

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

PEDESTRIAN ALERT SYSTEM (DIAGNOSTICS)

12.Diagnostic Procedure with Diagnostic Trouble Code (DTC)

A: DTC B1700 APPROACH INFORMATION SPEAKER ABNORMAL

DTC DETECTING CONDITION:

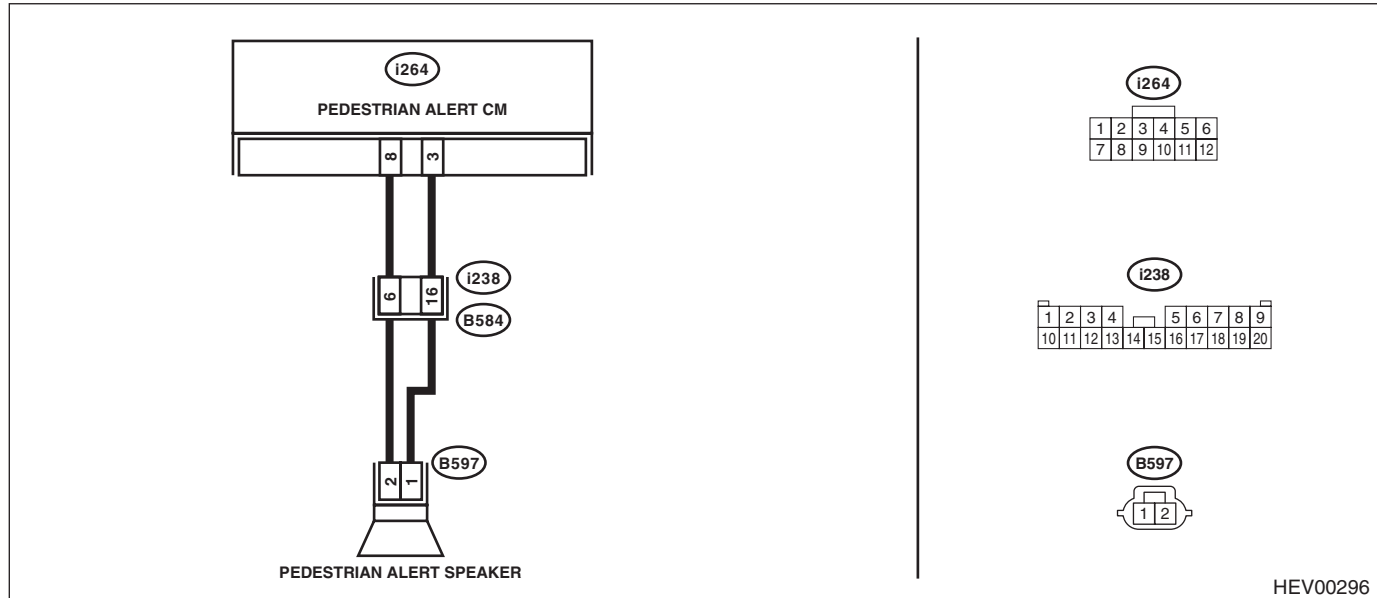
Detected when harness between pedestrian alert CM and pedestrian alert speaker is open or shorted, or when internal voice coil of pedestrian alert speaker is open or shorted.

TROUBLE SYMPTOM:

- No sound comes out from the pedestrian alert speaker during EV mode driving.
- After turning to IGN-ON, the light illuminates → blinks → illuminates.

WIRING DIAGRAM:

Pedestrian alert system <Ref. to WI(HEV)-216, WIRING DIAGRAM, Pedestrian Alert System.>



	Step	Check	Yes	No
1	CHECK DTC. Read DTCs of the pedestrian alert CM using the Subaru Select Monitor.	Is B1700 displayed?	Go to step 2.	Go to step 4.
2	CHECK CONNECTOR. 1) Turn the ignition switch to OFF. 2) Disconnect the pedestrian alert CM connector. 3) Check the pedestrian alert CM connector.	Is the connector OK?	Go to step 3.	Repair or replace the connector.
3	CHECK HARNESS (SHORT). Using the tester, measure the resistance between pedestrian alert CM connector (harness side). Connector & terminal (i264) No. 3 — (i264) No. 8:	Is the resistance less than 2 Ω?	Repair the pedestrian alert speaker or the short circuit of the harness. Go to step 5.	Go to step 4.
4	CHECK HARNESS (OPEN CIRCUIT). Using the tester, measure the resistance between pedestrian alert CM connector (harness side). Connector & terminal (i264) No. 3 — (i264) No. 8:	Is the resistance 20 Ω or more?	Repair the pedestrian alert speaker or the open circuit of the harness. Go to step 5.	Replace the pedestrian alert CM. <Ref. to PA-6, Pedestrian Alert Control Unit.>

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Step	Check	Yes	No
5 CHECK PEDESTRIAN ALERT SYSTEM. 1) Connect the disconnected connectors. 2) Using the Subaru Select Monitor, perform «Speaker Check» of the system operation check mode. <Ref. to PA(diag)-12, System Operation Check Mode.>	Does any sound come out from the pedestrian alert speaker?	Even if DTC is detected, the circuit has returned to a normal condition at this time. Reproduce the failure, and then perform the diagnosis again. NOTE: In this case, temporary poor contact of connector, temporary open or short circuit of harness may be the cause.	Replace the pedestrian alert CM. <Ref. to PA-6, Pedestrian Alert Control Unit.>

Diagnostics with Phenomenon

PEDESTRIAN ALERT SYSTEM (DIAGNOSTICS)

13.Diagnostics with Phenomenon

A: INSPECTION

Symptoms	Reference
When the ignition switch is turned on, the pedestrian alert warning light on the combination meter does not illuminate.	<Ref. to PA(diag)-17, PEDESTRIAN ALERT WARNING LIGHT DOES NOT ILLUMINATE, INSPECTION, Diagnostics with Phenomenon.>
No sound comes out immediately after the brake pedal is released when the vehicle stops.	<Ref. to PA(diag)-20, CHECK STOP LIGHT SWITCH CIRCUIT, INSPECTION, Diagnostics with Phenomenon.>
No sound comes out during EV mode driving (at 24 km/h (15 MPH) or less). Or speaker sound is very small. (Perform steps listed on the right column in numerical order.)	1. <Ref. to PA(diag)-18, CHECK POWER SUPPLY CIRCUIT, INSPECTION, Diagnostics with Phenomenon.>
	2. <Ref. to PA(diag)-21, CHECK P RANGE SWITCH CIRCUIT, INSPECTION, Diagnostics with Phenomenon.>
	3. <Ref. to PA(diag)-22, CHECK OIL PRESSURE SWITCH CIRCUIT, INSPECTION, Diagnostics with Phenomenon.>
	4. <Ref. to PA(diag)-23, CHECK VEHICLE SPEED SIGNAL CIRCUIT, INSPECTION, Diagnostics with Phenomenon.>
	5. Replace the pedestrian alert CM. <Ref. to PA-6, Pedestrian Alert Control Unit.>