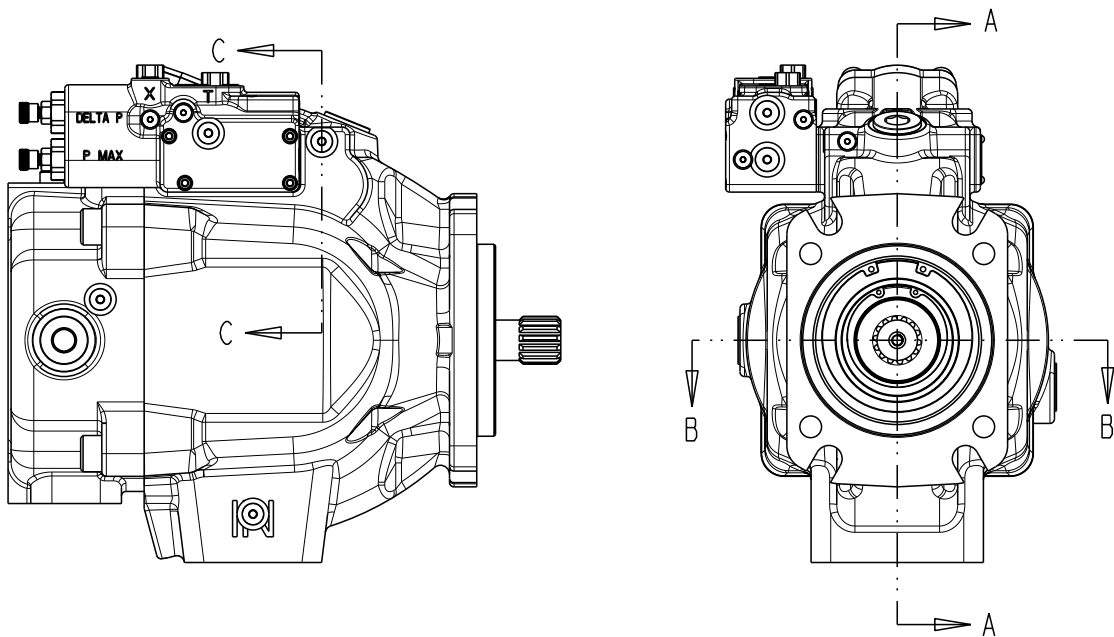
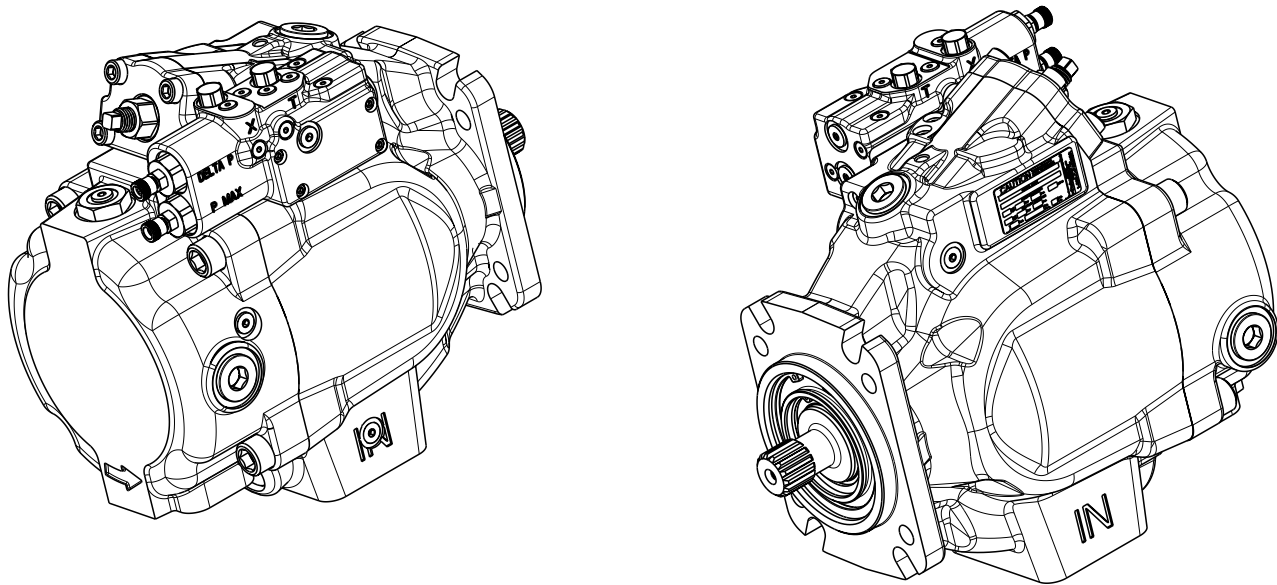
