

Product: Tachometer	Description GENERATOR SENDER TESTING	Date Sept 03
Type: Electrical		Issue 1

Resistance Testing Generator Sender

- Unplug sender wires from the back of the tachometer.
- Using an ohm meter, check the resistance of the sender by connecting across the two wires.
 1. The sender should produce a resistance of 50 ohms. If not, re-test at the sender terminals.
 2. If reading is 50 ohms at the sender, the fault is in the vehicles wiring.
 3. If reading is less than or greater than 50 ohms, replace the sender. Continue on with function test.

Function Testing Generator Sender

- Unplug sender wires from the back of the tachometer. Start the vehicle and run at 1000 rpm. Measure output AC voltage across sender wires.
 1. A nominal voltage of 10 volts RMS should be obtained. If not, remove the sender terminals.
 2. If reading is 10 volts RMS at the sender, the fault is in the vehicles wiring.
 3. If reading is OK, fault is in the vehicles wiring.
 4. If reading is below 10 volts RMS, replace the sender.

NOTE: WHEN FUNCTION TESTING, BEAWARE THAT THIS IS ASSUMED TO BE ON AN APPLICATION OF 1:1 RATIO OF ENGINE GRANKSHAFT SPEED. SENDERS RUNNING OFF THE CAM SHAFT MUST BE TESTED AT 2000 RPM. ALSO INCREASE OR LOWER ENGINE SPEED ACCORDINGLY IF USED IN CONJUNCTION WITH SPEED REDUCERS OR RATIO ADAPTERS.