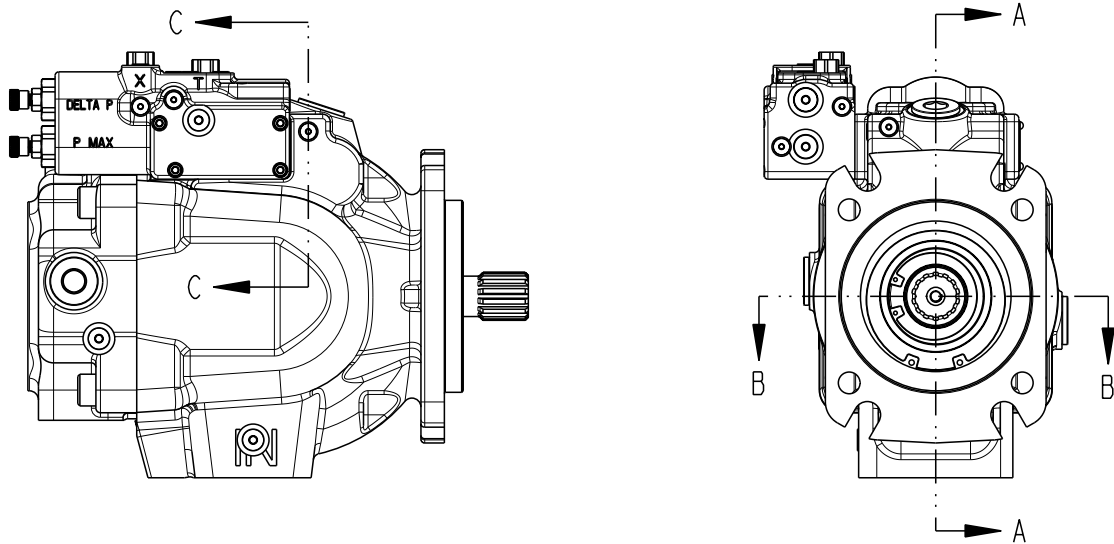
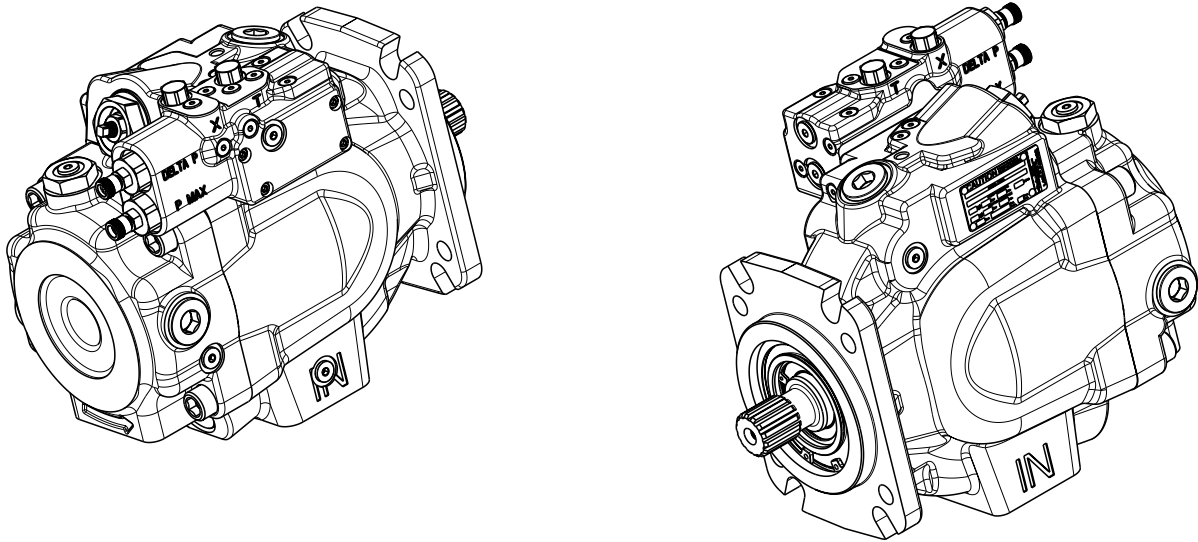


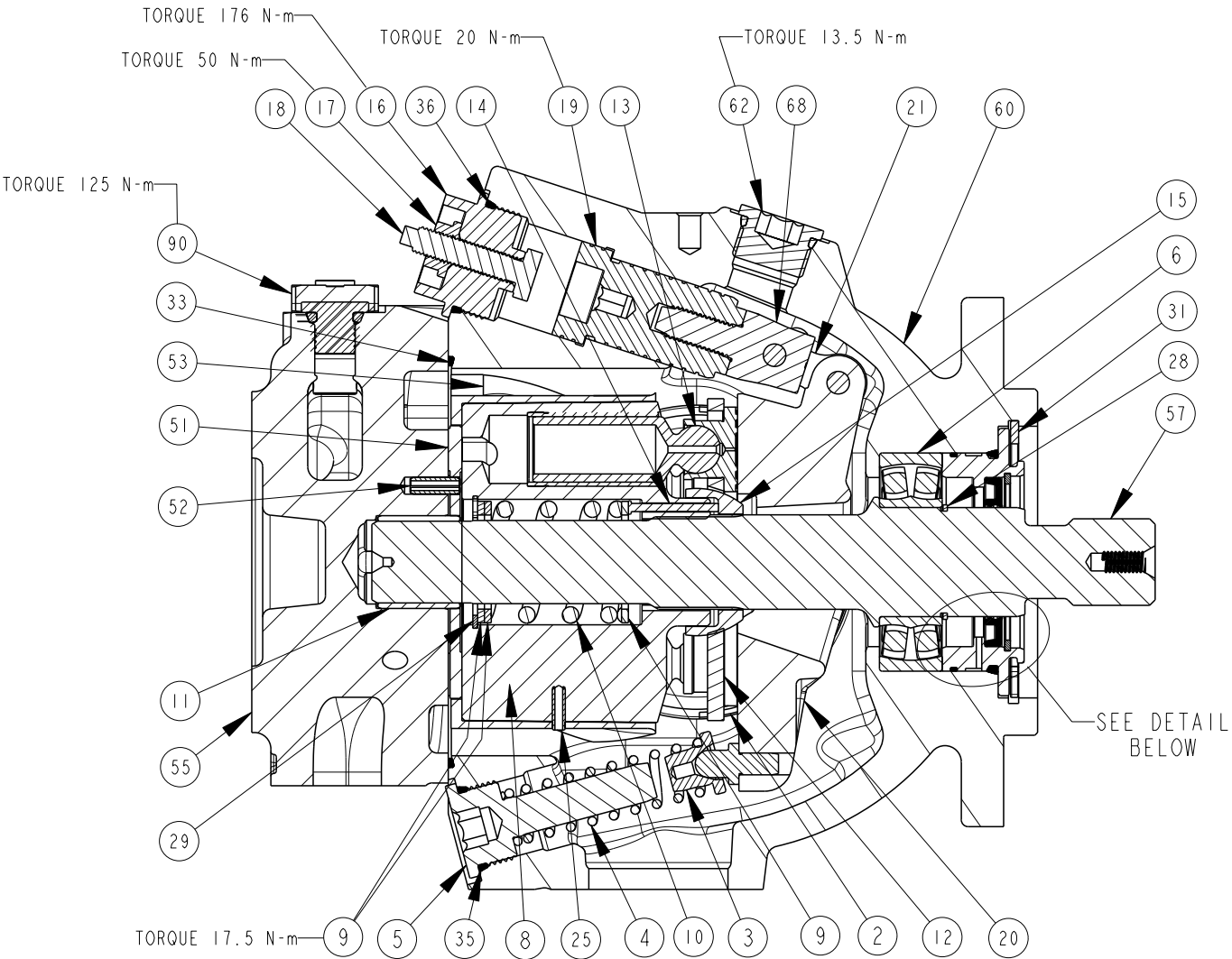
| TITLE                                   | DRAWING NUMBER | REVISION | STATUS | SHEET  |
|-----------------------------------------|----------------|----------|--------|--------|
| SERVICE PARTS<br>P3075 DESIGN SERIES 12 | P2-075-0406    | A        | PR     | 1 OF 7 |



