

- **Not OK** – There is a problem with the fuel injection pump. Contact the Perkins Technical Support Centre in order to check if the software version is correct. Also check that there have been no software updates. If the problem still exists contact the Perkins Technical Support Centre in order to change the fuel injection pump. The warranty of the fuel injection pump will be affected if the pump is replaced without prior consultation. Replace the fuel injection pump.

Repair: Refer to Disassembly and Assembly, "Fuel Injection Pump Remove and Install".

STOP.

Test Step 11. Check the Voltage Load Protection Module (VLPM)

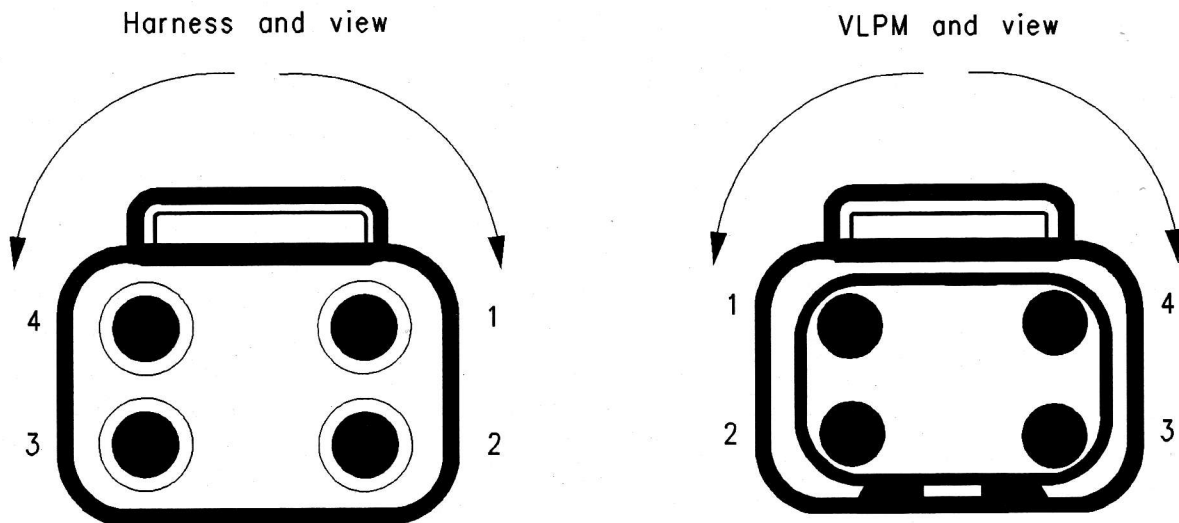


Illustration 101

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Voltage load protection module (VLPM) connections

Use this test in order to verify that the Voltage Load Protection Module (VLPM) has the correct resistance. Also use this procedure if there is a problem with a blown fuse. A faulty Voltage Load Protection Module (VLPM) may be the cause of the problem.

- Measure the resistance between pin 1 and pin 2 of the Voltage Load Protection Module (VLPM).
- Measure the resistance between pin 3 and pin 4 of the Voltage Load Protection Module (VLPM).

Expected Result:

The resistance should be less than 1 ohm between pin 1 and pin 2.

The resistance should be less than 1 ohm between pin 3 and pin 4.

The resistance should be greater than 1 ohm between pin 2 and pin 3.

Note: The resistance between pin 2 and pin 3 may differ. The resistance may be less than 1 ohm. This is OK.

Results:

- **OK – STOP.**
- **Not OK** – There is a problem with the voltage load protection module.

Repair: Replace the voltage load protection module.