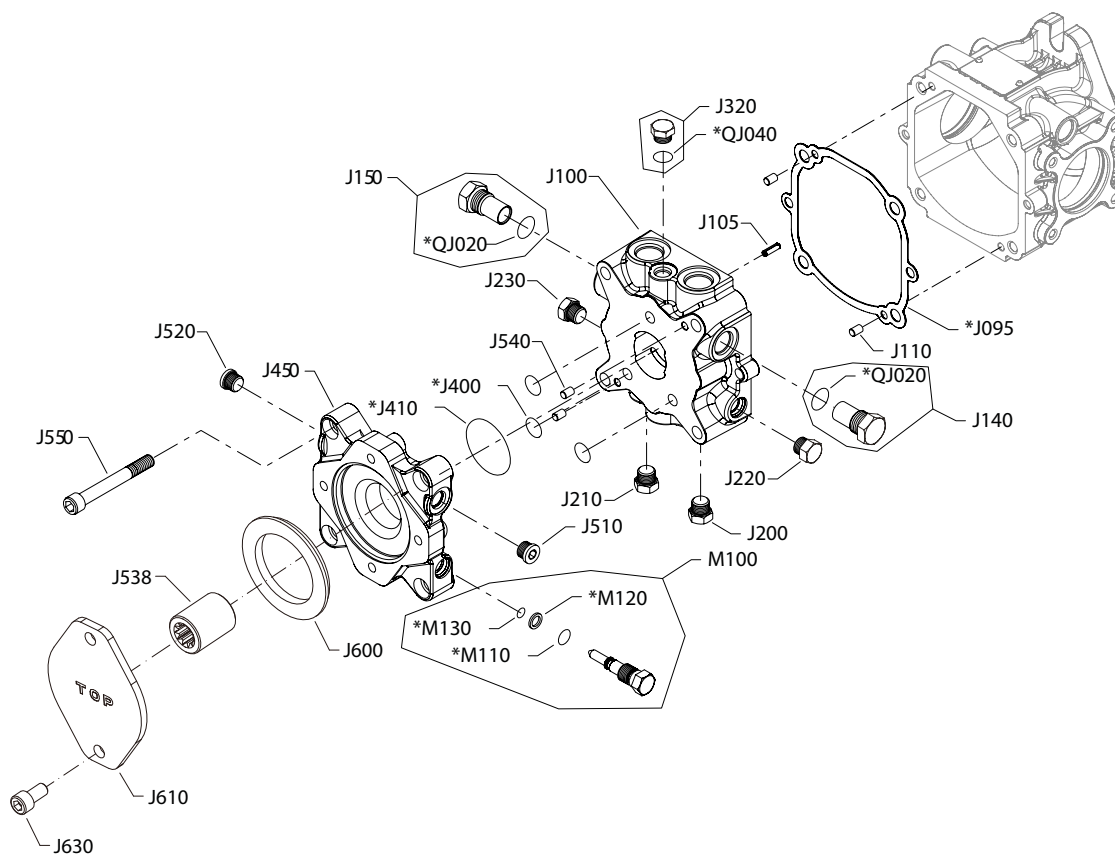
End cap

Order code: ABN3 parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	15-36		11082808	Gasket	1
J100	15-36		11098093	End cap	1
J105	15-36		9004700-1910	Slotted pin	1
J110	15-36		9004800-2506	Pin	2
J140	15-36		11080925	Plug assembly	1
J150	15-36		11080925	Plug assembly	1
J200	15-36		9005100-5600	Plug assembly	1
J210	15-36		9005100-5600	Plug assembly	1
J220	15-36		9005100-5600	Plug assembly	1
J230	15-36		9005100-5600	Plug assembly	1
J320	15-36		1030155-SA	Plug assembly	1
J400	15-36		9004105-0160	O-ring	3
J410	15-36		9004104-0320	O-ring	1
J450	15-36		11098094	Adapter, A pad	1
J510	15-36		9005110-5600	Plug assembly	1
J520	15-36		9005110-5600	Plug assembly	1
J538	15-36		11150108	Coupling, 13 tooth	1
J540	15-36		9004800-2506	Pin	2
J550	15-36		AAM1008001	Screw	4
J600	15-36	22-44	9004100-1520	O-ring	1
J600	22-44		4800482 (Danfoss) 1735473 (DSD)	Seal, A pad	1
J610	15-36	22-44	1040577	Flange cover	1
J610	22-44		4460586	Plate-cover	1
J630	15-36		AAM1002001	Screw	2
M100	15-36		11083527	Bypass valve assembly	1
M110	15-36		11106929	O-ring	1
M120	15-36		11076700	Back up ring	1
M130	15-36		KP4F007	O-ring	1
QJ020	15-36		9004201-5000	O-ring	2
QJ040	15-36		9004201-3100	O-ring	1

