

INSTRUMENT CLUSTER INSPECTION

B3E092255430W04

Speedometer

Using the input/output check mode

1. Inspect the speedometer by setting it to check code 12 of the input/output check mode. (See [INSTRUMENT CLUSTER INPUT/OUTPUT CHECK MODE.](#))

Using a speedometer tester

1. Adjust the tire pressure to the specification.
2. Using a speedometer tester, verify that the tester reading is as indicated in the table below.

Speedometer tester indication (km/h)	Allowable range (km/h)
20	20-24
40	40-44
60	60-65
80	80-86
100	101-106
120	121-127
140	141-148

3. Verify that the speedometer reading is within the range indicated in the table.

- If the speedometer does not move or the indication is not within the allowable range, inspect the PCM and related wiring harnesses.
 - If the PCM and related wiring harnesses are normal, replace the instrument cluster.

Tachometer

Using the input/output check mode

1. Inspect the tachometer by setting it to check code 13 of the input/output check mode. (See [INSTRUMENT CLUSTER INPUT/OUTPUT CHECK MODE.](#))

Using WDS or external diagnostic equipment

Caution

- If the engine speed exceeds the allowable range, the engine could be damaged. Therefore, when inspecting the tachometer, do not allow the engine speed to exceed the allowable range indication on the tachometer.

1. Connect the WDS or equivalent to the diagnostic connector 2 (16-pin).

2. Compare the data monitor item (RPM) with the tachometer indication.

- If the tachometer does not operate properly, inspect the PCM and related wiring harnesses.
 - If the PCM and related harnesses do not have any malfunction, replace the instrument cluster.

Fuel gauge

1. Inspect the fuel gauge by setting it to check code 23 of the input/output check mode. (See [INSTRUMENT CLUSTER INPUT/OUTPUT CHECK MODE](#).)

Water temperature gauge

1. Inspect the water temperature gauge by setting it to check code 25 of the input/output check mode. (See [INSTRUMENT CLUSTER INPUT/OUTPUT CHECK MODE](#).)