

REPLACING BRUTE X-PANDER PUMP JACK



- USING A 3/16" HEX (ALLEN) WRENCH, REMOVE THE #4 SAE ORING BOSS FILL PLUG ON THE TOP OF THE MANIFOLD. THE FILL PLUG IS LOCATED NEAR THE RIGHT FRONT OF THE BLOCK (SEE PICTURE ABOVE)
- REMOVE THE PUMP JACK USING A 1-3/8" WRENCH.
- INSTALL THE NEW PUMP JACK (P/N MK2329) AND TORQUE TO 45 FOOT POUNDS.
- PLACE A 1/4- 3/8" SHIM UNDER FRONT EDGE OF THE BASE SO THE FILL PORT IS SLIGHTLY HIGHER THAN THE REST OF THE BODY.
- OPERATE JACK AND STROKE CYLINDER IN & OUT. DO NOT PRESSURIZE OVER 1000 PSI UNTIL AIR IS PURGED OUT.
- FULLY EXTEND AND JACK TO END OF STROKE.
- RETRACT CYLINDER AND PRESSURIZE TO 2000 PSI AND CHECK FOR PRESSURE HOLDING.
- EXTEND TO CHECK FOR CHECK VALVE RELEASE. (YOU WILL HEAR IT MAKE AN AUDIBLE "CLICK".)
- RETRY AT 3000 PSI, THEN 4000 PSI AND FINALLY 5000 PSI. CHECK VALVE SHOULD NOT LOSE MORE THAN 200 PSI IN 5 MINUTES.
- EXTENDING SHOULD TAKE FROM 12-15 STROKES, RETRACTING SHOULD BE 60-65 FULL STROKES.
- FINAL FILL RESERVOIR WITH ROD FULLY RETRACTED. USE "MYSTIK HYDRAULIC JACK OIL" OR EQUIVALENT.
- JACK PUMP TO FULLY EXTEND THE ROD.
- PLUG RESERVOIR WITH ROD FULLY EXTENDED. (REQUIRED TORQUE FOR THE # 4 FILL PLUG IS APPROXIMATELY 100 INCH POUNDS.)
- THE TRAPPED AIR MAY CAUSE PUMP HANDLE TO RISE WHEN CYLINDER IS RETRACTED DUE TO TRAPPED AIR. THIS AIR HELPS FEED THE PUMP OIL WHEN EXTENDING.
- TEST FOR PROPER OPERATION AND FULL STROKE.

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