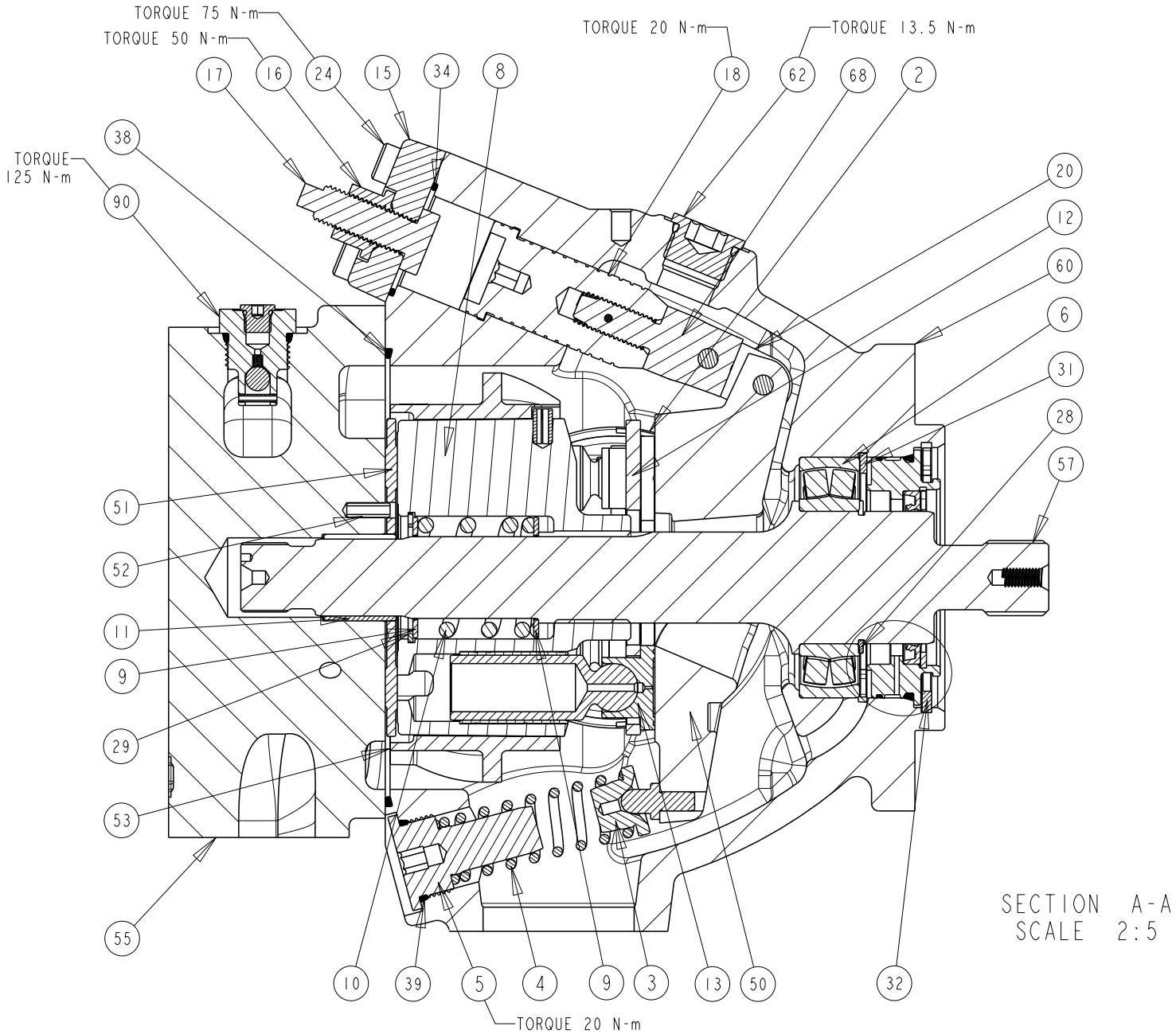


