

## 4WD CONTROL MODULE INSPECTION

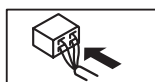
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### Note

- 4WD CM terminal voltage can vary depending on measuring conditions and vehicle aging, resulting in misdiagnosis. Therefore, it is necessary to perform an overall inspection of the input/output systems and 4WD CM to determine which part is malfunctioning.
- With the 4WD CM connector connected, measure voltage by connecting the voltmeter negative (-) lead to the body ground and positive (+) lead to each 4WD CM terminal.

- Measure voltage or resistance at each 4WD CM terminal using a voltmeter and an ohmmeter.
  - If not as specified, replace the 4WD CM.

### Terminal Voltage List (Reference)



ac5wzw00002636

Terminal	Signal	Input/output	Connected to	Measuring item	Test condition		Voltage (V)/Continuity	Inspection location in case of failure
A	Differential oil temperature sensor signal	Input	Differential oil temperature sensor	Voltage	Ignition ON (engine off or on)	Differential oil temperature 20°C {68°F}	3.0	<ul style="list-style-type: none"> <li>Inspect differential oil temperature sensor</li> <li>Inspect related harness</li> </ul>
						Differential oil temperature 60°C {140°F}	1.4	
B	—	—	—	—	—	—	—	—
C	Differential oil temperature sensor GND	—	Differential oil temperature sensor	Continuity	Any condition		Yes	<ul style="list-style-type: none"> <li>Inspect related harness</li> </ul>
D	—	—	—	—	—	—	—	—
E	—	—	—	—	—	—	—	—
F	—	—	—	—	—	—	—	—
G	CAN_H	Input/output	—	Perform measurement during DTC inspection.				—
H	CAN_L	Input/output	—	Perform measurement during DTC inspection.				—
I	Power supply (Ignition switch)	Input	Ignition switch	Voltage	ignition switch ON (engine off or on)		B+	<ul style="list-style-type: none"> <li>Inspect fuse</li> <li>Inspect related harness</li> </ul>
					ignition switch OFF		1.0 or below	
J	—	—	—	—	—	—	—	—
K	Power supply (Main)	Input	Battery	Voltage	Any condition		B+	<ul style="list-style-type: none"> <li>Inspect fuse</li> <li>Inspect related harness</li> </ul>
L	—	—	—	—	—	—	—	—
M	—	—	—	—	—	—	—	—
N	Ground	—	Ground	Voltage	Any condition		0	<ul style="list-style-type: none"> <li>Inspect related harness</li> </ul>
O	4WD solenoid (+)	Output	4WD solenoid	Voltage	ignition switch ON (engine off or on)		B+	<ul style="list-style-type: none"> <li>4WD solenoid</li> <li>Inspect related harness</li> </ul>
					ignition switch OFF		1.0 or below	

Terminal	Signal	Input/ output	Connected to	Measuring item	Test condition	Voltage (V)/ Continuity	Inspection location in case of failure
P	4WD solenoid (-)	Output	4WD solenoid	Voltage	ignition switch ON (engine off or on)	B+	<ul style="list-style-type: none"> <li>• 4WD solenoid</li> <li>• Inspect related harness</li> </ul>
					ignition switch OFF	1.0 or below	