

BSM INDICATOR LIGHT DOES NOT FLASH WHILE UNDER BSM INDICATOR LIGHT-FLASHING CONDITIONS (WITH LIGHT SWITCH OPERATION (TURN SIGNAL SWITCH)) [BLIND SPOT MONITORING (BSM)]

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Description	BSM indicator light does not flash while under BSM indicator light-flashing conditions (with combination switch operation (turn signal switch))
	<ul style="list-style-type: none"> The BSM indicator light does not flash or illuminate continuously, but the conditions to flash the BSM indicator light are satisfied (vehicle speed above 32 km/h {20 mph} or more, turn signal on, and vehicle in warning zone). BSM indicator light does not flash or illuminate continuously, but turn signals are off.
Possible Causes	<p>Note</p> <ul style="list-style-type: none"> This malfunction symptom is basically the same as symptom "BSM indicator light does not illuminate while under BSM indicator light-illumination conditions". <ul style="list-style-type: none"> The BSM control module mistakenly recognizes a vehicle as being outside of the warning zone when it is actually inside of it. <ul style="list-style-type: none"> Radar (BSM control module integrated) is not emitted inside of warning zone (unable to emit radar inside warning zone) <ul style="list-style-type: none"> Damage, deformity or looseness to installation bracket or vehicle frame (including moderate impacts). Malfunction in steering angle signal (communication error between rear body control module (RBCM) and BSM control module, or EPS control module malfunction). Problem with rear bumper such as soiling to radar emitting/receiving area, application of stickers (including transparent types), repairs using putty application. BSM control module does not receive echo-back correctly <ul style="list-style-type: none"> BSM control module (radar) malfunction Problem with rear bumper such as soiling to radar emitting/receiving area, application of stickers (including transparent types), repairs using putty application. <p>Note</p> <ul style="list-style-type: none"> Rear bumper problems such defective installation of rear bumper, excessive soiling on radar emitting/receiving area, sticker adhesion (including transparent types), repairs to rear bumper using putty Non-genuine bumper or paint, or installation of after-market parts negatively affecting radar echo-back ability <ul style="list-style-type: none"> After-market electrical parts interfere with BSM system BSM does not recognize vehicle speed correctly (BSM control module mistakenly recognizes vehicle speed as being within 32 km/h {20 mph} or more <ul style="list-style-type: none"> PCM communication error with BSM control module Malfunction in ABS wheel speed sensor related parts Malfunction in BSM indicator light related parts <ul style="list-style-type: none"> Open circuit in wiring harness between BSM indicator light and BSM control module Open circuit in wiring harness or poor ground between BSM control module and ground BSM indicator light malfunction Signal is not input for turn signal <ul style="list-style-type: none"> Combination switch (turn signal switch) malfunction Open circuit in wiring harness between combination switch (turn signal switch) and rear body control module (RBCM) Communication error between rear body control module (RBCM) and BSM control module BSM control module malfunction

Diagnostic Procedure

Step	Inspection	Result	Action
1	VERIFY MALFUNCTION SYMPTOM <ul style="list-style-type: none"> BSM indicator light illuminates while under light-off conditions. 	Yes	Go to the next step.
		No	Go to the symptom troubleshooting procedure, "BSM indicator light does not illuminate while under BSM indicator light-illumination conditions". (See BSM INDICATOR LIGHT DOES NOT ILLUMINATE WHILE UNDER BSM INDICATOR LIGHT-ILLUMINATION CONDITIONS [BLIND SPOT MONITORING (BSM)].)

Step	Inspection	Result	Action
2	INSPECT IF MALFUNCTION IS IN REAR BODY CONTROL MODULE (RBCM) INPUT SIGNAL OR BSM <ul style="list-style-type: none"> Monitor the following PIDs on the suspected side of the BSM control module using the M-MDS. (See PID/DATA MONITOR TABLE [BLIND SPOT MONITORING (BSM)].) — TURN_SW_L — TURN_SW_R Are the monitoring values normal? 	Yes	Replace the BSM control module. (See BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/ INSTALLATION.)
		No	Retrieve DTCs from the start stop unit, instrument cluster, and BSM control module using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) (See DTC INSPECTION [INSTRUMENT CLUSTER].) (See DTC INSPECTION [BLIND SPOT MONITORING (BSM)].)