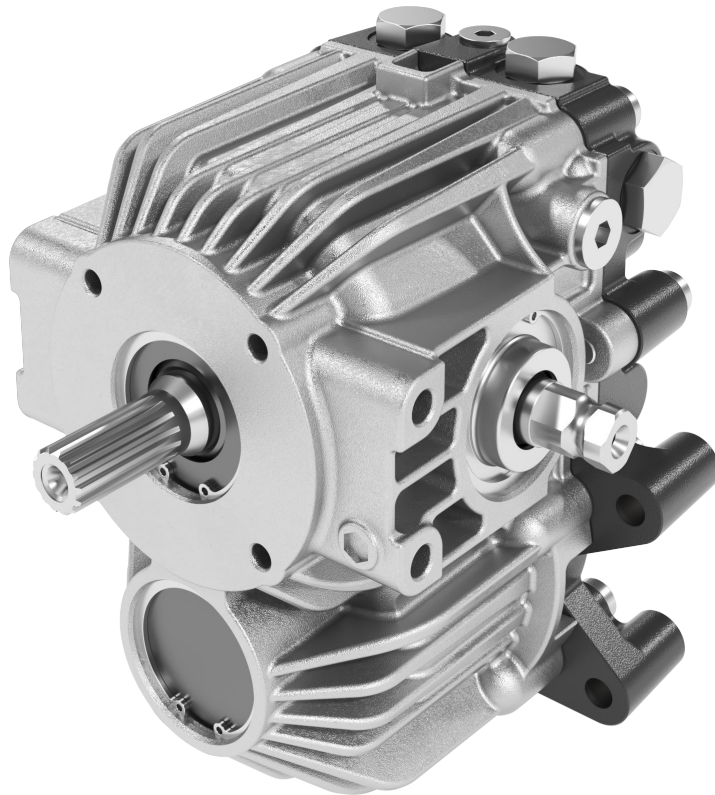


Parts Manual

LDU20/24

Closed Circuit Axial Piston Transmission



Revision history*Table of revisions*

Date	Changed	Rev
February 2025	Added new order codes for Pump Shaft, Motor Shaft, Charge Pump, HPRV, and Special Hardware	0303
May 2023	Updated parts number of Valve Plate	0302
May 2021	Added Size 24	0301
April 2021	Updated Part Numbers, Changed document number from '11075699' to 'AX152886483260', and Danfoss layout, DITA-CMS	0202
October 2013	Updated Parts Number	BA
2009	the first edition	AA

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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 LDU20/24 Closed Circuit Axial Piston Transmission.

The parts listed include all parts which may be used when performing either "Minor Repairs", "Major Repairs" or "Conversions" on the LDU20/24 transmission unit.

Nameplate

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

Model Number/Identification Number

The Danfoss model/ident number is used by the factory in manufacturing. On repeat orders, a complete unit can be ordered by the model/ident number.

Serial Number

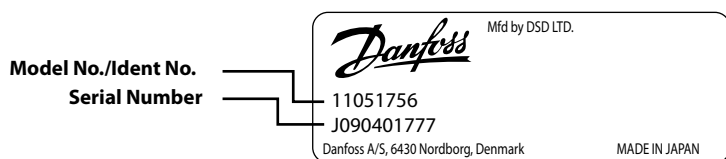
The Danfoss serial number is used to identify the manufacture date and the unit sequence in the build. The serial number is also used to identify the units warranty time period.

The letter code indicates the location of original manufacture (assembly). "J" indicates the unit was originally assembled in Osaka, Japan.

The first number (2 digits) indicates the year of manufacture. ("09" would indicate the unit was manufactured in 2009).

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.



P400719

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

General

The modular design of LDU20/24 units 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. (Example: The lip seal – Item F115 has the same item number on all units.)

Example of a Part Identification

The modular design of LDU20/24 units results in a simplified service parts list and part number identification procedure.

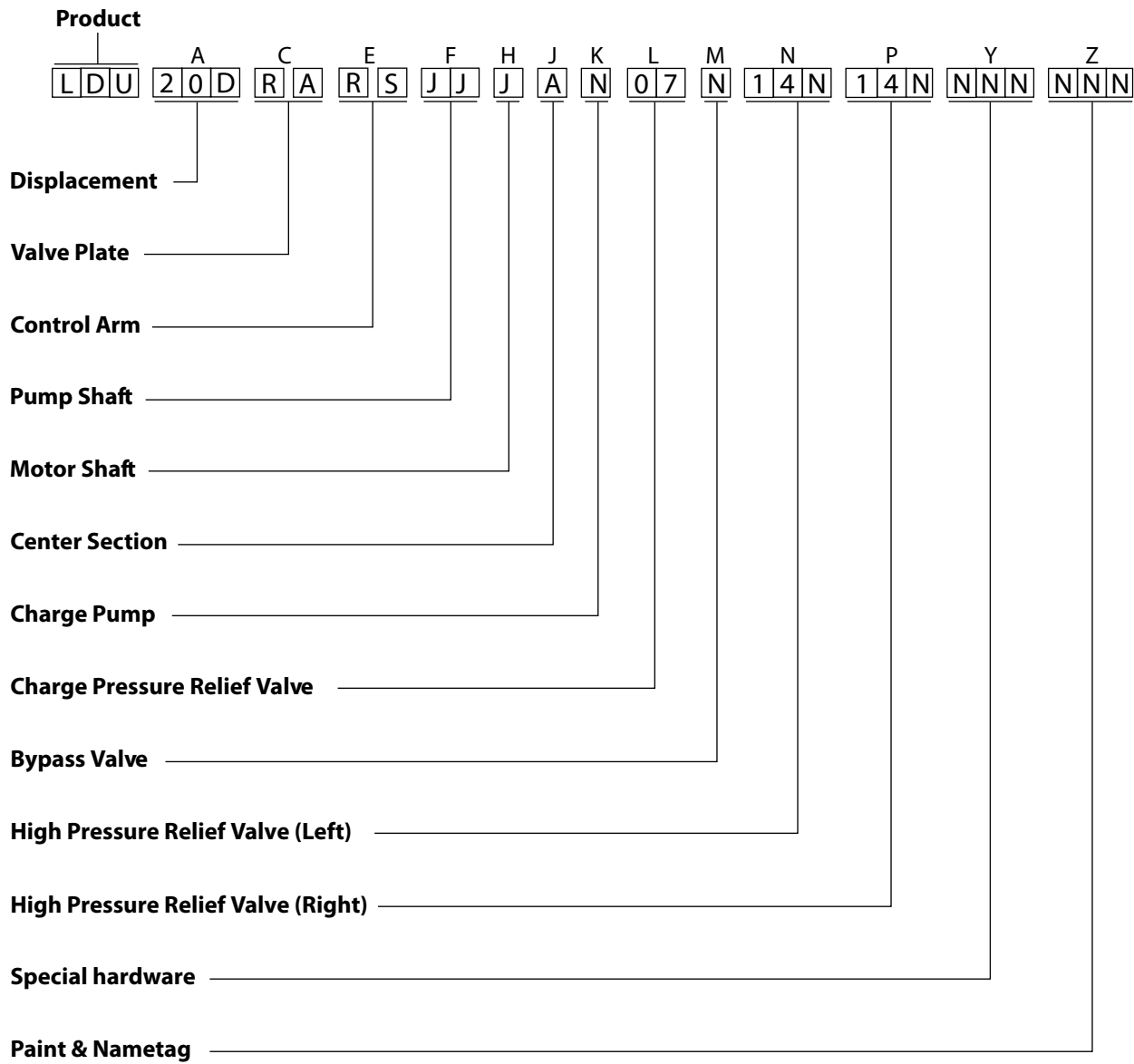
Use the following procedures to determine the part number of the drive shafts used on this unit.

Referring to the Pump Shaft module in the Order Code (see page 13), the pump shaft option for this unit is identified by the code "JJ". (LDU 20D R A R S J J J A N 07 N 14N 14N NNN NNN).

Referring to the Service Parts List, find the Pump Shaft group. Next find the order code that relates to this unit, which is "JJ". The pump shaft is found to be item F100 and part number 11049969.

