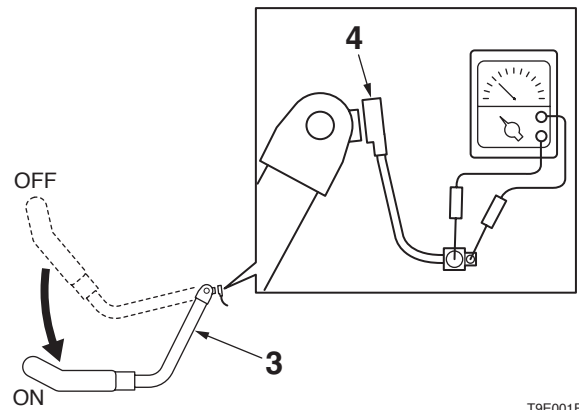


5. Inspect the proximity switch.
  - a. The proximity switch (4) should be switched on by moving the safety bar (3) into the driving position.
  - b. Disconnect the wiring from the proximity switch to check for continuity with a tester.

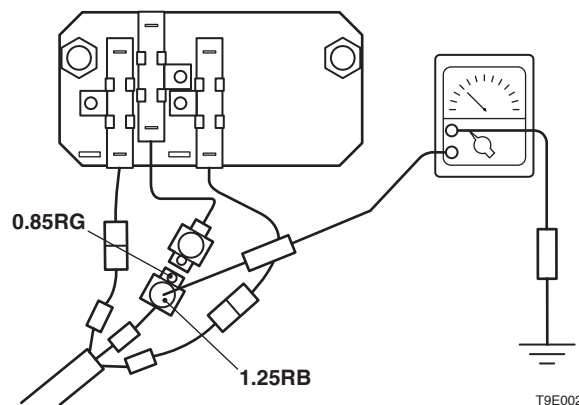


T9E001E

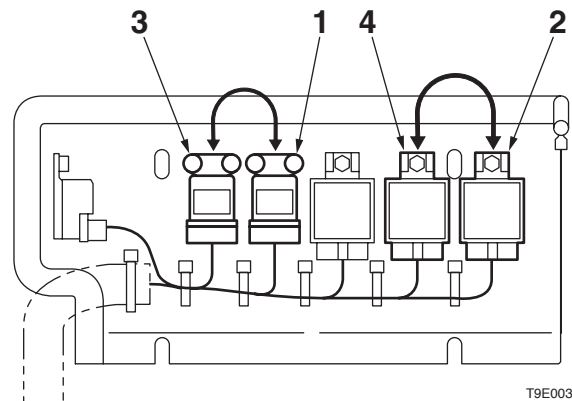
6. Inspect the lever lock relay.
 

Disconnect the wirings (1.25RB, 0.85RG) from the resistor for the lever lock while the proximity switch and the starter switch are turned "ON", and check the voltage with a tester.

  - If the voltage level is +12 V, it is normal. If not, change the lever lock relay (1) with the stop solenoid relay (3) and the lever lock switch relay (2) with the charge relay (4), and check the voltage again.



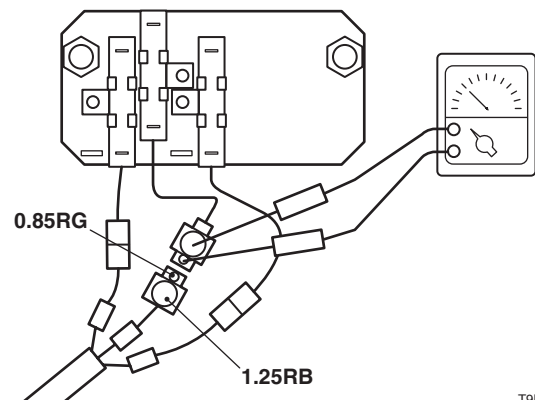
T9E002



T9E003

7. Inspect the resistor.
 

While the wirings are still disconnected from the resistor as described above, check for continuity with a tester.

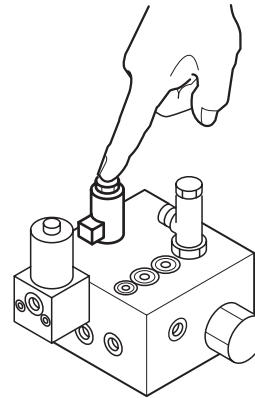


T9E004

**8. Inspect the lever lock solenoid.**

Check the solenoid according to the following procedure:

- a. Turn the starter switch to the on position.
- b. Lightly press down on the protruding part on the end of the solenoid.
- c. Move the safety bar to turn on the proximity switch.
- d. The system is functioning properly if you can feel vibration under your finger when the spool starts moving and the circuit is switched.