TITLE	DRAWING NUMBER	REVISION	STATUS	SHEET
SERVICE PARTS P3105 DESIGN SERIES 12	P2-105-0406	B	PR	1 OF 7

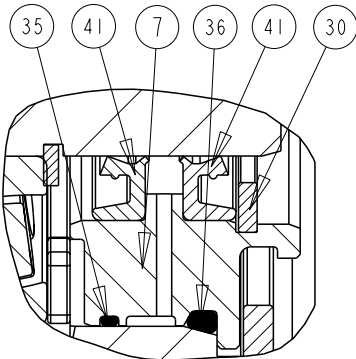
DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
J. HOEY	22NOV04	J. LAMBERS	30MAY06	134595



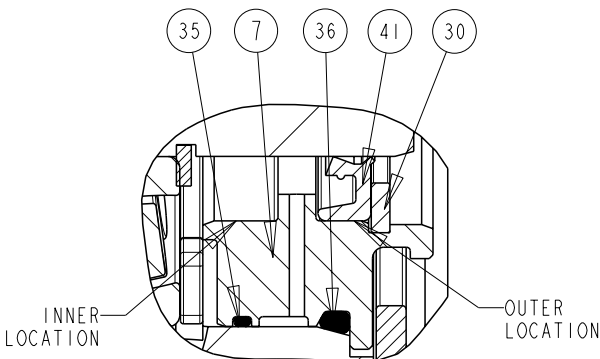
NOTES:
1 PUMP SHOWN IS A RIGHT HAND (CW) ROTATION PUMP. LEFT HAND (CCW) ROTATION PUMPS
HAVE OUTLET GAUGE PORT REVERSED.



