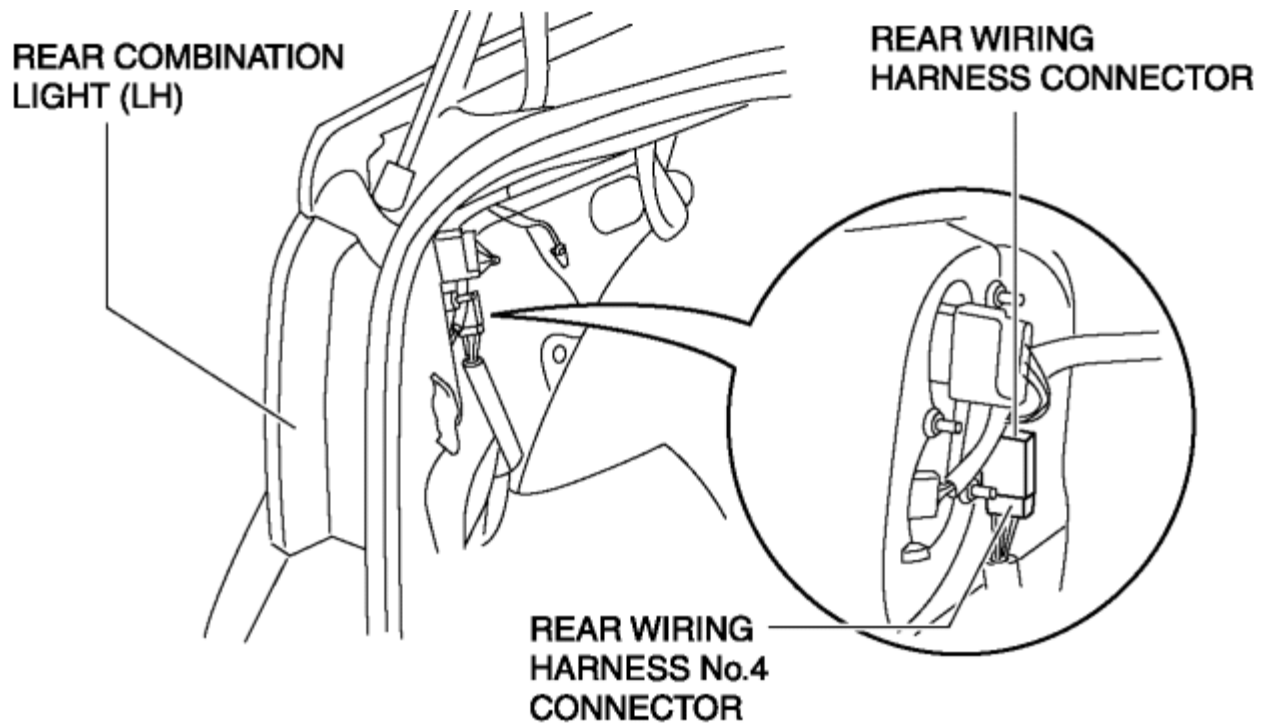


2012 - Mazda6 - Body and Accessories

BLIND SPOT MONITORING (BSM) CONTROL MODULE INSPECTION

1. Remove the trunk end trim. (See [TRUNK END TRIM REMOVAL/ INSTALLATION.](#))
2. Remove the rear seat cushion. (See [REAR SEAT CUSHION REMOVAL/ INSTALLATION.](#))
3. Remove the rear side seat back. (See [REAR SIDE SEAT BACK REMOVAL/ INSTALLATION.](#))
4. Remove the trunk side trim. (See [TRUNK SIDE TRIM REMOVAL/ INSTALLATION.](#))
5. Measure the BSM control module terminal voltage using the rear wiring harness connector in the position shown in the figure.



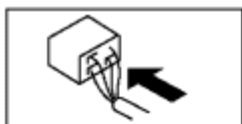
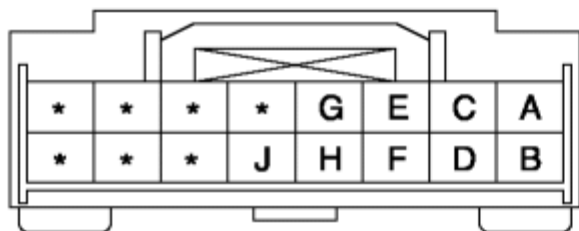
Terminal Voltage Table (Reference)

NOTE:

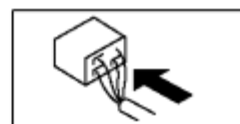
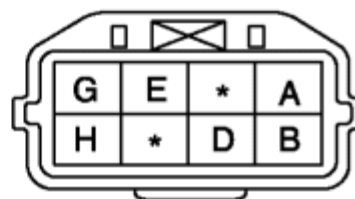
- The BSM control module connector cannot be connected to a tester due to its water-resistance processing, therefore the rear wiring harness connector is used for measuring the terminal voltage.