T7E003

**9. Inspect the control valve (sub).**

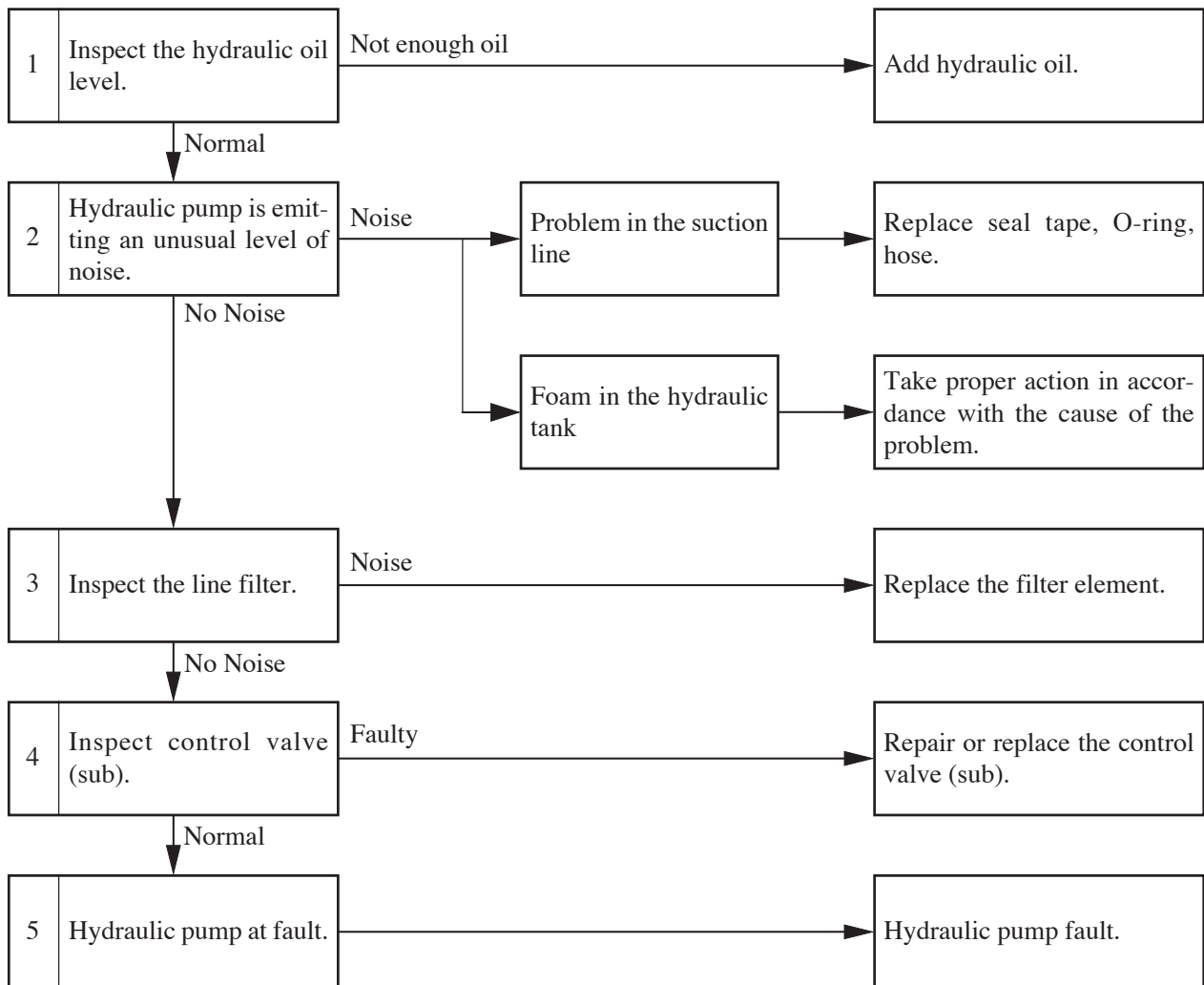
Check the pilot pressure.

☞ “IV. Hydraulic Units, Control Valve (Sub)”

**10. Inspect the pilot valve.**

☞ “IV. Hydraulic Units, Pilot Valve”

**ALL SYSTEMS WORKING, BUT WITH INSUFFICIENT POWER.**



1. Inspect the hydraulic oil level.  
☞ “III. Machine Configuration, Hydraulic Tank”
2. Hydraulic pump is emitting an unusual level of noise.  
The cause of the problem is probably a fault in the suction line which has caused the pump to dry out. Check according to the following procedure.
  - a. Check the lines sucking the hydraulic oil.
    - Apply grease or oil to the area which seems to be the cause of the problem and watch to see what happens. (Check to see if air is being drawn into the system.)
  - b. Check to see if the suction strainer is clogged.
3. Inspect the line filter.  
Remove the case, take out the filter element and check to see if the filter is clogged.
4. Inspect the control valve (sub).  
☞ “IV. Hydraulic Units, Control Valve (Sub)”
5. Hydraulic pump at fault.  
When the inside of the pump is excessively worn or has been damaged, the possibility exists that metal filings will work their way into the hydraulic oil. If this is the case, take the following action:
  - Replace the line filter and spin filter element.
  - Replace or flush the hydraulic oil (any oil of NAS Grade 9 or above may be used).
  - When replacing the hydraulic oil, always be sure to clean the inside of the hydraulic tank and the suction strainer.☞ “III. Machine Configuration, Hydraulic Tank”  
If the pump seal has been damaged, replace it.  
☞ “IV. Hydraulic Units, Hydraulic Pump”