

ENGINE/COOLANT TEMPERATURE SENSOR (CTS)

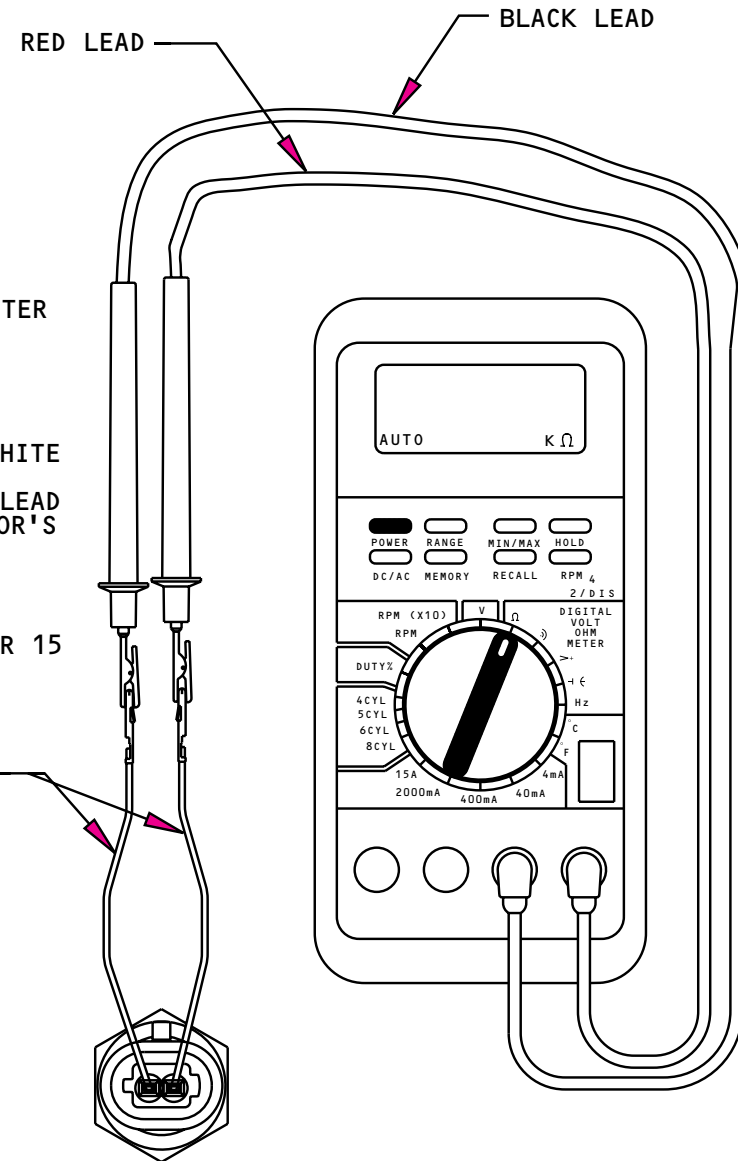
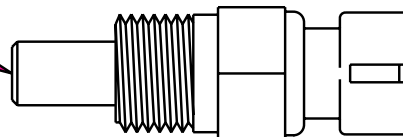
TOOLS REQUIRED:

- DIGITAL VOLT Ohm METER (DVOM)
- 2 SMALL WHITE TESTER LEADS (ROUND OR FLAT)
(NOT REQUIRED WITH ALL PART NUMBERS)

TEST PROCEDURE

1. IF THE SENSOR IS STILL WARM, RUN IT UNDER COLD WATER BEFORE PERFORMING THIS TEST.
2. TURN DVOM ON AND SWITCH TO "Ohm" (Ω) SETTING.
3. CONNECT THE DVOM RED LEAD TO THE MALE END OF A SMALL WHITE TESTER LEAD. CONNECT THE FEMALE END OF A SMALL WHITE TESTER LEAD TO EITHER ONE OF THE SENSOR'S TERMINALS. IF A SMALL WHITE TESTER LEAD IS NOT NECESSARY, CONNECT DVOM RED LEAD DIRECTLY TO THE SENSOR'S TERMINAL.
4. CONNECT THE DVOM BLACK LEAD TO THE MALE END OF ANOTHER SMALL WHITE TESTER LEAD. CONNECT THE FEMALE END OF THE SMALL WHITE TESTER LEAD TO THE SENSOR'S OTHER TERMINAL. IF A SMALL WHITE TESTER LEAD IS NOT NECESSARY, CONNECT DVOM BLACK LEAD DIRECTLY TO THE SENSOR'S OTHER TERMINAL.
5. NOTE THE DVOM READING.
6. WRAP YOUR HAND FIRMLY AROUND THE END OF THE SENSOR AND HOLD FOR 15 SECONDS. OBSERVE THE READING WHILE DOING THIS.
7. THE DIFFERENCE IN THE TWO DVOM READINGS SHOULD BE AT LEAST 100 Ohms. IF NOT, THE SENSOR IS FAULTY AND SHOULD BE REPLACED. (FOR EXAMPLE, IF YOUR INITIAL READING IS "2.350" K Ohms, YOUR SECOND READING AFTER FIRMLY HOLDING THE SENSOR SHOULD BE BELOW "2.250" K Ohms OR ABOVE "2.450" K Ohms.)

FIRMLY WRAP
HAND HERE
15 SECONDS
(STEP #6)



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TEST SHEET SU12