

## SWING BRAKE RELEASE VALVE

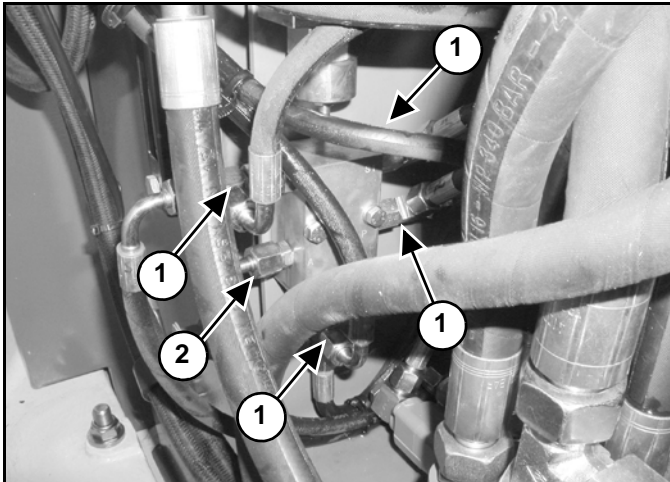
### Removal And Installation

Open the rear cover.

# IMPORTANT

When repairing hydrostatic and hydraulic systems, clean the work area before disassembly and keep all parts clean. Always use caps and plugs on hoses, tubelines and ports to keep dirt out. Dirt can quickly damage the system.

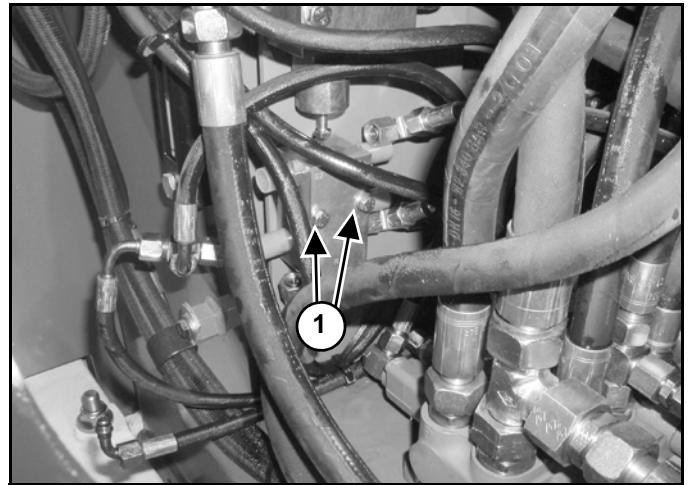
Figure 20-93-1



Mark and remove the four tees (Item 1) [Figure 20-93-1].

Remove the hose (Item 2) [Figure 20-93-1].

Figure 20-93-2



Remove the two bolts (Item 1) [Figure 20-93-2].

