



ROUTINE JACK MAINTENANCE BULLETIN

RJM 210

1 OF 2

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

PROCEDURE FOR ADJUSTING RELIEF VALVE IN 5033-010 BEAD BREAKER

It is imperative that the safety relief valve on the Model 5033-010 Bead Breaker be set correctly to prevent damage to the unit. The following procedure describes how to adjust this relief valve:

- 1) Fully close release valve.
- 2) Remove access screw and gasket. Install valve adjusting tool, Part No. 915-EB. (See Figure 1)

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

- 3) Operate foot pump until both rams are fully extended to their stops.
- 4) Using a scale, measure the force required until the pump pedal "drops" or "goes soft" indicating the relief valve is bypassing. This force should be between 50 and 70 pounds.
- 5) If safety relief valve is set too high, release pressure and rotate adjusting screw counterclockwise. Repeat above steps until valve is adjusted in range.
- 6) 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 GASKET. THEN VALVE SET SCREW CAN BE ADJUSTED USING A 1/8 INCH ALLEN WRENCH. VALVE ACCESS SCREW AND SEAL MUST BE RE-INSTALLED BEFORE PUMP PEDAL CAN BE RE-PRESSURIZED.

- 7) After testing is complete, fully collapse ram(s). Partially remove allen wrench by pulling it straight out, then remove valve adjusting tool. Install access screw and gasket. Bead Breaker is now ready for service.



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Figure 1

