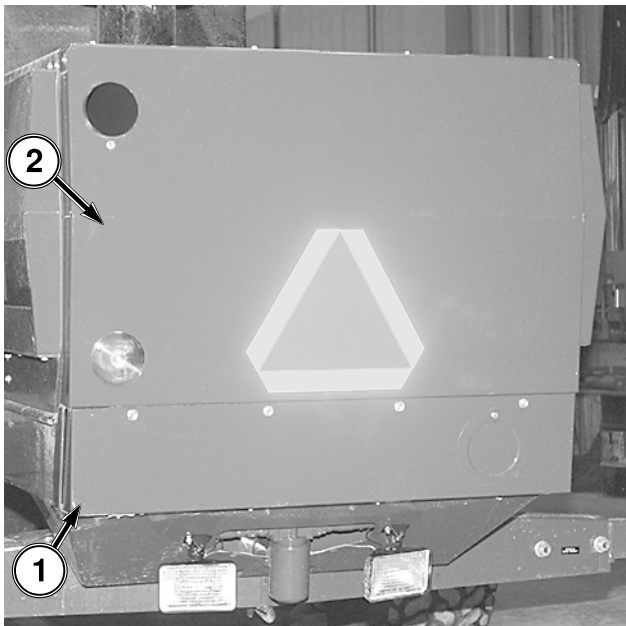


## HEADER PUMP PRESSURE TESTS AND ADJUSTMENTS

### Pressure Differential Adjustment

See the safety warnings at the beginning of this section and follow the procedures.

1. Park the machine on a solid level surface and lower the header all the way.
2. Stop the engine and apply the parking brake. Make sure the steering wheel is centered and locked.
3. Remove the access cover for the header pump. Remove the upper shield from the rear of the machine.



85WT-96084-40

1. Header Pump Access Cover
2. Upper Shield

4. Clean the area around the header pump, flow control valve, and load sensing valve.

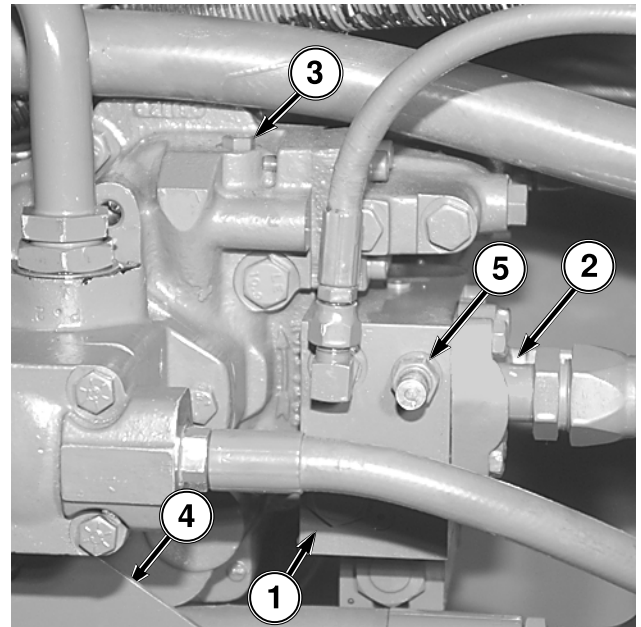
5. Connect a 5000 psi pressure gauge to the header pump pressure circuit.

*NOTE: When starting the engine, the header pump pressure can spike above 4000 psi (27 580 kPa). Pressure gauges of 5000 psi must be used so the pressure gauge is not damaged.*

If your machine has a port on the side of the flow control valve between the mounting cap screws, install the pressure gauge in this port. This port requires a 9/16-18 O-ring fitting.

If there is not a port on the side of the flow control valve, connect the pressure gauge to the top or bottom port on the header pump. These ports require a 10 mm fitting.

*NOTE: It can be necessary to remove the rear pump support bracket to connect the pressure gauge to the bottom port.*



85WT-96085-35

1. Flow Control Valve
2. Port on Side of Flow Control Valve (if equipped)
3. Top Port
4. Bottom Port
5. Load Sensing Port (quick coupler)

6. Connect a 5000 psi pressure gauge to the load sensing port at the rear of the flow control valve. This port has a quick coupler.

