



ROUTINE JACK MAINTENANCE BULLETIN

RJM 187

1 OF 2

TO PROVIDE COMPLETE INFORMATION ON SERVICING ColumbusJACK/REGENT QUALITY GROUND HANDLING EQUIPMENT

PROCEDURE FOR TESTING AXLE JACKS WITHOUT A JACK TESTER

It is imperative that safety relief valve(s) on all Axle Jacks be set in accordance with the following procedure when a jack tester is not available. (Refer to jack Operation and Maintenance Manual)

1. Open release valve and fully collapse rams.
2. Check fluid level in reservoir and fill as required.
3. Remove pressure hose from cylinder assembly. Note: Use lower hose on double-acting cylinders.
4. Attach a calibrated pressure gauge (0-10,000 psi) to the end of the pressure hose.
5. Close release valve.
6. Operate pump until jack operating pressure (from manual) is indicated on pressure gauge.

CAUTION

**RELIEF VALVE PRESSURE SHOULD NOT EXCEED 10%
ABOVE OPERATING PRESSURE OF THE JACK.**

7. Verify relief valve pressure setting and adjust per manual as required.
NOTE: Some jacks contain separate relief valves for each hand pump piston and the air pump. Each relief valve must be individually set.
8. When each relief valve has been set, open release valve and remove pressure gauge from end of hose. Re-install hose to cylinder assembly.
9. Close release valve and partially extend rams. Open release valve and collapse rams.
10. Repeat step 9 several times to completely bleed any trapped air from the system..
11. Close release valve and fully extend rams.

CAUTION

**IT IS NOT RECOMMEND TO LOAD TEST RAMS
AGAINST THEIR INTERNAL STOP.**



ROUTINE JACK MAINTENANCE BULLETIN

RJM 187

2 OF 2

TO PROVIDE COMPLETE INFORMATION ON SERVICING ColumbusJACK/REGENT QUALITY GROUND HANDLING EQUIPMENT

12. Verify that there is no leakage with the rams extended. O-rings will leak more under little or no pressure if damaged. Therefore, if a ram piston o-ring is damaged, it will leak when a ram is extended under no load. Replace any damaged o-rings.
13. Fully extend screw extension.
14. Using a rag with clean hydraulic oil, wipe the exposed rams and screw extension.
15. Open the release valve and fully collapse the rams. Lower the screw extension and place the cylinder rain hat into position.
16. The jack is now ready for service.