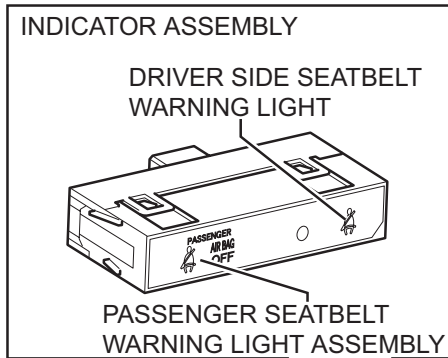
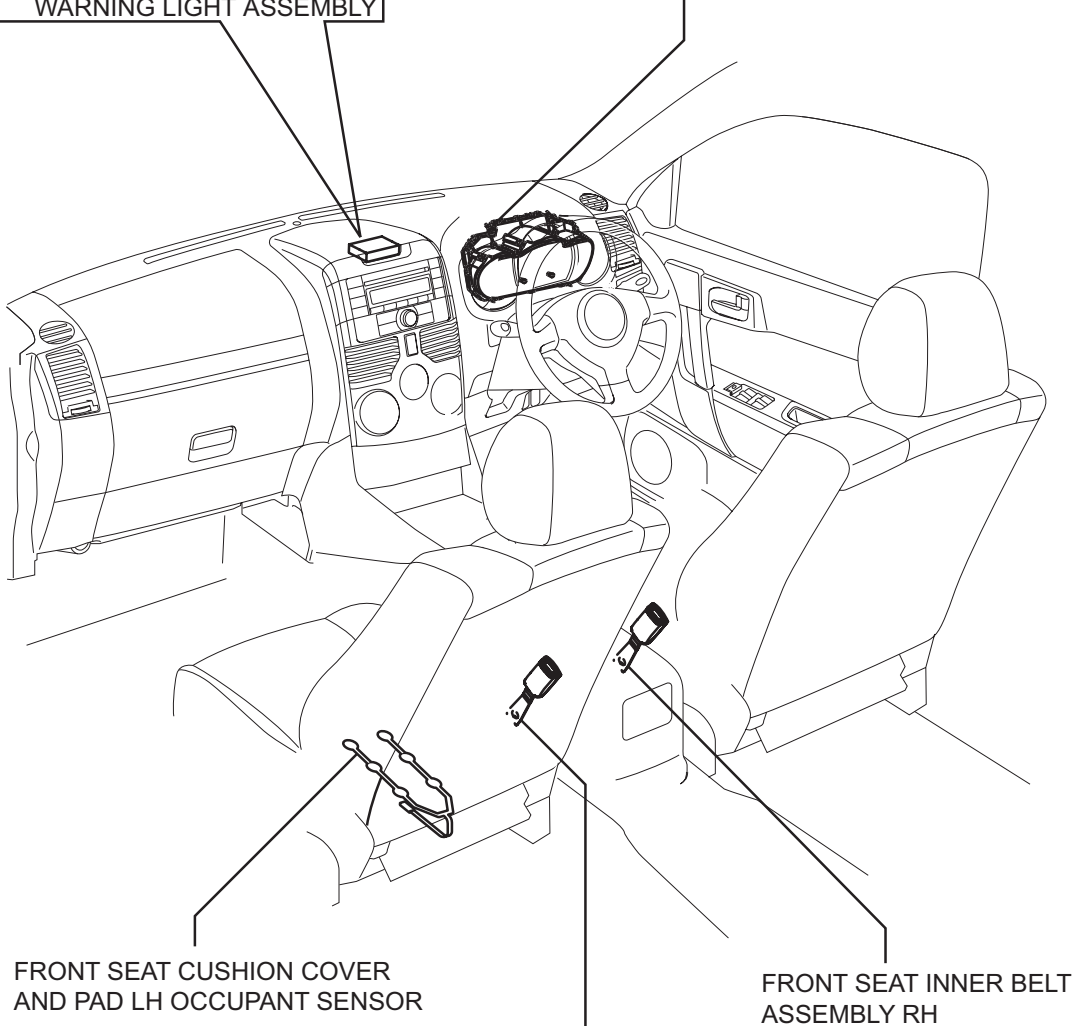


SEAT BELT WARNING SYSTEM

LOCATION



COMBINATION METER ASSEMBLY



FRONT SEAT CUSHION COVER
AND PAD LH OCCUPANT SENSOR

FRONT SEAT INNER BELT
ASSEMBLY RH

FRONT SEAT INNER BELT ASSEMBLY LH

SB

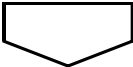
PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See Page
Driver side seat belt warning light does not blink or go off	Warning indicator assembly	ME-37
	Combination meter assembly	ME-8
	Front seat inner belt assembly RH	SB-20
	Wire harness	-
Passenger side seat belt warning light does not blink or go off	Warning indicator assembly	ME-37
	Combination meter assembly	ME-8
	Front seat cushion cover and pad LH (occupant detection sensor)	SB-7
	Front seat inner belt assembly LH	SB-21
	Wire harness	-

HOW TO PROCEED WITH TROUBLESHOOTING

1

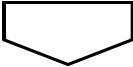
VEHICLE BROUGHT TO WORKSHOP



2

CONDUCT CUSTOMER PROBLEM ANALYSIS AND CHECK SYMPTOMS

HINT:
See page SB-4.



