MMH-TSB-001 Mobile Mud Hog® Hydraulic Pressure Test

Pressure Test

1) Use a 1” wrench to disconnect bottom hydraulic hose going into the hydraulic motor and both hydraulic hoses from cylinder.
2) Connect *MH-A-68* **Test Gauge for Hydraulic Motor** to hydraulic motor and reconnect hydraulic hose to other end.
3) Connect *GH-A-52* **Test Gauge for Hydraulic Cylinders** to cylinder and reconnect hydraulic hoses to other end.
4) Open (counter clockwise) the needle valve completely.
5) Connect **Mobile Mud Hog®** to skid steer and start skid steer.
6) Engage the skid steers forward (gate closed) auxilary hydraulics while watching the gauges on the cylinder.
7) Read the bottom cylinder gauge. Gauge should read 1200 psi. If not adjust as instructed below.
8) Engage the skid steers reverse (gate open) auxilary hydraulics while watching the gauges on the cylinder.
9) Read the top cylinder gauge. Gauge should read 1200 psi. If not adjust as instructed below.

Note: The gauge will not hold pressure and needs to be read at the highest pressure.

10) With the auxilary hydraulics engaged, slowly close (clockwise) the needle completely.

Note: This will cause a “Squeal” to come from the skid steer. This is normal.

11) Read the motor gauge. Gauge should read 1800 psi. If not adjust as instructed below.
12) If set correctly remove all gauges from Mobile Mud Hog® and check for leaks.

Cylinder Sequence Valve Adjustment

1) Detmine which **Sequence Valve** needs adjusted. For cylinder extend adjust the left **Sequence Valve**. For cylinder retract adjust the right **Sequence Valve**.
2) Use a 5/16” hex wrench to hold the adjustment while using a 3/4” wrench to loosen jam nut.
3) Turn the adjustment clockwise for more pressure and counter-clockwise for less.
4) Retest cylinder pressure as shown above.
5) When desired pressure is reached, hold the **Sequence Valve** adjustment with the hex wrench and tighten the jam nut with the 3/4” wrench.
6) Check that the sequence pressure is still set correctly. If not repeat Steps 1-5.

Motor Relief Valve Adjustment

1) Use a 5/16” hex wrench to remove cap on **Relief Valve**.
2) With the skid steer connected to the MMH14, the auxilary hydraulics engaged, and the needle valve closed use a 1/4” hex wrench to adjust the relief valve. Turn the adjustment clockwise for more pressure and counter-clockwise for less.
3) When desired pressure is reached, reinstall the cap on the **Reliaf Valv**e.
4) Check that the relief pressure is still set correctly. If not repeat Steps 1-3.