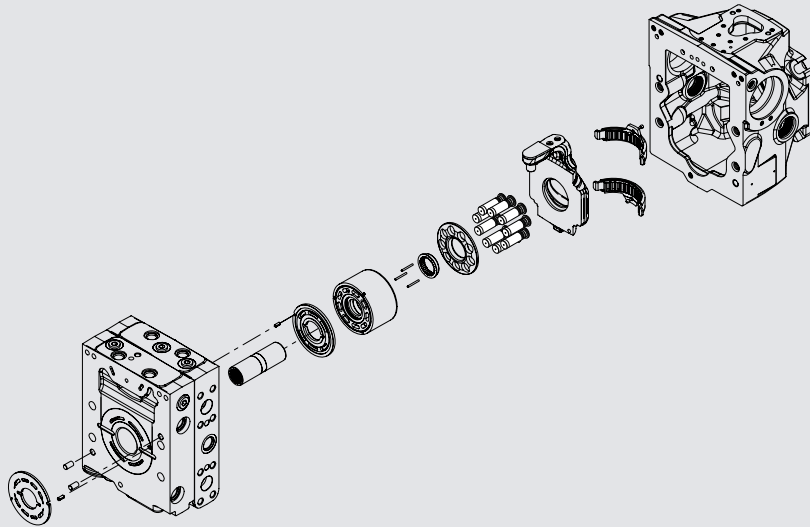


H1T 60 and 68cc

Variable Displacement Tandem Pump



Revision history

Table of revisions

Date	Changed	Rev
September 2026	Several part number updates	0402
July 2026	Updated to 2026 format	0401
March 2025	Updated MDC spring kit PN	0303
May 2024	Various part number and formatting updates	0302
October 2021	Updated to Engineering Tomorrow branding	0301

General information

Service parts identification.....	5
Nameplate.....	5
Date code.....	6
About service bulletins.....	6
Procedure to identify a part.....	6
Regional part numbers.....	6
Adobe Acrobat 2-page viewing.....	7
Order code.....	8

Common parts and special hardware

Special hardware H1.....	9
Special hardware P1, PN.....	11

Rear displacement

Rear displacement B, N.....	15
-----------------------------	----

Control

Control A2, A3.....	17
Control A4.....	19
Control A5 (SAE).....	21
Control A5 (metric).....	23
Control A8.....	25
Control A9, B1.....	27
Control B5.....	29
Control B6.....	31
Control B8.....	33
Control D7.....	35
Control D9.....	37
Control E1.....	39
Control M1.....	41
Control M2.....	43
Control N1, N2.....	45
Control N5.....	47
Control N6.....	49
Control NN.....	51

Displacement limitation

Displacement limitation B, C.....	53
Displacement limitation D, N.....	55

Orifice

Orifice C1-D3.....	57
Orifice D4, D5.....	61

Centersection

Centersection H3.....	63
Centersection H4.....	65
Centersection H5.....	67
Centersection H6.....	69
Centersection H7 (SAE).....	71
Centersection H7 (metric).....	73
Centersection H8.....	75

Housing

Mounting flange H.....	77
------------------------	----

Shaft

Shaft E1-G1.....	79
------------------	----

Auxiliary mounting

Auxiliary mounting H3, H5.....	81
--------------------------------	----

High pressure protection

High pressure setting 18-48 (port A).....	83
High pressure setting AE-CE (port A).....	85
High pressure setting CH-DK (port A).....	87

High pressure setting 18-48 (port B).....	89
High pressure setting AE-CE (port B).....	91
High pressure setting CH-DK (port B).....	93
High pressure setting 18-48 (port C).....	95
High pressure setting AE-CE (port C).....	97
High pressure setting CH-DK (port C).....	99
High pressure setting 18-48 (port D).....	101
High pressure setting AE-CE (port D).....	103
High pressure setting CH-DK (port D).....	105
Charge pump, filtration, charge pressure setting	
Charge pump, filtration, charge pressure setting.....	107
Overhaul seal kit	
Overhaul seal kit.....	109
Service bulletin	
SB-2007-033.....	110
SB-2011-020.....	112
SB-2020-029.....	113

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 product.

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

Nameplate

Each unit will have a nameplate affixed to the housing. The nameplate of the H1T 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.



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. Referring to the Port Configuration in the Order Code on page 8, valid variables are "A" (Inch) and "M" (metric).

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 Europe. The number in parentheses is sold in the United States. Customers would order 9008000-0118 if ordering the part in the United States.

Example of part identification (H1T 68)

The nameplate on an H1 tandem pump has an Order Code of H1T068L A A N A2 C3 N H7 H F1 H3 38 38 38 38 N E 32 PN NNN NNN. Use the following procedures to determine part number of the minimum angle set screw used on the H1B 60cc.

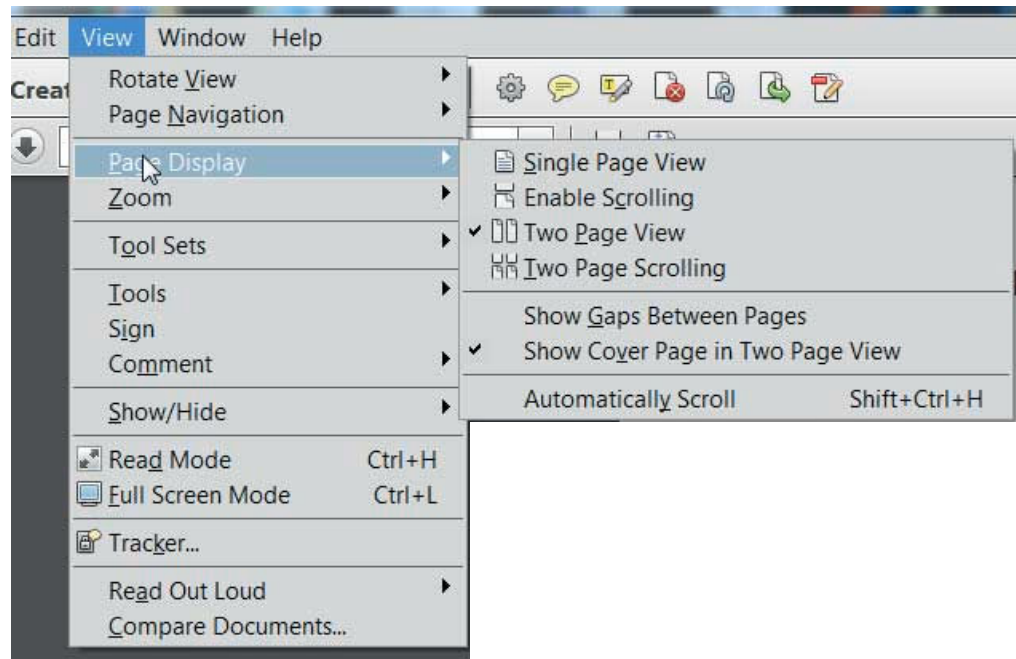
This example generically uses H1T 68cc order code to identify a part.

1. Referring to the input shaft module in the *Order Code*, the input shaft option for this pump is identified by the code "F1". (H1T068L A A N A2 C3 N H7 H F1 H3 38 38 38 38 N E 32 PN NNN NNN).
2. Referring to the Service Parts List, find the shaft group. Next, find the order code that relates to this unit, which is "F1". The shaft is found to be item J100 and part number 11038239.

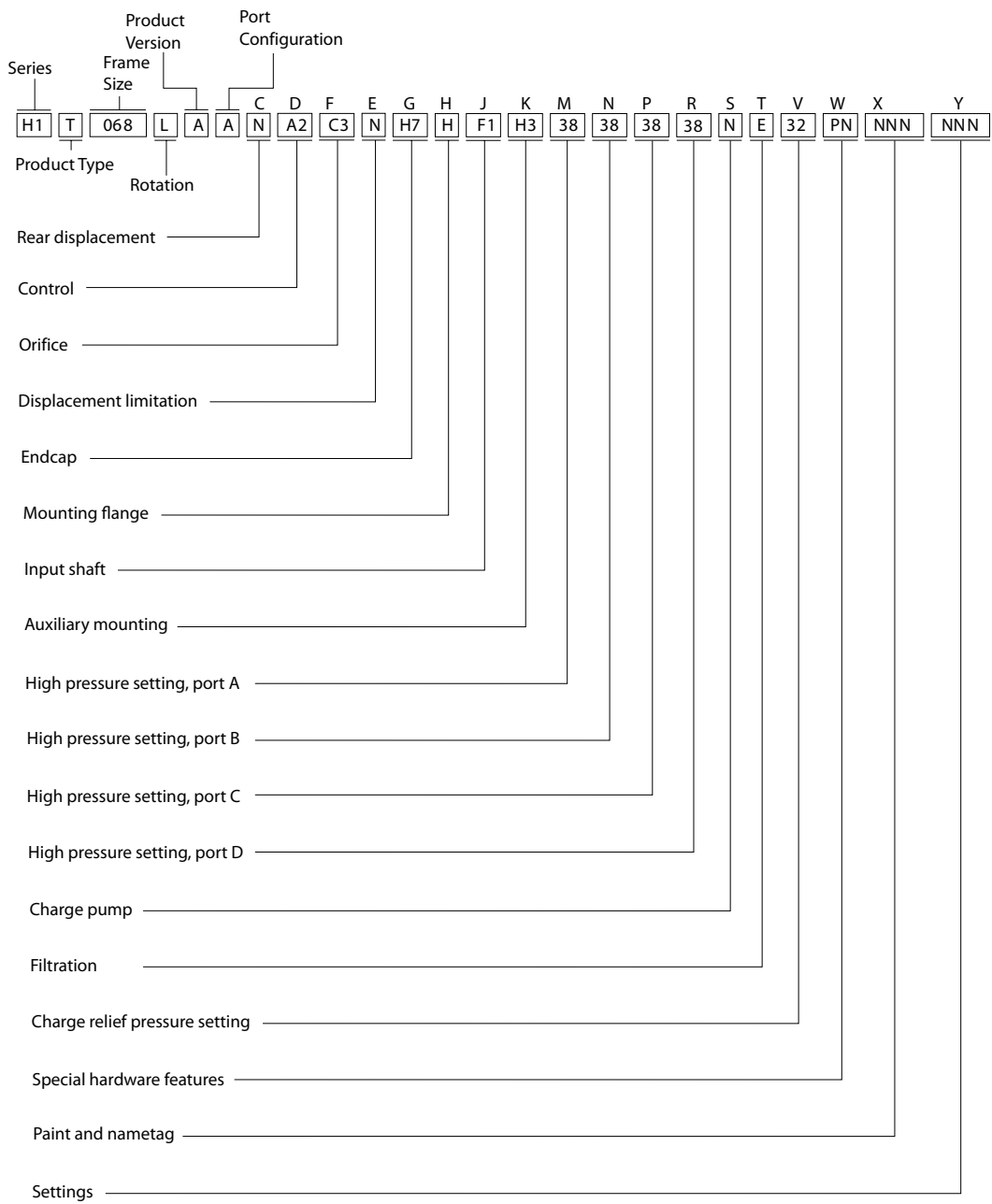
Adobe Acrobat 2-page viewing

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"



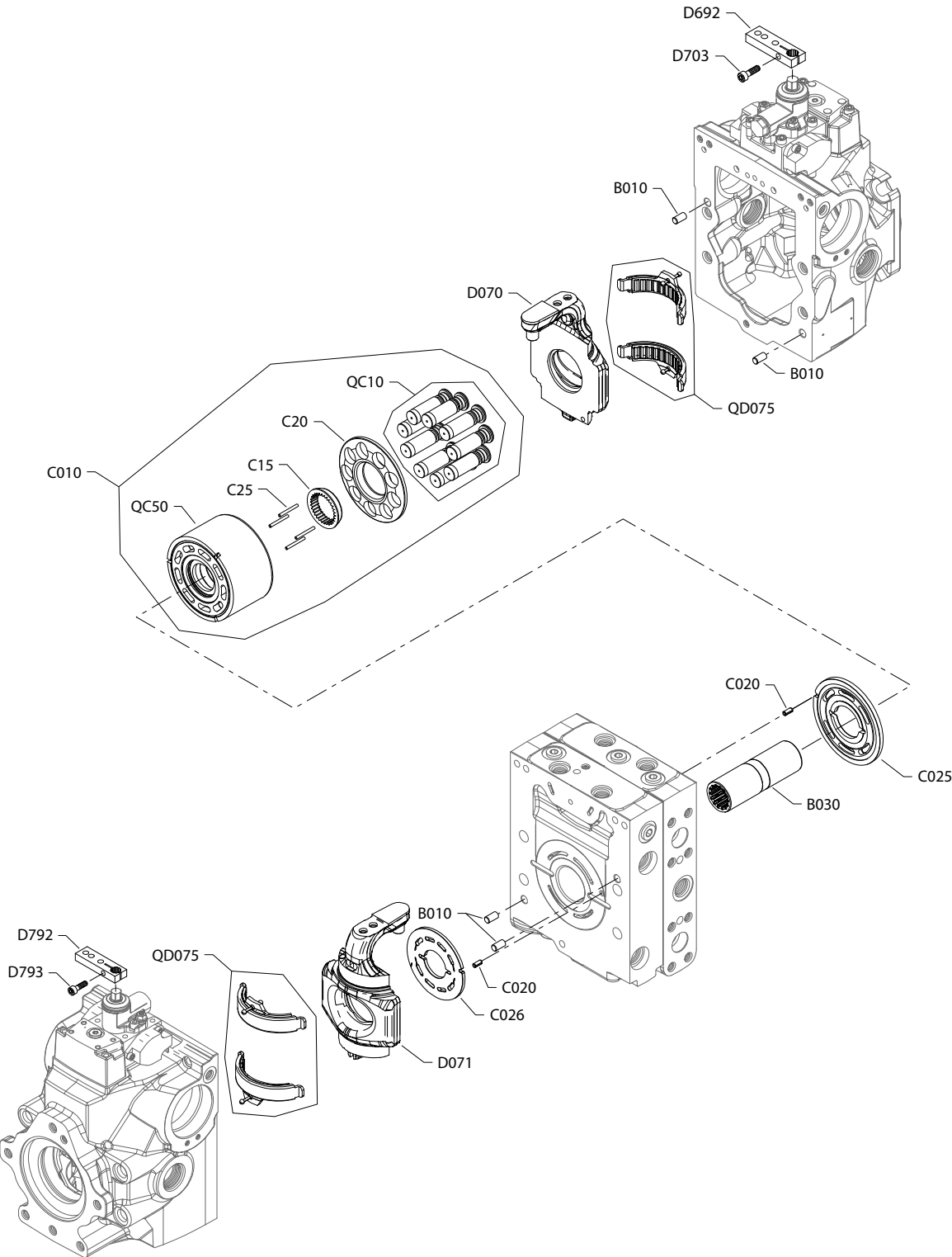
Order code



Common parts and special hardware

H1T 60/68 special hardware H1

Parts configuration



Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B010	17-22		5000757	Dowel pin	4
B030	17-22		11100543	Coupling	1
C020	17-22		9004700-1907	Valve plate pin	2
D070	17-22		11121000	Swashplate	1
D071	17-22		11121000	Swashplate	1
QD075	17-22		11086555	Swashplate bearing kit	2

Order Code: H1 ("L" rotation)

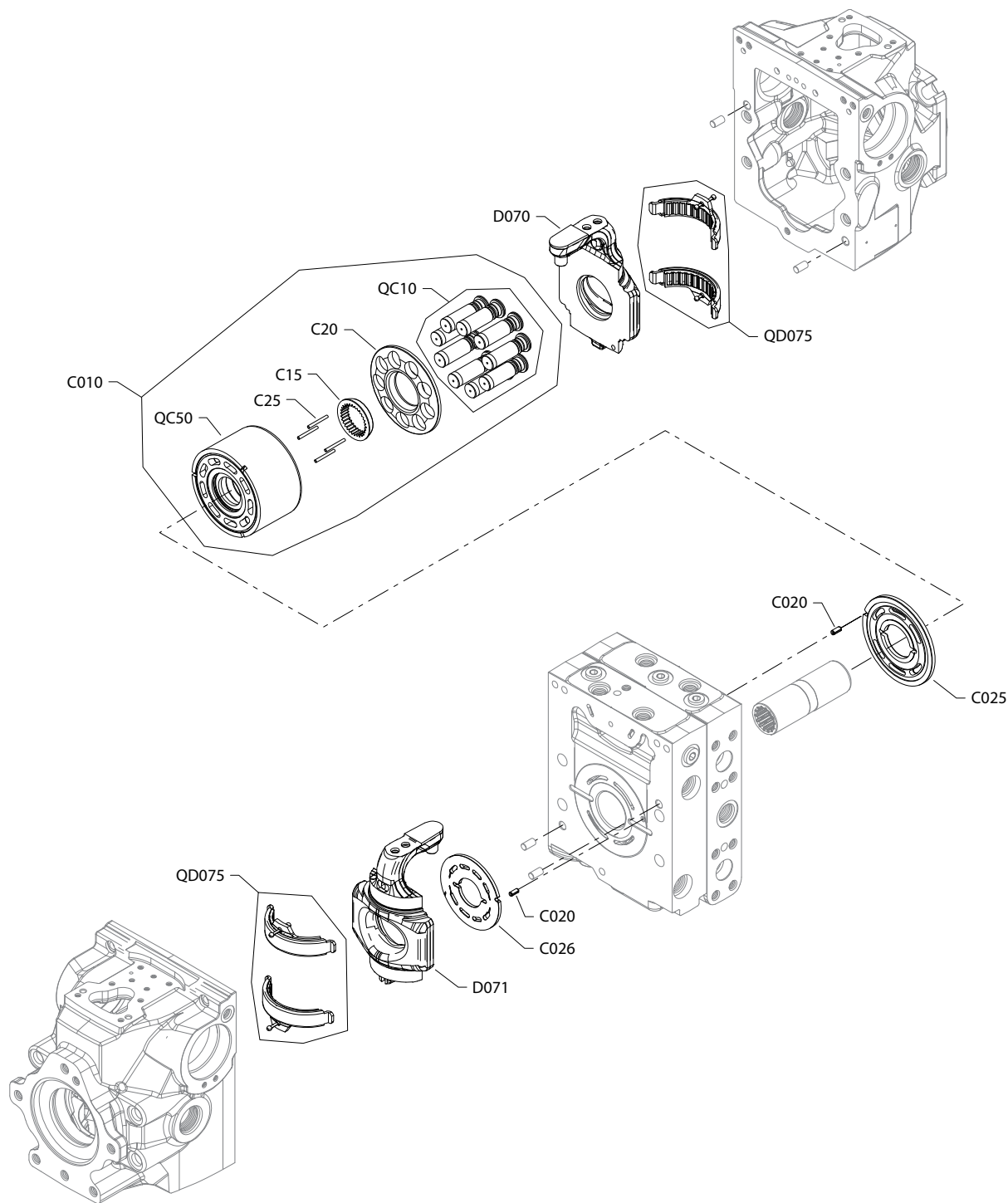
C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
C010	17-22		11050563	Cylinder block kit, 60 cc	1
C010	17-22		11033143	Cylinder block kit, 68 cc	1
C025	17-22		11082840	Valve plate, CCW	1
C026	17-22		11081201	Valve plate, CW	1
D692	17-22		11113513	Control handle	1
D703	17-22		041160 (9007314-0605)	Screw, M6 x 20	1
D792	17-22		11113513	Control handle	1
D793	17-22		041160 (9007314-0605)	Screw, M6 x 20	1
QC10	17-22		11087709	Slipper/piston kit, 60 cc	1
QC10	17-22		11087710	Slipper/piston kit, 68 cc	1
QC50	17-22		11050267	Cylinder block assembly, 60 cc	1
QC50	17-22		11033144	Cylinder block assembly, 68 cc	1

Order Code: H1 ("R" rotation)

C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
C010	17-22		11050563	Cylinder block kit, 60 cc	1
C010	17-22		11033143	Cylinder block kit, 68 cc	1
C025	17-22		11081201	Valve plate, CW	1
C026	17-22		11082840	Valve plate, CCW	1
D692	17-22		11113513	Control handle	1
D703	17-22		041160 (9007314-0605)	Screw, M6 x 20	1
D792	17-22		11113513	Control handle	1
D793	17-22		041160 (9007314-0605)	Screw, M6 x 20	1
QC10	17-22		11087709	Slipper/piston kit, 60 cc	1
QC10	17-22		11087710	Slipper/piston kit, 68 cc	1
QC50	17-22		11050267	Cylinder block assembly, 60 cc	1
QC50	17-22		11033144	Cylinder block assembly, 68 cc	1

H1T 60/68 special hardware P1, PN

Parts configuration



Order Code: P1 ("L" rotation)

Item	Date Begin	Date End	Part Number	Qty. per Part Name	Model/Kit
C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
C010	17-22		11050563	Cylinder block kit, 60 cc	1
C010	17-22		11033143	Cylinder block kit, 68 cc	1
C025	17-22		11082840	Valve plate, CCW	1
C026	17-22		11081201	Valve plate, CW	1
QC10	17-22		11087709	Slipper/piston kit, 60 cc	1
QC10	17-22		11087710	Slipper/piston kit, 68 cc	1
QC50	17-22		11050267	Cylinder block assembly, 60 cc	1
QC50	17-22		11033144	Cylinder block assembly, 68 cc	1

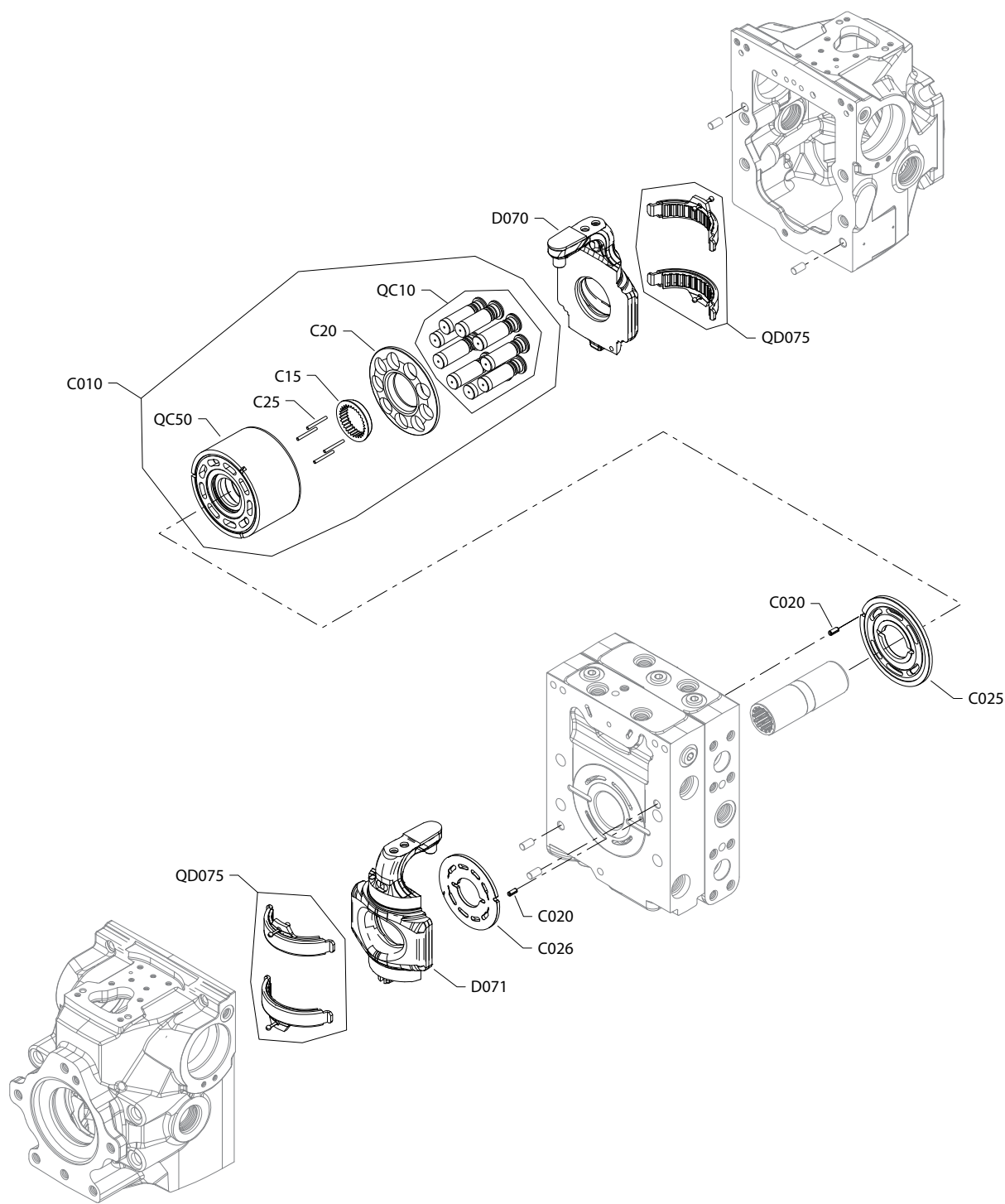
Order Code: PN ("L" rotation)

C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
C010	17-22		11050563	Cylinder block kit, 60 cc	1
C010	17-22		11033143	Cylinder block kit, 68 cc	1
C025	17-22		11082840	Valve plate, CCW	1
C026	17-22		11081201	Valve plate, CW	1
QC10	17-22		11087709	Slipper/piston kit, 60 cc	1
QC10	17-22		11087710	Slipper/piston kit, 68 cc	1
QC50	17-22		11050267	Cylinder block assembly, 60 cc	1
QC50	17-22		11033144	Cylinder block assembly, 68 cc	1

**Note**

Parts continue to the next two pages.

