

Date: 08 June, 2000

Models: MX Series (12900 - 14000)

Subject: Gradeability

Symptom:

Low gradeability.

Probable Cause:

Main Relief Valve set to low.

Possible Solution:

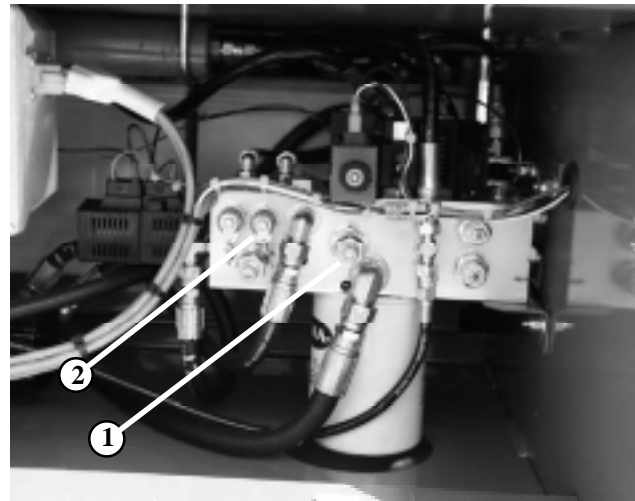
- Adjust the Main Relief Valve setting per the procedure listed below.

Adjustment Procedure:

1. Remove the hose at port L (lift) using a blanking cap, cap the port at the Main Valve Block.
2. Plug a 0-3500 psi Gauge into port G2. See Figure 1.
3. Select chassis controls on the Lower Control Panel.
4. Energize the machine and select lift from the lower controls.

NOTE: The machine will not lift, however the motor should engage and the pressure gauge should show the Main Relief Valve pressure setting

5. Loosen locknut or remove cover on the Main Relief Valve.
6. Slowly turn the main relief valve adjusting screw (CW to increase, CCW to decrease) until the pressure gauge reads 3000 psi.
7. Torque Main Relief Valve locknut to 2 Ft. Lbs.
8. Perform a complete Pre-Operation and Safety Inspection as instructed in the Operator Manual.



1. Main Relief Valve
2. Gauge Port 2 (G2)

Figure 1