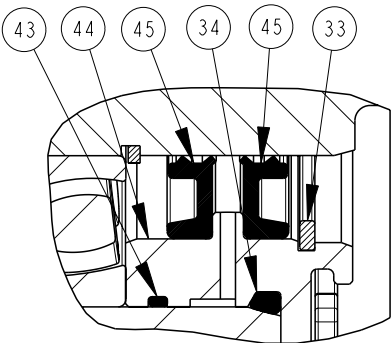
NOTES:  
 1 PUMP SHOWN IS A RIGHT HANDED (CW) ROTATION PUMP. LEFT HAND (CCW) ROTATION PUMPS HAVE OUTLET GAUGE PORT REVERSED.



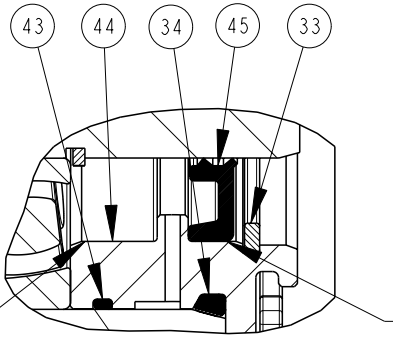
| DRAWN BY | DATE    | CHANGED BY | DATE    | ECN NUMBER |
|----------|---------|------------|---------|------------|
| STREHLOW | 04DEC04 | STREHLOW   | 30MAR05 | 134425     |



SECTION A-A  
 SCALE 2:5



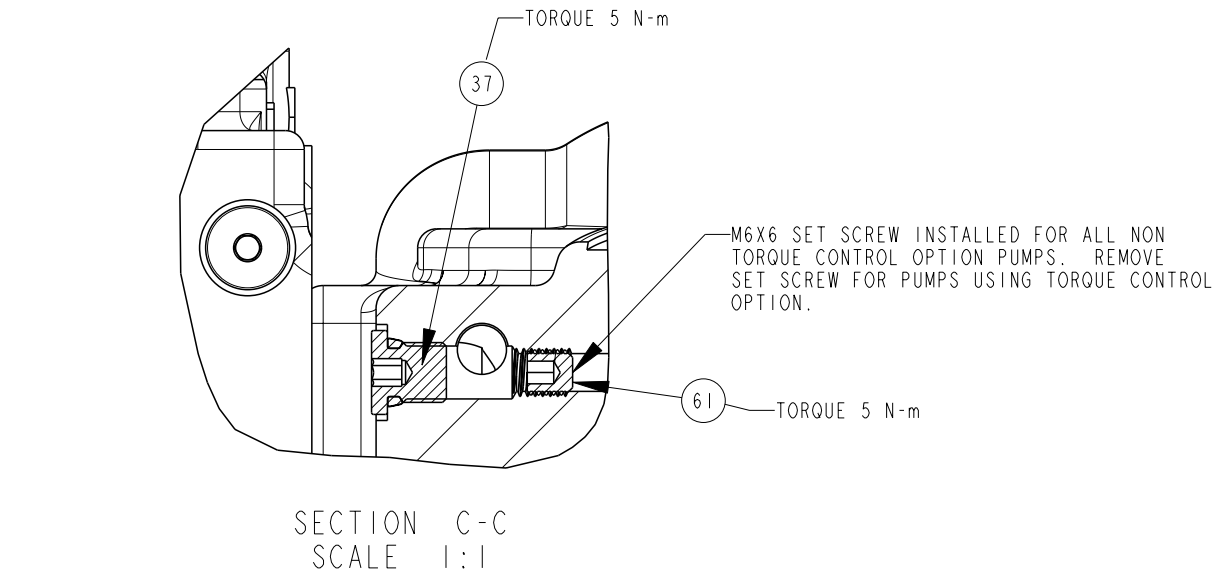
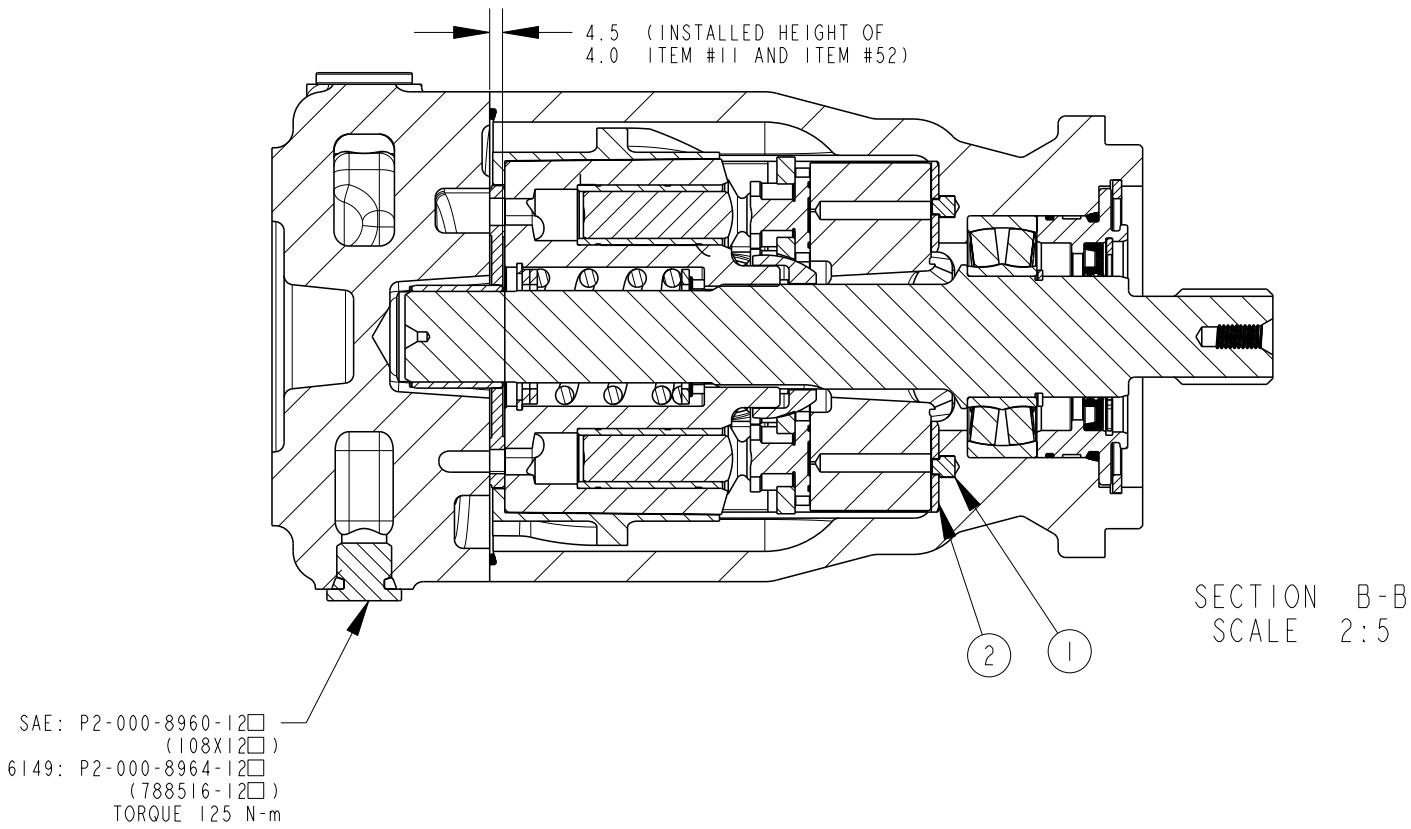
DUAL SHAFT SEAL ASSEMBLY  
 P2-075-0210-02□  
 SECTION A-A  
 SCALE 1:1



