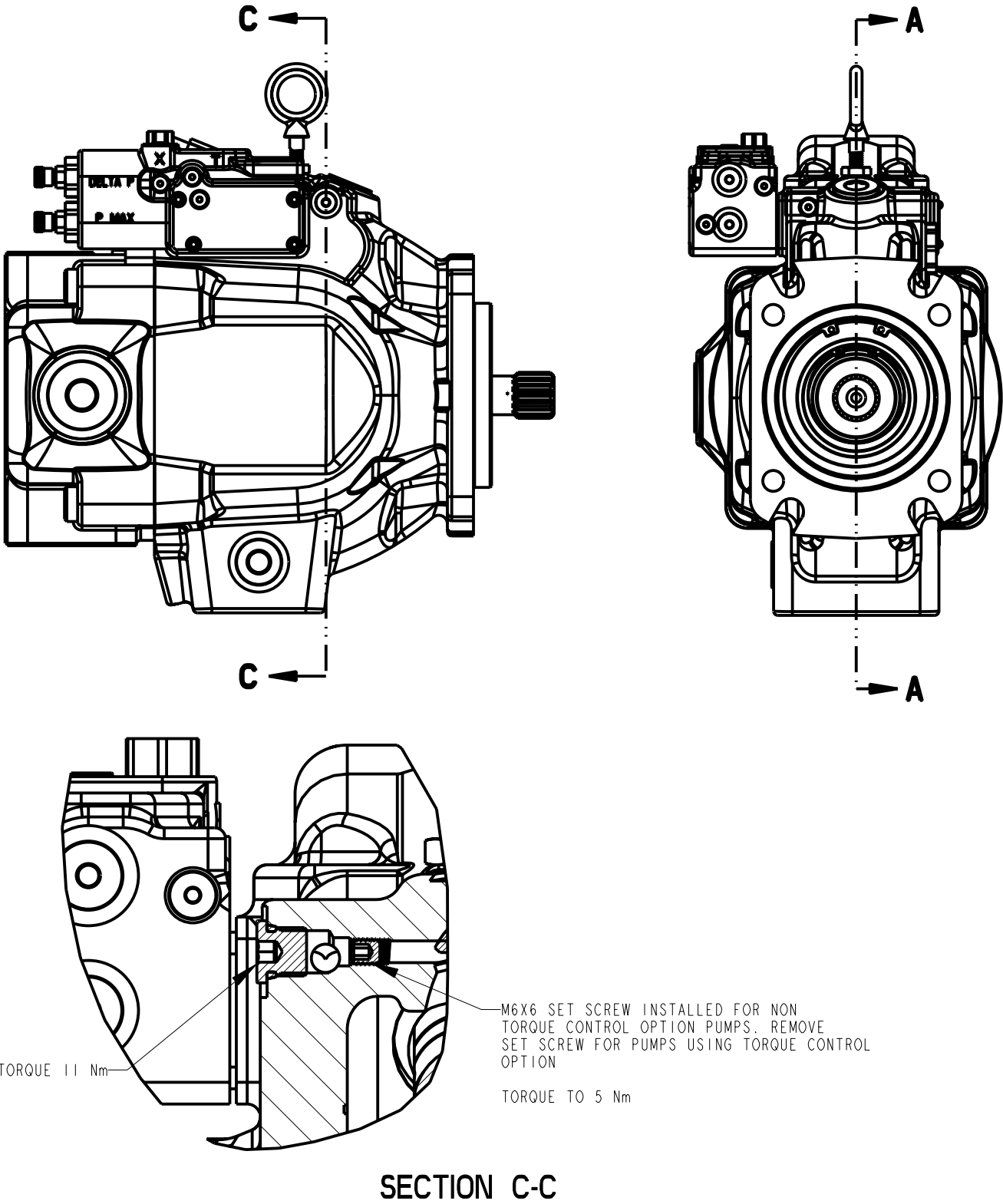
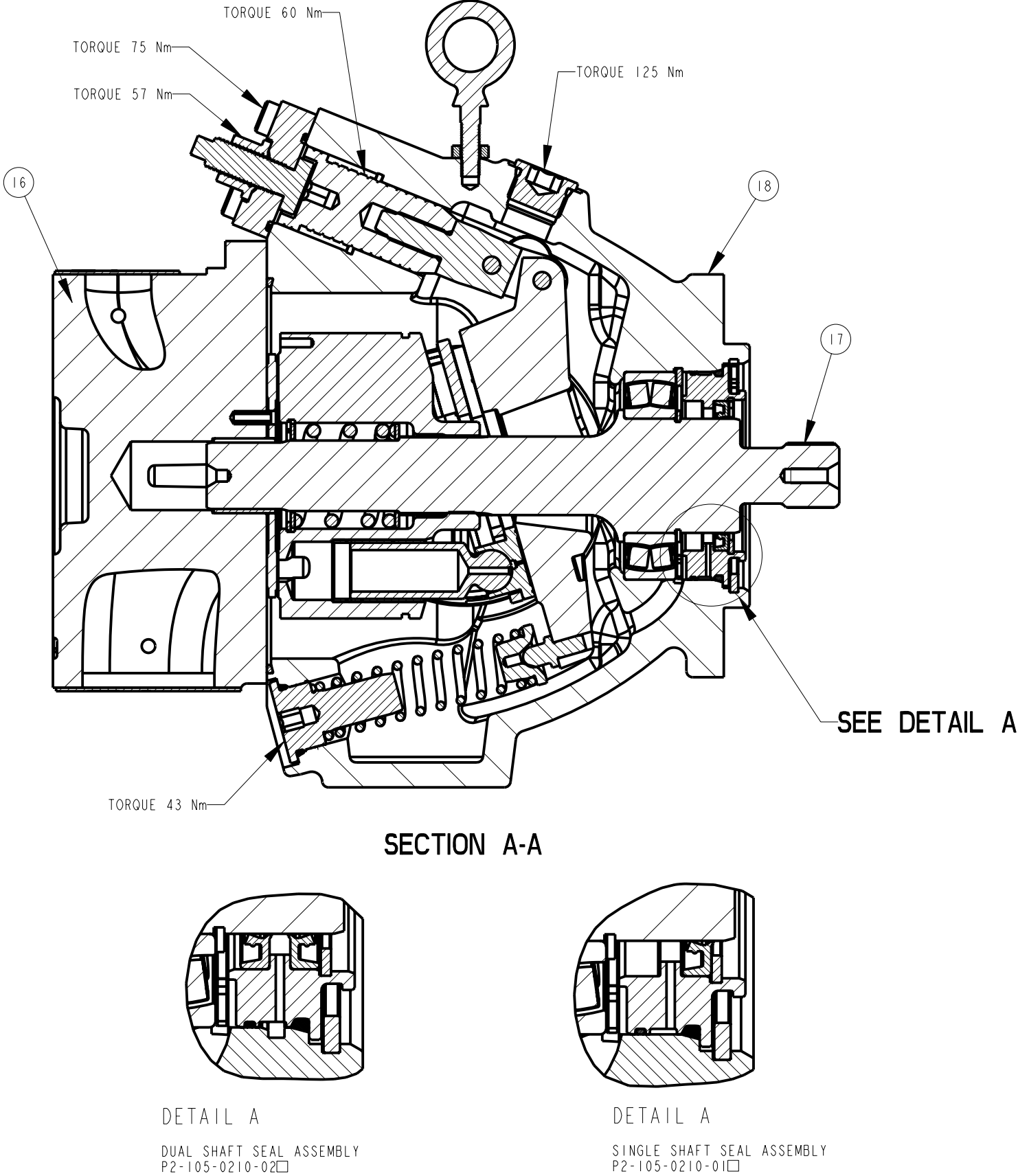