SECTION A-A
SCALE 2:5

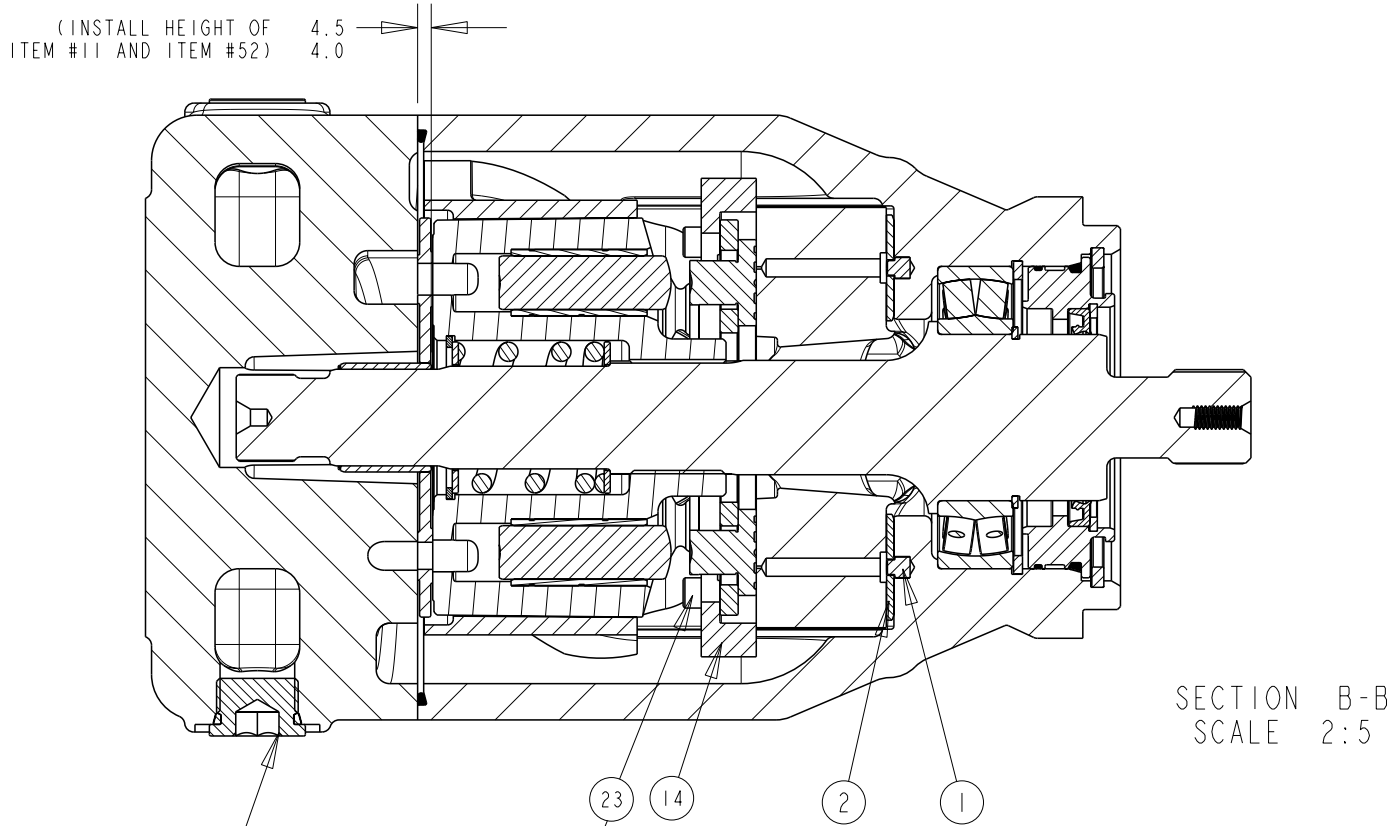


DUAL SHAFT SEAL ASSEMBLY
P2-105-0210-02□
SECTION A-A
SCALE 1:1

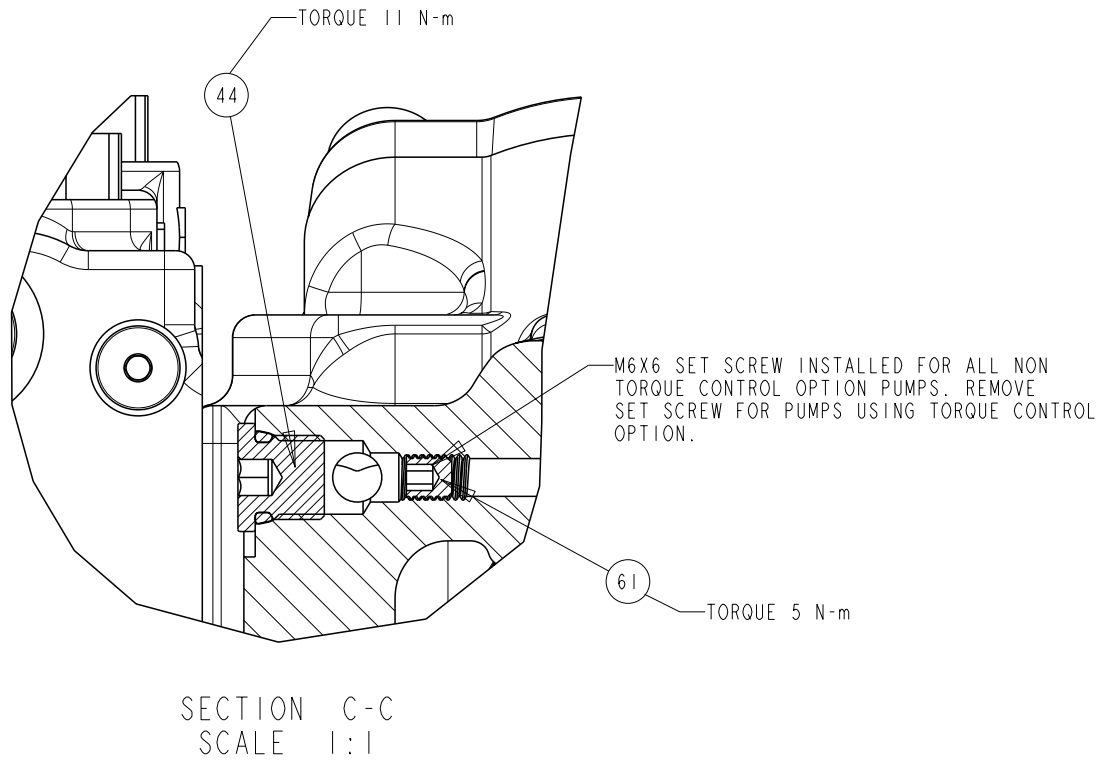


SINGLE SHAFT SEAL ASSEMBLY