End cap

End Cap ABN9



* Included in overhaul seal kit Q210

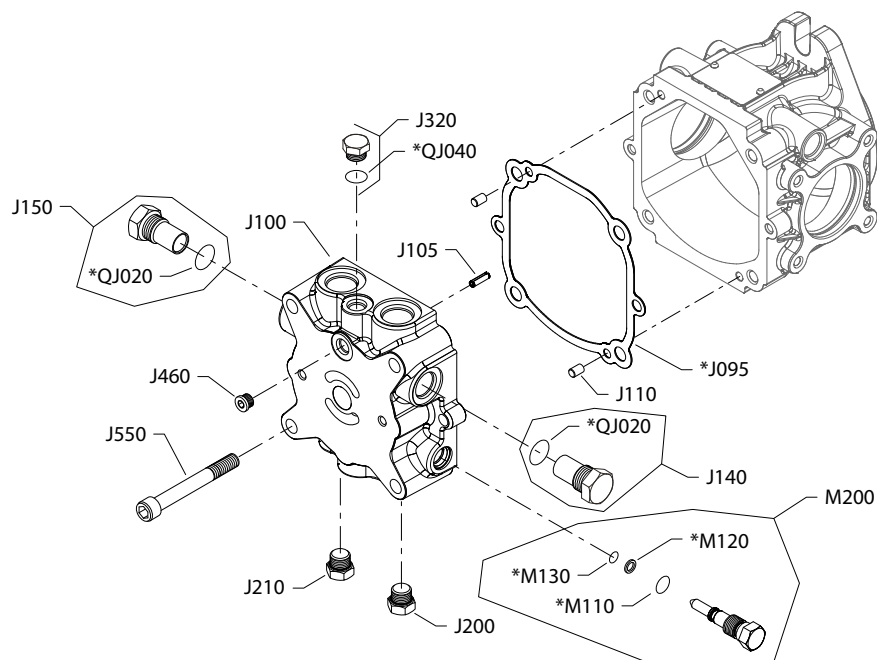
End cap

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	11-34		11082808	Gasket	1
J100	11-34		11098093	End cap	1
J105	11-34		9004700-1910	Slotted pin	1
J110	11-34		9004800-2506	Pin	2
J140	11-34		11080925	Plug assembly	1
J150	11-34		11080925	Plug assembly	1
J200	11-34		9005100-5600	Plug assembly	1
J210	11-34		9005100-5600	Plug assembly	1
J220	11-34		9005100-5600	Plug assembly	1
J230	11-34		9005100-5600	Plug assembly	1
J320	11-34		1030155-SA	Plug assembly	1
J400	11-34		9004105-0160	O-ring	3
J410	11-34		9004104-0320	O-ring	1
J450	11-34		11098094	Adapter, A pad	1
J510	11-34		9005110-5600	Plug assembly	1
J520	11-34		9005110-5600	Plug assembly	1
J535	11-34		FBE013	Retaining ring	1
J538	11-34		11102274	Coupling assembly, 9 tooth	1
J540	11-34		9004800-2506	Pin	2
J550	11-34		AAM1008001	Screw	4
J600	11-34	22-44	9004100-1520	O-ring	1
J600	22-44		4800482 (Danfoss) 1735473 (DSD)	Seal, A pad	1
J610	11-34	22-44	1040577	Flange cover	1
J610	22-44		4460586	Plate-cover	1
J630	11-34		AAM1002001	Screw	2
M100	11-34		11083527	Bypass valve assembly	1
M110	11-34		11106929	O-ring	1
M120	11-34		11076700	Back up ring	1
M130	11-34		KP4F007	O-ring	1
QJ020	11-34		9004201-5000	O-ring	2
QJ040	11-34		9004201-3100	O-ring	1

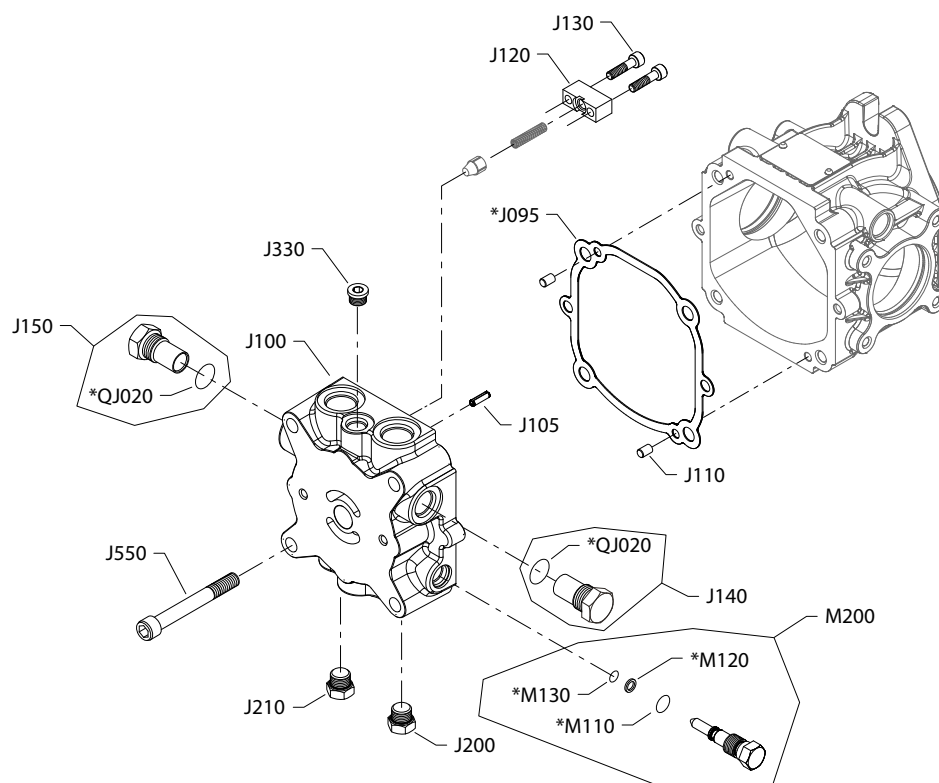
End cap

End Cap ACA0 and ACD0

ACA0



ACD0



End cap

Order code: ACA0 and ACD0 common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	11-34		11082808	Gasket	1
J105	11-34		9004700-1910	Slotted pin	1
J110	11-34		9004800-2506	Pin	2
J140	11-34		11080925	Plug assembly	1
J150	11-34		11080925	Plug assembly	1
J200	11-34		9005100-5600	Plug assembly	1
J210	11-34		9005100-5600	Plug assembly	1
J550	11-34		AAM1006501	Screw	4
M110	11-34		11106929	O-ring	1
M120	11-34		11076700	Back up ring	1
M130	11-34		KP4F007	O-ring	1
M200	11-34		11083527	Bypass valve assembly	1
QJ020	11-34		9004201-5000	O-ring	2