Parts configuration



Order Code: P1 ("R" rotation)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
C010	17-22		11050563	Cylinder block kit, 60 cc	1
C010	17-22		11033143	Cylinder block kit, 68 cc	1
C025	17-22		11081201	Valve plate, CW	1
C026	17-22		11082840	Valve plate, CCW	1
QC10	17-22		11087709	Slipper/piston kit, 60 cc	1
QC10	17-22		11087710	Slipper/piston kit, 68 cc	1
QC50	17-22		11050267	Cylinder block assembly, 60 cc	1
QC50	17-22		11033144	Cylinder block assembly, 68 cc	1

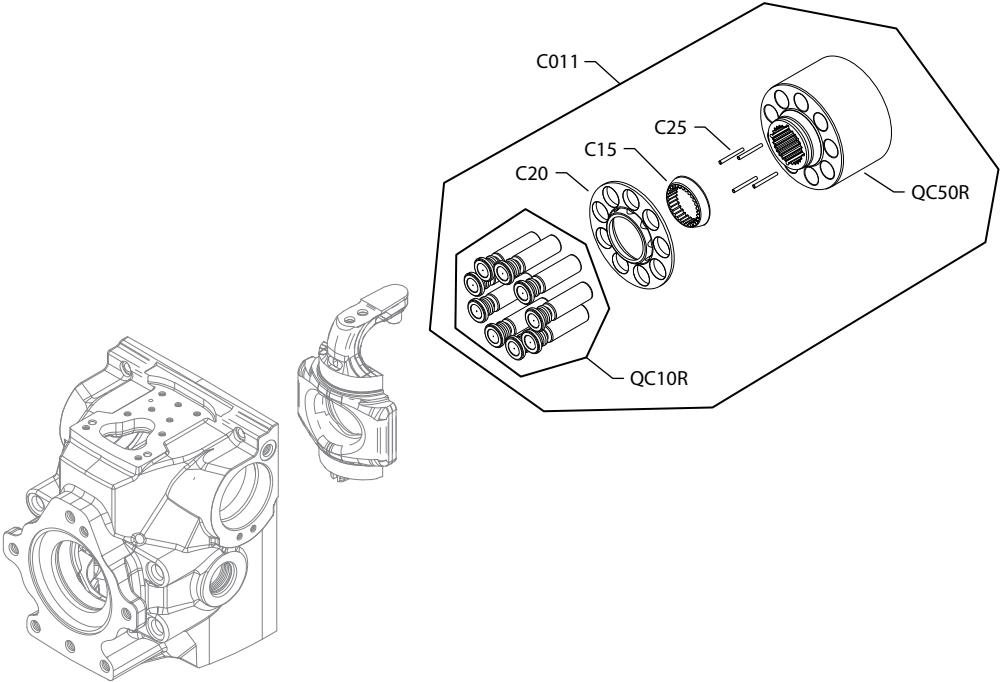
Order Code: PN ("R" rotation)

C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
C010	17-22		11050563	Cylinder block kit, 60 cc	1
C010	17-22		11033143	Cylinder block kit, 68 cc	1
C025	17-22		11081201	Valve plate, CW	1
C026	17-22		11082840	Valve plate, CCW	1
QC10	17-22		11087709	Slipper/piston kit, 60 cc	1
QC10	17-22		11087710	Slipper/piston kit, 68 cc	1
QC50	17-22		11050267	Cylinder block assembly, 60 cc	1
QC50	17-22		11033144	Cylinder block assembly, 68 cc	1

Rear displacement

H1T 60/68 rear displacement B, N

Parts configuration



Order Code B (H1T 60)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
C011	17-22		11050563	Cylinder block kit, 60 cc	1
C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
QC10R	17-22		11087709	Slipper/piston kit, 60 cc	1
QC50R	17-22		11050267	Cylinder block assembly, 60 cc	1

Order Code N (H1T 60)

C011	17-22		11050563	Cylinder block kit, 60 cc	1
C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
QC10R	17-22		11087709	Slipper/piston kit, 60 cc	1
QC50R	17-22		11050267	Cylinder block assembly, 60 cc	1

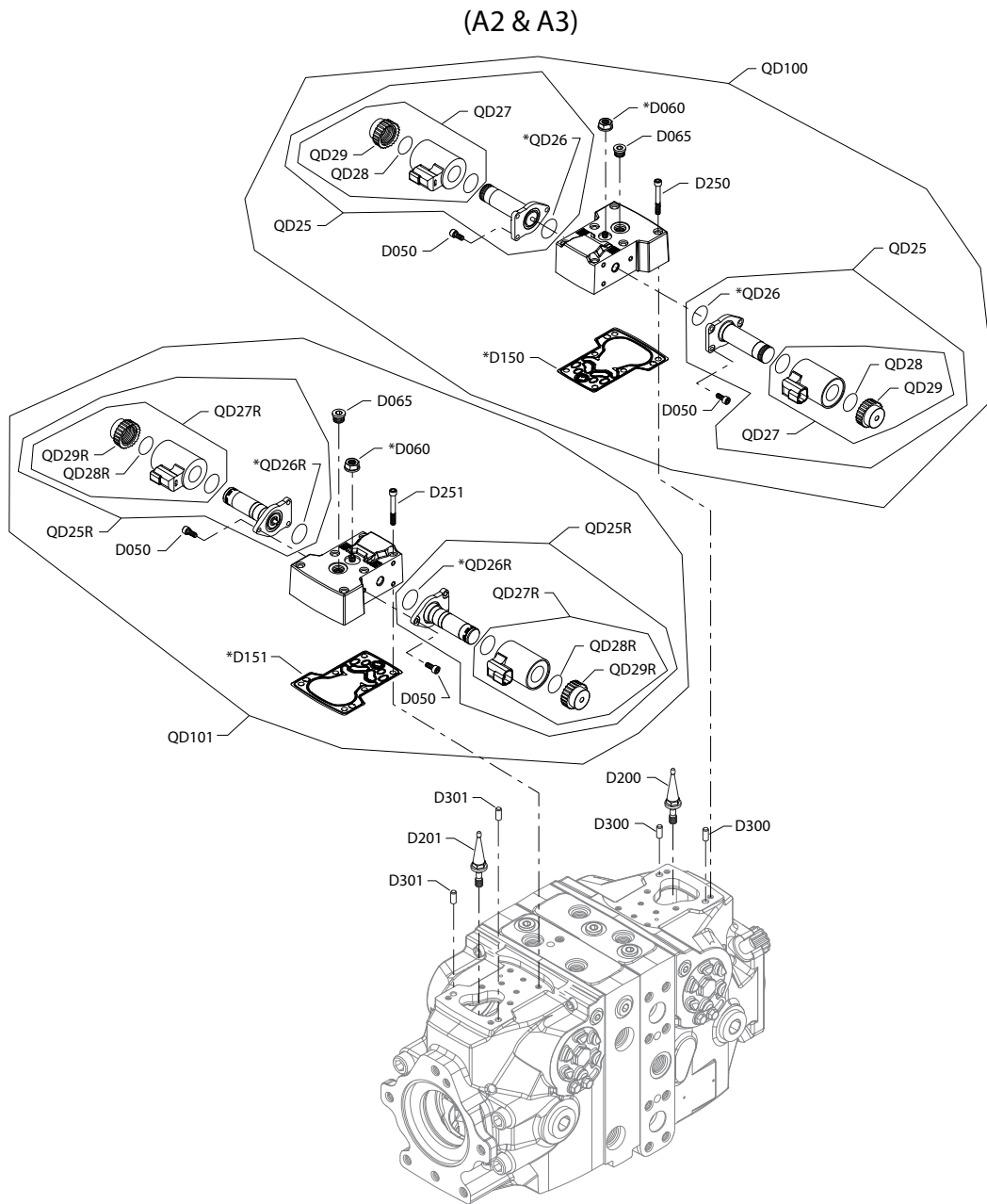
Order Code N (H1T 68)

C011	17-22		11033143	Cylinder block kit, 68 cc	1
C15	17-22		11033139	Slipper retainer ball guide	1
C20	17-22		11033140	Slipper retainer	1
C25	17-22		11040075	Slipper hold down pin	4
QC10R	17-22		11087710	Slipper/piston kit, 68 cc	1
QC50R	17-22		11033144	Cylinder block assembly, 68 cc	1

Control

H1T 60/68 control A2, A3

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D060	17-22		612291 (9003508-0008)	Seal nut	2
D065	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		11148827	Swashplate feedback link	1
D201	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 x 45	6
D251	17-22		505038	Screw, M6 x 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11027046	Coil nut	2
QD29R	17-22		11027046	Coil nut	2

Order code: A2

QD25	17-22		11012457	Proportional solenoid, 12V	2
QD25R	17-22		11012457	Proportional solenoid, 12V	2
QD27	17-22		11028018	Coil kit, 12V, DEUTSCH connector	2
QD27R	17-22		11028018	Coil kit, 12V, DEUTSCH connector	2
QD100	17-22		11019680	EDC kit, 12V, high gain spool	1
QD101	17-22		11019680	EDC kit, 12V, high gain spool	1

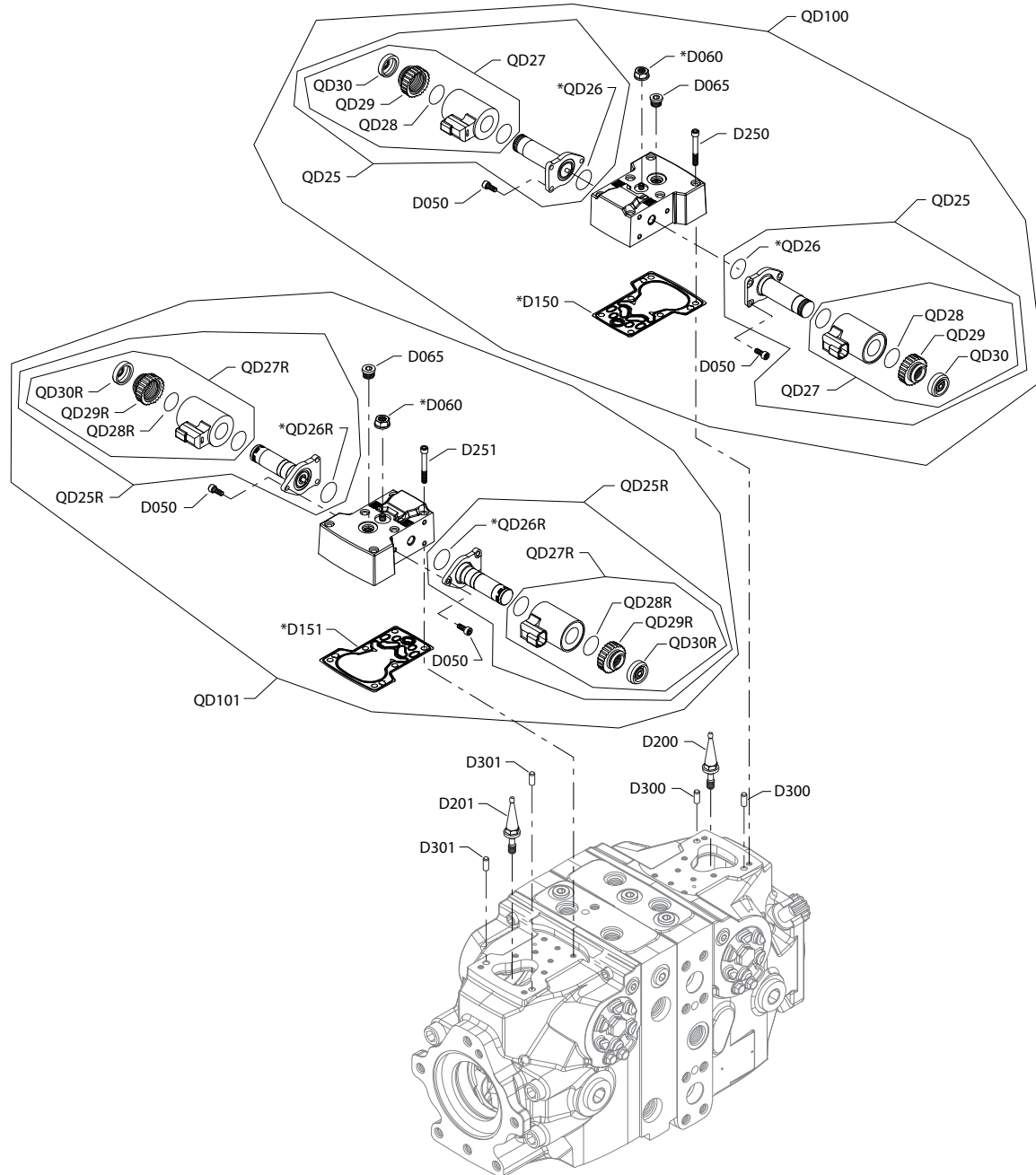
Order code: A3

QD25	17-22		11012459	Proportional solenoid, 24V (<i>SB-2007-033</i> on page 110)	2
QD25R	17-22		11012459	Proportional solenoid, 24V (<i>SB-2007-033</i> on page 110)	2
QD27	17-22		11028019	Coil kit, 24V, Deutsch connector (<i>SB-2007-033</i> on page 110)	2
QD27R	17-22		11028019	Coil kit, 24V, DEUTSCH connector (<i>SB-2007-033</i> on page 110)	2
QD100	17-22		11019681	EDC kit, 24V, high gain spool	1
QD101	17-22		11019681	EDC kit, 24V, high gain spool	1

H1T control A4

Parts configuration

(A4)



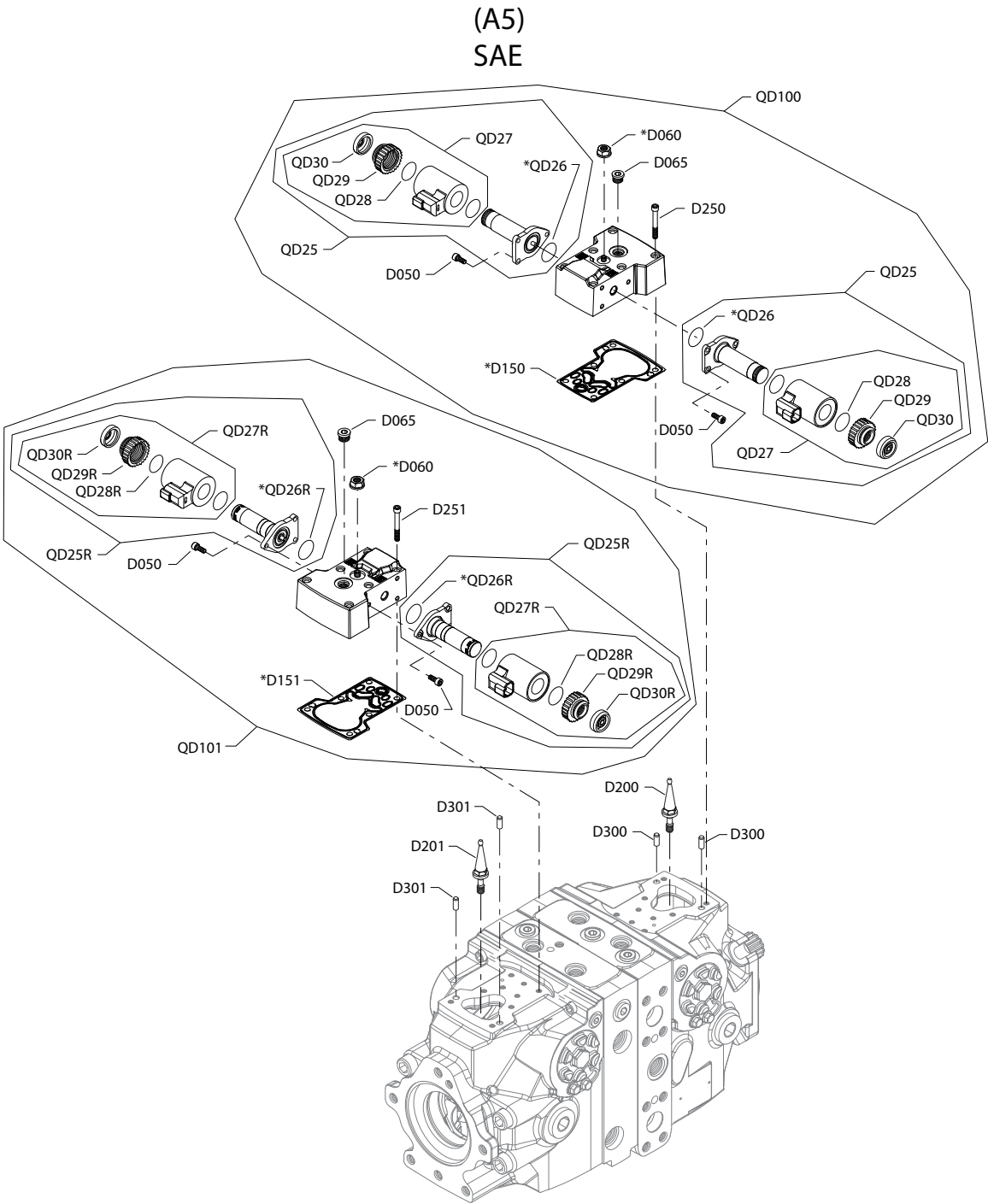
* Included in overhaul seal kit Q210

Order code: A4

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D060	17-22		612291 (9003508-0008)	Seal nut	2
D065	17-22		140642	Plug	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		11148827	Swashplate feedback link	1
D201	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD25	17-22		140750	Proportional solenoid, 12V, DEUTSCH connector	2
QD25R	17-22		140750	Proportional solenoid, 12V, DEUTSCH connector	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD27R	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11027883	Coil nut	2
QD29R	17-22		11027883	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11019732	EDC kit, 12V, high gain spool, manual override	1
QD101	17-22		11019732	EDC kit, 12V, high gain spool, manual override	1

H1T control A5 (SAE)

Parts configuration



* Included in overhaul seal kit Q210

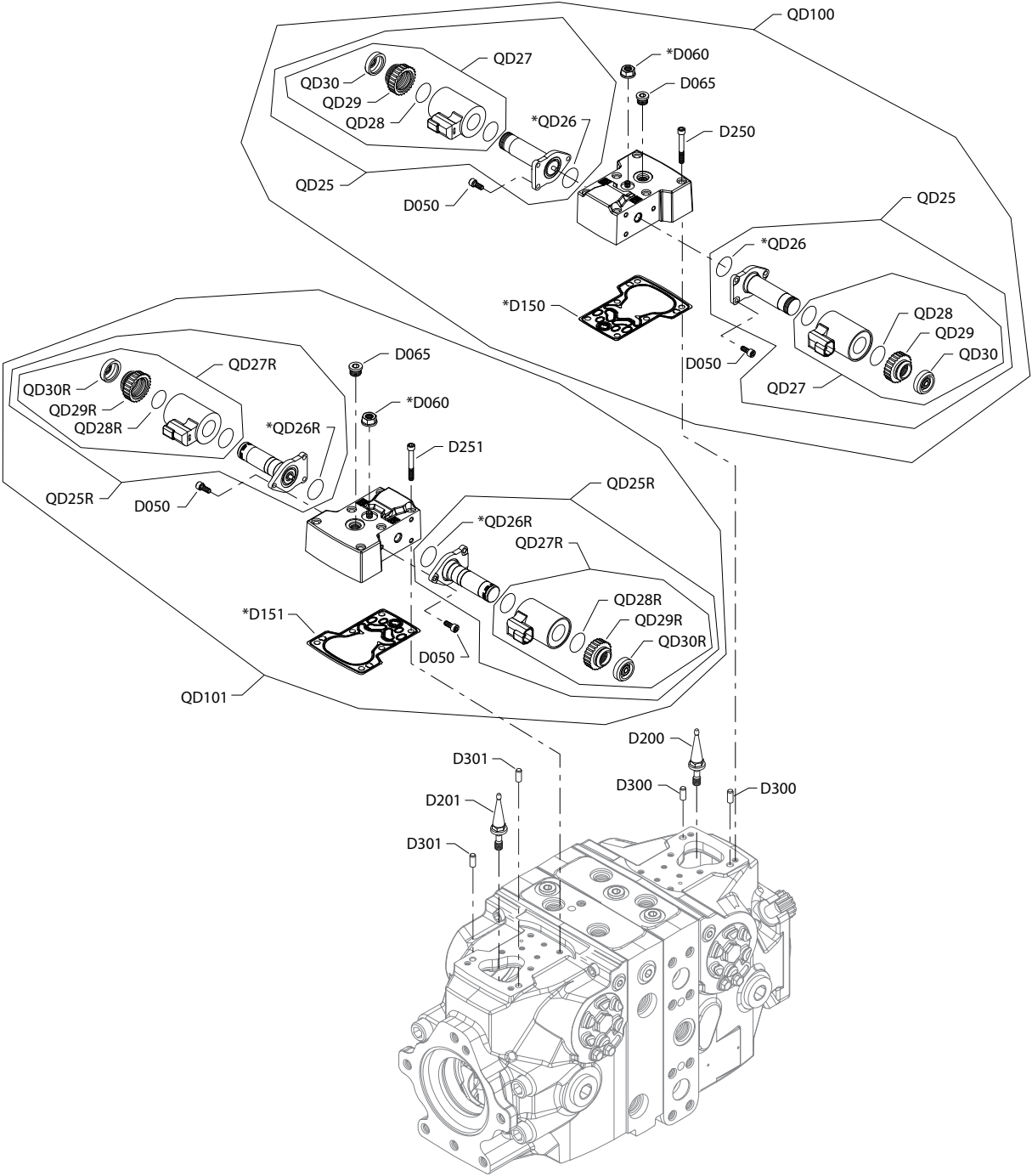
Order code: A5 (SAE)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D060	17-22		612291 (9003508-0008)	Seal nut	2
D065	17-22		140642	Plug assembly	2
D065	17-22		5000572	Plug assembly, M12	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		11148827	Swashplate feedback link	1
D201	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD25	17-22		140751	Proportional solenoid, 24V, DEUTSCH connector	2
QD25R	17-22		140751	Proportional solenoid, 24V, DEUTSCH connector	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004700	Coil kit, 24V, DEUTSCH connector	2
QD27R	17-22		11004700	Coil kit, 24 V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319361	Coil nut	2
QD29R	17-22		11319361	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11019733	EDC kit, 24V, high gain spool, manual override	1
QD100	17-22		11170082	EDC kit, 24V, high gain spool, manual override (metric)	1
QD101	17-22		11019733	EDC kit, 24V, high gain spool, manual override	1
QD101	17-22		11170082	EDC kit, 24V, high gain spool, manual override (metric)	1

H1T control A5 (metric)

Parts configuration

(A5)
metric



* Included in overhaul seal kit Q210

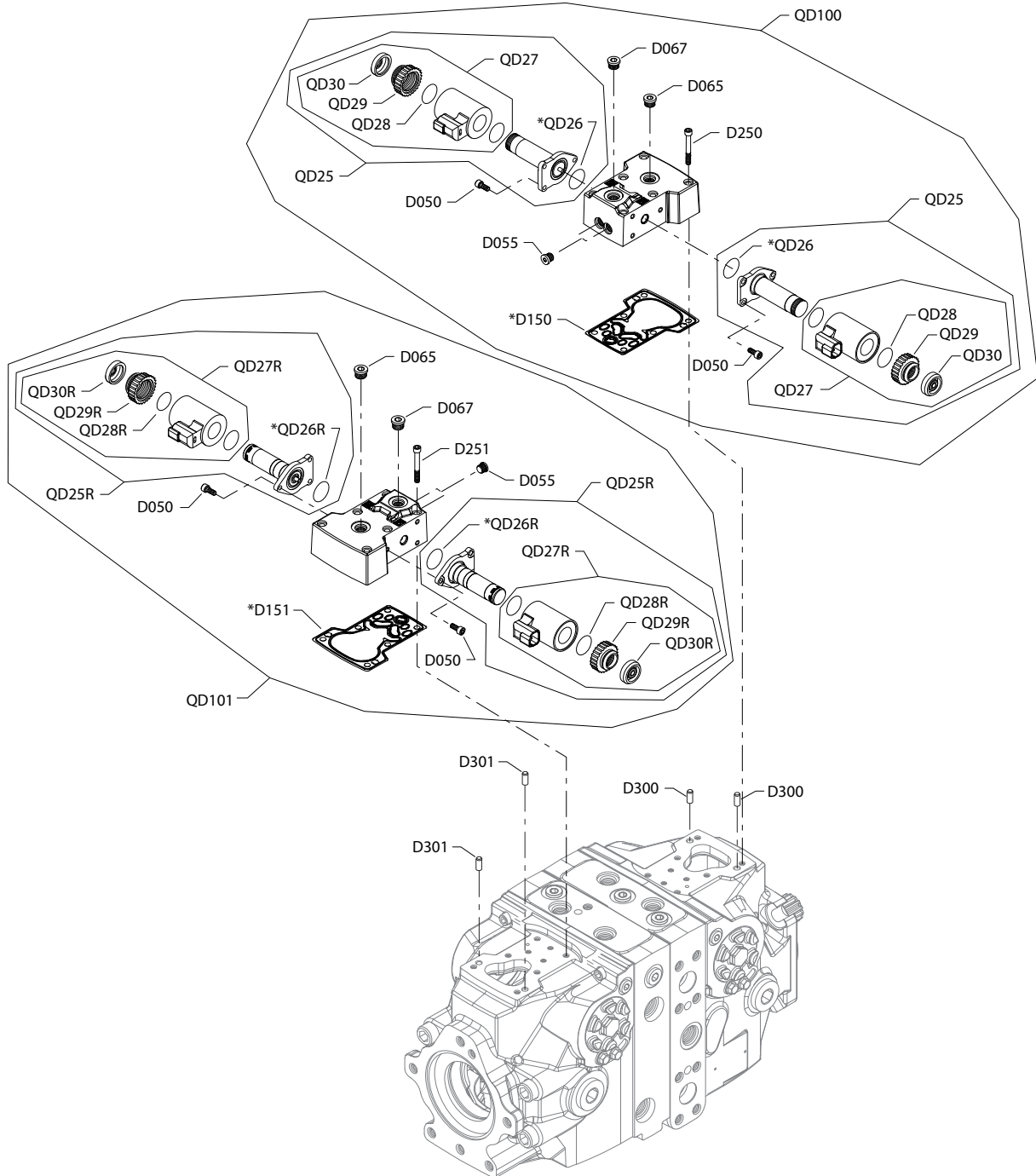
Order code: A5 (metric)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D060	17-22		612291 (9003508-0008)	Seal nut	2
D065	17-22		140642	Plug assembly	2
D065	17-22		5000572	Plug assembly, M12	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		11148827	Swashplate feedback link	1
D201	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD25	17-22		140751	Proportional solenoid, 24V, DEUTSCH connector	2
QD25R	17-22		140751	Proportional solenoid, 24V, DEUTSCH connector	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004700	Coil kit, 24V, DEUTSCH connector	2
QD27R	17-22		11004700	Coil kit, 24 V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319361	Coil nut	2
QD29R	17-22		11319361	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11170082	EDC kit, 24V, high gain spool, manual override (metric)	1
QD101	17-22		11170082	EDC kit, 24V, high gain spool, manual override (metric)	1

H1T control A8

Parts configuration

(A8)



* Included in overhaul seal kit Q210

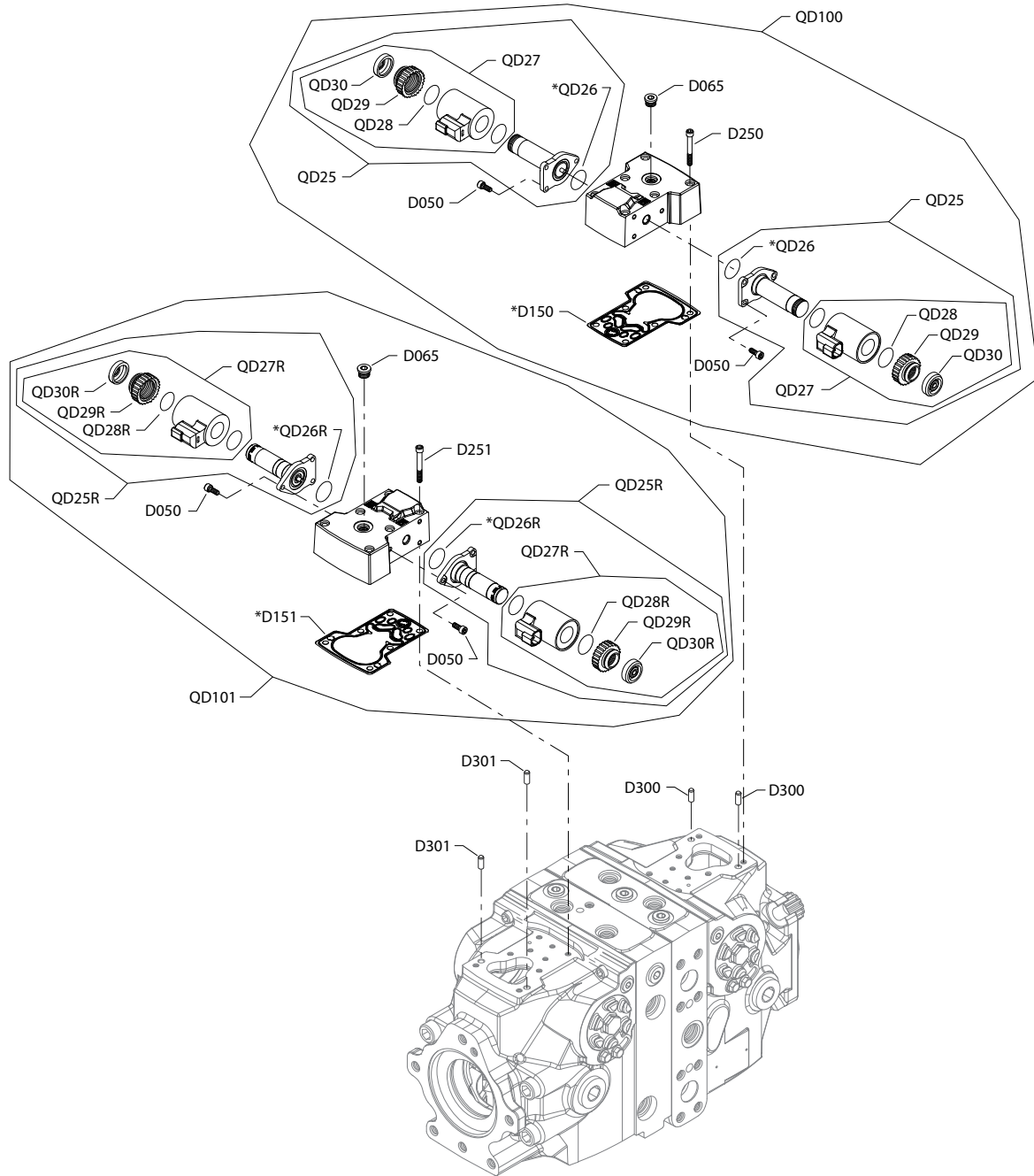
Order code: A8

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D055	17-22		11040532	Plug assembly	4
D065	17-22		140642	Plug assembly	2
D067	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD25	17-22		140750	Proportional solenoid, 12V, DEUTSCH connector	2
QD25R	17-22		140750	Proportional solenoid, 12V, DEUTSCH connector	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD27R	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319330	Coil nut	2
QD29R	17-22		11319330	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11015803	NFPE control kit, 12V, manual override, DEUTSCH connector	1
QD101	17-22		11015803	NFPE control kit, 12V, manual override, DEUTSCH connector	1

H1T control A9, B1

Parts configuration

(A9 & B1)



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D065	17-22		140642	Plug	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2

Order code: A9

QD25	17-22		141301	Proportional solenoid, 12V, DEUTSCH connector	2
QD25R	17-22		141301	Proportional solenoid, 12V, DEUTSCH connector	2
QD27	17-22		11005222	Coil kit, 12V, DEUTSCH connector	2
QD27R	17-22		11005222	Coil kit, 12V, DEUTSCH connector	2
QD29	17-22		11319330	Coil nut	2
QD29R	17-22		11319330	Coil nut	2
QD100	17-22		11025905	FNR control kit, 12V, manual override, DEUTSCH connector	1
QD101	17-22		11025905	FNR control kit, 12V, manual override, DEUTSCH connector	1

