



- 14 - Detent Body
- 15 - Spacer
- 16 - Spacer
- 17 - Poppet
- 18 - Washer
- 19 - Spring
- 20 - Detent Body End Cap
- 21 - Spring
- 22 - Poppet
- Y12 - Return-to-Dig Solenoid

Remove relief valve (1). Repair or replace as necessary. [See Relief Valve Disassemble and Assemble](#) . (Group 2162.)

2. Remove relief valve with anticavitation (2). Repair or replace as necessary. [See Relief Valve with Anticavitation Disassemble and Assemble](#) . (Group 2162.)
3. Remove cap screws (3), plate (4), wiper (5), and O-ring (6).
4. Remove cap screws (7).
5. Remove parts (8—20 and Y12) as an assembly.
6. Remove O-ring (8) from spool (9).
7. Remove spool, washer (10), spring seats (11), spring (12) and cap screw (13) as an assembly from detent body (14).
8. Using a protective cover or wood blocks, secure spool in vice.
9. Remove cap screw (13) from spool to free washer (10), spring seats, and spring (12).
10. Remove spacers (15 and 16), poppet (17), washer (18), spring (19), detent body end cap (20), and return-to-dig solenoid (Y12) from detent body.
11. Remove spring (21) and poppet (22).

12.

**NOTE:**

*Detent assembly (10—20 and Y12) is serviced as a complete assembly. Only O-rings (6 and 8) and wiper are serviceable.*

Inspect parts and replace as necessary.

13. Install spring (21) and poppet (22).
14. Prepare threads of spool and cap screw (13) with PM37509 Loctite Klean 'N Prime.
15. Apply PM37421 Loctite Thread Lock and Sealer (high strength) to threads of cap screw (13).
16. Assemble spool, washer (10), spring seats, spring (12), and cap screw (13). Tighten cap screw to specification.