

DTC B1C82:97 [FRONT BODY CONTROL MODULE (FBCM)]

id0902p2009200

System malfunction location	Headlight cleaner motor switch circuit malfunction
Detection condition	• The front body control module (FBCM) detects a malfunction in headlight cleaner motor switch circuit for 2 min or more with the ignition switched ON (engine off or on).
Fail-safe	—
Possible cause	• Start stop unit malfunction • Wiper switch malfunction • Front body control module (FBCM) malfunction
System wiring diagram	—

Diagnostic Procedure

Step	Inspection	Action
1	VERIFY FRONT BODY CONTROL MODULE (FBCM) DTCs AGAIN <ul style="list-style-type: none">• Clear front body control module (FBCM) DTCs using the M-MDS. (See CLEARING DTC [FRONT BODY CONTROL MODULE (FBCM)].)• Switch the ignition ON (engine off or on) and wait for 2 min or more.• Perform the front body control module (FBCM) DTC inspection using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].)• Is DTC B1C82:97 displayed?	Yes Go to the next step.
		No Go to Step 4.
2	INSPECT WIPER SWITCH <ul style="list-style-type: none">• Inspect the wiper switch. (See WINDSHIELD WIPER AND WASHER SWITCH INSPECTION.)• Is the wiper switch normal?	Yes Replace the start stop unit, then go to the next step. (See START STOP UNIT REMOVAL/INSTALLATION.)
		No Replace the wiper and washer switch, then go to the next step. (See WIPER AND WASHER SWITCH REMOVAL/INSTALLATION.)
3	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 front body control module (FBCM) DTCs using the M-MDS. (See CLEARING DTC [FRONT BODY CONTROL MODULE (FBCM)].)• Switch the ignition ON (engine off or on) and wait for 2 min or more.• Perform the front body control module (FBCM) DTC inspection using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].)• Is DTC B1C82:97 displayed?	Yes Repeat the inspection from Step 1. <ul style="list-style-type: none">• If the malfunction recurs, replace the front body control module (FBCM), then go to the next step. (See FRONT BODY CONTROL MODULE (FBCM) REMOVAL/INSTALLATION.)
		No Go to the next step.

Step	Inspection		Action
4	VERIFY IF OTHER DTCs DISPLAYED • Are any other DTCs displayed?	Yes	Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [FRONT BODY CONTROL MODULE (FBCM)].)
		No	DTC troubleshooting completed.