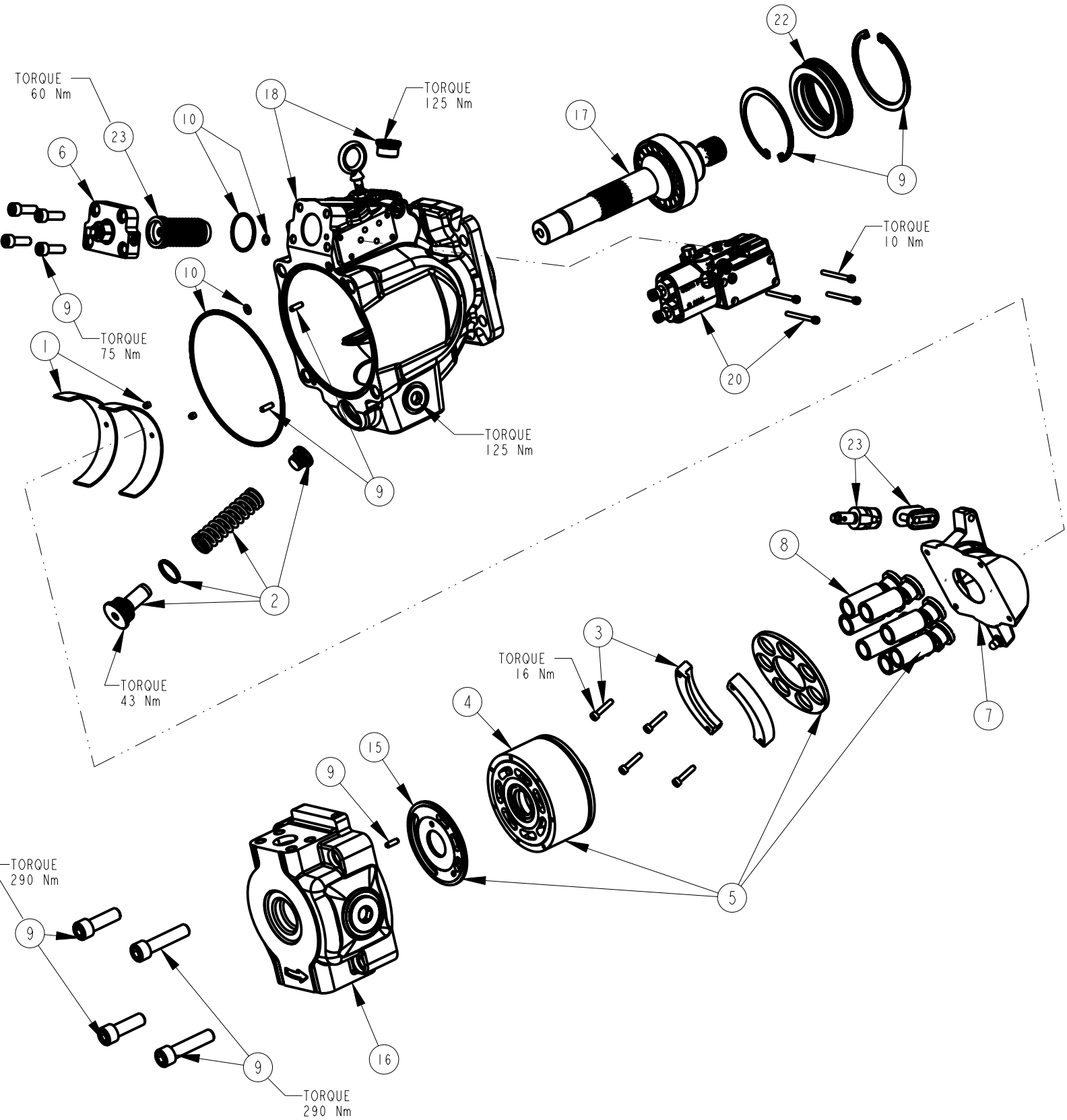
TITLE	SERVICE PARTS P2105 DESIGN SERIES 15	DRAWING NUMBER	P2-105-0411	REVISION	NONE	STATUS	PR	SHEET 1 OF 8
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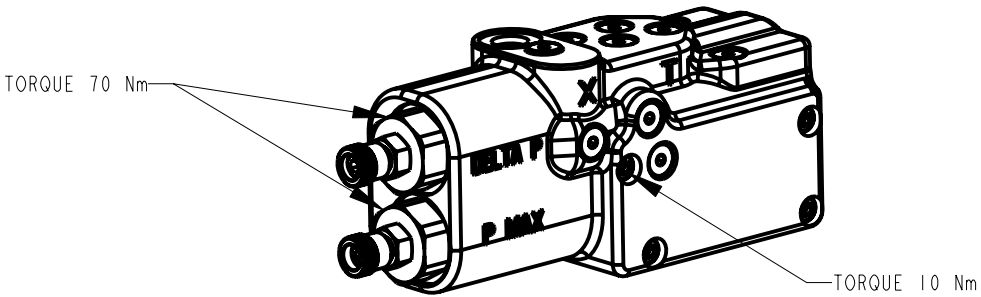
NOTES:
1 PUMP SHOWN IS A RIGHT HAND (CW) ROTATION PUMP. LEFT HAND (CCW) ROTATION PUMPS HAVE OUTLET GAUGE PORT REVERSED.