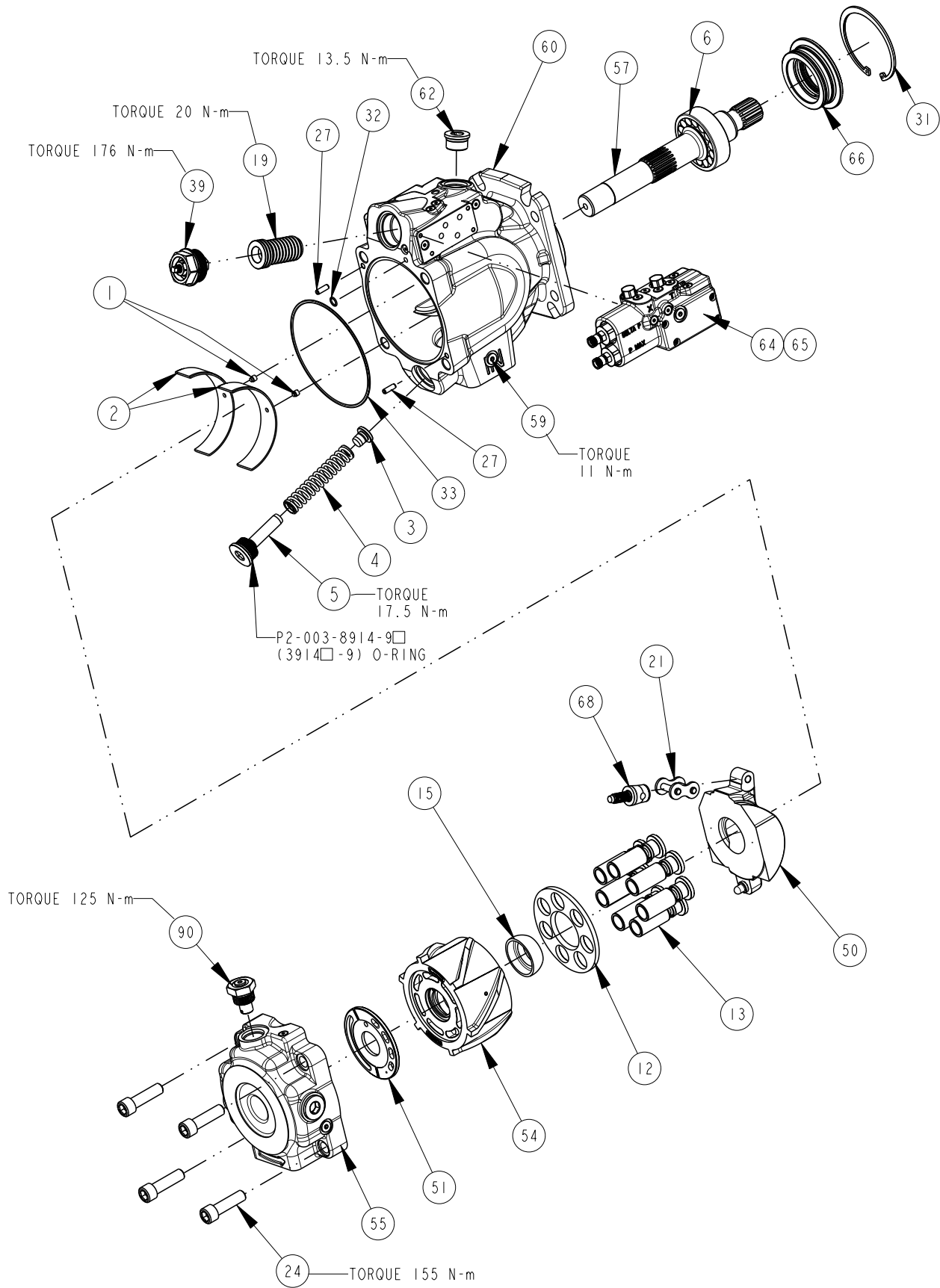
SINGLE SHAFT SEAL ASSEMBLY  
 P2-075-0210-01□  
 SECTION A-A  
 SCALE 1:1



| TITLE                                   | DRAWING NUMBER | REVISION | STATUS | SHEET  |
|-----------------------------------------|----------------|----------|--------|--------|
| SERVICE PARTS<br>P3075 DESIGN SERIES 12 | P2-075-0406    | A        | PR     | 2 OF 7 |



