

DTC B1607

B3E090201072W22

DTC B1607	Key illumination circuit short to battery
DETECTION CONDITION	Short to power supply in wiring harness between PJB and key illumination
POSSIBLE CAUSE	<ul style="list-style-type: none"> Short to power supply in wiring harness between PJB terminal J-03 AB and key illumination terminal A Ignition key illumination malfunction PJB malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT KEY ILLUMINATION CONNECTOR <ul style="list-style-type: none"> Turn the ignition switch off. Disconnect the key illumination connector. Inspect the key illumination 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 KEY ILLUMINATION SIGNAL CIRCUIT FOR SHORT TO POWER SUPPLY <ul style="list-style-type: none"> Turn the ignition switch to the ON position (Engine off). Measure the voltage between PJB terminal J-03 AB (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.
		Replace the key illumination, then go to the

4	INSPECT KEY ILLUMINATION <ul style="list-style-type: none"> Inspect the key illumination. Is there any malfunction? 	Yes	next step. (See IGNITION KEY ILLUMINATION BULB REMOVAL/INSTALLATION.)
		No	Go to the next step.
5	VERIFY TROUBLESHOOTING COMPLETED <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.