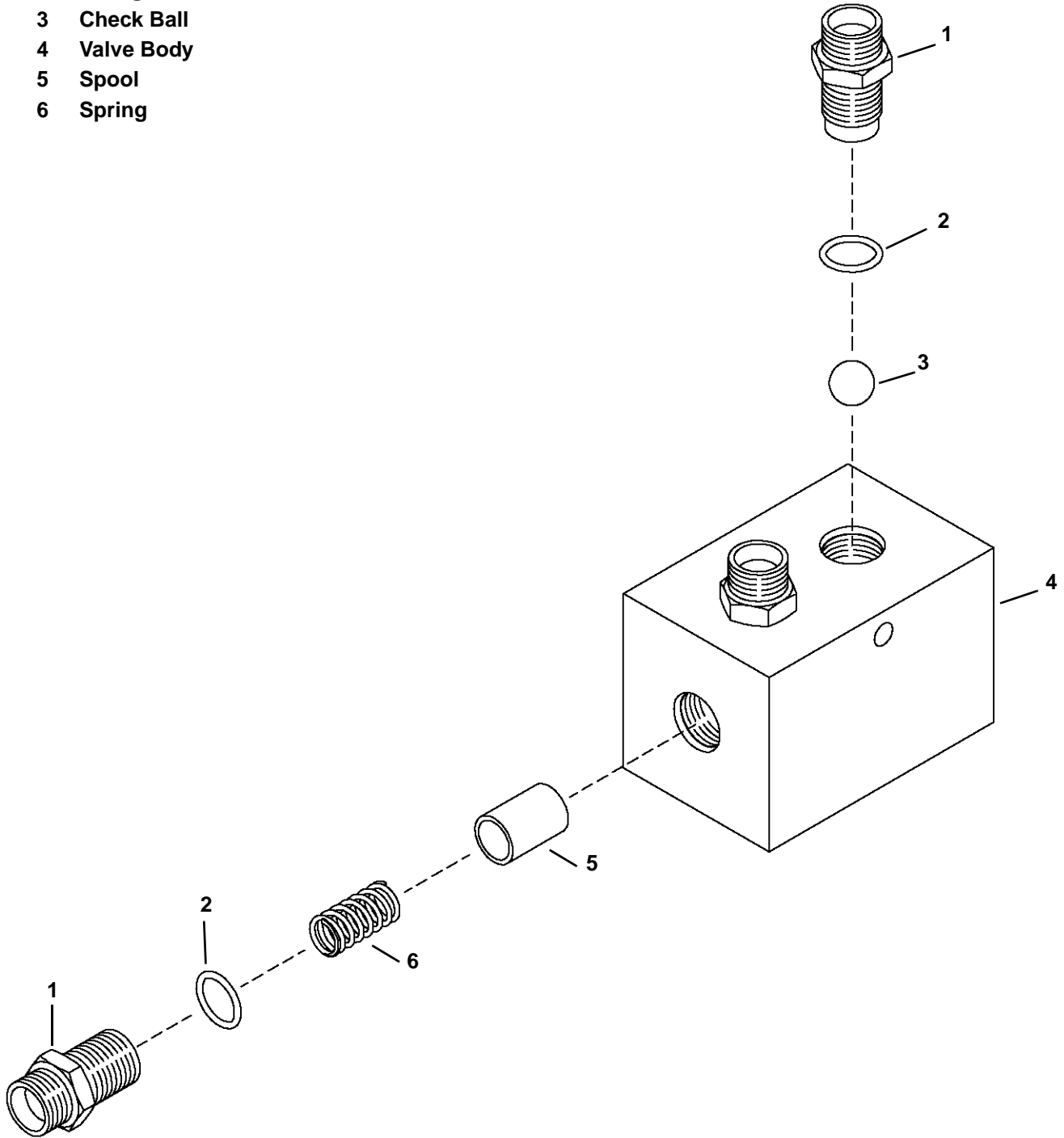
**Installation:** Tighten the bolts to 6-7 ft.-lb. (8-10 Nm) torque.

Remove the valve.