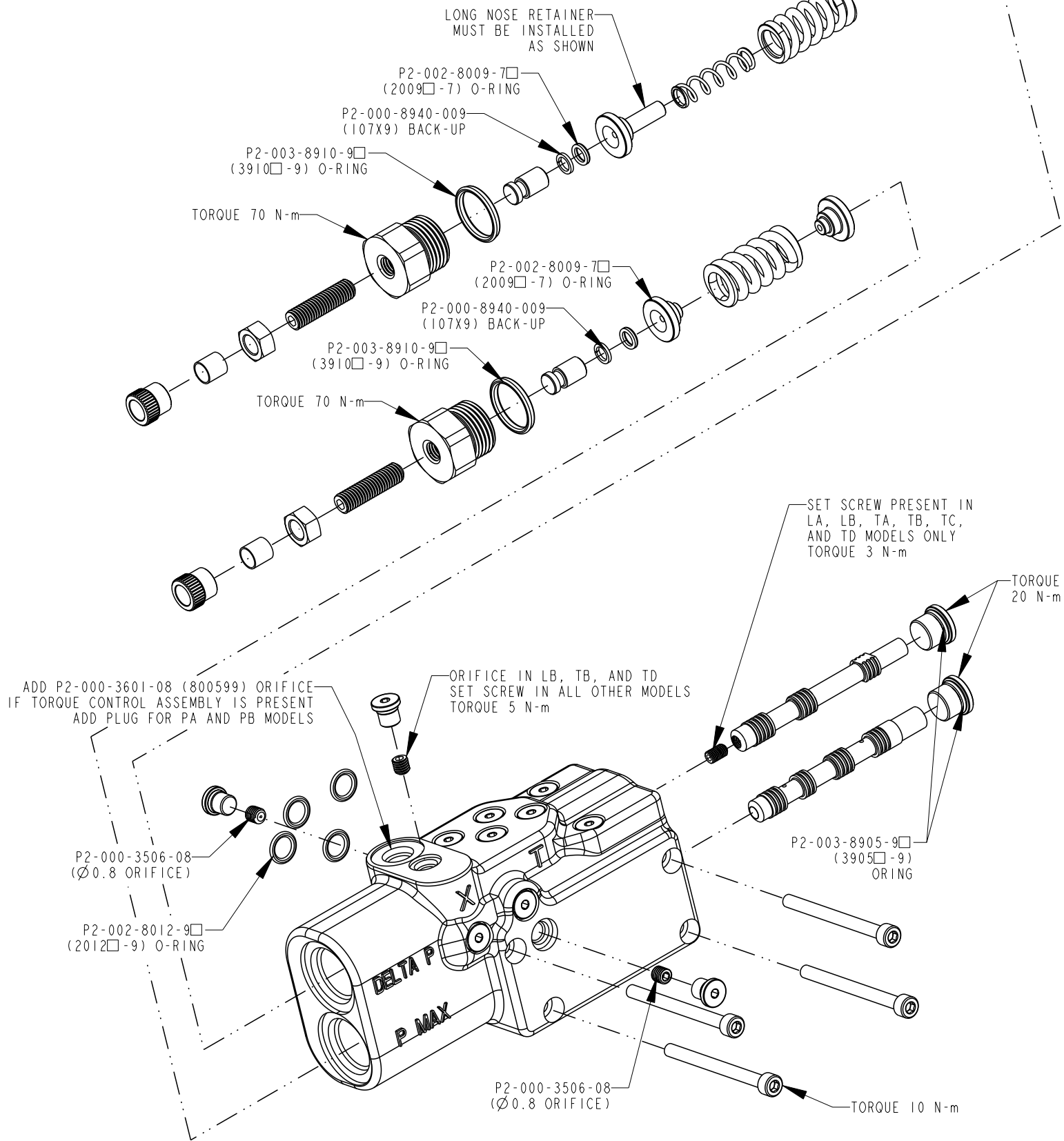
| DRAWN BY | DATE    | CHANGED BY | DATE    | ECN NUMBER  |
|----------|---------|------------|---------|-------------|
| STREHLOW | 04DEC04 | STREHLOW   | 30MAR05 | SEE SHEET 1 |



| TITLE                                   | DRAWING NUMBER | REVISION | STATUS |              |
|-----------------------------------------|----------------|----------|--------|--------------|
| SERVICE PARTS<br>P3075 DESIGN SERIES 12 | P2-075-0406    | A        | PR     | SHEET 3 OF 7 |

# COMPENSATOR KITS

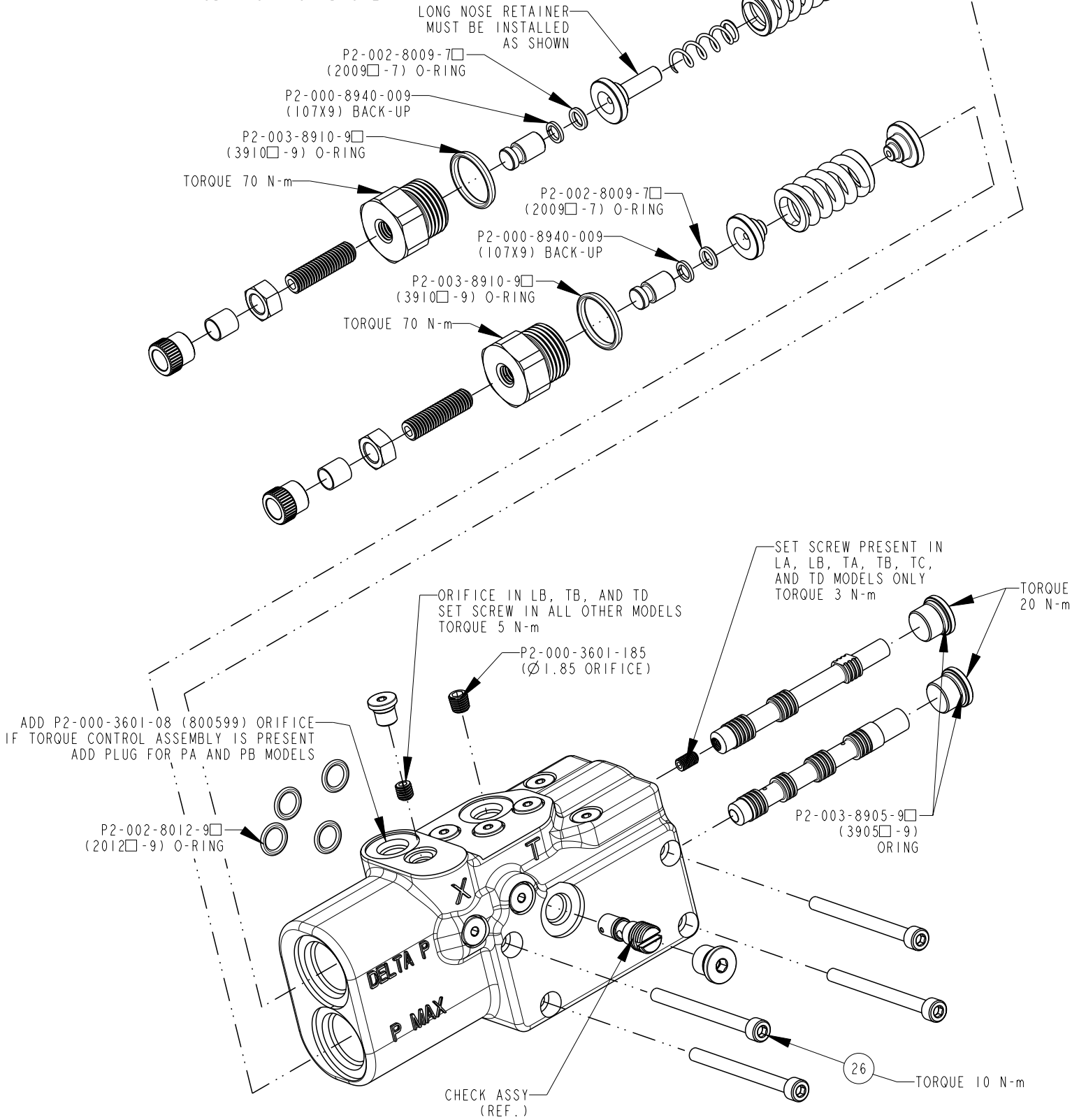
P2-075-0806-XX - ITEM 65  
USED ON MODIFICATION D & E ONLY