DRAWN BY	L. NAGEL	DATE	10JUL09	CHANGED BY	-	DATE	-	ECN NUMBER	710409
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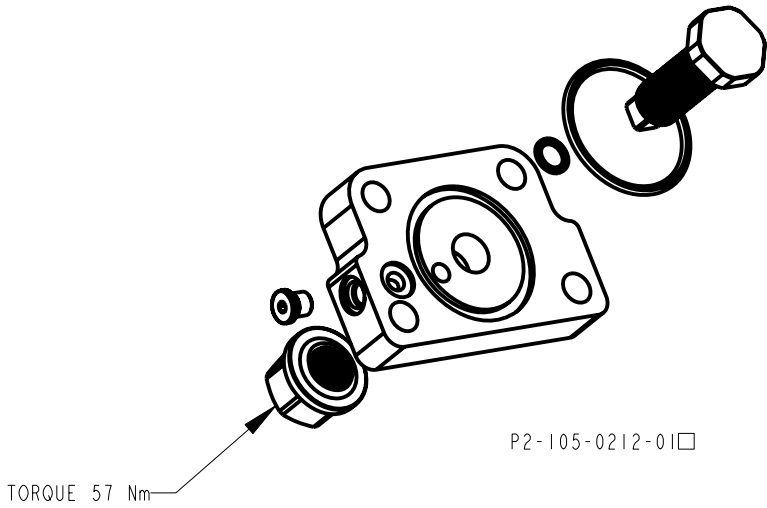


COMPENSATOR KITS ITEM 20



PA	A	20	P2-075-0806-07□	I	COMPENSATOR ASSY
	B	20	P2-075-0806-08□	I	COMPENSATOR ASSY
RA	A	20	P2-075-0806-05□	I	COMPENSATOR ASSY
	B	20	P2-075-0806-06□	I	COMPENSATOR ASSY
LA	A	20	P2-075-0806-01□	I	COMPENSATOR ASSY
	B	20	P2-075-0806-02□	I	COMPENSATOR ASSY
LB	A	20	P2-075-0806-03□	I	COMPENSATOR ASSY
	B	20	P2-075-0806-04□	I	COMPENSATOR ASSY
TA	A	20	P2-075-0806-11□	I	COMPENSATOR ASSY
	B	20	P2-075-0806-12□	I	COMPENSATOR ASSY
TB	A	20	P2-075-0806-13□	I	COMPENSATOR ASSY
	B	20	P2-075-0806-14□	I	COMPENSATOR ASSY