ACA0 parts

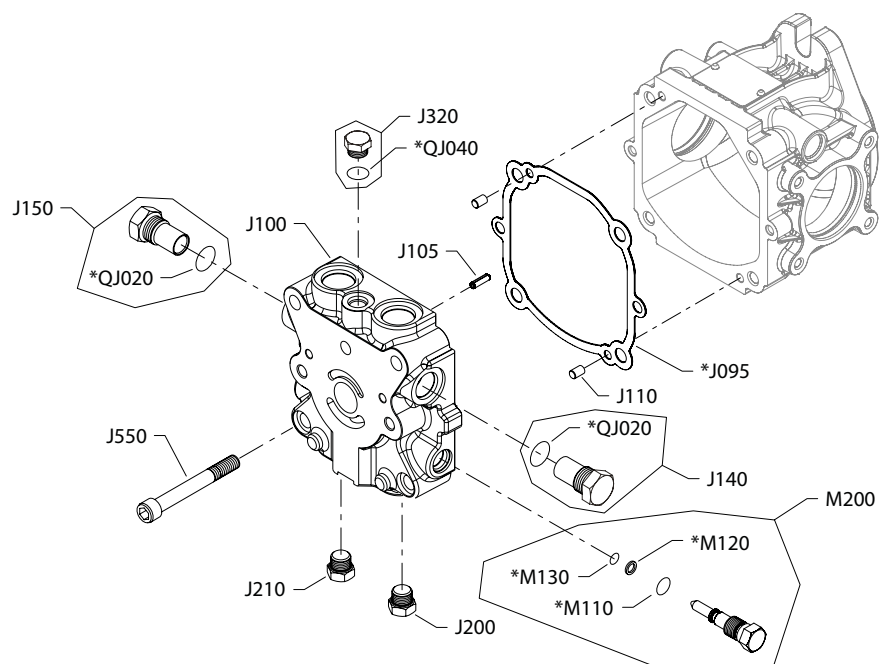
J100	11-34		11094893	End cap	1
J320	11-34		1030155-SA	Plug assembly	1
J460	11-34		9005110-4400	Plug assembly	1

ACD0 parts

J100	11-34		11080511	End cap	1
J120	11-34		11050246	Spring guide	1
J130	11-34		AAM0602501	Screw	2
J330	11-34		9005110-5600	Plug assembly	1

End cap

End Cap BCF0 and BCFN



* Included in overhaul seal kit Q210

End cap

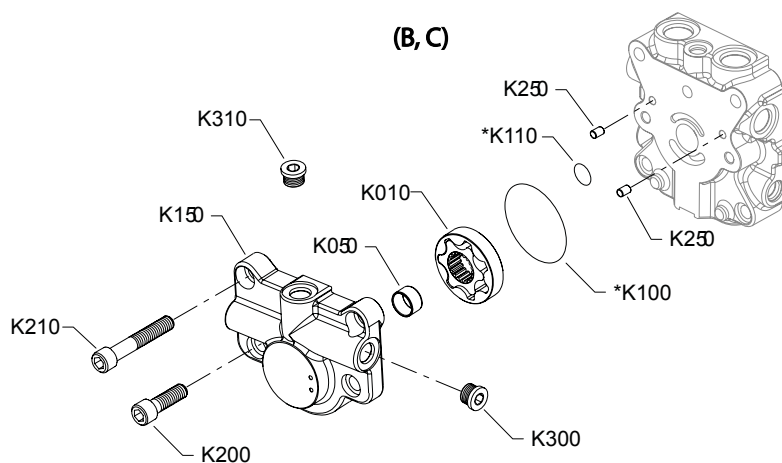
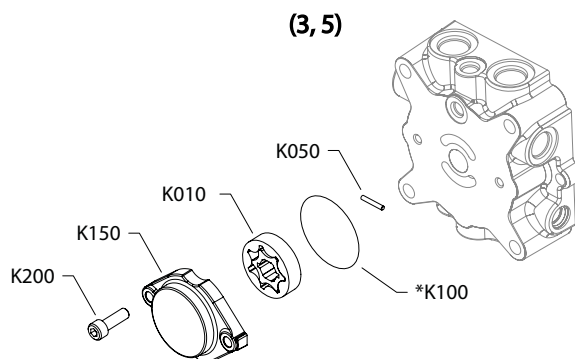
Order code: BCF0 and BCFN common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J095	14-45		11082808	Gasket	1
J100	14-45		11152853	End cap	1
J105	14-45		9004700-1910	Slotted pin	1
J110	14-45		9004800-2506	Pin	2
J140	14-45		11080925	Plug assembly	1
J150	14-45		11080925	Plug assembly	1
J200	14-45		9005100-5600	Plug assembly	1
J210	14-45		9005100-5600	Plug assembly	1
J320	14-45		1030155-SA	Plug assembly	1
J550	14-45		AAM1004501	Screw	2
M200	14-45		11083527	Bypass valve assembly	1
M110	14-45		11106929	O-ring	1
M120	14-45		11076700	Back up ring	1
M130	14-45		KP4F007	O-ring	1
QJ020	14-45		9004201-5000	O-ring	2
QJ040	14-45		9004201-3100	O-ring	1