BSM control module (LH)

REAR WIRING HARNESS CONNECTOR



BLIND SPOT MONITORING (BSM) CONTROL MODULE (LH) CONNECTOR



Rear wiring harness terminal	BSM C/M terminal	Signal	Connected to	Measurement condition		Voltage (V)	Inspection item (s)
A	B	Power supply	Fuse	Switch the ignition to ON		B+	• Fuse • Related wiring harnesses
				Switch the ignition to off (LOCK)		1.0 or less	
B	H	CAN_H	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
C	—	BSM OFF switch signal	BSM OFF switch	Switch the ignition to ON	BSM OFF switch is pressed	1.0 or less	• BSM OFF switch • Related wiring harnesses
					BSM OFF switch is not pressed	B+	
D	H	CAN_H	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
E	G	CAN_L	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
		BSM indicator	BSM	Switch the ignition to ON and BSM indicator light is illuminated		B+	• BSM indicator light

F	—	light signal (RH)	indicator light	BSM indicator light is not illuminated	1.0 or less	• Related wiring harnesses
G	G	CAN_L	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.		
H	D	BSM indicator light signal (LH)	BSM indicator light	Switch the ignition to ON and BSM indicator light is illuminated	B+	• BSM indicator light • Related wiring harnesses
				BSM indicator light is not illuminated	1.0 or less	
J	A	BSM GND	Body ground	Under any condition	1.0 or less	• Related wiring harnesses
J	E	BSM GND	Body ground	Under any condition	1.0 or less	• Related wiring harnesses

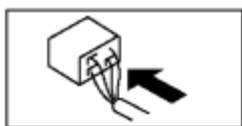
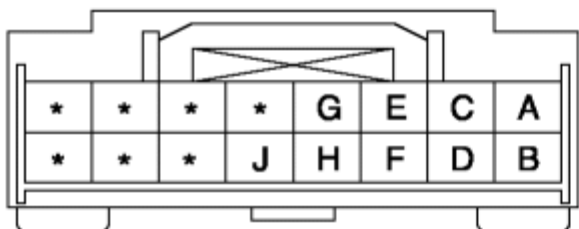
Terminal Voltage Table (Reference)

NOTE:

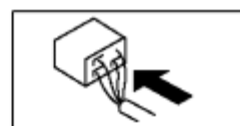
- The BSM control module connector cannot be connected to a tester due to its water-resistance processing, therefore the rear wiring harness connector is used for measuring the terminal voltage.

BSM control module (RH)

REAR WIRING HARNESS CONNECTOR



BLIND SPOT MONITORING (BSM) CONTROL MODULE (RH) CONNECTOR



Rear wiring harness terminal	BSM C/M terminal	Signal	Connected to	Measurement condition		Voltage (V)	Inspection item (s)
A	B	Power supply	Fuse	Switch the ignition to ON		B+	• Fuse • Related wiring harnesses
				Switch the ignition to off (LOCK)		1.0 or less	
B	H	CAN_H	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
C	E	BSM OFF switch signal	BSM OFF switch	Switch the ignition to ON	BSM OFF switch is pressed	1.0 or less	• BSM OFF switch • Related wiring harnesses
					BSM OFF switch is not pressed	B+	
D	H	CAN_H	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
E	G	CAN_L	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
F	D	BSM indicator light signal (RH)	BSM indicator light	Switch the ignition to ON and BSM indicator light is illuminated		B+	• BSM indicator light • Related wiring harnesses
				BSM indicator light is not illuminated		1.0 or less	
G	G	CAN_L	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
H	—	BSM indicator light signal (LH)	BSM indicator light	Switch the ignition to ON and BSM indicator light is illuminated		B+	• BSM indicator light • Related wiring harnesses
				BSM indicator light is not illuminated		1.0 or less	

