



Motional Robotaxi **First Responder Interaction Plan**

Motional IONIQ 5 Robotaxi

For Use in Pennsylvania

2026

Introduction

This document aims to provide first responders with essential information for safely interacting with a Hyundai IONIQ 5 electric vehicle (EV) equipped with a Motional Automated Driving System (ADS).

It is designed to help first responders identify a Motional ADS-equipped IONIQ 5, safely disengage the autonomous system, and understand key safety considerations.



Emergency Contact Personnel and Information

The first point of contact for vehicle-related incidents will be Motional staff seated in the front seat of the autonomous vehicle (AV) or in a trail car following directly behind the AV. *(Support vehicles will only be used for Motional's driverless operations on the strip.)*

First responders can also contact Motional's remote support (available 24/7):

Operations Emergency Phone - (412) 960-0121

If for some reason the Operations Emergency Phone is not available, please contact:

- Bradley Zafris, Senior Manager AV Test Operations: (412) 841-6638
- Mike Iverson, Senior Engineer Team Lead: (814) 323-3582

If possible, please provide the Motional vehicle identification, license plate, and location when calling to help our response team respond quickly to an incident.

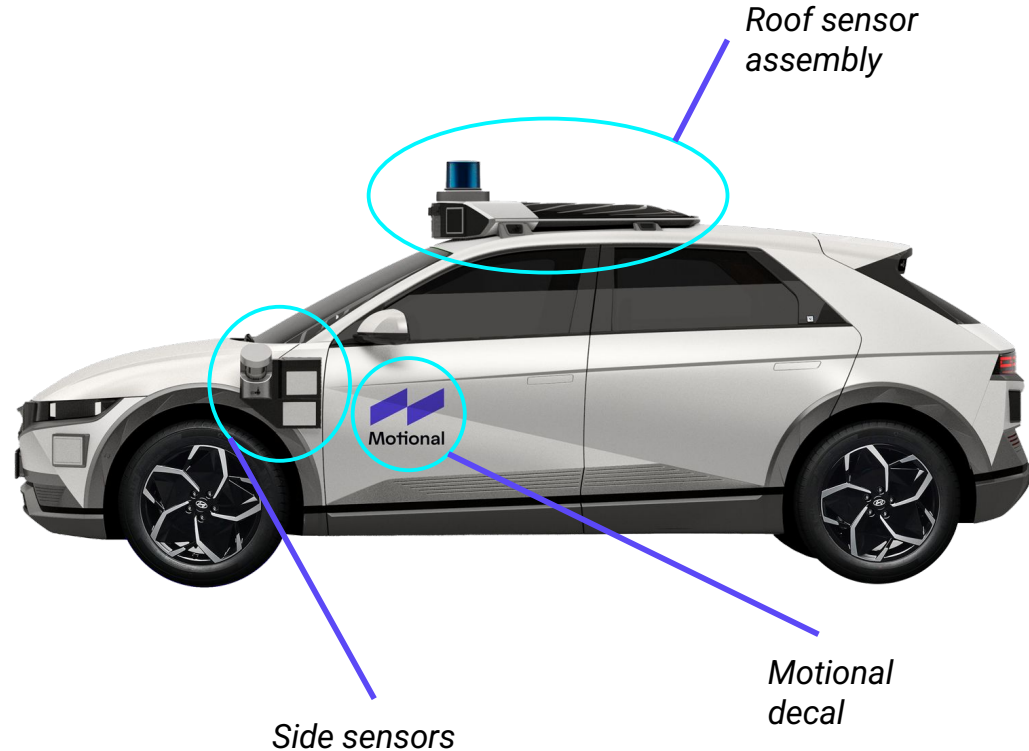


Motional Autonomous Vehicle Identification

The Motional AV is a modified Hyundai IONIQ 5 electric vehicle (EV).

The Motional AV can be easily distinguished from regular vehicles by the sensors on the top and sides of the vehicle.

Some vehicles are also identified by “Motional” decals on both sides. Each vehicle is identified by its license plates and other jurisdiction-specific markers.



Location of In-Vehicle Documents

The following documents can be found in a packet located on the underside of the driver's or passenger's side visor:

1. Vehicle registration
2. Owner information
3. Proof of insurance
4. Incident response quick reference guide
5. Emergency contact information for incident response
6. Driver exchange form



Autonomous Vehicle Capabilities

The Motional Vehicle Can Operate in Autonomous Mode

The Motional vehicle is equipped with an Automated Driving System (ADS), which, when active, allows the vehicle to operate autonomously within designated, pre-mapped areas, usually called the Operational Design Domain or ODD.

