

BSM INDICATOR LIGHT FLASHES WHILE NOT UNDER BSM INDICATOR LIGHT-FLASHING CONDITIONS (NO LIGHT SWITCH OPERATION (TURN SIGNAL SWITCH)) [BLIND SPOT MONITORING (BSM)]

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Description	BSM indicator light flashes while not under BSM indicator light-flashing conditions (no combination switch operation (turn signal switch)) <ul style="list-style-type: none"> The BSM indicator light flashes despite not satisfying the BSM indicator light flashing conditions (vehicle speed above 32 km/h {20 mph} or more, turn signal on, and vehicle in warning zone)). The BSM indicator light flashes, but the 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 while not under BSM indicator light-illumination conditions”. <ul style="list-style-type: none"> BSM control module recognizes a vehicle as being inside the warning zone when it is actually outside of it. <ul style="list-style-type: none"> Radar (BSM control module integrated) is emitted outside of warning zone (deviates from 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. After-market electrical parts interfere with BSM system BSM does not recognize vehicle speed correctly (BSM control module mistakenly recognizes vehicle speed as being above 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 BSM control module mistakenly recognizes that turn signals have been operated <ul style="list-style-type: none"> Short to ground 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 symptom troubleshooting procedure, “BSM indicator light illuminates while not under BSM indicator light-off conditions”. (See BSM INDICATOR LIGHT ILLUMINATES WHILE NOT UNDER LIGHT-ILLUMINATION CONDITIONS [BLIND SPOT MONITORING (BSM)].)
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)].) <ul style="list-style-type: none"> 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)].)