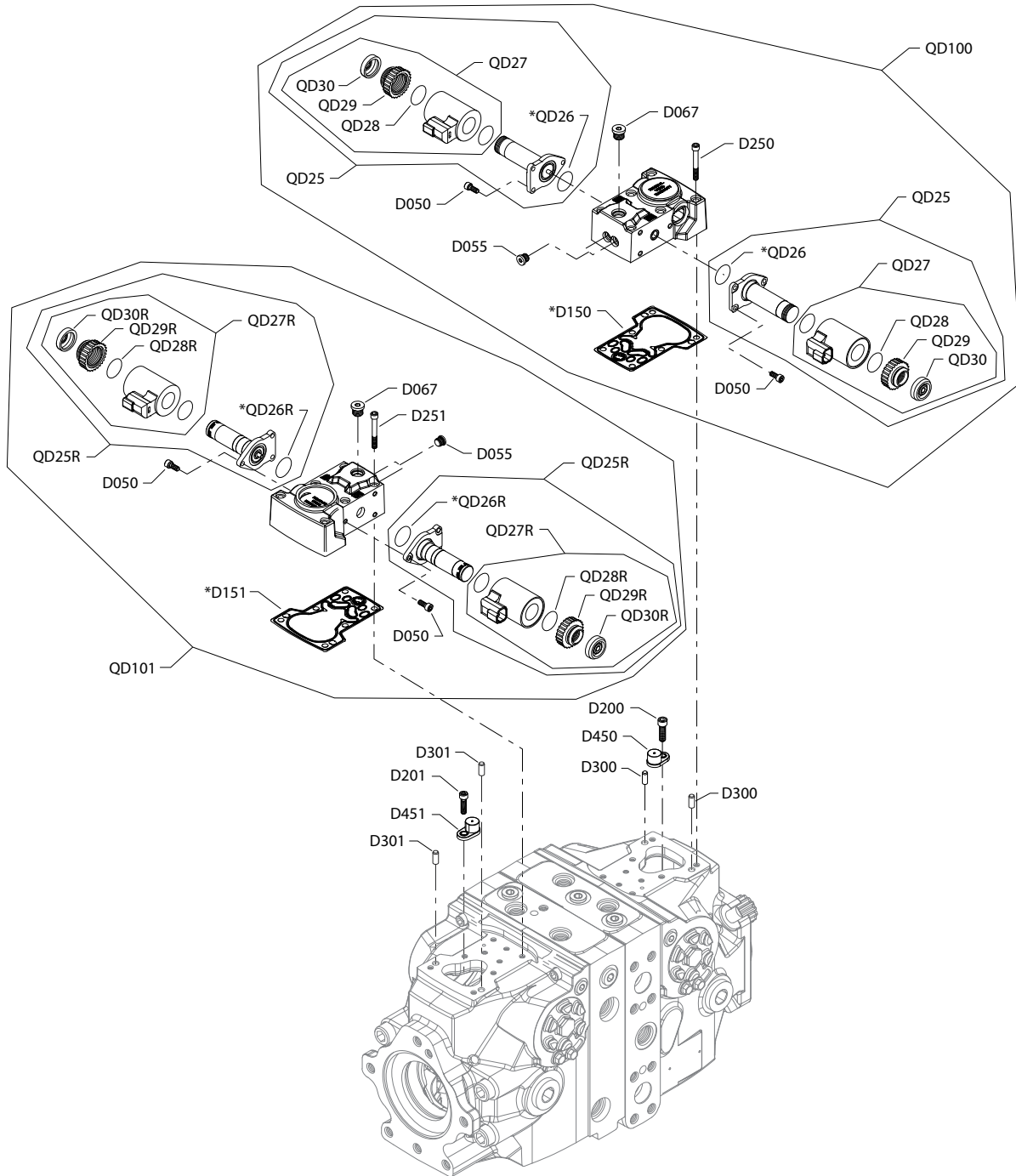
Order code: B1

QD25	17-22		141313	Proportional solenoid, 24V, DEUTSCH connector	2
QD25R	17-22		141313	Proportional solenoid, 24V, DEUTSCH connector	2
QD27	17-22		11005223	Coil kit, 24V, DEUTSCH connector	2
QD27R	17-22		11005223	Coil kit, 24V, DEUTSCH connector	2
QD29	17-22		11319361	Coil nut	2
QD29R	17-22		11319361	Coil nut	2
QD100	17-22		11025906	FNR control kit, 24V, manual override, DEUTSCH connector	1
QD101	17-22		11025906	FNR control kit, 24V, manual override, DEUTSCH connector	1

H1T control B5

Parts configuration

(B5)



* Included in overhaul seal kit Q210

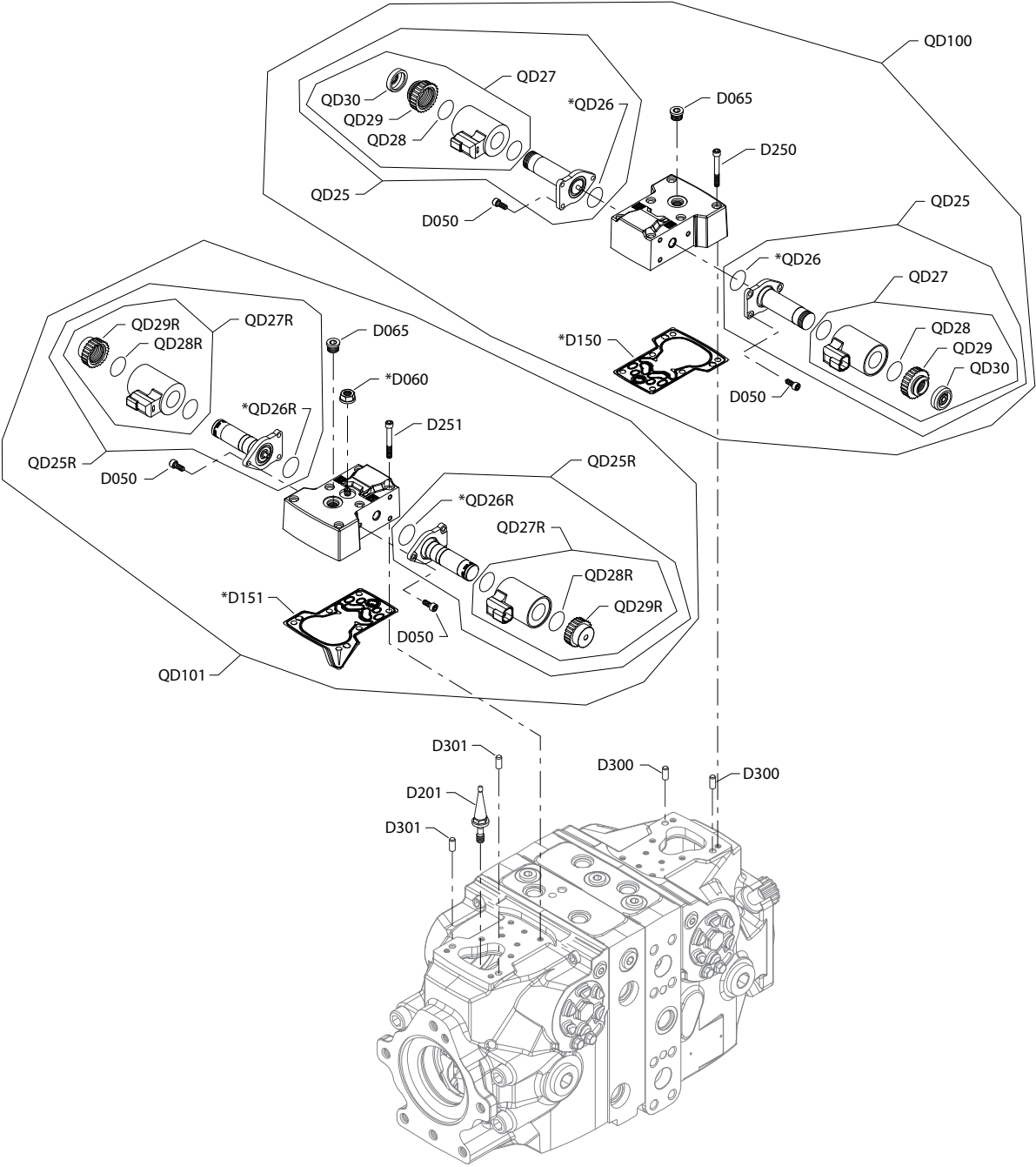
Order code: B5

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D055	17-22		11040532	Plug assembly	4
D067	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		141472	Screw, special	1
D201	17-22		141472	Screw, special	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
D450	17-22		11003097	Magnet carrier	1
D451	17-22		11003097	Magnet carrier	1
QD25	17-22		140750	Proportional solenoid, 12 volt	2
QD25R	17-22		140750	Proportional solenoid, 12 volt	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD27R	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319330	Coil nut	2
QD29R	17-22		11319330	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11050138	NFPE control kit, 12V, manual override	1
QD101	17-22		11050138	NFPE control kit, 12V, manual override	1

H1T control B6

Parts configuration

(B6)



* Included in overhaul seal kit Q210

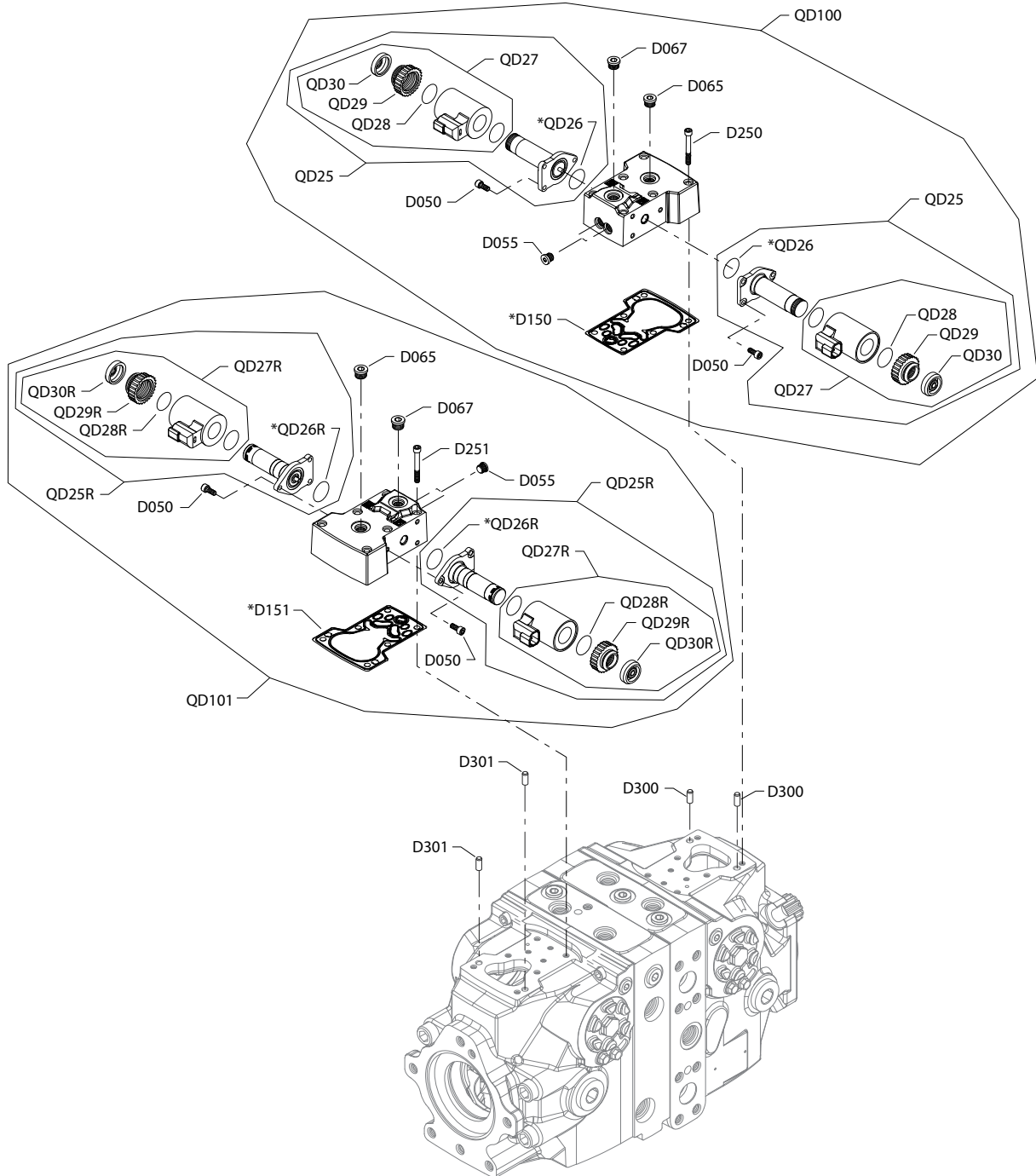
Order code: B6

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D060	17-22		612291 (9003508-0008)	Seal nut	1
D065	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D201	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD25	17-22		141301	Proportional solenoid, 12V, DEUTSCH connector, MOR	2
QD25R	17-22		11012457	Proportional solenoid, 12V, DEUTSCH connector	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11005222	Coil kit, 12V, DEUTSCH connector	2
QD27R	17-22		11028018	Coil kit, 12V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319330	Coil nut	2
QD29R	17-22		11027046	Coil nut	2
QD30	17-22		11027883	Cap	2
QD100	17-22		11025905	FNR control kit, 12V, manual override, DEUTSCH connector	1
QD101	17-22		11019680	EDC kit, 12V, high gain spool	1

H1T control B8

Parts configuration

(B8)



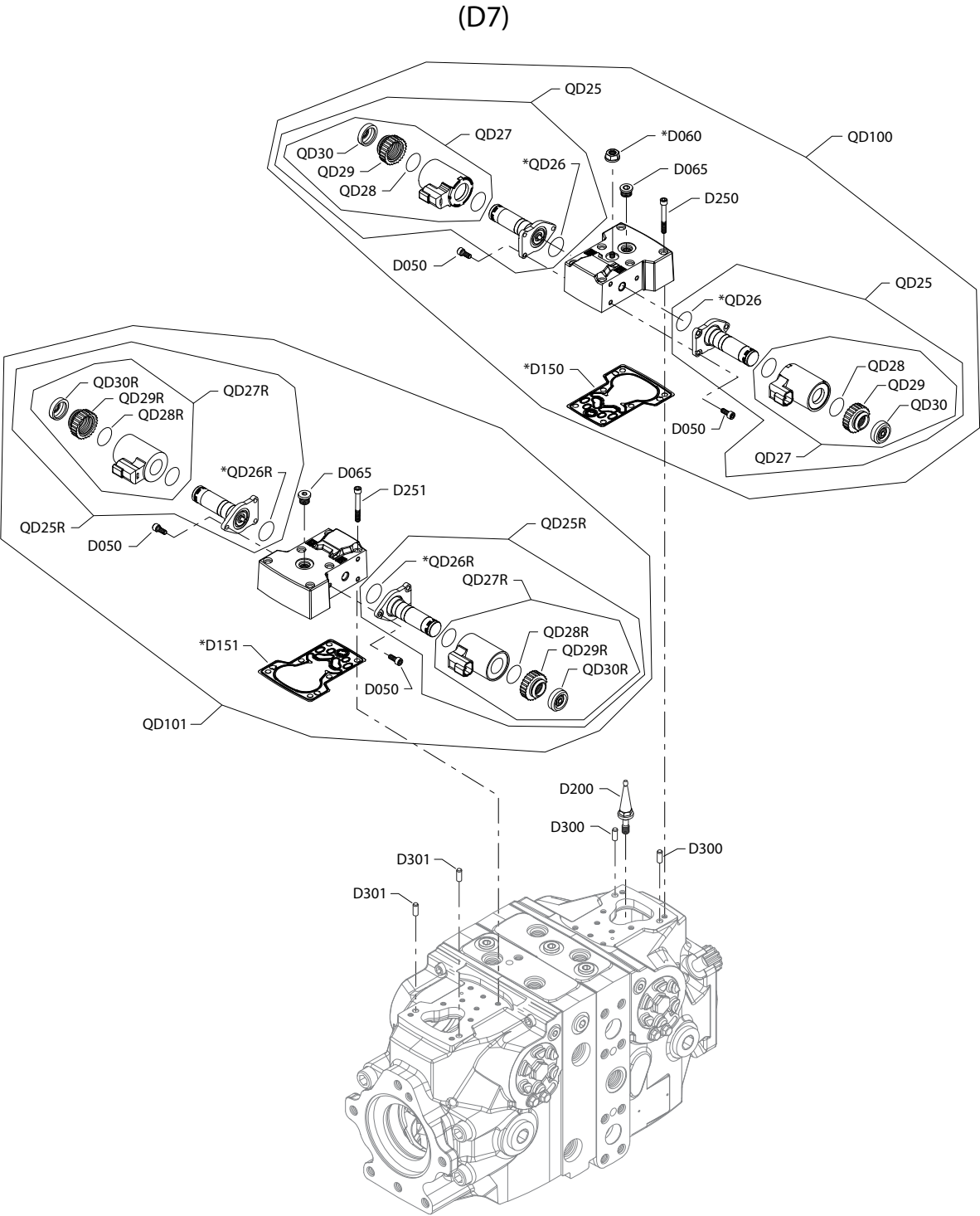
* Included in overhaul seal kit Q210

Order code: B8

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D055	17-22		11040532	Plug assembly	4
D065	17-22		140642	Plug assembly	2
D067	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD25	17-22		140751	Proportional solenoid, 24V, DEUTSCH connector	2
QD25R	17-22		140751	Proportional solenoid, 24V, DEUTSCH connector	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004700	Coil kit, 24V, DEUTSCH connector	2
QD27R	17-22		11004700	Coil kit, 24V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319361	Coil nut	2
QD29R	17-22		11319361	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11025904	NFPE control kit, 24V, manual override, DEUTSCH connector	1
QD101	17-22		11025904	NFPE control kit, 24V, manual override, DEUTSCH connector	1

H1T control D7

Parts configuration



* Included in overhaul seal kit Q210

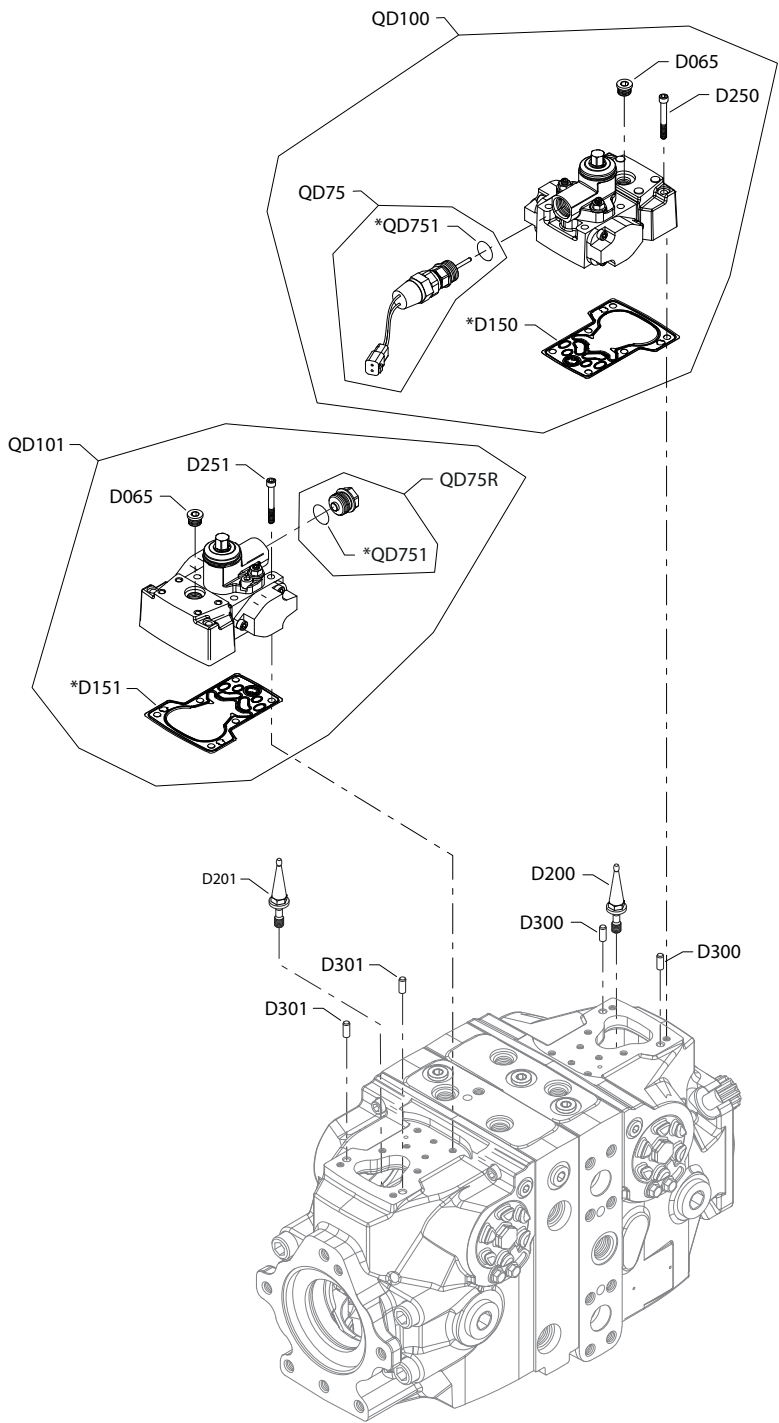
Order code: D7

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 X 12	12
D060	17-22		612291	Seal nut	1
D065	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD25	17-22		140750	Proportional solenoid, 12V, manual override, DEUTSCH	2
QD25R	17-22		141301	Proportional solenoid, 12V, DEUTSCH connector	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004698	Coil kit, 12V, manual override, DEUTSCH	2
QD27R	17-22		11005222	Coil kit, 12V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319330	Coil nut	2
QD29R	17-22		11319330	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11019732	EDC kit, 12V, manual override, DEUTSCH connector	1
QD101	17-22		11025905	FNR control kit, 12V, manual override, DEUTSCH connector	1

H1T control D9

Parts configuration

(D9)



* Included in overhaul seal kit Q210

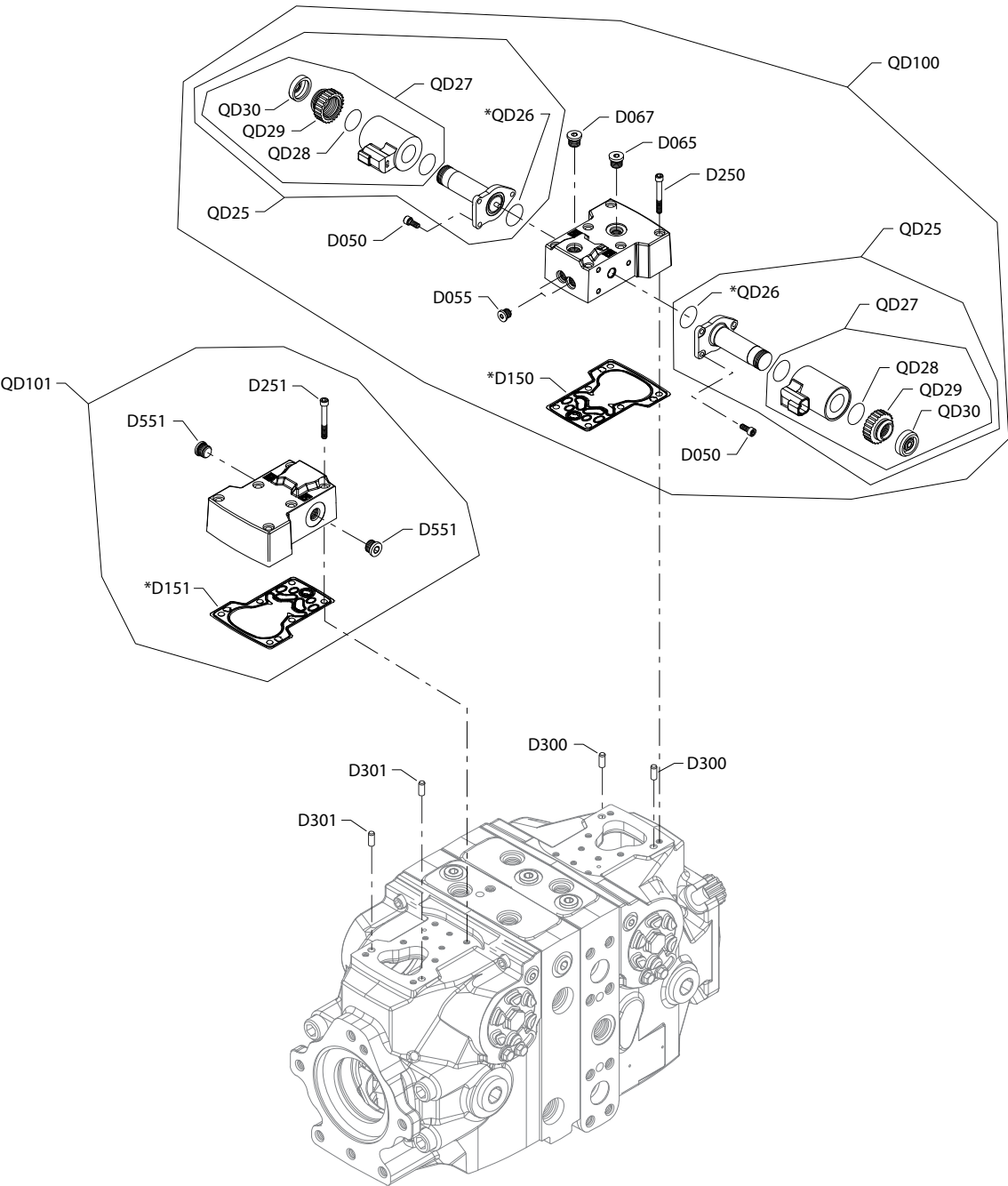
Order Code D9

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D065	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		11148827	Swashplate feedback link	1
D201	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 x 45	6
D251	17-22		505038	Screw, M6 x 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD75	17-22		11328169	Spring seat assembly, neutral start switch	1
QD75R	17-22		11119332	Spring seat assembly	1
QD100	17-22		11141236	MDC kit, neutral start switch	1
QD101	17-22		11141225	MDC kit	1
QD751	17-22		001131 (9004201-5000)	O-ring	2

H1T control E1

Parts configuration

(E1)



* Included in overhaul seal kit Q210

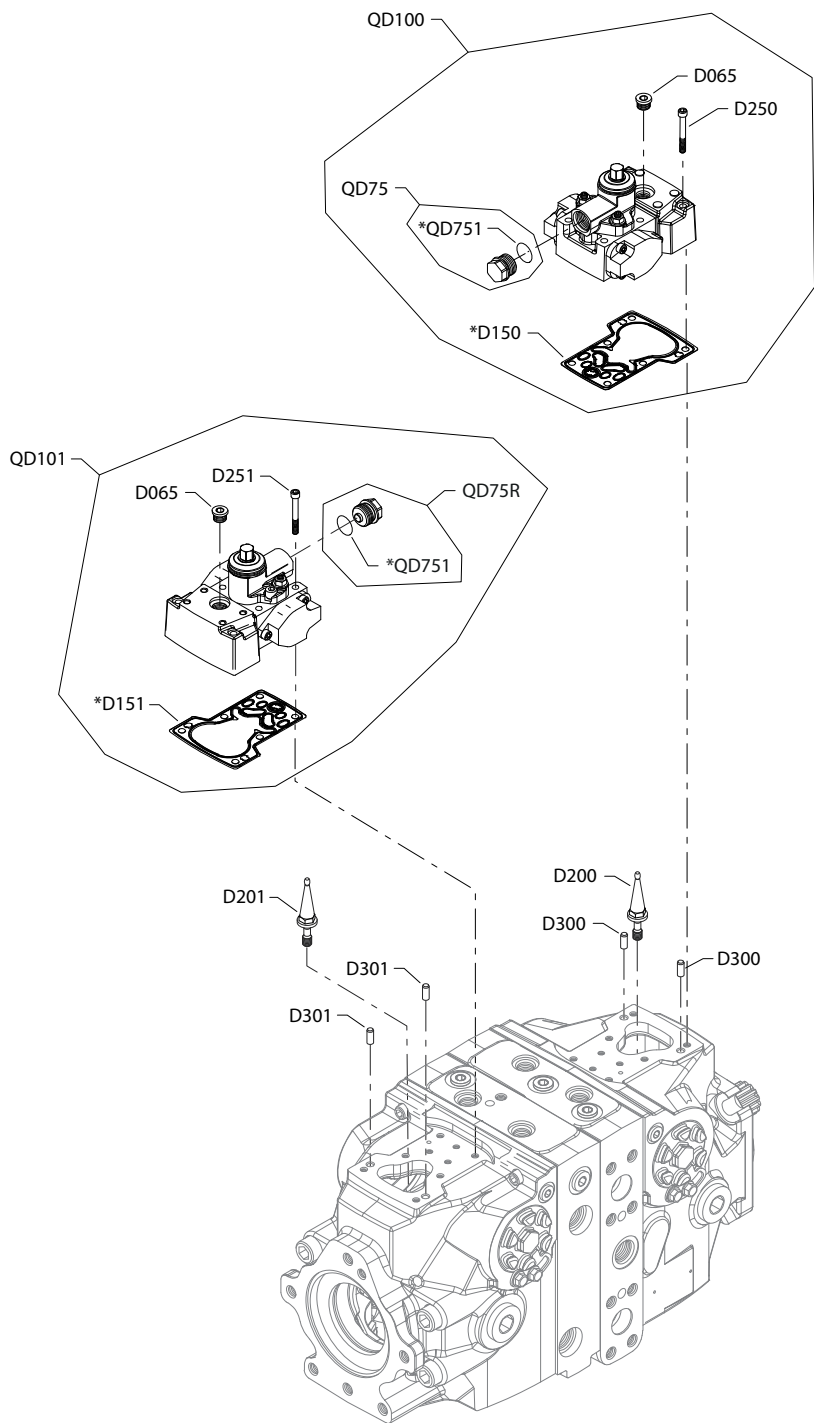
Order code: E1

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	6
D055	17-22		11040532	Plug assembly	2
D065	17-22		140642	Plug assembly	1
D067	17-22		140642	Plug assembly	1
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
D551	17-22		140644	Plug assembly	2
QD25	17-22		140750	Proportional solenoid, 12V, DEUTSCH connector	2
QD26	17-22		11001952	O-ring	2
QD27	17-22		11004698	Coil kit, 24V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD29	17-22		11319330	Coil nut	2
QD30	17-22		11027883	Cap	2
QD100	17-22		11015803	NFPE control kit, 12V, manual override, DEUTSCH connector	1
QD101	17-22		11109588	Remote servo supply kit	1

