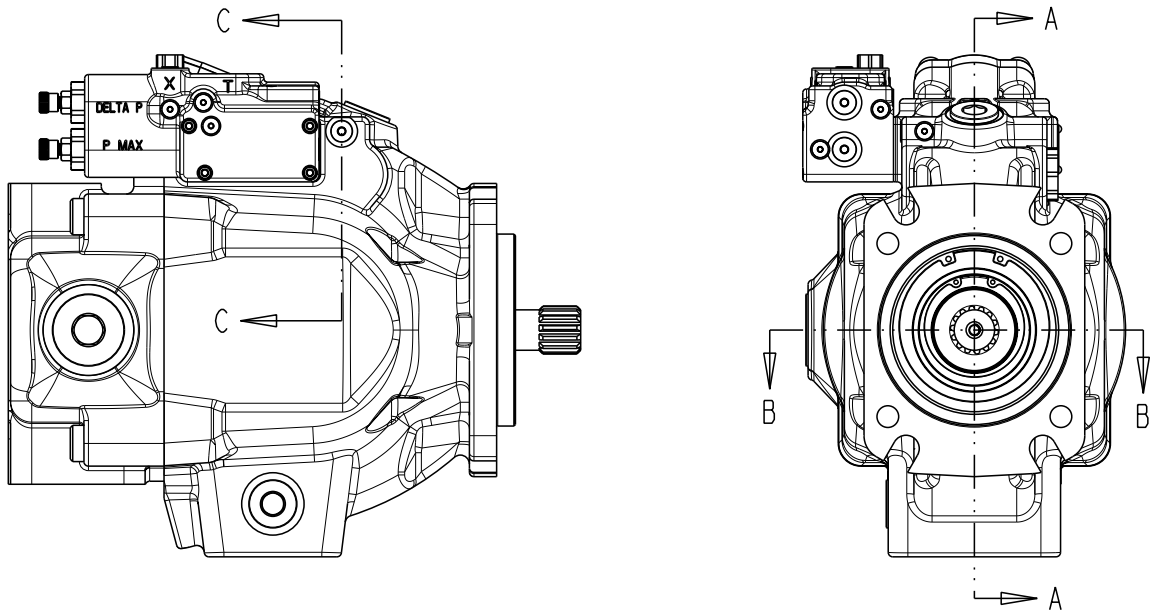
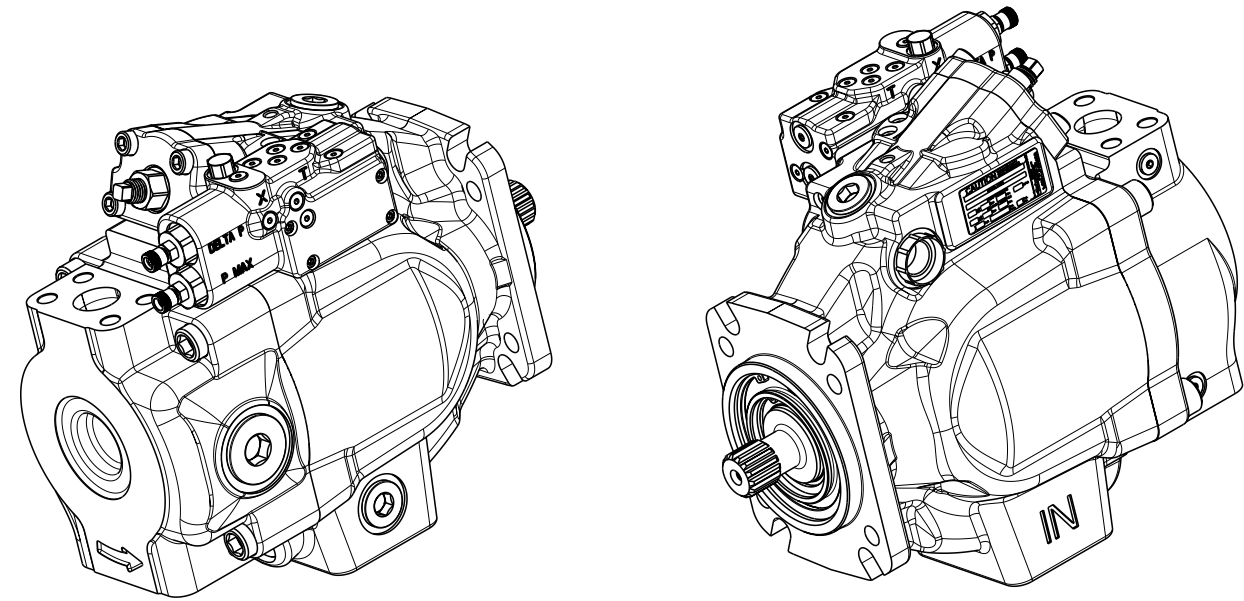
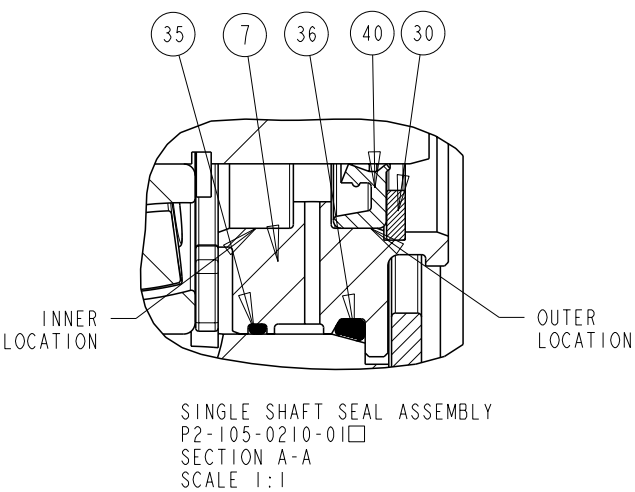
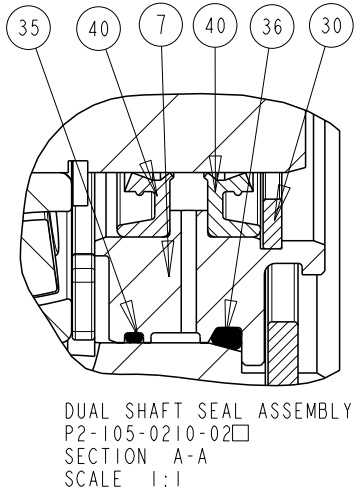
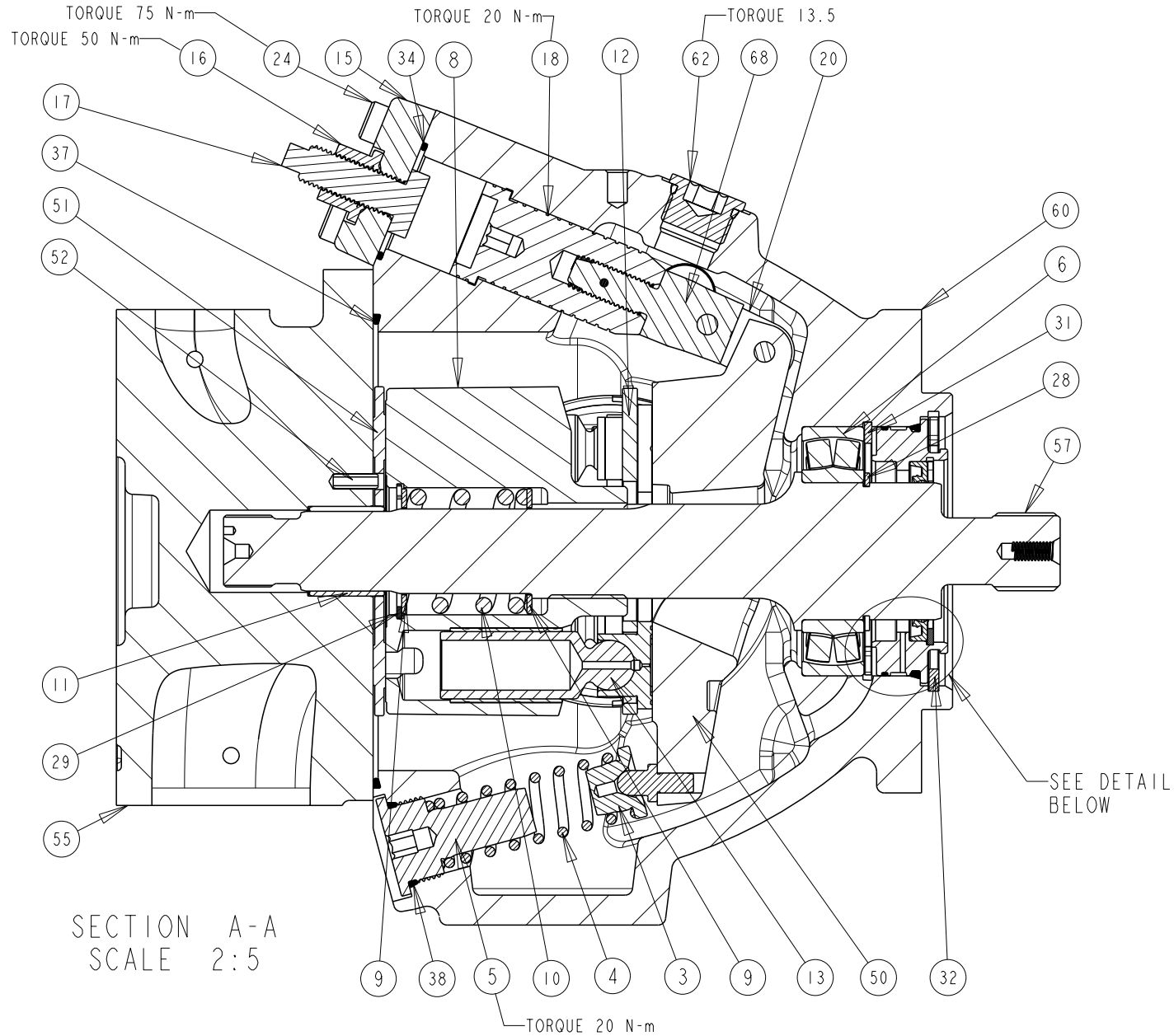


