DTC B1210:1F [ADVANCED KEYLESS ENTRY SYSTEM]

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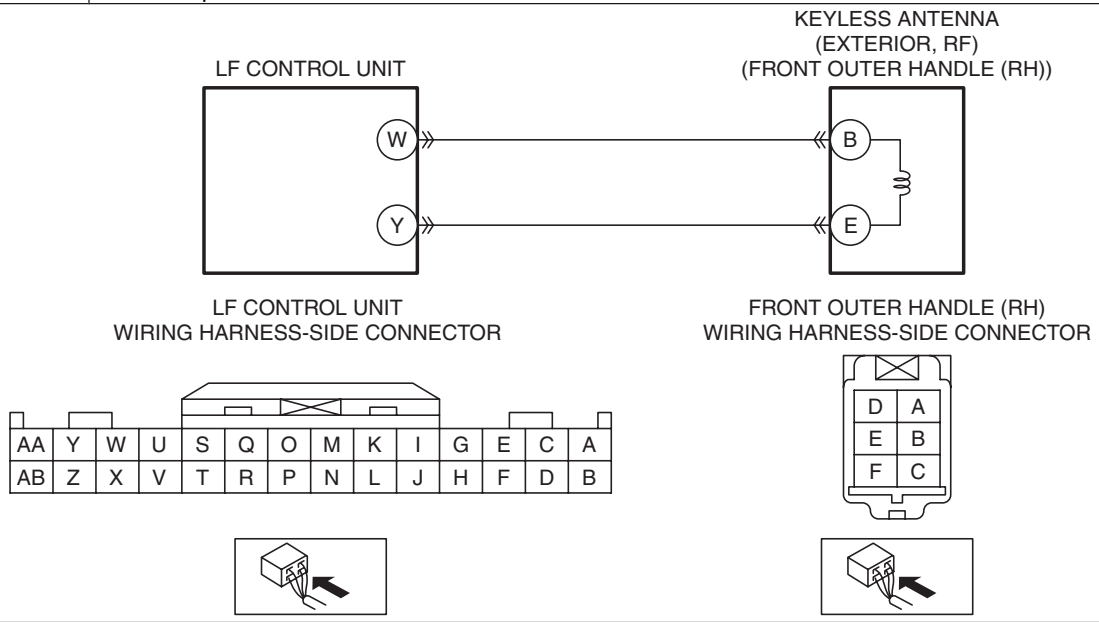
System malfunction location	**Keyless antenna (exterior, RF) circuit malfunction**
Detection condition	• The start stop unit detects an open circuit in the keyless antenna (exterior, RF) or a short to ground with the ignition switched off.
Fail-safe	• Inhibits the door lock/unlock control using the advanced keyless entry system.
Possible cause	• Front outer handle (RH) connector or terminal malfunction • LF control unit connector or terminal malfunction • Short to ground in wiring harness between the following terminals: — Between LF control unit terminal W and front outer handle (RH) terminal B — Between LF control unit terminal Y and front outer handle (RH) terminal E • Open circuit in wiring harness between the following terminals: — Between LF control unit terminal W and front outer handle (RH) terminal B — Between LF control unit terminal Y and front outer handle (RH) terminal E • LF control unit malfunction • Keyless antenna (exterior, RF) malfunction • Start stop unit malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**INSPECT FRONT OUTER HANDLE (RH) CONNECTOR CONDITION** • Switch the ignition to off. • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Disconnect the front outer handle (RH) connector. • Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. • Is the connector normal?	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 7.

Step	Inspection		Action
2	**INSPECT LF CONTROL UNIT CONNECTOR CONDITION** • Disconnect the LF control unit connector. • Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. • Is the connector normal?	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 7.
3	**INSPECT KEYLESS ANTENNA (EXTERIOR, RF) CIRCUIT FOR SHORT TO GROUND** • Verify that the LF control unit and front outer handle (RH) connectors are disconnected. • Inspect for continuity between the following terminals (vehicle wiring harness side) and body ground. — Front outer handle (RH) terminal B — Front outer handle (RH) terminal E • Is there continuity?	Yes	Repair or replace the wiring harness which is shorted to ground, then go to Step 7.
		No	Go to the next step.
4	**INSPECT FRONT OUTER HANDLE (RH) CIRCUIT FOR OPEN CIRCUIT** • Verify that the LF control unit and front outer handle (RH) connectors are disconnected. • Inspect the wiring harness between the following terminals (vehicle wiring harness side) for continuity. — Between LF control unit terminal W and front outer handle (RH) terminal B — Between LF control unit terminal Y and front outer handle (RH) terminal E • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness which has an open circuit, then go to Step 7.
5	**INSPECT LF CONTROL UNIT** • Inspect the LF control unit. (See LF CONTROL UNIT INSPECTION.) • Is the LF control unit normal?	Yes	Go to the next step.
		No	Replace the LF control unit, then go to Step 7. (See LF CONTROL UNIT REMOVAL/INSTALLATION.)
6	**PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS KEYLESS ANTENNA (EXTERIOR, RF)** • Reconnect all the disconnected connectors. • Reconnect the disconnected negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Clear DTCs for the advanced keyless entry system using the M-MDS. (See CLEARING DTC [ADVANCED KEYLESS ENTRY SYSTEM].) • Perform the advanced keyless entry system DTC inspection using the M-MDS. (See DTC INSPECTION [ADVANCED KEYLESS ENTRY SYSTEM].) • Is DTC B1210:1F displayed?	Yes	Replace the front outer handle (RH), then go to the next step. (See FRONT OUTER HANDLE REMOVAL/INSTALLATION.)
		No	Go to Step 8.

Step	Inspection		Action
7	**VERIFY THAT REPAIRS HAVE BEEN COMPLETED** • Reconnect all the disconnected connectors. • Reconnect the disconnected negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Clear DTCs for the advanced keyless entry system using the M-MDS. (See CLEARING DTC [ADVANCED KEYLESS ENTRY SYSTEM].) • Perform the advanced keyless entry system DTC inspection using the M-MDS. (See DTC INSPECTION [ADVANCED KEYLESS ENTRY SYSTEM].) • Is DTC B1210:1F displayed?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the start stop unit, then go to the next step. (See START STOP UNIT REMOVAL/INSTALLATION.)
		No	Go to the next step.
8	**VERIFY IF OTHER DTCs DISPLAYED** • Are any other DTCs displayed?	Yes	Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [ADVANCED KEYLESS ENTRY SYSTEM].)
		No	DTC troubleshooting completed.