

Air Conditioning Amplifier

DTC CODE	DETECTION ITEM	TROUBLE AREA	MEMORY*	DIAGNOSTIC NOTE
B1411/11	Room Temperature Sensor Circuit	<ul style="list-style-type: none"> - Front room temperature sensor - Harness or connector between room temperature sensor and air conditioning amplifier assembly - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	If the front side room temperature is approx. - 18.6°C (-1.48°F) or less, DTC B1411/11 may be stored even though the system is normal.
B1412/12	Ambient Temperature Sensor Circuit	<ul style="list-style-type: none"> - Ambient temperature sensor - Harness or connector between ambient temperature sensor and air conditioning amplifier assembly - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	If ambient temperature is approx. -52.9°C (-63.22°F) or less, a trouble code may be stored even though the system is normal.
B1413/13	Evaporator Temperature Sensor Circuit	<ul style="list-style-type: none"> - No. 1 cooler thermistor - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	-
B1417/17	Rear Evaporator Temperature Sensor Circuit	<ul style="list-style-type: none"> - Harness or connector between No. 2 air conditioning harness assembly and air conditioning amplifier assembly - No. 2 air conditioning harness assembly (rear evaporator temperature sensor) - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	-
B1418/18	Exhaust Gas Sensor Circuit	<ul style="list-style-type: none"> - Exhaust gas sensor (smog ventilation sensor) - Harness or connector between exhaust gas sensor (smog ventilation sensor) and air conditioning amplifier assembly - Air conditioning amplifier assembly 	-	-
B1419/19	Rear Room Temperature Sensor Circuit	<ul style="list-style-type: none"> - Rear room temperature sensor LH - Harness or connector between rear room temperature sensor LH and air conditioning amplifier assembly - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	If the rear driver side room temperature is approx. - 18.6°C (-1.48°F) or less, DTC B1419/19 may be stored even though the system is normal.

DTC CODE	DETECTION ITEM	TROUBLE AREA	MEMORY*	DIAGNOSTIC NOTE
B1421/21	Solar Sensor Circuit (Passenger Side)	<ul style="list-style-type: none"> - Automatic light control sensor (solar sensor) - Harness or connector between solar sensor and air conditioning amplifier assembly - Harness or connector between solar sensor and main body ECU (cowl side junction block LH) - Main body ECU (cowl side junction block LH) - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	If the check is performed in a dark place, DTC B1424/24 (solar sensor circuit (driver side)) may also be stored.
B1422/22	Compressor Lock Sensor Circuit	<ul style="list-style-type: none"> - Cooler compressor assembly (A/C lock sensor) - Compressor drive belt - Harness or connector between cooler compressor assembly and air conditioning amplifier assembly - Air conditioning amplifier assembly - CAN communication line 	-	-
B1423/23	Pressure Sensor Circuit	<ul style="list-style-type: none"> - Pressure sensor - Harness or connector - Cooler expansion valve (blocked, stuck) - Cooler condenser assembly (blocked, deterioration of cooling capacity due to dirt) - Cooler dryer (moisture in the refrigerant cycle cannot be absorbed) - Condenser fan (condenser cannot be cooled down) - Air conditioning system (leaks, blocked) - Refrigerant pipe line - Air conditioning amplifier assembly 	-	-
B1424/24	Solar Sensor Circuit (Driver Side)	<ul style="list-style-type: none"> - Automatic light control sensor (solar sensor) - Harness or connector between solar sensor and air conditioning amplifier assembly - Harness or connector between solar sensor and main body ECU (cowl side junction block LH) 	Stored (8.5 min. or more)	If the check is performed in a dark place, DTC B1421/21 (solar sensor circuit (passenger side)) may also be stored.