MAX. VOLUME ASSEMBLY ITEM 6



TITLE	SERVICE PARTS P2105 DESIGN SERIES 15	DRAWING NUMBER	P2-105-0411	REVISION	NONE	STATUS	PR	SHEET	3 OF 8
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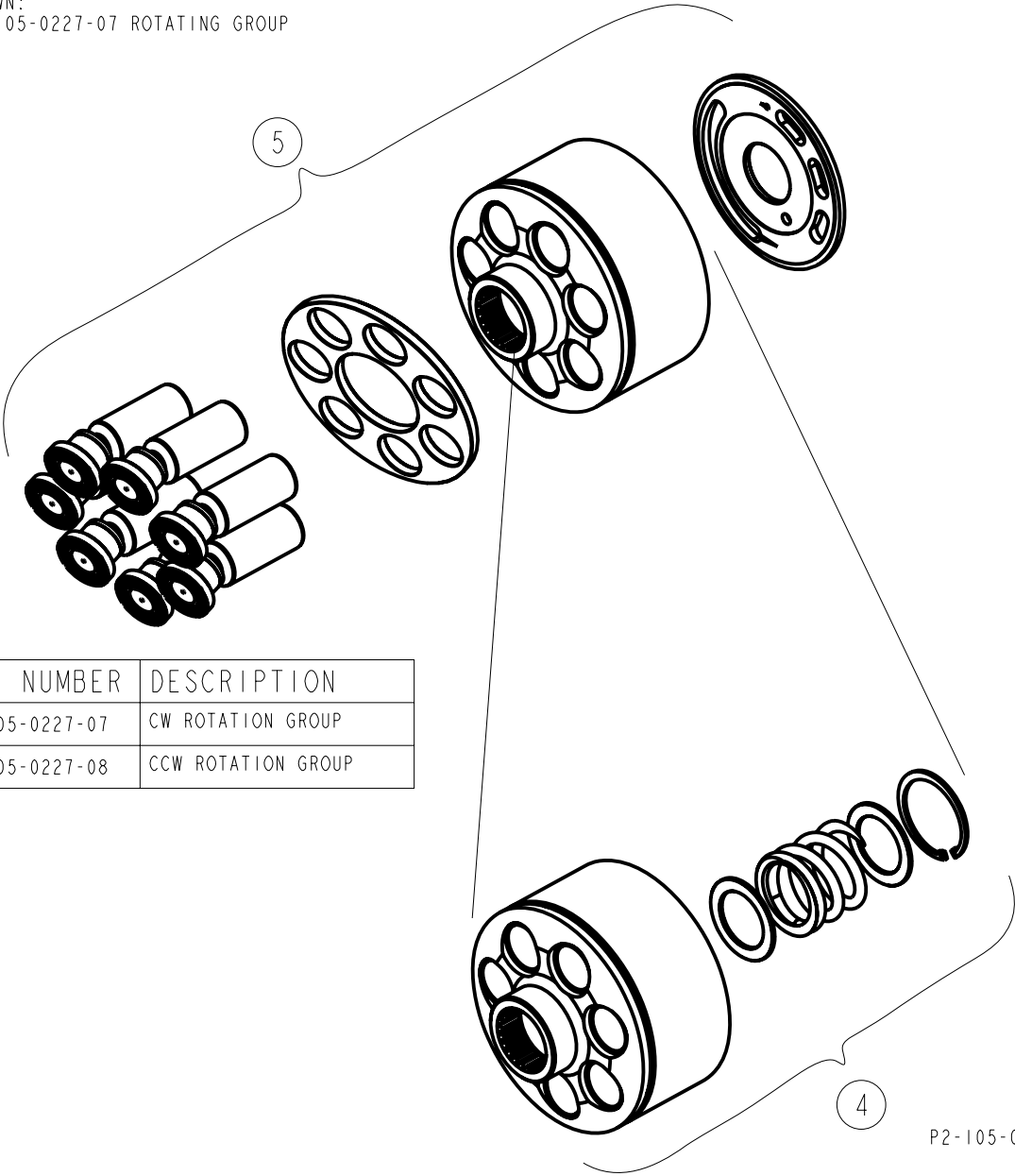
ROTATING GROUP / BARREL KIT

ITEM 5

ITEM 4

SHOWN:

