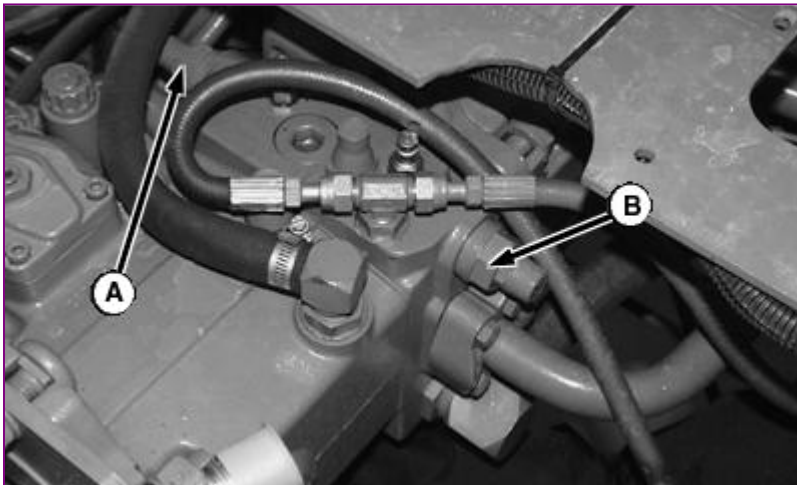


TM1393 - 4930 Self-Propelled Sprayer Diagnosis and Test Adjust Hydrostatic Forward High Pressure

Adjust Hydrostatic Forward High Pressure



1. N69375-UN: Jumper Hoses and Ports Shown

LEGEND:

A - Reverse High Pressure Relief Valve

B - Forward High Pressure Relief Valve

Connect 6 m (20 ft) jumper hoses to diagnostic receptacle on the left rear motor and the left front motor diagnostic receptacle.

2. Route jumper hoses to cab and install a 68,950 kPa (10,000 psi) gauge on each jumper hose.

Item	Measurement	Specification
Forward High Pressure		
Hydrostatic Pump	Pressure	48,000 ± 690 kPa (6960 ± 100 psi)

3. Disconnect crossover lines and plug hoses.
4. Start engine and run at low idle until oil is at operating temperature.
5. To adjust forward pressure limiter valve setting, remove dust cap on left-hand side of pumps and loosen small lock nut (B) on front pump and same valve and position on rear pump.

6. **NOTE:**

One turn of adjusting screw will change pressure setting approximately 15,170 kPa (2200 psi).

Turn adjusting screw using a wrench:

- Turn plug clockwise to increase charge pressure.
- Turn plug counterclockwise to decrease pressure.

7. With the hydro lever in neutral position, operate engine at high idle.

8.



If brakes are worn they may not be able to hold machine. Block wheels or chain machine down before test.

Press emergency brake switch to hold machine and apply the service brakes. Move hydro lever to forward position for approximately 10 to 15 seconds. Record pressure gauge readings.

9. Repeat steps until specified pressure setting for forward limiter is obtained.
 10. Stop engine. While holding adjusting screw, tighten lock nut. Install dust cap.
 11. Remove test gauges.
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