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		<ul style="list-style-type: none"> - Main body ECU (cowl side junction block LH) - Air conditioning amplifier assembly 		
B1429/29	Rear Air Foot Duct Sensor Circuit on Front Passenger Side	<ul style="list-style-type: none"> - Duct sensor RH - Harness or connector (duct sensor RH) - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	-
B1441/41	Air Mix Damper Control Servo Motor Circuit (Passenger Side)	<ul style="list-style-type: none"> - Air mix servo motor (for front passenger side) - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1442/42	Air Inlet Damper Control Servo Motor Circuit	<ul style="list-style-type: none"> - REC/FRS damper servo motor - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1443/43	Air Outlet Damper Control Servo Motor Circuit	<ul style="list-style-type: none"> - Air outlet damper servo motor (for driver side mode) - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1445/45	Passenger Side Cool Air Bypass Damper Control	<ul style="list-style-type: none"> - Cool air bypass damper servo motor - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1446/46	Air Mix Damper Control Servo Motor Circuit (Driver Side)	<ul style="list-style-type: none"> - Air mix damper servo motor (for driver side) - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1447/47	Rear Air Mix Damper Control Servo Motor Circuit on Driver Side	<ul style="list-style-type: none"> - Rear air mix damper servo motor LH - No. 2 air conditioning harness assembly - Harness or connector between No. 2 air conditioning harness assembly and air conditioning amplifier assembly 	Stored (30 sec.)	-

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		- Air conditioning amplifier assembly		
B1448/48	Passenger Side FACE Servo Motor Circuit	<ul style="list-style-type: none"> - Air outlet damper servo motor (for front passenger side mode) - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1449/49	Rear Air Outlet Damper Control Servo Motor Circuit	<ul style="list-style-type: none"> - Rear air outlet damper servo motor - No. 2 air conditioning harness assembly - Harness or connector between No. 2 air conditioning harness assembly and air conditioning amplifier assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1457/57	Driver Side Air Outlet Damper Control Servo Motor Circuit	<ul style="list-style-type: none"> - Front air mix damper servo motor (for driver side rear air flow) - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1458/58	Passenger Side Air Outlet Damper Control Servo Motor Circuit	<ul style="list-style-type: none"> - Front air mix damper servo motor (for front passenger side rear air flow) - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1461/61	Emission Gas NOx Sensor Circuit	<ul style="list-style-type: none"> - Exhaust gas sensor (smog ventilation sensor) - Harness or connector between exhaust gas sensor (smog ventilation sensor) and air conditioning amplifier assembly - Air conditioning amplifier assembly 	-	-
B1467/67	Rear Air Foot Duct Sensor Circuit on Driver Side	<ul style="list-style-type: none"> - Duct sensor LH - Harness or connector (duct sensor LH) - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	-

DTC CODE	DETECTION ITEM	TROUBLE AREA	MEMORY*	DIAGNOSTIC NOTE
B1468/68	Rear Passenger Side Room Temperature Sensor Circuit	<ul style="list-style-type: none"> - Rear room temperature sensor RH - Harness or connector between rear room temperature sensor RH and air conditioning amplifier assembly - Air conditioning amplifier assembly 	Stored (8.5 min. or more)	If the rear passenger side room temperature is approx. - 18.6°C (-1.48°F) or less, DTC B1468/68 may be stored even though the system is normal.
B1486/86	Driver Side Air Outlet Damper Control Servo Motor Circuit	<ul style="list-style-type: none"> - Air outlet damper servo motor (for rear seat mode) - Air conditioning harness assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1488/88	Rear Air Mix Damper Control Servo Motor Circuit on Front Passenger Side	<ul style="list-style-type: none"> - Rear air mix damper servo motor RH - No. 2 air conditioning harness assembly - Harness or connector between No. 2 air conditioning harness assembly and air conditioning amplifier assembly - Air conditioning amplifier assembly 	Stored (30 sec.)	-
B1497/97	BUS IC Communication Malfunction	<ul style="list-style-type: none"> - Air conditioning harness assembly - Air conditioning amplifier assembly 	-	-
B1499/99	Multiplex Communication Circuit	<ul style="list-style-type: none"> - Air conditioning amplifier assembly - ECM - Meter ECU - CAN communication line 	-	-