TITLE	DRAWING NUMBER	REVISION	STATUS	SHEET
SERVICE PARTS P2105 DESIGN SERIES 12	P2-105-0405	A	PR	1 OF 7

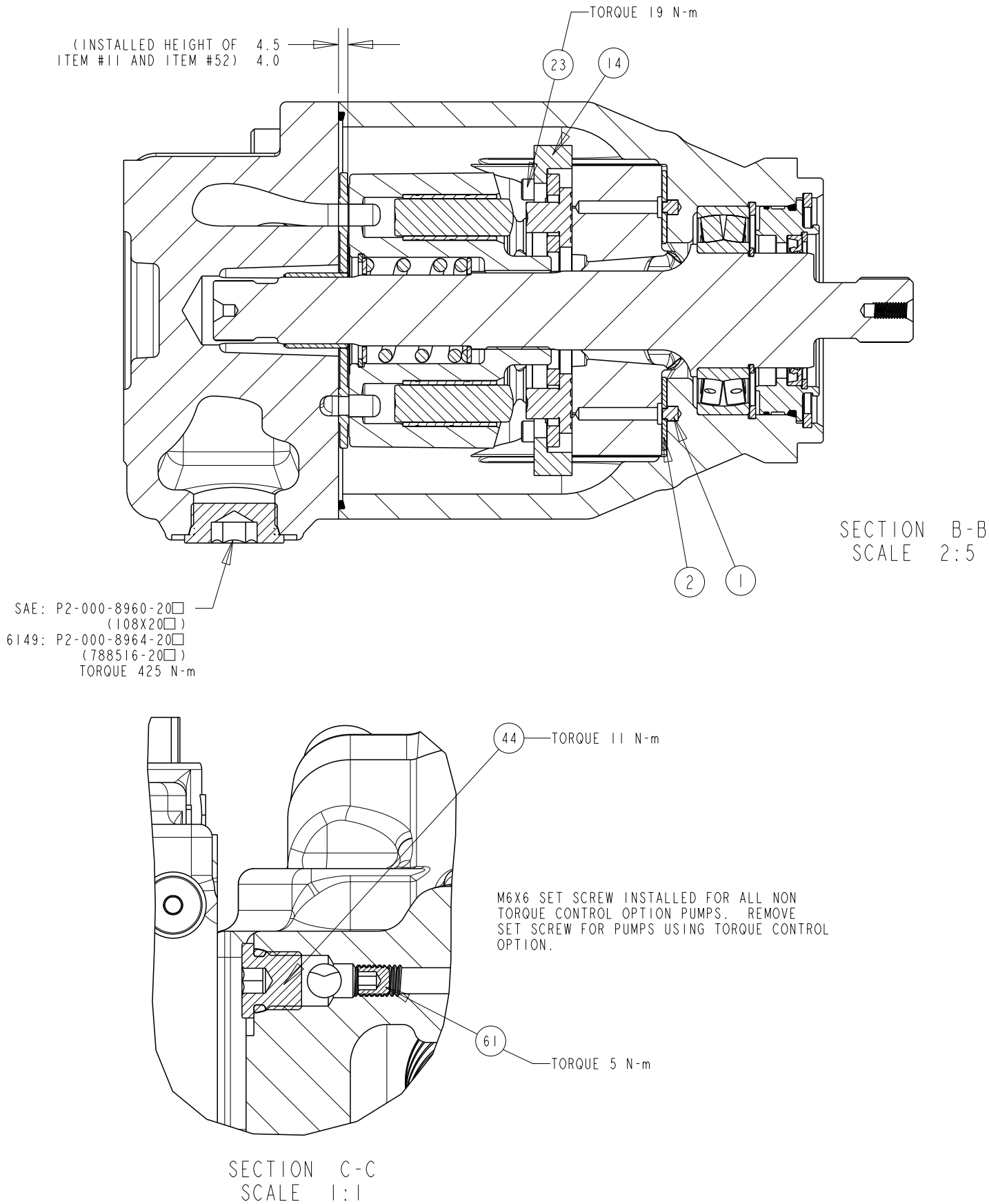
DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
J. HOEY	22NOV04	J. LAMBERS	29MAY30	134595