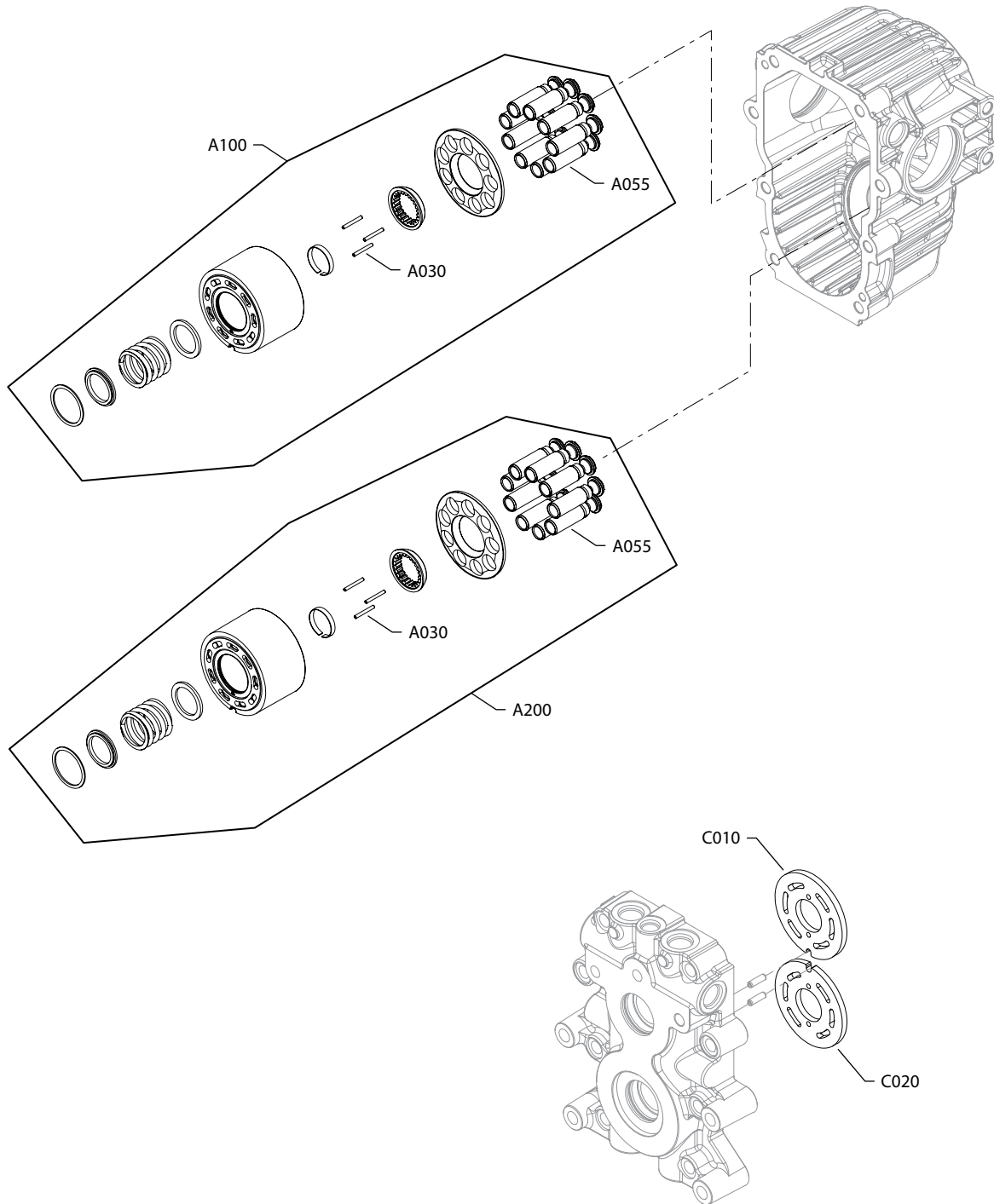
General information

Order code



Variable Pump & Fixed Motor

LDU20 - Displacement & Valve Plate



P400724

Variable Pump & Fixed Motor
LDU20 - Displacement

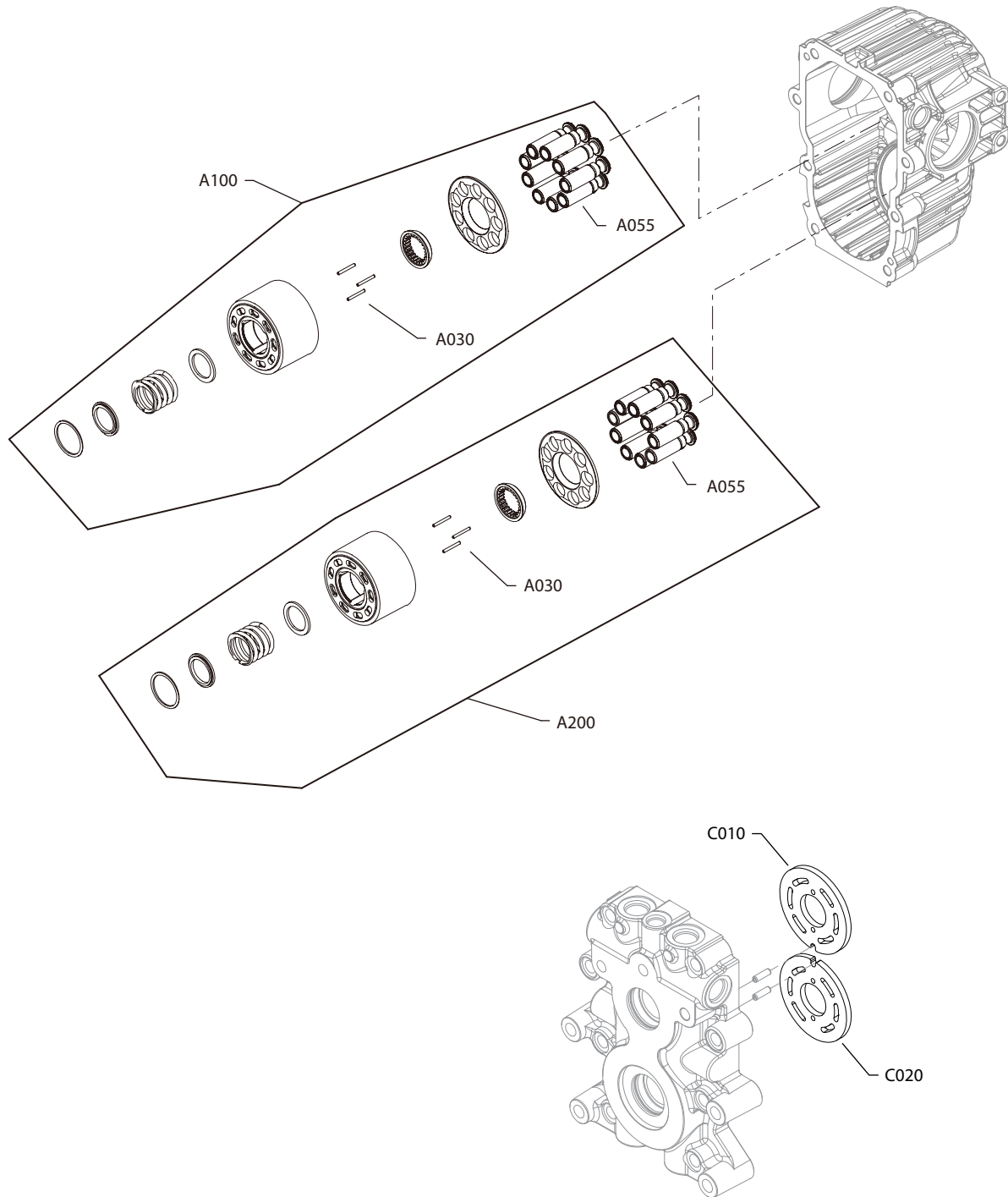
Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
20D	A100	09-28		11051773	KIT-CYLINDER BLOCK, 20CC	1
	A200	09-28		11051773	KIT-CYLINDER BLOCK, 20CC	1
	A030	09-28		11051744	PIN-SLIPPER HOLDDOWN	3
	A055	09-28		11051761	PISTON ASSY	9