Charge pump

Charge Pump 3-5 and B-C

Parts configuration



* Included in overhaul seal kit Q210

Charge pump

Order code: 3 parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
K010	11-34		3102504	Gerotor assembly, 3.1cc	1
K050	11-34		9004800-1213	Pin	1
K100	17-36		9004104-0340	O-ring	1
K100	11-34	17-36	KG1A055	O-ring	1
K150	17-36		11180712	Charge pump housing	1
K150	11-34	17-36	11083642	Charge pump housing	1
K200	11-34		AAM0802501	Screw	2

5 parts

K010	11-34		3102214	Gerotor assembly, 4.8cc	1
K050	11-34		9004800-1213	Pin	1
K100	17-16		9004104-0340	O-ring	1
K100	11-34	17-16	KG1A055	O-ring	1
K150	17-16		11180714	Charge pump housing	1
K150	11-34	17-16	11083723	Charge pump housing	1
K200	11-34		AAM0802501	Screw	2

B parts

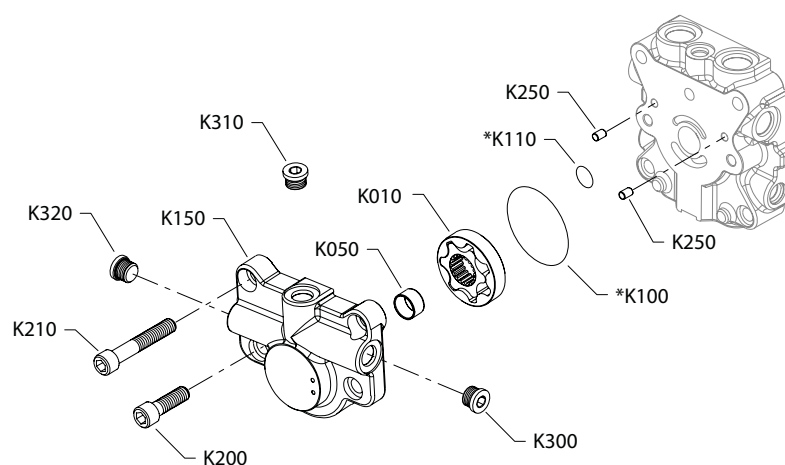
K010	14-45		11152848	Gerotor assembly, 7.5cc	1
K050	14-45		11152849	Journal bearing	1
K100	14-45		9004104-0360	O-ring	1
K110	14-45		9004105-0160	O-ring	1
K150	14-45		11155557	Charge pump housing	1
K200	14-45		AAM1003001	Screw	2
K210	14-45		AAM1006501	Screw	2
K250	14-45		9004800-2506	Pin	2
K300	14-45		9005110-5600	Plug assembly	1
K310	14-45		9005110-5600	Plug assembly	1

C parts

K010	14-45		11152848	Gerotor assembly, 7.5cc	1
K050	14-45		11152849	Journal bearing	1
K100	14-45		9004104-0360	O-ring	1
K110	14-45		9004105-0160	O-ring	1
K150	14-45		11155559	Charge pump housing	1
K200	14-45		AAM1003001	Screw	2
K210	14-45		AAM1006501	Screw	2
K250	14-45		9004800-2506	Pin	2
K300	14-45		9005110-5600	Plug assembly	1
K310	14-45		9005110-5600	Plug assembly	1

Charge pump

Charge Pump D



* Included in overhaul seal kit Q210

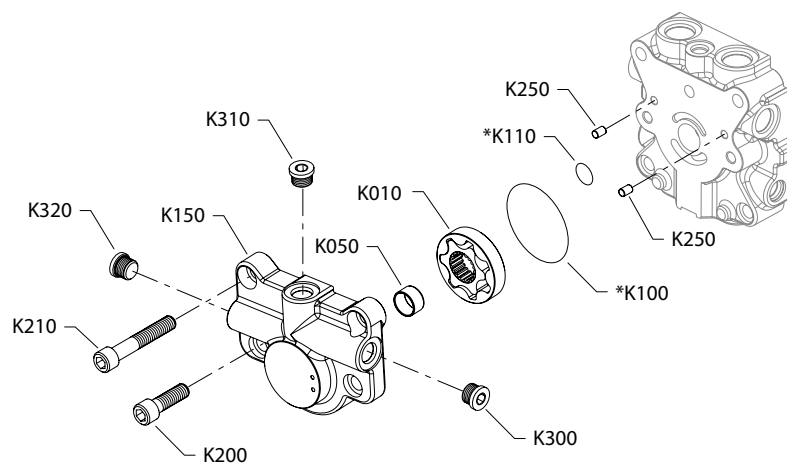
Charge pump

D parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
K010	14-45		11152847	Gerotor assembly, 5.4cc	1
K050	14-45		11152849	Journal bearing	1
K100	14-45		9004104-0360	O-ring	1
K110	14-45		9004105-0160	O-ring	1
K150	14-45		11153543	Charge pump housing	1
K200	14-45		AAM1003001	Screw	2
K210	14-45		AAM1006501	Screw	2
K250	14-45		9004800-2506	Pin	2
K300	14-45		9005110-5600	Plug assembly	1
K310	14-45		9005110-5600	Plug assembly	1
K320	14-45		9005110-5600	Plug assembly	1

