

# Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 2001 JEEP Wrangler OEM Service and Repair Workshop Manual

[Go to manual page](#)

4. If required, remove the nuts and remove the PAM bracket from the vehicle.

## INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- Perform the CVPAM - CVPM - SVC - PAM calibration routine ([Refer to Electrical/Programming and Calibration/Programming and Calibration](#)).

## TORQUE SPECIFICATIONS - 8B - Driver Assistance

DESCRIPTION	SPECIFICATION	COMMENT
Central ADAS Decision Module (CADM) to CADM Bracket	<b>9 N·m (80 In. Lbs.)</b>	-
Central ADAS Decision Module (CADM) to CADM Bracket Nuts	<b>9 N·m (80 In. Lbs.)</b>	-
Central ADAS Decision Module (CADM) Bracket to Body Nuts	<b>9 N·m (80 In. Lbs.)</b>	-
Central Vision Park Assist Module (CVPAM) to Bracket Nuts	<b>9 N·m (80 In. Lbs.)</b>	-
Central Vision Park Assist Module (CVPAM) Bracket to Body Nuts	<b>8 N·m (71 In. Lbs.)</b>	-
Global Navigation Motion Module (GNMM) to Body Nuts	<b>8 N·m (71 In. Lbs.)</b>	-
Global Navigation Satellite System (GNSS) Antenna to Roof Bolt	<b>7 N·m (62 In. Lbs.)</b>	-
Park Assist Module (PAM) to Bracket Nut	<b>8 N·m (71 In. Lbs.)</b>	-
Park Assist Module (PAM) Bracket to Body Nuts	<b>8 N·m (71 In. Lbs.)</b>	-

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- Tighten the nuts securely.

