

ON-VEHICLE INSPECTION

1. INSPECT SPEEDOMETER

(a) Check the operation.

- (1) Using a speedometer tester, inspect the speedometer for allowable indication error and check the operation of the odometer.

Reference: km/h

Standard indication	Allowable range
20 km/h	21 – 25 km/h
40 km/h	41.5 – 46 km/h
60 km/h	62.5 – 67 km/h
80 km/h	83 – 88 km/h
100 km/h	104 – 109 km/h
120 km/h	125 – 130.5 km/h
140 km/h	145.5 – 151.5 km/h
160 km/h	166 – 173 km/h

Reference: mph

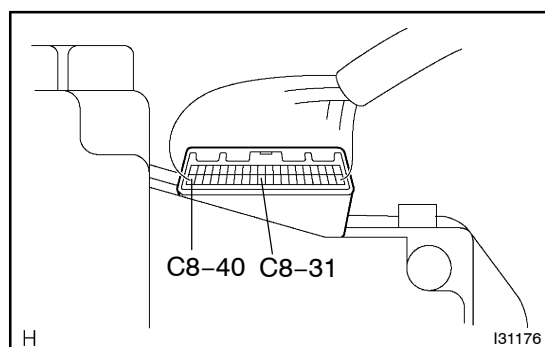
Standard indication	Allowable range
20 mph	21 – 23.5 mph
40 mph	41.5 – 44 mph
60 mph	62.5 – 66 mph
80 mph	83 – 87 mph
100 mph	104 – 108.5 mph

NOTICE:

Tire wear and tire over or under inflation will increase the indication error.

- (2) Check the deflection width of the speed meter indicator.

Reference: Below 0.5 km/h (0.3 mph)



2. INSPECT OUTPUT SIGNAL OF VEHICLE SPEED

(a) Check for standard signal.

- (1) While driving the vehicle at the speed of 10 km/h, check the voltage between the terminals C8-31 and C8-40 of the combination meter assy.

Standard: Fluctuation between 10 to 14 V or less is repeated 7 times within 1 sec.

NOTICE:

Check it with the ignition switch ON and the connector connected.

3. INSPECT TACHOMETER

(a) Check the operation

- (1) Connect a tune-up test tachometer, and start the engine.

NOTICE:

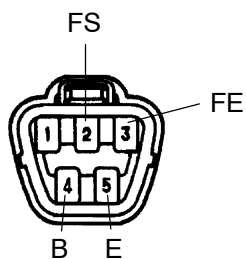
- Reversing the connection of the tachometer will damage the transistors and diodes inside.
- When removing or installing the tachometer, be careful not to drop or subject it to heavy shocks.

- (2) Compare the test and tachometer indications.

DC 13.5 V, 25 °C at (77 °F)

Standard indication (r/min)	Allowable range (r/min) Data in () are for reference
700	617 – 757
1,000	(881 – 1,081)
2,000	(1,837 – 2,087)
3,000	2,793 – 3,093
4,000	(3,775 – 4,075)
5,000	4,756 – 5,056
6,000	(5,707 – 6,067)

Main Fuel Sender Gauge:



1e-5-1-A

I30899

4. INSPECT FUEL RECEIVER GAUGE

(a) Inspect the circuit.

- (1) Disconnect the connector from the sender gauge.
 (2) Turn the ignition switch ON, then check the position of the receiver gauge needle.

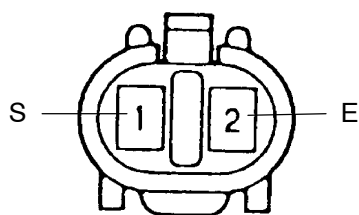
Needle position: EMPTY

- (3) Connect terminals 2 and 3 on the wire harness side connector of main fuel sender gauge and between terminals on the wire harness side.

- (4) Turn the ignition switch ON, then check the position of the receiver gauge needle.

Needle position: FULL

Sub Fuel Sender Gauge:



I30900

5. INSPECT FUEL LEVEL WARNING

- (a) Inspect the circuit.
 - (1) Disconnect the connector from the sender gauge.
 - (2) Turn the ignition switch ON, check the fuel level needle indicates EMPTY and fuel level warning lights light on.

6. INSPECT ENGINE COOLANT TEMPERATURE RECEIVER GAUGE WARNING LIGHT

- (a) Inspect the circuit.
 - (1) Disconnect the connector from the sender gauge.
 - (2) Turn the ignition switch ON, check the position of the water temperature receiver gauge needle.
Needle position: COOL
 - (3) Ground terminal 2 on the wire harness side, then check the position of the water temperature receiver gauge needle.

Needle position: HOT**7. INSPECT SEAT BELT WARNING LIGHT (Driver's seat)**

- (a) Check the operation.
 - (1) Turn the ignition switch ON and check that the warning light lights up.
 - (2) Fasten the outer belt to the inner belt and check that the warning light lights out.
 - (3) Disconnect the connector from the buckle switch and ground terminal on the wire harness side connector.
 - (4) Turn the ignition switch ON and check that the warning light lights up.