COMBINATION METER

710PF–01

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:

Standard indication	Allowable range Data in ( ) are for reference
20 km/h	(21 to 25) km/h
40 km/h	41.7 to 46.2 km/h
60 km/h	62.7 to 67.2 km/h
80 km/h	83.4 to 88.4 km/h
100 km/h	104.3 to 109.3 km/h
120 km/h	125.1 to 130.6 km/h
140 km/h	145.8 to 151.8 km/h
160 km/h	166.2 to 173.2 km/h
180 km/h	186.9 to 194.5 km/h
200 km/h	207.7 to 215.7 km/h
220 km/h	228.4 to 236.8 km/h

NOTICE:

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

(2) Check the deflection range of the speedometer indicator.

Reference: Below 0.5 km/h

2. 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 results and tachometer indications.

DC 13.5 V, 25°C at (77°F)

2AZ–FE:

Standard indication (r/min)	Allowable range (r/min) Data in ( ) are for reference
700	*1 630 to 770/*2 618 to 758
1,000	*1 (900 to 1,100)/*2 (883 to 1,083)
2,000	*1 (1,850 to 2,150)/*2 (1,817 to 2,117)
3,000	*1 2,800 to 3,200/*2 2,750 to 3,150
4,000	*1 (3,800 to 4,200)/*2 (3,733 to 4,133)
5,000	*1 4,800 to 5,200/*2 4,717 to 5,117
6,000	*1 (5,750 to 6,250)/*2 (5,650 to 6,150)
7,000	*1 6,700 to 7,000/*2 6,583 to 7,000

*1: 2AZ–FE, *2: 1MZ–FE, 3MZ–FE