Sample

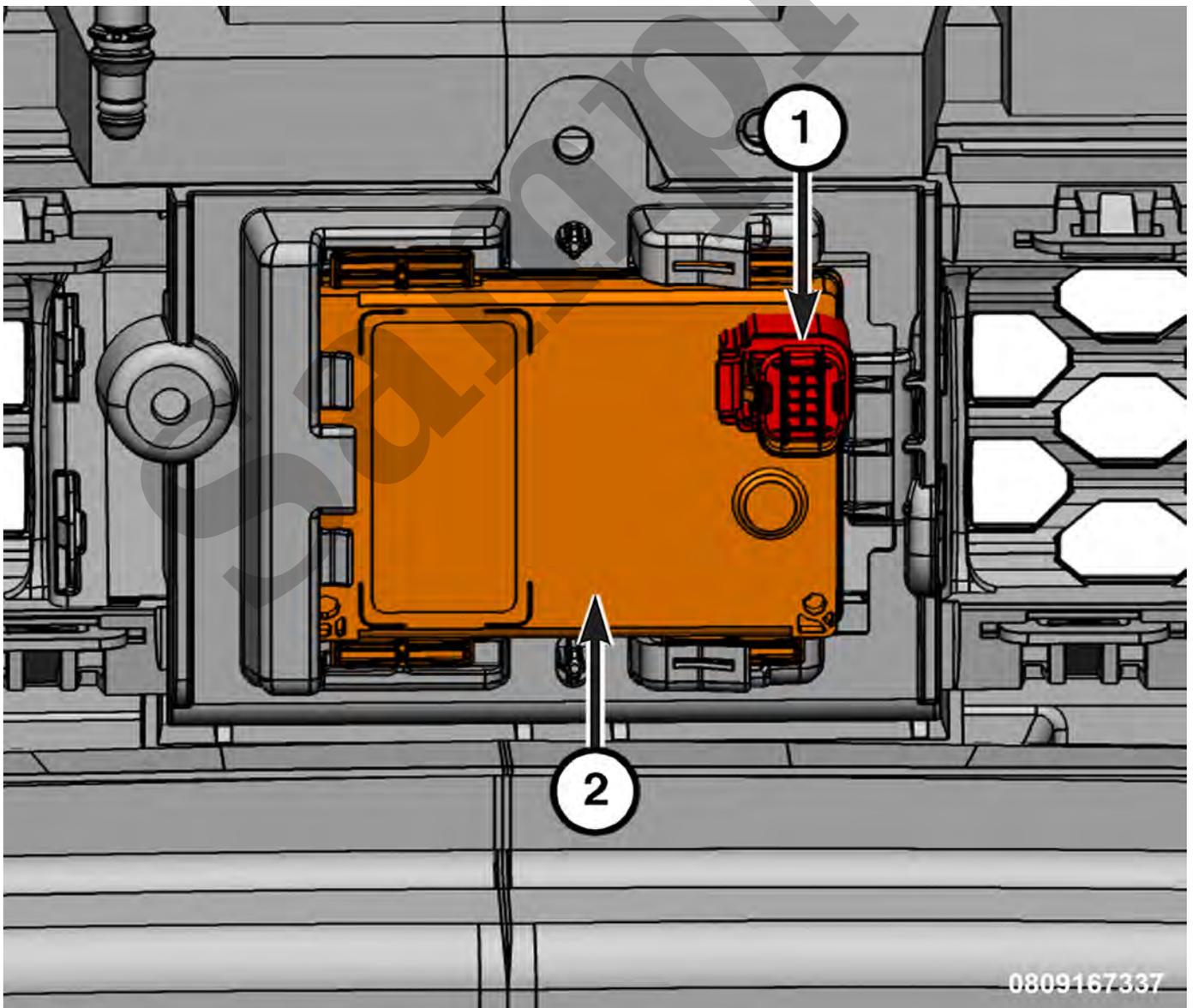
YOUR CURRENT VEHICLE

## Long Range Radar - Front

### LONG RANGE RADAR - FRONT

#### REMOVAL

1. Remove the front fascia (Refer to [Frame and Bumpers/Bumpers/FASCIA, Front/Removal and Installation](#)).



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- MRRFR and MRRFL are NOT interchangeable, if the radars are installed on the incorrect side DTCs will set.

