

# THROTTLE POSITION SENSOR

## TOOLS REQUIRED:

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

## TEST PROCEDURE

1. TURN THE SENSOR TESTER ON AND SET TO THE "SENSOR/MODULE" FUNCTION.
2. 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 CENTER TERMINAL (TERMINAL "B").
3. 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 EITHER ONE OF THE SENSOR'S TWO OUTSIDE TERMINALS (TERMINAL "A" OR TERMINAL "C").
4. WATCH THE SENSOR TESTER'S LED LIGHT(S) AS YOU SLOWLY PUSH THE SENSOR'S PLUNGER IN AS FAR AS IT WILL GO. THEN, SLOWLY RELEASE THE PLUNGER. THE LIGHTS(S) 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 MOVE PLUNGER SLOWLY TO PERFORM THE TEST CORRECTLY. IT SHOULD TAKE NO LESS THAN 5-10 SECONDS TO PUSH THE PLUNGER IN AND NO LESS THAN 5-10 SECONDS TO RELEASE IT.
5. REMOVE THE SMALL WHITE TESTER LEAD FROM THE OUTSIDE TERMINAL TESTED IN STEP #3, AND CONNECT IT TO THE OTHER OUTSIDE TERMINAL (TERMINAL "A" OR TERMINAL "C") AND REPEAT STEP #4.