# SWING BRAKE RELEASE VALVE (CONT'D)

## Parts Identification

- 1 Fitting
- 2 O-ring
- 3 Check Ball
- 4 Valve Body
- 5 Spool
- 6 Spring

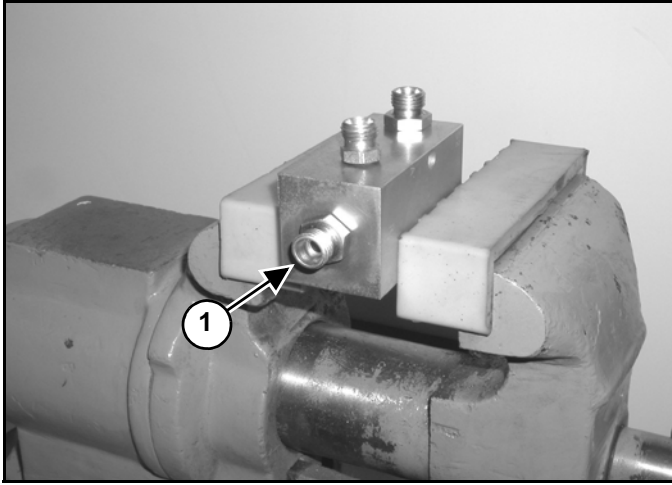


## SWING BRAKE RELEASE VALVE (CONT'D)

### Disassembly And Assembly

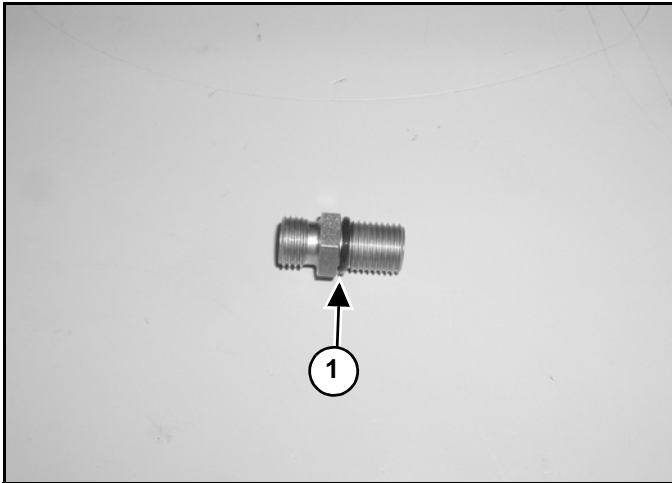
Place the valve in a vise that is equipped with soft jaws.

**Figure 20-93-3**



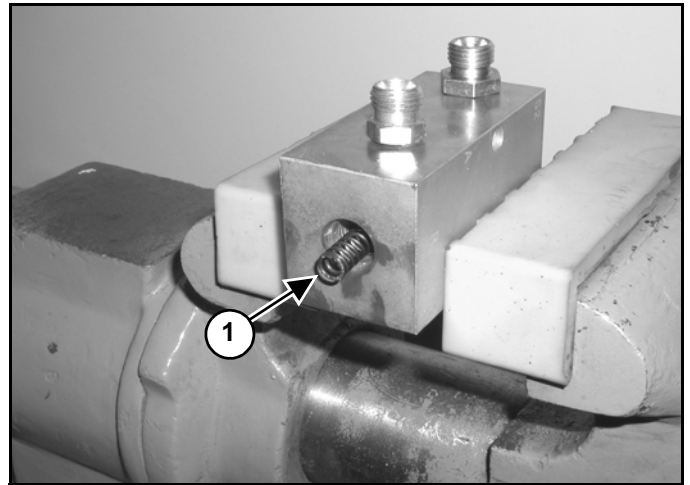
Remove the fitting (Item 1) [Figure 20-93-3] from the iRi port.

**Figure 20-93-4**



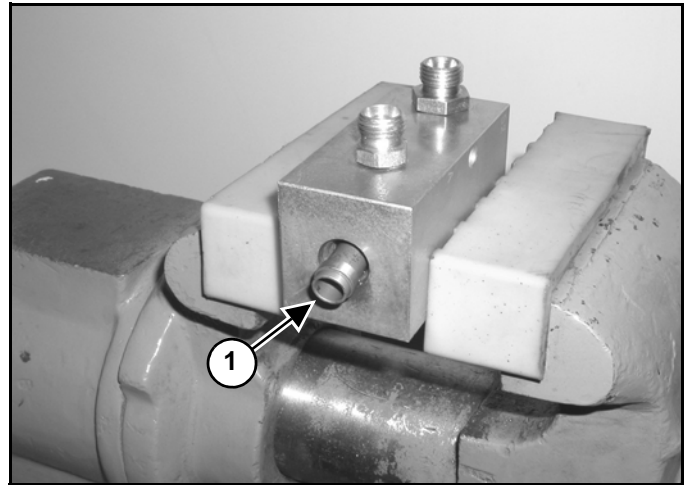
Remove the O-ring (Item 1) [Figure 20-93-4] from the fitting.

**Figure 20-93-5**



Remove the spring (Item 1) [Figure 20-93-5].