Sample

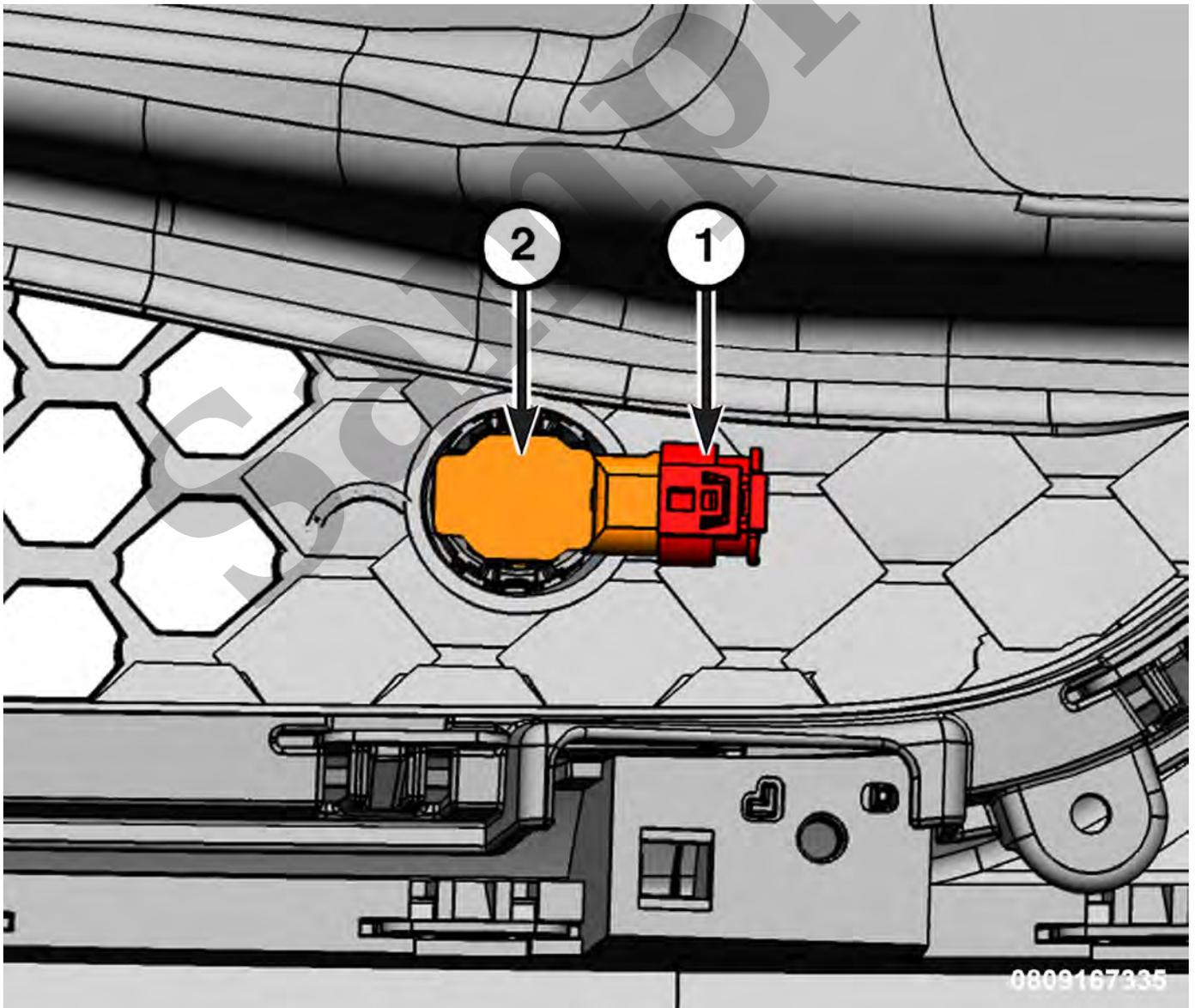
YOUR CURRENT VEHICLE

## Park Assist Sensor - Front Center

### PARK ASSIST SENSOR - FRONT CENTER

#### REMOVAL

1. Remove the front fascia (Refer to [Frame and Bumpers/Bumpers/FASCIA, Front/Removal and Installation](#)).



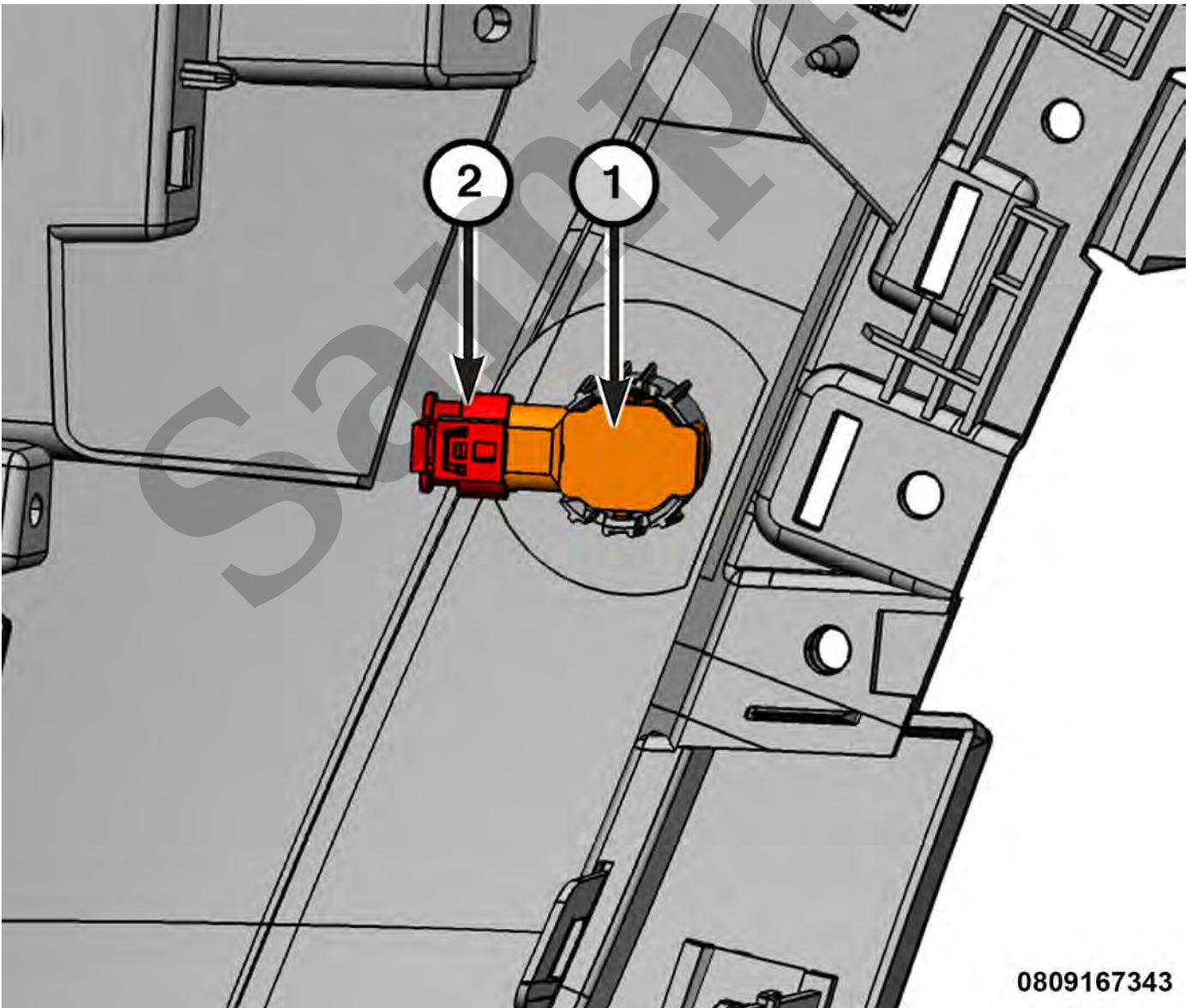
YOUR CURRENT VEHICLE

