

THROTTLE POSITION SENSOR

TOOLS REQUIRED:

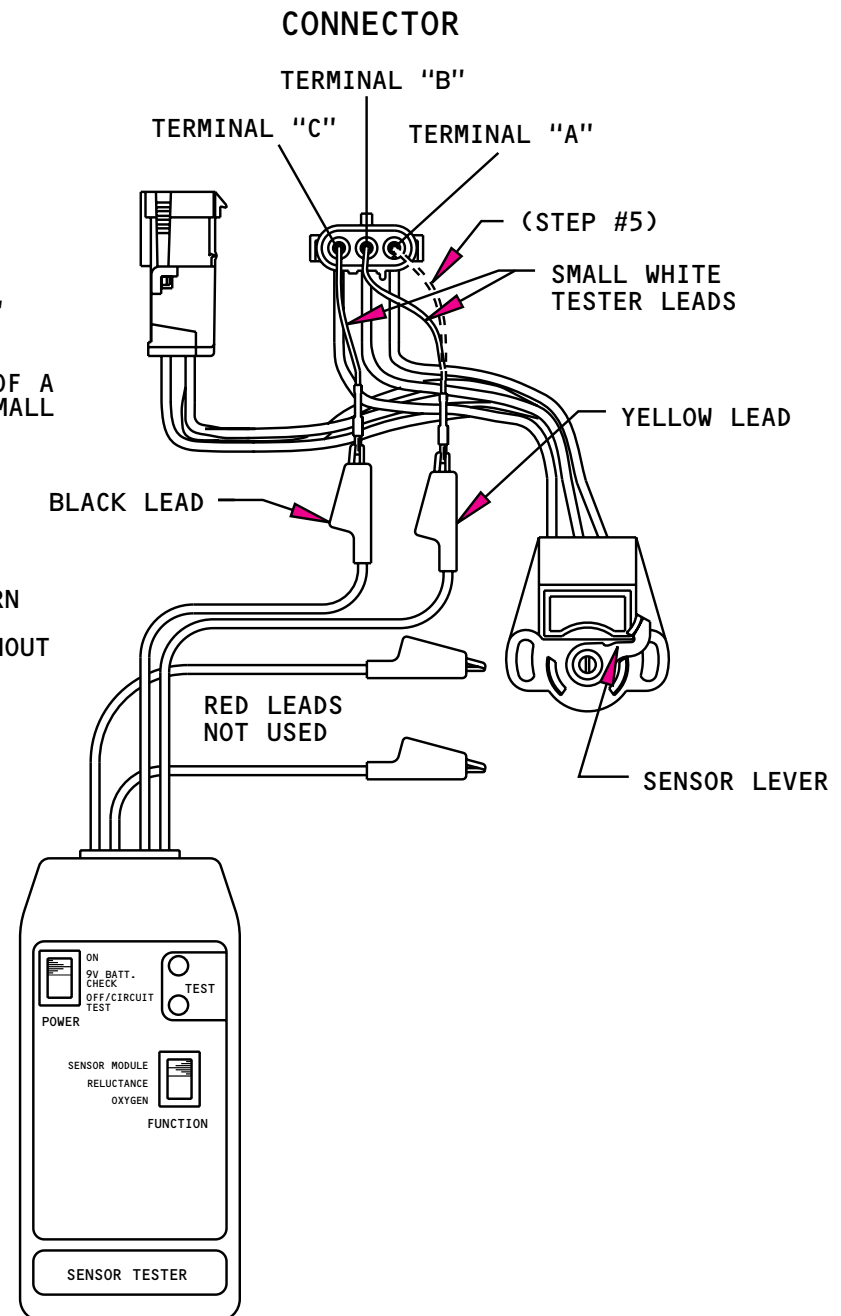
- SENSOR TESTER
- 2 SMALL WHITE TESTER LEADS (ROUND OR FLAT)

2 TEST PROCEDURES REQUIRED

TEST PROCEDURE #1

1. TURN THE SENSOR TESTER ON AND SET TO THE "SENSOR/MODULE" FUNCTION.
2. CONNECT THE SENSOR TESTER BLACK LEAD TO THE FEMALE END OF A SMALL WHITE TESTER LEAD. CONNECT THE MALE END OF THE SMALL WHITE TESTER LEAD TO THE SENSOR'S TERMINAL "C".
3. CONNECT THE SENSOR TESTER YELLOW LEAD TO THE FEMALE END OF ANOTHER SMALL WHITE TESTER LEAD. CONNECT THE MALE END OF THE SMALL WHITE TESTER LEAD TO THE SENSOR'S TERMINAL "B".
4. WATCH THE SENSOR TESTER'S LED LIGHT(S) AS YOU SLOWLY TURN THE SENSOR'S LEVER AS FAR AS IT WILL GO. THEN, SLOWLY RETURN THE LEVER. THE LED SHOULD CHANGE BRIGHTNESS WITHOUT FLICKERING OFF AND ON AS YOU PERFORM THE TEST. IF IT FLICKERS OR DOES NOT CHANGE BRIGHTNESS, THE TPS IS FAULTY AND SHOULD BE REPLACED. YOU MUST TEST SLOWLY TO PERFORM THE TEST CORRECTLY. IT SHOULD TAKE NO LESS THAN 5-10 SECONDS TO TURN THE LEVER IN ONE DIRECTION AND NO LESS THAN 5-10 SECONDS TO RETURN IT.
5. REMOVE THE SMALL WHITE TESTER LEAD FROM TERMINAL "B" AND CONNECT IT TO TERMINAL "A" AND REPEAT STEP #4.

(SEE NEXT PAGE FOR TEST PROCEDURE #2)



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- SENSOR TESTER
- 2 SMALL WHITE TESTER LEADS (ROUND OR FLAT)

TEST PROCEDURE #2

1. CONNECT THE SENSOR TESTER YELLOW LEAD TO THE FEMALE END OF A SMALL WHITE TESTER LEAD. CONNECT THE MALE END OF THE SMALL WHITE TESTER LEAD TO THE SENSOR'S TERMINAL "B".
2. CONNECT THE SENSOR TESTER BLACK LEAD TO THE FEMALE END OF ANOTHER SMALL WHITE TESTER LEAD. CONNECT THE MALE END OF THE SMALL WHITE TESTER LEAD TO THE SENSOR'S TERMINAL "A".
3. WATCH THE SENSOR TESTER'S LOWER LED LIGHT AS YOU SLOWLY TURN THE SENSOR'S LEVER AS FAR AS IT WILL GO. THEN, SLOWLY RETURN THE LEVER. THE LED SHOULD CHANGE BRIGHTNESS WITHOUT FLICKERING OFF AND ON AS YOU PERFORM THE TEST. IF IT FLICKERS OR DOES NOT CHANGE BRIGHTNESS, THE TPS IS FAULTY AND SHOULD BE REPLACED. YOU MUST TEST SLOWLY TO PERFORM THE TEST CORRECTLY. IT SHOULD TAKE NO LESS THAN 5-10 SECONDS TO TURN THE LEVER IN ONE DIRECTION AND NO LESS THAN 5-10 SECONDS TO RETURN IT.
4. REMOVE THE SMALL WHITE TESTER LEAD FROM TERMINAL "A" AND CONNECT IT TO TERMINAL "D" AND REPEAT STEP #3.