Charge pump

Charge Pump E, F and G



* Included in overhaul seal kit Q210

Charge pump

Order code: E-G common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
K050	14-45		11152849	Journal bearing	1
K100	14-45		9004104-0360	O-ring	1
K110	14-45		9004105-0160	O-ring	1
K200	14-45		AAM1003001	Screw	2
K210	14-45		AAM1006501	Screw	2
K250	14-45		9004800-2506	Pin	2
K300	14-45		9005110-5600	Plug assembly	1
K310	14-45		9005110-5600	Plug assembly	1
K320	14-45		9005110-5600	Plug assembly	1

E parts

K010	14-45		11152847	Gerotor assembly, 5.4cc	1
K150	14-45		11153544	Charge pump housing	1

F parts

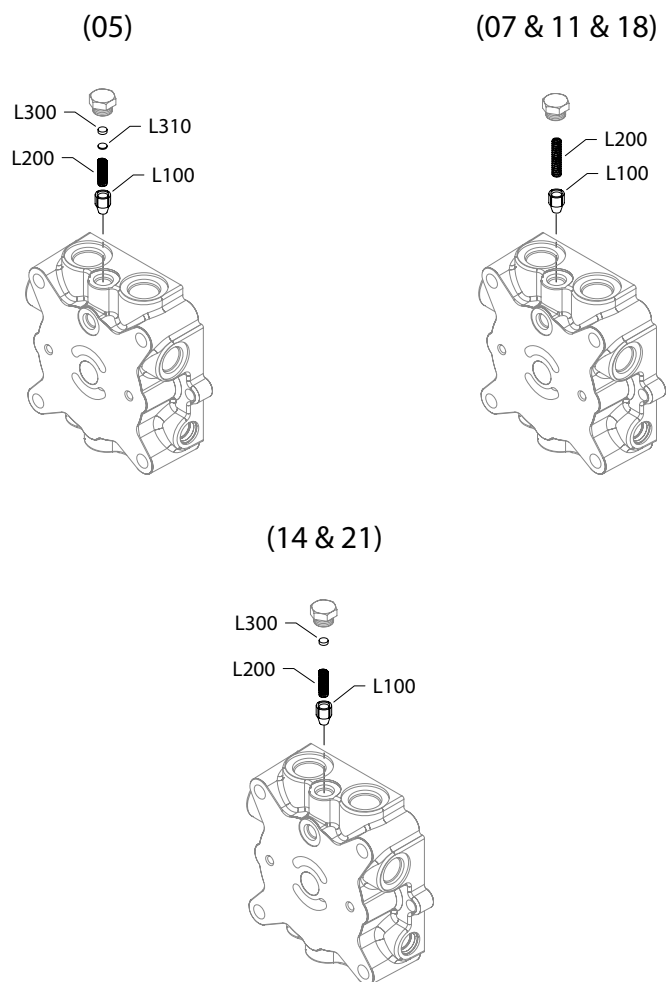
K010	14-45		11152848	Gerotor assembly, 7.5cc	1
K150	14-45		11153547	Charge pump housing	1

G parts

K010	14-45		11152848	Gerotor assembly, 7.5cc	1
K150	14-45		11153548	Charge pump housing	1

Charge pressure relief

Charge Pressure Relief 5-21



* Included in overhaul seal kit Q210

Shim quantity is A/R (as required) to reach proper pressure setting.

Charge pressure relief

Order code: 05 parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
L100	15-43		1040213	Relief valve poppet	1
L200	15-43		1743964	Spring	1
L300	15-43		11079743	Shim, 2.0mm	A/R
L310	15-43		3100069-4	Shim, 0.5mm	A/R

07 parts

L100	11-34		1040213	Relief valve poppet	1
L200	11-34		11050368	Spring	1

11 parts

L100	21-36		1040213	Relief valve poppet	1
L200	21-36		11282760	Spring	1

14 parts

L100	21-36		1040213	Relief valve poppet	1
L200	21-36		11282760	Spring	1
L300	21-36		11079743	Shim, 2.0mm	A/R

18 parts

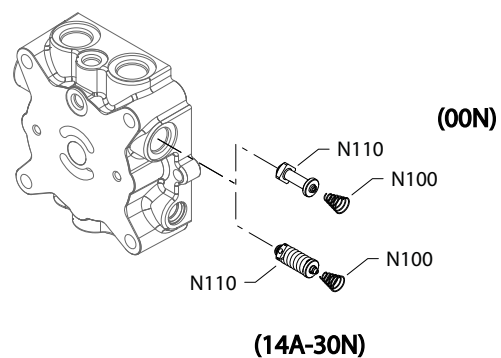
L100	14-45		1040213	Relief valve poppet	1
L200	14-45		11157942	Spring	1

21 parts

L100	20-31		1040213	Relief valve poppet	1
L200	20-31		11157942	Spring	1
L300	20-31		3100069-4	Shim, 0.5mm	A/R

System protection

System Pressure Protection, 00N, 14A-30N



System protection

Common parts

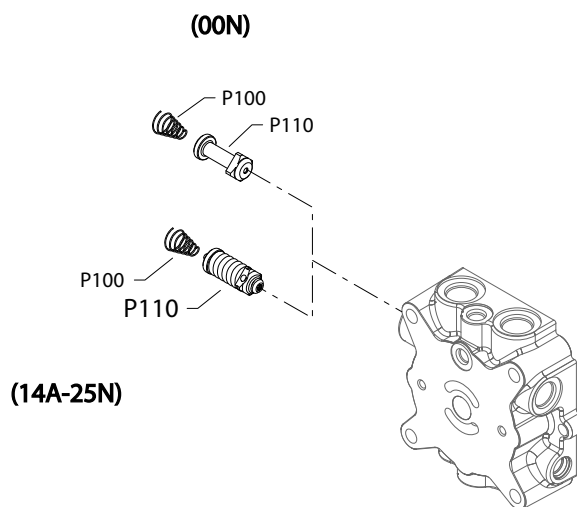
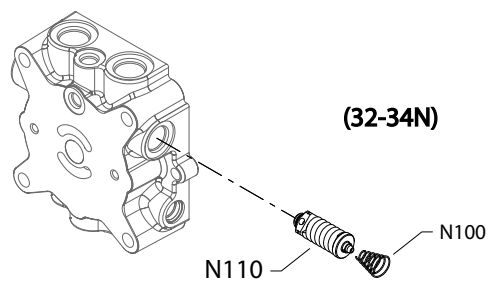
Port	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
A	N100	11-34		11192689 (4800780)	Spring	1

