

TROUBLE SHOOTING FOR DIESEL CONTROL UNIT TYPE 500

Symptom	Possible cause	Action
1. The engine does not start manually.	1. Low battery capacity. 2. Blown fuse. 3. Engine blocked by stop.	1. Charge the battery, replace if defective. 2. Replace the fuse F2 or F4 on PCB 506-1 3. Reset stop on PCB 504-31
2. The engine does not start automatically.	4. Low battery capacity 5. PCB 503 not in stand by mode. 6. Missing start command.	4. Charge the battery, replace if defective. 5. Set the 503-switch to auto. 6. Check connections to terminals 21-22, or the signal source.
3. Pick-up failure indication when engine is stopped.	7. Lost connection in oil pressure shutdown switch connected to terminal 4.	7. Check oil pressure switch and its connections. There should be connection between terminal 2 (negative) and 4 on a stopped engine.
4. Pick-up failure indication when engine is running.	8. Lost connection to terminal 3. 9. Signal from pick-up to weak.	8. Check relevant cables. 9. The signal should be at least 2.0VAC. Adjust or replace sender.
5. The common alarm output is activated without indication on alarmpanel.	10. Blown fuse 11. PCB failure	10. Replace the fuse F3 on PCB 506-1 11. Contact distributor.

Further, please verify the following:-

- Verify that the Control Unit has the correct voltage and polarity.
- Make sure the battery is connected in such a way that the Control Unit is *not* sourced from the battery charger only.
- Check all fuses.