

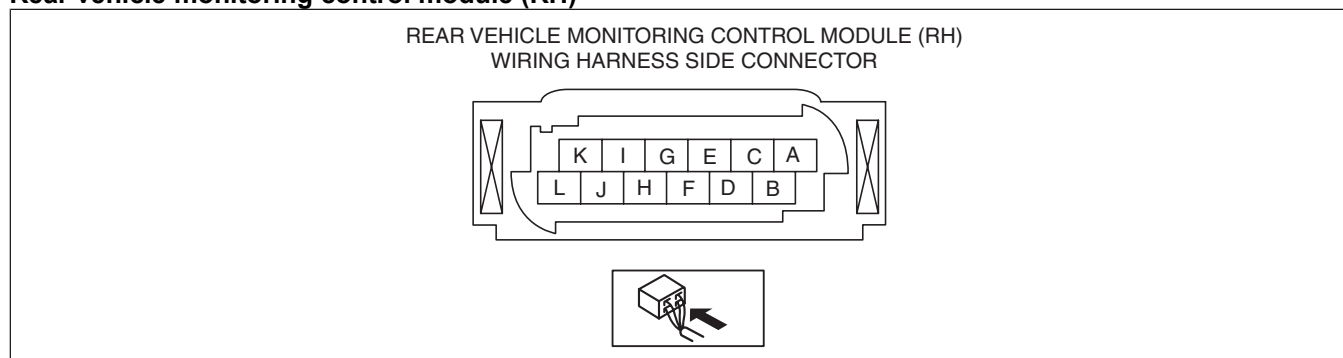
REAR VEHICLE MONITORING CONTROL MODULE INSPECTION

id092200014700

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the rear combination light. (See REAR COMBINATION LIGHT REMOVAL/INSTALLATION.)
3. Remove the rear bumper. (See REAR BUMPER REMOVAL/INSTALLATION.)
4. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
5. Verify that the voltages of each of the terminals are as indicated in the terminal voltage table (reference).
 - If the voltage is not as specified in the terminal voltage table (reference), inspect the parts under Inspection item(s).
 - If the system does not operate normally even though the inspection items are normal, replace the rear vehicle monitoring control module (RH) or the rear vehicle monitoring control module (LH).

Terminal Voltage Table (Reference)

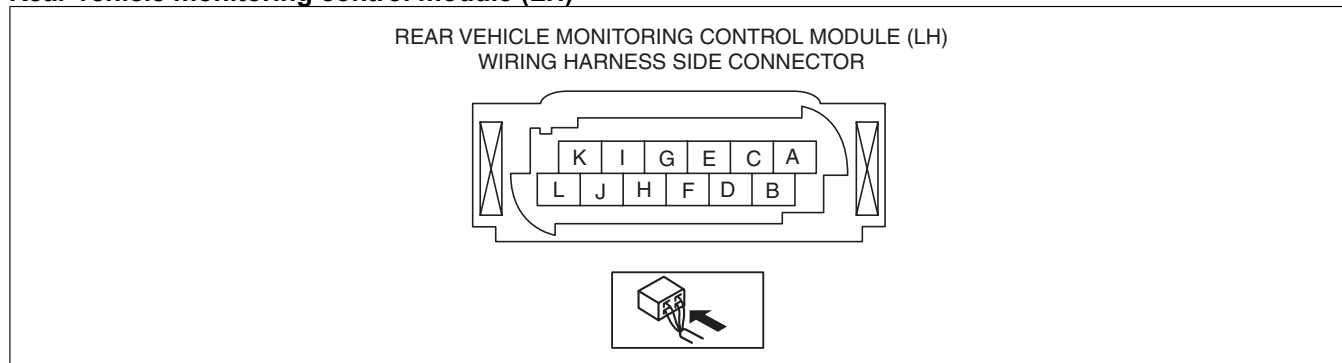
Rear vehicle monitoring control module (RH)



