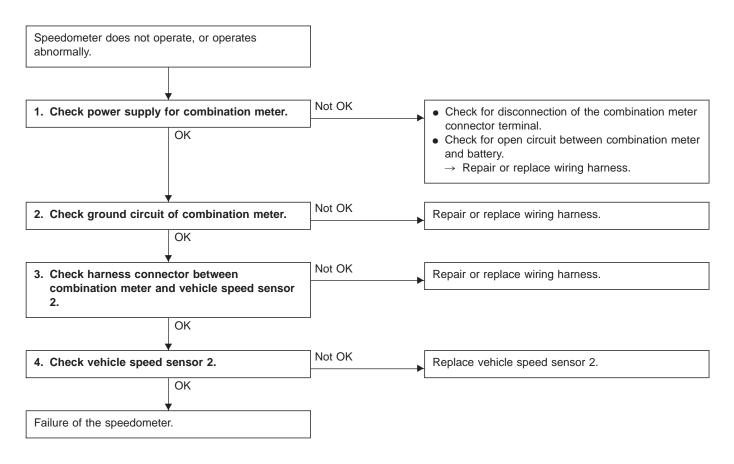
3. Combination Meter

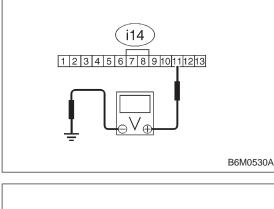
A: DIAGNOSTICS PROCEDURE

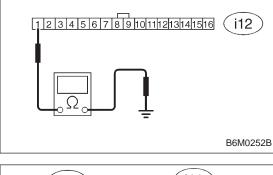
If speedometer does not operate, or operates abnormally, check combination meter circuit (shown in flow chart as described below).

CAUTION:

Make sure that trouble code of vehicle speed sensor 2 system appears in electrical system on-board diagnosis.







1. CHECK POWER SUPPLY FOR COMBINATION METER.

- 1) Remove combination meter.
- 2) Turn ignition switch to ON.

3) Measure voltage at combination meter connector terminal.

Connector & terminal / Specified voltage: (i14) No. 11 — Body / 10 V, or more

2. CHECK GROUND CIRCUIT OF COMBINATION METER.

1) Turn ignition switch to OFF.

2) Measure resistance of harness connector between combination meter and body.

Connector & terminal / Specified voltage: (i12) No. 1 — Body / 10 Ω, max.

3. CHECK HARNESS CONNECTOR BETWEEN COMBINATION METER AND VEHICLE SPEED SENSOR 2.

1) Disconnect connector from vehicle speed sensor 2.

2) Measure resistance of harness connector between vehicle speed sensor 2 and combination meter.

Connector & terminal / Specified resistance: (B17) No. 1 — (i11) No. 2 / 10 Ω, max. (B17) No. 2 — (i11) No. 3 / 10 Ω, max.

4. CHECK VEHICLE SPEED SENSOR 2.

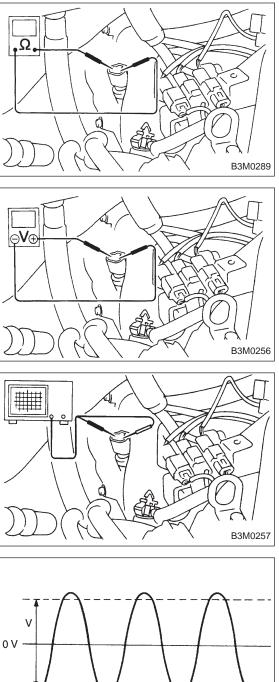
NOTE:

• If resistance between terminals of vehicle speed sensor 2 is out of specification, the sensor may have a failure.

• If resistance is OK and voltage between terminals of vehicle speed sensor 2 is out of specification, mechanical trouble may be present between vehicle speed sensor 2 and speedometer shaft in transmission.

B17 (i11) 123 123 100 000 B6M0294B

DIAGNOSTICS



Disconnect connector from vehicle speed sensor 2.
Measure resistance between terminals of vehicle speed sensor 2.

Terminals / Specified resistance: No. 1 — No. 2 / 350 — 450 Ω

WARNING:

Be careful not to be caught up by the running wheels.

3) Set the vehicle on free roller, or lift-up the vehicle and support with safety stands.

4) Drive the vehicle at speed greater than 20 km/h (12 MPH).

5) Measure voltage between terminals of vehicle speed sensor 2.

Terminals / Specified voltage: No. 1 — No. 2 / 5 V, min. (AC range)

- Using an oscilloscope:
 - (1) Turn ignition switch to OFF.
 - (2) Set oscilloscope to vehicle speed sensor 2.
 - (3) Drive the vehicle at speed greater than 20 km/h (12 MPH).
 - (4) Measure signal voltage.

Specified voltage (V): 5 V, min.

