ACCUMULATOR CHARGING VALVE

Orifice Replacement Instructions

NOTE

These instructions are to be used to replace orifice (9), 11.2 L/min flow, with a new orifice (9), 15 L/min flow.

⚠ WARNING

Be sure system energy is relieved from the accumulator charging valve before servicing the valve. See machine servicing instructions for procedures to relieve system energy.

NOTE: Prevent contamination to the accumulator charging valve and hydraulic system. Thoroughly clean the valve and surrounding area of all dirt, grease, oil, etc. before servicing. See Figure 1 and locate nut (1) on the valve while the valve remains installed on the machine.

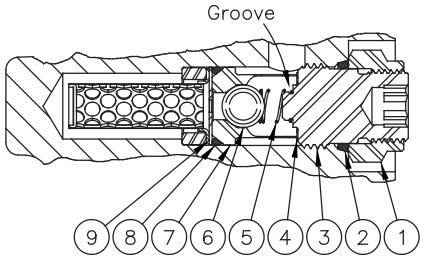

FIGURE 3

INSTRUCTIONS

1. **Directional spring (5) is attached to screw assembly (3) by means of a small diameter end of spring (5) being snapped into a groove on the nose end screw assembly (3). See Figure 3.** Be prepared for steel ball (6) to drop out of cavity during this procedure. Remove nut (1) from screw assembly (3). Remove screw assembly (3)/spring (5) from accumulator charging valve. Remove o-ring (2) from screw assembly (3) from nut (1) side of screw assembly. Remove shim (4), steel ball (6), seat (7), o-ring (8) and orifice (9) from accumulator charging valve. A small pick tool may be useful during this procedure. **NOTE: There is a spacer and filter in the end of this cavity which do not need to be removed.**
2. **If necessary, reattach the small diameter of spring (6) into the groove on the nose end of screw assembly (3) using a slight twisting motion. See Figure 3.** Install new o-ring (2) on screw assembly (3) from nut (1) side of screw assembly. Install new orifice (9), new o-ring (8), seat (7) and steel ball (6) in accumulator charging valve. Apply grease to steel ball (6) to hold it in the cavity. Fully lubricate shim (4) with clean system fluid and adhere shim (4) to the end of screw assembly (3). Install screw assembly (3)/spring (5) in a accumulator charging valve. Torque screw assembly (3) 24.4-29.8 N·m (18-22 lb·ft). Then install nut (1) on screw assembly (3) and torque nut 43.4-51.5 N·m (32-38 lb·ft).

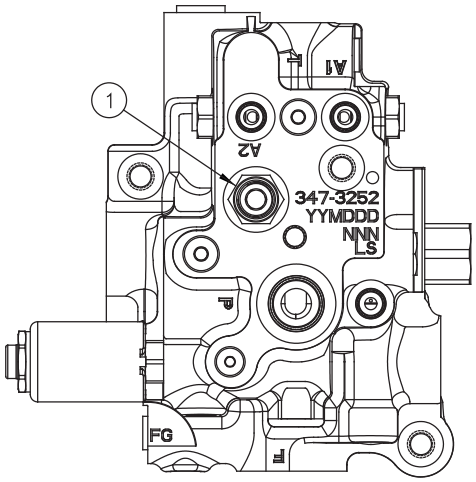

FIGURE 1

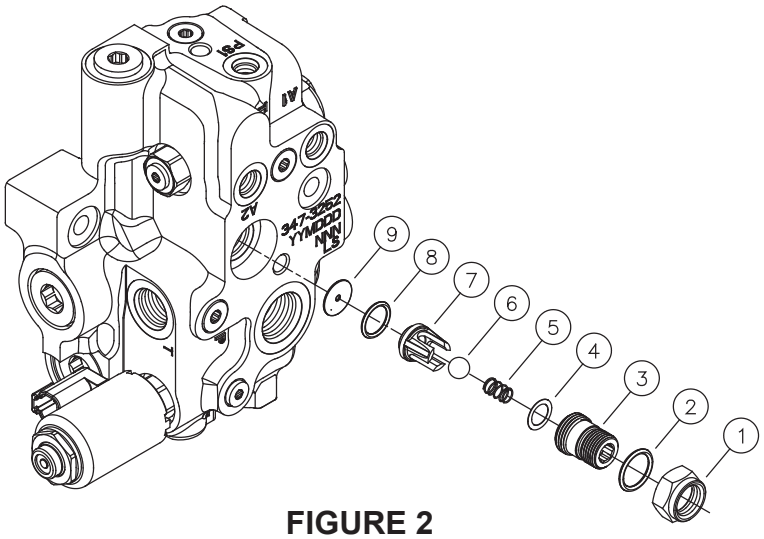

FIGURE 2