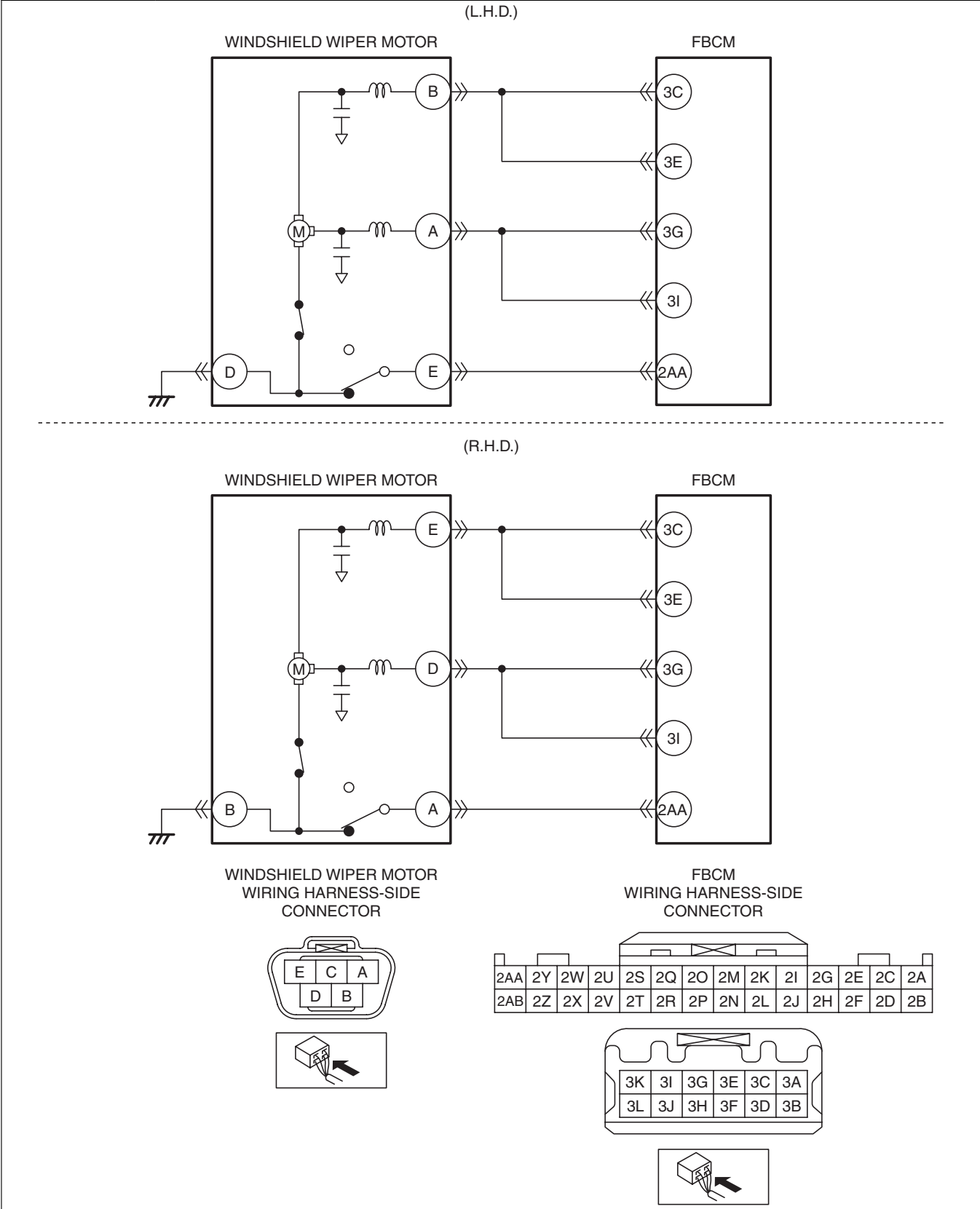


DTC B1095:72/B1095:73 [FRONT BODY CONTROL MODULE (FBCM)]