H1T control M1

Parts configuration

(M1)



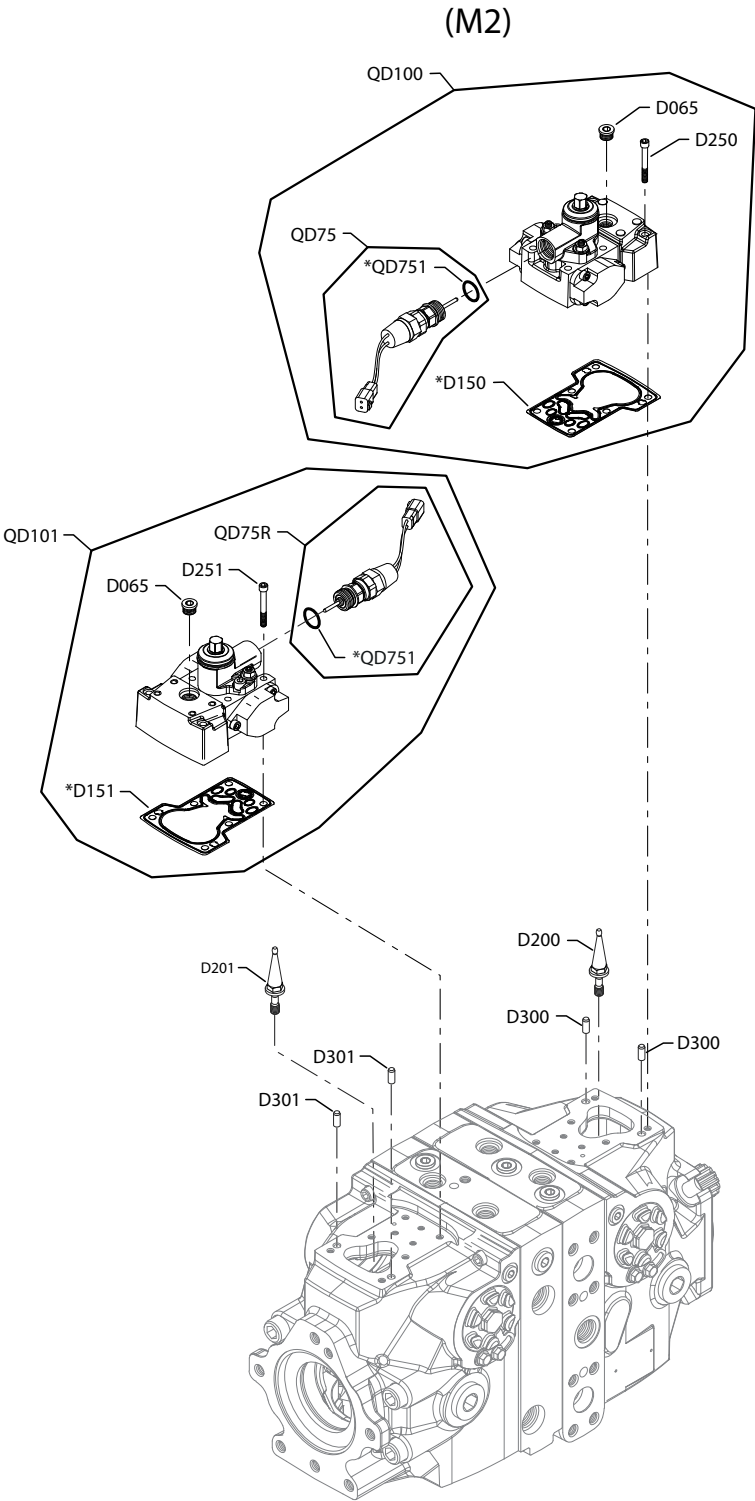
* Included in overhaul seal kit Q210

Order code: M1

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D065	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		11148827	Swashplate feedback link	1
D201	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 x 45	6
D251	17-22		505038	Screw, M6 x 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD75	17-22		11119332	Spring seat assembly	1
QD75R	17-22		11119332	Spring seat assembly	1
QD100	17-22		11141225	MDC kit	1
QD101	17-22		11141225	MDC kit	1
QD751	17-22		001131 (9004201-5000)	O-ring	2

H1T control M2

Parts configuration



* Included in overhaul seal kit

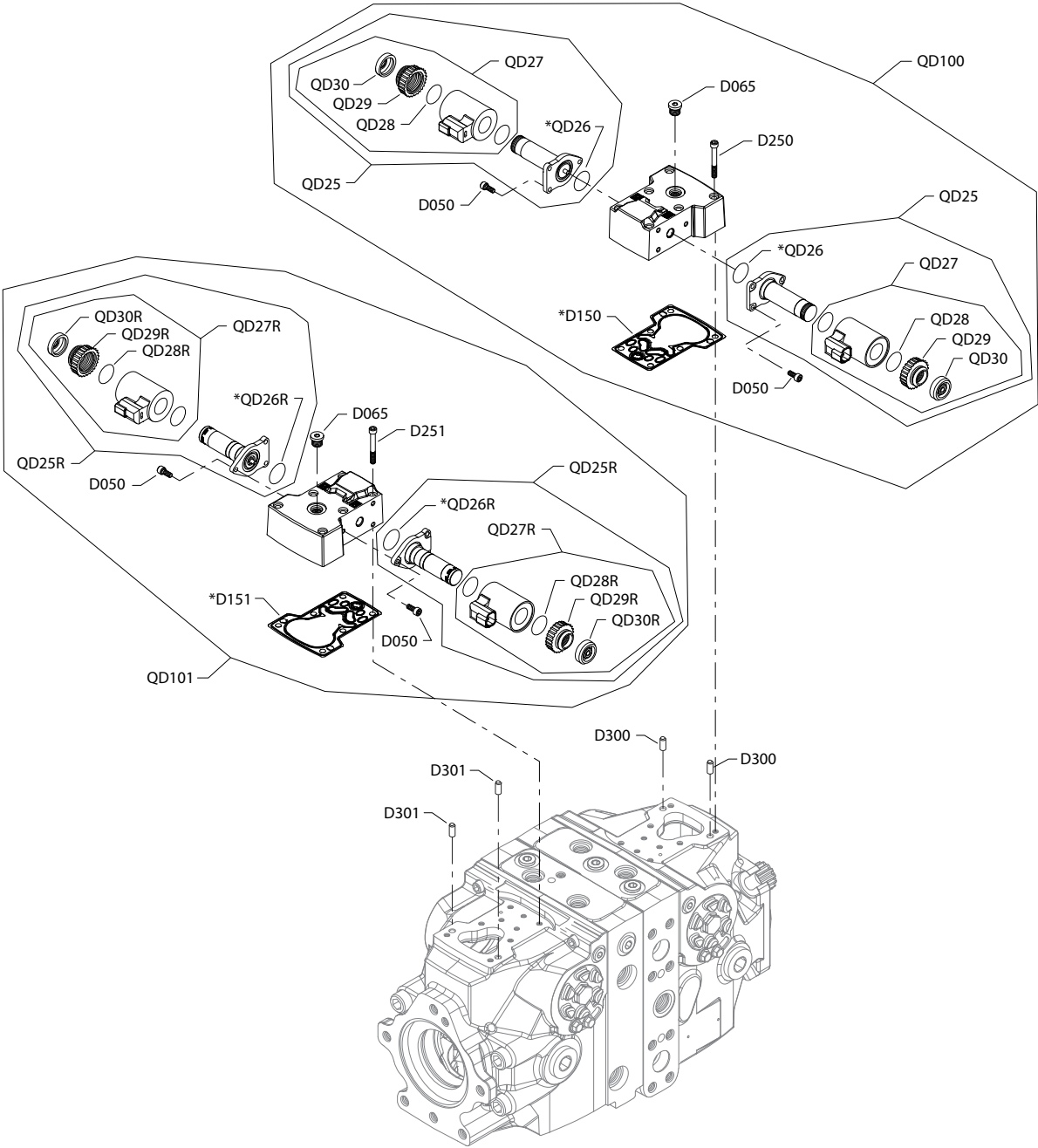
Order code: M2

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D065	17-22		140642	Plug assembly	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		11148827	Swashplate feedback link	1
D201	17-22		11148827	Swashplate feedback link	1
D250	17-22		505038	Screw, M6 x 45	6
D251	17-22		505038	Screw, M6 x 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD75	17-22		11119332	Spring seat assembly, neutral start switch	1
QD75R	17-22		11119332	Spring seat assembly, neutral start switch	1
QD100	17-22		11141236	MDC kit, neutral start switch	1
QD101	17-22		11141236	MDC kit, neutral start switch	1
QD751	17-22		001131 (9004201-5000)	O-ring	2

H1T control N1, N2

Parts configuration

(N1 & N2)



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D065	17-22		140642	Plug	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D250	17-22		505038	Screw, M6 x 45	6
D251	17-22		505038	Screw, M6 x 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2

Order code: N1

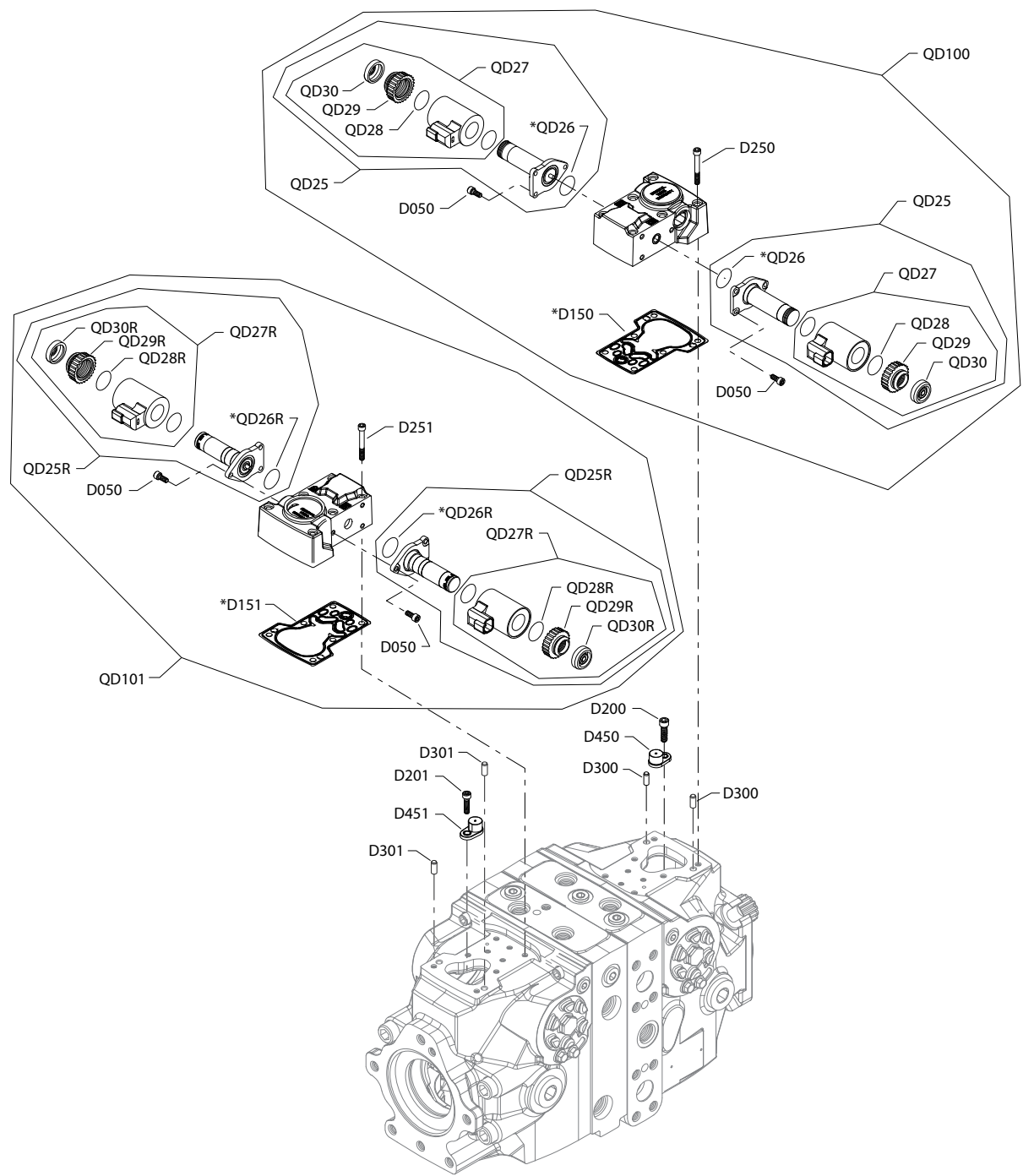
QD25	17-22		140750	Proportional solenoid, 12V	2
QD25R	17-22		140750	Proportional solenoid, 12V	2
QD27	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD27R	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD29	17-22		11319330	Coil nut	2
QD29R	17-22		11319330	Coil nut	2
QD100	17-22		11147921	NFPE control kit, 12V, manual override, DEUTSCH connector	1
QD101	17-22		11147921	NFPE control kit, 12V, manual override, DEUTSCH connector	1

Order code: N2

QD25	17-22		140751	Proportional solenoid, 24V, manual override, DEUTSCH	conn.2
QD25R	17-22		140751	Proportional solenoid, 24V, manual override, DEUTSCH	conn.2
QD27	17-22		11004700	Coil kit, 24V, manual override, DEUTSCH connector	2
QD27R	17-22		11004700	Coil kit, 24V, manual override, DEUTSCH connector	2
QD29	17-22		11319361	Coil nut	2
QD29R	17-22		11319361	Coil nut	2
QD100	17-22		11147925	NFPE control kit, 24V, manual override, DEUTSCH connector	1
QD101	17-22		11147925	NFPE control kit, 24V, manual override, DEUTSCH connector	1

H1T control N5
Parts configuration

(N5)



* Included in overhaul seal kit Q210

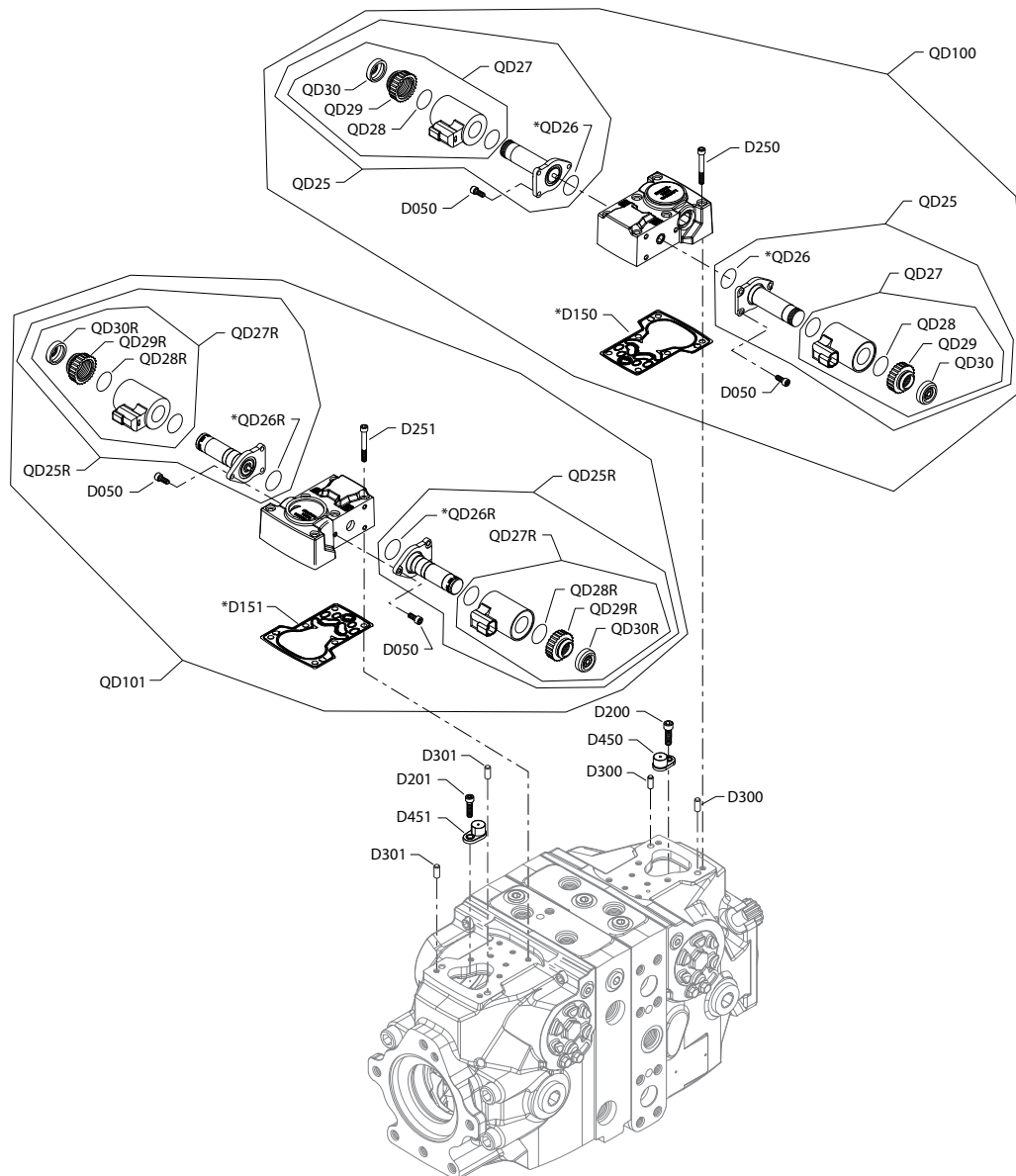
Order code: N5

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		141472	Screw, M8 x 30	1
D201	17-22		141472	Screw, M8 x 30	1
D250	17-22		505038	Screw, M6 x 45	6
D251	17-22		505038	Screw, M6 x 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
D450	17-22		11003097	Magnetic carrier	1
D451	17-22		11003097	Magnetic carrier	1
QD25	17-22		140750	Proportional solenoid, 12V	2
QD25R	17-22		140750	Proportional solenoid, 12V	2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD27R	17-22		11004698	Coil kit, 12V, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319330	Coil nut	2
QD29R	17-22		11319330	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11147918	NFPE control kit, 12V, manual override, DEUTSCH connector	1
QD101	17-22		11147918	NFPE control kit, 12V, manual override, DEUTSCH connector	1

H1T control N6

Parts configuration

(N6)

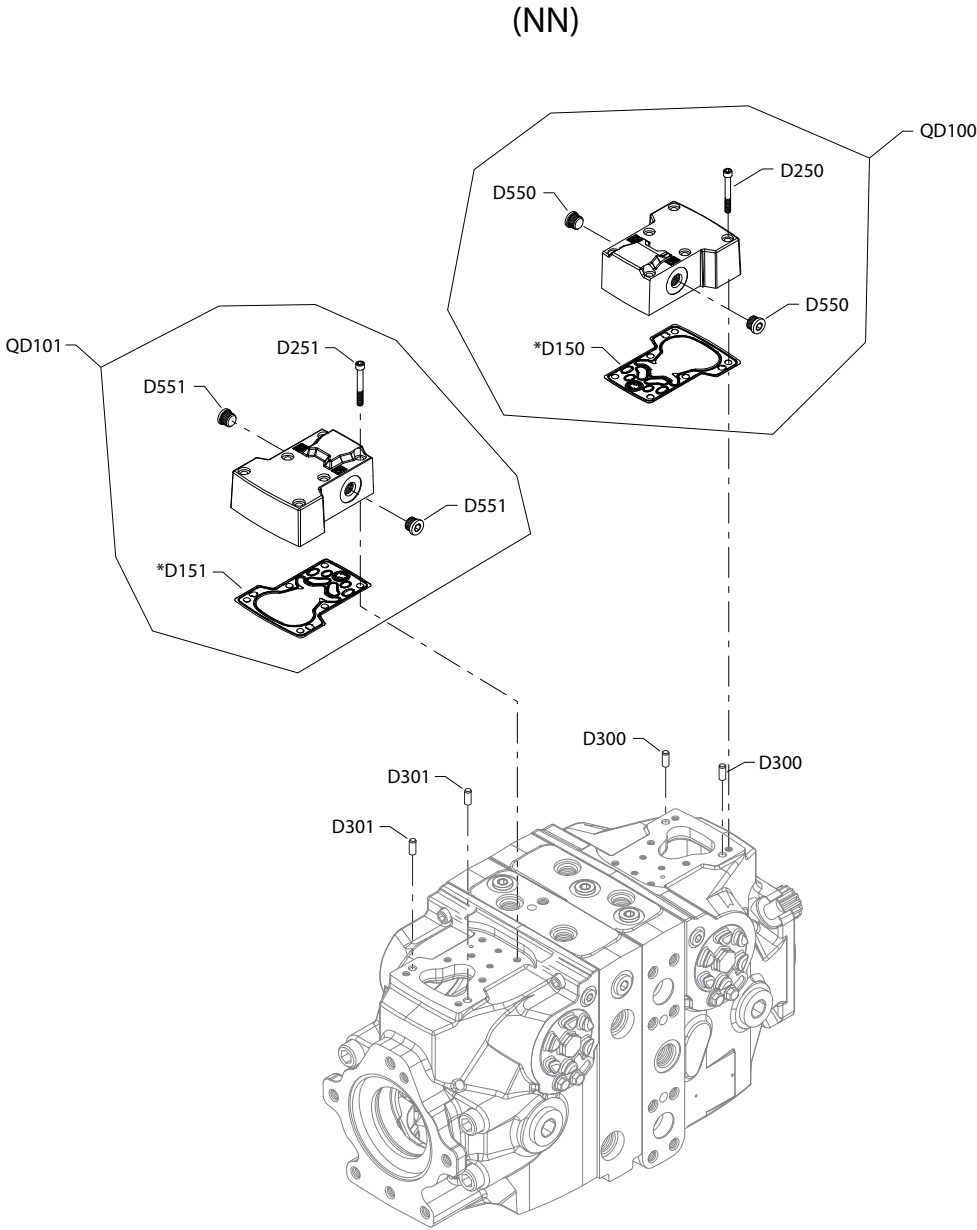


* Included in overhaul seal kit Q210

Order code: N6

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D050	17-22		716860	Screw, M5 x 12	12
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D200	17-22		141472	Screw, M8 x 30	1
D201	17-22		141472	Screw, M8 x 30	1
D250	17-22		505038	Screw, M6 x 45	6
D251	17-22		505038	Screw, M6 x 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
D450	17-22		11003097	Magnetic carrier	1
D451	17-22		11003097	Magnetic carrier	1
QD25	17-22		140751	Proportional solenoid, 24V, manual override, DEUTSCH	conn.2
QD25R	17-22		140751	Proportional solenoid, 24V, manual override, DEUTSCH	conn.2
QD26	17-22		11001952	O-ring	2
QD26R	17-22		11001952	O-ring	2
QD27	17-22		11004700	Coil kit, 24V, manual override, DEUTSCH connector	2
QD27R	17-22		11004700	Coil kit, 24V, manual override, DEUTSCH connector	2
QD28	17-22		063172	O-ring	2
QD28R	17-22		063172	O-ring	2
QD29	17-22		11319361	Coil nut	2
QD29R	17-22		11319361	Coil nut	2
QD30	17-22		11027883	Cap	2
QD30R	17-22		11027883	Cap	2
QD100	17-22		11147922	NFPE control kit, 24V, manual override, DEUTSCH connector	1
QD101	17-22		11147922	NFPE control kit, 24V, manual override, DEUTSCH connector	1

H1T control NN
Parts configuration



* Included in overhaul seal kit Q210

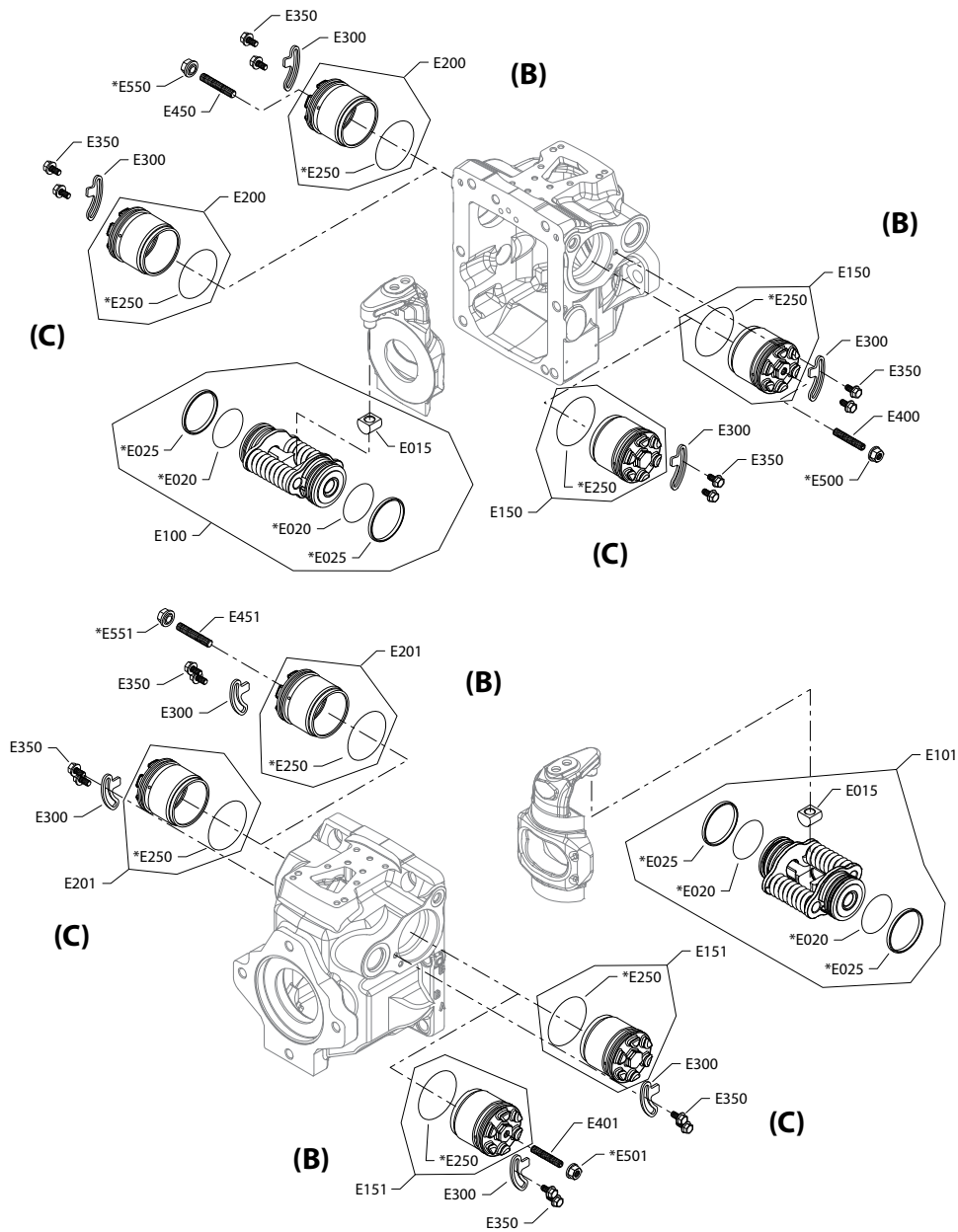
Order code: NN

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
D250	17-22		505038	Screw, M6 X 45	6
D251	17-22		505038	Screw, M6 X 45	6
D300	17-22		310979	Dowel pin	2
D301	17-22		310979	Dowel pin	2
D550	17-22		140644	Plug assembly	2
D551	17-22		140644	Plug assembly	2
QD100	17-22		11109588	Remote servo supply kit	1
QD101	17-22		11109588	Remote servo supply kit	1