P2-105-0210-01□
SECTION A-A
SCALE 1:1

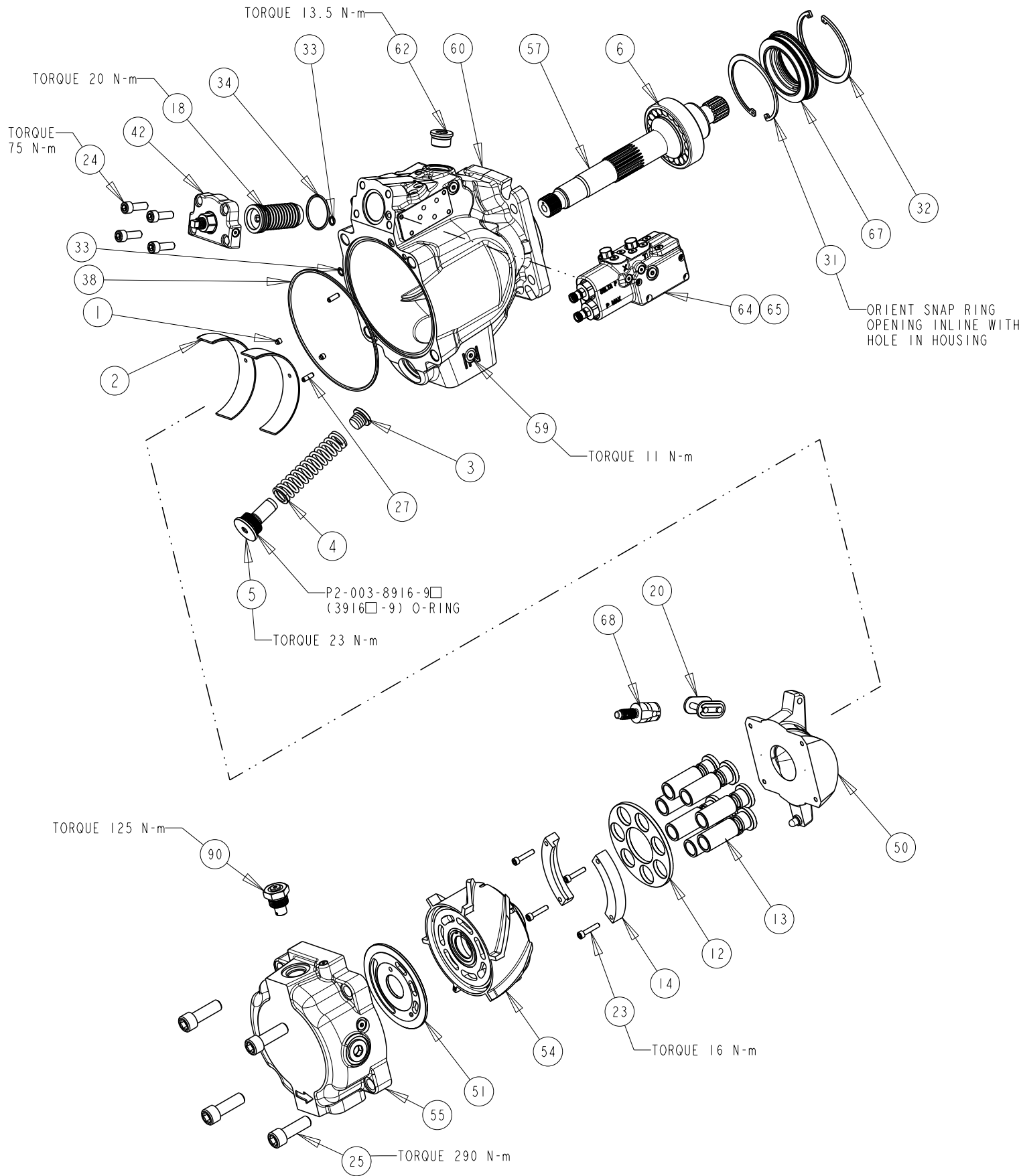
TITLE	DRAWING NUMBER	REVISION	STATUS	SHEET 2 OF 7
SERVICE PARTS P3105 DESIGN SERIES 12	P2-105-0406	B	PR	