## Park Assist Sensor - Front Side

### PARK ASSIST SENSOR - FRONT SIDE

#### REMOVAL

1. Remove the appropriate front wheelhouse splash shield ([Refer to Body/Exterior/SHIELD/Removal and Installation](#)).



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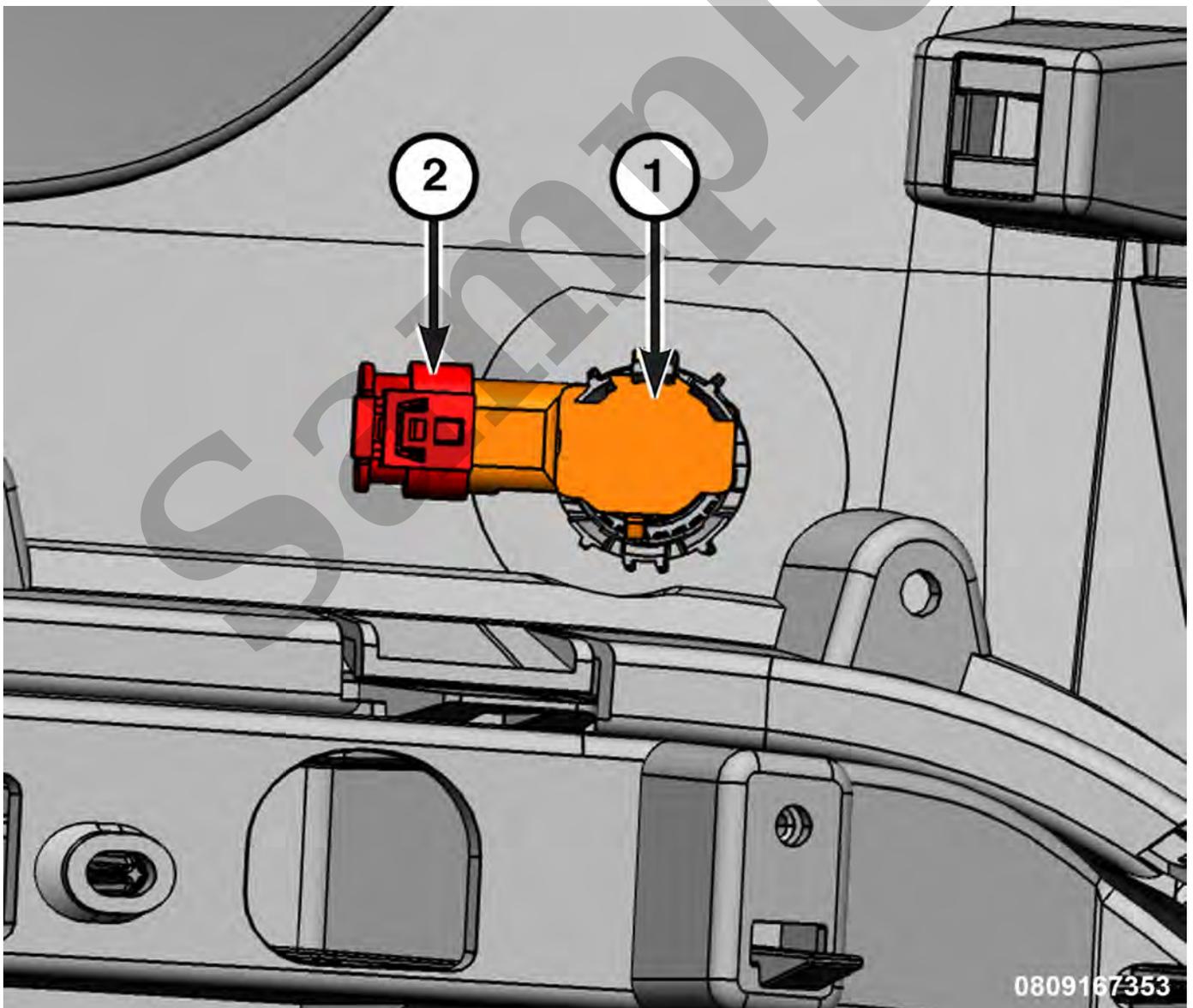
YOUR CURRENT VEHICLE