Displacement limitation

H1T 60/68 displacement limitation B, C

Parts configuration



* Included in overhaul seal kit Q210

Order code: B

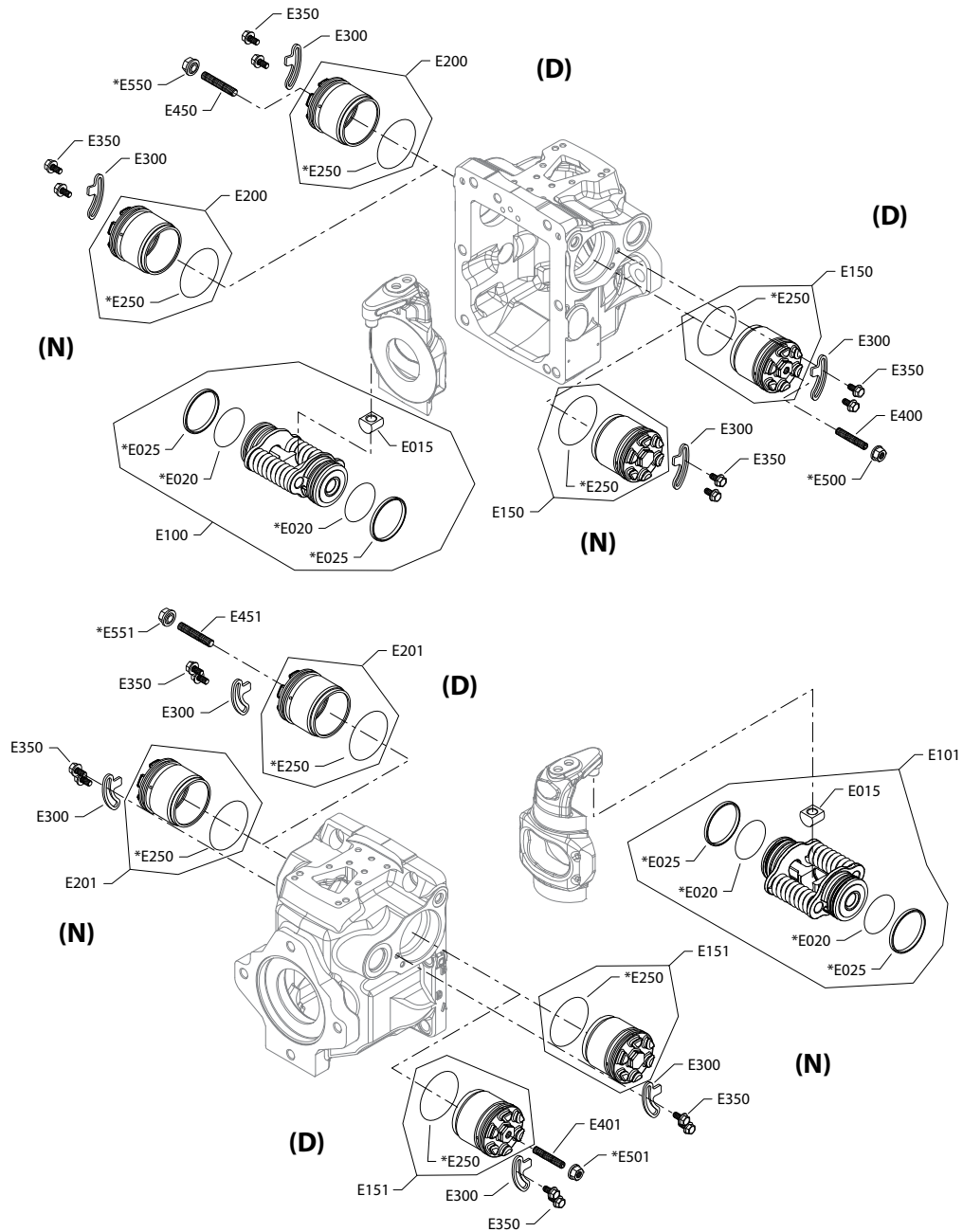
Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
E015	17-22		11141989	Slider block	2
E020	17-22		11045358	O-ring	4
E025	17-22		11040065	Piston ring	4
E100	17-22		11142039	Servo piston assembly	1
E101	17-22		11142039	Servo piston assembly	1
E150	17-22		11081815	Servo cylinder assembly, adjustable	1
E151	17-22		11081815	Servo cylinder assembly, adjustable	1
E200	17-22		11081815	Servo cylinder assembly, adjustable	1
E201	17-22		11081815	Servo cylinder assembly, adjustable	1
E250	17-22		11045233	O-ring	4
E300	17-22		11229549	Locking plate	4
E350	17-22		508438	Screw, M6 x 12	8
E400	17-22		719401	Set screw, M8 x 50	1
E401	17-22		719401	Set screw, M8 x 50	1
E450	17-22		719401	Set screw, M8 x 50	1
E451	17-22		719401	Set screw, M8 x 50	1
E500	17-22		505412 (9003509-0008)	Seal nut, M8	1
E501	17-22		505412 (9003509-0008)	Seal nut, M8	1
E550	17-22		505412 (9003509-0008)	Seal nut, M8	1
E551	17-22		505412 (9003509-0008)	Seal nut, M8	1

Order code: C

E015	17-22		11141989	Slider block	2
E020	17-22		11045358	O-ring	4
E025	17-22		11040065	Piston ring	4
E100	17-22		11142040	Servo piston assembly, nested spring	1
E101	17-22		11142040	Servo piston assembly, nested spring	1
E150	17-22		11081814	Servo cylinder assembly	1
E151	17-22		11081814	Servo cylinder assembly	1
E200	17-22		11081814	Servo cylinder assembly	1
E201	17-22		11081814	Servo cylinder assembly	1
E250	17-22		11045233	O-ring	4
E300	17-22		11229549	Locking plate	4
E350	17-22		508438	Screw, M6 x 12	8

H1T 60/68 displacement limitation D, N

Parts configuration



* Included in overhaul seal kit Q210

Order code: D

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
E015	17-22		11141989	Slider block (<i>SB-2011-020</i> on page 112)	2
E020	17-22		11045358	O-ring	4
E025	17-22		11040065	Piston ring	4
E100	17-22		11142040	Servo piston assembly, nested spring	1
E101	17-22		11142040	Servo piston assembly, nested spring	1
E150	17-22		11081815	Servo cylinder assembly, adjustable	1
E151	17-22		11081815	Servo cylinder assembly, adjustable	1
E200	17-22		11081815	Servo cylinder assembly, adjustable	1
E201	17-22		11081815	Servo cylinder assembly, adjustable	1
E250	17-22		11045233	O-ring	4
E300	17-22		11229549	Locking plate	4
E350	17-22		508438	Screw, M6 x 12	8
E400	17-22		719401	Set screw, M8 x 50	1
E401	17-22		719401	Set screw, M8 x 50	1
E450	17-22		719401	Set screw, M8 x 50	1
E451	17-22		719401	Set screw, M8 x 50	1
E500	17-22		505412 (9003509-0008)	Seal nut, M8	1
E501	17-22		505412 (9003509-0008)	Seal nut, M8	1
E550	17-22		505412 (9003509-0008)	Seal nut, M8	1
E551	17-22		505412 (9003509-0008)	Seal nut, M8	1

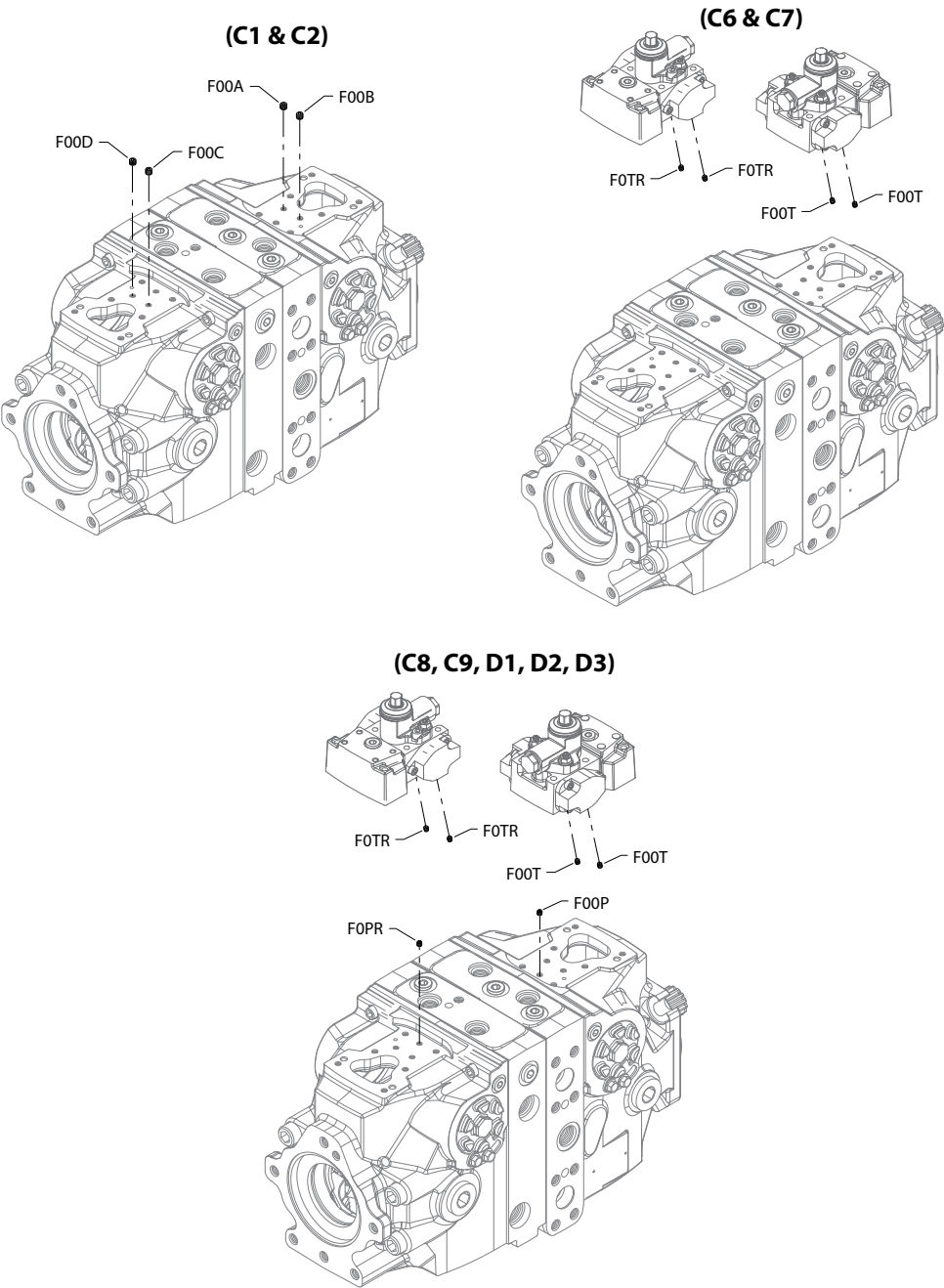
Order Code N

E015	17-22		11141989	Slider block	2
E020	17-22		11045358	O-ring	4
E025	17-22		11040065	Piston ring	4
E100	17-22		11142039	Servo piston assembly	1
E101	17-22		11142039	Servo piston assembly	1
E150	17-22		11081814	Servo cylinder assembly	1
E151	17-22		11081814	Servo cylinder assembly	1
E200	17-22		11081814	Servo cylinder assembly	1
E201	17-22		11081814	Servo cylinder assembly	1
E250	17-22		11045233	O-ring	4
E300	17-22		11229549	Locking plate	4
E350	17-22		508438	Screw, M6 x 12	8

Orifice

H1T 60/68 orifice C1-D3

Parts configuration



Order code: C1

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
F00A	17-22		140611	Orifice, 0.8, M6 x 0.75 mm	1
F00B	17-22		140611	Orifice, 0.8, M6 x 0.75 mm	1
F00C	17-22		140611	Orifice, 0.8, M6 x 0.75 mm	1
F00D	17-22		140611	Orifice, 0.8, M6 x 0.75 mm	1

Order code: C2

F00A	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00B	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00C	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00D	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1

Order code: C3

None					
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Order code: C6

F00T	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	2
F0TR	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	2

Order code: C7

F00T	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	2
F0TR	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	2

Order code: C8

F00P	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	1
F00T	17-22		11151733	Orifice, 0.6 M6 x 0.75 mm	2
F0PR	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	1
F0TR	17-22		11151733	Orifice, 0.6 M6 x 0.75 mm	2

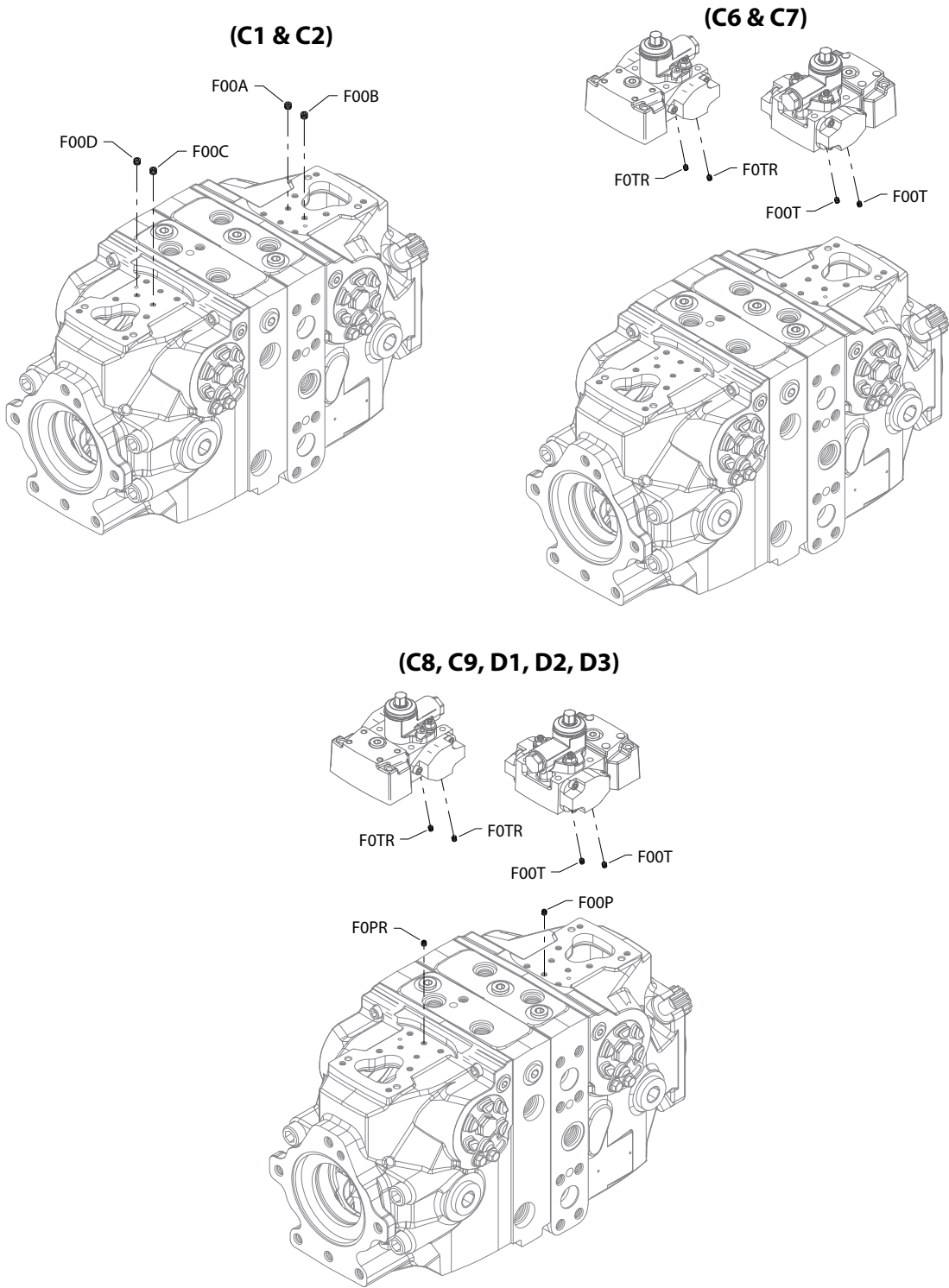
Order code: C9

F00P	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	1
F00T	17-22		11151733	Orifice, 0.6 M6 x 0.75 mm	2
F0PR	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	1
F0TR	17-22		11151733	Orifice, 0.6 M6 x 0.75 mm	2

**Note**

Parts continue to the next two pages.

Parts configuration



Order code: D1

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
F00P	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	1
F00T	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	2
F0PR	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	1
F0TR	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	2

Order code: D2

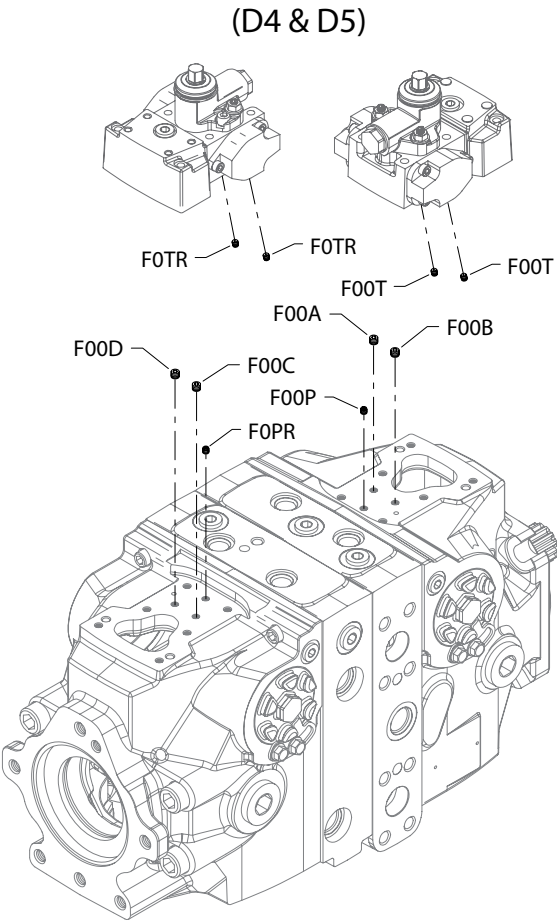
F00P	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00T	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	2
F0PR	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F0TR	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	2

Order code: D3

F00P	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00T	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	2
F0PR	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F0TR	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	2

H1T 60/68 orifice D4, D5

Parts configuration



Order code: D4

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
F00A	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00B	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00C	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00D	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00P	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F00T	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	2
F0PR	17-22		140754	Orifice, 1.3, M6 x 0.75 mm	1
F0TR	17-22		11151734	Orifice, 1.0 M6 x 0.75 mm	2

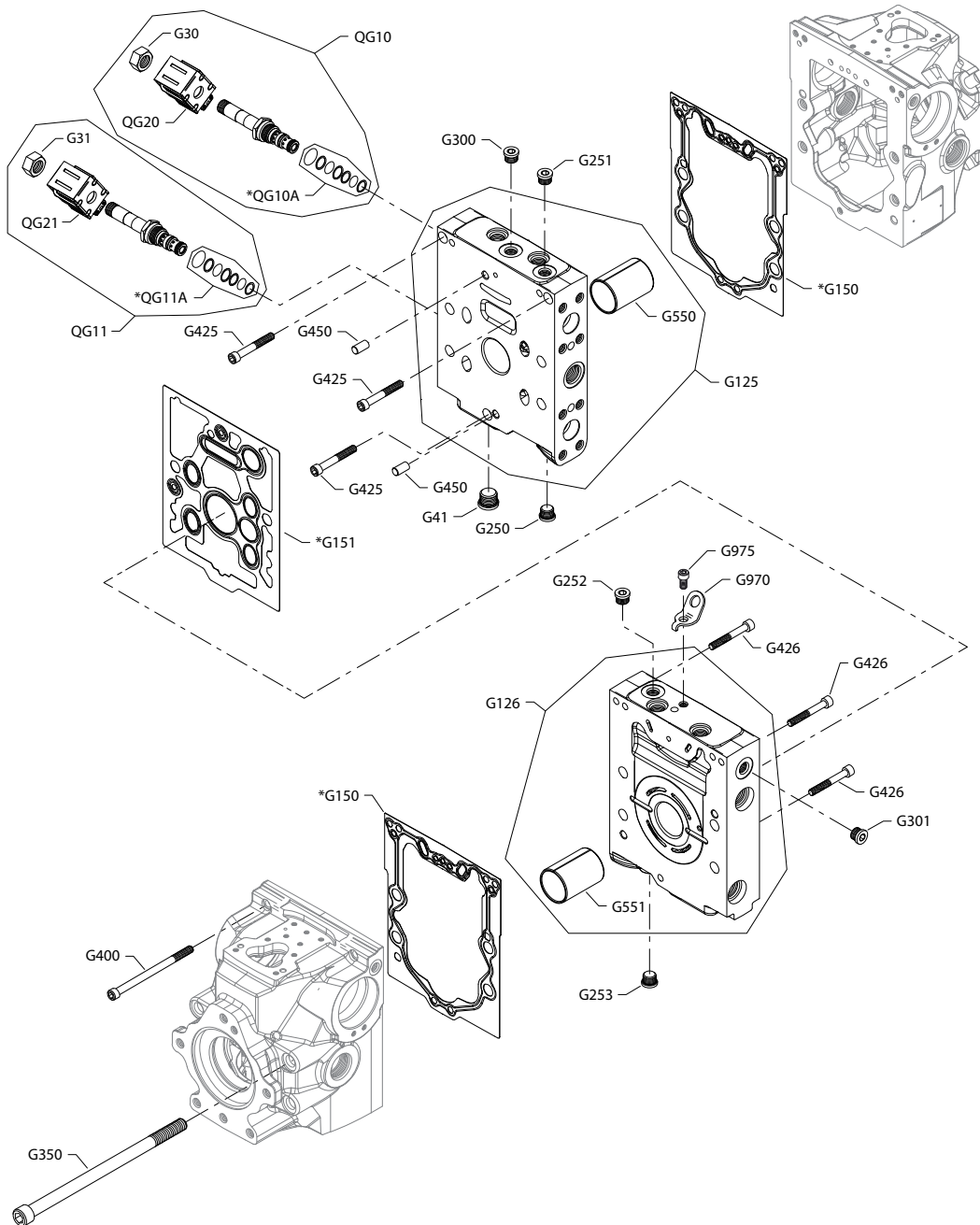
Order code: D5

F00A	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	1
F00B	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	1
F00C	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	1
F00D	17-22		140611	Orifice, 0.8 M6 x 0.75 mm	1
F00P	17-22		11151733	Orifice, 0.6 M6 x 0.75 mm	1
F00T	17-22		11151733	Orifice, 0.6 M6 x 0.75 mm	2
F0PR	17-22		11151733	Orifice, 0.6 M6 x 0.75 mm	1
F0TR	17-22		11151733	Orifice, 0.6 M6 x 0.75 mm	2

Centersection

H1T 60/68 centersection H3

Parts configuration



* Included in overhaul seal kit Q210

Order code: H3

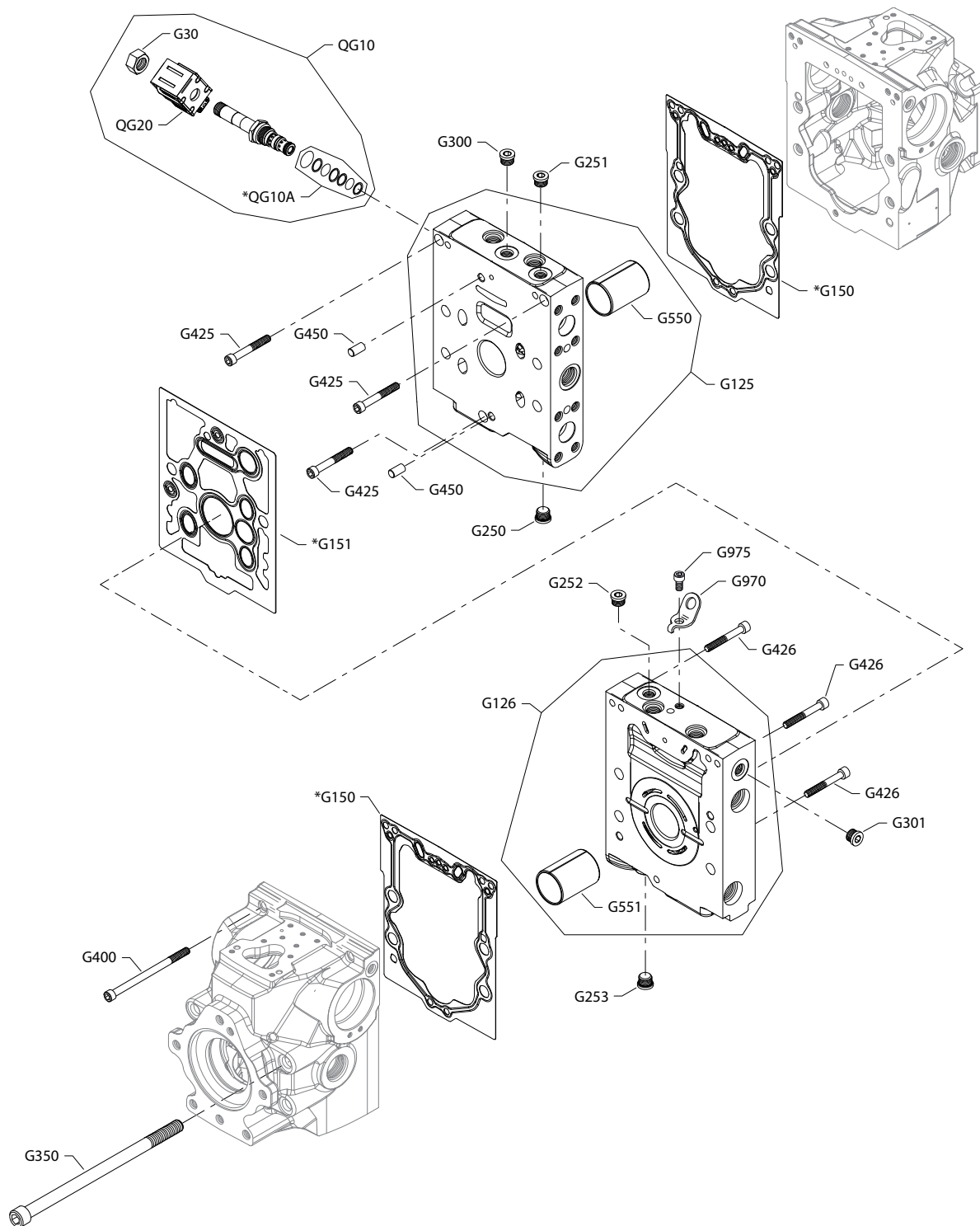
Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G30	17-22		11036497	Coil nut	1
G31	17-22		11036497	Coil nut	1
G41	17-22		9005110-7500	Plug assembly	1
G125	17-22		11125391	Centersection assembly, CW, A & B ports	1
G125	17-22		11143992	Centersection assembly, CCW, A & B ports	1
G126	17-22		11125389	Centersection assembly, CW, C & D ports	1
G126	17-22		11143997	Centersection assembly, CCW, C & D ports	1
G150	17-22		11123580	End cap gasket	2
G151	17-22		11159706	End cap gasket	1
G250	17-22		140644	Plug assembly	1
G251	17-22		140644	Plug assembly	1
G252	17-22		140644	Plug assembly	1
G253	17-22		140644	Plug assembly	1
G300	17-22		140644	Plug assembly	1
G301	17-22		140644	Plug assembly	1
G350	17-22		11121458	Screw, M14 x 270	4
G400	17-22		11121457	Screw, M8 x 150	2
G425	17-22		11121456	Screw, M8 x 60	3
G426	17-22		11121456	Screw, M8 x 60	3
G450	17-22		5000757	Pin	2
G550	17-22		11131650	Journal bearing	1
G551	17-22		11038841	Journal bearing	1
G970	17-22		11040737	Lifting bracket	1
G975	17-22		393686	Screw, M10 x 20	1
QG10	17-22		4510473	Control cut-off valve kit, 12 volt	1
QG10A	17-22		354003719	Cartridge seal kit	1
QG11	17-22		4510473	Control cut-off valve kit, 12 volt	1
QG11A	17-22		354003719	Cartridge seal kit	1
QG20	17-22		11160555	Coil, 12 volt, deutsch connector	1
QG21	17-22		11160555	Coil, 12 volt, deutsch connector	1