P2-105-0227-07 ROTATING GROUP

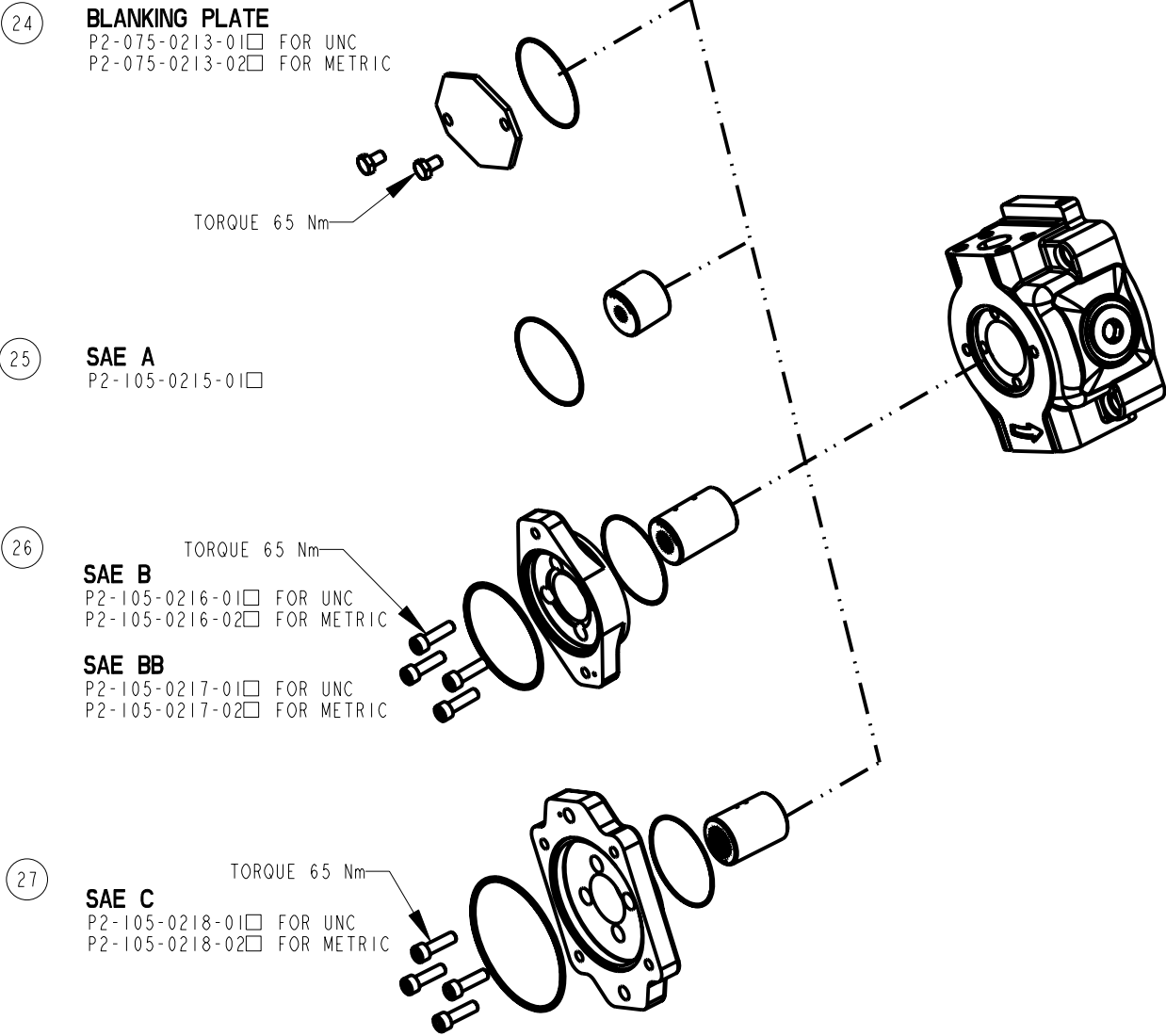


PART NUMBER	DESCRIPTION
P2-105-0227-07	CW ROTATION GROUP
P2-105-0227-08	CCW ROTATION GROUP

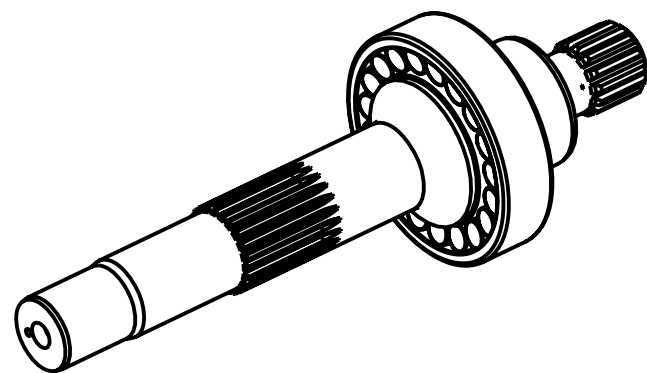


DRAWN BY	L. NAGEL	DATE	10JUL09	CHANGED BY	-	DATE	-	ECN NUMBER	710409
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THRU DRIVE KITS



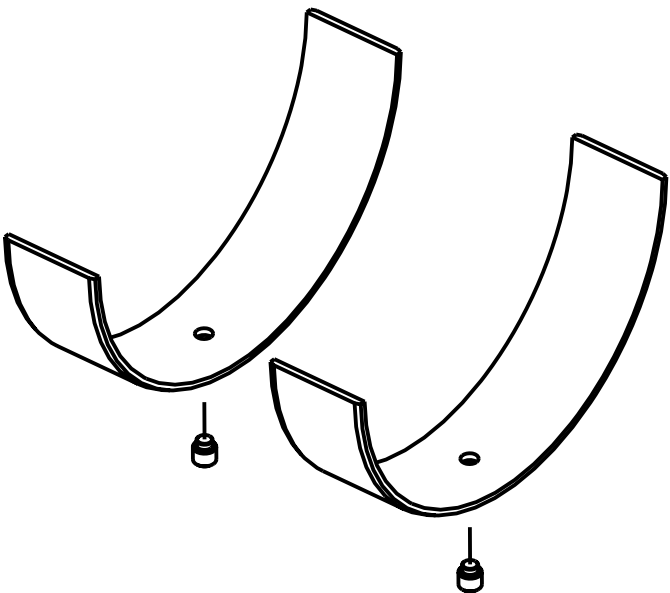
SHAFT ASSEMBLY KITS
ITEM 17



SHAFT ASSEMBLY	DESCRIPTION
P2-105-0225-36	C SPLINE THRU
P2-105-0225-05	C SPLINE NOT THRU
P2-105-0225-40	D SPLINE THRU
P2-105-0225-09	D SPLINE NOT THRU
P2-105-0225-46	C KEY THRU
P2-105-0225-15	C KEY NOT THRU
P2-105-0225-48	CC KEY THRU
P2-105-0225-17	CC KEY NOT THRU
P2-105-0225-38	CC SPLINE THRU
P2-105-0225-07	CC SPLINE NOT THRU
P2-105-0225-56	C SPLINE THRU NO UNDERCUT
P2-105-0225-25	C SPLINE NOT THRU NO UNDERCUT
P2-105-0225-60	D SPLINE THRU NO UNDERCUT