System pressure protection, port A

Order code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
00N	N110	11-34		3103348	Check valve poppet	1
14A	N110	11-34		11068596	SCR valve, with 0.85mm orifice, 140 bar [2030 psi]	1
14N	N110	11-34		3103375-0140	SCR valve, 140 bar [2030 psi]	1
17A	N110	11-34		11068588	SCR valve, with 0.85 orifice, 175 bar [2538 psi]	1
17N	N110	11-34		3103375-0175	SCR valve, 175 bar [2538 psi]	1
19A	N110	11-34		11104695	SCR valve, with 0.85 orifice, 190 bar [2755 psi]	1
19N	N110	11-34		3103375-0190	SCR valve, 190 bar [2755 psi]	1
21A	N110	11-34		11066872	SCR valve, with 0.85 orifice, 210 bar [3045 psi]	1
21N	N110	11-34		3103375-0210	SCR valve, 210 bar [3045 psi]	1
23A	N110	11-34		11104696	SCR valve, with 0.85 orifice, 230 bar [3335 psi]	1
23N	N110	11-34		3103375-0230	SCR valve, 230 bar [3335 psi]	1
25A	N110	11-34		11065546	SCR valve, with 0.85 orifice, 250 bar [3625 psi]	1
25N	N110	11-34		3103375-0250	SCR valve, 250 bar [3625 psi]	1
28A	N110	11-34		11065532	SCR valve, with 0.85 orifice, 280 bar [4060 psi]	1
28N	N110	11-34		3103375-0280	SCR valve, 280 bar [4060 psi]	1
30A	N110	11-34		11065535	SCR valve, with 0.85 orifice, 300 bar [4350 psi]	1
30N	N110	11-34		3103375-0300	SCR valve, 300 bar [4350 psi]	1

System protection

System Pressure Protection 32A-34N, 00N, 14A-25N



System protection

Common parts

Port	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
A	N100	11-34		11192689 (4800780)	Spring	1
B	P100	11-34		11192689 (4800780)	Spring	1

System pressure protection, port A

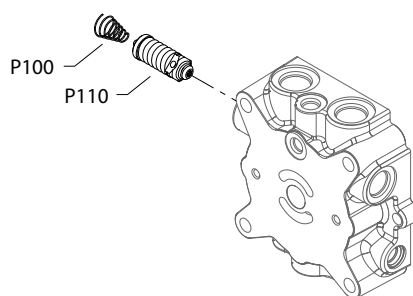
Order code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
32A	N110	11-34		11065541	SCR valve, with 0.85 orifice, 325 bar [4712 psi]	1
32N	N110	11-34		3103375-0325	SCR valve, 325 bar [4712 psi]	1
34A	N110	11-34		11065545	SCR valve, with 0.85 orifice, 345 bar [5000 psi]	1
34N	N110	11-34		3103375-0345	SCR valve, with 0.85 orifice, 345 bar [5000 psi]	

System pressure protection, port B

00N	P110	11-34		3103348	Check valve poppet	1
14A	P110	11-34		11068596	SCR valve, with 0.85mm orifice, 140 bar [2030 psi]	1
14N	P110	11-34		3103375-0140	SCR valve, 140 bar [2030 psi]	1
17A	P110	11-34		11068588	SCR valve, with 0.85 orifice, 175 bar [2538 psi]	1
17N	P110	11-34		3103375-0175	SCR valve, 175 bar [2538 psi]	1
19A	P110	11-34		11104695	SCR valve, with 0.85 orifice, 190 bar [2755 psi]	1
19N	P110	11-34		3103375-0190	SCR valve, 190 bar [2755 psi]	1
21A	P110	11-34		11066872	SCR valve, with 0.85 orifice, 210 bar [3045 psi]	1
21N	P110	11-34		3103375-0210	SCR valve, 210 bar [3045 psi]	1
23A	P110	11-34		11104696	SCR valve, with 0.85 orifice, 230 bar [3335 psi]	1
23N	P110	11-34		3103375-0230	SCR valve, 230 bar [3335 psi]	1
25A	P110	11-34		11065546	SCR valve, with 0.85 orifice, 250 bar [3625 psi]	1
25N	P110	11-34		3103375-0250	SCR valve, 250 bar [3625 psi]	1

