INSPECTION

W/Harness Inspection

1. Check the vehicle speed sensor by using the scan tool.
   (if normal, current vehicle speed is display)

2. Check if current vehicle speed is same as vehicle speed displayed on the GDS.

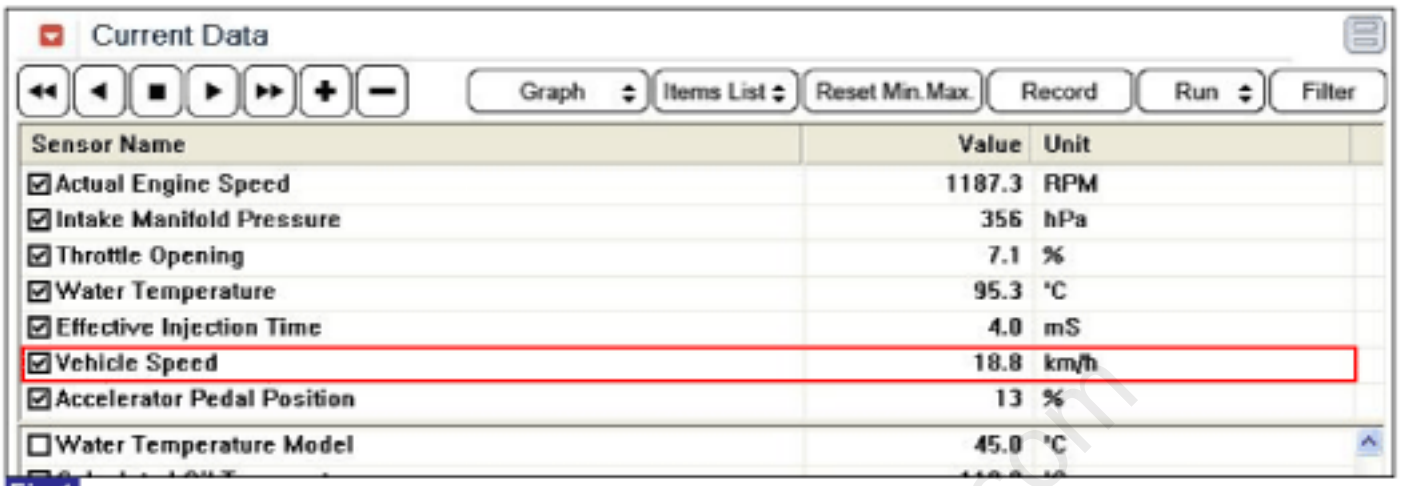


Fig.1

3. Check the damage to the connectors and wiring.

4. Check the power.
   (1) Turn ignition switch OFF.

   (2) Disconnect the vehicle speed sensor.

   (3) Turn ignition switch ON.

   (4) Check the voltage of the power terminal.

   Specification : 11.5V ~ 13.0V

5. Check the signal.
   (1) Turn ignition switch OFF.

   (2) Disconnect the vehicle speed sensor.

   (3) Turn ignition switch ON.

   (4) Check the voltage of the signal terminal.

   Specification : 8.0V ~ 11.5V

6. Check the ground.
   (1) Turn ignition switch OFF.

   (2) Disconnect the vehicle speed sensor.

   (3) Turn ignition switch ON.

   (4) Check the voltage between signal terminal and body ground.

   (5) Check the voltage between signal terminal and ground terminal.

   Specification : 4) - 5) = Within 200mV

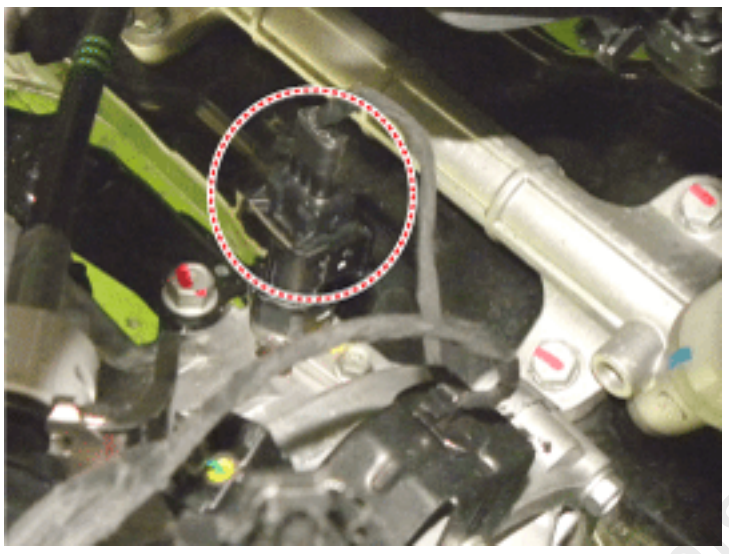
Component Inspection

1. IG KEY "OFF", ENGINE "OFF".
2. Disconnect the vehicle speed sensor (VSS) connector.
3. Disconnect the VSS and Driven gear assy'.
4. Check rotating state of VSS driven gear.
5. Connect VSS connector and IG KEY "ON".
6. Rotate Driven gear with hand.

Specification : Vehicle Speed Signal generates.

REMOVAL

1. Remove the air cleaner assembly.
   (Refer to Engine Mechanical System - "Air Cleaner")
2. Remove the battery and battery tray.
   (Refer to Engine Electrical System - "Battery")
3. Disconnect the vehicle speed sensor connector.



4. Remove the vehicle speed sensor after removing the bolt (A).

Tightening torque:
4.9 ~ 6.9 N.m (0.5 ~ 0.7 kgf.m, 3.6 ~ 5.1 lb-ft)

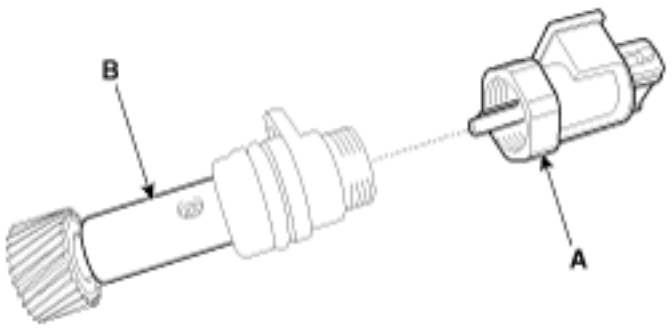


NOTICE

After removing, be careful not to enter dust, foreign matters, etc in speed sensor hole.

5. Separate the vehicle speed sensor (A) and driven gear (B).

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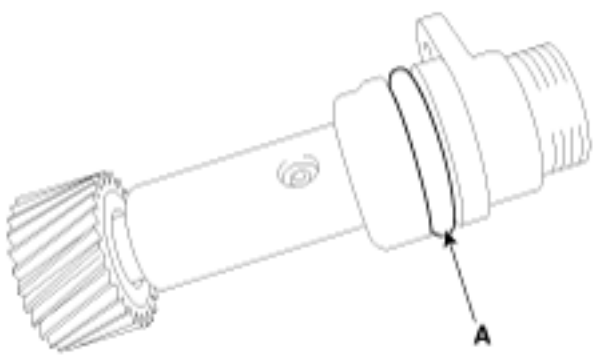


INSTALLATION

1. Install in the reverse order of removal.

NOTICE

Do not reuse the O-ring (A).



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