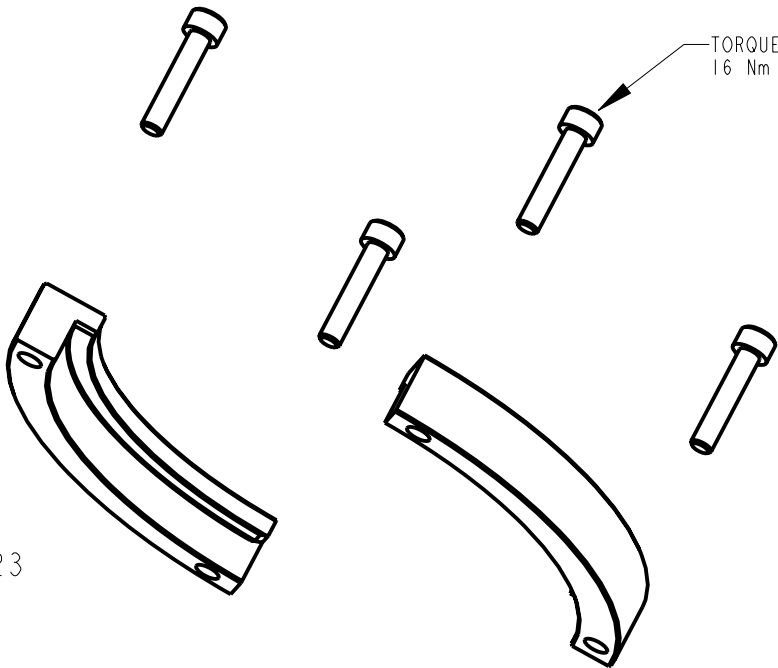


KIT SADDLE BEARING
ITEM 1



P2-105-0229-21

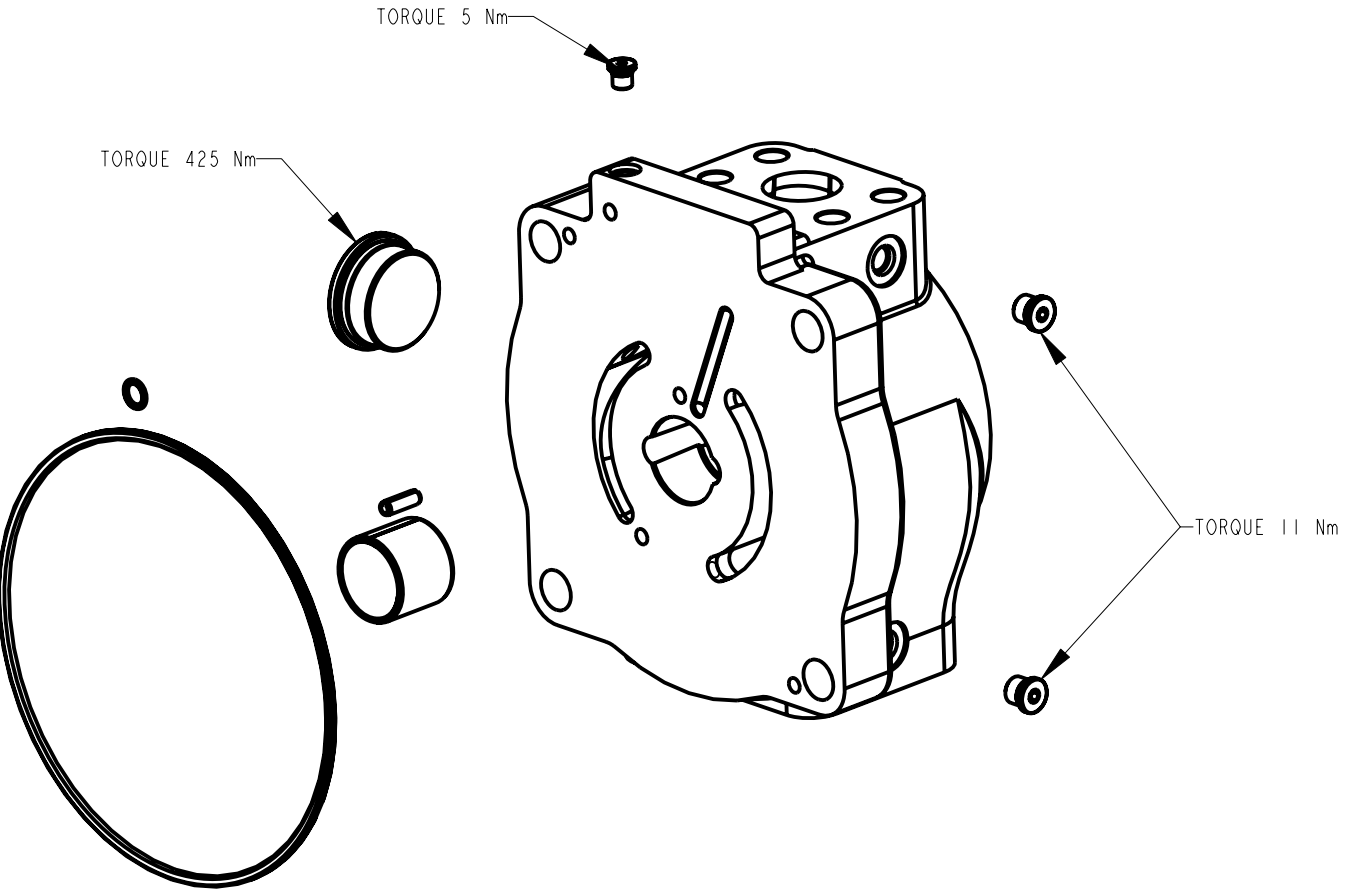
KIT FIXED CLEARANCE HOLD DOWN
ITEM 3



P2-105-0229-23



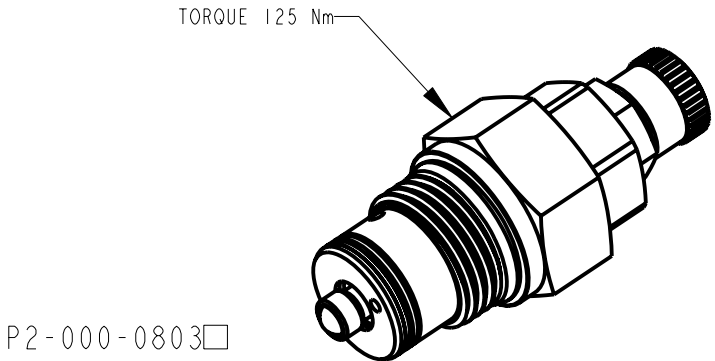
COVER ASSEMBLY KITS
ITEM 16



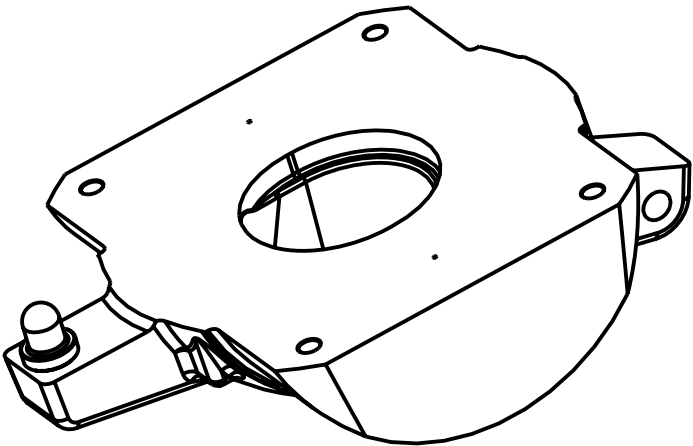
COVER ASSEMBLY	DESCRIPTION
P2-105-0226-01□	SIDE PORTS, CCW, UNC
P2-105-0226-02□	SIDE PORTS, CCW, UNC, THRU
P2-105-0226-03□	SIDE PORTS, CCW, METRIC
P2-105-0226-04□	SIDE PORTS, CCW, METRIC, THRU
P2-105-0226-05□	SIDE PORTS, CW, UNC
P2-105-0226-06□	SIDE PORTS, CW, UNC, THRU
P2-105-0226-07□	SIDE PORTS, CW, METRIC
P2-105-0226-08□	SIDE PORTS, CW, METRIC, THRU