LDU20 - Valve Plate

LA	C010	09-28		11065497	VALVEPLATE-PUMP, CCW	1
	C020	09-28		11050392	VALVEPLATE-MOTOR	1
RA	C010	09-28		11050370	VALVEPLATE-PUMP, CW	1
	C020	09-28		11050392	VALVEPLATE-MOTOR	1

Variable Pump & Fixed Motor

LDU24 - Displacement & Valve Plate



P400723

Variable Pump & Fixed Motor
LDU24 - Displacement

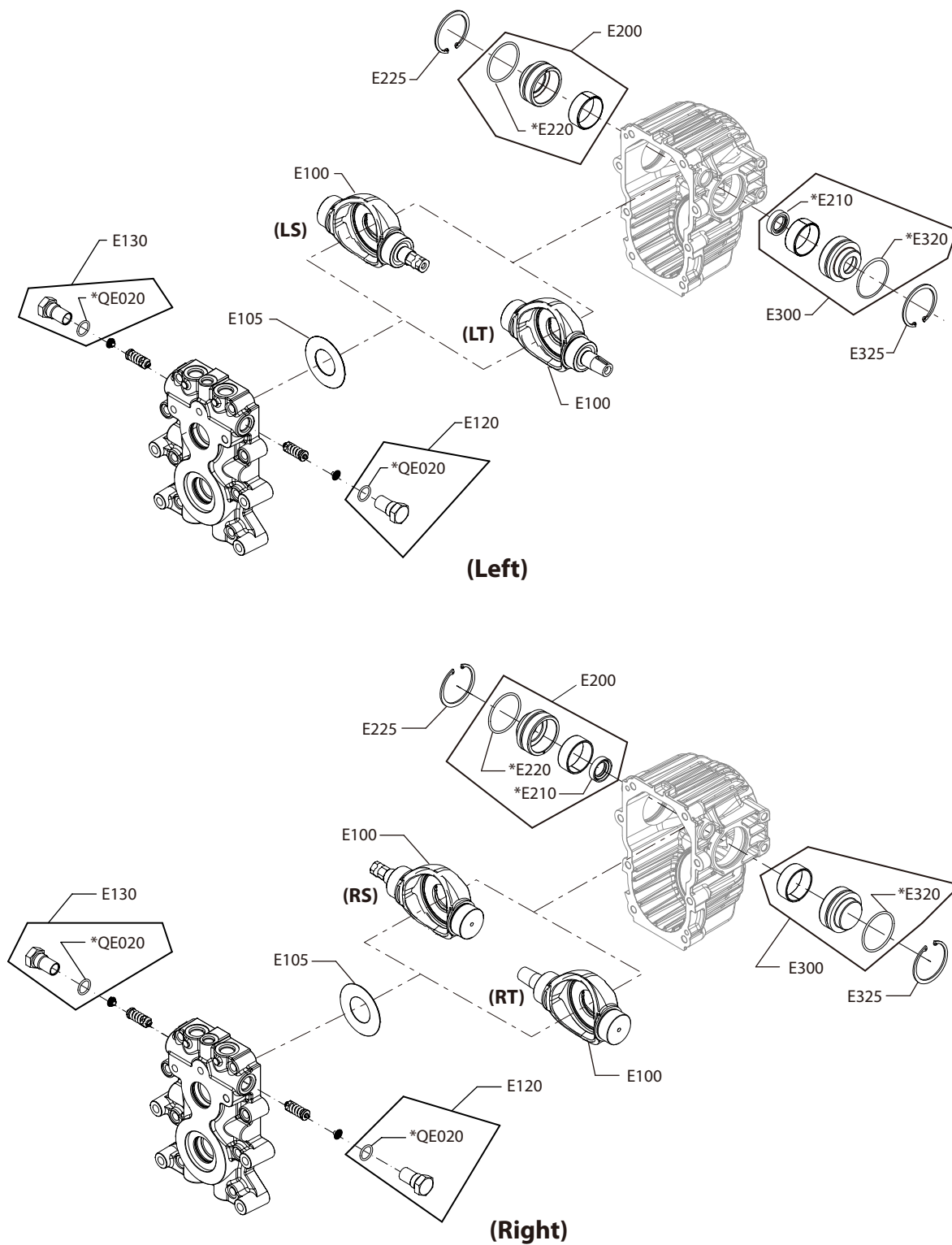
Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
24D	A100	21-19		11229017	KIT-CYLINDER BLOCK, 24CC	1
	A200	21-19		11229017	KIT-CYLINDER BLOCK, 24CC	1
	A030	21-19		11051744	PIN-SLIPPER HOLDDOWN	3
	A055	21-19		11228988	PISTON ASSY	9

LDU24 - Valve Plate

LA	C010	09-28		11065497	VALVEPLATE-PUMP, CCW	1
	C020	09-28		11050392	VALVEPLATE-MOTOR	1
RA	C010	09-28		11050370	VALVEPLATE-PUMP, CW	1
	C020	09-28		11050392	VALVEPLATE-MOTOR	1

