

# TECH TIPS

Service Call:

**Z80 Secondary up/extend Relief  
pressure settings**

Tools Needed:

5000 psi gauge  
Hex wrench

Model:

**Z80**



## 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.

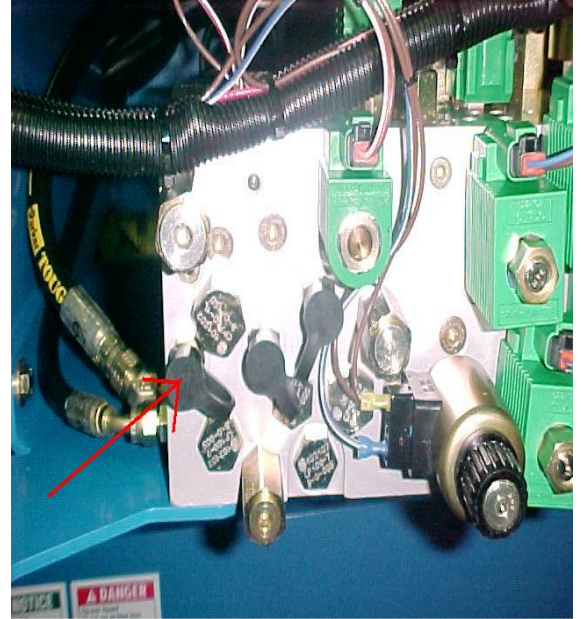
### **Do Not Perform Maintenance Unless:**

- 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

Attach a 5000 psi gauge to manifold pressure port location as indicated in the photo to the right. Raise the secondary boom to almost full height.



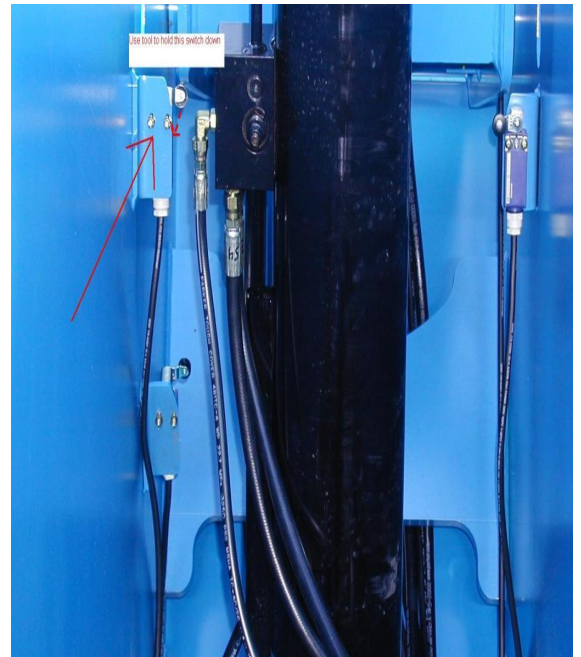
## Step 2

Install tool to maintain 65 deg limit switch to activated position. This will trick the unit into thinking the secondary is not fully raised.

Or Locate the wire connector for secondary boom limit switch LSS2AO. Disconnect the connector.

Note: The secondary boom limit switch LSS2AO is the upper limit switch located on the inside of the riser plate at the engine side of the machine.

Install a jumper wire between pins 3 and 4 of the LSS2AO Deutsch connector on the wire harness end.



## Step 3

Simultaneously push and hold the function enable/high speed button and the secondary boom up/extend button and fully raise the secondary boom.

Continue holding the function enable/high speed button and the secondary boom up/extend button while observing the reading on the pressure gauge.

Turn the engine off. Use a wrench to hold the relief valve and remove the cap (As indicated in the photo to the right).

Adjust the internal hex socket. Turn it clockwise to increase the pressure or counterclockwise to decrease the pressure. Install the relief valve cap.

Repeat to confirm relief valve Setting. adjust valve to 2500psi.

REMOVE TOOL FROM LIMIT SWITCH. or jumper



## Step 4

Simultaneously push and hold the function enable/high speed button and the secondary boom up/extend button and fully extend the secondary boom.

Continue holding the function enable/high speed button and the secondary boom up/extend button while observing the reading on the pressure gauge.

Turn the engine off. Use a wrench to hold the relief valve and remove the cap (As indicated in the photo to the right).

Adjust the internal hex socket. Turn it clockwise to increase the pressure or counterclockwise to decrease the pressure. Install the relief valve cap.

Repeat to confirm relief valve Setting. adjust valve to 2600psi.

Return unit to stowed position.

If more diagnosis is needed contact the Genie Service Department at 1-800-536-1800