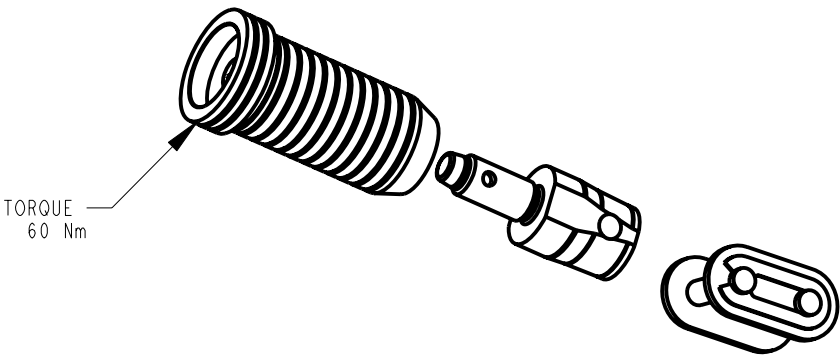
TORQUE CONTROL CARTRIDGE
ITEM 19



KIT SWASH PLATE
ITEM 7

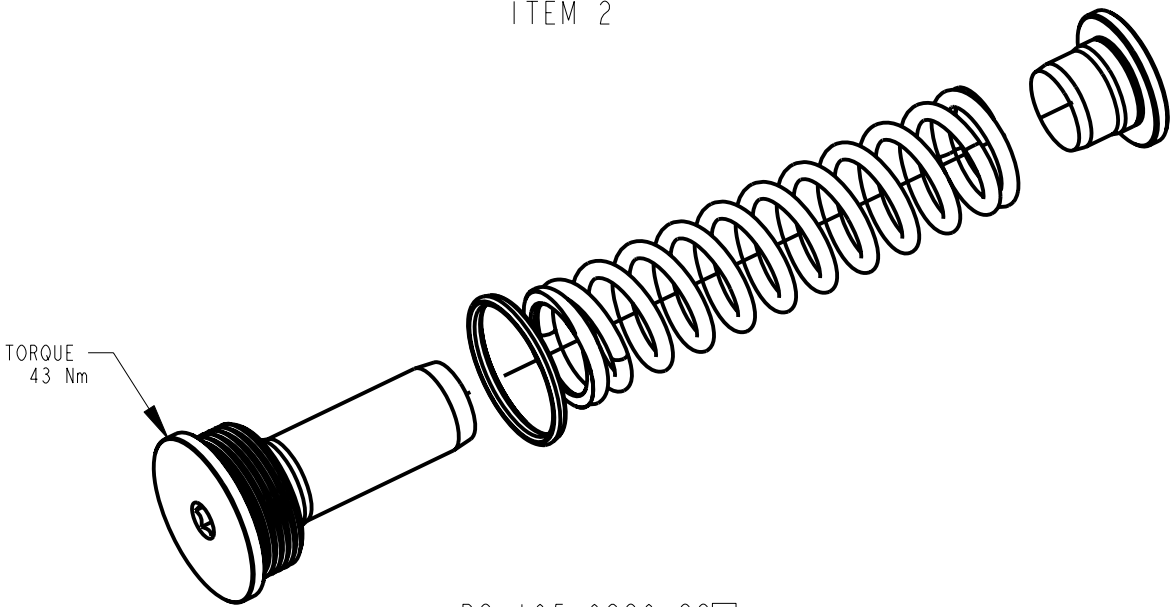


KIT SERVO PISTON
ITEM 23



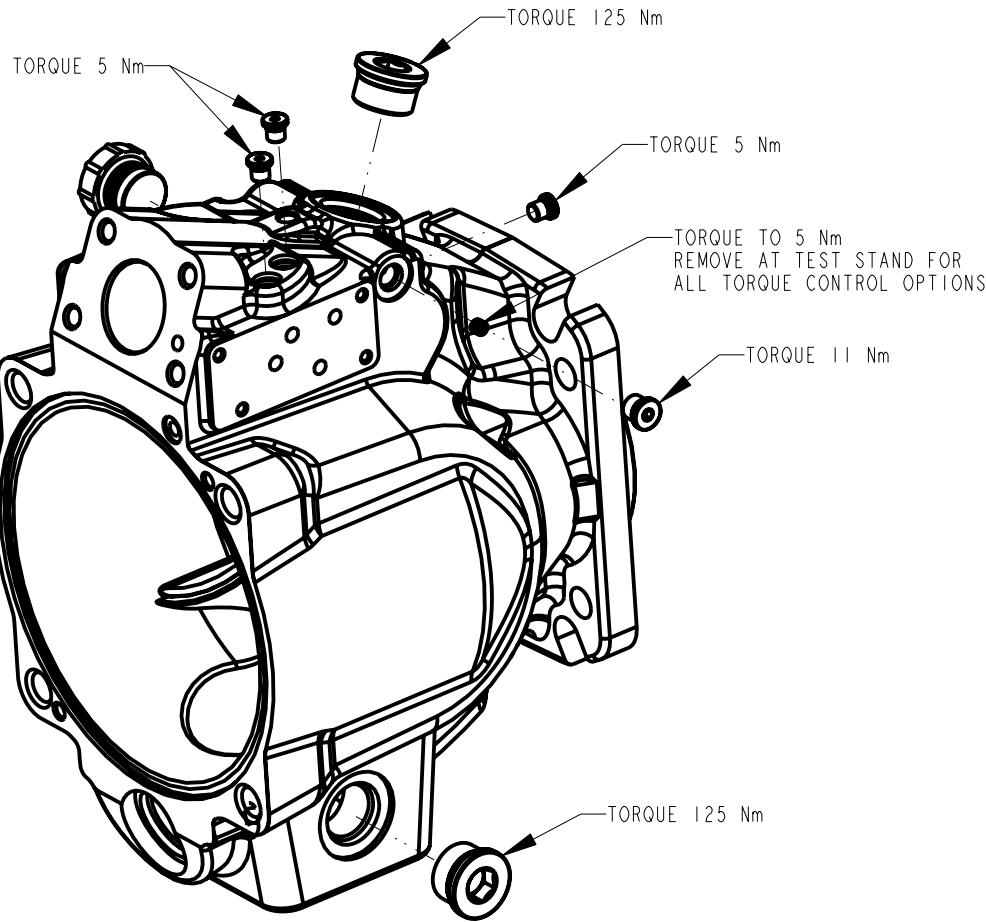
PART NUMBER	DESCRIPTION	
P2-105-0229-19	KIT SERVO PISTON 40%	USED EXEPT WITH TC & TD OPTION
P2-105-0229-20	KIT SERVO PISTON 70%	USED WITH TC & TD OPTION

KIT SERVO SPRING
ITEM 2



P2-105-0229-22□

KIT HOUSING
ITEM 18



PART NUMBER	DESCRIPTION
P2-105-0221-40□	MACHINING C-PILOT 1 SEAL METRIC HOUSING
P2-105-0221-41□	MACHINING C-PILOT 2 SEAL METRIC HOUSING
P2-105-0221-44□	MACHINING C-PILOT 1 SEAL UNC HOUSING
P2-105-0221-45□	MACHINING C-PILOT 2 SEAL UNC HOUSING

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ASSEMBLY, DIS-ASSEMBLY AND REPAIR NOTES

