

NO.4 BOTH ABS WARNING LIGHT AND BRAKE SYSTEM WARNING LIGHT STAY ON 4 S OR MORE WHEN THE IGNITION SWITCH IS TURNED TO THE ON POSITION

B3E040367650W08

4	Both ABS warning light and BRAKE system warning light stay on 4 s or more when the ignition switch is turned to the ON position.
[TROUBLESHOOTING HINTS]	
<ul style="list-style-type: none"> • ABS HU/CM detects ABS proportioning system malfunction. • ABS HU/CM detects low voltage in power supply (ABS CM ignition terminal N voltage is below approx. 8 V). • ABS HU/CM does not operate. • Malfunction of communication network 	

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	INSPECT ABS HU/CM POWER SUPPLY FUSE • Is the ABS HU/CM ignition power supply fuse normal?	Yes	Go to the next step. Inspect for a short to ground on blown fuse's circuit.
		No	Repair or replace if necessary. Install appropriate amperage fuse.
2	INSPECT WIRING HARNESS BETWEEN ABS HU/CM AND DLC-2 FOR CONTINUITY AND SHORT CIRCUIT • Perform DTC inspection. • Is any error message displayed regarding communication between the ABS HU/CM and WDS or equivalent?	Yes	If the communication error message is displayed even after inspecting according to the procedure displayed on the WDS or equivalent, go to step 6.
		No	Go to the next step.
3	INSPECT FOR DTCs IN ABS HU/CM • Have DTCs been stored in memory?	Yes	Perform the applicable DTC inspection. (See DTC Table .)
		No	Inspect the instrument cluster. If the instrument cluster is normal, go to the next step. If the instrument cluster has some malfunction, repair the instrument cluster, then go to the next step.
4	INSPECT BATTERY • Is the battery voltage normal?	Yes	Go to the next step.
		No	Inspect the battery and charging system. (See BATTERY INSPECTION .) (See GENERATOR INSPECTION [ZJ, Z6] .) (See GENERATOR INSPECTION [LF] .)
5	INSPECT CHARGING SYSTEM • Is the battery voltage normal with electrical load (such as A/C, headlight) on and engine idling?	Yes	Go to the next step.
		No	Inspect the charging system (such as drive belt tension and generator). (See GENERATOR INSPECTION [ZJ, Z6] .) (See GENERATOR INSPECTION [LF] .)
	INSPECT ABS HU/CM IGNITION POWER SUPPLY SYSTEM (TERMINAL N)		Replace the ABS HU/CM (open or short in ground circuit)

6	<ul style="list-style-type: none"> • Disconnect the ABS HU/CM connector. • Turn the ignition switch to the ON position. • Inspect the voltage of connector terminal N. <p>Specification: approx. 8 V</p> <ul style="list-style-type: none"> • Is the voltage within the specification? 	Yes	in the ABS HU/CM). (See ABS HU/CM REMOVAL/INSTALLATION.)
		No	Repair the wiring harness between the ABS HU/CM and ground.
7	<p>INSPECT WIRING HARNESS BETWEEN ABS HU/CM GROUND FOR CONTINUITY</p> <ul style="list-style-type: none"> • Turn the ignition switch to the LOCK position. • Is there continuity between connector terminal B and ground? 	Yes	If a malfunction error message is displayed on the WDS or equivalent in Step 1 inspection, go to the next step. If a malfunction error message is not displayed on the WDS or equivalent in Step 1 inspection, troubleshooting is completed.
		No	Repair the wiring harness between the ABS HU/CM and ground.
8	<p>INSPECT WIRING HARNESS BETWEEN ABS HU/CM AND DLC-2 FOR CONTINUITY</p> <ul style="list-style-type: none"> • Is there continuity between connector terminal H, L and DLC-2? 	Yes	Go to the next step.
		No	Repair the wiring harness between the ABS HU/CM and DLC-2.
9	<p>INSPECT WIRING HARNESS BETWEEN ABS HU/CM AND DLC-2 FOR SHORT TO POWER SUPPLY</p> <ul style="list-style-type: none"> • Is the voltage approx. 12 V at connector terminal H, L? 	Yes	Repair the wiring harness between the ABS HU/CM and DLC-2.
		No	Go to the next step.
10	<p>INSPECT WIRING HARNESS BETWEEN ABS HU/CM AND DLC-2 FOR SHORT TO GROUND</p> <ul style="list-style-type: none"> • Is there continuity between connector terminal H, L and DLC-2? 	Yes	Repair the wiring harness between the ABS HU/CM and DLC-2.
		No	Replace the ABS HU/CM (communication circuit malfunction in ABS HU/CM). (See ABS HU/CM REMOVAL/INSTALLATION.)

ABS HU/CM WIRING HARNESS-SIDE CONNECTOR



INSTRUMENT CLUSTER WIRING HARNESS-SIDE CONNECTOR

