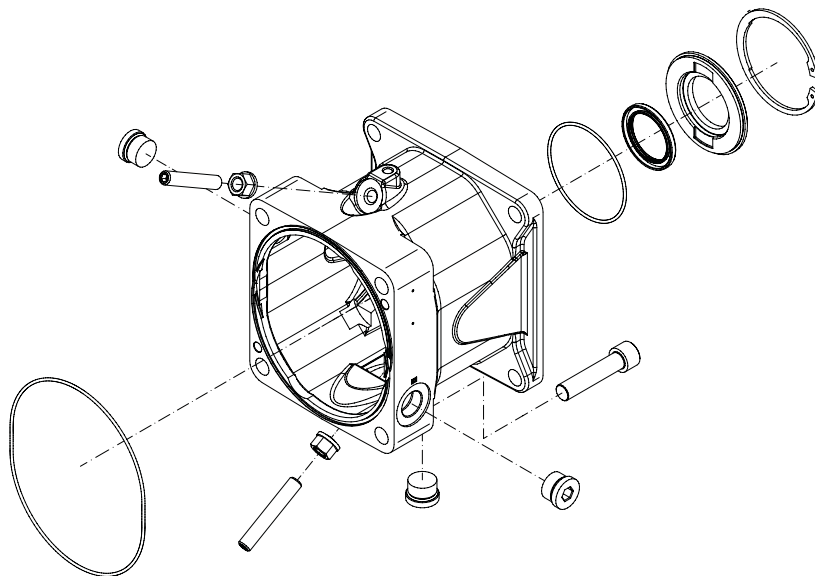


Parts Manual

# D1 High Power Open Circuit Pump

## Size 65



**Revision history**

*Table of revisions*

Date	Changed	Rev
June 2019	First edition	0101

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## 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 .

### Nameplate

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

The Danfoss model 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.

*Example name tag; D1P 193 shown*



## 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.

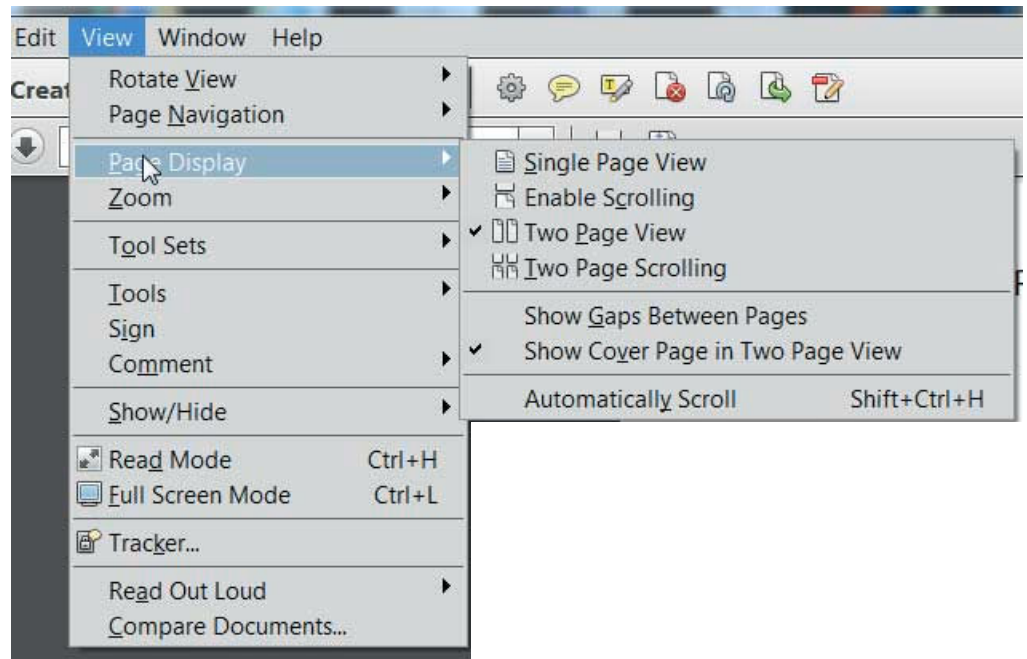
The same item numbers are used for same part names on all units within a product type. A part number that has another number following it in parentheses is done to make this a world wide manual.