## Park Assist Sensor - Rear Outboard

### PARK ASSIST SENSOR - REAR OUTBOARD

#### REMOVAL

1. Remove the rear fascia (Refer to [Frame and Bumpers/Bumpers/FASCIA, Rear/Removal and Installation](#)).



## Park Assist Switch

### PARK ASSIST SWITCH

The Park Assist OFF switch is integral to the Integrated Center Stack (ICS), which is secured to and serviced with the instrument panel center bezel around the radio (Refer to [Electrical/8E - Electronic Control Modules/MODULE, Integrated Center Stack/Removal and Installation](#))(Refer To List 1).

### Refer To List:

#### List 1

- [08 - Electrical / 8E - Electronic Control Modules / CONTROLS, Rear Cabin Comfort \(RCCC\) / Removal and Installation](#)
- [08 - Electrical / 8E - Electronic Control Modules / MODULE, Integrated Center Stack \(ICSM\) / Removal and Installation](#)

NAME	SCAN TOOL VALUE	POTENTIAL INHIBIT/CANCEL CAUSE
	True	
Unsupported Lane Center Line Radius	False or True	
Poor Road Conditions	False or True	
Unsupported Air Suspension Setting	False or True	
Vehicle Not Centered	False or True	System senses that vehicle is not correctly centered in lane.
Lateral Suppression Triggered	False or True	<p>Many factors can trigger this, including:</p> <ul style="list-style-type: none"> <li>• Driver has overridden the system.</li> <li>• Lane not detected.</li> <li>• Unsupported lane dynamic..</li> <li>• Hazard switch pressed.</li> <li>• Poor Road Conditions.</li> <li>• Lane Changed.</li> <li>• Fault present in L2+ system.</li> <li>• Load Shedding due to low battery power mode.</li> <li>• Hands on wheel not detected.</li> <li>• Air suspension concern.</li> <li>• Driver Monitoring System concern.</li> <li>• Maps from GNMM are out of date.</li> <li>• Trailer connected to the vehicle.</li> <li>• Camera detects vision impairments.</li> <li>• Automatic braking system event is active.</li> </ul>
Vehicle Heading Mismatch	False or True	
Full Suppression Triggered	False or True	System not engaged or lane markings not visible.