

Removal and Replacement of the Hydraulic Valve

Prior to removing the hydraulic valve, it is necessary to remove the fender assembly.

CAUTION: Slowly remove the hydraulic lines from the hydraulic valve. Test for pressure in the lines before removal.

1. Place an oil pan directly under the hydraulic valve. This will catch the hydraulic fluid that drains from the lines and the valve.
2. Remove the double valve clamp from the valve body using a 7/16 socket. See figure 1.
3. Remove both hydraulic hose connectors coming from the hydraulic lift cylinder to the valve body. See figure 1.

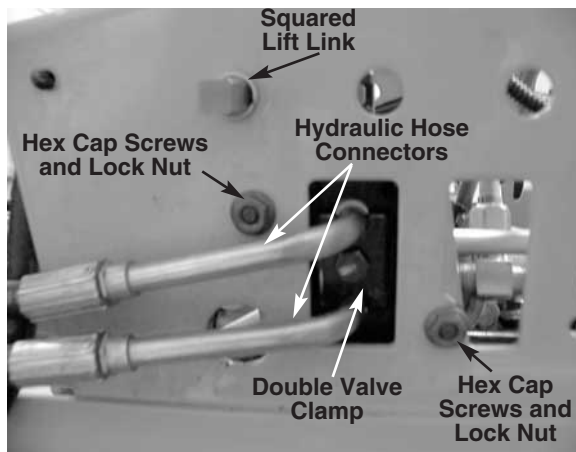


FIGURE 1.

4. Remove the side valve clamp that holds the return tube to the valve body. See figure 2.
5. Remove the hydraulic return tube from the "T" fitting with an 18mm wrench. See figure 2.
6. Remove the hydraulic return tube from the hydraulic valve body. See figure 2.

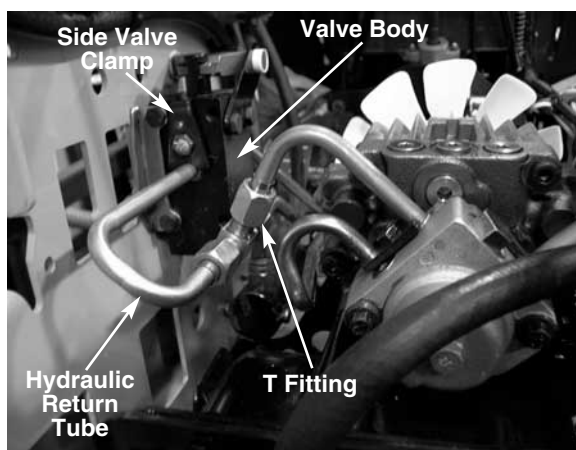


FIGURE 2.

7. Remove the side valve clamp that holds the inlet tube to the valve body using a 7/16 socket. See figure 3.

NOTE: All the hydraulic lines and tubes going into the hydraulic valve ports have two "O" rings on each connector. See figure 4.

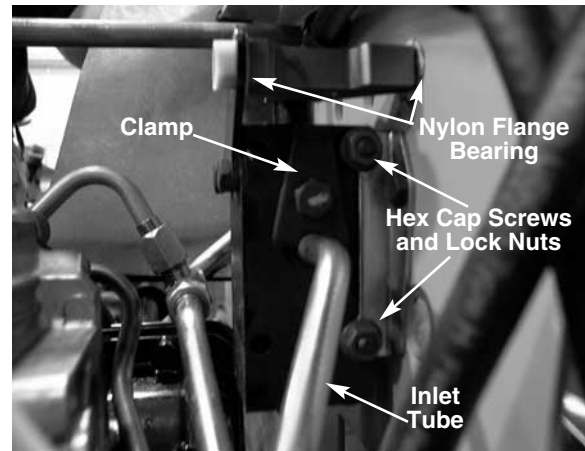


FIGURE 3.

8. Remove both hex cap screws and hex flange lock nuts securing the hydraulic valve to the frame using a 7/16 socket. See figure 1.

NOTE: The hydraulic valve body must be secured to the frame with both screws before the hydraulic tubes can be assembled to the hydraulic valve during reassembly.

9. Pull the hydraulic valve body away from the hydraulic inlet tube slowly.

NOTE: If the hydraulic tube does not want to come out, use a small mallet and tap it out of the port. Be careful not to damage the valve body or the hydraulic tube/s.

10. Remove the valve body from the tractor. See figure 5.

NOTE: Record the correct positions of the nylon flange bearings on the squared lift link. See figure 3.

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11. Inspect the "O" rings for damage. If damaged, replace. See figure 4.
12. Remove all the remaining hardware from the valve body using a 7/16 socket.

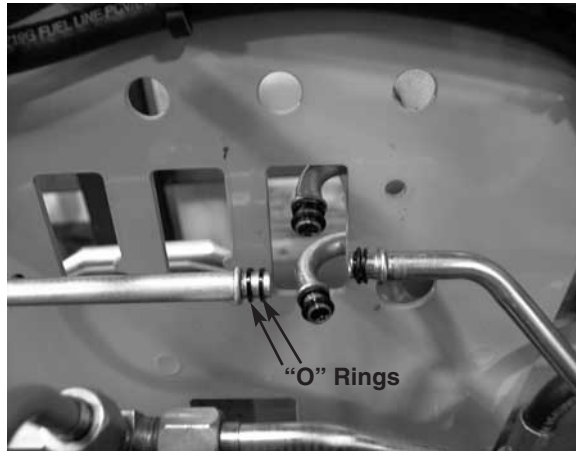


FIGURE 4.

13. Remove the valve mounting brackets. See figure 5.

NOTE: Write down the correct positions of the mounting brackets. The brackets can be installed backwards if not properly marked.

14. Remove the squared lift link.

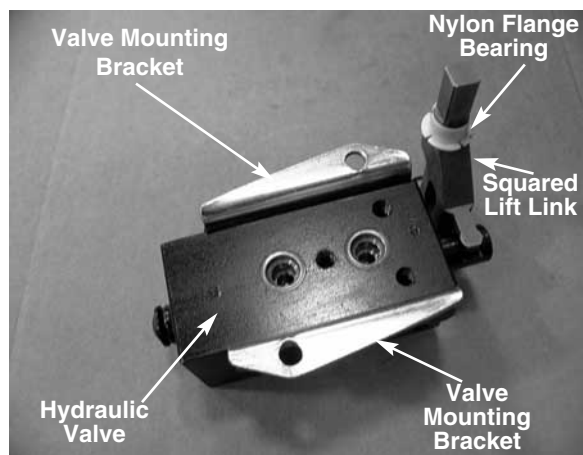


FIGURE 5.

REASSEMBLE THE HYDRAULIC VALVE IN THE REVERSE ORDER ABOVE.