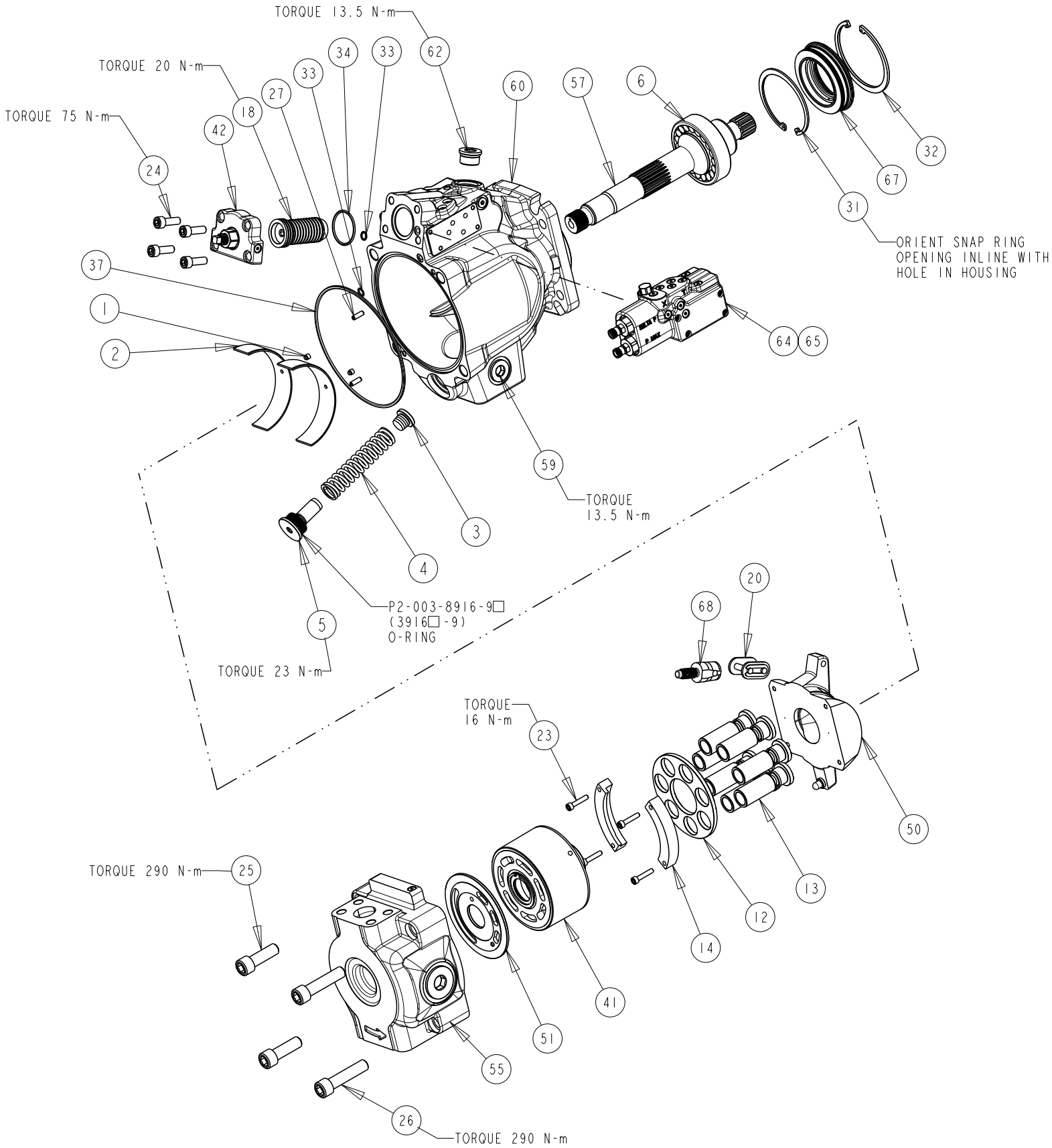
NOTES:
1 PUMP SHOWN IS A RIGHT HAND (CW) ROTATION PUMP. LEFT HAND (CCW) ROTATION PUMPS
HAVE OUTLET GAUGE PORT REVERSED.