Variable Pump & Fixed Motor

Control Arm



*=Included in overhaul seal kit Q210

P400722

Variable Pump & Fixed Motor
Control Arm

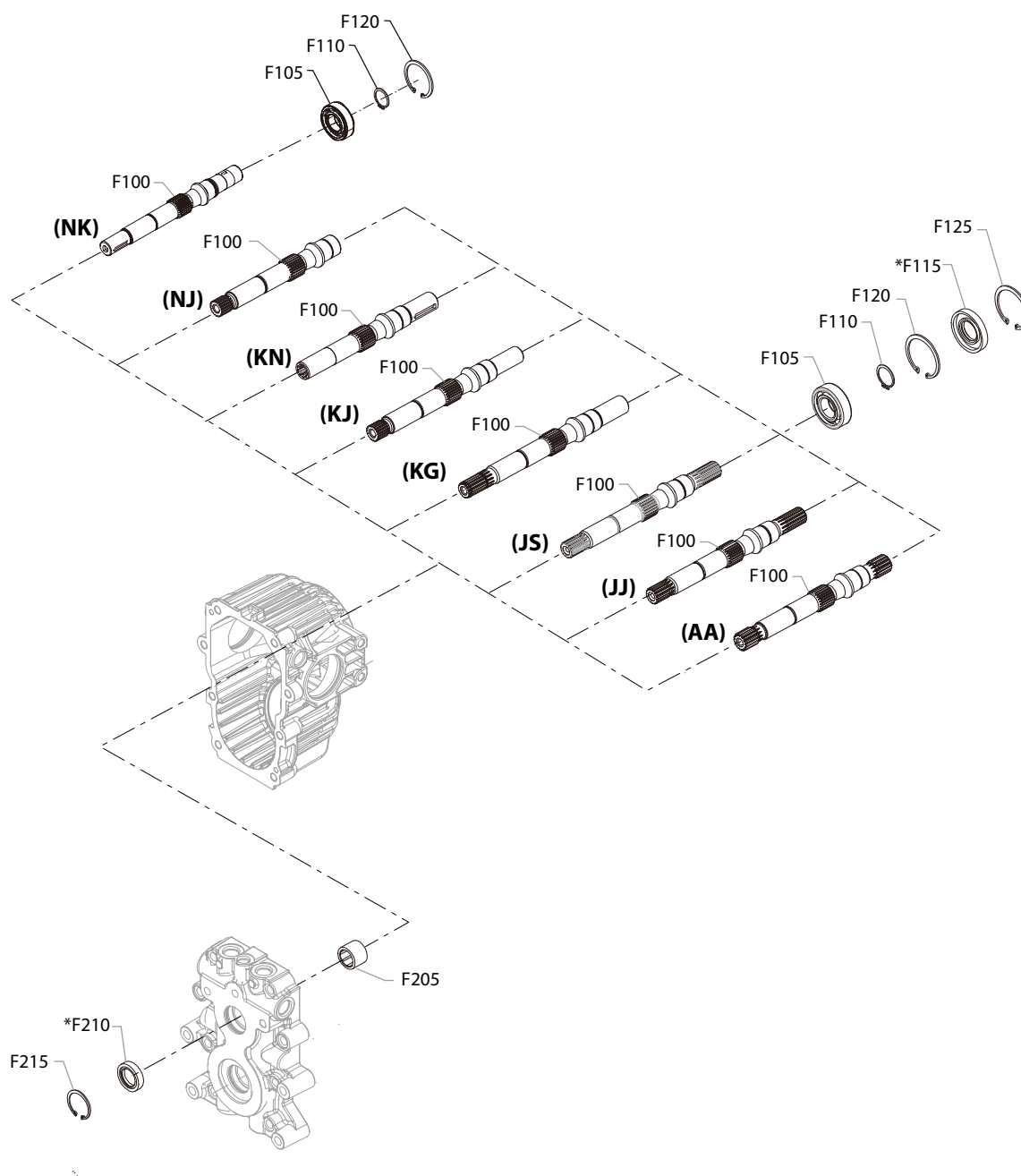
Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
LS	E100	09-28		11048403	SWASHPLATE	1
	E105	09-28		11050101	PLATE-THRUST	1
	E120	09-28		11080925	PLUG ASSY-SCR, LDU20	1
	E130	09-28		11080925	PLUG ASSY-SCR, LDU20	1
	E200	09-28		11051774	JOURNAL CARRIER(A) ASSY	1
	E210	09-28		11050327	SEAL LIP, TCV20x32x8, NBR	1
	E220	09-28		KA1B136	O-RING AS568-136 NBR90	1
	E225	09-28		FBE056	RING-RTNG, INT JISB2804 56x2	1
	E300	09-28		11051775	JOURNAL CARRIER(B) ASSY	1
	E320	09-28		KA1B136	O-RING AS568-136 NBR90	1
	E325	09-28		FBE056	RING-RTNG, INT JISB2804 56x2	1
	QE020	09-28		9004201-5000	O-RING, HMS151 0.644x0.087 N-NBR90	2
RS	E100	09-28		11048403	SWASHPLATE	1
	E105	09-28		11050101	PLATE-THRUST	1
	E120	09-28		11080925	PLUG ASSY-SCR, LDU20	1
	E130	09-28		11080925	PLUG ASSY-SCR, LDU20	1
	E200	09-28		11051775	JOURNAL CARRIER(B) ASSY	1
	E210	09-28		11050327	SEAL LIP, TCV20x32x8, NBR	1
	E220	09-28		KA1B136	O-RING AS568-136 NBR90	1
	E225	09-28		FBE056	RING-RTNG, INT JISB2804 56x2	1
	E300	09-28		11051774	JOURNAL CARRIER(A) ASSY	1
	E320	09-28		KA1B136	O-RING AS568-136 NBR90	1
	E325	09-28		FBE056	RING-RTNG, INT JISB2804 56x2	1
	QE020	09-28		9004201-5000	O-RING, HMS151 0.644x0.087 N-NBR90	2
LT	E100	21-19		11274300	SWASH PLATE, JIS TAPPER	1
	E105	21-19		11050101	PLATE-THRUST	1
	E120	09-28		11080925	PLUG ASSY-SCR, LDU20	1
	E130	09-28		11080925	PLUG ASSY-SCR, LDU20	1
	E200	21-19		11051774	JOURNAL CARRIER(A) ASSY	1
	E210	21-19		11050327	SEAL LIP, TCV20x32x8, NBR	1
	E220	21-19		KA1B136	O-RING AS568-136 NBR90	1
	E225	21-19		FBE056	RING-RTNG, INT JISB2804 56x2	1
	E300	21-19		11051775	JOURNAL CARRIER(B) ASSY	1
	E320	21-19		KA1B136	O-RING AS568-136 NBR90	1
	E325	21-19		FBE056	RING-RTNG, INT JISB2804 56x2	1
	QE020	09-28		9004201-5000	O-RING, HMS151 0.644x0.087 N-NBR90	2

Variable Pump & Fixed Motor

RT	E100	21-19		11274300	SWASH PLATE, JIS TAPPER	1
	E105	21-19		11050101	PLATE-THRUST	1
	E120	09-28		11080925	PLUG ASSY-SCR, LDU20	1
	E130	09-28		11080925	PLUG ASSY-SCR, LDU20	1
	E200	21-19		11051775	JOURNAL CARRIER(B) ASSY	1
	E210	21-19		11050327	SEAL LIP, TCV20x32x8, NBR	1
	E220	21-19		KA1B136	O-RING AS568-136 NBR90	1
	E225	21-19		FBE056	RING-RTNG, INT JISB2804 56x2	1
	E300	21-19		11051774	JOURNAL CARRIER(A) ASSY	1
	E320	21-19		KA1B136	O-RING AS568-136 NBR90	1
	E325	21-19		FBE056	RING-RTNG, INT JISB2804 56x2	1
	QE020	09-28		9004201-5000	O-RING, HMS151 0.644x0.087 N-NBR90	2