SAE: P2-000-8960-12□
(108X12□)
6149: P2-000-8964-12□
(788516-12□)
TORQUE 125 N-m



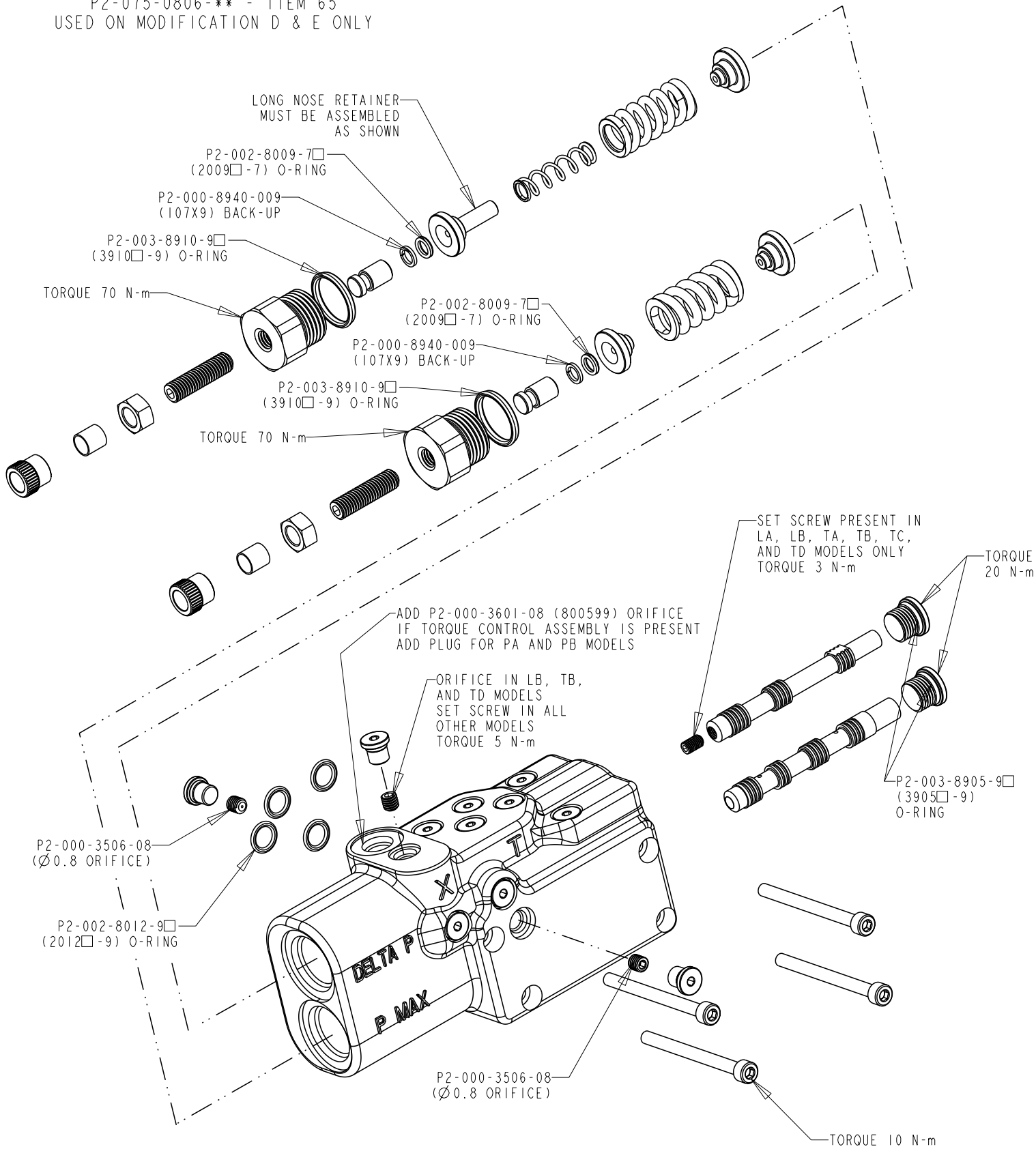
DRAWN BY	DATE	CHANGED BY	DATE	ECN NUMBER
J. HOEY	22NOV04	J. LAMBERS	30MAY06	134595



TITLE	DRAWING NUMBER	REVISION	STATUS	SHEET
SERVICE PARTS P3105 DESIGN SERIES 12	P2-105-0406	B	PR	3 OF 7

COMPENSATOR KITS

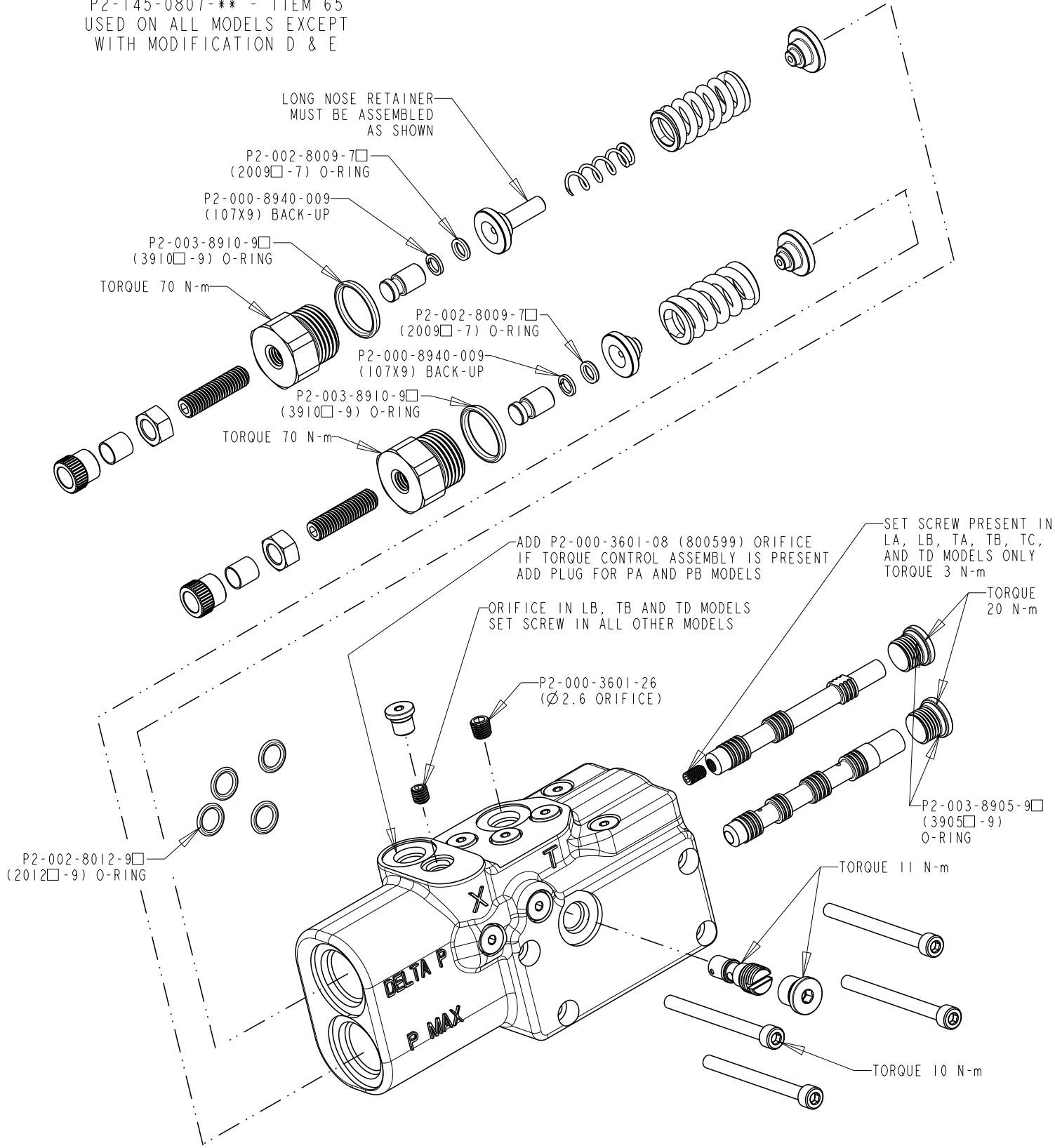
P2-075-0806-**- ITEM 65
USED ON MODIFICATION D & E ONLY



