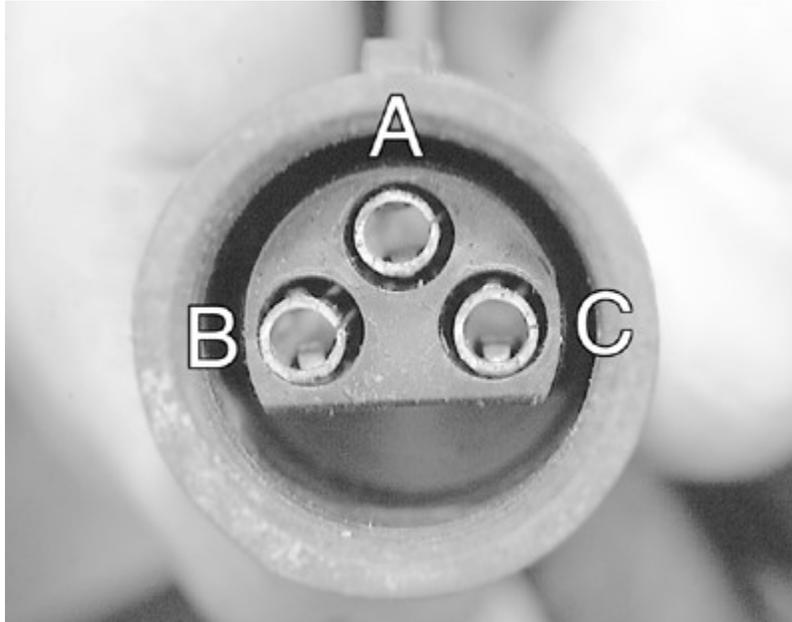


Your Current Vehicle: 1996 Jeep Grand Cherokee

## Testing



Connector terminals for the Crankshaft Position (CKP) sensor



Checking the CKP sensor voltage between the wiring harness side and battery ground

1. Backprobe with a high impedance ohmmeter between the CKP sensor connector middle terminal and battery ground.
2. 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.
3. 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.

4. 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.
5. 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.
6. Crank the engine and verify that the voltage reading alternates between 0.0 and 5.0 volts or verify that the voltage reading is 2.5 volts (averaging voltmeters only).
7. If the voltage readings are not as specified, the sensor may be faulty.