Order code: H4

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G30	17-22		11036497	Coil nut	1
G31	17-22		11036497	Coil nut	1
G41	17-22		9005110-7500	Plug assembly	1
G125	17-22		11125391	Centersection assembly, CW, A & B ports	1
G125	17-22		11143992	Centersection assembly, CCW, A & B ports	1
G126	17-22		11125389	Centersection assembly, CW, C & D ports	1
G126	17-22		11143997	Centersection assembly, CCW, C & D ports	1
G150	17-22		11123580	End cap gasket	2
G151	17-22		11159706	End cap gasket	1
G250	17-22		140644	Plug assembly	1
G251	17-22		140644	Plug assembly	1
G252	17-22		140644	Plug assembly	1
G253	17-22		140644	Plug assembly	1
G300	17-22		140644	Plug assembly	1
G301	17-22		140644	Plug assembly	1
G350	17-22		11121458	Screw, M14 x 270	4
G400	17-22		11121457	Screw, M8 x 150	2
G425	17-22		11121456	Screw, M8 x 60	3
G426	17-22		11121456	Screw, M8 x 60	3
G450	17-22		5000757	Pin	2
G550	17-22		11131650	Journal bearing	1
G551	17-22		11038841	Journal bearing	1
G970	17-22		11040737	Lifting bracket	1
G975	17-22		393686	Screw, M10 x 20	1
QG10	17-22		11015625	Control cut-off valve kit, 24 volt	1
QG10A	17-22		354003719	Cartridge seal kit	1
QG11	17-22		11015625	Control cut-off valve kit, 24 volt	1
QG11A	17-22		354003719	Cartridge seal kit	1
QG20	17-22		11160558	Coil, 24 volt, deutsch connector	1
QG21	17-22		11160558	Coil, 24 volt, deutsch connector	1

H1T 60/68 centersection H5

Parts configuration



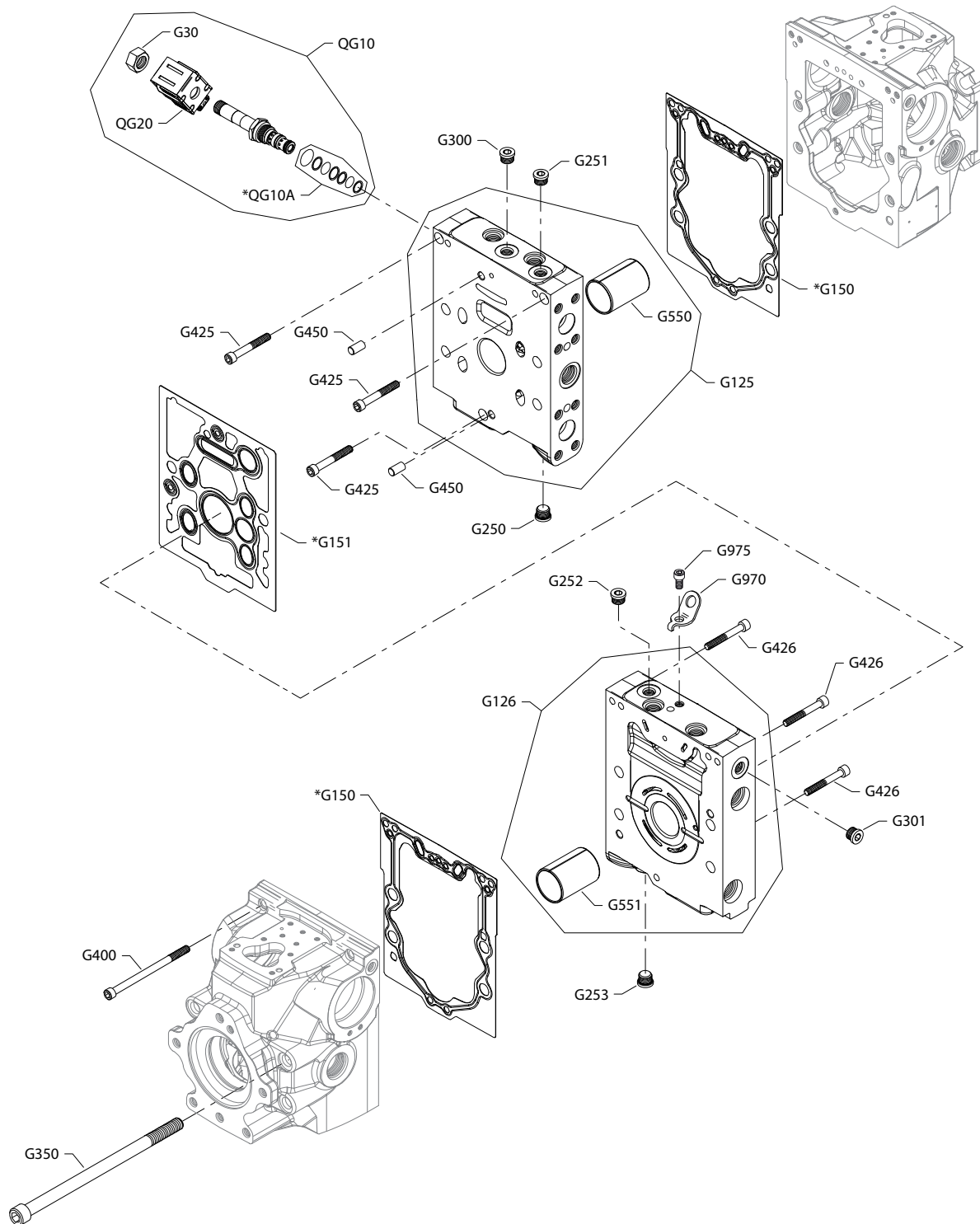
* Included in overhaul seal kit Q210

Order code: H5

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G30	17-22		11036497	Coil nut	1
G125	17-22		11143989	Centersection assembly, CW, A & B ports	1
G125	17-22		11143993	Centersection assembly, CCW, A & B ports	1
G126	17-22		11125389	Centersection assembly, CW, C & D ports	1
G126	17-22		11143997	Centersection assembly, CCW, C & D ports	1
G150	17-22		11123580	End cap gasket	2
G151	17-22		11159706	End cap gasket	1
G250	17-22		140644	Plug assembly	1
G251	17-22		140644	Plug assembly	1
G252	17-22		140644	Plug assembly	1
G253	17-22		140644	Plug assembly	1
G300	17-22		140644	Plug assembly	1
G301	17-22		140644	Plug assembly	1
G350	17-22		11121458	Screw, M14 x 270	4
G400	17-22		11121457	Screw, M8 x 150	2
G425	17-22		11121456	Screw, M8 x 60	3
G426	17-22		11121456	Screw, M8 x 60	3
G450	17-22		5000757	Pin	2
G550	17-22		11131650	Journal bearing	1
G551	17-22		11038841	Journal bearing	1
G970	17-22		11040737	Lifting bracket	1
G975	17-22		393686	Screw, M10 x 20	1
QG10	17-22		4510473	Control cut-off valve kit, 12 volt	1
QG10A	17-22		354003719	Cartridge seal kit	1
QG20	17-22		11160555	Coil, 12 volt, DEUTSCH connector	1

H1T 60/68 centersection H6

Parts configuration



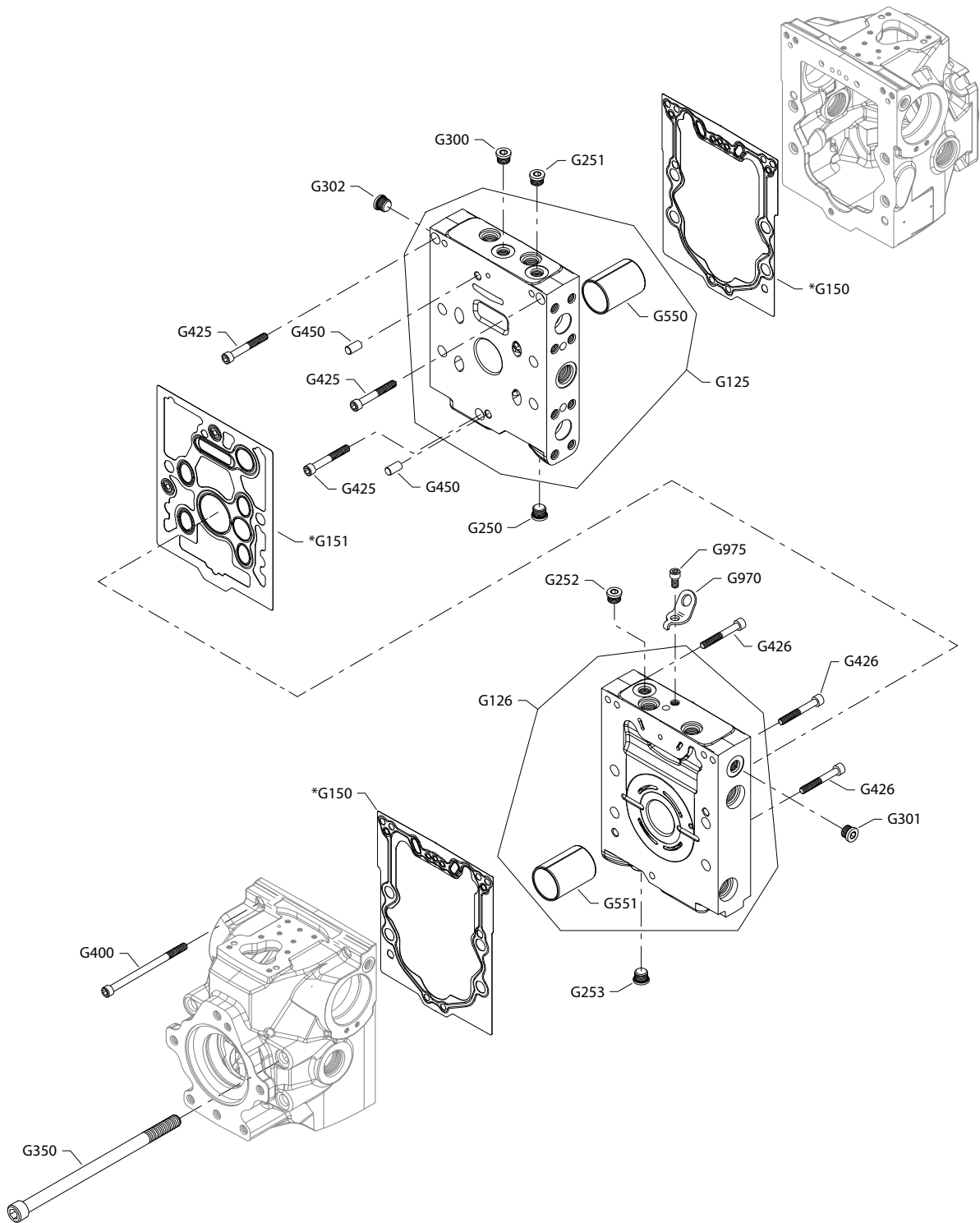
* Included in overhaul seal kit Q210

Order code: H6

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G30	17-22		11036497	Coil nut	1
G125	17-22		11143989	Centersection assembly, CW, A & B ports	1
G125	17-22		11143993	Centersection assembly, CCW, A & B ports	1
G126	17-22		11125389	Centersection assembly, CW, C & D ports	1
G126	17-22		11143997	Centersection assembly, CCW, C & D ports	1
G150	17-22		11123580	End cap gasket	2
G151	17-22		11159706	End cap gasket	1
G250	17-22		140644	Plug assembly	1
G251	17-22		140644	Plug assembly	1
G252	17-22		140644	Plug assembly	1
G253	17-22		140644	Plug assembly	1
G300	17-22		140644	Plug assembly	1
G301	17-22		140644	Plug assembly	1
G350	17-22		11121458	Screw, M14 x 270	4
G400	17-22		11121457	Screw, M8 x 150	2
G425	17-22		11121456	Screw, M8 x 60	3
G426	17-22		11121456	Screw, M8 x 60	3
G450	17-22		5000757	Pin	2
G550	17-22		11131650	Journal bearing	1
G551	17-22		11038841	Journal bearing	1
G970	17-22		11040737	Lifting bracket	1
G975	17-22		393686	Screw, M10 x 20	1
QG10	17-22		11015625	Control cut-off valve kit, 24 volt	1
QG10A	17-22		354003719	Cartridge seal kit	1
QG20	17-22		11160558	Coil, 24 volt, DEUTSCH connector	1

H1T 60/68 centersection H7 (SAE)

Parts configuration



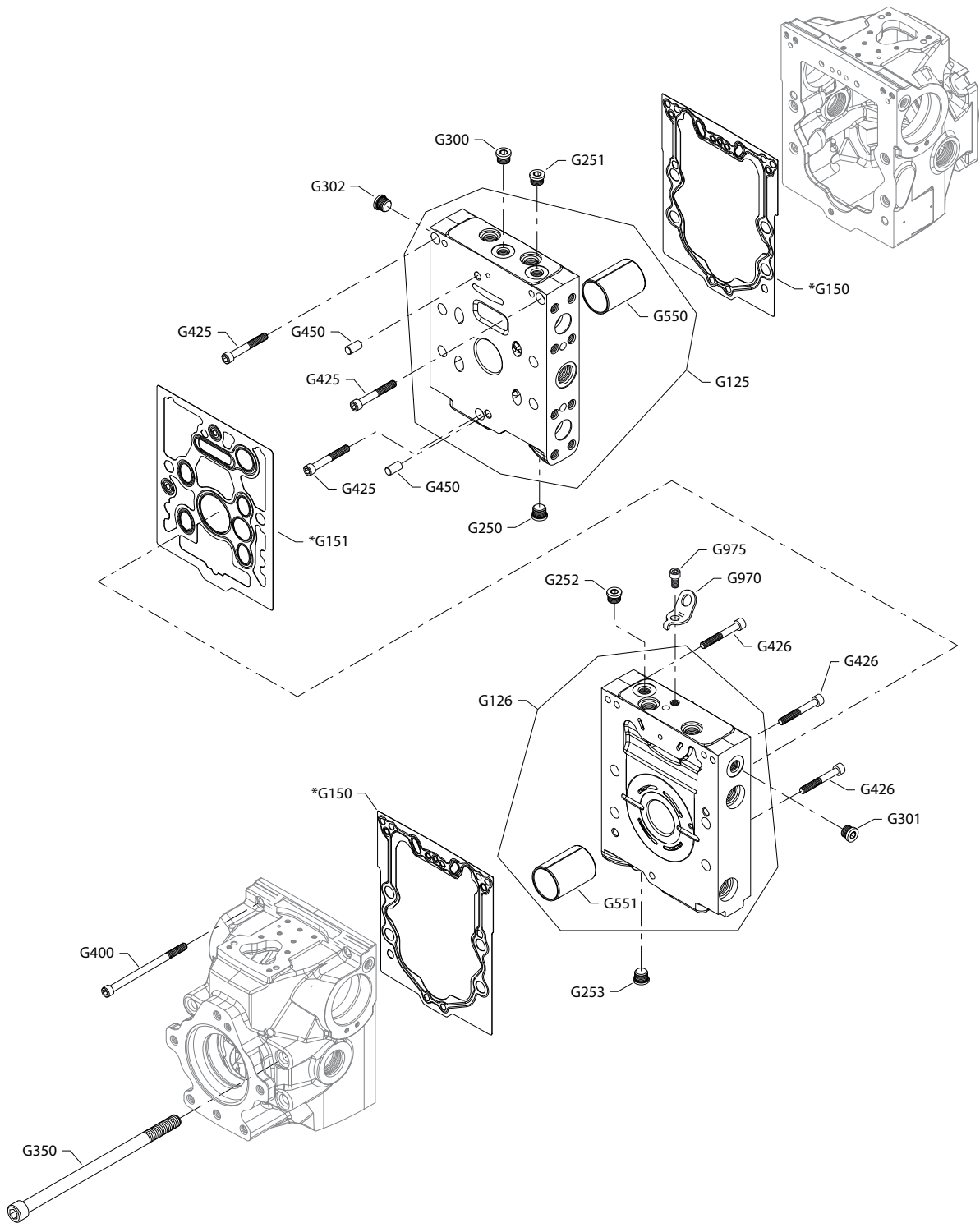
* Included in overhaul seal kit Q210

Order code: H7 (SAE)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G125	17-22		11143990	Centersection assembly, CW, A & B ports	1
G125	17-22		11143994	Centersection assembly, CCW, A & B ports	1
G126	17-22		11125389	Centersection assembly, CW, C & D ports	1
G126	17-22		11143997	Centersection assembly, CCW, C & D ports	1
G150	17-22		11123580	End cap gasket	2
G151	17-22		11159706	End cap gasket	1
G250	17-22		140644	Plug assembly	1
G251	17-22		140644	Plug assembly	1
G252	17-22		140644	Plug assembly	1
G253	17-22		140644	Plug assembly	1
G300	17-22		140644	Plug assembly	1
G301	17-22		140644	Plug assembly	1
G302	17-22		140644	Plug assembly	1
G350	17-22		11121458	Screw, M14 x 270	4
G400	17-22		11121457	Screw, M8 x 150	2
G425	17-22		11121456	Screw, M8 x 60	3
G426	17-22		11121456	Screw, M8 x 60	3
G450	17-22		5000757	Pin	2
G550	17-22		11131650	Journal bearing	1
G551	17-22		11038841	Journal bearing	1
G970	17-22		11040737	Lifting bracket	1
G975	17-22		393686	Screw, M10 x 20	1

H1T 60/68 centersection H7 (metric)

Parts configuration



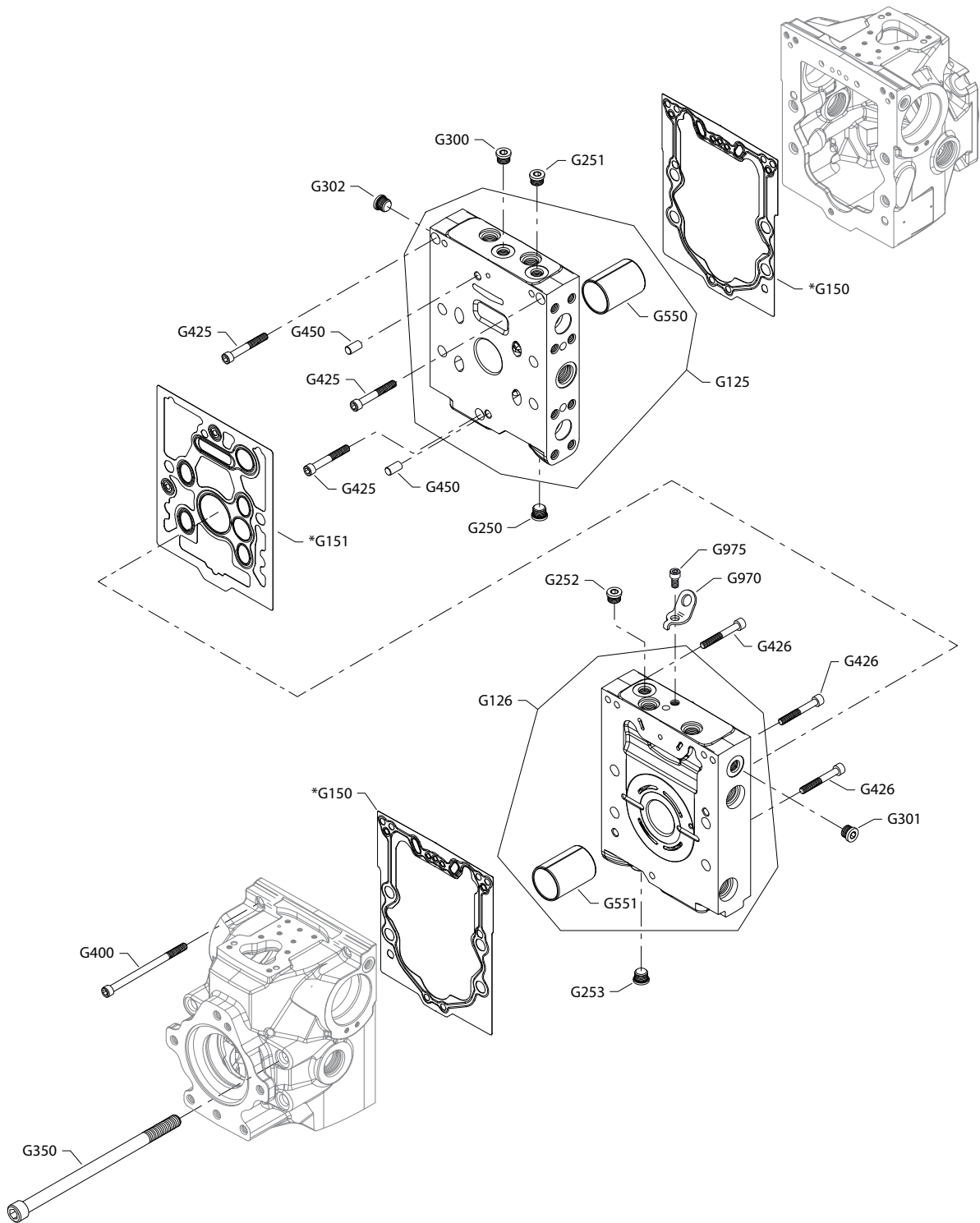
* Included in overhaul seal kit Q210

Order code: H7 (metric)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G125	17-22		11171724	Centersection assembly, CW, A & B ports, metric	1
G126	17-22		11171725	Centersection assembly, CW, C & D ports, metric	1
G150	17-22		11123580	End cap gasket	2
G151	17-22		11159706	End cap gasket	1
G250	17-22		11178808	Plug assembly, M14	1
G251	17-22		11178808	Plug assembly, M14	1
G252	17-22		11178808	Plug assembly, M14	1
G253	17-22		11178808	Plug assembly, M14	1
G300	17-22		11178808	Plug assembly, M14	1
G301	17-22		11178808	Plug assembly, M14	1
G302	17-22		11178808	Plug assembly, M14	1
G350	17-22		11121458	Screw, M14 x 270	4
G400	17-22		11121457	Screw, M8 x 150	2
G425	17-22		11121456	Screw, M8 x 60	3
G426	17-22		11121456	Screw, M8 x 60	3
G450	17-22		5000757	Pin	2
G550	17-22		11131650	Journal bearing	1
G551	17-22		11038841	Journal bearing	1
G970	17-22		11040737	Lifting bracket	1
G975	17-22		393686	Screw, M10 x 20	1

H1T 60/68 centersection H8

Parts configuration



* Included in overhaul seal kit Q210

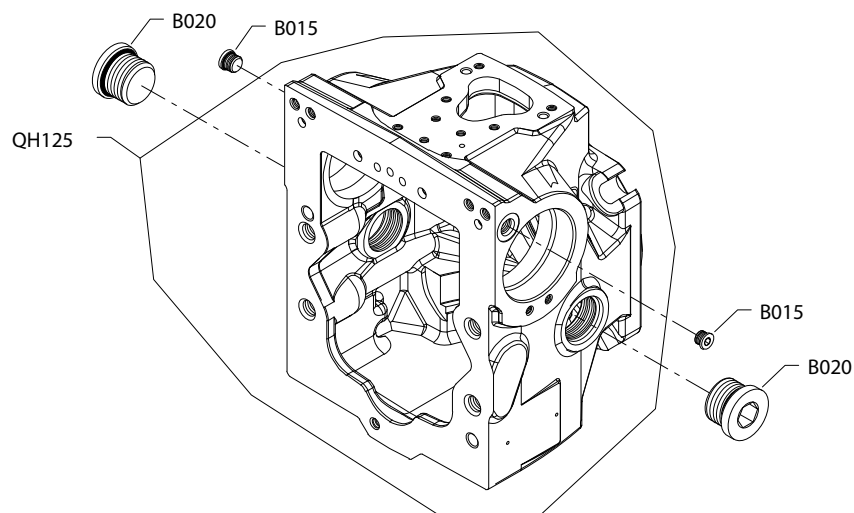
Order code: H8

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G125	17-22		11143991	Centersection assembly, CW, A & B ports	1
G125	17-22		11143995	Centersection assembly, CCW, A & B ports	1
G126	17-22		11143996	Centersection assembly, CW, C & D ports	1
G126	17-22		11143998	Centersection assembly, CCW, C & D ports	1
G150	17-22		11123580	End cap gasket	2
G151	17-22		11159706	End cap gasket	1
G250	17-22		140644	Plug assembly	1
G251	17-22		140644	Plug assembly	1
G252	17-22		140644	Plug assembly	1
G253	17-22		140644	Plug assembly	1
G300	17-22		140644	Plug assembly	1
G301	17-22		140644	Plug assembly	1
G302	17-22		140644	Plug assembly	1
G350	17-22		11121458	Screw, M14 x 270	4
G400	17-22		11121457	Screw, M8 x 150	2
G425	17-22		11121456	Screw, M8 x 60	3
G426	17-22		11121456	Screw, M8 x 60	3
G450	17-22		5000757	Pin	2
G550	17-22		11131650	Journal bearing	1
G551	17-22		11038841	Journal bearing	1
G970	17-22		11040737	Lifting bracket	1
G975	17-22		393686	Screw, M10 x 20	1

Housing

H1T 60/68 mounting flange H

Parts configuration



* Included in overhaul seal kit Q210

Order code: H (SAE)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B015	17-22		9005110-4400	Plug assembly	2
B020	17-22		320002 (9005110-9200)	Plug assembly	2
B040	17-22		140967	Screen	2
QH125	17-22		11173966	Pump housing assembly, front	1

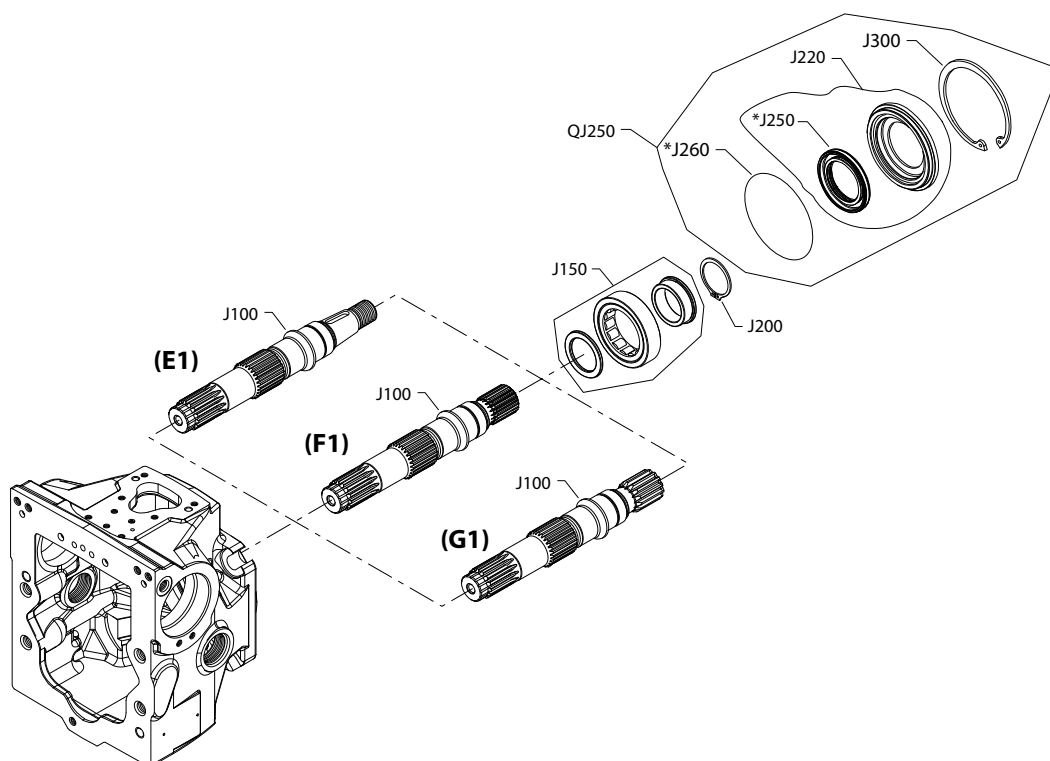
Order code: H (metric)

B015	17-22		5000572	Plug assembly, M12	2
B020	17-22		11164204	Plug assembly, M33	2
B040	17-22		140967	Screen	2
QH125	17-22		11176943	Pump housing assembly, front, metric	1

Shaft

H1T 60/68 shaft E1-G1

Parts configuration



* Included in overhaul seal kit Q210

Order code: E1

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
J100	17-22		11039239	Shaft, tapered	1
J150	17-22		357616	Roller bearing	1
J200	17-22		9006300-0137	Retaining ring	1
J250	17-22		141936	Lip seal	1
J260	17-22		9004104-2310	O-ring	1
J300	17-22		9006200-0281	Retaining ring	1
QJ250	17-22		11077181	Shaft seal kit	1

Order code: F1

J100	17-22		11038239	Shaft, 21 tooth spline	1
J150	17-22		357616	Roller bearing	1
J200	17-22		9006300-0137	Retaining ring	1
J250	17-22		141936	Lip seal	1
J260	17-22		9004104-2310	O-ring	1
J300	17-22		9006200-0281	Retaining ring	1
QJ250	17-22		11077181	Shaft seal kit	1