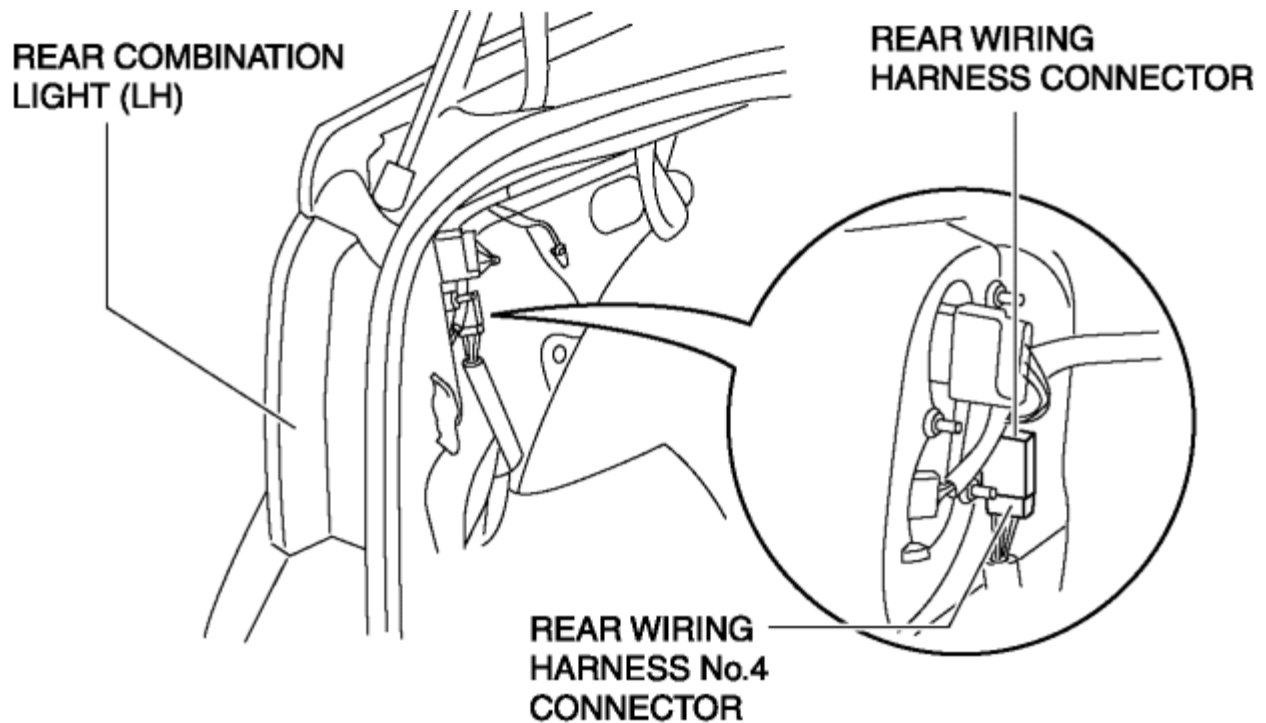
J	A	BSM GND	Body ground	Under any condition	1.0 or less	• Related wiring harnesses
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2012 - Mazda6 - Body and Accessories

BLIND SPOT MONITORING (BSM) CONTROL MODULE INSPECTION

1. Remove the trunk end trim. (See [TRUNK END TRIM REMOVAL/ INSTALLATION.](#))
2. Remove the rear seat cushion. (See [REAR SEAT CUSHION REMOVAL/ INSTALLATION.](#))
3. Remove the rear side seat back. (See [REAR SIDE SEAT BACK REMOVAL/ INSTALLATION.](#))
4. Remove the trunk side trim. (See [TRUNK SIDE TRIM REMOVAL/ INSTALLATION.](#))
5. Measure the BSM control module terminal voltage using the rear wiring harness connector in the position shown in the figure.



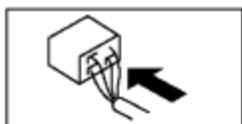
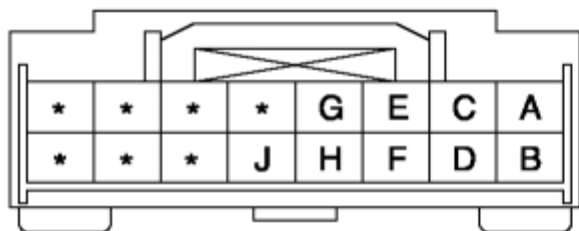
Terminal Voltage Table (Reference)

NOTE:

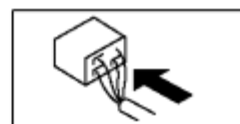
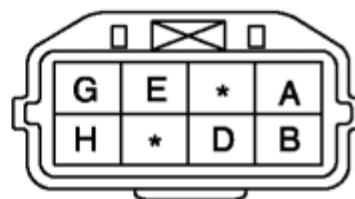
- The BSM control module connector cannot be connected to a tester due to its water-resistance processing, therefore the rear wiring harness connector is used for measuring the terminal voltage.

