

ESS (EMERGENCY STOP SIGNAL SYSTEM) DOES NOT OPERATE [EMERGENCY STOP SIGNAL SYSTEM (ESS)]

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Note

- If there is any vehicle malfunction complaint lodged by a customer, perform FOREWORD [EMERGENCY STOP SIGNAL SYSTEM (ESS)] malfunction diagnosis according to the troubleshooting procedure.

Description

- Hazard warning lights do not flash even though vehicle decelerates suddenly.
- Hazard warning lights end flashing before vehicle stops (emergency stop hazard warning mode, vehicle speed of **approx. 10 km/h {6.2 mph}**) while system operates.

Possible cause

- Front body control module (FBCM) malfunction

Driving road surface effect (emergency signal system (ESS) normal)

- Grip level of tires is low
 - Driving on a low-traction surface
 - Tire wear (hydroplaning)

Diagnostic Procedure

Step	Inspection	Action
1	INSPECT FLASHING HAZARD WARNING LIGHT CIRCUIT FOR MALFUNCTION <ul style="list-style-type: none">• Display the front body control module (FBCM) simulation HAZARD_LMP item using the M-MDS. (See ACTIVE COMMAND MODES INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].)• Do the hazard warning lights flash?	Yes Go to the next step.
		No Replace the front body control module (FBCM). (See FRONT BODY CONTROL MODULE (FBCM) REMOVAL/INSTALLATION.)
2	DETERMINE IF MALFUNCTION CAUSED BY ABS OPERATION MALFUNCTION <ul style="list-style-type: none">• Inspect the ABS operation at 10—20 km/h {6.3—12.0 mph}.• Is the ABS operation normal?	Yes Phenomenon occurring due to effect of road surface can be considered. (Emergency Signal System (ESS) normal) If the malfunction recurs, replace the front body control module (FBCM). (See FRONT BODY CONTROL MODULE (FBCM) REMOVAL/INSTALLATION.)
		No <ul style="list-style-type: none">• Inspect the tires for the following:<ul style="list-style-type: none">— Tire air pressure (are all four tires at recommended pressure?)— Tire wear condition (is tire wear uniform on all four tires, or is it different?)— Tire size Adjust the malfunctioning tire or replace the tire.