System protection

System Pressure Protection 28A-34N



System protection

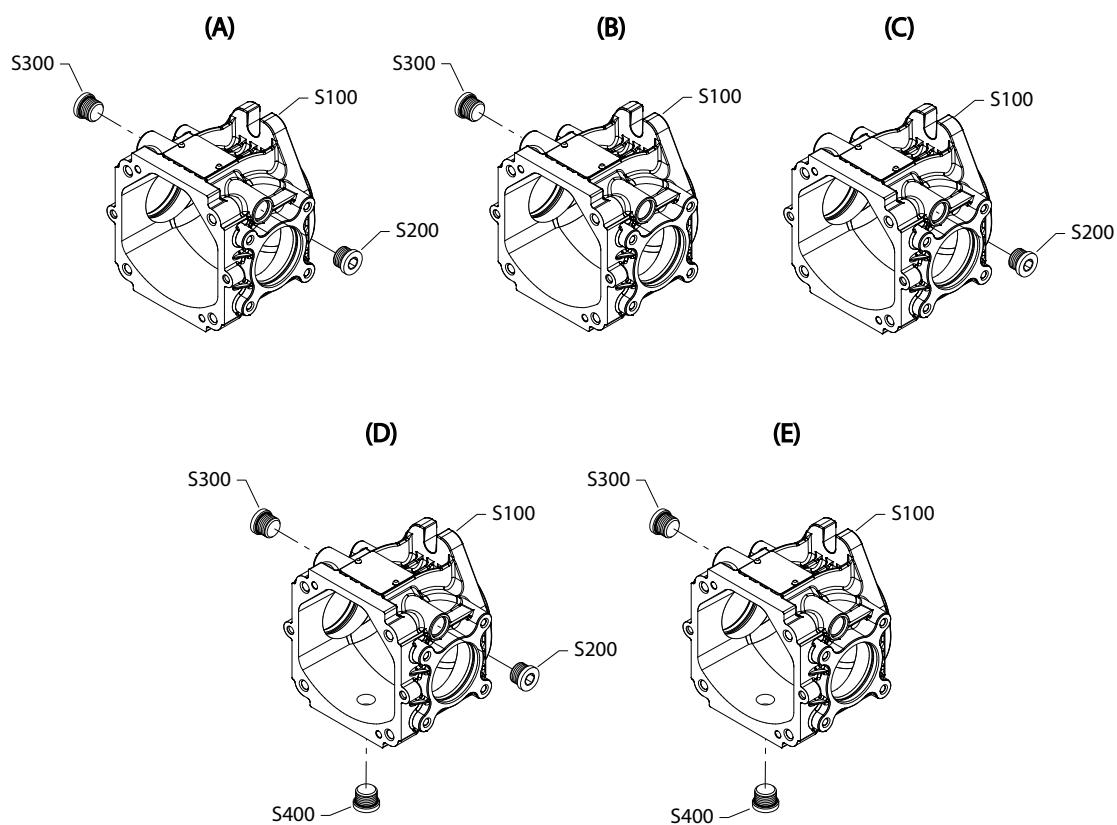
Order code: all common parts

Port	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B	P100	11-34		11192689 (4800780)	Spring	1

Order code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
28A	P110	11-34		11065532	SCR valve, with 0.85 orifice, 280 bar [3045 psi]	1
28N	P110	11-34		3103375-0280	SCR valve, 280 bar [3045 psi]	1
30A	P110	11-34		11065535	SCR valve, with 0.85 orifice, 300 bar [4350 psi]	1
30N	P110	11-34		3103375-0300	SCR valve, 300 bar [4350 psi]	1
32A	P110	11-34		11065541	SCR valve, with 0.85 orifice, 325 bar [4712 psi]	1
32N	P110	11-34		3103375-0175	SCR valve, 325 bar [4712 psi]	1
34A	P110	11-34		11065545	SCR valve, with 0.85 orifice, 345 bar [5000 psi]	1
34N	P110	11-34		3103375-0345	SCR valve, 345 bar [5000 psi]	1

Input flange

Input Flange A-E



Input flange

Order code: A parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
S100	11-34	13-29	11075508	Housing	1
S200	11-34	13-29	9005110-7500	Plug assembly	1
S300	11-34	13-29	9005110-7500	Plug assembly	1

B parts

S100	11-34	13-29	11075508	Housing	1
S300	11-34	13-29	9005110-7500	Plug assembly	1

C parts

S100	11-34	13-29	11075508	Housing	1
S200	11-34	13-29	9005110-7500	Plug assembly	1

