

Domestic Series 5000 Hydraulics

- 9.16. Unbolting the loader valve bracket from the frame of the tractor will provide additional wrench clearance between the pivot bracket and the fender. This can be done with a 1/2" wrench. See Figure 9.16.

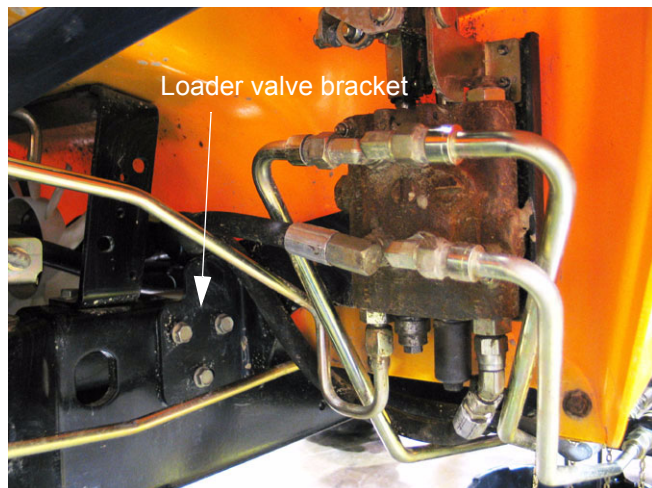


Figure 9.16

- 9.17. It is necessary to unbolt the pivot bracket assembly from the loader valve in order to get a wrench on the relief valve adjustment screw. The pivot bracket can be unbolted using a 3/8" wrench. See Figure 9.17.

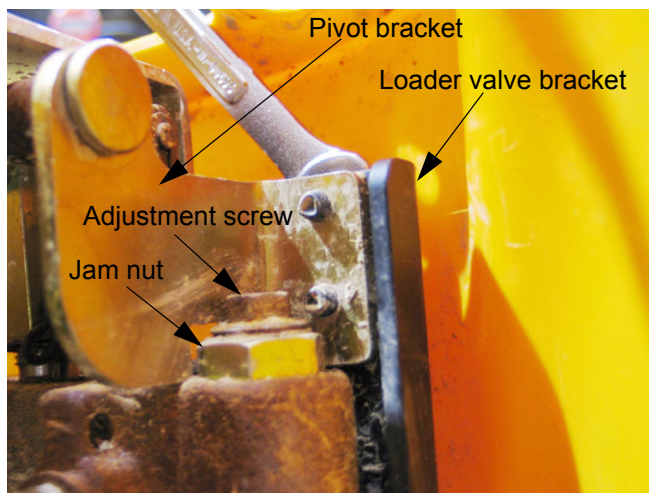


Figure 9.17

- 9.18. Once access is gained to the adjustment screw, index the screw, jam nut, and housing using a marker.
- 9.19. Loosen the jam nut using a 7/8" wrench and turn the adjuster screw using a 7/16" wrench. See Figure 9.19.



Figure 9.19

- 9.20. Make adjustments to the relief valve in single-facet increments:
- Loosen the jam nut.
 - Make adjustment: 1/6th turn or less.
 - Tighten jam nut.
 - Install pivot bracket.
 - Test relief valve pressure.
 - Repeat as necessary.
 - **DO NOT** "crank-up" the pressure beyond 1,500 PSI (103 Bars).
 - Install the fenders when adjustment is completed.
- 9.21. The pressure readings at both sets of ports should respond equally to adjustments made to the relief valve. If there is substantial difference between the pressures found at the two sets of ports, there is an internal problem with the loader valve.
- 9.22. If the loader valve does not respond to adjustment, or does not perform as described in this section:
- Confirm that the pressure delivered to the loader valve is adequate, and if not, why not. -or-
 - Replace the valve.