id0902p2007000

System malfunction location	Autostop switch circuit malfunction
Detection condition	<ul style="list-style-type: none"> The front body control module (FBCM) detects that the autostop switch is stuck closed with the ignition switched ON (engine off or on).
Fail-safe	—
Possible cause	<ul style="list-style-type: none"> Windshield wiper motor connector or terminal malfunction Front body control module (FBCM) connector or terminal malfunction Short to ground in wiring harness between the following terminals: <ul style="list-style-type: none"> — L.H.D. <ul style="list-style-type: none"> Windshield wiper motor terminal B and front body control module (FBCM) terminal 3C Windshield wiper motor terminal B and front body control module (FBCM) terminal 3E Windshield wiper motor terminal A and front body control module (FBCM) terminal 3G Windshield wiper motor terminal A and front body control module (FBCM) terminal 3I Windshield wiper motor terminal E and front body control module (FBCM) terminal 2AA — R.H.D. <ul style="list-style-type: none"> Windshield wiper motor terminal E and front body control module (FBCM) terminal 3C Windshield wiper motor terminal E and front body control module (FBCM) terminal 3E Windshield wiper motor terminal D and front body control module (FBCM) terminal 3G Windshield wiper motor terminal D and front body control module (FBCM) terminal 3I Windshield wiper motor terminal A and front body control module (FBCM) terminal 2AA Open circuit in wiring harness between the following terminals: <ul style="list-style-type: none"> — L.H.D. <ul style="list-style-type: none"> Windshield wiper motor terminal B and front body control module (FBCM) terminal 3C Windshield wiper motor terminal B and front body control module (FBCM) terminal 3E Windshield wiper motor terminal A and front body control module (FBCM) terminal 3G Windshield wiper motor terminal A and front body control module (FBCM) terminal 3I Windshield wiper motor terminal E and front body control module (FBCM) terminal 2AA — R.H.D. <ul style="list-style-type: none"> Windshield wiper motor terminal E and front body control module (FBCM) terminal 3C Windshield wiper motor terminal E and front body control module (FBCM) terminal 3E Windshield wiper motor terminal D and front body control module (FBCM) terminal 3G Windshield wiper motor terminal D and front body control module (FBCM) terminal 3I Windshield wiper motor terminal A and front body control module (FBCM) terminal 2AA Windshield wiper motor malfunction Front body control module (FBCM) malfunction

System malfunction location	Autostop switch circuit malfunction
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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). Perform the front body control module (FBCM) DTC inspection using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].) Is the DTC B1095:72, or B1095:73 also present? 	Yes	Go to the next step.
		No	Go to Step 8.
2	INSPECT WINDSHIELD WIPER MOTOR 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 windshield wiper motor 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 FRONT BODY CONTROL MODULE (FBCM) CONNECTOR CONDITION <ul style="list-style-type: none"> Disconnect the front body control module (FBCM) 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.
4	INSPECT WINDSHIELD WIPER MOTOR CONTROL CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> Verify that the windshield wiper motor and front body control module (FBCM) connectors are disconnected. Inspect for continuity between the following terminals (vehicle wiring harness side) and body ground. <ul style="list-style-type: none"> Front body control module (FBCM) terminal 3C Front body control module (FBCM) terminal 3E Front body control module (FBCM) terminal 3G Front body control module (FBCM) terminal 3I Front body control module (FBCM) terminal 2AA Is there continuity? 	Yes	Repair or replace the wiring harness, then go to Step 7.
		No	Go to the next step.

Step	Inspection	Action	
5	INSPECT WINDSHIELD WIPER MOTOR CONTROL CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> • Verify that the windshield wiper motor and front body control module (FBCM) connectors are disconnected. • Switch the ignition to off. • Inspect the wiring harness between the following terminals (vehicle wiring harness side) for continuity. <ul style="list-style-type: none"> — L.H.D. <ul style="list-style-type: none"> • Windshield wiper motor terminal B and front body control module (FBCM) terminal 3C • Windshield wiper motor terminal B and front body control module (FBCM) terminal 3E • Windshield wiper motor terminal A and front body control module (FBCM) terminal 3G • Windshield wiper motor terminal A and front body control module (FBCM) terminal 3I • Windshield wiper motor terminal E and front body control module (FBCM) terminal 2AA — R.H.D. <ul style="list-style-type: none"> • Windshield wiper motor terminal E and front body control module (FBCM) terminal 3C • Windshield wiper motor terminal E and front body control module (FBCM) terminal 3E • Windshield wiper motor terminal D and front body control module (FBCM) terminal 3G • Windshield wiper motor terminal D and front body control module (FBCM) terminal 3I • Windshield wiper motor terminal A and front body control module (FBCM) terminal 2AA • Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to Step 7.
6	INSPECT WINDSHIELD WIPER MOTOR <ul style="list-style-type: none"> • Inspect the windshield wiper motor. (See WINDSHIELD WIPER MOTOR INSPECTION.) • Is the windshield wiper motor normal? 	Yes	Go to the next step.
		No	Replace the windshield wiper motor, then go to the next step. (See WINDSHIELD WIPER MOTOR AND LINK REMOVAL/INSTALLATION.)

Step	Inspection	Action
7	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). • Perform the DTC inspection for the front body control module (FBCM) using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].) • Is the DTC B1095:72, or B1095:73 also present? 	Yes Repeat the inspection from Step 1. • 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.
8	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 [FRONT BODY CONTROL MODULE (FBCM)].)
		No DTC troubleshooting completed.