

DTC B1002

B3E090201072W03

DTC B1002	Auto leveling function failure
DETECTION CONDITION	Open circuit or short to power supply in wiring harness between PJB and auto leveling control module
POSSIBLE CAUSE	<ul style="list-style-type: none"> • Open circuit in wiring harness between PJB terminal J-03 Q and auto leveling control module terminal M • Short to power supply in wiring harness between PJB terminal J-03 Q and auto leveling control module terminal M • Auto leveling control module malfunction • PJB malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	INSPECT AUTO LEVELING CONTROL MODULE CONNECTOR • Turn the ignition switch off. • Disconnect the auto leveling control module connector. • Inspect the auto leveling control module 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 6.
		No	Go to the next step.
2	INSPECT PJB CONNECTOR • 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 6.
		No	Go to the next step.
3	INSPECT AUTO LEVELING CONTROL CIRCUIT FOR OPEN CIRCUIT • Inspect for continuity between PJB terminal J-03 Q (wiring harness-side) and auto leveling control	Yes	Go to the next step.
			Repair or replace the wiring harness for a

	module terminal M (wiring harness-side). • Is there continuity?	No	possible open circuit, then go to Step 6.
4	INSPECT AUTO LEVELING CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY • Turn the ignition switch to the ON position (Engine off). • Measure the voltage between PJB terminal J-03 Q (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 6.
		No	Go to the next step.
5	INSPECT PJB • Inspect the PJB. (See PASSENGER JUNCTION BOX (PJB) INSPECTION .) • Is there any malfunction?	Yes	Replace the PJB, then go to the next step. (See PASSENGER JUNCTION BOX (PJB) REMOVAL/INSTALLATION .)
		No	Go to the next step.
6	VERIFY TROUBLESHOOTING COMPLETED • 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 auto leveling control module. (See AUTO LEVELING CONTROL MODULE REMOVAL/INSTALLATION .)
		No	DTC troubleshooting completed.