

GROUP 54

CHASSIS ELECTRICAL

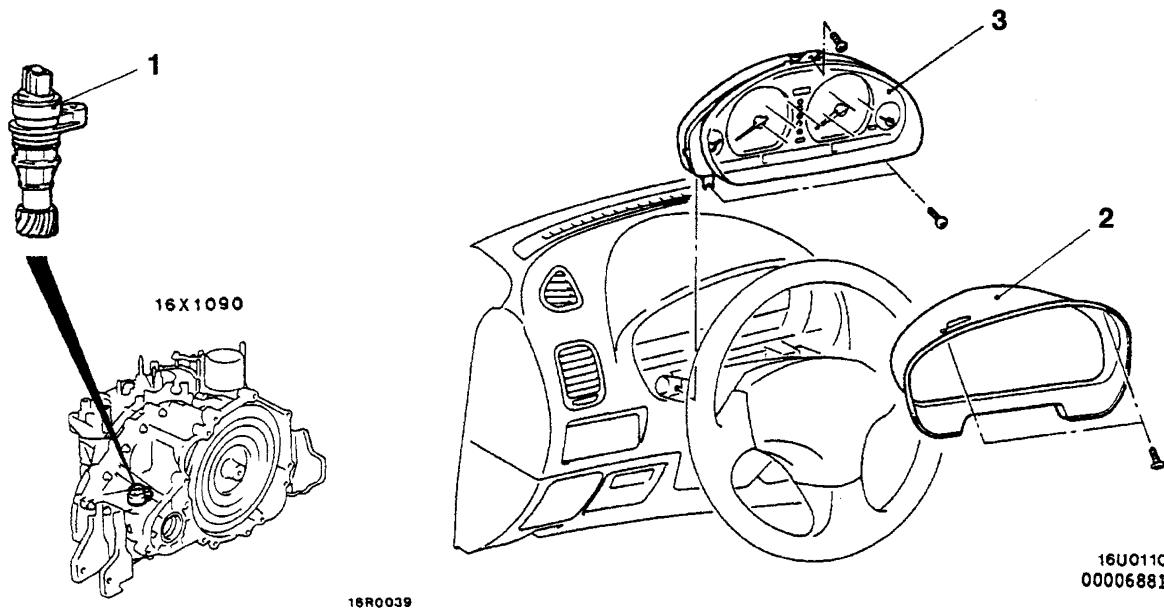
GENERAL

OUTLINE CHANGES

- The inspection procedure and the maintenance procedure have been established to correspond to the change of the combination meter.
- The inspection procedure and the maintenance procedure have been established to correspond to the addition of the outside air temperature sensor. (Vehicles without fully automatic air conditioner)
- The inspection procedure has been established to correspond to the change of the rear window defogger switch.

COMBINATION METERS

REMOVAL AND INSTALLATION

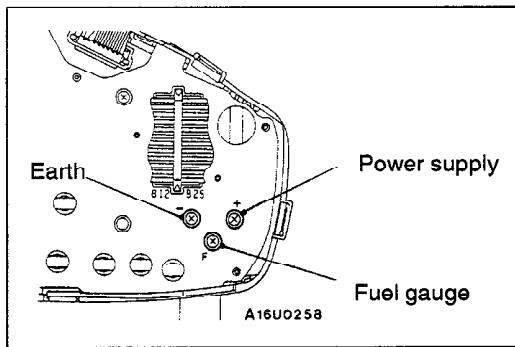
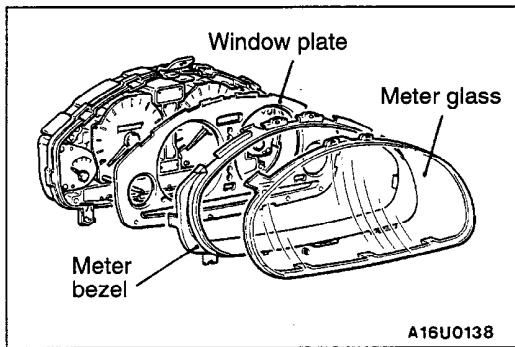


Vehicle speed sensor removal steps

- Air cleaner, air intake hose
- 1. Vehicle speed sensor

Combination meter removal steps

2. Meter bezel
3. Combination meter



INSPECTION

FUEL GAUGE RESISTANCE CHECK

- 1) Remove the meter glass, meter bezel and window plate.