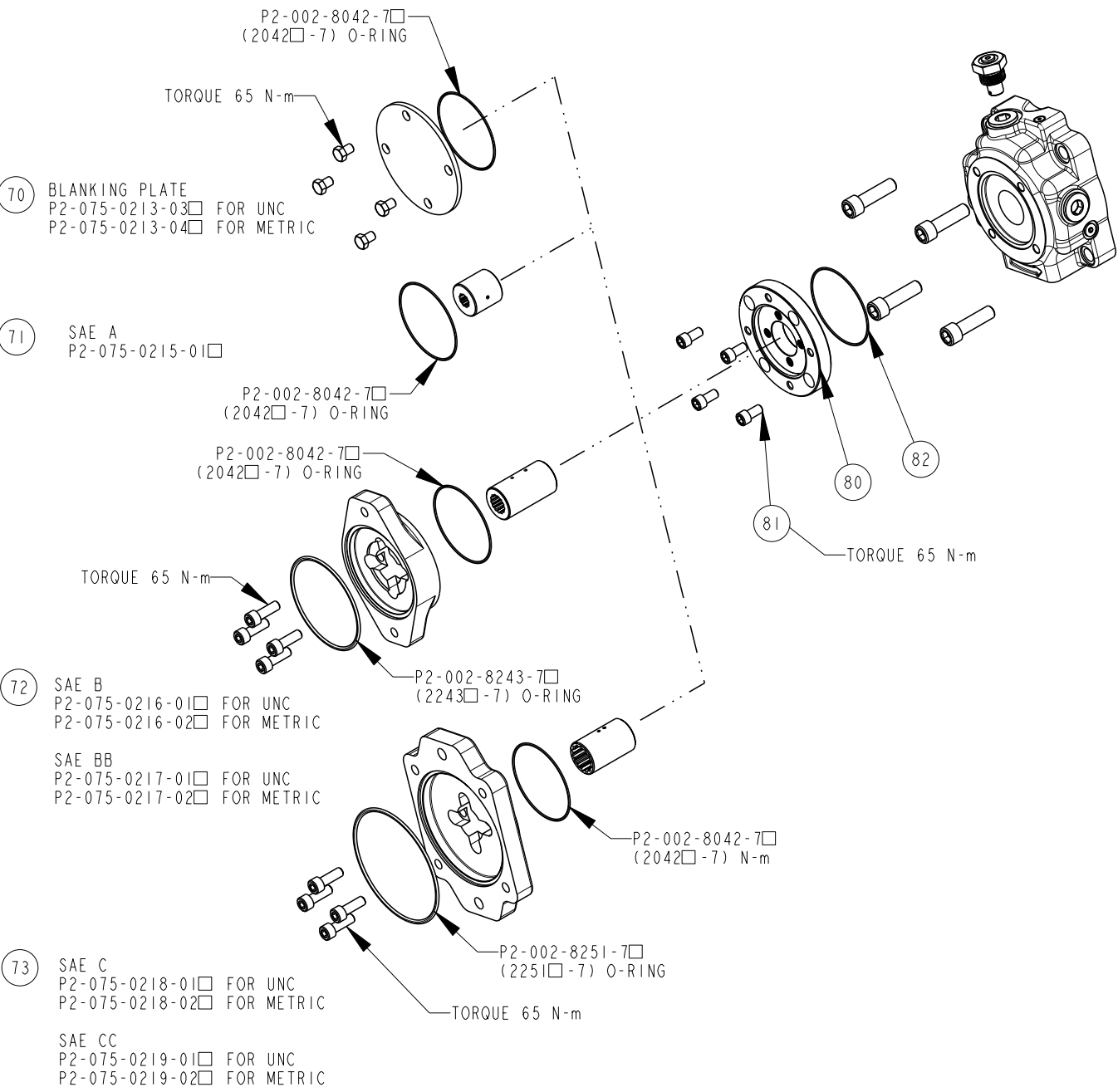
| DRAWN BY | DATE    | CHANGED BY | DATE    | ECN NUMBER  |
|----------|---------|------------|---------|-------------|
| STREHLOW | 04DEC04 | STREHLOW   | 30MAR05 | SEE SHEET 1 |