TITLE	DRAWING NUMBER	REVISION	STATUS	SHEET 2 OF 7
SERVICE PARTS P2105 DESIGN SERIES 12	P2-105-0405	A	PR	

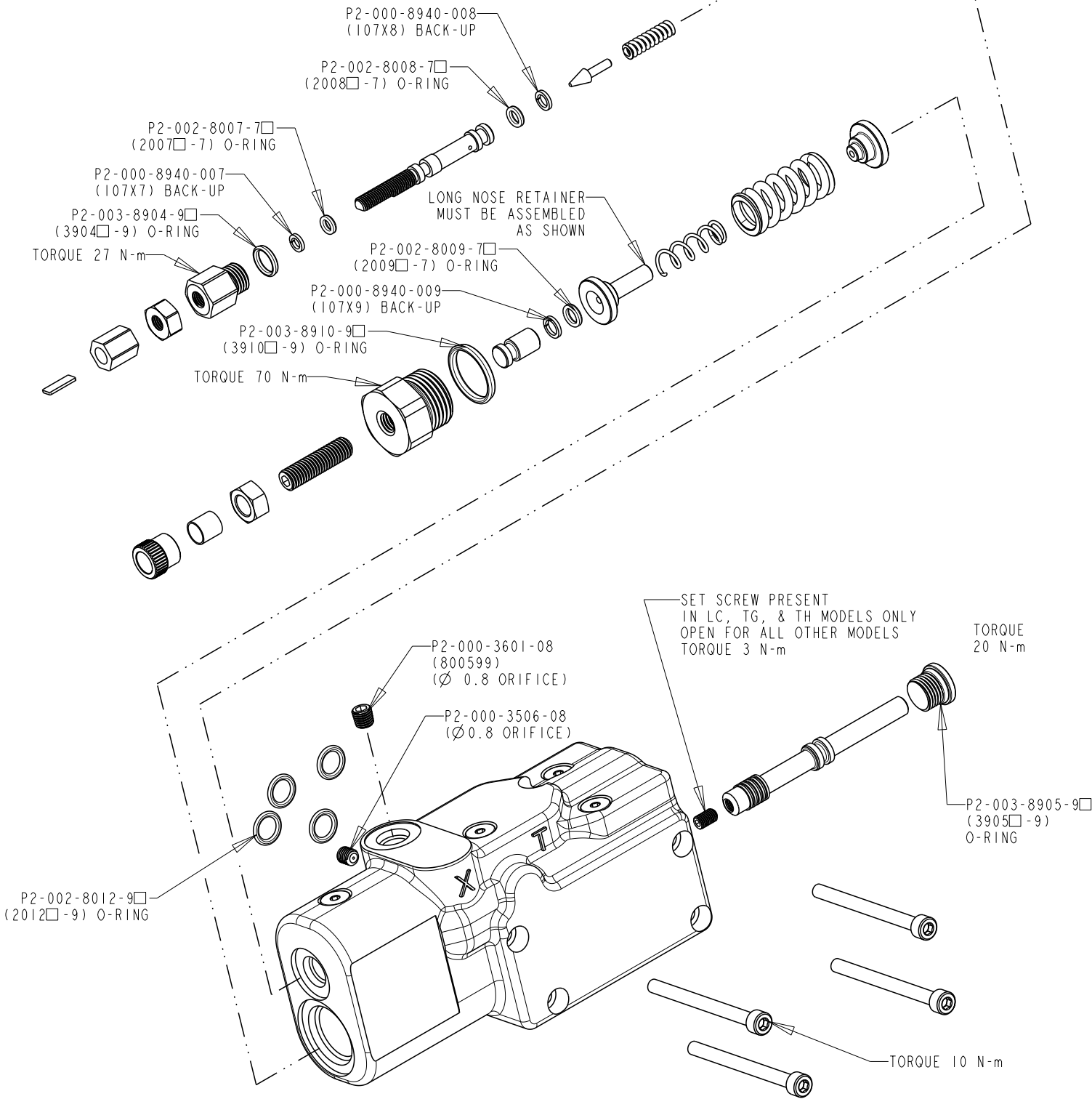


DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
J. HOEY	22NOV04	J. LAMBERS	30MAY06	134595



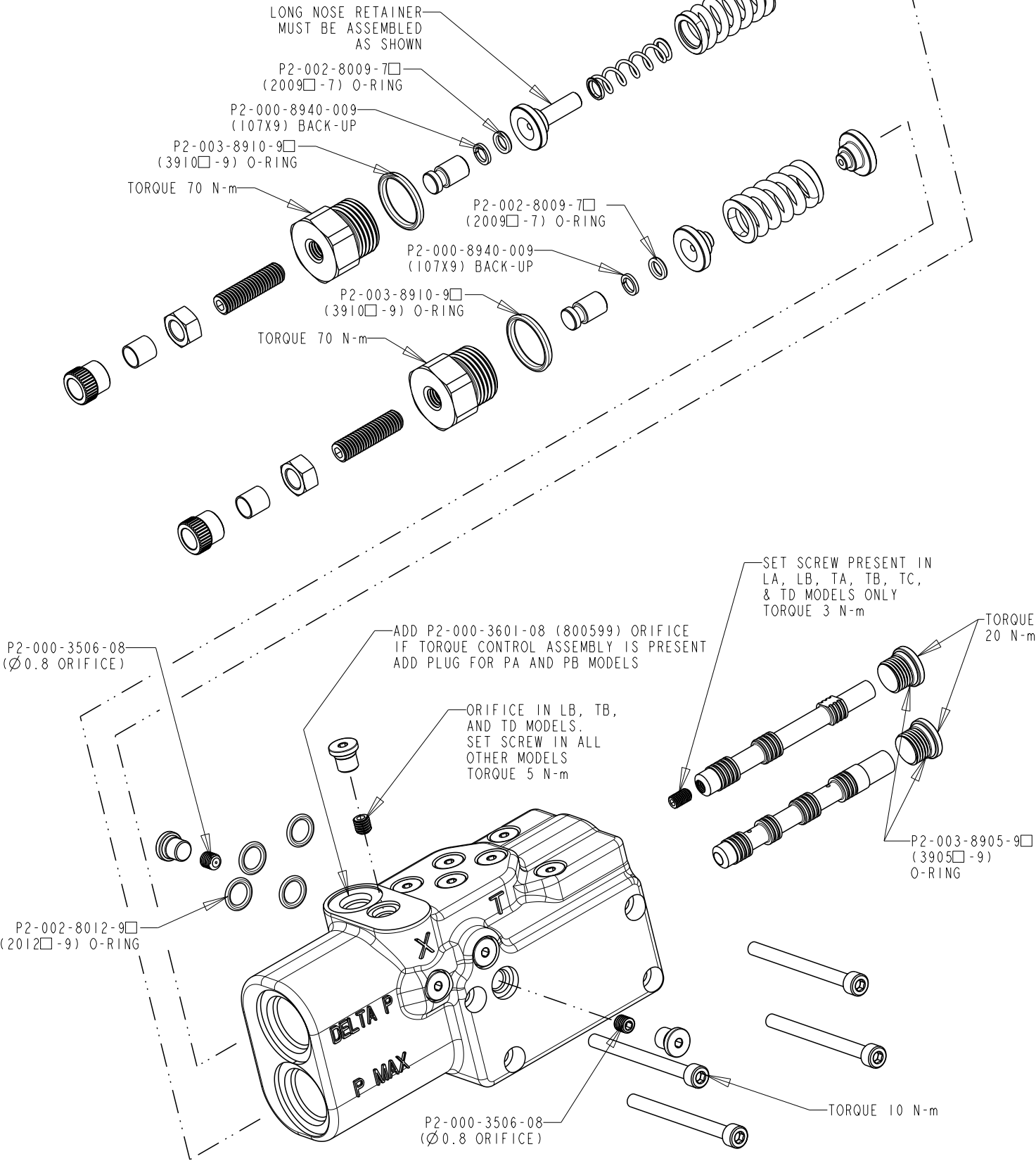
TITLE	DRAWING NUMBER	REVISION	STATUS	SHEET
SERVICE PARTS P2105 DESIGN SERIES 12	P2-105-0405	A	PR	3 OF 7

