

2012 - Mazda6 - Body and Accessories

NO.9 BSM WARNING ALARM DOES NOT SOUND WHILE BSM INDICATOR LIGHT FLASHES [BLIND SPOT MONITORING (BSM)]

9	BSM warning alarm does not sound while BSM indicator light flashes
DESCRIPTION	The BSM control module recognizes that vehicle is in warning zone on side in which turn signal is operated, but BSM warning alarm does not sound despite BSM indicator light flashing.
Possible Causes	- Instrument cluster receives incorrect BSM warning alarm request signal - Instrument cluster malfunction - Communication error between BSM control module and instrument cluster - BSM control module malfunction

Diagnostic Procedure

Step	Inspection	Action
1	VERIFY DTCs - Retrieve DTCs from the instrument cluster and BSM control module using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER] .) (See DTC INSPECTION [BLIND SPOT MONITORING (BSM)] .) - Are any DTCs displayed?	Yes Go to the applicable DTC inspection. (See DTC TABLE [INSTRUMENT CLUSTER] .) (See DTC TABLE [BLIND SPOT MONITORING (BSM)] .)
		No Go to the next step.
2	VERIFY MALFUNCTION SYMPTOM - Verify the malfunction symptoms for each side. - Is there a malfunction symptom on each side (BSM warning alarm	Yes Go to the next step.
		No Go to Step 4.

	sounds)?		
3	INSPECT BSM WARNING ALARM Sound the warning alarm using the simulation function ALARM in the instrument cluster while the BSM system is not activated. (See ACTIVE COMMAND MODES TABLE [INSTRUMENT CLUSTER] .)	Yes	A malfunction is not detected at present. Therefore, the instrument cluster is normal. If the malfunction recurs, replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .)
		No	Replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .)
4	INSPECT BSM WARNING ALARM REQUEST SIGNAL - Operate the BSM system (BSM warning alarm can be sounded). - Verify the BSM warning alarm sound condition using the PID BUZZER on the malfunctioning BSM control module. (See PID/ DATA MONITOR INSPECTION [BLIND SPOT MONITORING (BSM)] .)	Yes	A malfunction is not detected at present. Therefore, the instrument cluster is normal. If the malfunction recurs, replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .)
		No	Replace the BSM control module. (See BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/ INSTALLATION .)
	Does the PID BUZZER turn on and off according to the BSM warning alarm sound?		

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4	INSPECT BSM WARNING ALARM REQUEST SIGNAL - Operate the BSM system (BSM warning alarm can be sounded). - Verify the BSM warning alarm sound condition using the PID BUZZER on the malfunctioning BSM control module. (See PID/ DATA MONITOR INSPECTION [BLIND SPOT MONITORING (BSM)] .)	Yes	A malfunction is not detected at present. Therefore, the instrument cluster is normal. If the malfunction recurs, replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .)
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	Does the PID BUZZER turn on and off according to the BSM warning alarm sound?		