

Throttle Sensor



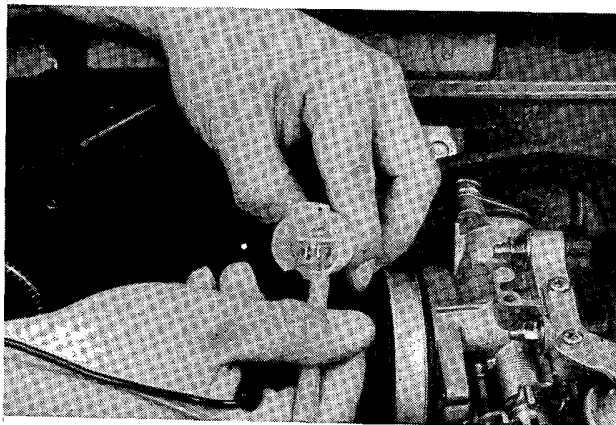
Testing

WARNING

- Do not perform any adjustment of the throttle valve stop screw since it has been adjusted in a very precise and accurate way.

- Disconnect the connector of the throttle sensor.
- Measure full resistance between the yellow terminal and the green terminal at the sensor.

Resistance should be:
3.2–7.2 KΩ



- If resistance is inside above ranges, adjust the installation position of the throttle sensor.
- If resistance is outside above ranges, replace the throttle sensor.

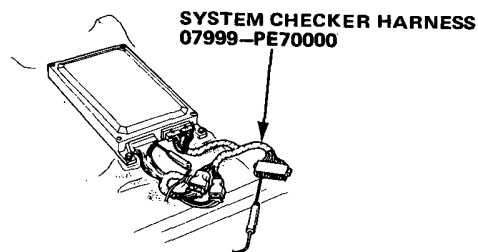
Replacement

Disassembly

- Remove the plastic cap and remove the throttle sensor.

Reassembly

- Align the lever pin of the sensor with the throttle valve shaft groove and tighten temporarily.
- Disconnect the control unit connectors and connect the special tool 'System Checker Harness' between the control unit and the wireharness connector.



- Connect a digital voltmeter positive probe to No. 12 terminal of the system checker harness and negative probe to No. 1 terminal of the control unit connector B.

SYSTEM CHECKER HARNESS

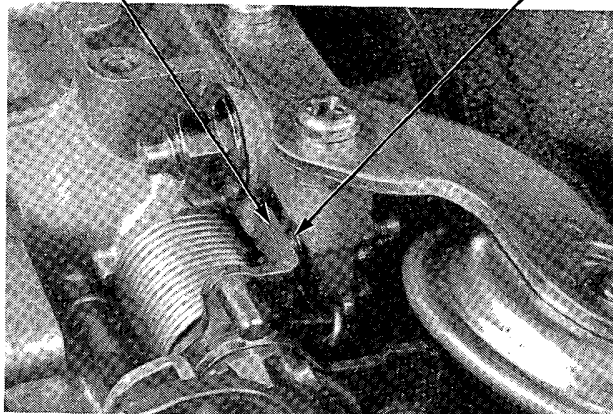
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪
Bu/W	G/W	G/Y	R/Bu	G/Or	Y	Y/Bl	W/Y	Or	Or/Bu	R/Y
R/Bu	W	Y/R	R	W	W/Bu	R/W	R/W	Br/Bl	Br/W	W
⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒

- Adjust the sensor into the position which the throttle stopper lever contacts with the stop screw.
- Turn the ignition switch ON and measure voltage of two terminals.

There should be: 0.48–0.52 V

THROTTLE STOPPER LEVER

STOP SCREW

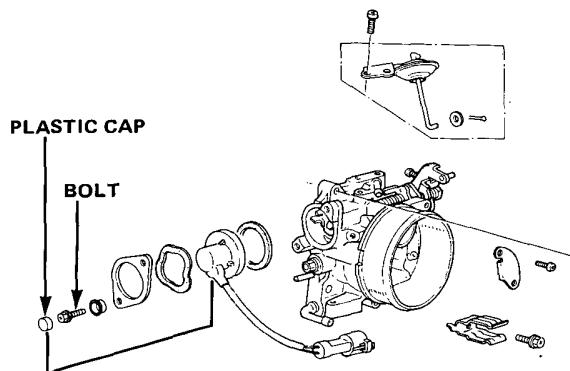


(cont'd)

Throttle Sensor

Replacement (cont'd)

6. Making sure that the voltage within a limit, tighten the sensor bolts and put the plastic cap on.



NOTE: After reassemble the sensor, test the deceleration fuel cut-off device. (see page 11-18).

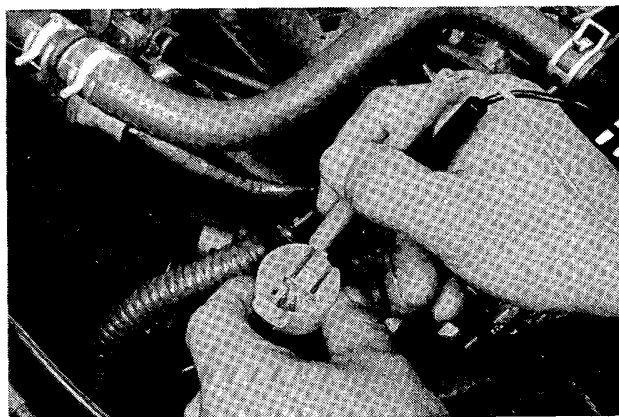
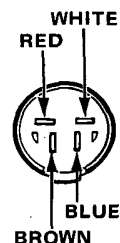
If the deceleration fuel cut-off device does not work, repeat the step (1) through (6) and check the voltage.

Crank Angle Sensor

Testing

1. Disconnect the connector of the crank angle sensor.
2. Measure resistance between the white terminal and the red terminal, and the brown terminal and the blue terminal at the sensor.

Resistance should be:
0.65–0.85 K Ω



3. Measure insulation resistance between each terminal at the sensor and the sensor housing.

Insulation resistance should be 100 K Ω or more.

- If resistance is outside above ranges, replace TDC or CYL coil assemblies.