Variable Pump & Fixed Motor

Pump Shaft



*=Included in overhaul seal kit Q210

P400860

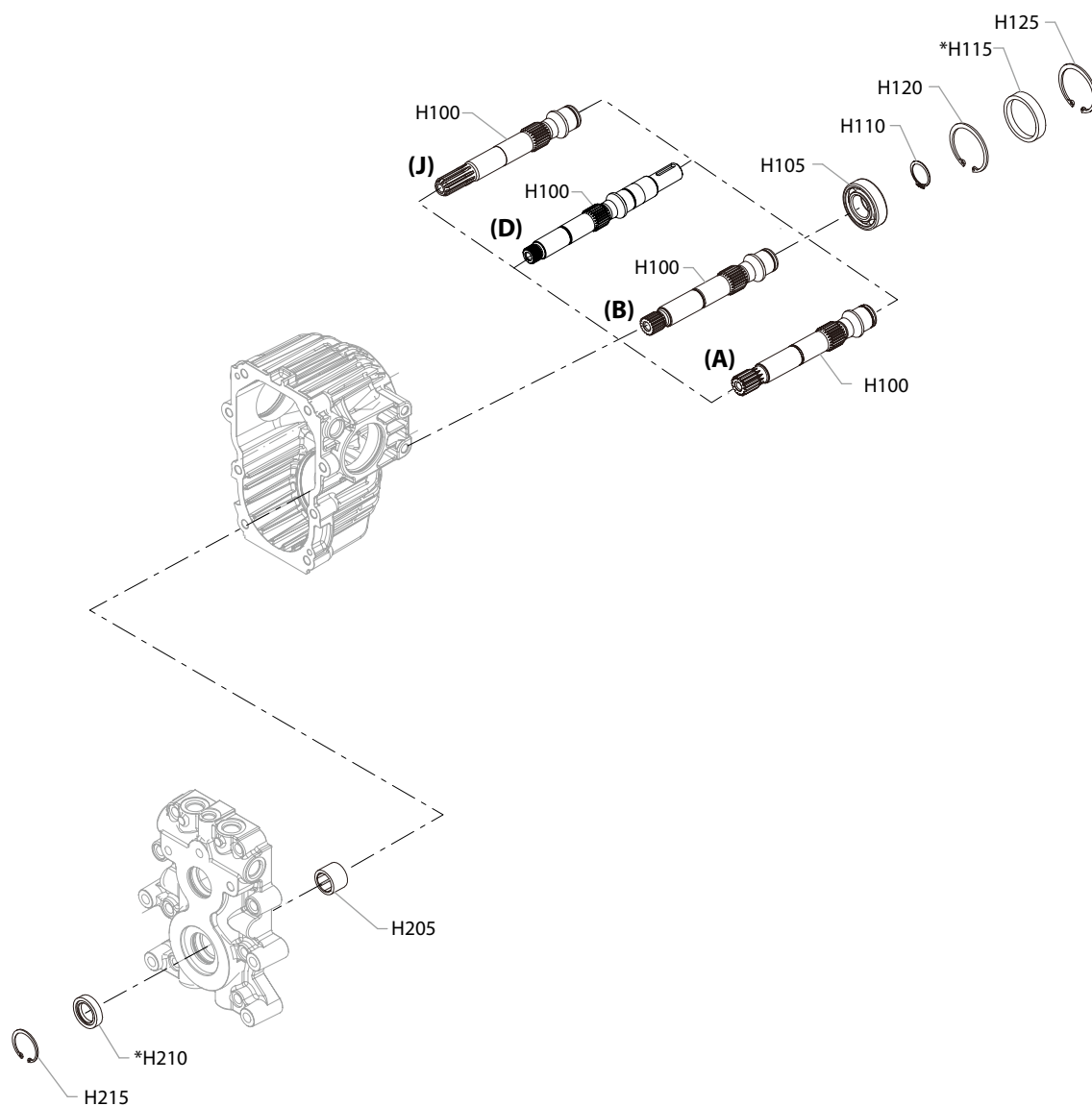
Variable Pump & Fixed Motor

Pump Shaft

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
AA	F100	09-28		11065518	SHAFT-PUMP, ANSI 13T-ANSI 13T	1
	F105	20-40		11257425	BEARING-BALL, 25x52x15	1
	F105	09-28	20-40	SP0984	BEARING-BALL, TMB205	1
	F110	09-28		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	F115	09-28		1040494	OIL SEAL TCV25528	1
	F120	09-28		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F125	09-28		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F205	09-28		11050329	NEEDLE BEARING, HK2220F	1
	F210	09-28		11050326	SEAL LIP, TCV22x35x8, NBR	1
	F215	09-28		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
JJ	F100	09-28		11049969	SHAFT-PUMP, 14T	1
	F105	20-40		11257425	BEARING-BALL, 25x52x15	1
	F105	09-28	20-40	SP0984	BEARING-BALL, TMB205	1
	F110	09-28		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	F115	09-28		1040494	OIL SEAL TCV25528	1
	F120	09-28		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F125	09-28		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F205	09-28		11050329	NEEDLE BEARING, HK2220F	1
	F210	09-28		11050326	SEAL LIP, TCV22x35x8, NBR	1
	F215	09-28		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
JS	F100	21-19		11269334	SHAFT-PUMP, JIS 14T PTO-SHORT	1
	F105	21-19		11257425	BEARING-BALL, 25x52x15	1
	F110	21-19		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	F115	21-19		1040494	OIL SEAL TCV25528	1
	F120	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F125	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F205	21-19		11050329	NEEDLE BEARING, HK2220F	1
	F210	21-19		11050326	SEAL LIP, TCV22x35x8, NBR	1
	F215	21-19		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
KG	F100	21-19		11173928	SHAFT-PUMP, 22KEY+14T W/GROOVE	1
	F105	21-19		11257425	BEARING-BALL, 25x52x15	1
	F110	21-19		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	F115	21-19		1040494	OIL SEAL TCV25528	1
	F120	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F125	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F205	21-19		11050329	NEEDLE BEARING, HK2220F	1
	F210	21-19		11050326	SEAL LIP, TCV22x35x8, NBR	1
	F215	21-19		FBE035	RING-RTNG, INT JISB2804 35x1.5	1

Variable Pump & Fixed Motor

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
KJ	F100	21-19		11198204	SHAFT-PUMP, 20MM KEY + JIS 18T	1
	F105	21-19		11257425	BEARING-BALL, 25×52×15	1
	F110	21-19		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	F115	21-19		1040494	OIL SEAL TCV25528	1
	F120	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F125	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F205	21-19		11050329	NEEDLE BEARING, HK2220F	1
	F210	21-19		11050326	SEAL LIP, TCV22x35x8, NBR	1
	F215	21-19		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
KN	F100	21-19		11108699	SHAFT-PUMP, 22MM KEY + 9T INT	1
	F105	21-19		11257425	BEARING-BALL, 25×52×15	1
	F110	21-19		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	F115	21-19		1040494	OIL SEAL TCV25528	1
	F120	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F125	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F205	21-19		11050329	NEEDLE BEARING, HK2220F	1
	F210	21-19		11050326	SEAL LIP, TCV22x35x8, NBR	1
	F215	21-19		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
NJ	F100	17-49		11198203	SHAFT-PUMP, JIS 18T	1
	F105	21-19		11257425	BEARING-BALL, 25×52×15	1
	F110	21-19		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	F115	21-19		1040494	OIL SEAL TCV25528	1
	F120	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F125	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F205	21-19		11050329	NEEDLE BEARING, HK2220F	1
	F210	21-19		11050326	SEAL LIP, TCV22x35x8, NBR	1
	F215	21-19		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
NK	F100	12-52		11125970	SHAFT LDU20 CHP KEY	1
	F105	21-19		11257425	BEARING-BALL, 25×52×15, LDU20	1
	F110	21-19		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	F120	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	F205	21-19		11050329	NEEDLE BEARING, HK2220C	1
	F210	21-19		11050326	SEAL LIP, TCV22x35x8, NBR	1
	F215	21-19		FBE035	RING-RTNG, INT JISB2804 35x1.5	1



