

Your Current Vehicle: 1996 Jeep Grand Cherokee

## Testing

1. Make sure that the ignition is **OFF**, remove the distributor cap and turn the engine over by hand.
2. Verify that the distributor shaft turns. If the distributor shaft does not turn, the engine must be checked for proper mechanical operation.
3. Backprobe with a high impedance ohmmeter between the CMP sensor connector middle terminal and battery ground.
4. Verify that the resistance is less than 5 ohms. If the resistance is not as specified, repair or replace the wiring as necessary and continue the test.
5. With the ignition **ON** and the engine **OFF**, backprobe with a high impedance voltmeter between the sensor connector middle terminal and either of the end terminals.
6. Verify that a 5 volt or greater signal is present at one of the two terminals. If not as specified, repair or replace the wiring as necessary and continue the test.
7. With the ignition **ON** and the engine **OFF**, backprobe with a high impedance voltmeter between the sensor connector middle terminal and the end terminal that did not have the 5 volt or greater signal.
8. Crank the engine by hand and verify that the voltage reading alternates between 0.0 or 5.0 volts.
9. Install the distributor cap and crank the engine with starter. Verify that the voltage reading is 2.5 volts (averaging voltmeters only).
10. If the voltage readings are not as specified, the sensor may be faulty.

