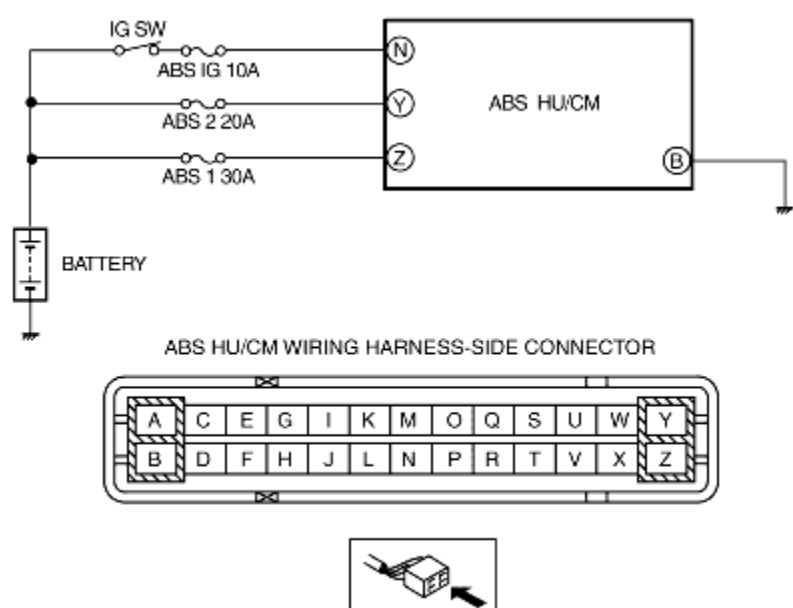


## DTC B1317, B1318 [ABS]


B3E040243000W03

DTC	B1317, B1318	Power supply system
DETECTION CONDITION	<ul style="list-style-type: none"><li>• B1317<ul style="list-style-type: none"><li>- High ignition voltage (<b>16 V or more</b>) is detected at the voltage monitor of the solenoid valve or motor monitor.</li></ul></li><li>• B1318<ul style="list-style-type: none"><li>- When driving the vehicle at <b>20 km/h {12.4 mph} or more</b>, low ignition voltage (<b>10 V or less</b>) is detected at the voltage monitor of the solenoid valve or motor monitor.</li></ul></li></ul>	
	<ul style="list-style-type: none"><li>• ABS 1 30A/ABS 2 20A/ABS IG 10A fuse malfunction</li><li>• Open or short circuit in wiring harness between ABS HU/CM terminal N and battery</li><li>• Open or short circuit in wiring harness between ABS HU/CM terminal Y and battery</li><li>• Open or short circuit in wiring harness between ABS HU/CM terminal Z and battery</li><li>• Open circuit in wiring harness between ABS HU/CM terminal B and body ground</li><li>• Battery deterioration</li><li>• Generator malfunction</li><li>• Poor connection at connectors (female terminal)</li></ul>	



ABS HU/CM WIRING HARNESS-SIDE CONNECTOR

A	C	E	G	I	K	M	O	Q	S	U	W	Y
B	D	F	H	J	L	N	P	R	T	V	X	Z



### Diagnostic procedure

STEP	INSPECTION	ACTION
1	<b>INSPECT BATTERY VOLTAGE</b> <ul style="list-style-type: none"> <li>• Is the battery positive terminal voltage normal?</li> </ul>	Yes Inspect for normal connection of the battery terminals. Go to the next step.
		No Charge or replace the battery, then go to Step 6. (See <a href="#">BATTERY RECHARGING.</a> ) (See <a href="#">BATTERY REMOVAL/INSTALLATION [ZJ, Z6].</a> ) (See <a href="#">BATTERY REMOVAL/INSTALLATION</a> )

			<a href="#">[LF].)</a>
2	<b>INSPECT BATTERY GRAVITY</b> • Is battery specific gravity as specified?	Yes	Go to the next step.
		No	Replace the battery, then go to Step 6. (See <a href="#">BATTERY REMOVAL/INSTALLATION [ZJ, Z6].)</a> (See <a href="#">BATTERY REMOVAL/INSTALLATION [LF].)</a>
3	<b>INSPECT CHARGING SYSTEM</b> • Are the generator and the drive belt tensions normal?	Yes	Go to the next step.
		No	Replace the generator and/or drive belt if necessary. (See <a href="#">GENERATOR REMOVAL/INSTALLATION [ZJ, Z6].)</a> (See <a href="#">GENERATOR REMOVAL/INSTALLATION [LF].)</a> (See <a href="#">DRIVE BELT REPLACEMENT [ZJ, Z6].)</a> (See <a href="#">DRIVE BELT REPLACEMENT [LF].)</a> Go to Step 6.
4	<b>INSPECT ABS HU/CM POWER SUPPLY FOR OPEN CIRCUIT</b> • Disconnect the ABS HU/CM connectors. • Turn the ignition switch to the ON position. • Measure the voltage between following connector terminals of the ABS HU/CM (vehicle harness-side) and body ground:  - ABS HU/CM: N-Body ground - ABS HU/CM: Y-Body ground - ABS HU/CM: Z-Body ground  • Is the voltage <b>10 V or more</b> ?	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to Step 6.
5	<b>INSPECT ABS HU/CM GROUND FOR POOR GROUND OR OPEN CIRCUIT</b> • Turn the ignition switch off. • Measure the resistance between following connector terminal of ABS HU/CM (vehicle harness-side) and body ground:  - ABS HU/CM: B-Body ground  • Is the resistance <b>within 0-1 ohm</b> ?	Yes	Go to the next step.
		No	If there is open circuit: • Repair or replace the wiring harness, then go to the next step. If resistance is not within specification: • Repair or replace the poor ground part, then go to the next step.
6	<b>VERIFY THAT THE SAME DTC IS NOT PRESENT</b> • Reconnect all disconnected connectors. • Clear the DTCs from the memory. (See <a href="#">Clearing DTCs Procedures.</a> ) • Start the engine and drive the vehicle at <b>20 km/h {12.4 mph} or more</b> . • Are the same DTCs present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the ABS HU/CM, then go to the next step. (See <a href="#">ABS HU/CM REMOVAL/INSTALLATION</a> )
		No	Go to the next step.
7	<b>VERIFY THAT NO OTHER DTCS ARE PRESENT</b> • Are any other DTCs output?	Yes	Go to the applicable DTC inspection. (See <a href="#">DTC Table.</a> )
		No	DTC troubleshooting completed.