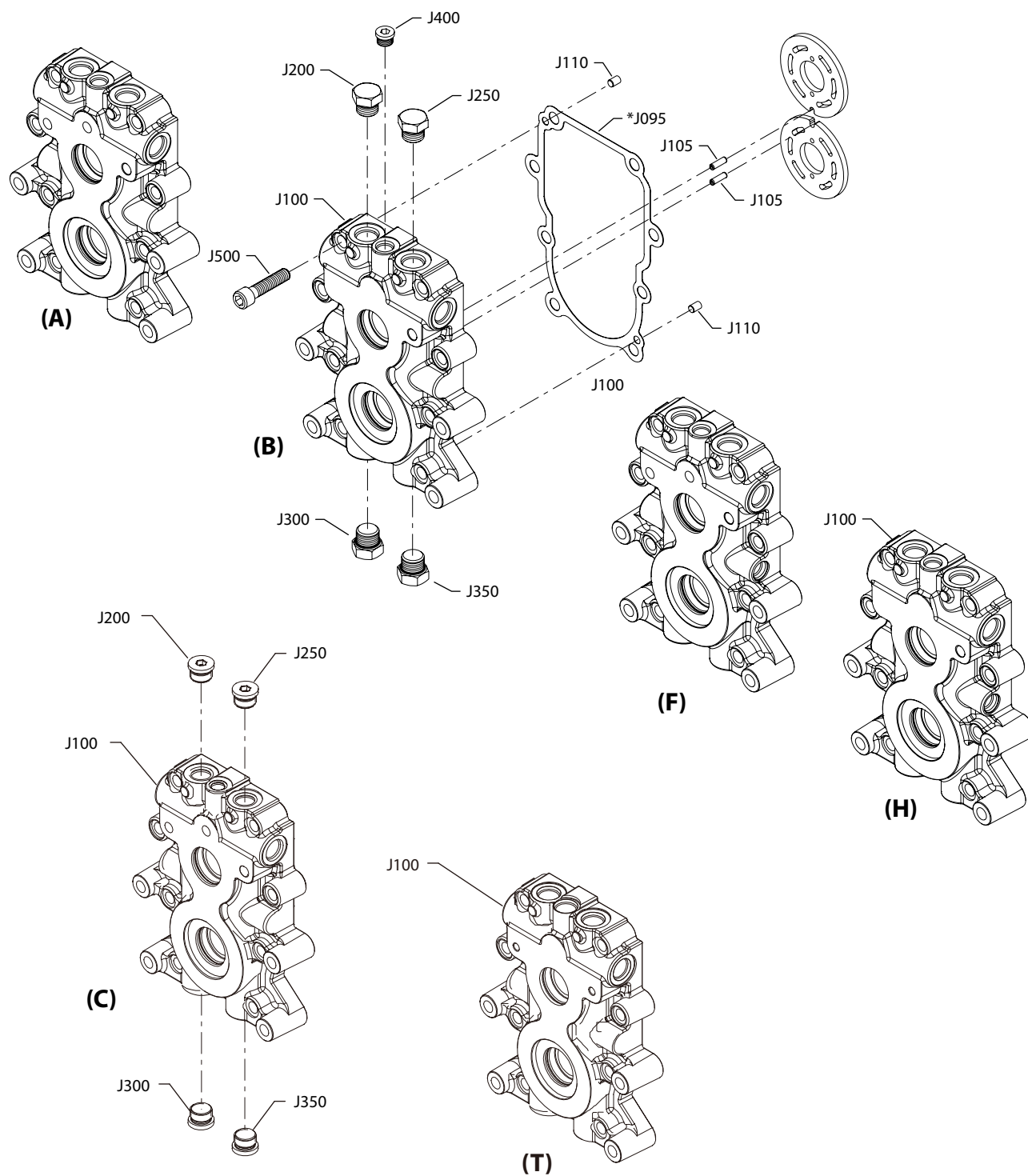
Variable Pump & Fixed Motor

Motor Shaft

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
A	H100	09-28		11065521	SHAFT-MOTOR, ANSI13T	1
	H105	20-40		11257425	BEARING-BALL, 25x52x15	1
	H105	09-28	20-40	SP0984	BEARING-BALL, TMB205	1
	H110	09-28		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	H115	09-28		11050328	BORE-PLUG, RCA52x10, NBR	1
	H120	09-28		FBE052	RING-RTNG, INT JISB2804 52x2	1
	H125	09-28		FBE052	RING-RTNG, INT JISB2804 52x2	1
	H205	09-28		11050329	NEEDLE BEARING, HK2220C	1
	H210	09-28		11050326	SEAL LIP, TCV22x35x8, NBR	1
	H215	09-28		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
B	H100	21-19		11198205	Shaft, motor, JIS 18 tooth spline	1
	H105	21-19		11257425	BEARING-BALL, 25x52x15	1
	H110	21-19		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	H115	21-19		11050328	BORE-PLUG, RCA52x10, NBR	1
	H120	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	H125	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	H205	21-19		11050329	NEEDLE BEARING, HK2220C	1
	H210	21-19		11050326	SEAL LIP, TCV22x35x8, NBR	1
	H215	21-19		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
D	H100	12-52		11113622	MOTOR SHAFT LDU20 KEY+23T	1
	H105	21-19		11257425	BEARING-BALL, 25x52x15	1
	H110	21-19		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	H115	21-19		1040494	OIL SEAL TCV25528	1
	H120	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	H125	21-19		FBE052	RING-RTNG, INT JISB2804 52x2	1
	H205	21-19		11050329	NEEDLE BEARING, HK2220C	1
	H210	21-19		11050326	SEAL LIP, TCV22x35x8, NBR	1
	H215	21-19		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
J	H100	09-28		11049970	Shaft, motor, JIS 14 tooth spline	1
	H105	20-40		11257425	BEARING-BALL, 25x52x15	1
	H105	09-28	20-40	SP0984	BEARING-BALL, TMB205	1
	H110	09-28		FBD025	RING-RTNG, EXT JISB2804 25x1.2	1
	H115	09-28		11050328	BORE-PLUG, RCA52x10, NBR	1
	H120	09-28		FBE052	RING-RTNG, INT JISB2804 52x2	1
	H125	09-28		FBE052	RING-RTNG, INT JISB2804 52x2	1
	H205	09-28		11050329	NEEDLE BEARING, HK2220C	1
	H210	09-28		11050326	SEAL LIP, TCV22x35x8, NBR	1
	H215	09-28		FBE035	RING-RTNG, INT JISB2804 35x1.5	1

Variable Pump & Fixed Motor

Center Section



*=Included in overhaul seal kit Q210

P400725

Variable Pump & Fixed Motor

Center Section

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
A	J095	09-28		11050367	GASKET, 627IK	1
	J100	09-28		11048439	CENTERSECTION	1
	J105	09-28		9004700-1910	PIN-SLTDD SPRG,ANSIB18.8.2 0.1875x0.625	2
	J110	09-28		9004800-2506	PIN-STRAIGHT, ASMEB1882 0.2503x0.375	2
	J200	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J250	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J300	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J350	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J400	09-28		J9005110-5600	PLUG ASSY-SOC HD, UNF-9/16-18	1
	J500	09-28		AAM1004501	SCREW-SOC HD,M10X45 JISB1176	8

B	J095	09-28		11050367	GASKET, 627IK	1
	J100	09-28		11065524	CENTERSECTION	1
	J105	09-28		9004700-1910	PIN-SLTDD SPRG,ANSIB18.8.2 0.1875x0.625	2
	J110	09-28		9004800-2506	PIN-STRAIGHT, ASMEB1882 0.2503x0.375	2
	J200	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J250	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J300	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J350	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J400	09-28		J9005110-5600	PLUG ASSY-SOC HD, UNF-9/16-18	1
	J500	09-28		AAM1004501	SCREW-SOC HD,M10X45 JISB1176	8

C	J095	21-19		11050367	GASKET, 627IK	1
	J100	21-19		11048439	CENTERSECTION	1
	J105	21-19		9004700-1910	PIN-SLTDD SPRG,ANSIB18.8.2 0.1875x0.625	2
	J110	21-19		9004800-2506	PIN-STRAIGHT, ASMEB1882 0.2503x0.375	2
	J200	21-19		J9005110-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J250	21-19		J9005110-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J300	21-19		J9005110-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J350	21-19		J9005110-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J400	21-19		J9005110-5600	PLUG ASSY-SOC HD, UNF-9/16-18	1
	J500	21-19		AAM1004501	SCREW-SOC HD,M10X45 JISB1176	8

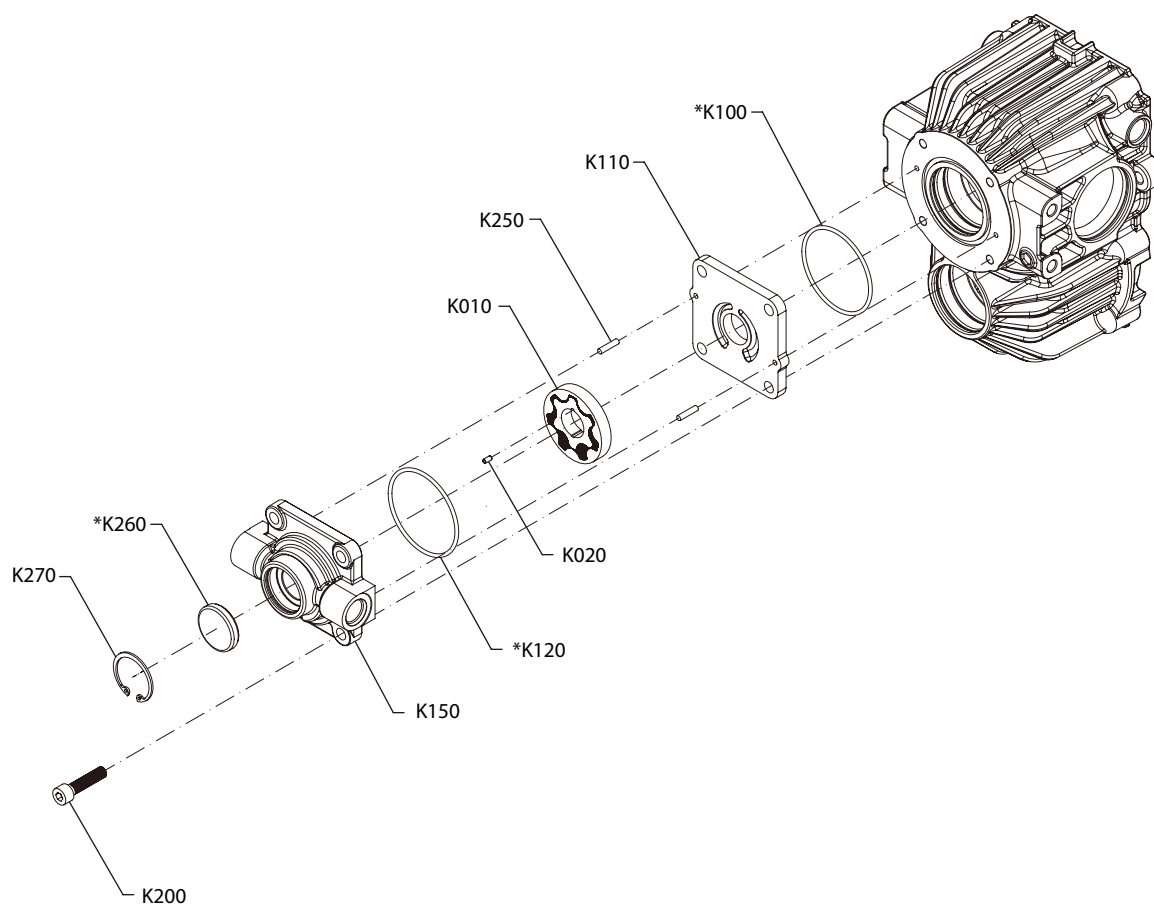
F	J095	09-28		11050367	GASKET, 627IK	1
	J100	09-28		11069505	CENTERSECTION	1
	J105	09-28		9004700-1910	PIN-SLTDD SPRG,ANSIB18.8.2 0.1875x0.625	2
	J110	09-28		9004800-2506	PIN-STRAIGHT, ASMEB1882 0.2503x0.375	2
	J200	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J250	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J300	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J350	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J400	09-28		J9005110-5600	PLUG ASSY-SOC HD, UNF-9/16-18	1
	J500	09-28		AAM1004501	SCREW-SOC HD,M10X45 JISB1176	8

