



ROUTINE JACK MAINTENANCE BULLETIN

RJM 142

1 OF 2

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

PROCEDURE FOR TESTING RHINO JACK SERIES 5923

It is imperative that the safety relief valves on Series 5923 be set in accordance with the following procedure:

- 1) Position jack under jack tester.
- 2) Fully close release valve.
- 3) Remove access screw and seal. Install valve adjusting tool, RMI Part No. 916-EB. (See figure)

NOTE: IF TOOL IS NOT AVAILABLE, DISREGARD THIS STEP.

- 4) Raise lifting arm until cup adapter is 8 inches (203 mm) above the ground while supporting 45 tons from the jack tester.
- 5) To set 915-16A-6 Valves:
 - 5.1 Manually pressurize the cylinder while monitoring either jack load gauge or load gauge on tester.
 - 5.2 Pump handle shall "drop" or "go soft" at an indicated load between 45 and 49 tons.
 - 5.3 If safety relief valve is set too high, release pressure and rotate adjusting screw counterclockwise. Repeat above steps until valve is adjusted in range.
 - 5.4 If safety relief valve is set too low, release pressure and rotate adjusting screw clockwise. Repeat steps until valve is adjusted in range.

NOTE: IF ADJUSTING TOOL IS NOT AVAILABLE, IT IS NECESSARY TO RELIEVE PRESSURE COMPLETELY BEFORE REMOVING VALVE ACCESS SCREW AND SEAL. THEN VALVE SET SCREW CAN BE ADJUSTED USING A 1/8 INCH ALLEN WRENCH. VALVE ACCESS SCREW AND SEAL MUST BE RE-INSTALLED BEFORE JACK CAN BE RE-PRESSURIZED.

- 5.5 After manual safety relief valve is adjusted, repeat above steps for air pump if applicable.



ROUTINE JACK MAINTENANCE BULLETIN

RJM 142

2 OF 2

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

PROCEDURE FOR TESTING RHINO JACK SERIES 5923 (CONTINUED)

6) To set 915-16A-3 Valves (If jack is not equipped with Air Pump):

6.1 Set as defined in 5.1 thru 5.4, except valve shall be adjusted at an indicated load between 14 and 18 tons.

7) After testing is complete, fully lower lifting arm. Partially remove allen wrench by pulling it straight out, then remove valve adjusting tool. Install access screw and seal. Jack is now ready for service.

NOTES:
ACTUAL PUMP CONFIGURATION
VARIES WITH JACK MODEL