ac5wzw00001485

Terminal	Signal name	Connected to	Measurement conditions	Voltage (V)	Inspection item(s)
A	CAN2_L	Rear vehicle monitoring CM (LH)	Because this terminal is for communication, determination using terminal voltage inspection is not possible.		
B	—	—	—	—	—
C	CAN2_H	Rear vehicle monitoring CM (LH)	Because this terminal is for communication, determination using terminal voltage inspection is not possible.		
D	—	—	—	—	—
E	—	—	—	—	—
F	Power position (1G1)	IG relay	Ignition switched ON (engine off or on)	B+	• C/U IG1 fuse • IG relay • Related wiring harness
			Ignition switched off (LOCK) or ACC	1.0 or less	
G	—	—	—	—	—
H	Ground	Body ground	Under any condition	1.0 or less	• Related wiring harness
I	MS-CAN_L	CAN communication related module	Because this terminal is for communication, determination using terminal voltage inspection is not possible.		
J	—	—	—	—	—
K	—	—	—	—	—
L	MS-CAN_H	CAN communication related module	Because this terminal is for communication, determination using terminal voltage inspection is not possible.		

Rear vehicle monitoring control module (LH)



ac5wzw00001486

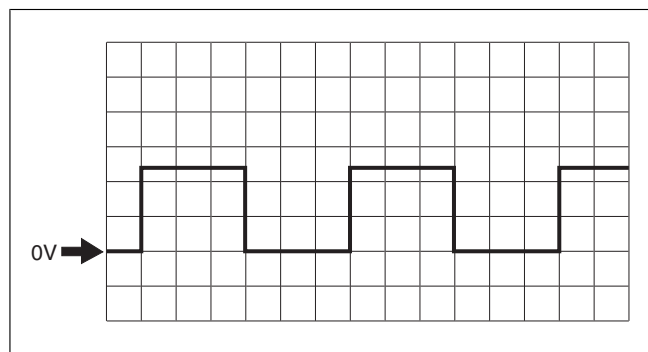
Terminal	Signal name	Connected to	Measurement conditions	Voltage (V)	Inspection item(s)
A	—	—	—	—	—
B	—	—	—	—	—
C	RVM warning indicator light ground signal (RH)	RVM warning indicator light (RH)	Under any condition	1.0 or less	<ul style="list-style-type: none"> • RVM warning indicator light (RH) • Related wiring harness
D	RVM warning indicator light signal (RH)	RVM warning indicator light (RH)	Turn off the RVM warning indicator light using the rear vehicle monitoring system simulation WRN_IND_R	1.0 or less	<ul style="list-style-type: none"> • RVM warning indicator light (RH) • Related wiring harness
			Turn on the RVM warning indicator light using the rear vehicle monitoring system simulation WRN_IND_R	Wave pattern (See Inspection Using an Oscilloscope (Reference).)	
E	—	—	—	—	—
F	Power position (1G1)	IG relay	Ignition switched ON (engine off or on)	B+	<ul style="list-style-type: none"> • C/U IG1 fuse • IG relay • Related wiring harness
			Ignition switched off (LOCK) or ACC	1.0 or less	
G	RVM warning indicator light ground signal (LH)	RVM warning indicator light (LH)	Under any condition	1.0 or less	<ul style="list-style-type: none"> • RVM warning indicator light (LH) • Related wiring harness
H	Ground	Body ground	Under any condition	1.0 or less	<ul style="list-style-type: none"> • Related wiring harness
I	CAN2_L	Rear vehicle monitoring CM (RH)	Because this terminal is for communication, determination using terminal voltage inspection is not possible.		
J	—	—	—	—	—
K	RVM warning indicator light signal (LH)	RVM warning indicator light (LH)	Turn off the RVM warning indicator light using the rear vehicle monitoring system simulation WRN_IND_L	1.0 or less	<ul style="list-style-type: none"> • RVM warning indicator light (LH) • Related wiring harness
			Turn on the RVM warning indicator light using the rear vehicle monitoring system simulation WRN_IND_L	Wave pattern (See Inspection Using an Oscilloscope (Reference).)	

Terminal	Signal name	Connected to	Measurement conditions	Voltage (V)	Inspection item(s)
L	CAN2_H	Rear vehicle monitoring CM (RH)	Because this terminal is for communication, determination using terminal voltage inspection is not possible.		

Inspection Using an Oscilloscope (Reference)

Pattern 1

- Terminal:
 - RVM warning indicator light signal (RH): D (+)
↔ body ground (-)
 - RVM warning indicator light signal (LH): K (+)
↔ body earth (-)
- Oscilloscope setting: 2 V/DIV (Y), 2 ms/DIV (X), DC range



ac5wzw00002447