


DTC B10D3:23 [ADVANCED KEYLESS ENTRY SYSTEM]

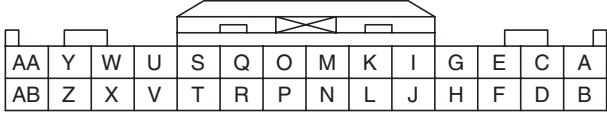

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System malfunction location	Request switch (RF) circuit malfunction
Detection condition	<ul style="list-style-type: none"> With the ignition switched ON (engine on), the start stop unit detects that the vehicle speed is 5 km/h {3 mph} or more for a continuous 2 min or more and the request switch (RF) is on 7 times or more until the vehicle speed is less than 5 km/h {3 mph}.
Fail-safe	—
Possible cause	<ul style="list-style-type: none"> Front outer handle (RH) connector or terminal malfunction LF control unit connector or terminal malfunction Short to ground in wiring harness between LF control unit terminal E and front outer handle (RH) terminal D Request switch (RF) malfunction LF control unit malfunction Start stop unit malfunction

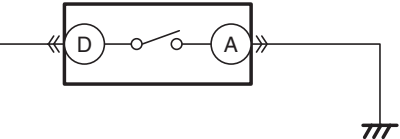
LF CONTROL UNIT



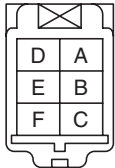

LF CONTROL UNIT
WIRING HARNESS-SIDE CONNECTOR

REQUEST SWITCH (RF)
(FRONT OUTER HANDLE (RH))



FRONT OUTER HANDLE (RH)
WIRING HARNESS-SIDE CONNECTOR

Diagnostic Procedure

Step	Inspection	Action
1	INSPECT FRONT OUTER HANDLE (RH) CONNECTOR CONDITION <ul style="list-style-type: none"> 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 6.

Step	Inspection	Action
2	INSPECT LF CONTROL UNIT CONNECTOR CONDITION <ul style="list-style-type: none"> • 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 6.
3	INSPECT REQUEST SWITCH (RF) CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> • Verify that the LF control unit and front outer handle (RH) connectors are disconnected. • Inspect for continuity between front outer handle (RH) terminal D (vehicle wiring harness side) and body ground. • Is there continuity? 	Yes Repair or replace the wiring harness which is shorted to ground, then go to Step 6.
		No Go to the next step.
4	INSPECT REQUEST SWITCH (RF) <ul style="list-style-type: none"> • Inspect the request switch (RF). (See REQUEST SWITCH INSPECTION.) • Is the request switch (RH) normal? 	Yes Go to the next step.
		No Replace the front outer handle (RH), then go to Step 6. (See FRONT OUTER HANDLE REMOVAL/INSTALLATION.)
5	INSPECT LF CONTROL UNIT <ul style="list-style-type: none"> • 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 the next step. (See LF CONTROL UNIT REMOVAL/INSTALLATION.)
6	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none"> • 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].) • Drive the vehicle at 5 km/h {3 mph} or more for 2 min or more. • Perform the advanced keyless entry system DTC inspection using the M-MDS. (See DTC INSPECTION [ADVANCED KEYLESS ENTRY SYSTEM].) • Is DTC B10D3:23 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.
7	VERIFY IF OTHER DTCs DISPLAYED <ul style="list-style-type: none"> • 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.