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

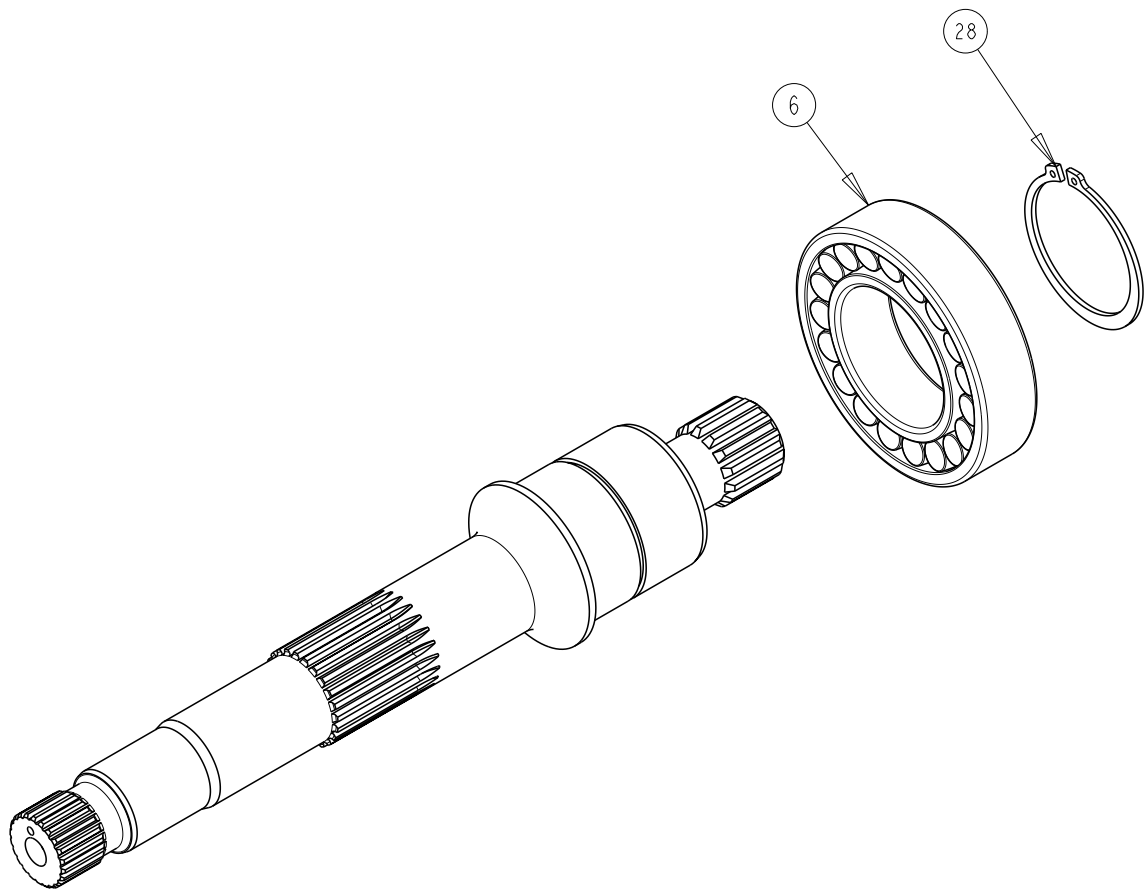
COMPENSATOR KITS

P2-145-0807-**- ITEM 65
USED ON ALL MODELS EXCEPT
WITH MODIFICATION D & E



TITLE	DRAWING NUMBER	REVISION	STATUS	
SERVICE PARTS P3105 DESIGN SERIES 12	P2-105-0406	B	PR	SHEET 5 OF 7

SHAFT ASSEMBLY KITS
ITEM 57

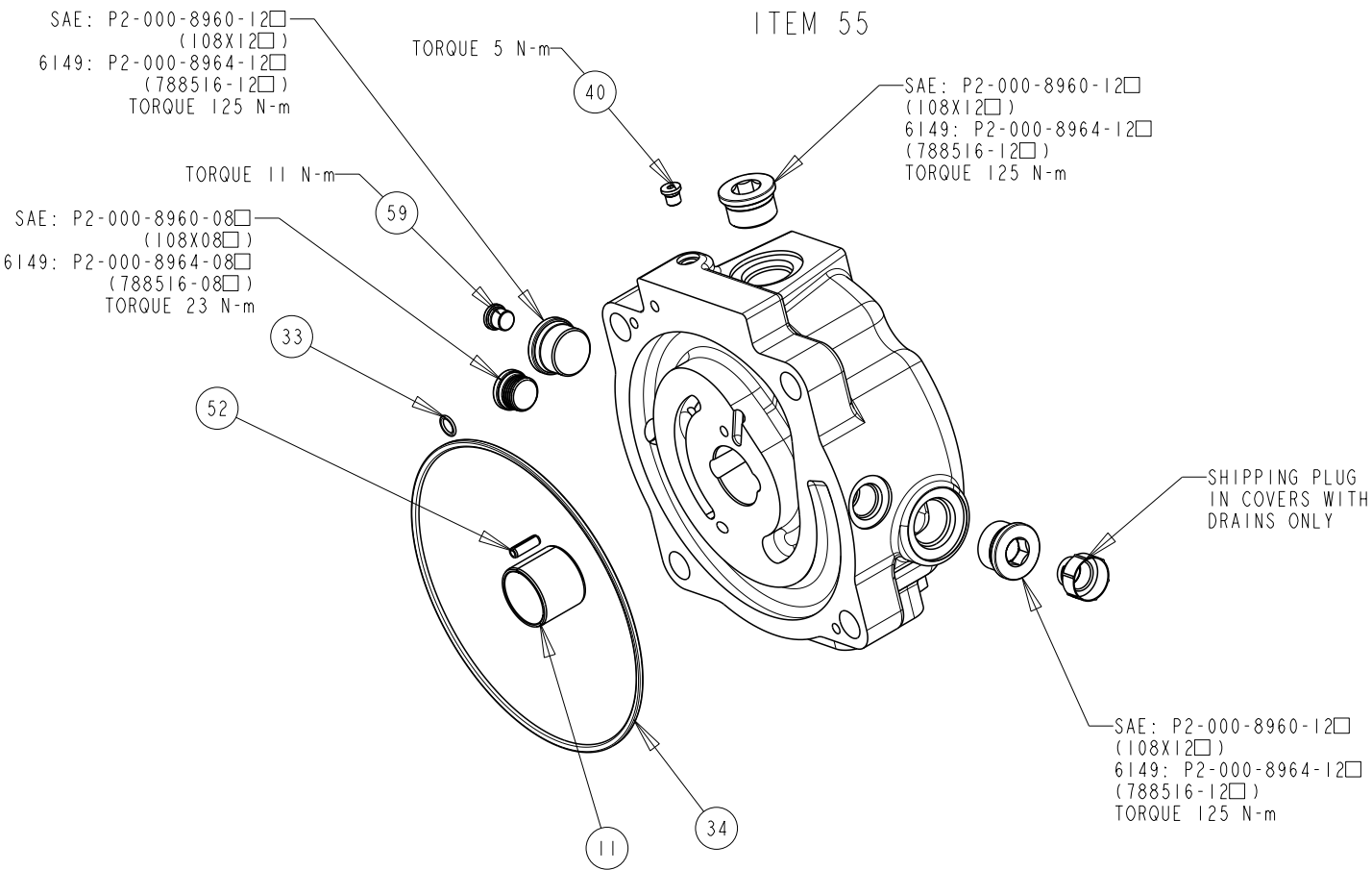


SHAFT ONLY	SHAFT ASSY	DESCRIPTION
P2-105-3525	P2-105-0225-36	C SPLINE THRU
P2-105-3527	P2-105-0225-38	CC SPLINE THRU
P2-105-3519	P2-105-0225-40	D SPLINE THRU
P2-105-3533	P2-105-0225-46	C KEY THRU
P2-105-3535	P2-105-0225-48	CC KEY THRU
P2-105-3520	P2-105-0225-56	C SPLINE THRU NO UNDERCUT
P2-105-3546	P2-105-0225-60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

