

TECH TIPS

Service Call:

Z4525IC- Slow or no functions

Tools Needed:

Hydraulic gauge
3/4" wrench
7/8" wrench
Absorbent Rags

Model:

Z45/25IC



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.

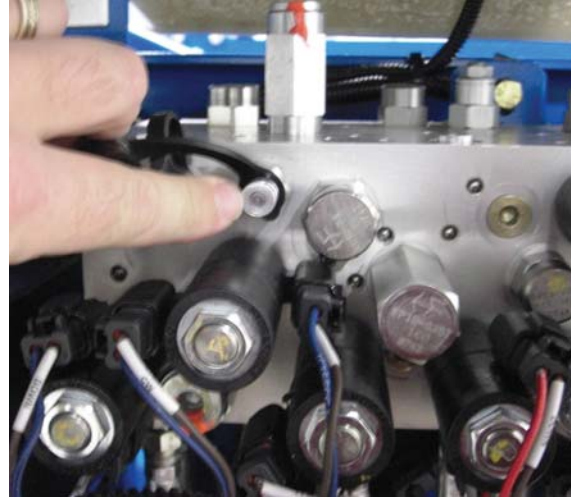
Do Not Perform Maintenance Unless:

- 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

Locate the test port on the manifold (Test 1).



Step 2

Connect test gauge to test port (Test1).



Step 3

Start engine and read stand-by pressure.

Pressure should be approximately 300psi.



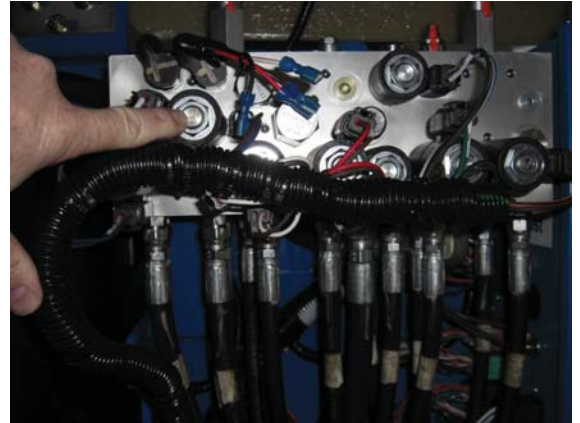
Step 4

If standby pressure is approximately 3200PSI while idling and no functions are working, note whether the steer wheels are turned fully left or right.



Step 5

If the wheels are fully left or right, check for stuck steer valve.



Step 6

Stop the engine by depressing the emergency stop switch or placing the key switch in the center position.

Remove the nut on the coils using 3/4" wrench.



Step 7

Remove valve using 7/8" wrench and check for debris in the valve. If no obvious issues are observed, replace valve and reinstall (torque to 25 ft-lb).

Replace coils and connect wires.



Step 8

Start the engine. If standby pressure is 300PSI and the unit exhibits no or slow functions, deadhead boom retract and attempt to operate a function.



Step 9

If function works we need to look at the extend and retract valves for blown O-rings.



Step 10

Stop the engine by depressing the emergency stop switch or placing the key switch in the center position.

Remove the coils using 3/4" wrench.



Step 11

Remove valve using 7/8 wrench



Step 12

Check valve for blown O-ring.
(picture shows o-rings in place)



Step 13

Picture showing missing O-ring.



Step 14

Replace O-rings or valve and reinstall (torque to 20 ft-lb).

Replace coils and install wires.



Step 15

Start the engine and test functions. If the issue is corrected, functions will operate properly. If further troubleshooting is required, contact Genie Industries Service Department at 800.536.1800 or 425.881.1800.