

Domestic Series 7000 Hydraulics

- 10.7. While holding the loader valve lever forward, close the flow valve on the test kit. Because there is a pressure relief feature in the loader valve, the pressure should rise to 1,500 PSI (103 Bars) and hold steady. See Figure 10.7.

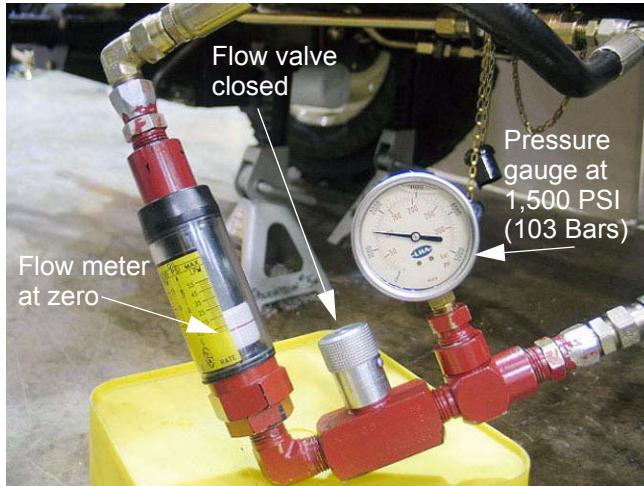


Figure 10.7

NOTE: Because of the relief feature built into the loader valve, as pressure approaches the relief point of 1,500 PSI (103 Bars) more fluid will be diverted to the return manifold. As more fluid is diverted, the flow meter will show progressively lesser readings. If the flow valve on the test kit is closed completely, flow will stop completely.

CAUTION: If pressure rises substantially above 1,500 PSI (103 Bars) discontinue the test immediately. Correct the pressure relief issue before continuing.

- 10.8. If the pressure varies slightly in either direction, the relief valve can be adjusted. It is located on the top, outboard corner of the loader valve.
- 10.9. In order to adjust the relief valve, it is necessary to remove the fenders. The fender removal process is described in detail in the 2003 Cub Cadet Technical Handbook, page 6-21 through page 6-26.

- 10.10. 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 10.10.

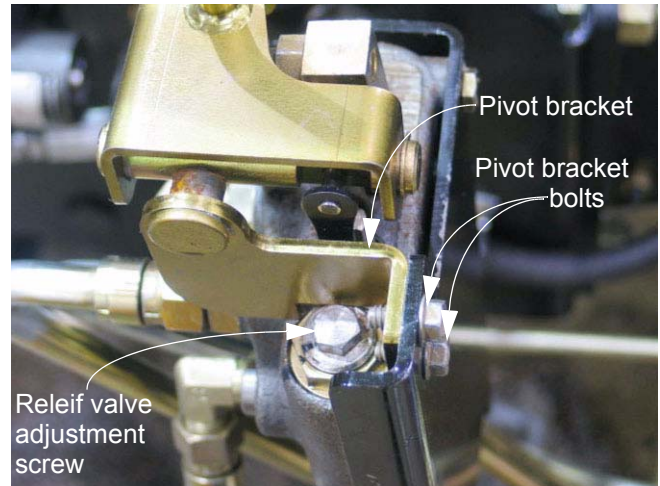


Figure 10.10

- 10.11. The pivot bracket bolts are inaccessible without removing the fender. See Figure 10.11.

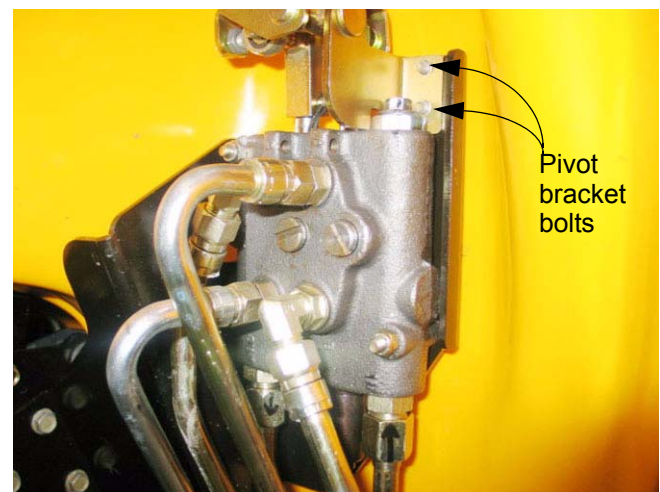


Figure 10.11

- 10.12. Once access is gained to the adjustment screw, index the screw, jam nut, and housing using a marker.