3

PROBLEM SYMPTOMS TABLE

- (a) Refer to the problem symptoms table and check if the symptom of the problem is listed in the table.
- HINT:
See page SB-2.
- Standard**

Result	Proceed to
Symptom is not listed in problem symptoms table	A
Symptom is listed in problem symptoms table	B



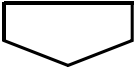
B

GO TO INSPECTION PROCEDURE 5

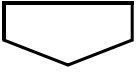
4

TROUBLESHOOT BASED ON THE SYMPTOM

- (a) Function check (See page SB-5.)
- (b) ECU terminals (See page SB-5.)

**5**

ADJUST, REPAIR OR REPLACE

**END****SB**

SB

B081794.J01

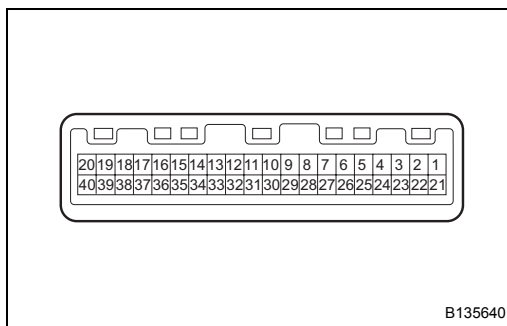
OPERATION CHECK

1. **INSPECT SEAT BELT WARNING LIGHT FOR DRIVER SEAT**
 - (a) Turn the ignition switch to the ON position.
 - (b) Check that the indicator assembly driver side seat belt warning light blinks when the seat belt is not fastened.
 - (c) Check that the indicator assembly driver side seat belt warning light goes off when the seat belt is fastened.
2. **INSPECT SEAT BELT WARNING LIGHT FOR PASSENGER SEAT**
 - (a) Turn the ignition switch to the ON position.
 - (b) Sit in the passenger seat and check that the passenger side seat belt warning light blinks when the seat belt is not fastened.
 - (c) Check that the passenger side seat belt warning light goes out when the seat belt is fastened.
3. **CHECK SEAT BELT WARNING BUZZER SOUNDING**
 - (a) Start the engine.
 - (b) When the seat belt is not fastened, check that the combination meter assembly buzzer sounds at 1.2 second intervals for approximately 30 seconds when the vehicle is driven at 20 km/h or more.
 - (c) Approximately 30 seconds after the buzzer has first sounded, check that the buzzer cycle changes to 0.4 seconds for approximately 90 seconds.
 - (d) Check that the buzzer stops approximately 120 seconds after it has first sounded.
 - (e) After the buzzer has stopped, turn the ignition switch off and then start the engine again. With the seat belt unfastened, drive the vehicle at approximately 20 km/h or more and check that the buzzer sounds again.
 - (f) After the buzzer has stopped, fasten the seat belt and drive the vehicle at approximately 20 km/h or more and check that the buzzer sounds when the seat belt is unfastened.
 - (g) After the buzzer has stopped, move the shift lever to R. Then move the shift lever to D and with the seat belt unfastened, drive the vehicle at approximately 20 km/h or more and check that the buzzer sounds again.

SB

ECU TERMINALS

1. **COMBINATION METER ASSEMBLY (METER ECU)**



Connector A

Terminal No.	Item	Measurement Condition	Standard
1 (TAIL) ↔ 15 (GND)	Voltage	IG OFF → IG ON, light control switch ON	1 V or less → 10 to 14 V
13 (+B) ↔ 15 (GND)	Voltage	Always	10 to 14 V

Terminal No.	Item	Measurement Condition	Standard
4 (P SEAT BLT IN) ↔ 15 (GND)	Continuity	Sit in the passenger seat, passenger side seat belt unfastened → fastened	Continuity → No continuity
35 (D SEAT BLT IN) ↔ 15 (GND)	Continuity	Driver side seat belt unfastened → fastened	Continuity → No continuity
38 (P SEAT BELT OUT) ↔ 15 (GND)	Voltage	IG ON, sit in passenger seat, passenger side seat belt unfastened → fastened	Alternating between 10 to 14 V ↔ 0 V
39 (D SEAT BELT OUT) ↔ 15 (GND)	Voltage	IG ON, sit in the driver's seat, driver side seat belt unfastened → fastened	Alternating between 10 to 14 V ↔ 0 V
15 (GND) ↔ Body ground	Continuity	Always	Continuity

SB