7. Have another person start the engine. DO NOT engage the header. Increase the engine speed to half throttle.

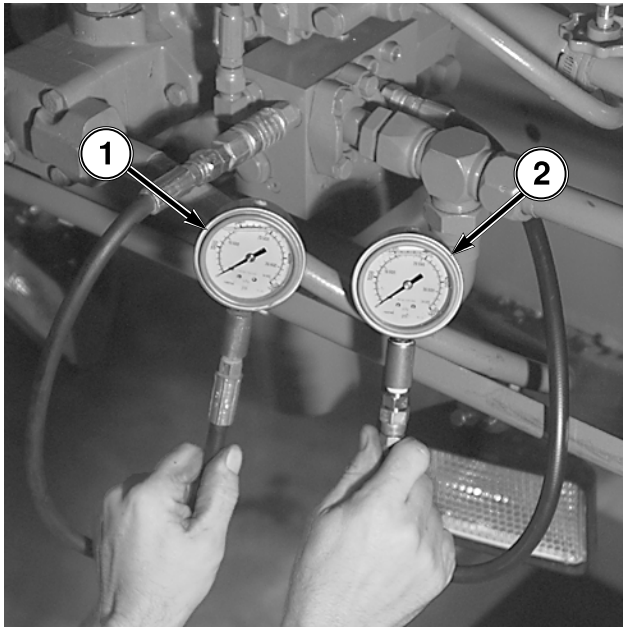
8. Look at the pressure gauge that is connected to the port in the side of the flow control valve or to one of the ports on the header pump. The pressure gauge must indicate 280 to 300 psi (1931 to 2069 kPa) of standby pressure.

If the pressure gauge indicates the correct standby pressure, continue the procedure at Step 11.

If the pressure gauge does not indicate the correct standby pressure, do the next step.

*NOTE: The following photo shows both pressure gauges connected to ports in the flow control valve. It is possible that your machine does not have the port on the side of the flow control valve.*

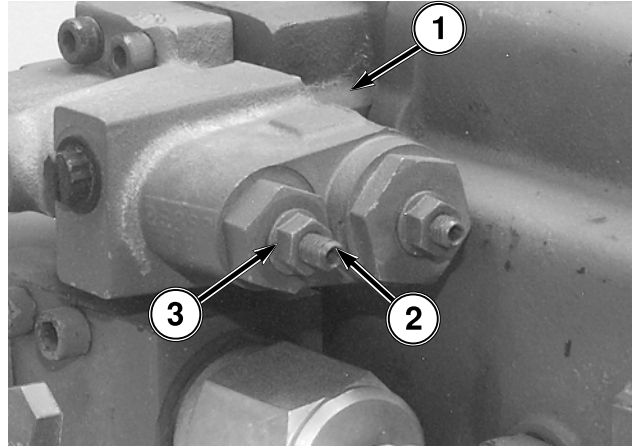
*NOTE: The pressure gauge connected to the quick coupler at the rear of the flow control valve will indicate 0 psi.*



85WT-96085-34

1. Load Sensing Pressure - 0 psi
2. Standby pressure - 280 to 300 psi (1931 to 2069 kPa)

9. Adjust the load sensing screw to get the correct standby pressure. The load sensing screw is the outside screw on the load sensing valve. Use an allen wrench to hold the load sensing screw and loosen the lock nut.



85WT-96085-66

1. Load Sensing Valve
2. Load Sensing Screw
3. Lock Nut

10. Make sure the header is NOT engaged and the engine is running at approximately half throttle. Rotate the load sensing screw in, to increase the standby pressure and out, to decrease the standby pressure.

Rotate the load sensing screw until approximately 280 to 300 psi (1931 to 2069 kPa) is indicated on the pressure gauge. Hold the load sensing screw and tighten the lock nut.

*NOTE: Changing the standby pressure can change the header disc speed.*