
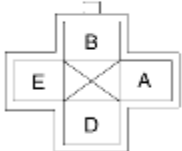

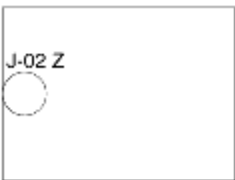
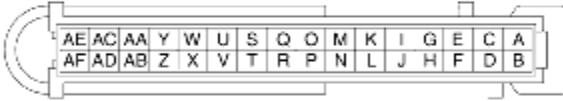



## DTC B2258

B3E090201072W37

DTC B2258	Headlight washer relay circuit short to battery
<b>DETECTION CONDITION</b>	Open circuit or short to power supply or GND in wiring harness between PJB and headlight cleaner relay
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>• Open circuit in wiring harness between PJB terminal J-02 Z and headlight cleaner relay terminal D</li> <li>• Short to GND in wiring harness between PJB terminal J-02 Z and headlight cleaner relay terminal D</li> <li>• Short to power supply in wiring harness between PJB terminal J-02 Z and headlight cleaner relay terminal D</li> <li>• Headlight cleaner relay malfunction</li> <li>• PJB malfunction</li> </ul>
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>HEADLIGHT CLEANER RELAY</p>  <p>HEADLIGHT CLEANER RELAY WIRING HARNESS-SIDE CONNECTOR</p>   </div> <div style="text-align: center;"> <p>PJB</p>  <p>PJB WIRING HARNESS-SIDE J-02 CONNECTOR</p>   </div> </div>	

### Diagnostic procedure

STEP	INSPECTION	ACTION
1	<b>INSPECT HEADLIGHT CLEANER RELAY CONNECTOR</b> <ul style="list-style-type: none"> <li>• Turn the ignition switch off.</li> <li>• Disconnect the headlight cleaner relay connector.</li> <li>• Inspect the headlight cleaner relay 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 7.
		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 7.
		No Go to the next step.
	<b>INSPECT HEADLIGHT CLEANER RELAY CONTROL CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>• Inspect for continuity between PJB terminal J-02</li> </ul>	Yes Go to the next step.

3	Z (wiring harness-side) and headlight cleaner relay terminal D (wiring harness-side). • Is there continuity?	No	Repair or replace the wiring harness for a possible open circuit, then go to Step 7.
4	<b>INSPECT HEADLIGHT CLEANER RELAY CONTROL CIRCUIT FOR SHORT TO GND</b> • Inspect for continuity between PJB terminal J-02 Z (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 7.
		No	Go to the next step.
5	<b>INSPECT HEADLIGHT CLEANER RELAY CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY</b> • Turn the ignition switch to the ON position (Engine off). • Measure the voltage between PJB terminal J-02 Z (wiring harness-side) and body GND. • Is the voltage <b>B+</b> ?	Yes	Repair or replace the wiring harness for a possible short to power supply, then go to Step 7.
		No	Go to the next step.
6	<b>INSPECT HEADLIGHT CLEANER RELAY</b> • Inspect the headlight cleaner relay. (See <a href="#">RELAY INSPECTION</a> .) • Is there any malfunction?	Yes	Replace the headlight cleaner relay, then go to the next step.
		No	Go to the next step.
7	<b>VERIFY TROUBLESHOOTING COMPLETED</b> • Make sure to reconnect all disconnected connectors. • Clear the DTC from the PJB memory using the WDS or equivalent. • Turn the ignition switch to LOCK position then ON position. • Is the same DTC present?	Yes	Replace the PJB. (See <a href="#">PASSENGER JUNCTION BOX (PJB) REMOVAL/INSTALLATION</a> .)
		No	DTC troubleshooting completed.