- 2) Use a circuit tester to measure the resistance value between the terminals.

NOTE

The terminal positions are indicated by (F), (+) and (–).

Standard value:

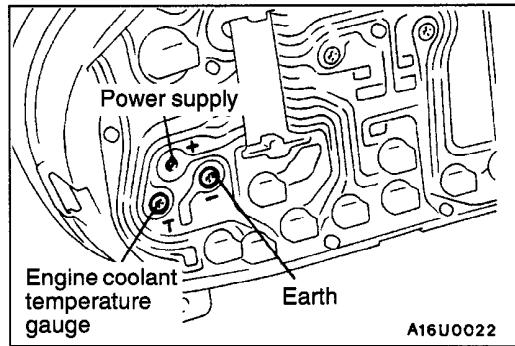
Power supply (+) – Earth (–): 117 – 143 Ω

Power supply (+) – Fuel gauge (F): 46 – 57 Ω

Fuel gauge (F) – Earth (–): 71 – 87 Ω

Caution

When inserting the testing probe into the power supply terminal, be careful not to touch the printed board.



ENGINE COOLANT TEMPERATURE GAUGE RESISTANCE CHECK

- 1) Remove the power supply tightening screw.
- 2) Use a circuit tester to measure the resistance value between the terminals.

NOTE

The terminal positions are indicated by (T), (–) and (+).

Standard value:

Power supply (+) – Earth (–): 190 – 232 Ω

Power supply (+) – Engine coolant temperature gauge (T): 51 – 62 Ω

Engine coolant temperature gauge (T) – Earth (–): 240 – 294 Ω

Caution

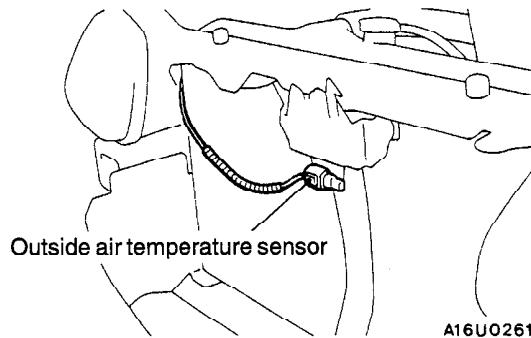
When inserting the testing probe into the power supply terminal, be careful not to touch the printed board.

OUTSIDE AIR TEMPERATURE SENSOR (VEHICLES WITHOUT FULLY AUTOMATIC AIR CONDITIONER)

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Front Bumper Removal and Installation

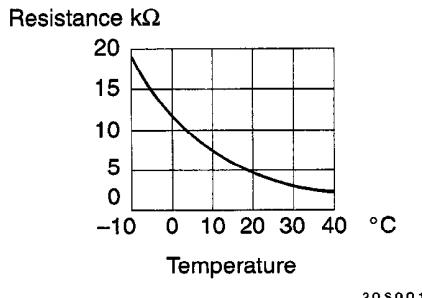


INSPECTION

When the resistance value between the sensor terminals is measured under two or more temperature conditions, the resistance value should be close to the values shown in the graph.

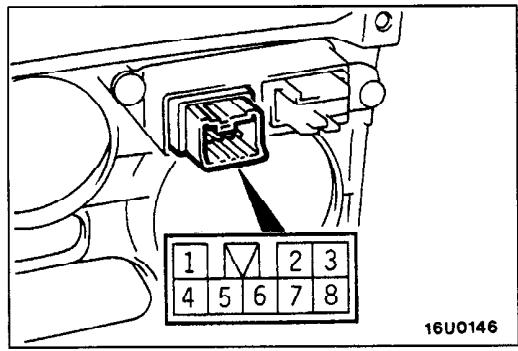
NOTE

The temperature conditions when testing should not exceed the range of the characteristic curve in the graph.



REAR WINDOW DEFOGGER

REAR WINDOW DEFOGGER SWITCH



INSPECTION DEFOGGER SWITCH CONTINUITY CHECK

Switch position	Terminal No.						
	4		6	3	5		7
OFF		ILL					
ON		ILL				IND	