Variable Pump & Fixed Motor

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
H	J095	09-28		11050367	GASKET, 627IK	1
	J100	09-28		11069506	CENTERSECTION	1
	J105	09-28		9004700-1910	PIN-SLT TD SPRG,ANSIB18.8.2 0.1875x0.625	2
	J110	09-28		9004800-2506	PIN-STRAIGHT, ASMEB1882 0.2503x0.375	2
	J200	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J250	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J300	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J350	09-28		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J400	09-28		J9005110-5600	PLUG ASSY-SOC HD, UNF-9/16-18	1
	J500	09-28		AAM1004501	SCREW-SOC HD,M10X45 JISB1176	8
T	J095	21-19		11050367	GASKET, 627IK	1
	J100	21-19		11196996	CENTERSECTION	1
	J105	21-19		9004700-1910	PIN-SLT TD SPRG,ANSIB18.8.2 0.1875x0.625	2
	J110	21-19		9004800-2506	PIN-STRAIGHT, ASMEB1882 0.2503x0.375	2
	J200	21-19		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J250	21-19		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J300	21-19		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J350	21-19		J9005100-7500	PLUG ASSY-HEX HD, UNF-3/4-16	1
	J400	21-19		J9005110-5600	PLUG ASSY-SOC HD, UNF-9/16-18	1
	J500	21-19		AAM1004501	SCREW-SOC HD,M10X45 JISB1176	8

Variable Pump & Fixed Motor

Charge Pump



*=Included in overhaul seal kit Q210

Parts Manual
LDU20/24 Closed Circuit Axial Piston Transmission

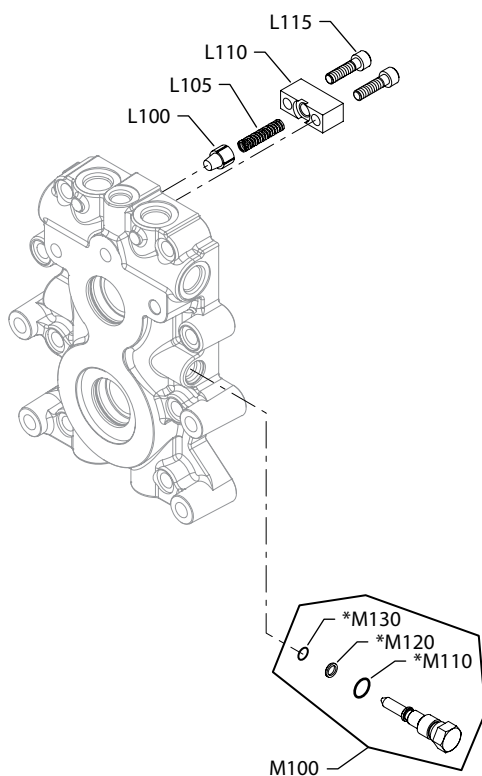
Variable Pump & Fixed Motor

Charge Pump

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
06	K010	08-07		9700861-0001	GEROTOR	1
	K020	08-07		9004800-1204	PIN-STRAIGHT, ASMEB1882 0.1253x0.250	1
	K100	08-07		9004100-1440	O-RING, HMS151 2.487x0.103 N-NBR70	1
	K110	12-52		11125251	PLATE-SPACER 6cc LDU20	1
	K120	08-07		9004100-1440	O-RING, HMS151 2.487x0.103 N-NBR70	1
	K150	13-45		11140994	HOUSING-CHARGE PUMP LDU20	1
	K200	08-07		AAM0803501	SCREW-SOC HD,M8X35 JISB1176	4
	K250	08-07		1741844	PIN STRAIGHT	2
	K260	12-52		11125955	BORE-PLUG, RCA35x7, NBR	1
	K270	08-07		FBE035	RING-RTNG, INT JISB2804 35x1.5	1
N				NONE		

Variable Pump & Fixed Motor

Charge Pressure Relief Valve & Bypass Valve



*=Included in overhaul seal kit Q210

Variable Pump & Fixed Motor

Charge Pressure Relief Valve

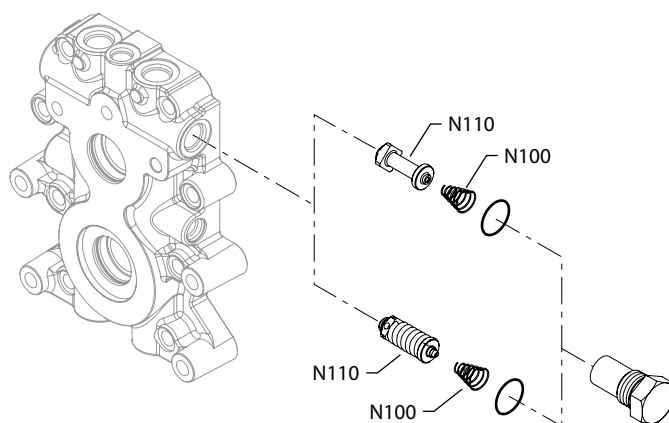
Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
07	L100	09-28		1040213	CONE RELIEF VALVE	1
	L105	09-28		11050368	SPRING, CHARGE-RELIEF	1
	L110	09-28		11050246	GUIDE SPRING	1
	L115	09-28		AAM0602501	SCREW-SOC HD,M6X25 JISB1176	2

Bypass valve

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
C	M100	09-28		11083527	VALVE ASSY-BYPASS	1
	M110	12-02		11106929	O-RING, JISB2401 P11 NBR70 KP1A011	1
	M120	09-28		11076700	RING-BACK UP, JISB2407 T2 P7	1
	M130	09-28		KP4F007	O-RING, JISB2401 P7 FKM90	1
N				NONE		

Variable Pump & Fixed Motor

High Pressure Relief Valve (Left)



Variable Pump & Fixed Motor
High Pressure Relief Valve (Left)

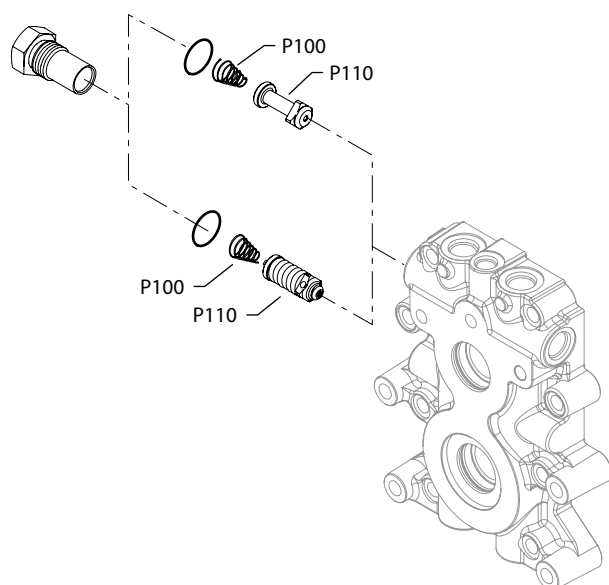
Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
00N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103348	POPPET-CHECK VALVE	1
14N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103375-0140	VALVE ASSY-SCR, 140BAR/2030PSI	1
14A	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		11068596	VALVE-SCR,140BAR/2030PSI W/0.85MM ORIFICE	1
17N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103375-0175	VALVE ASSY-SCR, 175BAR/2538PSI	1
17A	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		11068588	VALVE-SCR,175BAR/2538PSI W/0.85MM ORIFICE	1
21N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103375-0210	VALVE ASSY-SCR, 210BAR/3045PSI	1
21A	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		11066872	VALVE-SCR,210BAR/3045PSI W/0.85MM ORIFICE	1
25N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103375-0250	VALVE ASSY-SCR, 250BAR/3625PSI	1
25A	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		11065546	VALVE-SCR,250BAR/3625PSI W/0.85MM ORIFICE	1
28N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103375-0280	VALVE ASSY-SCR, 280BAR/4060PSI	1

