

DTC B2181

B3E090201072W34

DTC B2181	Front wiper switch (fast) circuit short to ground
DETECTION CONDITION	Short to GND in wiring harness between PJB and windshield wiper and washer switch (high)
POSSIBLE CAUSE	<ul style="list-style-type: none"> • Short to GND in wiring harness between PJB terminal J-04 C and windshield wiper and washer switch terminal E • Windshield wiper and washer switch malfunction • PJB malfunction
<p>WINDSHIELD WIPER AND WASHER SWITCH</p> <p>PJB</p> <p>WINDSHIELD WIPER AND WASHER SWITCH WIRING HARNESS-SIDE CONNECTOR</p> <p>PJB WIRING HARNESS-SIDE J-04 CONNECTOR</p>	

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT WINDSHIELD WIPER AND WASHER SWITCH CONNECTOR <ul style="list-style-type: none"> • Disconnect the windshield wiper and washer switch connector. • Inspect the windshield wiper and washer switch connector terminals for poor connection (such as damaged/pulled-out pins, and corrosion). • Is there any malfunction? 	Yes Repair or replace the terminal, then go to Step 5.
		No Go to the next step.
2	INSPECT PJB CONNECTOR <ul style="list-style-type: none"> • Disconnect the PJB connector. • Inspect the PJB connector terminals for poor connection (such as damaged/pulled-out pins, and corrosion). • Is there any malfunction? 	Yes Repair or replace the terminal, then go to Step 5.
		No Go to the next step.
3	INSPECT WINDSHIELD WIPER AND WASHER SWITCH SIGNAL CIRCUIT FOR SHORT TO GND <ul style="list-style-type: none"> • Inspect for continuity between PJB terminal J-04 C (wiring harness-side) and body GND. • Is there continuity? 	Yes Repair or replace the wiring harness for a possible short to GND, then go to Step 5.
		No Go to the next step.
	INSPECT WINDSHIELD WIPER AND WASHER SWITCH <ul style="list-style-type: none"> • Inspect the windshield wiper and washer switch. 	Yes Replace the windshield wiper and washer switch, then go to the next step.

4	(See WINDSHIELD WIPER AND WASHER SWITCH INSPECTION.) • Is there any malfunction?		(See WIPER AND WASHER SWITCH REMOVAL/INSTALLATION.)
		No	Go to the next step.
5	VERIFY TROUBLESHOOTING COMPLETED • Make sure to reconnect all disconnected connectors. • Clear the DTC from the PJB memory using the WDS or equivalent. • Perform the self-test. (See PJB SELF-TEST.) • Is the same DTC present?	Yes	Replace the PJB. (See PASSENGER JUNCTION BOX (PJB) REMOVAL/INSTALLATION.)
		No	DTC troubleshooting completed.