

DTC B1318

B3E090201072W07

DTC B1318	Battery voltage low
DETECTION CONDITION	Input voltage from the battery is excessively low
POSSIBLE CAUSE	<ul style="list-style-type: none"> • Open circuit in wiring harness between PJB terminal J-01 F and battery • Open circuit in wiring harness between PJB terminal J-03 AP and battery • Short to GND in wiring harness between PJB terminal J-01 F and battery • Short to GND in wiring harness between PJB terminal J-03 AP and battery • Battery malfunction • Generator malfunction • PJB malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT DTC FROM PCM <ul style="list-style-type: none"> • Connect the WDS or equivalent to the DLC-2. • Are any DTCs from the PCM displayed? 	Yes Perform DTC inspection. (See DTC TABLE [LF] .) (See DTC TABLE [ZJ, Z6] .) Go to Step 5.
		No Go to the next step.
	INSPECT PJB CONNECTOR <ul style="list-style-type: none"> • Disconnect the PJB connector. 	Yes Repair or replace the terminal, then go to Step

2	<ul style="list-style-type: none"> Inspect the PJB connector terminals for poor connection (such as damaged/pulled-out pins, and corrosion). Is there any malfunction? 		5.
		No	Go to the next step.
3	INSPECT PJB POWER SUPPLY CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> Disconnect the negative battery cable. Disconnect the positive battery cable. Inspect for continuity between following terminals: <ul style="list-style-type: none"> - PJB terminal J-01 F (wiring harness-side) - battery positive terminal (wiring harness-side) - PJB terminal J-03 AP (wiring harness-side) - battery positive terminal (wiring harness-side) Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to Step 5.
4	INSPECT PJB POWER SUPPLY CIRCUIT FOR SHORT TO GND <ul style="list-style-type: none"> Inspect for continuity between following terminals: <ul style="list-style-type: none"> - PJB terminal J-01 F (wiring harness-side) - body GND - PJB terminal J-03 AP (wiring harness-side) - body GND Is there continuity? 	Yes	Repair or replace the wiring harness for a possible short to GND, then go to the next step.
		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. Turn the ignition switch to LOCK position then ON position. Is the same DTC present? 	Yes	Replace the PJB. (See PASSENGER JUNCTION BOX (PJB) REMOVAL/INSTALLATION.)
		No	DTC troubleshooting completed.