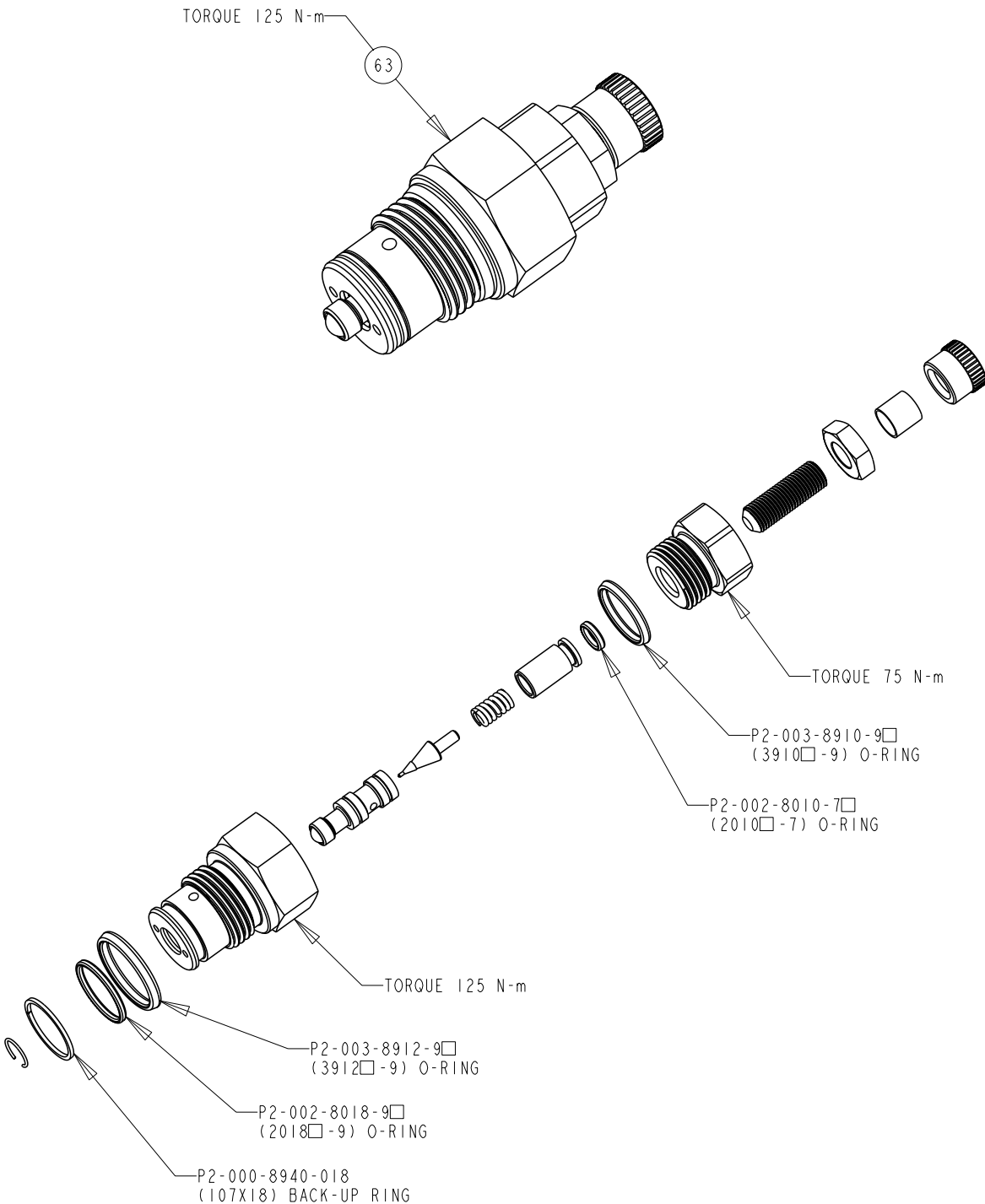


COVER ONLY	COVER ASSY	DESCRIPTION
P2-105-1015-01	P2-105-0226-09□	SIDE PORT, CCW, UNC
P2-105-1015-02	P2-105-0226-10□	SIDE PORT, CCW, UNC, THRU
P2-105-1015-03	P2-105-0226-11□	SIDE PORT, CCW, METRIC
P2-105-1015-04	P2-105-0226-12□	SIDE PORT, CCW, METRIC, THRU
P2-105-1015-05	P2-105-0226-37□	SIDE PORT, CCW, UNC, DRAIN
P2-105-1015-06	P2-105-0226-38□	SIDE PORT, CCW, UNC, THRU, DRAIN
P2-105-1015-07	P2-105-0226-39□	SIDE PORT, CCW, METRIC, DRAIN
P2-105-1015-08	P2-105-0226-40□	SIDE PORT, CCW, METRIC, THRU, DRAIN
P2-105-1016-01	P2-105-0226-13□	SIDE PORT, CW, UNC
P2-105-1016-02	P2-105-0226-14□	SIDE PORT, CW, UNC, THRU
P2-105-1016-03	P2-105-0226-15□	SIDE PORT, CW, METRIC
P2-105-1016-04	P2-105-0226-16□	SIDE PORT, CW, METRIC, THRU
P2-105-1016-05	P2-105-0226-41□	SIDE PORT, CW, UNC, DRAIN
P2-105-1016-06	P2-105-0226-42□	SIDE PORT, CW, UNC, THRU, DRAIN
P2-105-1016-07	P2-105-0226-43□	SIDE PORT, CW, METRIC, DRAIN
P2-105-1016-08	P2-105-0226-44□	SIDE PORT, CW, METRIC, THRU, DRAIN



TITLE	DRAWING NUMBER	REVISION	STATUS	SHEET
SERVICE PARTS P3105 DESIGN SERIES 12	P2-105-0406	B	PR	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. REMOVE IMPELLER
 3. DE-STROKE PUMP TO MINIMUM ANGLE WITH MAX VOLUME SCREW
 4. REMOVE FIXED CLEARANCE HOLD DOWN SCREWS AND HOLD DOWN PARTS
 5. REMOVE ROTATING GROUP (BARREL, SLIPPER RETAINER AND PISTONS)
 6. REMOVE SHAFT SEAL CARRIER
 7. REMOVE SHAFT
 8. REMOVE BIAS SPRING PLUG, SPRING AND RETAINER
 9. REMOVE MAX. VOLUME ASSY
 10. REMOVE SERVO PISTON
 11. 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 P3105 DESIGN SERIES 12	P2-105-0406	B	PR	SHEET 7 OF 7