D parts

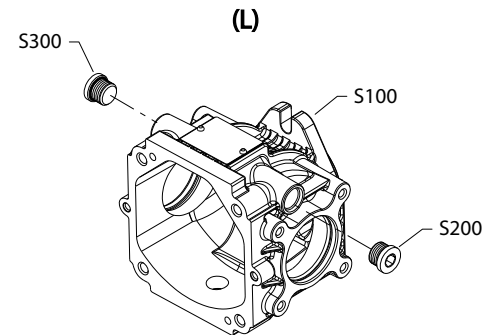
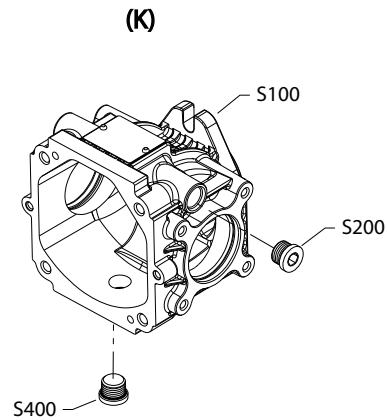
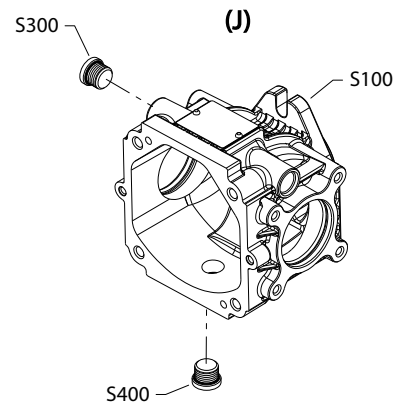
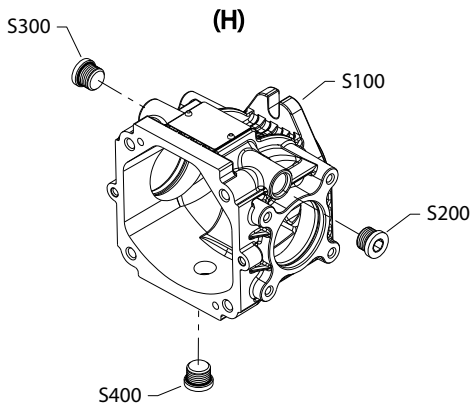
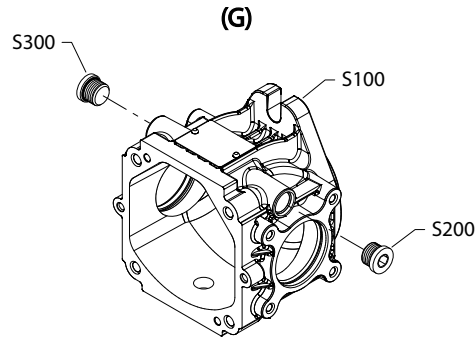
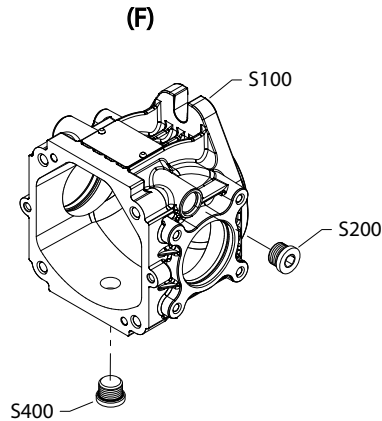
S100	11-34		11100113	Housing	1
S200	11-34		9005110-7500	Plug assembly	1
S300	11-34		9005110-7500	Plug assembly	1
S400	11-34		9005110-7500	Plug assembly	1

E parts

S100	11-34		11100113	Housing	1
S300	11-34		9005110-7500	Plug assembly	1
S400	11-34		9005110-7500	Plug assembly	1

Input flange

Input Flange F-L



Input flange

Order code: F parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
S100	11-34		11100113	Housing	1
S200	11-34		9005110-7500	Plug assembly	1
S400	11-34		9005110-7500	Plug assembly	1

Order code: G parts

S100	11-34		11100113	Housing	1
S200	11-34		9005110-7500	Plug assembly	1
S300	11-34		9005110-7500	Plug assembly	1

H parts

S100	14-45		11131449	Housing, SAE A flange	1
S200	14-45		9005110-7500	Plug assembly	1
S300	14-45		9005110-7500	Plug assembly	1
S400	14-45		9005110-7500	Plug assembly	1

J parts

S100	14-45		11131449	Housing, SAE A flange	1
S300	14-45		9005110-7500	Plug assembly	1
S400	14-45		9005110-7500	Plug assembly	1

K parts

S100	14-45		11131449	Housing, SAE A flange	1
S200	14-45		9005110-7500	Plug assembly	1
S400	14-45		9005110-7500	Plug assembly	1

L parts

S100	14-45		11131449	Housing, SAE A flange	1
S200	14-45		9005110-7500	Plug assembly	1
S300	14-45		9005110-7500	Plug assembly	1

Overhaul seal kit

DDC20 Overhaul Seal Kit

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
Q210	11-34		11101229	Overhaul seal kit, DDC20	1
E210	11-34		11050327	Lip seal	1
E220	11-34		9004104-1360	O-ring	1
E320	11-34		9004104-1360	O-ring	1
F120	11-34		11082827	Seal	1
J095	11-34		11082808	Gasket	1
J400	11-34		9004105-0160	O-ring	1
K110	11-34		9004105-0160	O-ring	3
J410	11-34		9004104-0320	O-ring	1
K100	11-34		KG1A055	O-ring	1
K100	15-11		9004104-0360	O-ring	1
K100	17-16		9004104-0340	O-ring	1
M110	11-34		KP1A011	O-ring	1
M120	11-34		11076700	Back up ring	1
M130	11-34		KP4F007	O-ring	1
QJ020	11-34		9004201-5000	O-ring	2
QJ040	11-34		9004201-3100	O-ring	1

Products we offer:

- Cartridge valves
- DCV directional control valves
- Electric converters
- Electric machines
- Electric motors
- Gear motors
- Gear pumps
- Hydraulic integrated circuits (HICs)
- Hydrostatic motors
- Hydrostatic pumps
- Orbital motors
- PLUS+1® controllers
- PLUS+1® displays
- PLUS+1® joysticks and pedals
- PLUS+1® operator interfaces
- PLUS+1® sensors
- PLUS+1® software
- PLUS+1® software services, support and training
- Position controls and sensors
- PVG proportional valves
- Steering components and systems
- Telematics

Danfoss Power Solutions is a global manufacturer and supplier of high-quality hydraulic and electric components. We specialize in providing state-of-the-art technology and solutions that excel in the harsh operating conditions of the mobile off-highway market as well as the marine sector. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of applications. We help you and other customers around the world speed up system development, reduce costs and bring vehicles and vessels to market faster.

Danfoss Power Solutions – your strongest partner in mobile hydraulics and mobile electrification.

Go to www.danfoss.com for further product information.

We offer you expert worldwide support for ensuring the best possible solutions for outstanding performance. And with an extensive network of Global Service Partners, we also provide you with comprehensive global service for all of our components.

Local address:

Hydro-Gear

www.hydro-gear.com

Daikin-Sauer-Danfoss

www.daikin-sauer-danfoss.com

**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 2080 6201

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.