TECH TIPS

Service Call:

No drive and boom functions are slow / not working

Tools Needed:

0 - 3500 PSI Pressure gauge
9/16 Wrench
5/32 Allen wrench
7/16 Wrench

Model:

All 6/8K - REV3 10K

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TECH TIPS

Tech Tips Safety Rules

Danger

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

Do Not Perform Maintenance Unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
  - manufacturer's instructions and safety rules
  - employer's safety rules and worksite regulations
  - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

Step 1

Verify the revision level of the machine. A Rev3 10K is pictured on the right. The Rev3 10K has two frame leveling cylinders on the front of the machine.

The Rev4 10K has one frame leveling cylinder on the front.

The Rev4 10k is not covered in this Tech Tip.

Step 2

Check the pilot pressure.

The hydraulic test ports are located at the right rear corner of the unit.

Removal of the side screens may be necessary to access the test ports (7/16 wrench and 9/16 wrench).

Step 3

With the machine turned off and the parking brake set, connect a 0 - 3500 PSI pressure gauge to the pilot system test port.

For model numbers 636, 644, 842, and 844 use port # 3
For model numbers 1048 and 1056 use port # 5

Step 4

Make sure unit is on level ground and the parking brake is set. Start the unit and allow the engine to idle until the engine has reached normal operating temperature. Check the hydraulic pressure at the test port.

Models 636, 644, 842, and 844 should have a pressure reading of 500 psi at port number 3.

Models 1048 and 1056 should have a pressure reading of 400 psi at port number 5.

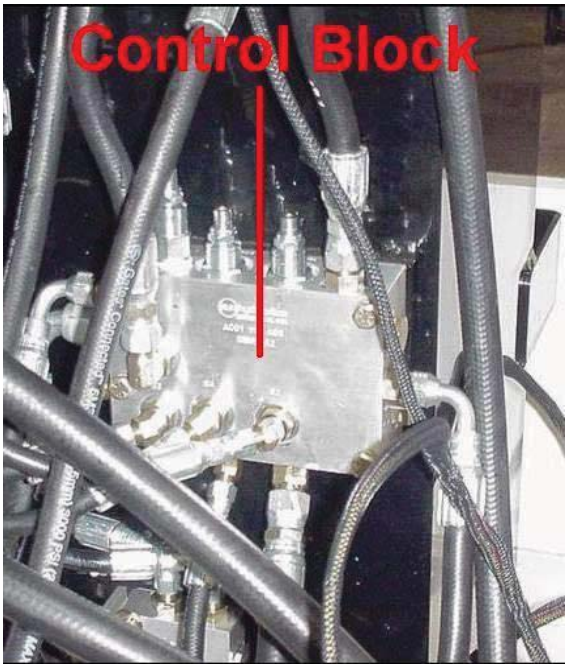
If the pressure is not at the required setting as referenced above, shut down the machine on level ground, apply the parking brake, and proceed to step 5 to make the necessary adjustments.

If the pressure is good, but you have no drive and slow or no boom functions, shut down the machine on level ground, apply the parking brake, and contact the technical service department at 1-866-684-1457.

Step 5

Remove the side screen on the left rear of the machine and locate the control block on the hydraulic tank.

The pilot pressure cartridge is in the center on the control block.



Step 6

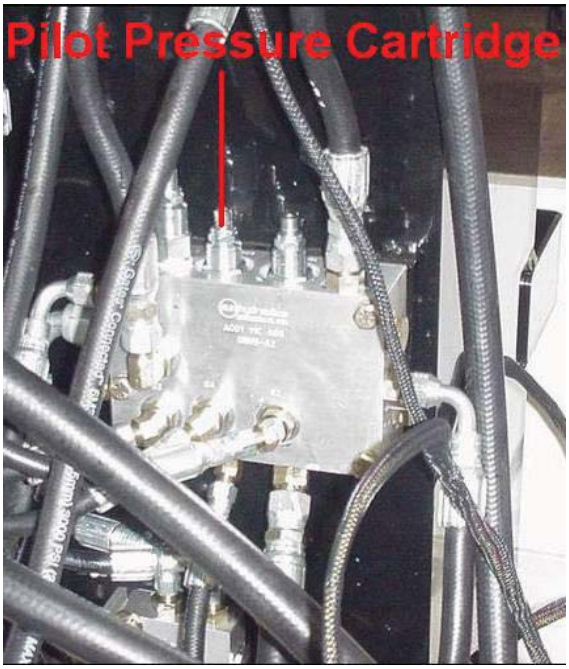
Locate the pilot pressure cartridge.

Make sure unit is on level ground and the parking brake is set. Start up the machine and leave the engine idling. Loosen the jam nut on the pilot pressure cartridge (9/16 wrench).

To increase the hydraulic pressure turn the allen set screw clockwise (5/32 allen wrench).

To decrease the hydraulic pressure turn the allen set screw counter-clockwise (5/32 allen wrench).

Note:
If the pressure will not set, replace the cartridge with part number 7-234-13.



Step 7

With the pressure set properly, shut down the machine on level ground and apply the parking brake. Remove the pressure gauge. Once the pressure gauge has been removed, turn the machine back on and perform drive and boom function tests.

If all functions are performing normally, shut down the machine on level ground, set the parking brake, reinstall the screens, and return the unit to service. If not, starting at step 1, perform the same steps and contact the technical service department at 1-866-684-1457.