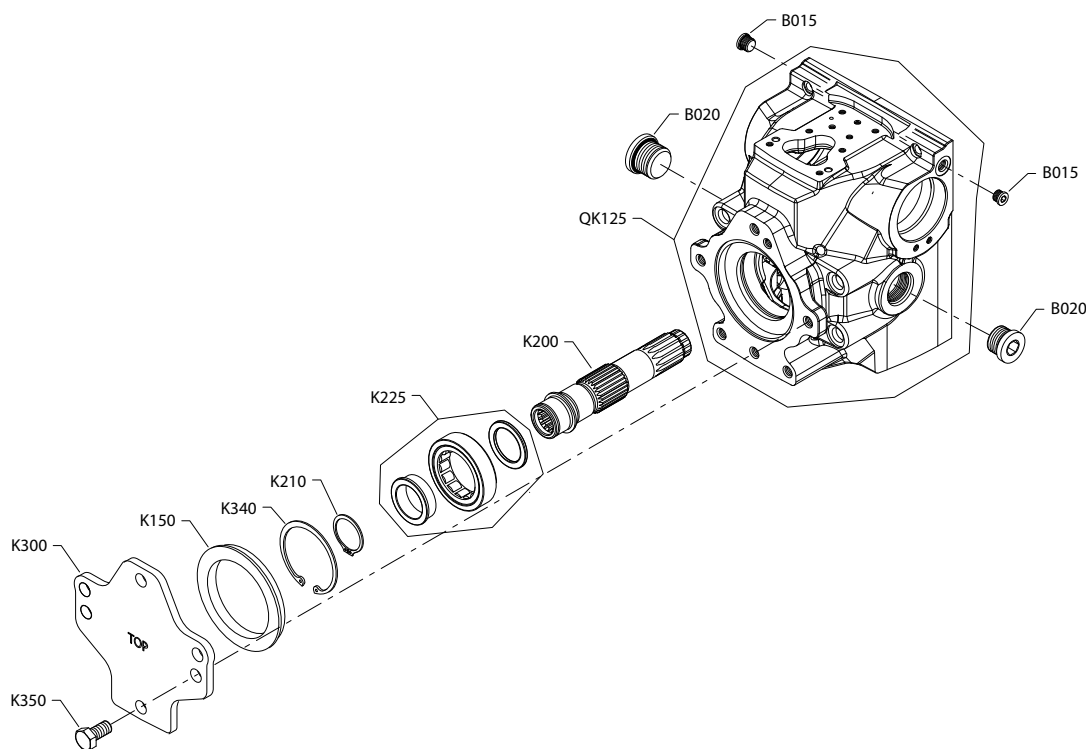
Order code: G1

J100	17-22		11038238	Shaft, 14 tooth spline	1
J150	17-22		357616	Roller bearing	1
J200	17-22		9006300-0137	Retaining ring	1
J250	17-22		141936	Lip seal	1
J260	17-22		9004104-2310	O-ring	1
J300	17-22		9006200-0281	Retaining ring	1
QJ250	17-22		11077181	Shaft seal kit	1

Auxiliary mounting

H1T 60/68 aux mounting H3, H5

Parts configuration



Order code: H3 (SAE)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B015	17-22		9005110-4400	Plug assembly	2
B020	17-22		320002 (9005110-9200)	Plug assembly	2
K150	17-22		8801061	B pad seal	1
K200	17-22		11100497	Shaft, 13 tooth internal splines, 16/32 pitch	1
K210	17-22		9006300-0137	Retaining ring	1
K225	17-22		357616	Roller bearing	1
K300	17-22		141561	Flange cover	1
K340	17-22		9006200-0281	Retaining ring	1
K350	17-22		5000760	Screw, M12 x 20	4
QK125	17-22		11173968	Housing assembly, auxiliary flange, SAE B	1

Order code: H3 (metric)

B015	17-22		5000572	Plug assembly, M12	2
B020	17-22		11164204	Plug assembly, M33	2
K150	17-22		8801061	B pad seal	1
K200	17-22		11100497	Shaft, 13 tooth internal splines, 16/32 pitch	1
K210	17-22		9006300-0137	Retaining ring	1
K225	17-22		357616	Roller bearing	1
K300	17-22		141561	Flange cover	1
K340	17-22		9006200-0281	Retaining ring	1
K350	17-22		5000760	Screw, M12 x 20	4
QK125	17-22		11176944	Housing assembly, auxiliary flange, SAE B, metric	1

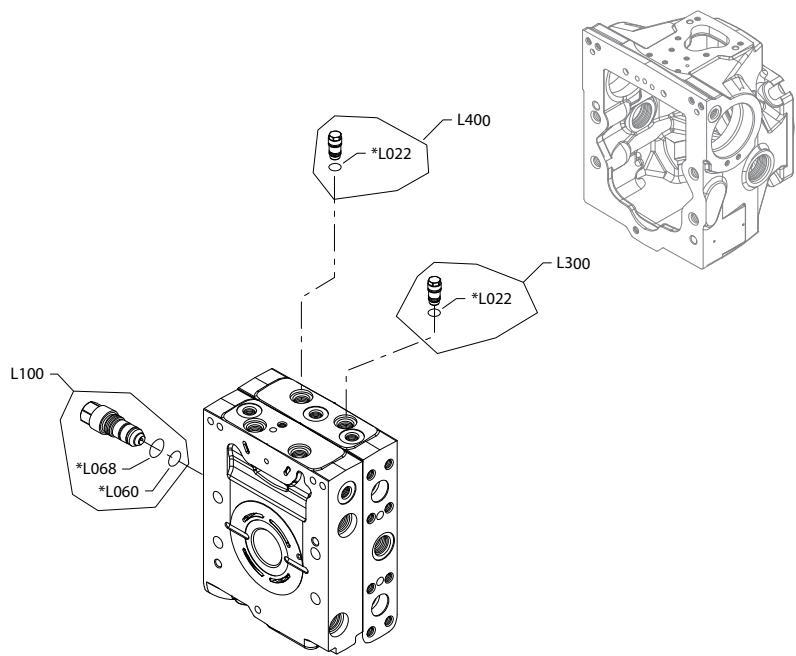
Order code: H5

B015	17-22		9005110-4400	Plug assembly	2
B020	17-22		9005110-9200	Plug assembly	2
B040	17-22		140967	Screen	2
K150	17-22		8801061	B pad seal	1
K200	17-22		11130914	Shaft, 15 tooth internal splines, 16/32 pitch	1
K210	17-22		9006300-0137	Retaining ring	1
K225	17-22		357616	Roller bearing	1
K300	17-22		141561	Flange cover	1
K340	17-22		9006200-0281	Retaining ring	1
K350	17-22		5000760	Screw, M12 x 20	4
QK125	17-22		11173968	Housing assembly, auxiliary flange, SAE B	1

High pressure protection

H1T 60/68 HPS 18-48 (port A)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
L022	17-22		041152	O-ring	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
L300	17-22		11002291	Pressure limiter plug assembly, CCW rotation	1
L400	17-22		11002291	Pressure limiter plug assembly, CW rotation	1

Order code: 18

L100	17-22		11049120	High pressure relief valve assembly, 180 bar	1
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Order code: 20

L100	17-22		11049121	High pressure relief valve assembly, 200 bar	1
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Order code: 23

L100	17-22		11049122	High pressure relief valve assembly, 230 bar	1
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Order code: 25

L100	17-22		11049123	High pressure relief valve assembly, 250 bar	1
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Order code: 28

L100	17-22		11049124	High pressure relief valve assembly, 280 bar	1
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Order code: 30

L100	17-22		11049125	High pressure relief valve assembly, 300 bar	1
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Order code: 33

L100	17-22		11049126	High pressure relief valve assembly, 330 bar	1
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Order code: 35

L100	17-22		11049127	High pressure relief valve assembly, 350 bar	1
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Order code: 38

L100	17-22		11049128	High pressure relief valve assembly, 380 bar	1
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Order code: 40

L100	17-22		11049129	High pressure relief valve assembly, 400 bar	1
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Order code: 42

L100	17-22		11049130	High pressure relief valve assembly, 420 bar	1
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Order code: 45

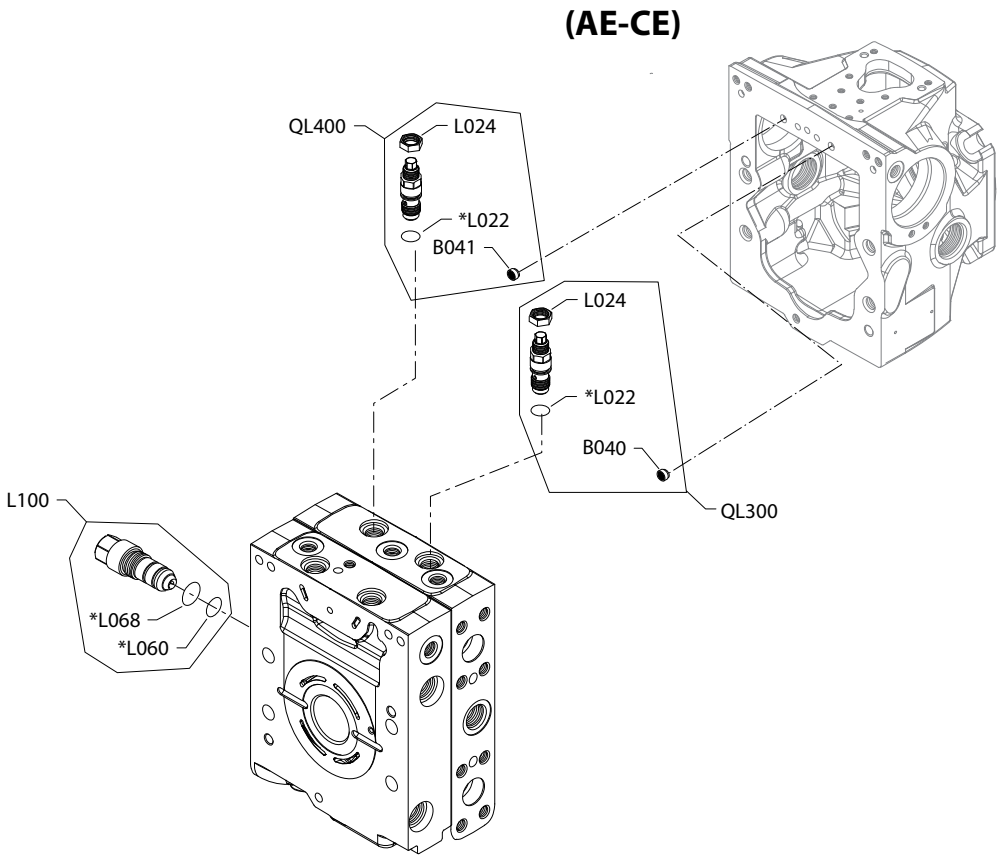
L100	17-22		11049131	High pressure relief valve assembly, 450 bar	1
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Order code: 48

L100	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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H1T 60/68 HPS AE-CE (port A)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B040	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
B041	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
L022	17-22		041152	O-ring	1
L024	17-22		11054668	Nut	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
QL300	17-22		11050482	Pressure limiter valve assembly, CCW rotation	1
QL400	17-22		11050482	Pressure limiter valve assembly, CW rotation	1

Order code: AE

L100	17-22		11049121	High pressure relief valve assembly, 200 bar	1
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Order code: AH

L100	17-22		11049123	High pressure relief valve assembly, 250 bar	1
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Order code: BC

L100	17-22		11049124	High pressure relief valve assembly, 280 bar	1
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Order code: BE

L100	17-22		11049125	High pressure relief valve assembly, 300 bar	1
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Order code: BH

L100	17-22		11049126	High pressure relief valve assembly, 330 bar	1
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Order code: BK

L100	17-22		11049123	High pressure relief valve assembly, 250 bar	1
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Order code: CC

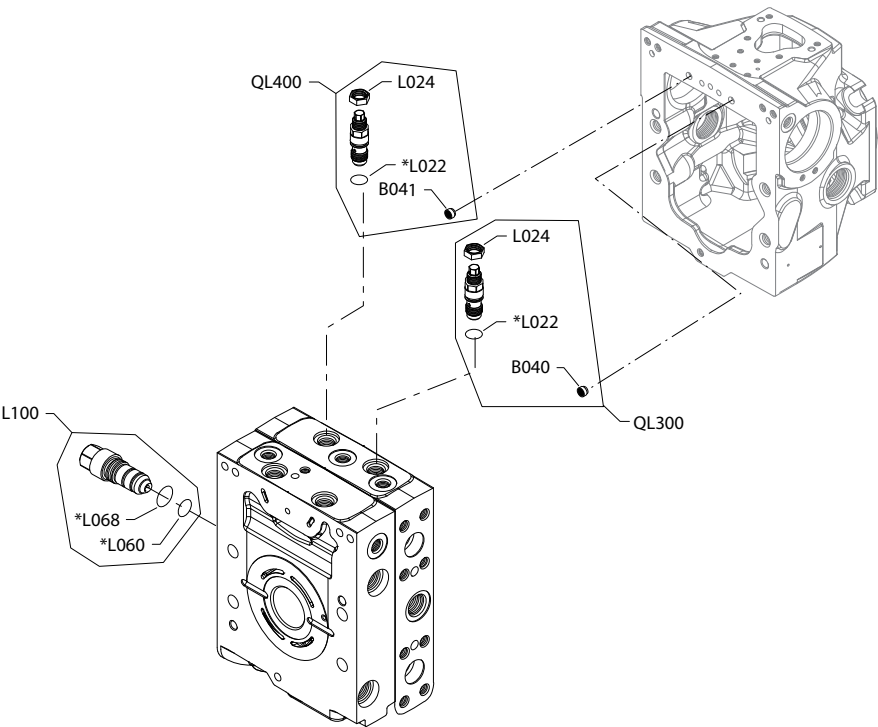
L100	17-22		11049128	High pressure relief valve assembly, 380 bar	1
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Order code: CE

L100	17-22		11049129	High pressure relief valve assembly, 400 bar	1
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H1T 60/68 HPS CH-DK (port A)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B040	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
B041	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
L022	17-22		041152	O-ring	1
L024	17-22		11054668	Nut	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
QL300	17-22		11050482	Pressure limiter valve assembly, CCW rotation	1
QL400	17-22		11050482	Pressure limiter valve assembly, CW rotation	1

Order code: CH

L100	17-22		11049130	High pressure relief valve assembly, 420 bar	1
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Order code: CK

L100	17-22		11049127	High pressure relief valve assembly, 350 bar	1
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Order code: DA

L100	17-22		11049131	High pressure relief valve assembly, 450 bar	1
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Order code: DB

L100	17-22		11049131	High pressure relief valve assembly, 450 bar	1
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Order code: DC

L100	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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Order code: DD

L100	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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Order code: DE

L100	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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Order code: DH

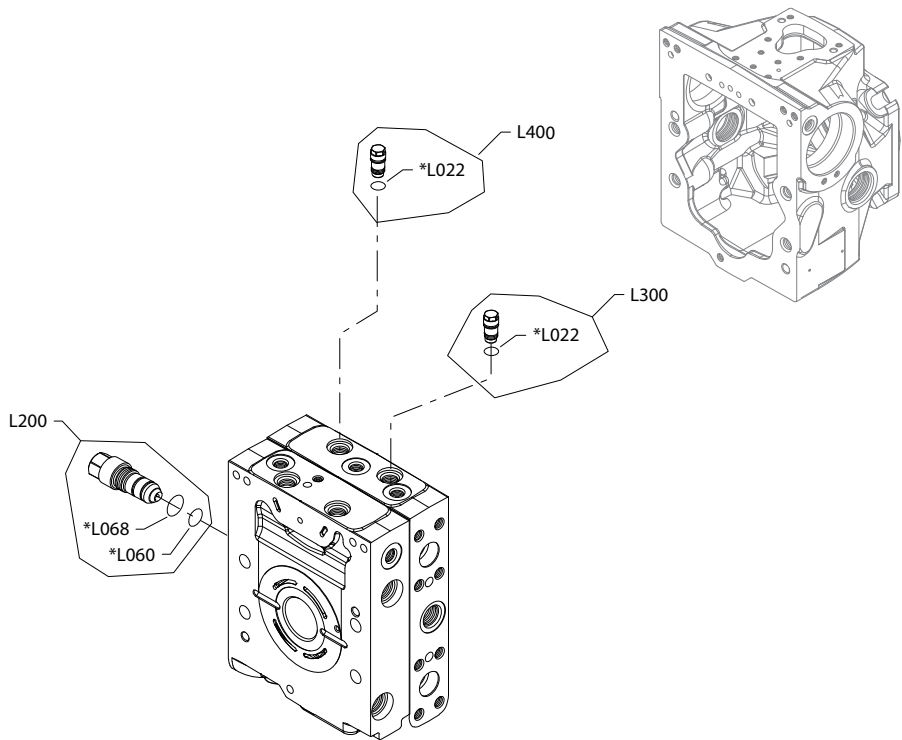
L100	17-22		11049133	High pressure relief valve assembly, 510 bar	1
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Order code: DK

L100	17-22		11049131	High pressure relief valve assembly, 450 bar	1
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H1T 60/68 HPS 18-48 (port B)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
L022	17-22		041152	O-ring	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
L300	17-22		11002291	Pressure limiter plug assembly, CW rotation	1
L400	17-22		11002291	Pressure limiter plug assembly, CCW rotation	1

Order code: 18

L200	17-22		11049120	High pressure relief valve assembly, 180 bar	1
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Order code: 20

L200	17-22		11049121	High pressure relief valve assembly, 200 bar	1
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Order code: 23

L200	17-22		11049122	High pressure relief valve assembly, 230 bar	1
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Order code: 25

L200	17-22		11049123	High pressure relief valve assembly, 250 bar	1
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Order code: 28

L200	17-22		11049124	High pressure relief valve assembly, 280 bar	1
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Order code: 30

L200	17-22		11049125	High pressure relief valve assembly, 300 bar	1
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Order code: 33

L200	17-22		11049126	High pressure relief valve assembly, 330 bar	1
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Order code: 35

L200	17-22		11049127	High pressure relief valve assembly, 350 bar	1
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Order code: 38

L200	17-22		11049128	High pressure relief valve assembly, 380 bar	1
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Order code: 40

L200	17-22		11049129	High pressure relief valve assembly, 400 bar	1
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Order code: 42

L200	17-22		11049130	High pressure relief valve assembly, 420 bar	1
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Order code: 45

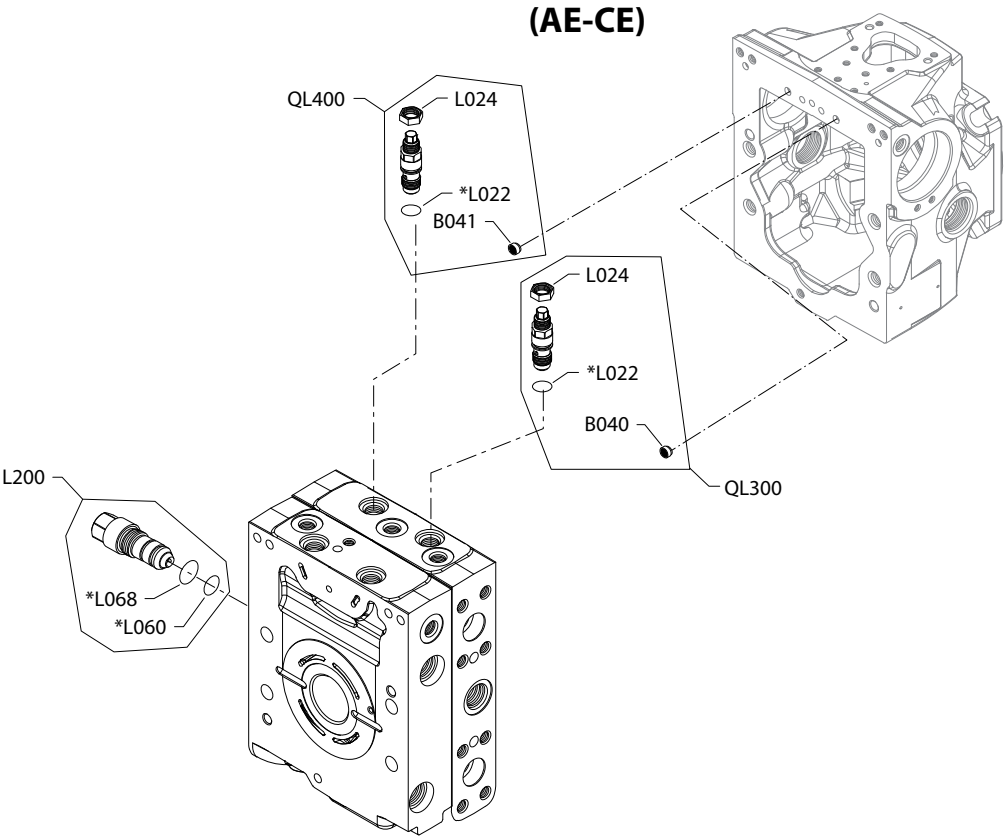
L200	17-22		11049131	High pressure relief valve assembly, 450 bar	1
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Order code: 48

L200	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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H1T 60/68 HPS AE-CE (port B)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B040	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
B041	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
L022	17-22		041152	O-ring	1
L024	17-22		11054668	Nut	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
QL300	17-22		11050482	Pressure limiter valve assembly, CW rotation	1
QL400	17-22		11050482	Pressure limiter valve assembly, CCW rotation	1

Order code: AE

L200	17-22		11049121	High pressure relief valve assembly, 200 bar	1
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Order code: AH

L200	17-22		11049123	High pressure relief valve assembly, 250 bar	1
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Order code: BC

L200	17-22		11049124	High pressure relief valve assembly, 280 bar	1
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Order code: BE

L200	17-22		11049125	High pressure relief valve assembly, 300 bar	1
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Order code: BH

L200	17-22		11049126	High pressure relief valve assembly, 330 bar	1
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Order code: BK

L200	17-22		11049123	High pressure relief valve assembly, 250 bar	1
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Order code: CC

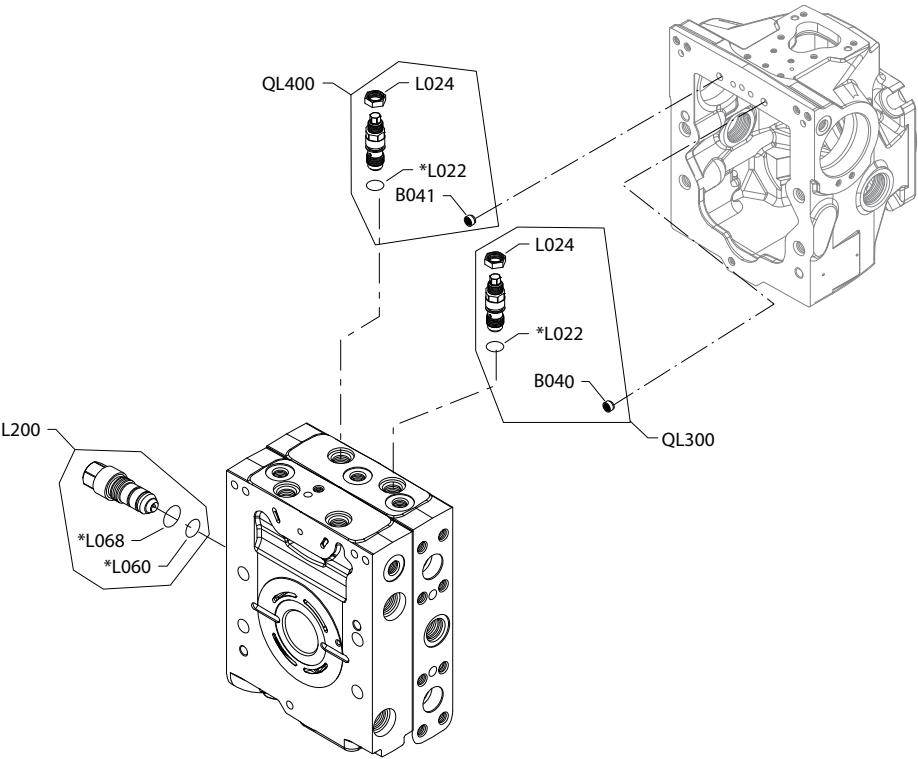
L200	17-22		11049128	High pressure relief valve assembly, 380 bar	1
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Order code: CE

L200	17-22		11049129	High pressure relief valve assembly, 400 bar	1
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H1T 60/68 HPS CH-DK (port B)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B040	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
B041	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
L022	17-22		041152	O-ring	1
L024	17-22		11054668	Nut	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
QL300	17-22		11050482	Pressure limiter valve assembly, CW rotation	1
QL400	17-22		11050482	Pressure limiter valve assembly, CCW rotation	1

Order code: CH

L200	17-22		11049130	High pressure relief valve assembly, 420 bar	1
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Order code: CK

L200	17-22		11049127	High pressure relief valve assembly, 350 bar	1
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Order code: DA

L200	17-22		11049131	High pressure relief valve assembly, 450 bar	1
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Order code: DB

L200	17-22		11049131	High pressure relief valve assembly, 450 bar	1
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Order code: DC

L200	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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Order code: DD

L200	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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Order code: DE

L200	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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Order code: DF

L200	17-22		11049133	High pressure relief valve assembly, 510 bar	1
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Order code: DG

L200	17-22		11049133	High pressure relief valve assembly, 510 bar	1
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Order code: DH

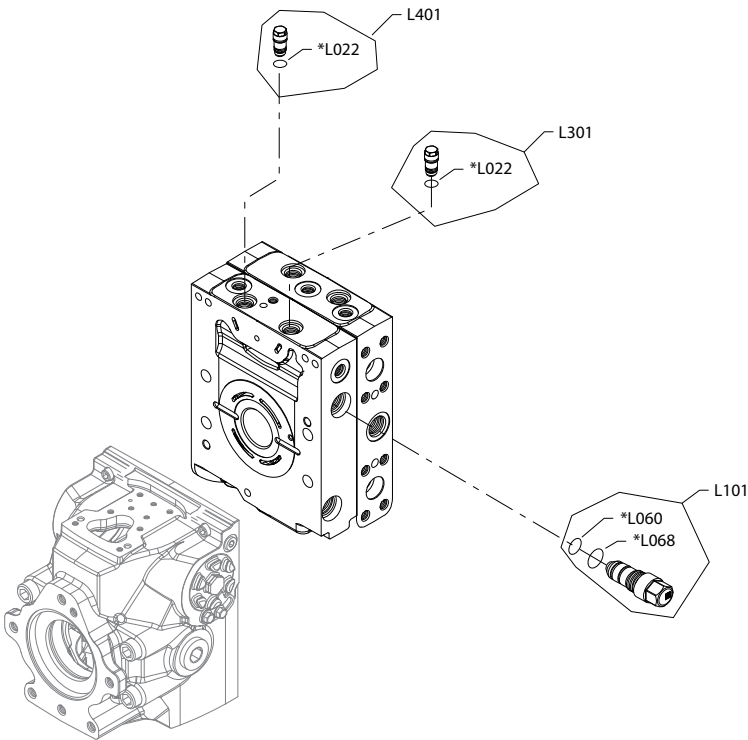
L200	17-22		11049133	High pressure relief valve assembly, 510 bar	1
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Order code: DK

L200	17-22		11049131	High pressure relief valve assembly, 450 bar	1
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H1T 60/68 HPS 18-48 (port C)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
L022	17-22		041152	O-ring	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
L301	17-22		11002291	Pressure limiter plug assembly, CW rotation	1
L401	17-22		11002291	Pressure limiter plug assembly, CCW rotation	1

Order code: 18

L101	17-22		11049120	High pressure relief valve assembly, 180 bar	1
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Order code: 20

L101	17-22		11049121	High pressure relief valve assembly, 200 bar	1
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Order code: 23

L101	17-22		11049122	High pressure relief valve assembly, 230 bar	1
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Order code: 25

L101	17-22		11049123	High pressure relief valve assembly, 250 bar	1
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Order code: 28

L101	17-22		11049124	High pressure relief valve assembly, 280 bar	1
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Order code: 30

L101	17-22		11049125	High pressure relief valve assembly, 300 bar	1
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Order code: 33

L101	17-22		11049126	High pressure relief valve assembly, 330 bar	1
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Order code: 35

L101	17-22		11049127	High pressure relief valve assembly, 350 bar	1
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Order code: 38

L101	17-22		11049128	High pressure relief valve assembly, 380 bar	1
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Order code: 40

L101	17-22		11049129	High pressure relief valve assembly, 400 bar	1
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Order code: 42

L101	17-22		11049130	High pressure relief valve assembly, 420 bar	1
------	-------	--	----------	--	---