## 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

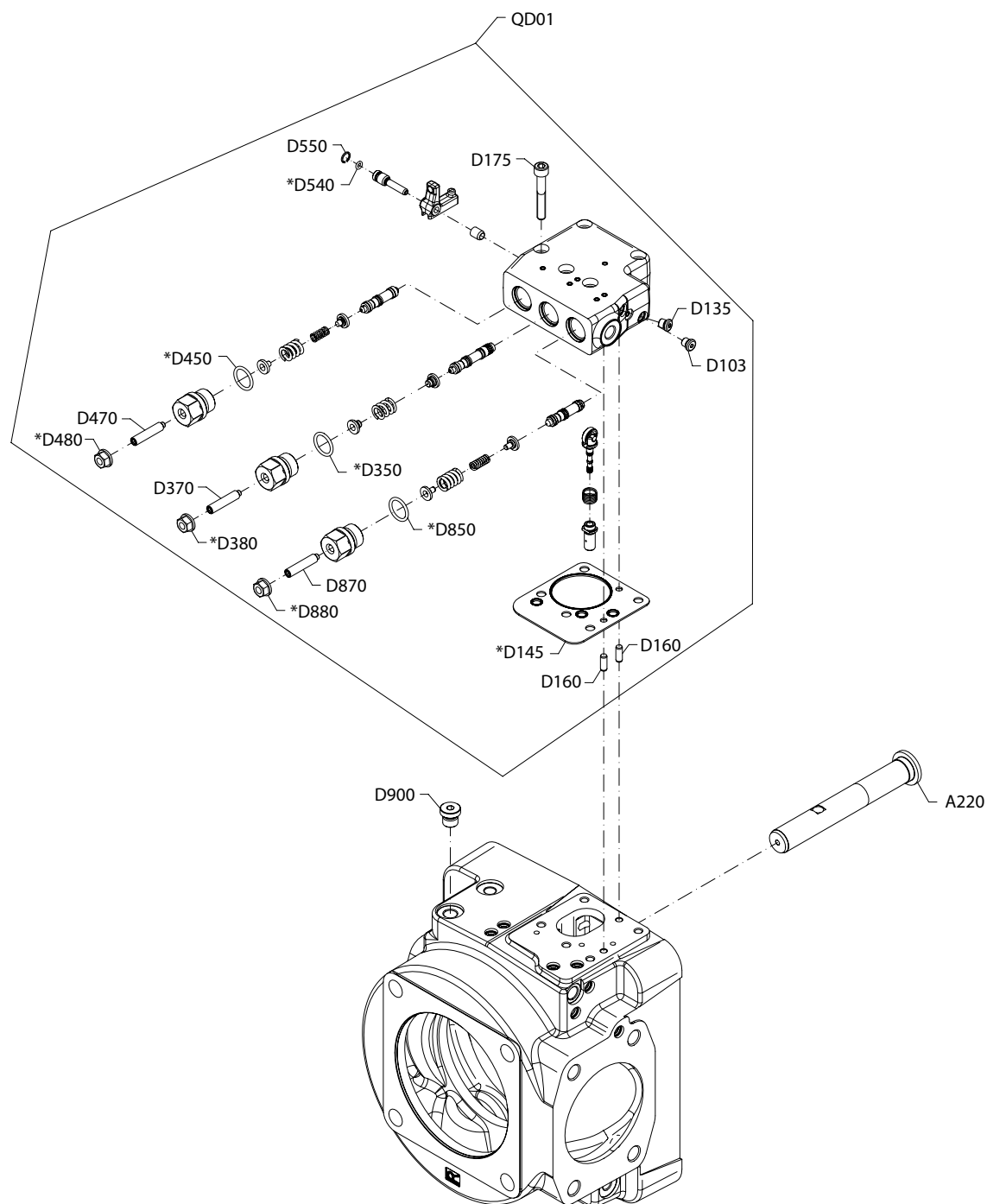
### Order code

Series	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
D1P065LATAPSNTU4N4NN05025022NNFSFSNNNNNN																
Product type																
Displacement																
Rotation																
Product version																
Control type																
Input shaft																
Mounting flange																
Endcap																
Auxiliary flange																
Power control setting																
Pressure compensated control setting																
Load sensing control setting																
Hydraulic disp control start pressure setting																
Max displacement setting																
Min displacement setting																
Special hardware																
Special feature																

## Controls

### D1P 65 control TPSN

#### Parts configuration



Generic end cap used to show part location only.



