

RVM WARNING INDICATOR LIGHT FLASHES WHILE NOT UNDER FLASHING CONDITIONS (TURN SIGNALS OFF, OR NO VEHICLE IN ALERT AREA) [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

- RVM warning indicator light flashes although the RVM warning indicator light illumination conditions (**vehicle speed 30 km/h {19 mph} or more**, turn signals on, and vehicle in detection area) are not satisfied.
- The RVM warning indicator light flashes while the turn signals are off.

Note

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

Possible malfunction

- Rear vehicle monitoring control modules false-detect a vehicle as being inside detection area when it is actually outside of it, or cannot determine that a 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
 - 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.
- Rear vehicle monitoring control modules false-detect that turn signals are on.
 - Rear vehicle monitoring control module (RH) malfunction

Diagnostic Procedure

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