

RVM WARNING INDICATOR LIGHT DOES NOT FLASH WHILE UNDER FLASHING CONDITIONS (TURN SIGNAL IS BEING OPERATED) [REAR VEHICLE MONITORING SYSTEM]

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Note

- If there is any vehicle malfunction complaint lodged by a customer, perform FOREWORD [REAR VEHICLE MONITORING SYSTEM] malfunction diagnosis according to the troubleshooting procedure.

Description

- The RVM warning indicator light does not flash/remains illuminated while under the flash conditions (**vehicle speed 30 km/h {19 mph} or more**, turn-signals on, and vehicle in detection area).
- The RVM warning indicator light does not flash/remains illuminated while the turn signals are on.

Note

- This malfunction symptom is basically the same as the symptom, "RVM warning indicator light does not illuminates while under the illumination conditions".

Possible malfunction

- Rear vehicle monitoring control modules false-detect a vehicle as being outside blind-spot area when it is actually inside of it, or cannot determine that no vehicle is entering blind-spot area.
 - Rear vehicle monitoring control module radar is not emitted inside detection area (deviates from blind-spot area or adjacent lanes)
 - Damage, deformity or looseness to rear vehicle monitoring bracket or vehicle frame (including moderate impacts)
 - Incorrect installation of rear bumper, soiling to radar emitting/receiving area, application of stickers (including transparent types), repairs using putty application
 - Rear vehicle monitoring control module radar does not receive echo-back correctly.
 - Rear vehicle monitoring control module malfunction
 - Incorrect installation of rear bumper, soiling to radar emitting/receiving area, application of stickers (including transparent types), repairs using putty application
 - Effect of non-genuine, after-market electronic device installation

Note

- The radar sensor cannot receive echo-back correctly if there is a thick moisture film (such as condensation) or excessive soiling covering the rear bumper radar emitting/receiving areas.
- Non-genuine rear bumper or paint, or installation of after-market parts may negatively affect radar echo-back ability.
- RVM warning indicator light illumination related malfunction
 - RVM warning indicator light malfunction
 - Open or short circuit in wiring harness between RVM warning indicator light and rear vehicle monitoring control module (LH)
 - Rear vehicle monitoring control module (LH) malfunction (RVM warning indicator light illumination circuit malfunction)
- Rear vehicle monitoring control modules do not detect turn signal operation.
 - Rear vehicle monitoring control module malfunction

Diagnostic Procedure

Step	Inspection		Action
1	VERIFY MALFUNCTION SYMPTOM <ul style="list-style-type: none">• Does the RVM warning indicator light illuminate when the illumination conditions are satisfied?	Yes	Go to the next step.
		No	Go the symptom troubleshooting procedure, "RVM warning indicator light does not illuminates while under the illumination conditions". (See RVM WARNING INDICATOR LIGHT DOES NOT ILLUMINATE UNDER ILLUMINATION CONDITIONS [REAR VEHICLE MONITORING SYSTEM].)

Step	Inspection		Action
2	DETERMINE IF MALFUNCTION CAUSE IS INPUT SIGNAL OR REAR VEHICLE MONITORING CONTROL MODULE RELATED <ul style="list-style-type: none"> Monitor the following rear vehicle monitoring system PIDs using the M-MDS: (See PID/DATA MONITOR INSPECTION [REAR VEHICLE MONITORING SYSTEM].) — TURN_SW_R — TURN_SW_L Does the monitoring value turn on and off according to the turn signal switch operation? 	Yes	Replace the rear vehicle monitoring control module (RH). (See REAR VEHICLE MONITORING CONTROL MODULE REMOVAL/INSTALLATION.)
		No	Perform the start stop unit, instrument cluster and rear vehicle monitoring control module DTC inspection again.