## Controls

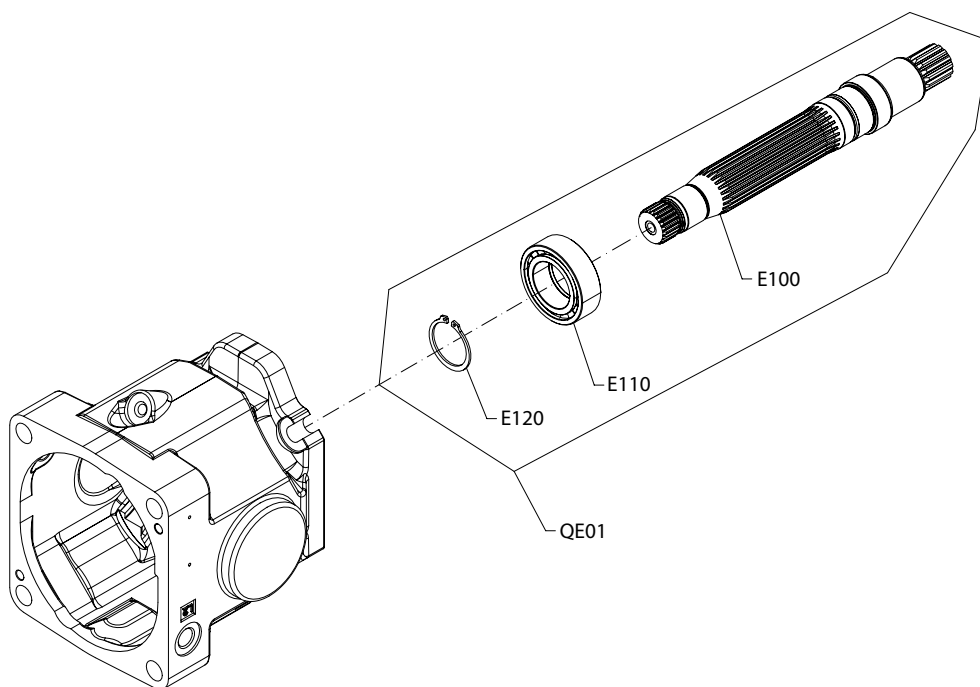
Order code: TPSN

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
A220	18-42		11219431	Bias piston	1
D103	18-42		11040532	Plug assembly	3
D135	18-42		11040532	Plug assembly	1
D145	18-42		11168710	Control seal	1
D160	18-42		11130807	Dowel pin	2
D175	18-42		52718	Screw	5
D350	18-42		9004104-1160	O-ring	1
D370	18-42		11167267	Screw	1
D380	18-42		612291	Lock nut	1
D450	18-42		90094104-1160	O-ring	1
D470	18-42		11167267	Screw	1
D480	18-42		612291	Lock nut	1
D540	18-42		9004104-0100	O-ring	1
D550	18-42		11130806	Retainer ring	1
D850	18-42		9004104-1160	O-ring	1
D870	18-42		11167267	Screw	1
D880	18-42		612291	Plug	1
D900	18-42		11139781	Plug assembly	1
QD01	18-42		11180173	SVC control kit	1

## Input shaft

### D1P 65 shaft T

*Parts configuration*



Generic housing used to show part location only.