# COMPENSATOR KITS

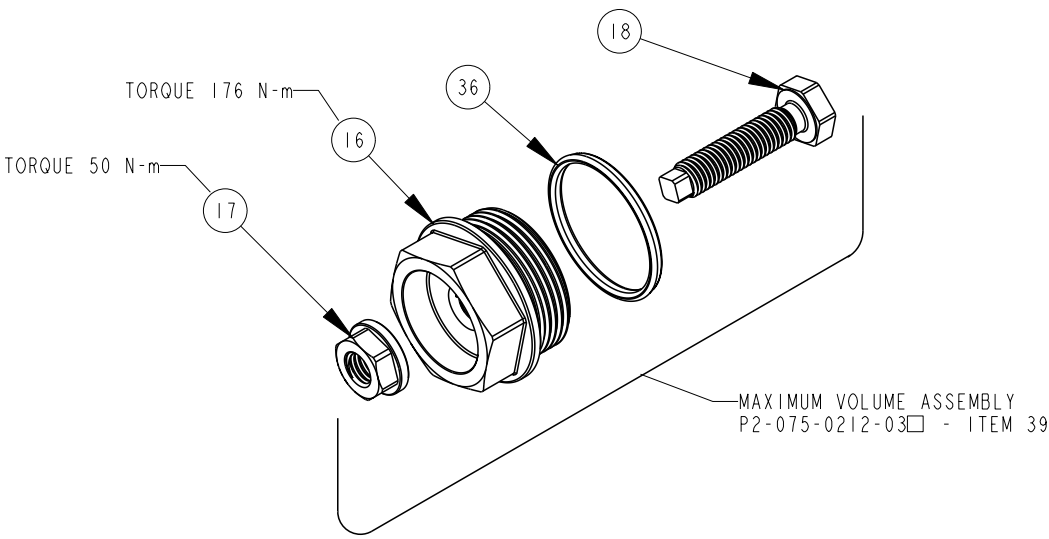
P2-075-0807-XX - ITEM 65  
USED ON ALL MODELS EXCEPT  
WITH MODIFICATION D & E



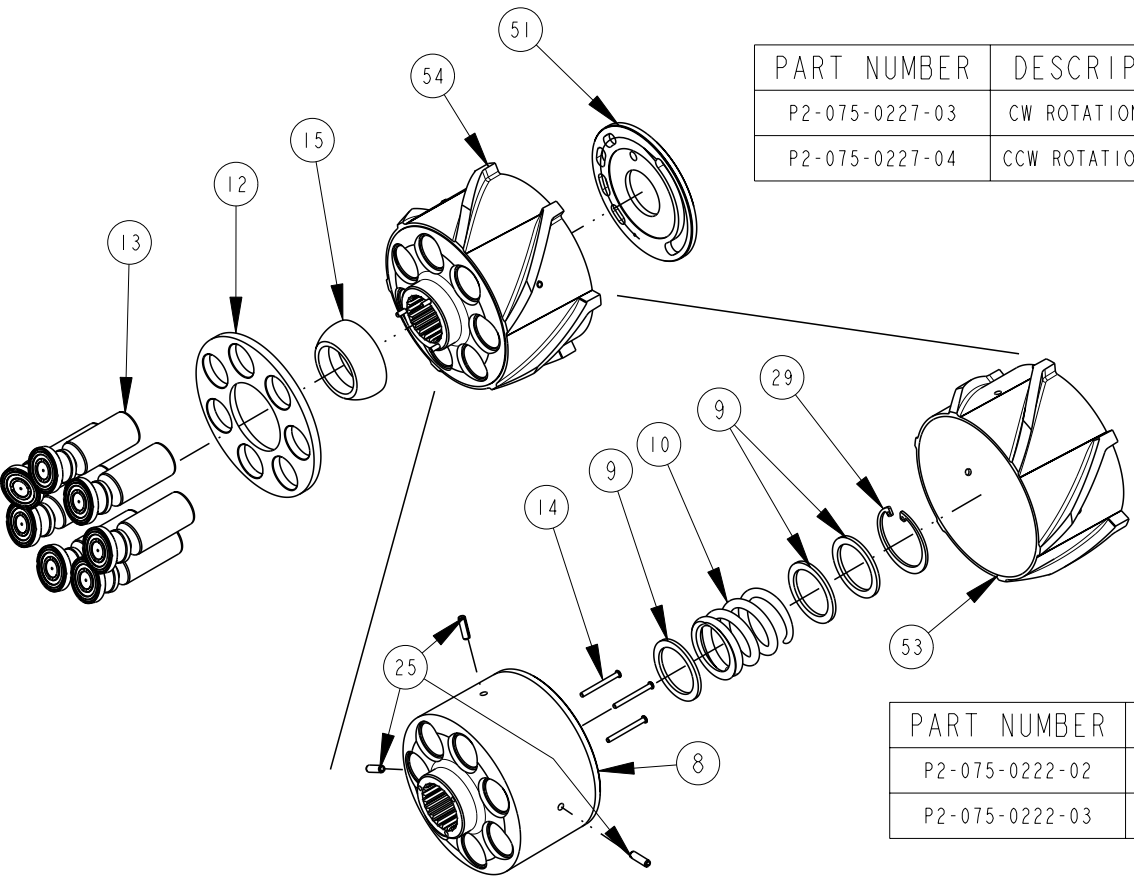
THRU SHAFT KITS



MAX VOLUME ASSEMBLY



BARREL KIT AND  
ROTATION GROUP KIT

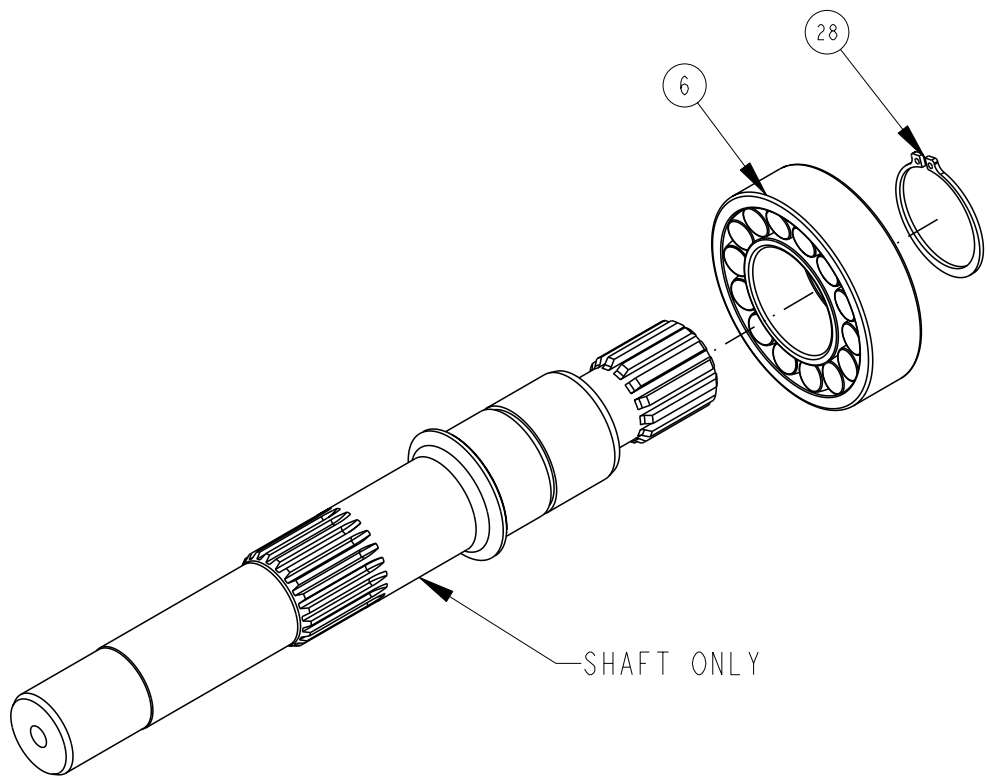


| PART NUMBER    | DESCRIPTION        | HPD PART    |
|----------------|--------------------|-------------|
| P2-075-0227-03 | CW ROTATION GROUP  | RRKP3075R12 |
| P2-075-0227-04 | CCW ROTATION GROUP | RRKP3075L12 |

| PART NUMBER    | DESCRIPTION    |
|----------------|----------------|
| P2-075-0222-02 | CW BARREL KIT  |
| P2-075-0222-03 | CCW BARREL KIT |