COMPENSATOR KITS SINGLE SPOOL OPTIONS - ITEM 64



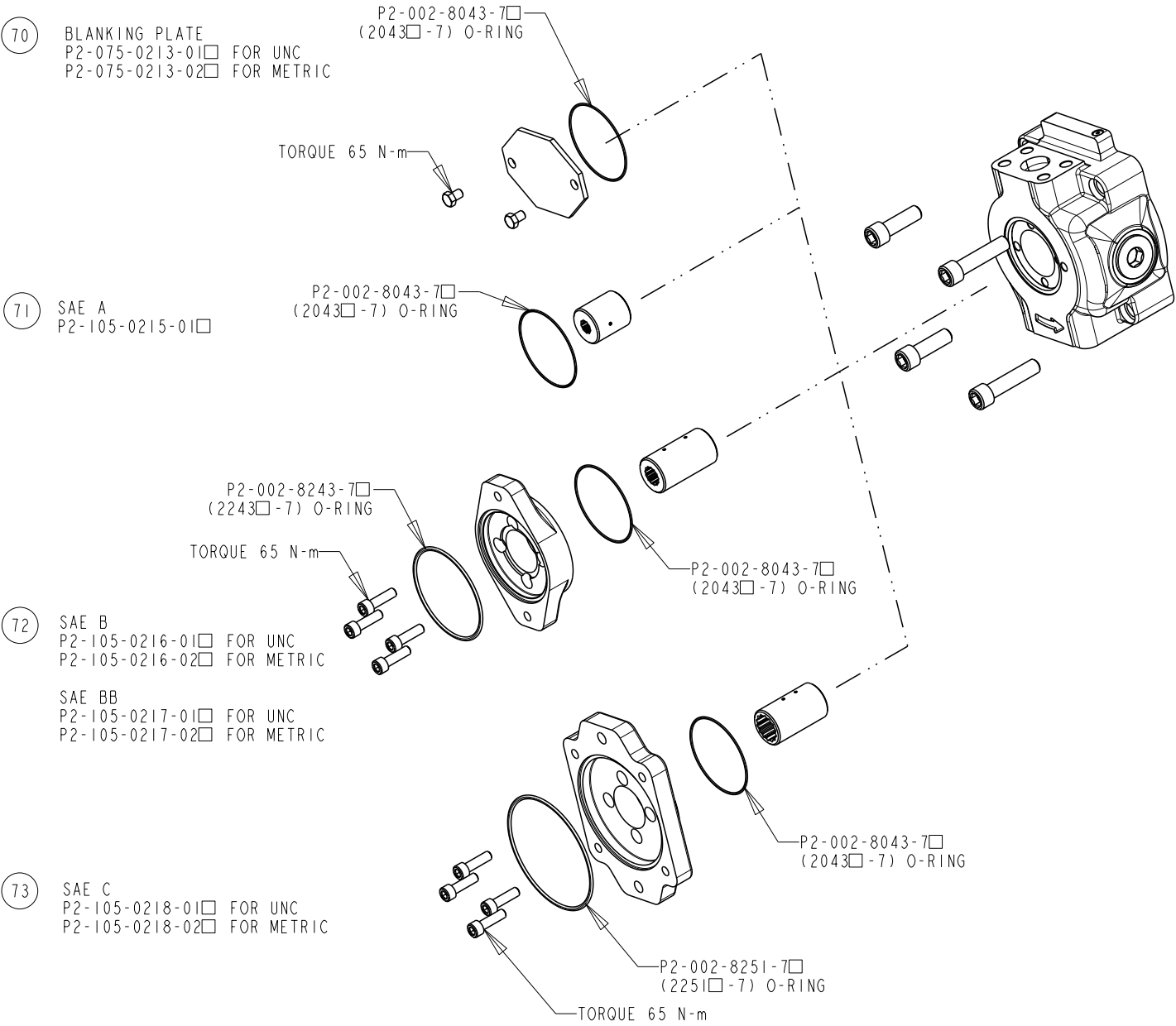
DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
J. HOEY	22NOV04	J. LAMBERS	30MAY06	134595

COMPENSATOR KITS DUAL SPOOL OPTIONS - ITEM 65



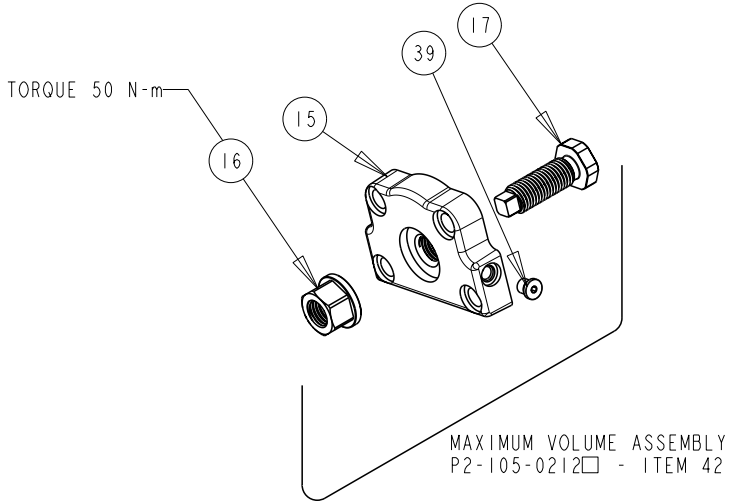
TITLE	SERVICE PARTS P2105 DESIGN SERIES 12	DRAWING NUMBER	P2-105-0405	REVISION	A	STATUS	PR	SHEET 4 OF 7
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THRU DRIVE KITS