**Figure 20-93-6**

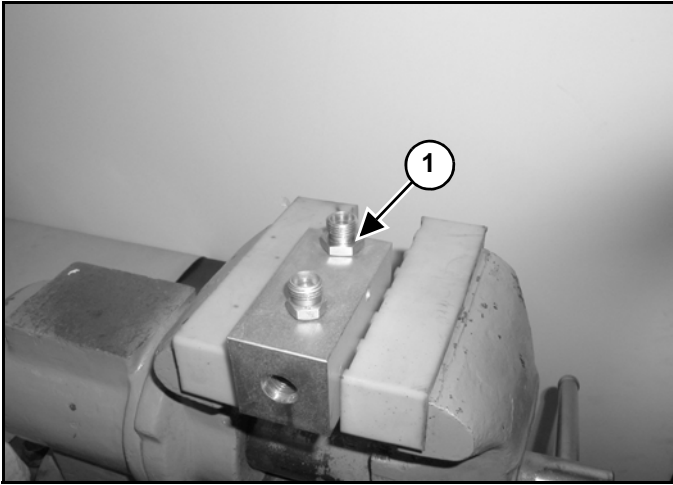


Remove the spool (Item 1) [Figure 20-93-6].

## SWING BRAKE RELEASE VALVE (CONÍTD)

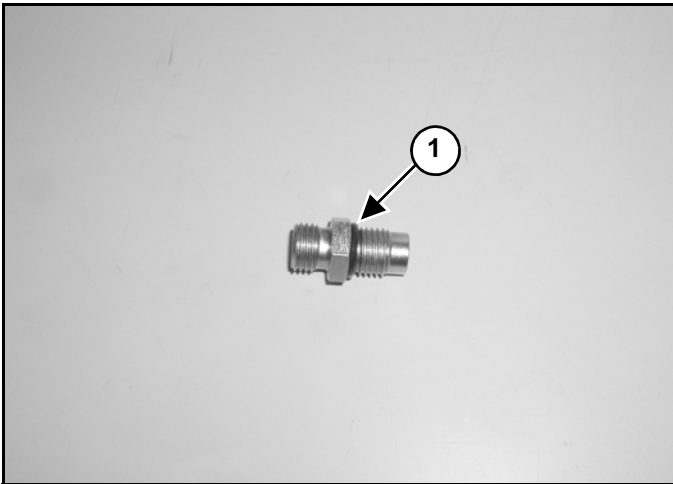
### Disassembly And Assembly (Contíd)

Figure 20-93-7



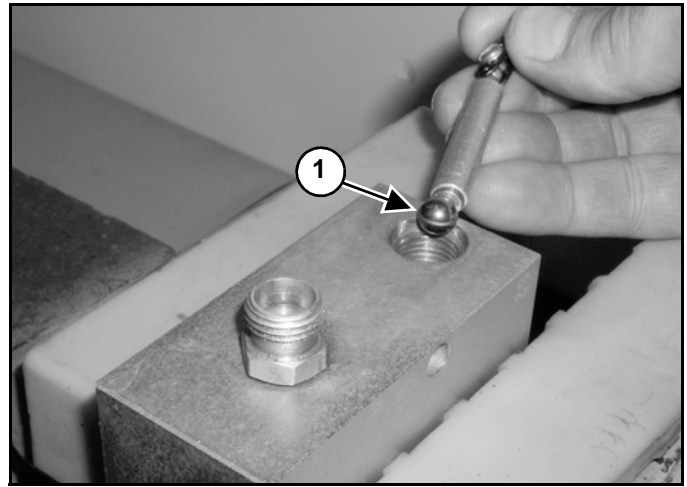
Remove the fitting (Item 1) [Figure 20-93-7] from the S2 port.

Figure 20-93-8



Remove the O-ring (Item 1) [Figure 20-93-8].

Figure 20-93-9



Remove the check ball (Item 1) [Figure 20-93-9].

**NOTE:** Do not remove the fittings from the A, P or S1 ports. The fittings are welded to the valve block. Removing the fittings will damage the block and fittings.