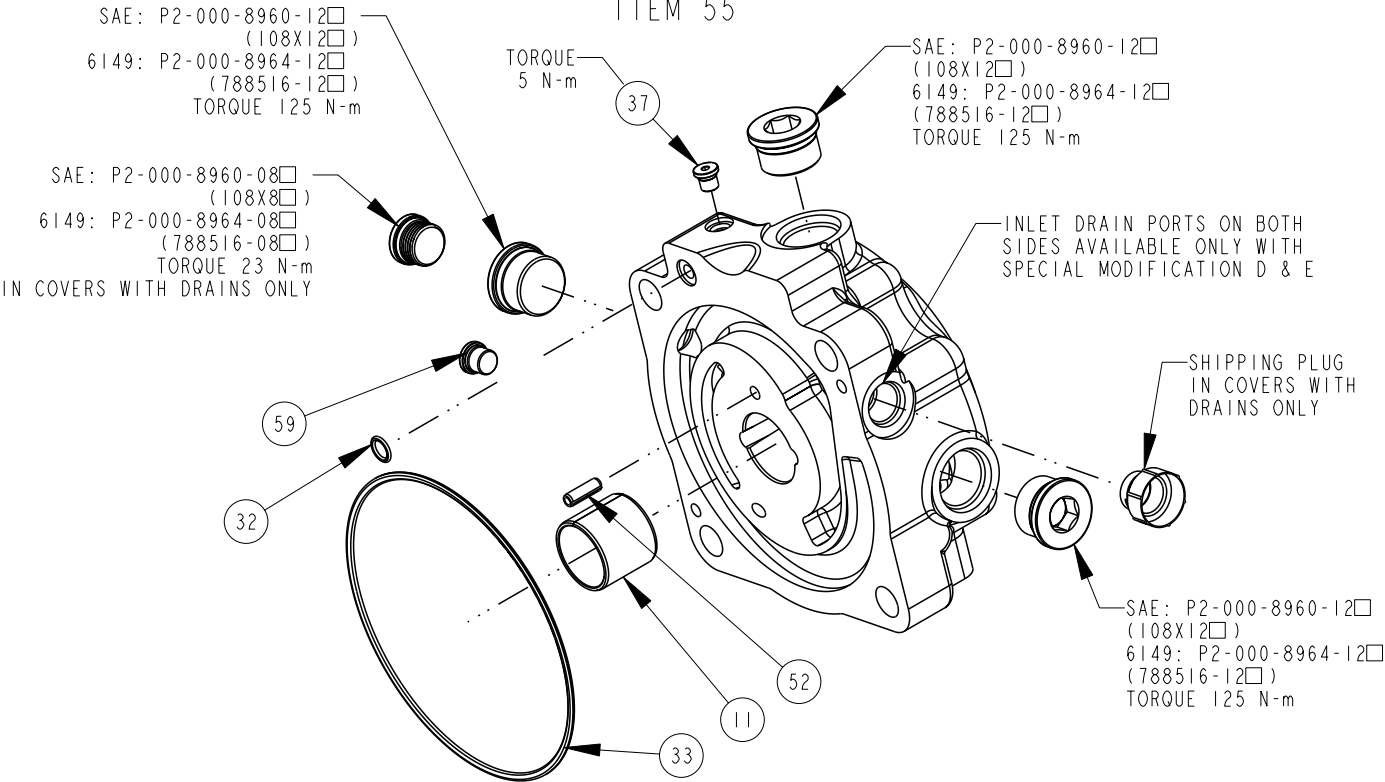
SHAFT ASSEMBLY KITS  
ITEM 57



SHAFT ASSEMBLY KIT INCLUDES:  
SHAFT, BEARING AND RETAINING RING

| SHAFT ONLY  | SHAFT ASSY     | DESCRIPTION                |
|-------------|----------------|----------------------------|
| P2-075-3512 | P2-075-0225-35 | C SPLINE                   |
| P2-075-3525 | P2-075-0225-36 | C SPLINE THRU              |
| P2-075-3526 | P2-075-0225-37 | CC SPLINE                  |
| P2-075-3527 | P2-075-0225-38 | CC SPLINE THRU             |
| P2-075-3532 | P2-075-0225-45 | C KEY                      |
| P2-075-3533 | P2-075-0225-46 | C KEY THRU                 |
| P2-075-3534 | P2-075-0225-47 | CC KEY                     |
| P2-075-3535 | P2-075-0225-48 | CC KEY THRU                |
| P2-075-3542 | P2-075-0225-55 | C SPLINE NO UNDERCUT       |
| P2-075-3520 | P2-075-0225-56 | C SPLINE THRU NO UNDERCUT  |
| P2-075-3543 | P2-075-0225-57 | CC SPLINE NO UNDERCUT      |
| P2-075-3544 | P2-075-0225-58 | CC SPLINE THRU NO UNDERCUT |