- DISASSEMBLY STEPS FOR ENTIRE PUMP
- 1. REMOVE COVER SCREWS AND COVER
 - 2. DE-STROKE PUMP TO MINIMUM ANGLE WITH MAX VOLUME SCREW
 - 3. REMOVE FIXED CLEARANCE HOLD DOWN SCREWS AND HOLD DOWN PARTS
 - 4. REMOVE ROTATING GROUP (BARREL, SLIPPER RETAINER AND PISTONS)
 - 5. REMOVE SHAFT SEAL CARRIER
 - 6. REMOVE SHAFT
 - 7. REMOVE BIAS SPRING PLUG, SPRING AND RETAINER
 - 8. REMOVE MAX. VOLUME ASSY
 - 9. REMOVE SERVO PISTON
 - 10. REMOVE SWASHPLATE ASSEMBLY

- SHAFT SEAL REPLACEMENT
- 1. REMOVE SEAL CARRIER ONLY
 - 2. REMOVE OLD SEAL
 - 3. INSPECT SHAFT
 - 4. IF SHAFT IS WORN INSTALL NEW SEAL
IN INNER LOCATION FOR SINGLE SEAL
APPLICATIONS (SEE SHEET 1).
REPLACE SHAFT FOR DUAL SEAL APPLICATIONS



DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
L. NAGEL	10JUL09	-	-	710409

NOTES:



