BE2EX–01

INSPECTION

1. INSPECT SPEEDOMETER ON VEHICLE

Using a speedometer tester, inspect the speedometer for allowable indication error and check the operation of the odometer.
HINT:
Tire wear and tire over or under inflation will increase the indication error.
If error is excessive, replace the speedometer.

(km/h)

Standard indication	Allowable range
20	17.5 – 21.5
40	38 – 42
60	58 – 63
80	78 – 84
100	99 – 104.5
120	119.5 – 125.5
140	139.5 – 146.5
160	159.5 – 167.5

2. INSPECT TACHOMETER ON–VEHICLE

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

NOTICE:

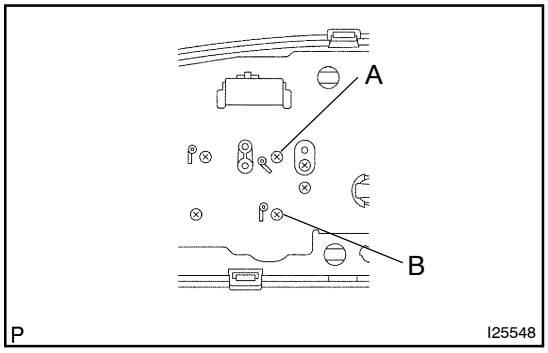
Reversing the connecting of the tachometer will damage the transistors and diodes inside.

(b) Compare the tester and tachometer indications.

If an error is excessive, replace the tachometer.

DC 13.5 V, 25°C (77°F)

Standard Indication (rpm)	Allowable range (rpm)
700	630 – 770
1,000	900 – 1,100
2,000	1,875 – 2,125
3,000	2,850 – 3,150
4,000	3,850 – 4,150
5,000	4,850 – 5,150



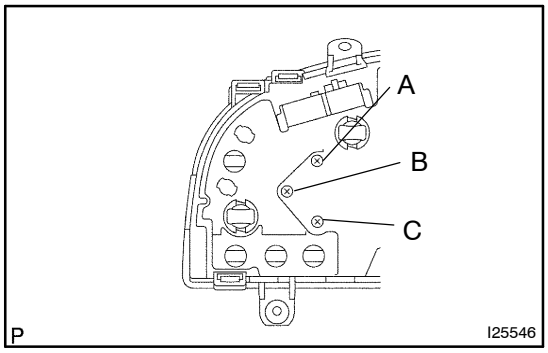
3. Diesel engine only:
INSPECT VEHICLE SPEED SENSOR

While driving the vehicle at the speed of 10 km/h, check the voltage between the terminals A and B of the combination meter assy.

HINT:

Fluctuation between 10 – 14 V or less is repeated 7 times within 1 sec.

If operation is not as specified, replace the speedometer.

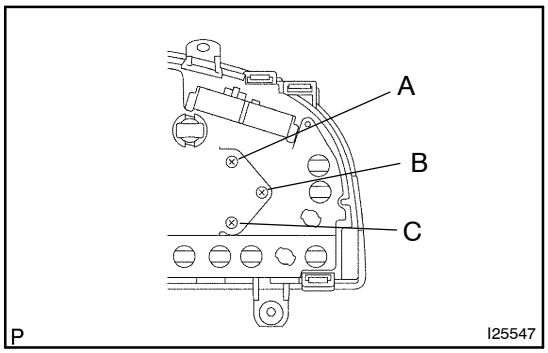


4. INSPECT FUEL RECEIVER GAUGE RESISTANCE

Measure the resistance between terminals.

Tester connection	Resistance (Ω)
A – B	Approx. 129
A – C	Approx. 232
B – C	Approx. 103

If resistance value is not as specified, replace the receiver gauge.



5. INSPECT WATER TEMPERATURE RECEIVER GAUGE RESISTANCE

Measure the resistance between the terminals.

HINT:

Connect the test leads so that the current from the ohmmeter can flow according to the chart order.

Between terminals	Resistance (Ω)
A – B	Approx. 215
A – C	Approx. 228
B – C	Approx. 75

If resistance value is not as specified, replace the water temperature receiver gauge.