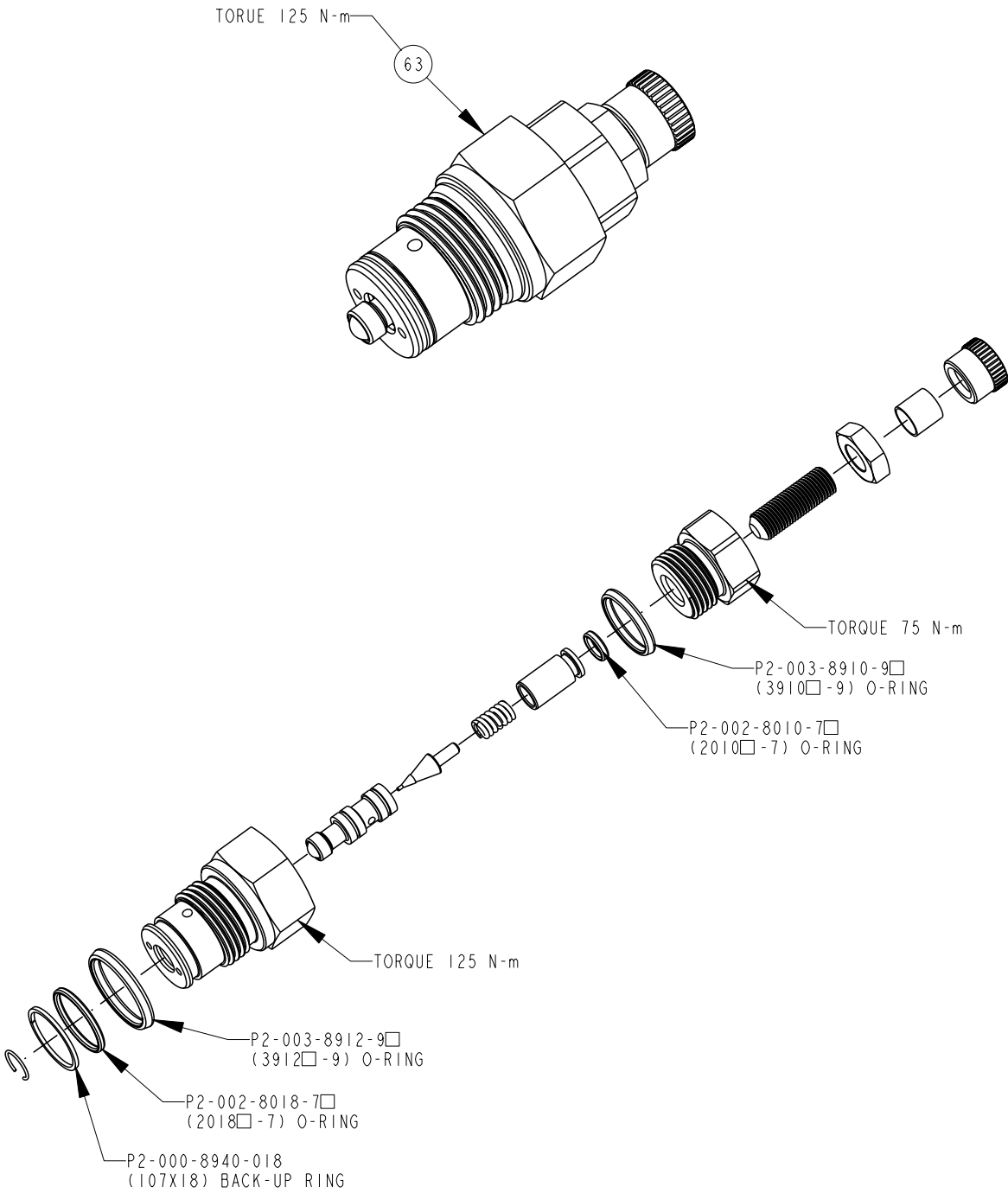
COVER ASSEMBLY KITS  
ITEM 55



| COVER ONLY     | COVER ASSY     | DESCRIPTION                          |
|----------------|----------------|--------------------------------------|
| P2-075-1015-01 | P2-075-0226-09 | SIDE PORTS, CCW, UNC                 |
| P2-075-1015-02 | P2-075-0226-10 | SIDE PORTS, CCW, UNC, THRU           |
| P2-075-1015-03 | P2-075-0226-11 | SIDE PORTS, CCW, METRIC              |
| P2-075-1015-04 | P2-075-0226-12 | SIDE PORTS, CCW, METRIC, THRU        |
| P2-075-1015-05 | P2-075-0226-37 | SIDE PORTS, CCW, UNC, DRAIN          |
| P2-075-1015-06 | P2-075-0226-38 | SIDE PORTS, CCW, UNC, THRU, DRAIN    |
| P2-075-1015-07 | P2-075-0226-39 | SIDE PORTS, CCW, METRIC, DRAIN       |
| P2-075-1015-08 | P2-075-0226-40 | SIDE PORTS, CCW, METRIC, THRU, DRAIN |
| P2-075-1016-01 | P2-075-0226-13 | SIDE PORTS, CW, UNC                  |
| P2-075-1016-02 | P2-075-0226-14 | SIDE PORTS, CW, UNC, THRU            |
| P2-075-1016-03 | P2-075-0226-15 | SIDE PORTS, CW, METRIC               |
| P2-075-1016-04 | P2-075-0226-16 | SIDE PORTS, CW, METRIC, THRU         |
| P2-075-1016-05 | P2-075-0226-41 | SIDE PORTS, CW, UNC, DRAIN           |
| P2-075-1016-06 | P2-075-0226-42 | SIDE PORTS, CW, UNC, THRU, DRAIN     |
| P2-075-1016-07 | P2-075-0226-43 | SIDE PORTS, CW, METRIC, DRAIN        |
| P2-075-1016-08 | P2-075-0226-44 | SIDE PORTS, CW, METRIC, THRU, DRAIN  |

| TITLE                                   | DRAWING NUMBER | REVISION | STATUS |              |
|-----------------------------------------|----------------|----------|--------|--------------|
| SERVICE PARTS<br>P3075 DESIGN SERIES 12 | P2-075-0406    | A        | PR     | SHEET 6 OF 7 |

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



| DRAWN BY | DATE    | CHANGED BY | DATE    | ECN NUMBER  |
|----------|---------|------------|---------|-------------|
| STREHLOW | 04DEC04 | STREHLOW   | 30MAR05 | SEE SHEET 1 |

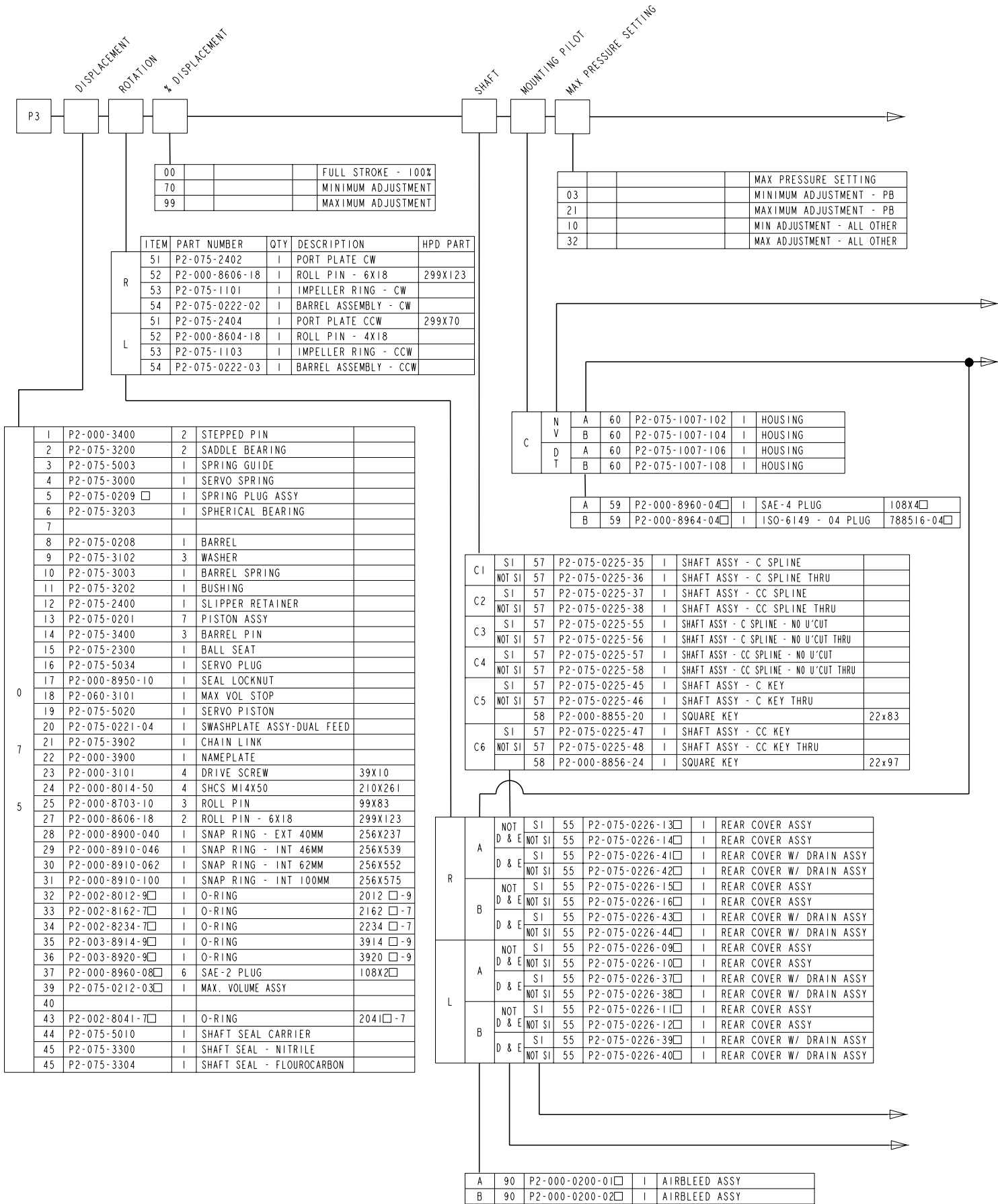
## ASSEMBLY, DIS-ASSEMBLY AND REPAIR NOTES

- DISASSEMBLY STEPS FOR ENTIRE PUMP
1. REMOVE COVER SCREWS AND COVER
  2. REMOVE ROTATING GROUP
  3. REMOVE SHAFT SEAL CARRIER
  4. REMOVE SHAFT
  5. REMOVE BIAS SPRING PLUG, SPRING AND RETAINER
  6. REMOVE MAX. VOLUME ASSY
  7. REMOVE SERVO PISTON.
  8. 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<br>P3075 DESIGN SERIES 12 | P2-075-0406    | A        | PR     | SHEET 7 OF 7 |



|          |         |            |         |             |
|----------|---------|------------|---------|-------------|
| DRAWN BY | DATE    | CHANGED BY | DATE    | ECN NUMBER  |
| STREHLOW | 04DEC04 | STREHLOW   | 30MAR05 | SEE SHEET 1 |

