

DTC B1812

B3E090201072W26

DTC B1812	Backup light switch input circuit short to battery
DETECTION CONDITION	Short to power supply in wiring harness between PJB and back-up light switch
POSSIBLE CAUSE	<ul style="list-style-type: none"> • Short to power supply in wiring harness between PJB terminal J-01 AE and back-up light switch terminal B (MTX) • Short to power supply in wiring harness between PJB terminal J-01 AE and TR switch terminal D (ATX) • Back-up light switch malfunction (MTX) • TR switch malfunction (ATX) • PJB malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT BACK-UP LIGHT SWITCH CONNECTOR <ul style="list-style-type: none"> • Turn the ignition switch off. • Disconnect the back-up light switch connector. (MTX) • Disconnect the TR switch connector. (ATX) • Inspect the 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.
	INSPECT PJB CONNECTOR <ul style="list-style-type: none"> • Disconnect the PJB connector. • Inspect the PJB connector terminals for poor connection. 	Yes: Repair or replace the terminal, then go to Step 5. No: Go to the next step.

2	<p>connection (such as damaged/pulled-out pins, and corrosion).</p> <ul style="list-style-type: none"> • Is there any malfunction? 	No	Go to the next step.
3	<p>INSPECT BACK-UP LIGHT SWITCH SIGNAL CIRCUIT FOR SHORT TO POWER SUPPLY</p> <ul style="list-style-type: none"> • Turn the ignition switch to the ON position (Engine off). • Measure the voltage between PJB terminal J-01 AE (wiring harness-side) and body GND. • Is the voltage B+? 	Yes	Repair or replace the wiring harness for a possible short to power supply, then go to Step 5.
		No	Go to the next step.
4	<p>INSPECT BACK-UP LIGHT SWITCH</p> <ul style="list-style-type: none"> • Inspect the back-up light switch. (MTX) (See BACK-UP LIGHT SWITCH INSPECTION.) • Inspect the TR switch. (ATX) (See TRANSAXLE RANGE (TR) SWITCH INSPECTION.) • Is there any malfunction? 	Yes	Replace the back-up light switch (MTX) or TR switch (ATX), then go to the next step. (See BACK-UP LIGHT SWITCH REMOVAL/INSTALLATION.) (See TRANSAXLE RANGE (TR) SWITCH REMOVAL/INSTALLATION.)
		No	Go to the next step.
5	<p>VERIFY TROUBLESHOOTING COMPLETED</p> <ul style="list-style-type: none"> • 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.