LORmobile controls

LOR PDM Troubleshooting Checklist

The following check list must be completed before calling your engine manufacturer:

Required: Digital multimeter & basic knowledge of fuses, relays, 12/24V systems.

☐ **Fuses**

a. Check for open fuses and fuse holder damage.
b. Check all fuses are in the correct location and installed correctly.
c. Check if fuses are the correct ratings.
d. Check for damaged fuses: Cracks, corrosion, broken legs, etc.

☐ **Damage to the PCB**

e. Remove the PCB from the black enclosure to perform a visual inspection. Look out for: burnt traces, blackened components, corrosion, physical damage.

☐ **Check for faulty wiring harness connections.**

f. Unplug all connectors and check if they are properly seated, corrosion, foreign debris, and damage.
g. Check for pin/sockets that are not fully seated.
h. Check for missing seals and wedges.

☐ **Ensure all connectors to the PDM header are installed the correct way.**

i. Note: LOR PDM 12-Socket connecters are keyed. Do not use non-keyed connectors.

☐ **Battery & ground lug contacts.**

j. Verify the battery lugs are tight and corrosion free.

☐ **Harness damage.**

k. Visually inspect PDM wire harness for fraying, broken wires, and corrosion.

☐ **Battery voltage correct.**

l. Use a multimeter to verify the machine battery voltage is correct.

☐ **PDM Relays**

m. Check if LED next to the relays turn on when relays are engaged.
n. Listen for the mechanical “click” of the relay activating and deactivating.
o. Replace the PDM if a relay does not engage or disengage.

☐ **Mounting**

p. Verify the PDM is mounted is such a way to minimize the chance of water ingress to the connectors.
q. Verify the PDM does not experience extreme vibration when the engine is running