Variable Pump & Fixed Motor

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
28A	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		11065532	VALVE-SCR,280BAR/4060PSI W/0.85MM ORIFICE	1
30N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103375-0300	VALVE ASSY-SCR, 300BAR/4350PSI	1
30A	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		11065535	VALVE-SCR,300BAR/4350PSI W/0.85MM ORIFICE	1
32N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103375-0325	VALVE ASSY-SCR, 325BAR/4712PSI	1
32A	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		11065541	VALVE-SCR,325BAR/4712PSI W/0.85MM ORIFICE	1
34N	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		3103375-0345	VALVE ASSY-SCR, 345BAR/5000PSI	1
34A	N100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	N100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	N110	09-28		11065545	VALVE-SCR,345BAR/5000PSI W/0.85MM ORIFICE	1
NNN				NONE		

Variable Pump & Fixed Motor

High Pressure Relief Valve (Right)



E101 775

Variable Pump & Fixed Motor

High Pressure Relief Valve (Right)

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
00N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103348	POPPET-CHECK VALVE	1
14N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103375-0140	VALVE ASSY-SCR, 140BAR/2030PSI	1
14A	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		11068596	VALVE-SCR,140BAR/2030PSI W/0.85MM ORIFICE	1
17N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103375-0175	VALVE ASSY-SCR, 175BAR/2538PSI	1
17A	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		11068588	VALVE-SCR,175BAR/2538PSI W/0.85MM ORIFICE	1
21N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103375-0210	VALVE ASSY-SCR, 210BAR/3045PSI	1
21A	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		11066872	VALVE-SCR,210BAR/3045PSI W/0.85MM ORIFICE	1
25N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103375-0250	VALVE ASSY-SCR, 250BAR/3625PSI	1
25A	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		11065546	VALVE-SCR,250BAR/3625PSI W/0.85MM ORIFICE	1
28N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103375-0280	VALVE ASSY-SCR, 280BAR/4060PSI	1

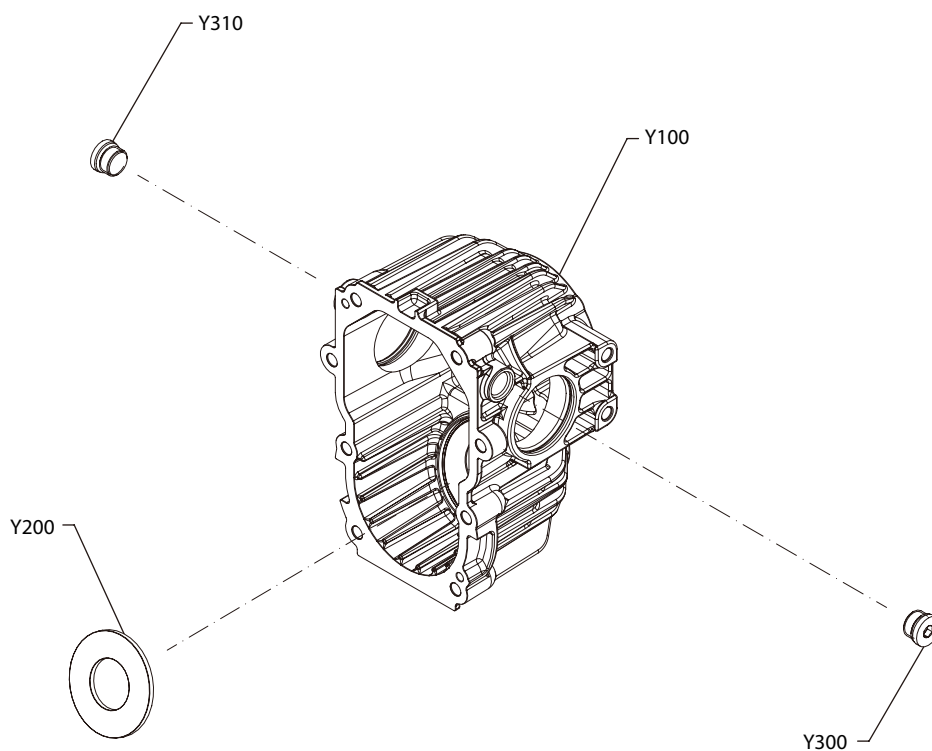
Parts Manual
LDU20/24 Closed Circuit Axial Piston Transmission

Variable Pump & Fixed Motor

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
28A	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		11065532	VALVE-SCR,280BAR/4060PSI W/0.85MM ORIFICE	1
30N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103375-0300	VALVE ASSY-SCR, 300BAR/4350PSI	1
30A	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		11065535	VALVE-SCR,300BAR/4350PSI W/0.85MM ORIFICE	1
32N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103375-0325	VALVE ASSY-SCR, 325BAR/4712PSI	1
32A	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		11065541	VALVE-SCR,325BAR/4712PSI W/0.85MM ORIFICE	1
34N	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		3103375-0345	VALVE ASSY-SCR, 345BAR/5000PSI	1
34A	P100	19-44		11192689	SPRING-COMPRESSION, CONICAL	1
	P100	09-28	19-44	4800780	SPRING-COMPRESSION, CONICAL	1
	P110	09-28		11065545	VALVE-SCR,345BAR/5000PSI W/0.85MM ORIFICE	1
NNN				NONE		

Variable Pump & Fixed Motor

Special Hardware & Overhaul Seal Kit



Variable Pump & Fixed Motor
Special Hardware

Order Code	Item	Date Begin	Date End	Part Number	Part Name	Qty. per Model/Kit
NNN	Y100	08-40		11047888	HOUSING, LDU20	1
	Y200	08-40		11050106	PLATE-THRUST, LDU20	1
	Y300	08-07		J9005110-7500	PLUG ASSY-SOC HD, UNF-3/4-16	1
	Y310	08-07		J9005110-7500	PLUG ASSY-SOC HD, UNF-3/4-16	1
ANN	Y100	12-52		11113798	HOUSING W/ CHP, LDU20	1
	Y200	08-40		11050106	PLATE-THRUST, LDU20	1
	Y300	08-07		J9005110-7500	PLUG ASSY-SOC HD, UNF-3/4-16	1
	Y310	08-07		J9005110-7500	PLUG ASSY-SOC HD, UNF-3/4-16	1

Overhaul Seal Kit

	Q210	09-27		11085696	OVERHAUL SEAL KIT LDU20	1
	E210	09-28		11050327	SEAL LIP, TCV20x32x8, NBR	1
	E220	09-28		KA1B136	O-RING AS568-136 NBR90	1
	E320	09-28		KA1B136	O-RING AS568-136 NBR90	1
	F115	09-28		1040494	OIL SEAL TCV25528	1
	F210	09-28		11050326	SEAL LIP, TCV22x35x8, NBR	1
	H115	09-28		1040494	OIL SEAL TCV25528	1
	H115	09-28		11050328	BORE-PLUG, RCA52x10, NBR	1
	H210	08-40		11050326	SEAL LIP, TCV22x35x8, NBR	1
	J095	09-28		11050367	GASKET, 627IK, LDU20	1
	K100	09-28		9004100-1440	O-RING, HMS151 2.487x0.103 N-NBR70	1
	K120	09-28		9004100-1440	O-RING, HMS151 2.487x0.103 N-NBR70	1
	K260	09-28		11125955	BORE-PLUG, RCA35x7, NBR	1
	M110	09-28		11106929	O-RING, JISB2401 P11 NBR70 KP1A011	1
	M120	09-28		11076700	RING-BACK UP, JISB2407 T2 P7	1
	M130	09-28		KP4F007	O-RING, JISB2401 P7 FKM90	1
	QE020	09-28		9004201-5000	O-RING, HMS151 0.644x0.087 N-NBR90	2

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