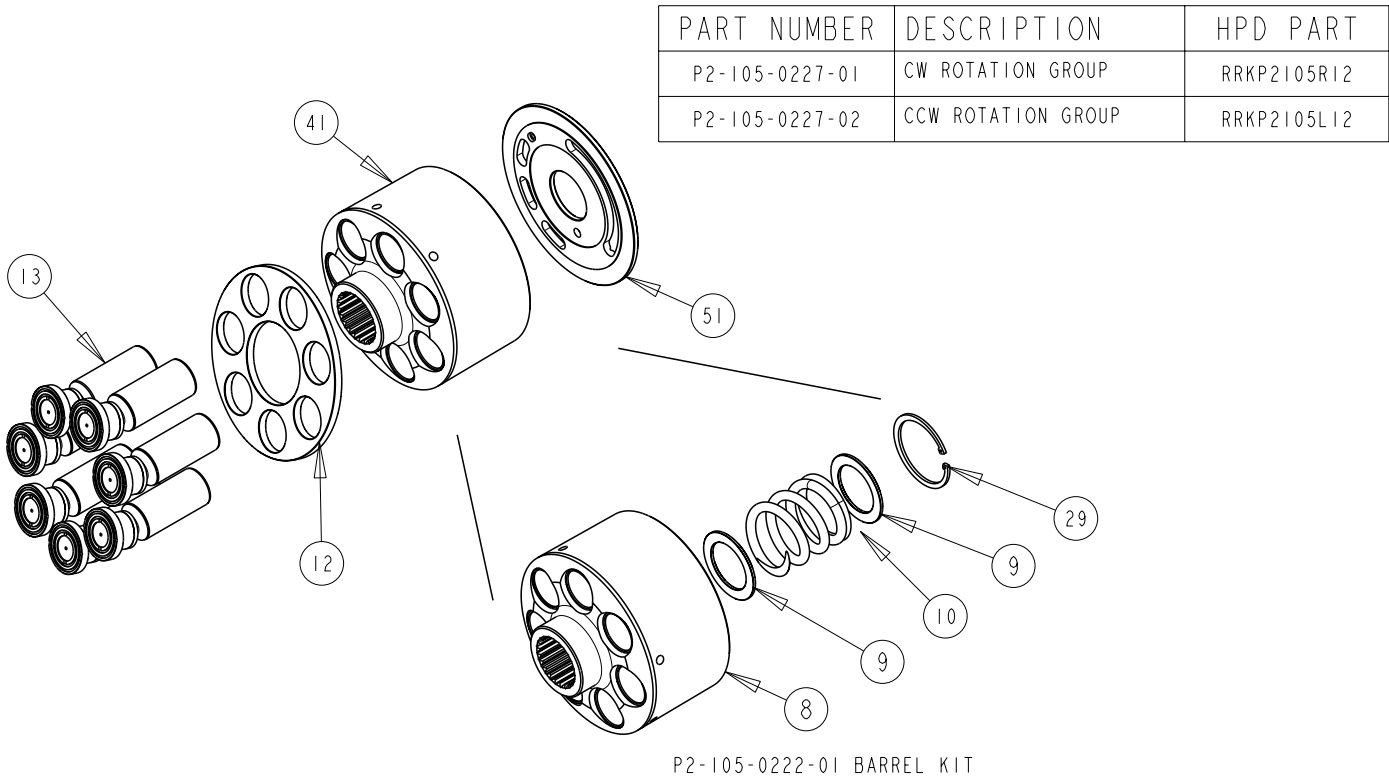


DRAWN BY	J. HOEY	DATE	22NOV04	CHANGED BY	J. LAMBERS	DATE	30MAY06	ECN NUMBER	134595
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MAX VOLUME ASSEMBLY