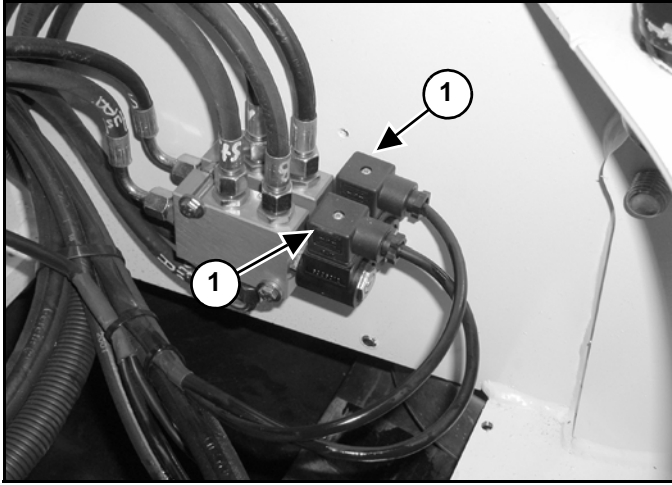
Clean all parts in solvent and dry with compressed air before assembly.

## JOYSTICK CONTROL PATTERN SELECTOR VALVE

### Removal And Installation

Tilt the cab. (See Tilting The Cab on Page 10-160-2.)

Figure 20-100-1

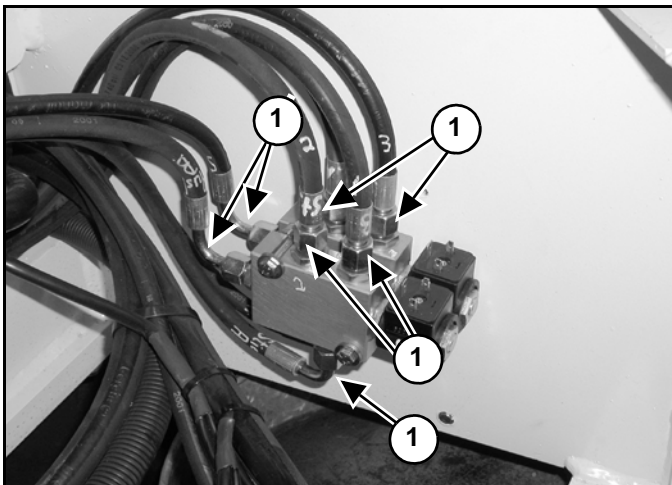


Mark and remove the wire harness (Item 1) [Figure 20-100-1].

## IMPORTANT

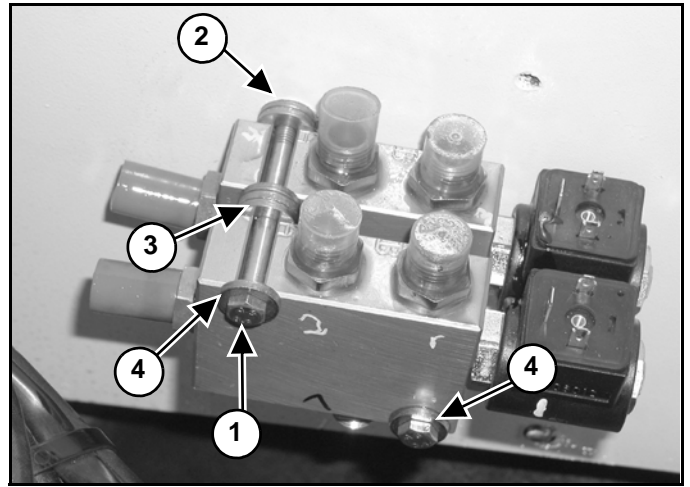
When repairing hydrostatic and hydraulic systems, clean the work area before disassembly and keep all parts clean. Always use caps and plugs on hoses, tubelines and ports to keep dirt out. Dirt can quickly damage the system.

Figure 20-100-2



Mark and remove the 8 hoses (Item 1) [Figure 20-100-2].

Figure 20-100-3



Remove the two bolts (Item 1) [Figure 20-100-3].

**Installation:** Install 2 washers (Item 2) between the frame and valve. Install 3 washers (Item 3) between the valves and install 1 washer (Item 4) [Figure 20-100-3] on the bolts. Tighten the bolts to 6-7 ft.-lb. (8-10 N·m) torque.

**JOYSTICK CONTROL PATTERN SELECTOR VALVE  
(CONT'D)**

**Parts Identification**

- 1 Valve Body**
- 2 Back up Ring**
- 3 O-ring**
- 4 Fitting**
- 5 Spool**
- 6 Coil**
- 7 Nut**

