



ROUTINE JACK MAINTENANCE BULLETIN

RJM 173

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

PRESSURE/LOAD GAUGE INFORMATION AND CALIBRATION PROCEDURE

Pressure/Load Gauges are provided on equipment as requested by the customer to give an approximate indication of the load being applied to the unit. All gauges are calibrated at the factory and each gauge includes a special dual-scale face that has been designed and calibrated for the specific unit application. The gauge face indicates both the internal cylinder pressure and the approximate corresponding load in U.S. tons and/or pounds. When multiple stage cylinders are being used, a separate load scale for each stage is provided on the face.

Gauge calibration requirements will vary depending upon the type of unit and the frequency and conditions of operation. In general, axle jack gauges should be calibrated every 6 months, tripod jack gauges should be calibrated every 12 months and testers should be calibrated every 6 months. A recommended gauge calibration procedure is as follows:

1. Remove the gauge from the unit and visually inspect it for any damage.
2. Install the gauge with a master gauge and pumping unit, Model 7172-010 or equivalent.
3. Using the outer pressure scale on the unit gauge, calibrate the gauge as required against the master gauge. NOTE: All gauges supplied have an accuracy of 0.5% of the full scale rating of the gauge (Grade 2A, ANSI B40).
4. Install the gauge on the unit.
5. Cycle the cylinder several times to bleed any entrapped air which may have entered the hydraulic system during gauge removal and installation.
6. The unit is now ready for operation.