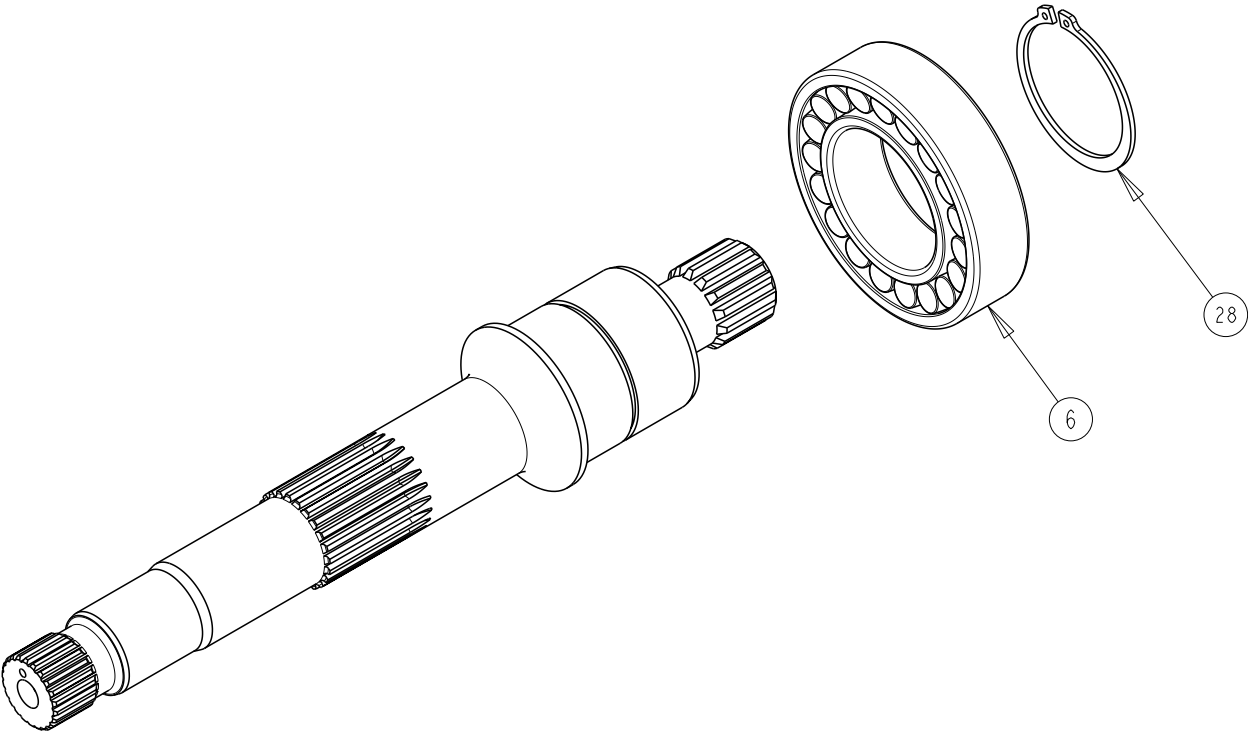


BARREL KIT AND ROTATION GROUP KIT



TITLE	DRAWING NUMBER	REVISION	STATUS	
SERVICE PARTS P2105 DESIGN SERIES 12	P2-105-0405	A	PR	SHEET 5 OF 7

SHAFT ASSEMBLY KITS
ITEM 57

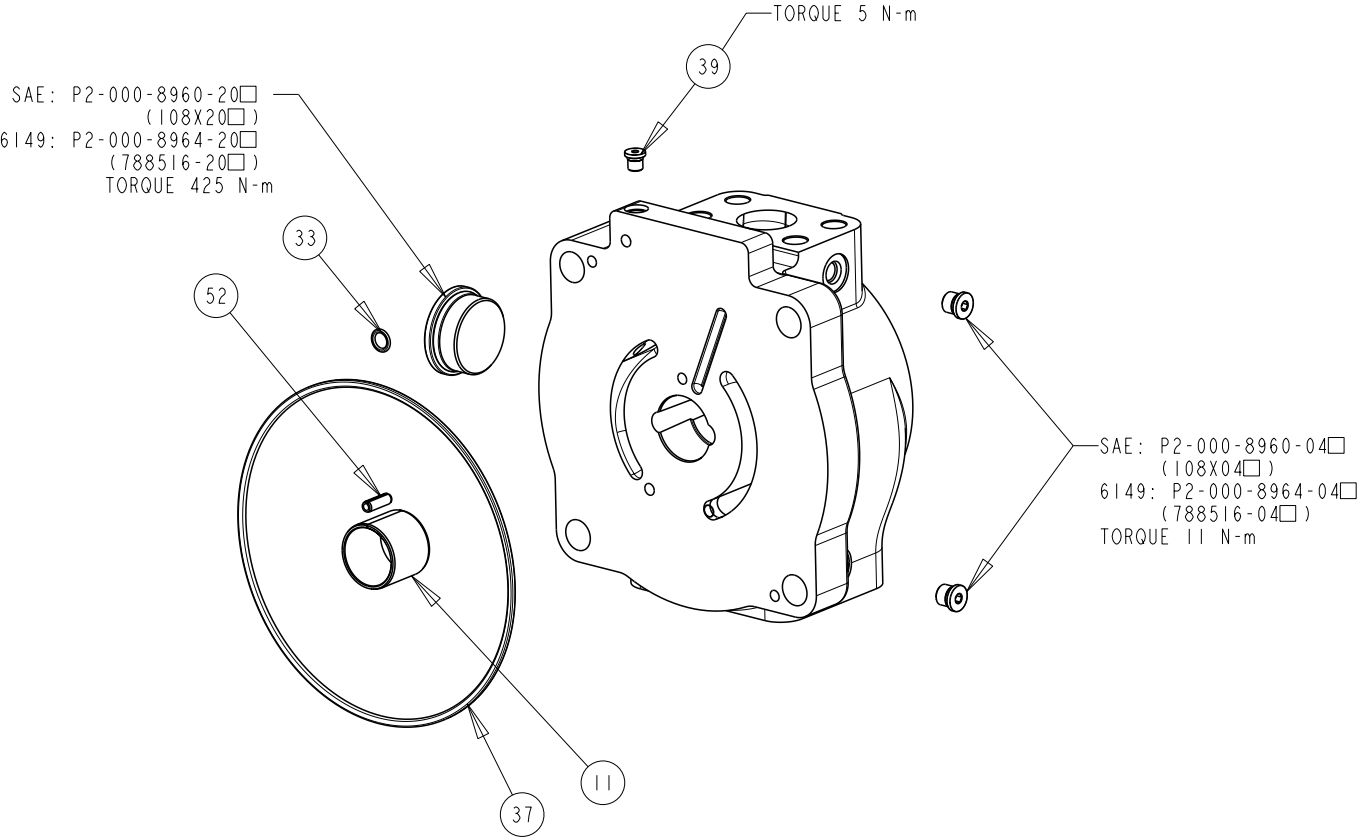


SHAFT ONLY	SHAFT ASSEMBLY	DESCRIPTION
P2-105-3525	P2-105-0225-36	C SPLINE THRU
P2-105-3527	P2-105-0225-38	CC SPLINE THRU
P2-105-3519	P2-105-0225-40	D SPLINE THRU
P2-105-3533	P2-105-0225-46	C KEY THRU
P2-105-3535	P2-105-0225-48	CC KEY THRU
P2-105-3520	P2-105-0225-56	C SPLINE THRU NO UNDERCUT
P2-105-3546	P2-105-0225-60	D SPLINE THRU NO UNDERCUT



DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
J. HOEY	22NOV04	J. LAMBERS	30MAY06	134595

