

ADAS MAP - Systems Overview

Based on VIN Build Information

Inspection Number: 1719843

Year: 2025
Make: Hyundai
Model: Elantra SE 2.0 SE IVT
VIN: KMHLL4DG8SU333333

Insurance:

Estimator: ADAS MAP, Training

IMPORTANT! Please validate vehicle is equipped with listed ADAS system components by performing a visual inspection!

Identified ADAS Systems on this Vehicle:

<u>System</u>	<u>Component</u>	<u>Location</u>
Blind Spot Monitoring Systems	Blind Spot Sensors	Rear Bumper
Lane Departure / Keep Systems	Front View Camera	Windshield
Occupant Detection	Occupant Classification System	Passenger Seat
Seat Belt Inspection	Seat Belt	Interior
Steering Angle Sensor	Steering Angle Sensor	Column

Scanning Requirements

PRE AND POST SCANS REQUIRED

https://www.hyundaitechinfo.com/external/files/positioning_statements/Pre-Repair%20and%20Post-Repair%20System%20Scanning.pdf

Hyundai Motors America requires conducting a pre-repair scan as appropriate to ensure safe and accurate repairs and that all vehicles receive a post-repair scan to ensure all systems and components are functioning, calibrated and communicating properly with no diagnostic trouble codes present.

- Pre-Scan:** OPUS recommends a pre-scan on this vehicle. To determine what type of scan should be performed, refer to service information and certification requirements.
- Post-Scan:** OPUS recommends utilizing OEM software to perform a post-scan on this vehicle.

Identified System Details

Blind Spot Monitoring Systems

Component: Blind Spot Sensors

Location: Rear Bumper

Calibration: ADAS L2: Dynamic Calibration

OE Service Information:

Calibrate the BSM system (Rear Corner Radar System) when there is an impact to the rear bumper, radar wire harness, radar or bracket. Requires variant coding if either sensor is replaced. Target is not required but a BSM alignment tool set is needed. NOTE: Rear bumper cover removal is needed for BSM angle verification.

Note: When repairing a bumper, mask or remove these units to avoid contamination and overspray. If a radar unit is damaged, contaminated, or oversprayed, replace and recalibrate it per the shop manual. Use of touch-up paint is allowed in areas in front of the radars and avoid paints with high aluminum content. Use radar-optimized formula if available. Plastic repairs are not recommended as per Hyundai, as any alteration in shape can affect radar performance.

OE Reference:

<https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719843&acmv=3463&t=1&m=Elantra SE 2.0 SE IVT>

Lane Departure / Keep Systems

Component: Front View Camera

Location: Windshield

Calibration: ADAS L3: Static Calibration - A

OE Service Information:

Calibrate the Front View Camera (SPTAC) system if windshield is changed or removed and installed, DTC for system out of calibration is present (follow diagnostic procedures first), front view camera coupler deformed, or camera removed, installed, or replaced. OE glass is recommended. ADAS target, a four wheel alignment check is required for system calibration and correct tire size and pressure, no modified suspension, and no excessive weight in the trunk of the vehicle is required for system calibration.

OE Reference:

<https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719843&acmv=1925&t=1&m=Elantra SE 2.0 SE IVT>

Occupant Detection

Component: Occupant Classification System

Location: Passenger Seat

Calibration: Seat Related Calibration

OE Service Information:

Hyundai requires Occupant Classification Reset to be performed after removal and reinstallation or replacement of passenger seat components.

OE Reference:

<https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719843&acmv=953&t=1&m=Elantra SE 2.0 SE IVT>

Seat Belt Inspection

Component: Seat Belt

Location: Interior

Calibration: Seat Belt Inspection

OE Service Information:

Seatbelts must be inspected after a deployment to ensure passenger safety. While ADASMap and Alldata serve as valuable resources to assist in the repair process, it is ultimately the responsibility of the repair professional to follow proper

procedures and safety guidelines. For the most accurate and up-to-date information, always consult the vehicle manufacturer's service manual when available.

OE Reference:

<https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719843&acmv=4415&t=1&m=Elantra SE 2.0 SE IVT>

Steering Angle Sensor

Component: Steering Angle Sensor

Location: Column

Calibration: Steering Angle Sensor

OE Service Information:

Hyundai specifies that vehicles which have undergone a wheel alignment or work was done on the steering system require a steering angle sensor calibration.

OE Reference:

<https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719843&acmv=3046&t=1&m=Elantra SE 2.0 SE IVT>

Disclaimer:

This ADAS MAP™ report is provided for informational purposes only and is intended to assist in identifying potential ADAS-related diagnostic, scanning, and calibration requirements. It is not a substitute for the vehicle manufacturer's published OEM service information, which should always be followed when repairing or calibrating a vehicle. This report is generated using vehicle identification, build information, and other data obtained from third-party sources. Opus IVS, its affiliates, subsidiaries, licensors, and data providers make no representations or warranties regarding the accuracy, completeness, or timeliness of the information provided. Users remain responsible for verifying all repair, diagnostic, and calibration procedures using current OEM service information before performing repairs. Opus IVS and its affiliates assume no liability for decisions made based on the information contained in this report.