BSM control module (LH)

REAR WIRING HARNESS CONNECTOR



BLIND SPOT MONITORING (BSM) CONTROL MODULE (LH) CONNECTOR



Rear wiring harness terminal	BSM C/M terminal	Signal	Connected to	Measurement condition		Voltage (V)	Inspection item (s)
A	B	Power supply	Fuse	Switch the ignition to ON		B+	• Fuse • Related wiring harnesses
				Switch the ignition to off (LOCK)		1.0 or less	
B	H	CAN_H	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
C	—	BSM OFF switch signal	BSM OFF switch	Switch the ignition to ON	BSM OFF switch is pressed	1.0 or less	• BSM OFF switch • Related wiring harnesses
					BSM OFF switch is not pressed	B+	
D	H	CAN_H	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
E	G	CAN_L	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
		BSM indicator	BSM	Switch the ignition to ON and BSM indicator light is illuminated		B+	• BSM indicator light

F	—	light signal (RH)	indicator light	BSM indicator light is not illuminated	1.0 or less	• Related wiring harnesses
G	G	CAN_L	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.		
H	D	BSM indicator light signal (LH)	BSM indicator light	Switch the ignition to ON and BSM indicator light is illuminated	B+	• BSM indicator light • Related wiring harnesses
				BSM indicator light is not illuminated	1.0 or less	
J	A	BSM GND	Body ground	Under any condition	1.0 or less	• Related wiring harnesses
J	E	BSM GND	Body ground	Under any condition	1.0 or less	• Related wiring harnesses

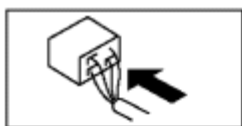
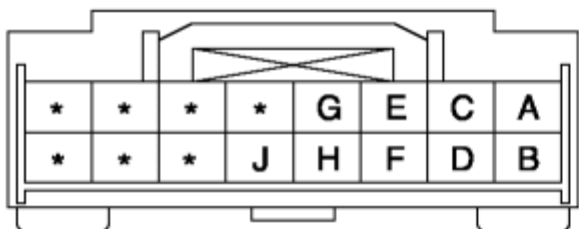
Terminal Voltage Table (Reference)

NOTE:

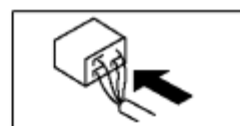
- The BSM control module connector cannot be connected to a tester due to its water-resistance processing, therefore the rear wiring harness connector is used for measuring the terminal voltage.

BSM control module (RH)

REAR WIRING HARNESS CONNECTOR



BLIND SPOT MONITORING (BSM) CONTROL MODULE (RH) CONNECTOR



Rear wiring harness terminal	BSM C/M terminal	Signal	Connected to	Measurement condition		Voltage (V)	Inspection item (s)
A	B	Power supply	Fuse	Switch the ignition to ON		B+	• Fuse • Related wiring harnesses
				Switch the ignition to off (LOCK)		1.0 or less	
B	H	CAN_H	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
C	E	BSM OFF switch signal	BSM OFF switch	Switch the ignition to ON	BSM OFF switch is pressed	1.0 or less	• BSM OFF switch • Related wiring harnesses
					BSM OFF switch is not pressed	B+	
D	H	CAN_H	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
E	G	CAN_L	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
F	D	BSM indicator light signal (RH)	BSM indicator light	Switch the ignition to ON and BSM indicator light is illuminated		B+	• BSM indicator light • Related wiring harnesses
				BSM indicator light is not illuminated		1.0 or less	
G	G	CAN_L	CAN system related module	Because this terminal is for communication, good/no good judgment by terminal voltage is not possible.			
H	—	BSM indicator light signal (LH)	BSM indicator light	Switch the ignition to ON and BSM indicator light is illuminated		B+	• BSM indicator light • Related wiring harnesses
				BSM indicator light is not illuminated		1.0 or less	

J	A	BSM GND	Body ground	Under any condition	1.0 or less	• Related wiring harnesses
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