

## ON-VEHICLE INSPECTION

### 1. INSPECT SPEEDOMETER

- (a) Check the operation.
- (1) Using a speedometer tester, check the speedometer indication according to the table below.

#### Reference: mph (U.S.A.)

Standard indication	Acceptable range
20 mph	20.0 to 23.0 mph
40 mph	40.0 to 43.5 mph
60 mph	60.0 to 64.0 mph
80 mph	80.0 to 84.5 mph
100 mph	100.0 to 105.0 mph
120 mph	120.0 to 125.5 mph
140 mph	140.0 to 146.0 mph
160 mph	160.0 to 166.5 mph

#### Reference: km/h (Canada)

Standard indication	Acceptable range Data in ( ) is for reference
20 km/h	(17.5 to 21.5 km/h)
40 km/h	38.0 to 42.0 km/h
60 km/h	58.0 to 63.0 km/h
80 km/h	78.0 to 84.0 km/h
100 km/h	98.5 to 104.5 km/h
120 km/h	119.0 to 125.0 km/h
140 km/h	139.0 to 146.0 km/h
160 km/h	159.0 to 167.0 km/h
180 km/h	179.0 to 188.0 km/h
200 km/h	199.0 to 209.0 km/h
220 km/h	219.0 to 230.0 km/h
240 km/h	239.0 to 251.0 km/h

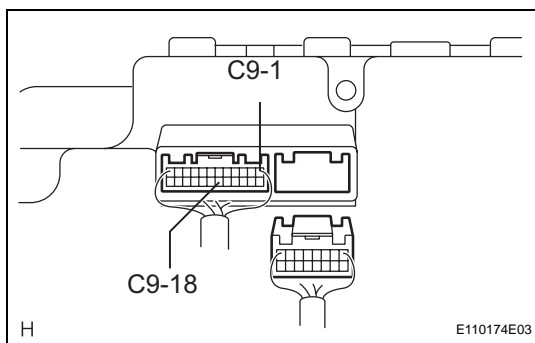
#### NOTICE:

**Tire wear, as well as over or under inflation will cause errors.**

- (2) Check the deviation from the acceptable value of the speedometer indication.

#### Reference:

**Below 0.5 km/h (0.3mph)**



### 2. INSPECT OUTPUT SIGNAL OF VEHICLE SPEED

- (a) Check for the signal.
- (1) While driving the vehicle at 10 km/h, check the voltage between the terminal C9-1 and C9-18 of the combination meter assembly.

#### Standard:

**Fluctuation between 7.7 to 14 V or less is repeated 7 times within 1 sec.**

#### NOTICE:

**Check it with the ignition switch turned to the ON position and the connector connected.**

**3. INSPECT TACHOMETER**

(a) Check operation.

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

**NOTICE:**

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

- (2) Compare the result of the test with the standard indication.

**DC 13.5 V, 25 °C (77 °F)**

Standard indication (r/min)	Acceptable range (r/min) Data in ( ) are for reference
700	580 - 720
1,000	(900 - 1100)
2,000	(1850 - 2150)
3,000	2800 - 3200
4,000	(3800 - 4200)
5,000	4800 - 5200
6,000	(5750 - 6250)
7,000	6700 - 7300
8,000	(7700 - 8300)

**4. MAINTENANCE LIQUID RESETTING PROCEDURE****Indicator Condition:**

State	Condition	Specified State
Blinking	The vehicle runs 4,500 miles after the previous setting	The indicator blinks for 15 seconds after the ignition switch is on (including 3 seconds for a bulb check).
Continuously Illuminated	The vehicle runs 5,000 miles after the previous setting	The indicator is continuously illuminated after the ignition switch is on.

- Set the display window to ODO.
- Turn the ignition switch off.
- Pressing the reset switch, turn the ignition switch to the ON position (keep pressing for at least 5 seconds.)
- Reset procedure is completed.

**HINT:**

- If the ignition switch is off during reset procedure, reset mode is canceled.
- If the reset switch is pushed off during the reset procedure, reset mode is canceled and the display shows the condition prior to the reset procedure.