

CDI ELECTRONICS OPERATING INSTRUCTIONS

CDI P/N: 511-9930 LED Tester for GearCheck™

NOTE: This tester is designed to test any of the CDI Electronics GearCheck™ gearcase sensors. The GearCheck™ probe is attached to the shift rod cover plate, and the sensor sits at the top of the gearcase oil. Should service of the GearCheck™ probe become necessary, the gearcase must be removed and the GearCheck probe assembly removed from the gearcase housing.

1. **Plug the 6-pin connector into the probe connector on the engine.**
2. **Attach the black clamp to ground on the battery or engine.**
3. **Attach the red clamp on the battery (+) or battery side of the solenoid.**
4. **Start and run the engine at idle.**
5. **Proceed with the following:**
 - a) **If the low oil LED comes on:**
Fill the gearcase with oil and determine where it's losing oil.
 - b) **If the oil temperature light comes on, and the gearcase is below 180°F:**
The probe is in failure mode. Drop the lower unit to expose the shift rod cavity. Remove the shift rod cover plate with the GearCheck probe attached. Contact CDI Electronics at 256-772-3829 for warranty service.
 - c) **If the water/oil LED comes on:**
Check for presence of water in the gearcase. GearCheck is set for 10% water emulsion.
 - d) **If the p/f (probe fail) / metal LED comes on:**
The probe has detected excess metal in the gearcase. Remove the gearcase to expose the shift rod cavity. Remove the shift rod cover plate with the GearCheck probe attached. Check for excessive metal on the tip of the probe.
 - e) **If no LED's indicate failure, it may be necessary to run the boat on the water under load at high speed to indicate the failure.**

For further assistance call 1-256-772-3829

Thank You for using CDI Electronics

7/5/2000

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