

## DTC B2177

B3E090200200W05

DTC B2177	Intruder sensor circuit failure
<b>DETECTION CONDITION</b>	Intruder sensor malfunction or circuit malfunction
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>• Open circuit in wiring harness between PJB terminal J-06 R and intruder sensor terminal B</li> <li>• Short to power supply in wiring harness between PJB terminal J-06 R and intruder sensor terminal B</li> <li>• Short to GND in wiring harness between PJB terminal J-06 R and intruder sensor terminal B</li> <li>• Intruder sensor malfunction</li> <li>• PJB malfunction</li> </ul>
<div style="text-align: center;"> </div>	

### Diagnostic procedure

STEP	INSPECTION	ACTION
1	<b>INSPECT INTRUDER SENSOR CONNECTOR</b> <ul style="list-style-type: none"> <li>• Turn the ignition switch off.</li> <li>• Disconnect the intruder sensor connector.</li> <li>• Inspect the intruder sensor 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 6.
		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 6.
		No Go to the next step.
3	<b>INSPECT INTRUDER SENSOR SIGNAL CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>• Inspect for continuity between PJB terminal J-06 R (wiring harness-side) and intruder sensor terminal B (wiring harness-side)</li> <li>• Is there continuity?</li> </ul>	Yes Go to the next step.
		No Repair or replace the wiring harness for a possible open circuit, then go to Step 6.

4	<b>INSPECT INTRUDER SENSOR SIGNAL CIRCUIT FOR SHORT TO GND</b> <ul style="list-style-type: none"> <li>Inspect for continuity between PJB terminal J-06 R (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 6.
		No	Go to the next step.
5	<b>INSPECT INTRUDER SENSOR SIGNAL CIRCUIT FOR SHORT TO POWER SUPPLY</b> <ul style="list-style-type: none"> <li>Turn the ignition switch to the ON position (Engine off).</li> <li>Measure the voltage between PJB terminal J-06 R (wiring harness-side) and body GND.</li> <li>Is the voltage <b>B+</b>?</li> </ul>	Yes	Repair or replace the wiring harness for a possible short to power supply, then go to the next step.
		No	Replace the intruder sensor, then go to the next step. (See <a href="#">INTRUDER SENSOR REMOVAL/INSTALLATION.</a> )
6	<b>VERIFY TROUBLESHOOTING COMPLETED</b> <ul style="list-style-type: none"> <li>Make sure to reconnect all disconnected connectors.</li> <li>Clear the DTC from the PJB memory using the WDS or equivalent.</li> <li>Turn the ignition switch to off then ON.</li> <li>Is the same DTC present?</li> </ul>	Yes	Replace the PJB. (See <a href="#">PASSENGER JUNCTION BOX (PJB) REMOVAL/INSTALLATION.</a> )
		No	Troubleshooting completed.