## Input shaft

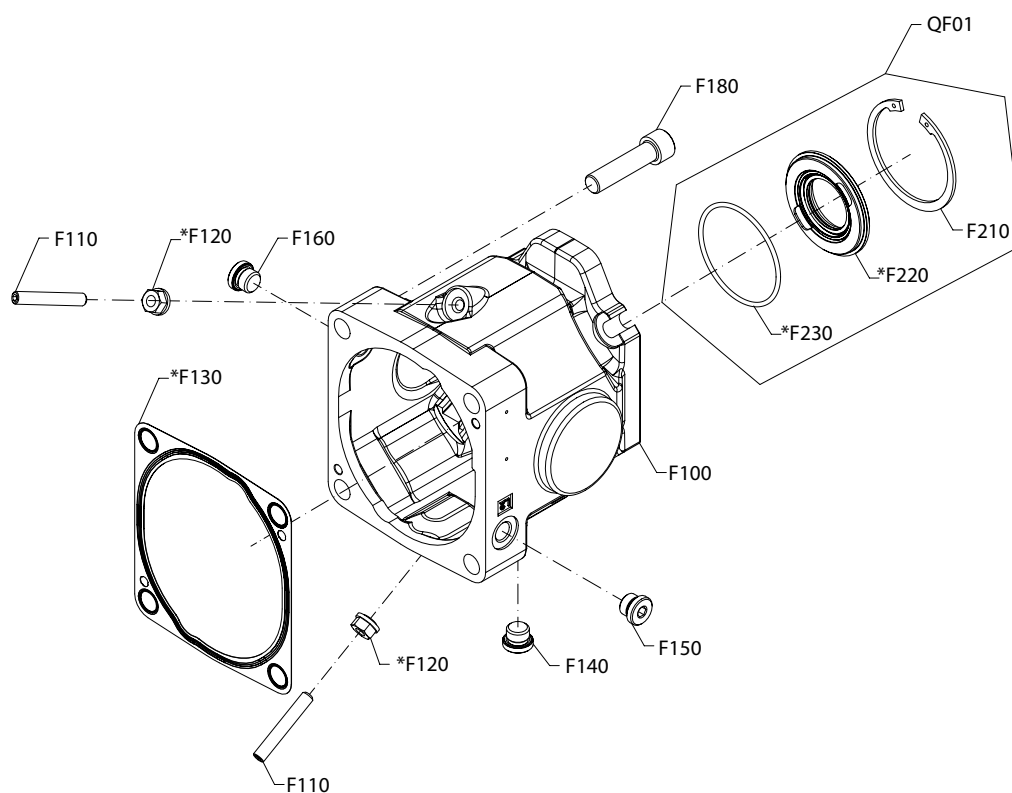
Order code: T

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
E100	18-42		11216308	14 tooth shaft	1
E110	18-42		11056378	Roller bearing	1
E120	18-42		11127784	Retainer ring	1
QE01	18-42		11226110	SVC shaft kit	

## Mounting flange

### D1P 65 mounting flange U4

*Parts configuration*



\* Included in overhaul seal kit Q210

## Mounting flange

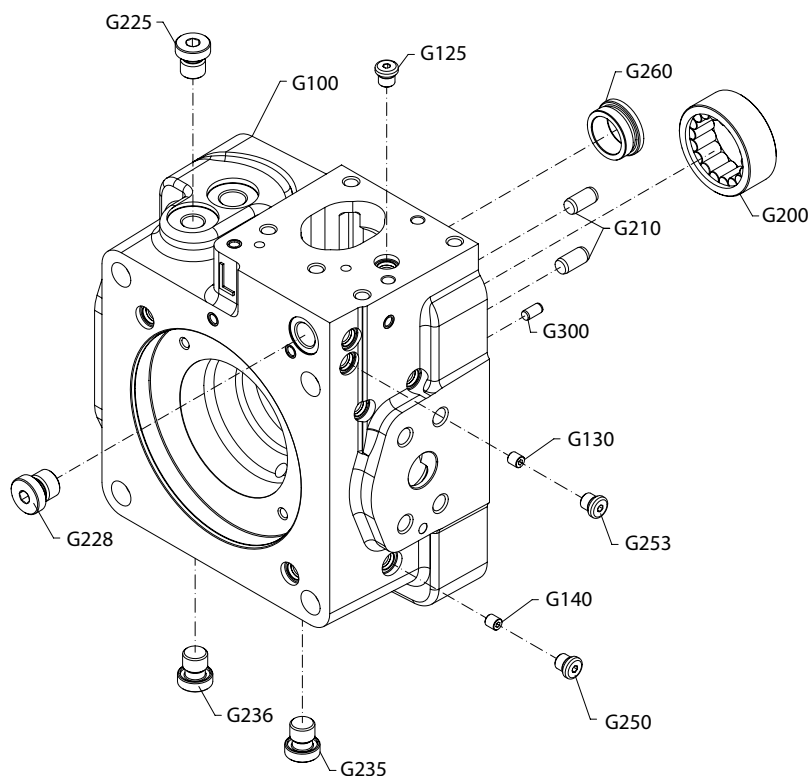
Order code: U4

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
F100	18-42		11216305	Housing	1
F110	18-42		750638	Set screw	2
F120	18-42		042432	Seal nut	2
F130	18-42		11216303	End cap gasket	1
F140	18-42		11221169	Plug assembly	1
F150	18-42		11221169	Plug assembly	1
F160	18-42		11221169	Plug assembly	1
F180	18-42		11131936	Screw	4
F210	18-42		392456	Retainer ring	1
F220	18-42		11219051	Carrier seal assembly	1
F230	18-42		038315	O-ring	1
QF01	18-42		11226974	SVC shaft seal kit	1

## End cap

### D1P 65 end cap N4

*Parts configuration*



Generic orifices (G130, G140) used to show part location only.

