

List of Diagnostic Trouble Code (DTC)

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

13. List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Contents	Content of diagnosis	Index
B1601	In-Vehicle Sensor Short	In-vehicle air temperature sensor circuit is shorted.	<Ref. to AC(diag)-33, DTC B1601 IN-VEHICLE SENSOR SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1602	In-Vehicle Sensor Open	In-vehicle air temperature sensor circuit is open.	<Ref. to AC(diag)-34, DTC B1602 IN-VEHICLE SENSOR OPEN, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1603	Evaporator Sensor Circuit Short	Evaporator sensor circuit is shorted.	<Ref. to AC(diag)-35, DTC B1603 EVAPORATOR SENSOR SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1604	Evaporator Sensor Circuit Open	Evaporator sensor circuit is open.	<Ref. to AC(diag)-36, DTC B1604 EVAPORATOR SENSOR OPEN, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1605	Refrigerant Pressure Sensor Circuit Open	Pressure sensor circuit is open.	Displays current malfunction only. <Ref. to AC(diag)-37, DTC B1605 REFRIGERANT FLOW SENSOR CIRCUIT OPEN, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1606	Refrigerant Pressure Sensor Circuit Short	Pressure sensor circuit is shorted.	Displays current malfunction only. <Ref. to AC(diag)-38, DTC B1606 REFRIGERANT FLOW SENSOR CIRCUIT SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1607	Sunload Sensor Short	<ul style="list-style-type: none"> • Sunload sensor circuit is shorted. • No sunload 	<Ref. to AC(diag)-39, DTC B1607 SUNLOAD SENSOR SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1608	Sunload Sensor Open	Sunload sensor circuit is open.	<Ref. to AC(diag)-40, DTC B1608 SUNLOAD SENSOR OPEN, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1610	Airmix Door Actuator Potentiometer Circuit Open (Driver's)	Airmix door actuator — potentiometer circuit is open.	<Ref. to AC(diag)-41, DTC B1610 AIR MIX DOOR ACTUATOR POTENTIOMETER CIRCUIT OPEN (DRIVER'S), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1611	Airmix Door Actuator Potentiometer Circuit Short (Driver's)	Airmix door actuator — potentiometer circuit is shorted.	<Ref. to AC(diag)-43, DTC B1611 AIR MIX DOOR ACTUATOR POTENTIOMETER CIRCUIT SHORT (DRIVER'S), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1612	Airmix Door Actuator Lock (Driver's)	Mode door actuator is locked.	<Ref. to AC(diag)-45, DTC B1612 AIR MIX DOOR ACTUATOR LOCK (DRIVER'S), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1613	Airmix Door Actuator Potentiometer Circuit Open (Passenger's)	Airmix door actuator — potentiometer circuit is open.	<Ref. to AC(diag)-47, DTC B1613 AIR MIX DOOR ACTUATOR POTENTIOMETER CIRCUIT OPEN (PASSENGER'S), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1614	Airmix Door Actuator Potentiometer Circuit Short (Passenger's)	Airmix door actuator — potentiometer circuit is shorted.	<Ref. to AC(diag)-49, DTC B1614 AIR MIX DOOR ACTUATOR POTENTIOMETER CIRCUIT SHORT (PASSENGER'S), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1615	Airmix Door Actuator Lock (Passenger's)	Mode door actuator is locked.	<Ref. to AC(diag)-51, DTC B1615 AIR MIX DOOR ACTUATOR LOCK (PASSENGER'S), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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B1620	Mode Door Actuator Potentiometer Circuit Open	Mode door actuator — potentiometer circuit is open.	<Ref. to AC(diag)-53, DTC B1620 MODE DOOR ACTUATOR POTENTIOMETER CIRCUIT OPEN, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1621	Mode Door Actuator Potentiometer Circuit Short	Mode door actuator — potentiometer circuit is shorted.	<Ref. to AC(diag)-55, DTC B1621 MODE DOOR ACTUATOR POTENTIOMETER CIRCUIT SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1622	Mode Door Actuator Lock	Mode door actuator is locked.	<Ref. to AC(diag)-57, DTC B1622 MODE DOOR ACTUATOR LOCK, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0001	CAN Communication Bus Off	CAN communication bus off	Displays current malfunction only. <Ref. to AC(diag)-60, DTC U0001 CAN COMMUNICATION BUS OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0002	CAN Communication Error	CAN communication error	Displays current malfunction only. <Ref. to AC(diag)-60, DTC U0002 CAN COMMUNICATION ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
U0028	Heater Control Panel Communication Error	Communication with heater control panel is faulty.	Displays current malfunction only. <Ref. to AC(diag)-59, DTC U0028 HEATER CONTROL PANEL COMMUNICATION ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1641	Refrigerant Flow Sensor Circuit Short	Refrigerant flow sensor circuit is shorted.	Displays current malfunction only. <Ref. to AC(diag)-61, DTC B1641 REFRIGERANT FLOW SENSOR CIRCUIT SHORT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1642	Refrigerant Flow Sensor Circuit Open	Refrigerant flow sensor circuit is open.	Displays current malfunction only. <Ref. to AC(diag)-63, DTC B1642 REFRIGERANT FLOW SENSOR CIRCUIT OPEN, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1643	Variable Flow Change Solenoid Duty Circuit abnormal	Variable flow change solenoid duty circuit is open or shorted.	Displays current malfunction only. <Ref. to AC(diag)-65, DTC B1643 VARIABLE FLOW CHANGE SOLENOID DUTY CIRCUIT ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
B1644	Refrigerant not sealed drive error	Compressor is rotated before filling refrigerant.	<Ref. to AC(diag)-67, DTC B1644 REFRIGERANT NOT SEALED DRIVE ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>