

# DTC B2180

B3E090201072W33

DTC B2180	Front wiper switch (slow) circuit short to ground
<b>DETECTION CONDITION</b>	Short to GND in wiring harness between PJB and windshield wiper and washer switch (low)
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>• Short to GND in wiring harness between PJB terminal J-04 G and windshield wiper and washer switch terminal I</li> <li>• Windshield wiper and washer switch malfunction</li> <li>• PJB malfunction</li> </ul>

## Diagnostic procedure

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

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