## End cap

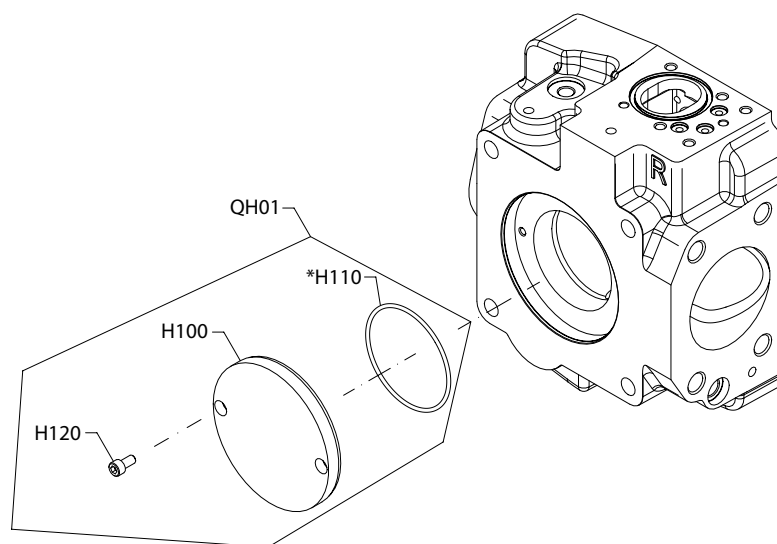
Order code: N4 (counterclockwise)

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
G100	18-42		11219430	End cap assembly (without impeller)	1
G200	18-42		11216099	Rear shaft bearing	1
G210	18-42		11135318	Dowel pin	2
G225	18-42		11135349	Plug assembly	1
G228	18-42		11139781	Plug assembly	1
G235	18-42		11135349	Plug assembly	1
G236	18-42		11135349	Plug assembly	1
G250	18-42		11040532	Plug assembly	1
G253	18-42		11040532	Plug assembly	1
G260	18-42		11128579	Bushing	1
G300	18-42		11152640	Straight pin	1

## Auxiliary mounting flange

### D1P 65 aux mounting NN

*Parts configuration*



\* Included in overhaul seal kit

Generic end cap used to show part location only.



