

TECH TIPS

Service Call:

Hard Steering / No Steering

Tools Needed:

0-3000 PSI Pressure gauge
9/16 Wrench
5/32 Allen wrench
7/16 Wrench

Model:

All 6/8k - Rev3 10K



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.



Step 1

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

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

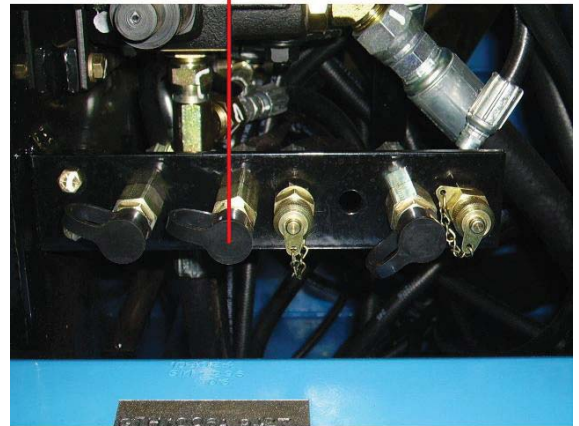


Step 2

Check the steering pressure on the unit.

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)

Port #2 on All Rev3 10K Models



Step 3

Connect a 0 - 3000 PSI pressure gauge to the steering system test port.

The illustration above shows the location of Port #2 on all Rev3 10K models.

The illustration on the right shows the location of Port # 2 on all 6-8K models.

Start the unit and allow the engine to idle.

Port #2 on All 6/8K Models



Step 4

While the engine is running, check the pressure reading on the gauge. On all models the pressure reading should be 2250 psi.

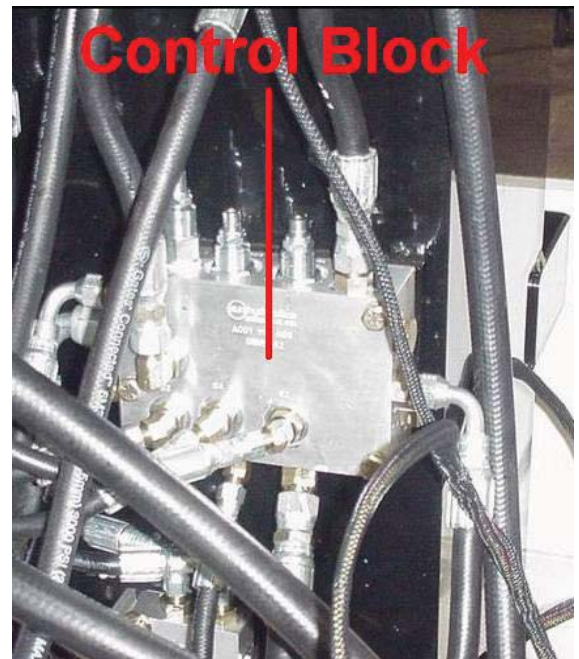
If the pressure reading is not 2250 psi, continue on to step 5.

If the pressure reading is 2250 psi, and you have hard/no steering, please contact the technical service department at 1-866-684-1457.



Step 5

To locate the steering pressure cartridge first remove the side screen on the cab side of the unit. Next look for the control block on the hydraulic tank. The steering pressure cartridge is the right hand cartridge on the control block.

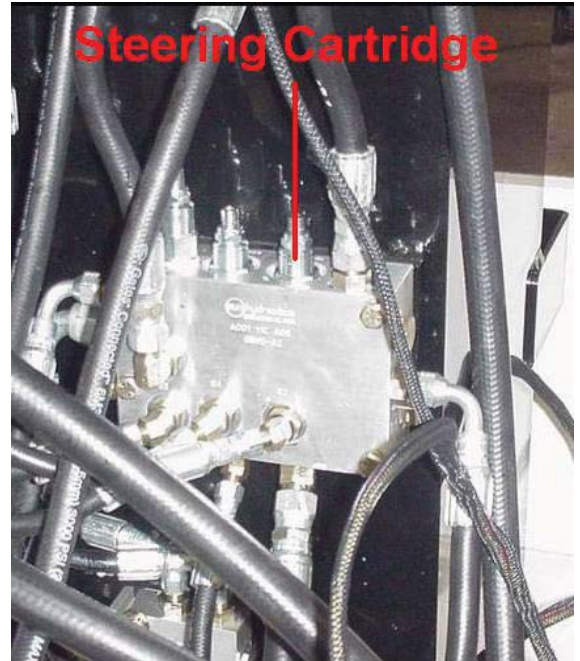


Step 6

With the engine idling, loosen the jam nut (9/16 wrench). To increase the pressure turn the allen set screw (5/32 allen wrench) clockwise. To decrease the pressure turn the allen set screw counter-clockwise.

Set the pressure to 2250 psi.

If the pressure will not set, replace the cartridge with part number 7-234-28.



Step 7

With the pressure now set to 2250 psi, check to see if the steering works properly.

If the steering issues have been resolved, shut the unit down, remove the pressure gauge, and reinstall the side screens. The unit can be returned to service.

If the steering still does not function properly, contact the technical service department at 1-866-684-1457.