Order code: 45

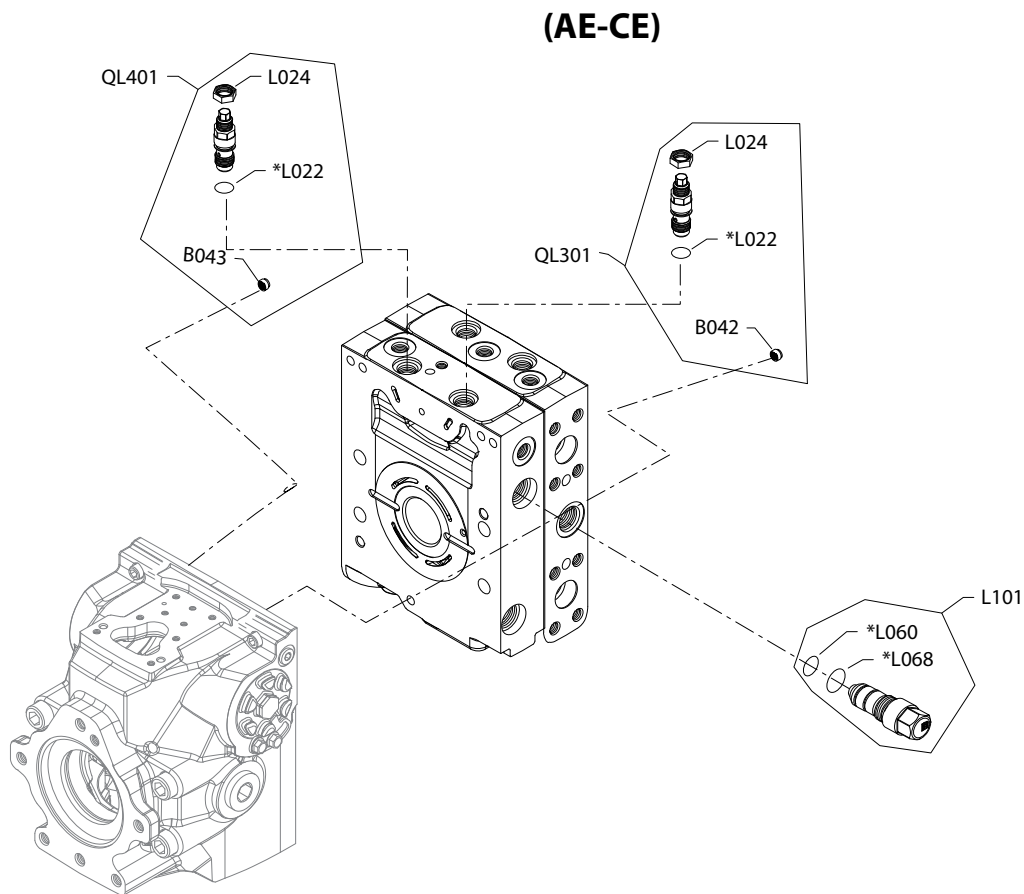
L101	17-22		11049131	High pressure relief valve assembly, 450 bar	1
------	-------	--	----------	--	---

Order code: 48

L101	17-22		11049132	High pressure relief valve assembly, 480 bar	1
------	-------	--	----------	--	---

H1T 60/68 HPS AE-CE (port C)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B042	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
B043	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
L022	17-22		041152	O-ring	1
L024	17-22		11054668	Nut	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
QL301	17-22		11050482	Pressure limiter valve assembly, CW rotation	1
QL401	17-22		11050482	Pressure limiter valve assembly, CCW rotation	1

Order code: AE

L101	17-22		11049121	High pressure relief valve assembly, 200 bar	1
------	-------	--	----------	--	---

Order code: AH

L101	17-22		11049123	High pressure relief valve assembly, 250 bar	1
------	-------	--	----------	--	---

Order code: BC

L101	17-22		11049124	High pressure relief valve assembly, 280 bar	1
------	-------	--	----------	--	---

Order code: BE

L101	17-22		11049125	High pressure relief valve assembly, 300 bar	1
------	-------	--	----------	--	---

Order code: BH

L101	17-22		11049126	High pressure relief valve assembly, 330 bar	1
------	-------	--	----------	--	---

Order code: BK

L101	17-22		11049123	High pressure relief valve assembly, 250 bar	1
------	-------	--	----------	--	---

Order code: CC

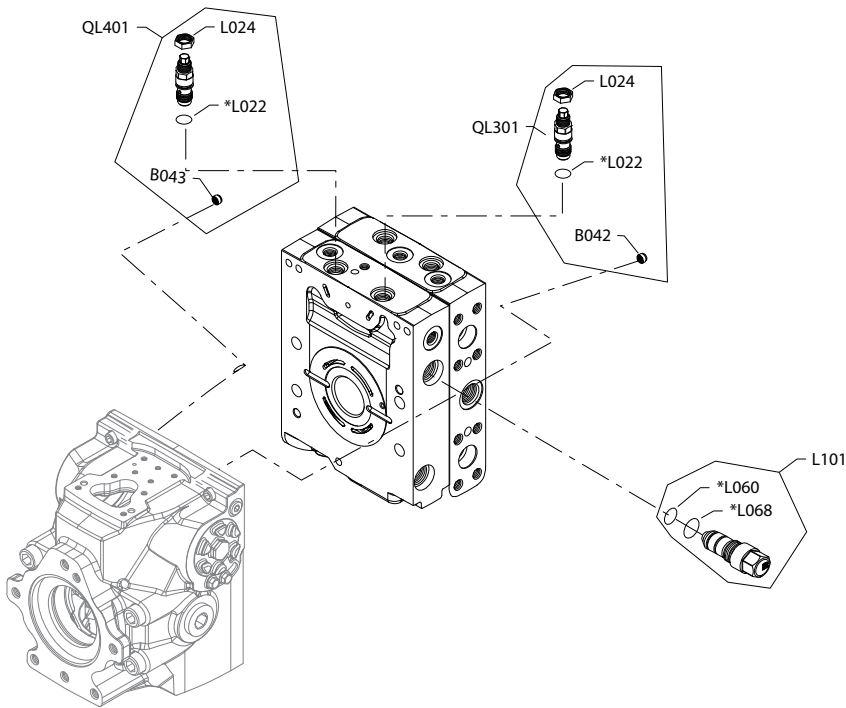
L101	17-22		11049128	High pressure relief valve assembly, 380 bar	1
------	-------	--	----------	--	---

Order code: CE

L101	17-22		11049129	High pressure relief valve assembly, 400 bar	1
------	-------	--	----------	--	---

H1T 60/68 HPS CH-DK (port C)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B042	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
B043	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
L022	17-22		041152	O-ring	1
L024	17-22		11054668	Nut	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
QL301	17-22		11050482	Pressure limiter valve assembly, CW rotation	1
QL401	17-22		11050482	Pressure limiter valve assembly, CCW rotation	1

Order code: CH

L101	17-22		11049130	High pressure relief valve assembly, 420 bar	1
------	-------	--	----------	--	---

Order code: CK

L101	17-22		11049127	High pressure relief valve assembly, 350 bar	1
------	-------	--	----------	--	---

Order code: DA

L101	17-22		11049131	High pressure relief valve assembly, 450 bar	1
------	-------	--	----------	--	---

Order code: DB

L101	17-22		11049131	High pressure relief valve assembly, 450 bar	1
------	-------	--	----------	--	---

Order code: DC

L101	17-22		11049132	High pressure relief valve assembly, 480 bar	1
------	-------	--	----------	--	---

Order code: DD

L101	17-22		11049132	High pressure relief valve assembly, 480 bar	1
------	-------	--	----------	--	---

Order code: DE

L101	17-22		11049132	High pressure relief valve assembly, 480 bar	1
------	-------	--	----------	--	---

Order code: DH

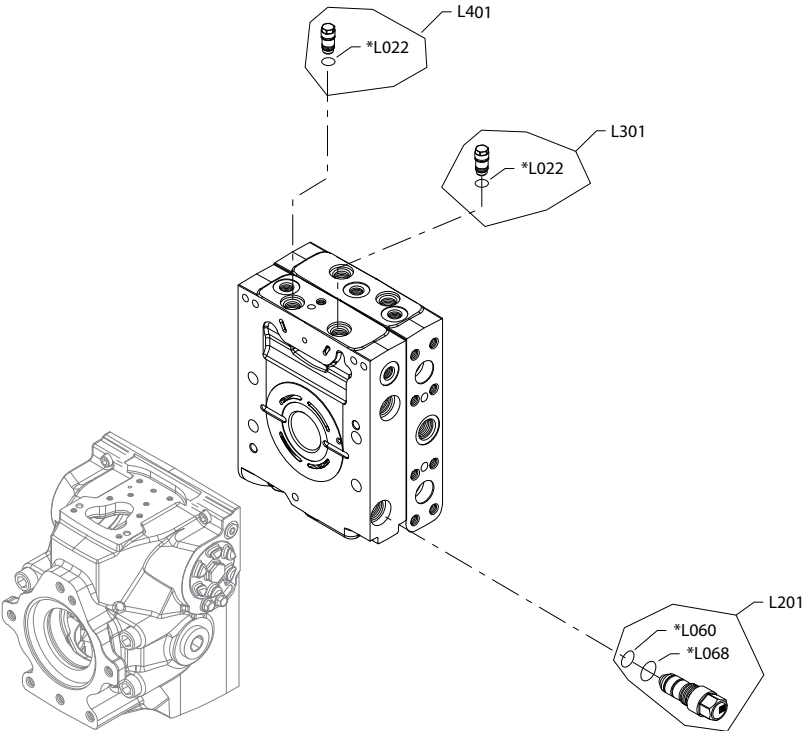
L101	17-22		11049133	High pressure relief valve assembly, 510 bar	1
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Order code: DK

L101	17-22		11049131	High pressure relief valve assembly, 450 bar	1
------	-------	--	----------	--	---

H1T 60/68 HPS 18-48 (port D)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
L022	17-22		041152	O-ring	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
L301	17-22		11002291	Pressure limiter plug assembly, CCW rotation	1
L401	17-22		11002291	Pressure limiter plug assembly, CC rotation	1

Order code: 18

L201	17-22		11049120	High pressure relief valve assembly, 180 bar	1
------	-------	--	----------	--	---

Order code: 20

L201	17-22		11049121	High pressure relief valve assembly, 200 bar	1
------	-------	--	----------	--	---

Order code: 23

L201	17-22		11049122	High pressure relief valve assembly, 230 bar	1
------	-------	--	----------	--	---

Order code: 25

L201	17-22		11049123	High pressure relief valve assembly, 250 bar	1
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Order code: 28

L201	17-22		11049124	High pressure relief valve assembly, 280 bar	1
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Order code: 30

L201	17-22		11049125	High pressure relief valve assembly, 300 bar	1
------	-------	--	----------	--	---

Order code: 33

L201	17-22		11049126	High pressure relief valve assembly, 330 bar	1
------	-------	--	----------	--	---

Order code: 35

L201	17-22		11049127	High pressure relief valve assembly, 350 bar	1
------	-------	--	----------	--	---

Order code: 38

L201	17-22		11049128	High pressure relief valve assembly, 380 bar	1
------	-------	--	----------	--	---

Order code: 40

L201	17-22		11049129	High pressure relief valve assembly, 400 bar	1
------	-------	--	----------	--	---

Order code: 42

L201	17-22		11049130	High pressure relief valve assembly, 420 bar	1
------	-------	--	----------	--	---

Order code: 45

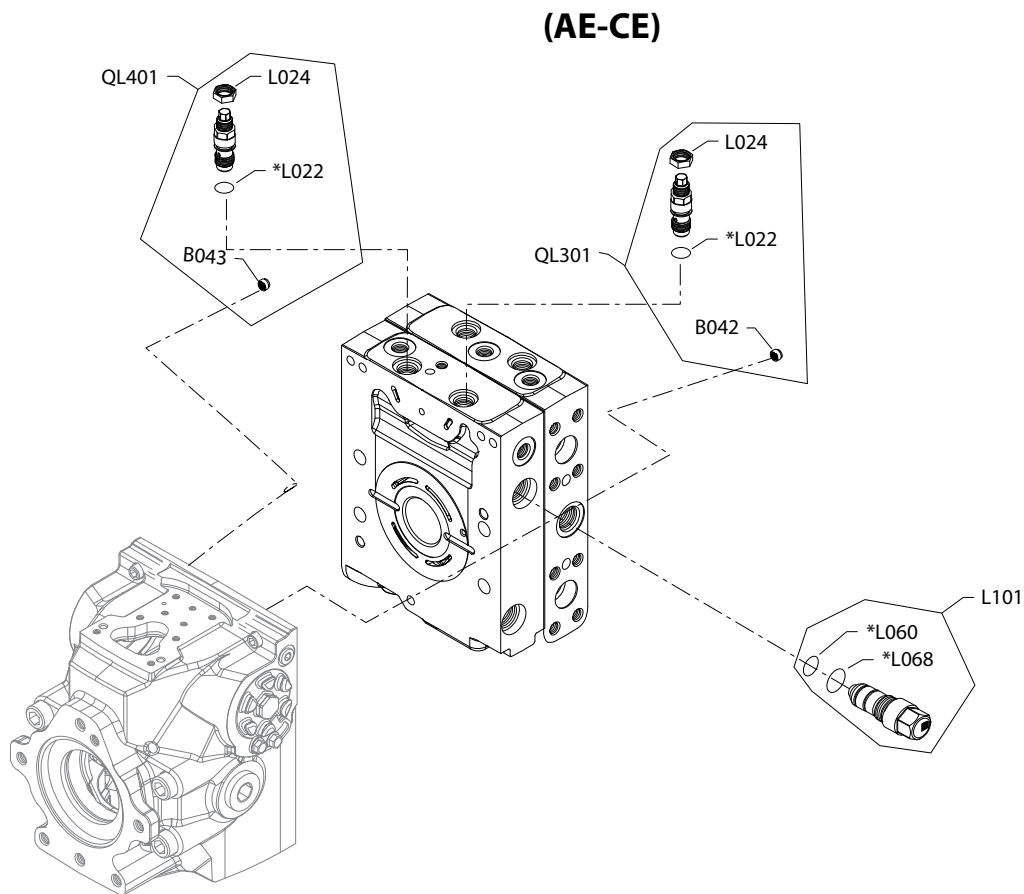
L201	17-22		11049131	High pressure relief valve assembly, 450 bar	1
------	-------	--	----------	--	---

Order code: 48

L201	17-22		11049132	High pressure relief valve assembly, 480 bar	1
------	-------	--	----------	--	---

H1T 60/68 HPS AE-CE (port D)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B042	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
B043	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
L022	17-22		041152	O-ring	1
L024	17-22		11054668	Nut	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
QL301	17-22		11050482	Pressure limiter valve assembly, CCW rotation	1
QL401	17-22		11050482	Pressure limiter valve assembly, CW rotation	1

Order code: AE

L201	17-22		11049121	High pressure relief valve assembly, 200 bar	1
------	-------	--	----------	--	---

Order code: AH

L201	17-22		11049123	High pressure relief valve assembly, 250 bar	1
------	-------	--	----------	--	---

Order code: BC

L201	17-22		11049124	High pressure relief valve assembly, 280 bar	1
------	-------	--	----------	--	---

Order code: BE

L201	17-22		11049125	High pressure relief valve assembly, 300 bar	1
------	-------	--	----------	--	---

Order code: BH

L201	17-22		11049126	High pressure relief valve assembly, 330 bar	1
------	-------	--	----------	--	---

Order code: BK

L201	17-22		11049123	High pressure relief valve assembly, 250 bar	1
------	-------	--	----------	--	---

Order code: CC

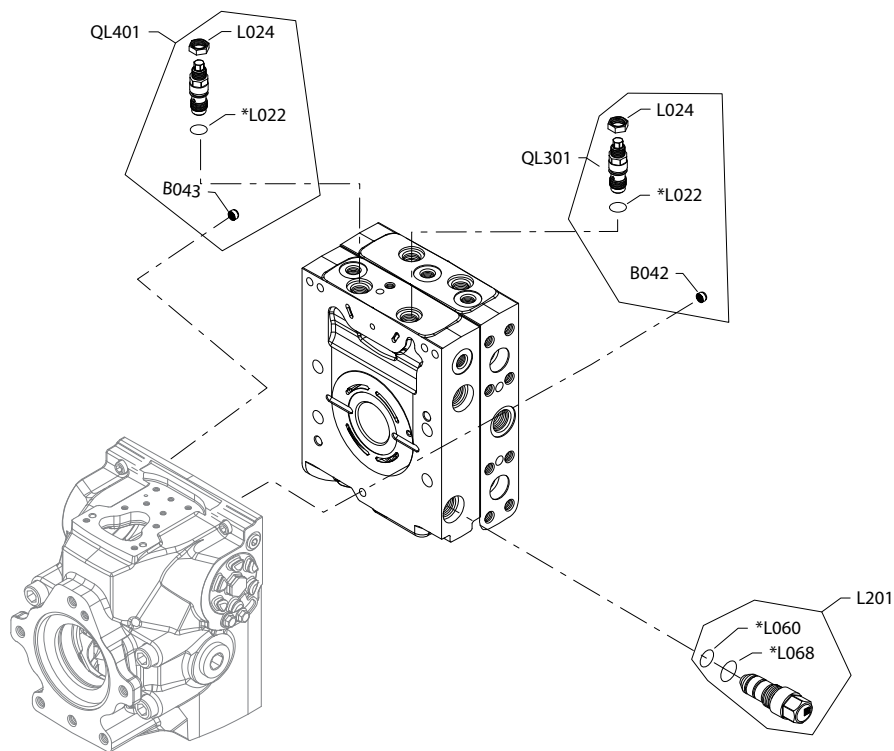
L201	17-22		11049128	High pressure relief valve assembly, 380 bar	1
------	-------	--	----------	--	---

Order code: CE

L201	17-22		11049129	High pressure relief valve assembly, 400 bar	1
------	-------	--	----------	--	---

H1T 60/68 HPS CH-DK (port D)

Parts configuration



* Included in overhaul seal kit Q210

Common parts

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
B042	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
B043	17-22		140967	Screen (<i>SB-2020-029</i> on page 113)	1
L022	17-22		041152	O-ring	1
L024	17-22		11054668	Nut	1
L060	17-22		141109	O-ring	1
L068	17-22		11052215	O-ring	1
QL301	17-22		11050482	Pressure limiter valve assembly, CCW rotation	1
QL401	17-22		11050482	Pressure limiter valve assembly, CW rotation	1

Order code: CH

L201	17-22		11049130	High pressure relief valve assembly, 420 bar	1
------	-------	--	----------	--	---

Order code: CK

L201	17-22		11049127	High pressure relief valve assembly, 350 bar	1
------	-------	--	----------	--	---

Order code: DA

L201	17-22		11049131	High pressure relief valve assembly, 450 bar	1
------	-------	--	----------	--	---

Order code: DB

L201	17-22		11049131	High pressure relief valve assembly, 450 bar	1
------	-------	--	----------	--	---

Order code: DC

L201	17-22		11049132	High pressure relief valve assembly, 480 bar	1
------	-------	--	----------	--	---

Order code: DD

L201	17-22		11049132	High pressure relief valve assembly, 480 bar	1
------	-------	--	----------	--	---

Order code: DE

L201	17-22		11049132	High pressure relief valve assembly, 480 bar	1
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Order code: DF

L200	17-22		11049133	High pressure relief valve assembly, 510 bar	1
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Order code: DG

L200	17-22		11049133	High pressure relief valve assembly, 510 bar	1
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Order code: DH

L201	17-22		11049133	High pressure relief valve assembly, 510 bar	1
------	-------	--	----------	--	---

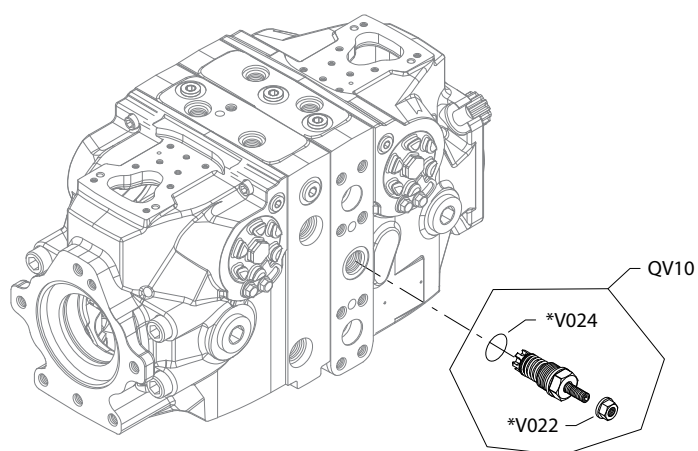
Order code: DK

L201	17-22		11049131	High pressure relief valve assembly, 450 bar	1
------	-------	--	----------	--	---

Charge pump, filtration, charge pressure setting

H1T 60/68 charge pump and charge pressure relief, 20-34, E-N

Parts configuration



* Included in overhaul seal kit Q210

Order code: N

None

Filtration

Order code: E

None

Charge pressure relief setting

Order code: 20-34

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
QV10	17-22		11137579	Charge relief valve kit, 20-34 bar	1
V022	17-22		066159	Seal nut, M12	1
V024	17-22		001149 (9004201-6200)	O-ring	1

Overhaul seal kit

H1T 60/68 overhaul seal kit

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
Q210	17-22		11178405	Overhaul seal kit, H1 tandem, 60/68cc	1
D060	17-22		612291 (9003508-0008)	Seal nut, M8	2
D150	17-22		11173377	Control gasket	1
D151	17-22		11173377	Control gasket	1
E020	17-22		11045358	O-ring, 1.864 x 0.70, nitrile	4
E025	17-22		11040065	Piston seal ring	4
E250	17-22		11045233	O-ring, 2.425 x .103, viton	4
E500	17-22		505412 (9003509-0008)	Seal nut, M8	1
E501	17-22		505412 (9003509-0008)	Seal nut, M8	1
E550	17-22		505412 (9003509-0008)	Seal nut, M8	1
E551	17-22		505412 (9003509-0008)	Seal nut, M8	1
G150	17-22		11123580	End cap gasket	2
G151	17-22		11159706	Center section gasket	1
J250	17-22		141936	Lip seal	1
J260	17-22		9004104-2310	O-ring, 2.609 x .139, viton	1
L022	17-22		041152	O-ring, 12.0 x 2.0, nitrile	4
L060	17-22		141109	O-ring, 16.0 x 1.5, viton	4
L068	17-22		11052215	O-ring, 19.3 x 2.4, viton	4
QD26	17-22		11001952	O-ring, 18.00 x 1.50, viton	2
QD26R	17-22		11001952	O-ring, 18.00 x 1.50, viton	2
QD751	17-22		001131 (9004201-5000)	O-ring, 0.087 x .644, nitrile, 90D	2
QG10A	17-22		354003719	Cartridge seal kit	1
QG11A	17-22		354003719	Cartridge seal kit	1
V022	17-22		066159	Seal nut, M12	1
V024	17-22		001149 (9004201-6200)	O-ring, 19.18 x 2.46, nitrile	1

Service bulletin

SB-2007-033

Products affected

H1 pumps

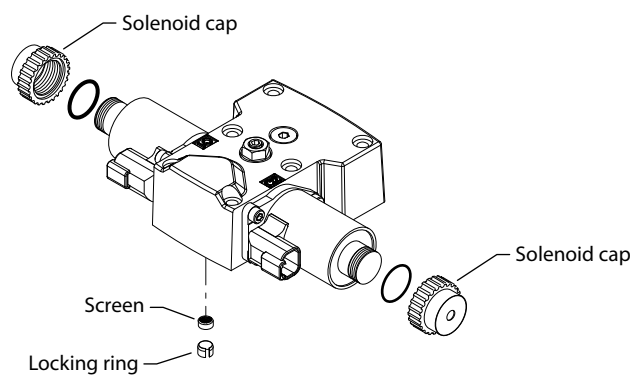
Subject

Control solenoid nut and screen locking ring

Description

As a product improvement, Danfoss changed the design of the EDC solenoids to avoid potential corrosion by changing the nut that holds the coil on the solenoid tube. The new nut has a closed cap design, which eliminates the potential of moisture to ingress past the solenoid tube threads. The new EDC and nut are functionally and physically interchangeable in all applications

A locking ring was also added to the controls. The locking ring will prevent the screen from falling out of the control during installation to the pump. The new locking ring can not be used in older style controls as the port is not drilled deep enough.



Models affected

All H1 pumps.

Serial numbers

Locking ring and solenoid nut.

Part numbers affected

Locking ring and solenoid nut

Option	45/53cc	78cc	147/165cc
A2	08-11-xxxxx	07-50-xxxxx	07-50-xxxxx
A3	08-11-xxxxx	07-50-xxxxx	07-50-xxxxx
A6	08-11-xxxxx	07-50-xxxxx	07-50-xxxxx
C1		07-39-xxxxx	07-39-xxxxx

Locking ring only

Option	45/53cc	78cc	147/165cc
A4	08-11-xxxxx	08-16-xxxxx	08-16-xxxxx
A5	08-11-xxxxx	08-16-xxxxx	08-16-xxxxx

Part numbers affected

Description	New part number
Locking ring	11012505

Parts disposition

- Interchangeable
- Use parts in stock

SB-2011-020

Products affected

H1 45 and 53cc pumps

Subject

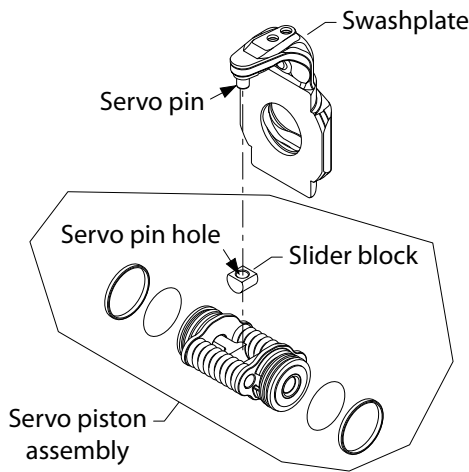
Swashplate change

Description

This design change for H1 45 and 53cc pumps replaces the forged swashplate which ha an 11mm diameter servo pin with a cast swashplate of 13mm diameter servo pin. The servo slider block will also change to accommodate the new pin diameter. The old swashplate is interchangeable with the new swashplate, if the new slider block is also used.

A swashplate replacement kit with a 13mm slider block was created for service. Servo piston assembly replacement kits have also been created. These kits contain both 10mm and 13mm slider blocks to accommodate old or new swashplate.

The old swashplate and servo piston assemblies are obsolete and no longer available. The old slider block will remain available.



Models affected

H1 45 and 53cc pumps

Serial numbers

This change became effective at serial number A-12-21-105568 (20-May-2012)

Part numbers affected

Description	Old part number	New part number	Replacement kit
Slider block	141939	11014805	none
Swashplate	11068797	11068328	11098280
Servo piston assembly	11016260	11094107	11098278
Servo piston assy, nested	11016261	11094283	11098279

Parts disposition

Non-interchangeable

SB-2020-029

Products affected

H1 pumps and tandems

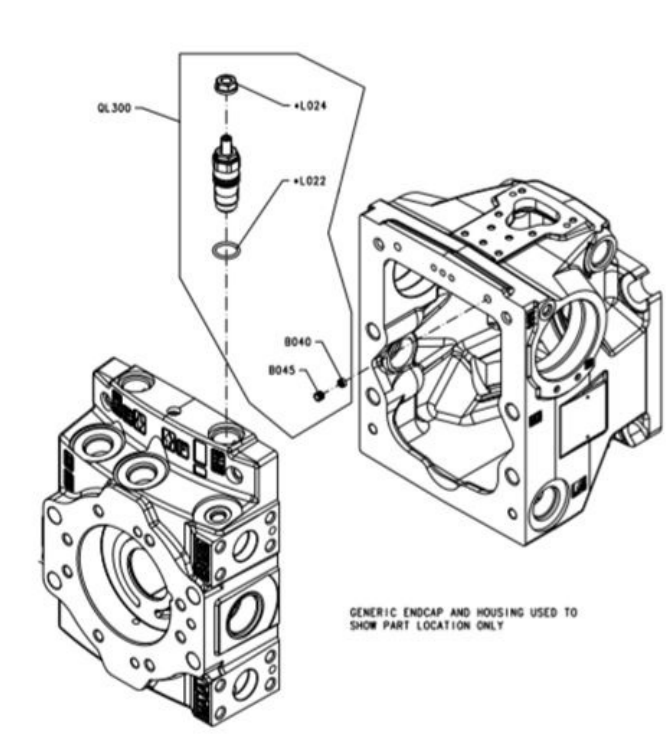
Subject

Pressure Limiter service kit content change

Description

Danfoss Power Solutions has updated the Pressure Limiter (PL) service kits for H1 pumps and tandems. Screens from the Housing service kit have been added to the Pressure Limiter service kit. The housing assembly (QH125) will continue to come with the screens and retainers, depending on the frame size, pre-assembled.

There is no part number change to the Pressure Limiter service kit or the Housing service kit. In case of conversion of pumps to those with Pressure Limiter valves, the end cap must be removed to install Pressure Limiter screens and retainers. Please refer to the Repair Instructions.

 **Note**

Generic end cap and housing used to show part location only.

Models affected

H1 pumps and tandems: 45/53cc; 60/68cc; 89/100cc; 115/130cc; 147/165cc; 210/250cc Pumps and Tandems.

Serial numbers affected

This change became effective at (01 November 2020)

Part numbers affected

Description	Part number
SVC KIT-PRESS LMTR, H1P045-100	11050482
SVC KIT-PRESS LMTR, H1P115-250	11004709
SVC KIT-PRESS LMTR, H1P115-250	11180279
SVC KIT-PRESS LMTR, H1P115-250	11166373
SVC KIT-PRESS LMTR, H1P210-250	11119002

Parts disposition

Not applicable



Hydro-Gear

www.hydro-gear.com

Daikin-Sauer-Danfoss

www.daikin-sauer-danfoss.com

Explore our solutions at danfoss.com.

Additional product literature is available at powersource.danfoss.com.

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