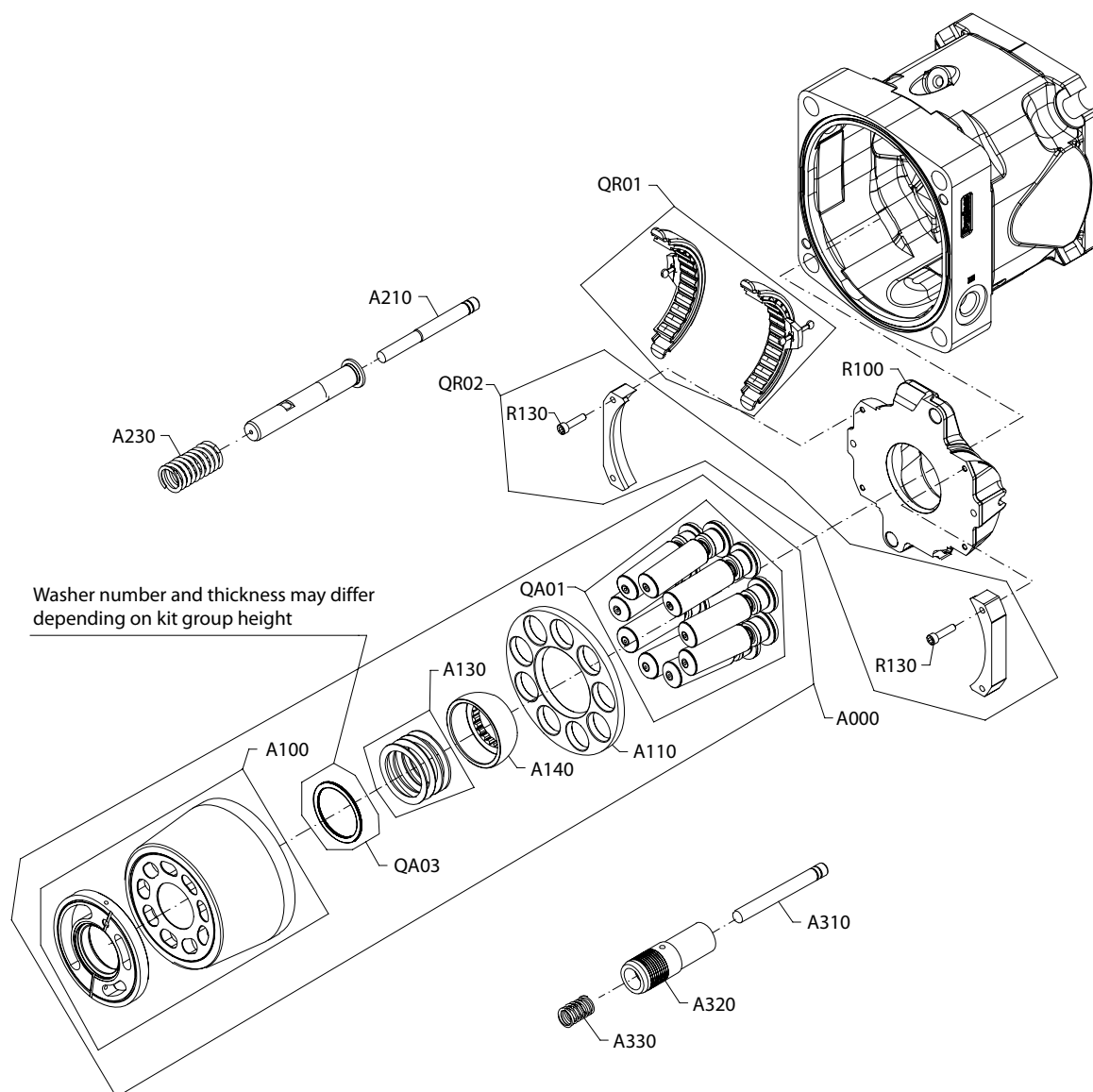
**Auxiliary mounting flange***Order code: NN*

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
H100	18-42		11182965	End cap cover, without aux pad	1
H110	18-42		071845	O-ring	1
H120	18-42		395822	Screw	2
QH01	18-42		11212534	Aux pad SVC kit	1

## Special hardware

### D1P 65 special hardware NNN

#### Parts configuration



Generic housing and bias piston used to show part location only

## Special hardware

Order code: NNN

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
A000	18-42		11219537	Kit assembly	1
A100	18-42		11219403	Valve plate with cylinder block kit	1
A110	18-42		11219042	Slipper retainer	1
A130	18-42		11219044	Disc spring	4
A140	18-42		11219045	Slipper retainer guide	1
A210	18-42		11221969	Bias rod	1
A230	18-42		11219047	Spring	1
A310	18-42		11219446	Servo piston	1
A320	18-42		11219048	Servo rod	1
A330	18-42		11219049	Spring	1
R100	18-42		11216309	Swashplate	1
R130	18-42		11201145	Screw	4
QA01	18-42		11226976	Piston SVC kit	1
QA03	18-42		11226977	Washer SVC kit	1
QR01	18-42		11226978	Bearing SVC kit	1
QR02	18-42		11226979	Holder SVC kit	1

## Overhaul seal kit

### D1P 65 seal kit

#### Seal kit

Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
D145	18-42		11168710	Control seal	1
D350	18-42		9004104-1160	O-ring	1
D380	18-42		612291	Lock nut seal	1
D450	18-42		9004104-1160	O-ring	1
D480	18-42		612219	Lock nut seal	1
D540	18-42		9004104-0100	O-ring	1
D850	18-42		9004104-1160	O-ring	1
D880	18-42		612291	Lock nut seal	1
F120	18-42		042432	Seal nut	2
F130	18-42		11216303	End cap gasket	1
F220	18-42		11219051	Carrier seal assembly	1
F230	18-42		038315	O-ring	1
H110	18-42		071845	O-ring	1

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