COVER ASSEMBLY KITS
ITEM 55

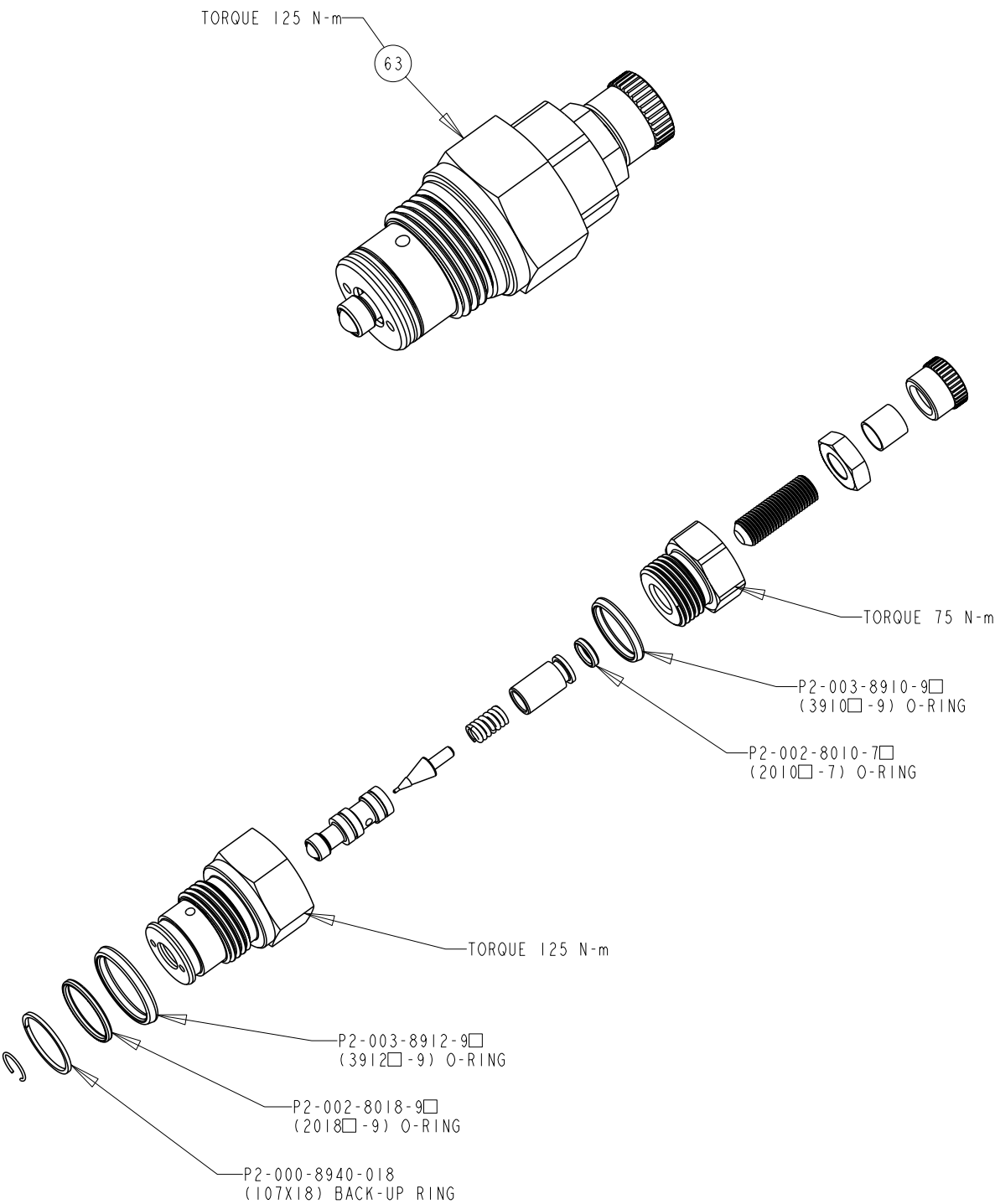


COVER ONLY	COVER ASSEMBLY	DESCRIPTION
P2-105-1013-01	P2-105-0226-01□	SIDE PORTS, CCW, UNC
P2-105-1013-02	P2-105-0226-02□	SIDE PORTS, CCW, UNC, THRU
P2-105-1013-03	P2-105-0226-03□	SIDE PORTS, CCW, METRIC
P2-105-1013-04	P2-105-0226-04□	SIDE PORTS, CCW, METRIC, THRU
P2-105-1014-01	P2-105-0226-05□	SIDE PORTS, CW, UNC
P2-105-1014-02	P2-105-0226-06□	SIDE PORTS, CW, UNC, THRU
P2-105-1014-03	P2-105-0226-07□	SIDE PORTS, CW, METRIC
P2-105-1014-04	P2-105-0226-08□	SIDE PORTS, CW, METRIC THRU



TITLE	DRAWING NUMBER	REVISION	STATUS	
SERVICE PARTS P2105 DESIGN SERIES 12	P2-105-0405	A	PR	SHEET 6 OF 7

TORQUE CONTROL CARTRIDGE P2-000-0803 □ - ITEM 63



DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
J. HOEY	22NOV04	J. LAMBERS	30MAY06	134595

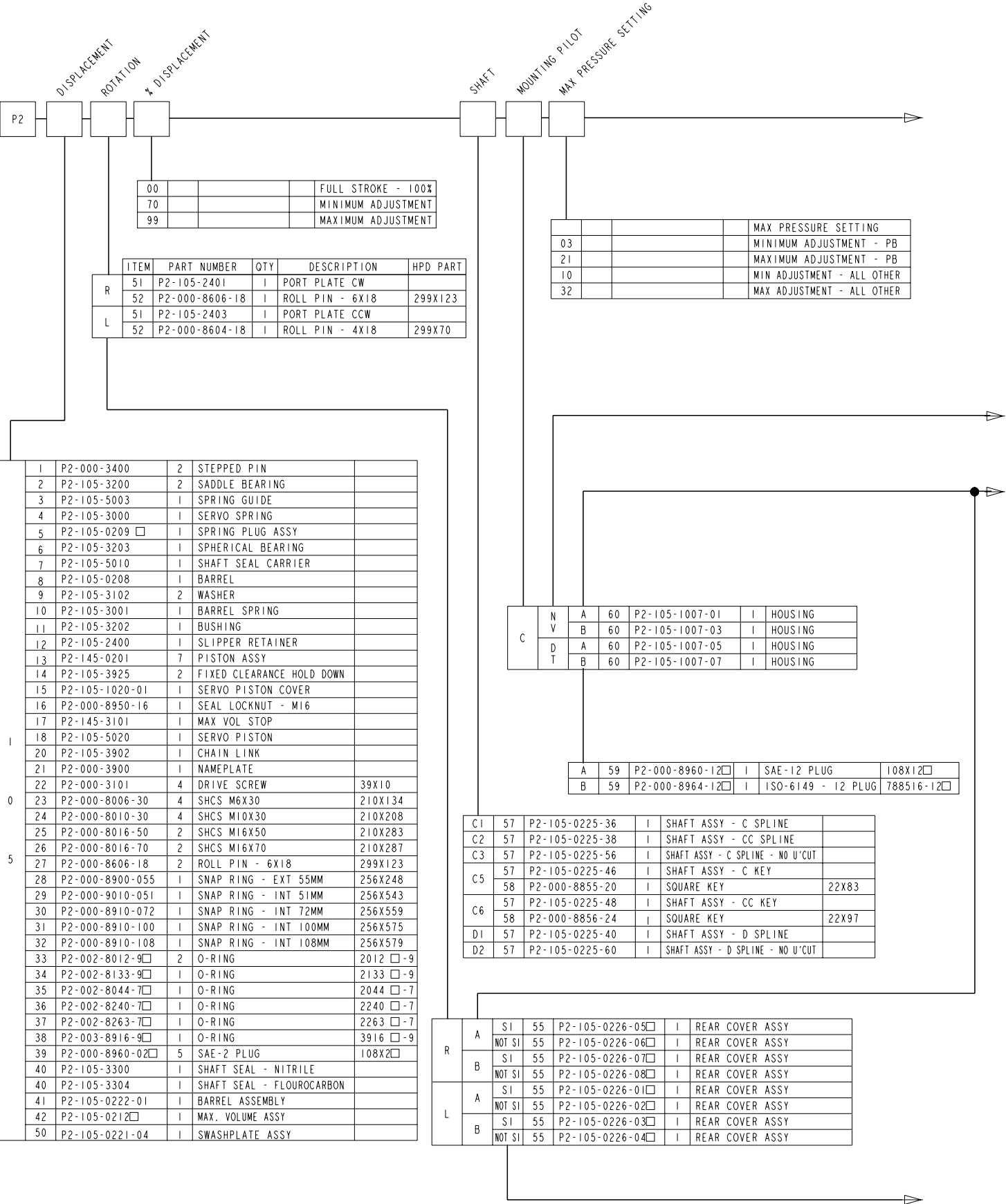
ASSEMBLY, DIS-ASSEMBLY AND REPAIR NOTES

- 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



TITLE	DRAWING NUMBER	REVISION	STATUS	
SERVICE PARTS P2105 DESIGN SERIES 12	P2-105-0405	A	PR	SHEET 7 OF 7



DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
J. HOEY	22NOV04	J. LAMBERS	30MAY06	134595

