

# Hydraulics

## Removal

**FIG. 11:** Use a detergent solution and a low pressure spray washer to clean the valve (1) area.

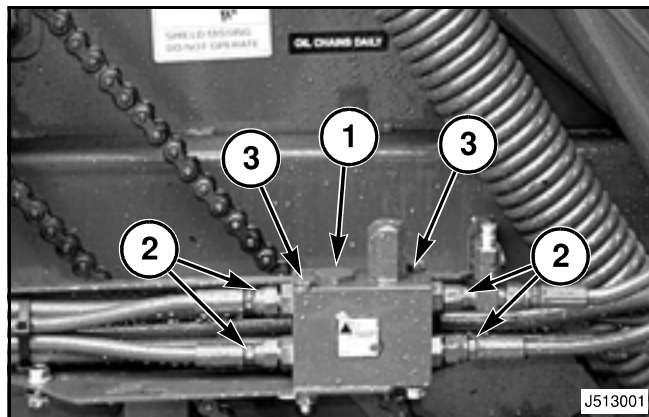
Make sure the tailgate is all the way down and the bale chamber empty. Slowly open the lines to relieve any pressure in the valve.

*NOTE: It is important to keep the parts of the valve clean. Small particles of dirt or lint can prevent the valve from working correctly.*

Fasten identification tags on the hoses (2) connected to the valve.

Disconnect the hoses from the valve. Install plugs in all of the hoses.

Hold the valve and remove the two mounting bolts (3) from the bottom of the valve. Remove the valve from the baler.



**FIG. 11**

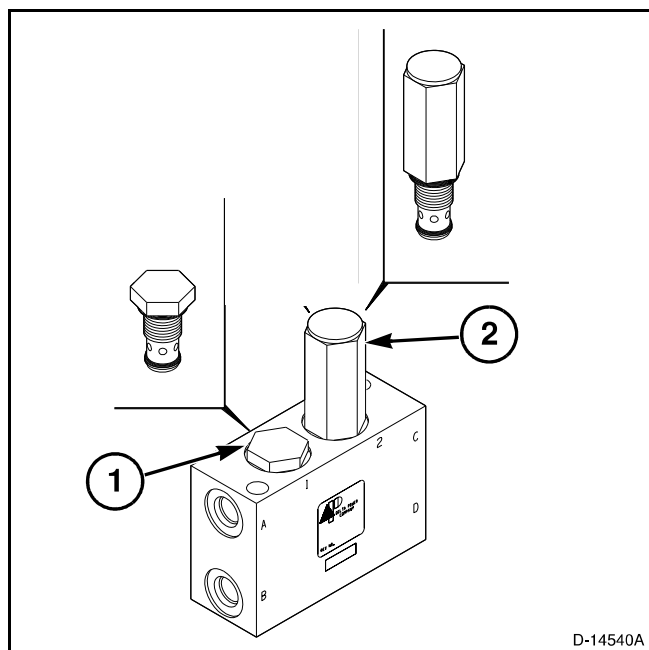
## Disassembly

**FIG. 12:** Make identification tags for each of the components. Fasten the identification tags to the components as the components are removed.

Inspect the O-rings and backup rings when removing the components. If an O-ring or a backup ring is cut, inspect the bore in the valve body for damage.

Remove the reverse check valve (1) from port 1.

Remove the relief valve (2) from port 2.



**FIG. 12**

## Inspection

Wash all of the parts in cleaning solvent.

*NOTE: It is important to keep the parts of the baler control valve clean. Small particles of dirt or lint can prevent the baler control valve from working correctly. Put the parts on clean wax paper and use only lint free paper towels to wipe parts.*

Remove and discard the O-rings and backup rings as you inspect the components. Inspect the O-rings and the backup rings for cuts and damage. All of the backup rings are split for easy installation. If an O-ring or a backup ring is cut, check the bore in the valve body for damage.

Inspect each valve. Replace the valve if there is any wear or damage. Do not disassemble the valves. Disassembling the valves will change the pressure setting.

### Reverse Check Valve (Port 1)

**FIG. 13:** Pull on the poppet. Inspect the poppet and the seat for wear and damage. If the poppet and seat are worn or damaged, replace the check valve. Quickly release the poppet. The spring must pull the poppet onto the seat. If the poppet does not move smoothly, replace the check valve.

Inspect the sides of the pilot piston for scoring and wear and replace as necessary. Also check the bore in the manifold for scoring and wear. If a bore is damaged, replace the manifold.



FIG. 13

### Relief Valve (Port 2)

**FIG. 14:** Check the bore for foreign particles. If there are foreign particles that cannot be removed, replace the pressure reducing valve.

Inspect the O-rings and the backup ring on the relief valve. If an O-ring or a backup ring is cut, check the bore in the valve body for damage.

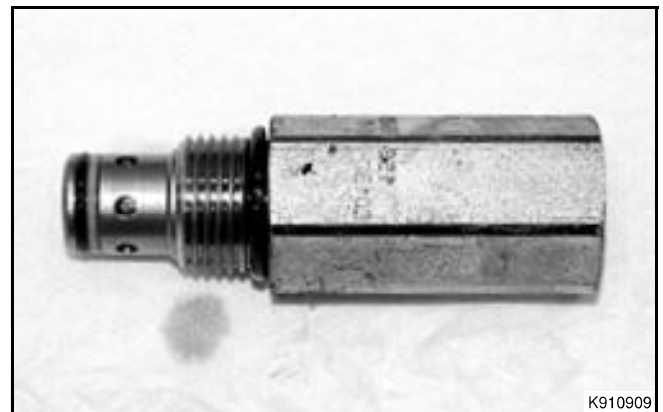


FIG. 14