When the ADS is disengaged, the vehicle can be driven manually by a human driver in conventional mode.



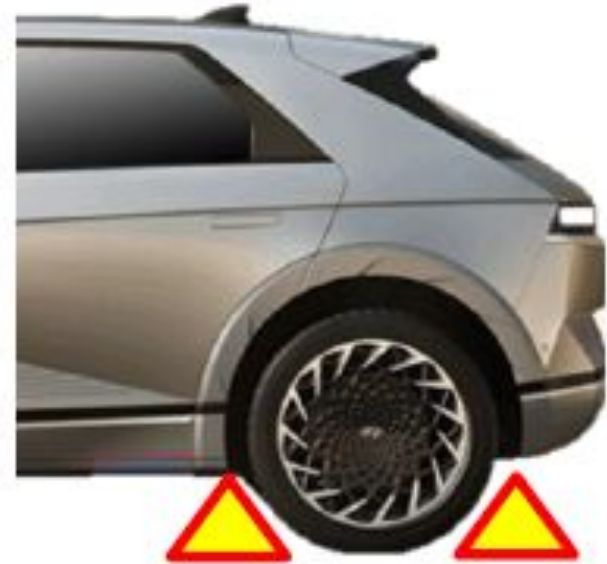
Instructions to Enter the Motional AV, Disable Autonomous Mode, and Release the Vehicle to Motional



Step 1: Immobilize the Vehicle

- Approach the vehicle from the sides, avoiding the front or rear.
- Chock the wheels to prevent any accidental movement that could endanger emergency response personnel and crash victims.
- **Note:** *Since the vehicle is all electric, it may appear to be off due to the lack of engine noise.*

After immobilizing the vehicle, proceed to the following pages to disengage autonomous mode.



Chock the Wheels

*This page contains excerpts from the Hyundai IONIQ 5 Electric Emergency Response Guide.
Equipping the vehicle with the Motional ADS does not affect this information.*



Step 2: Enter the Vehicle

- Approach the vehicle from the sides after the wheels are chocked.
- The vehicle operator(s) can ensure the doors are unlocked and provide access to the vehicle interior.
- If the vehicle operator(s) are unavailable for any reason, try opening the vehicle door to see if it is unlocked.
- If the vehicle is locked and time is critical, break the front left window, clear any glass, and unlock it via the door panel button. If not urgent, call the listed number(s) to coordinate with a Motional recovery team to unlock it.
- Proceed to the driver's side door and enter the driver's seat.



Step 3: Ensure the Vehicle is in Park

- Upon entering the vehicle, the gear shift is attached to and behind the right side of the steering wheel.
- The vehicle is in park when the 'P' is illuminated.
- To put the vehicle into park, press the button at the tip of the gear shift.
- The vehicle automatically engages the parking brake when it is in park and any door is open. This is indicated by a red parking brake icon at the bottom left of the digital dashboard.
- To set the parking brake, press the button shown in the bottom right photo. The button is located in the cluster to the left of the steering wheel.



This page contains excerpts from the Hyundai IONIQ 5 Electric Emergency Response Guide. Equipping the vehicle with the Motional ADS does not affect this information.



Step 4: Disengage Autonomous Mode and Verify Autonomous Mode is Disengaged

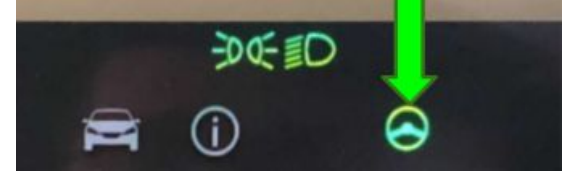
Press
Down
on Red
Button



Autonomous mode can be turned off by pressing the red button between the driver and passenger seats.



Check if an electrical error will display on the dash.



Autonomous Mode disables when this icon on the main display **no longer appears**.



Note: Not every vehicle will have a red button

Step 5: Turn the Vehicle Off

- Turn off the vehicle by pressing the ignition button, located to the right of the steering wheel.
- If the EV Start / Stop light is illuminated on the dashboard, the vehicle is **ON**.
- If the READY light is **NOT** illuminated, the vehicle is off.



If the ignition switch fails to turn off the vehicle, disconnect the negative 12V battery cable under the hood on the passenger side to prevent accidental restart. Refer to the IONIQ5 Electric Emergency Response Guide for details.



Step 6: Release of the Autonomous Vehicle

After an incident or rollout involving first responders, the vehicle can be handed over to Motional staff at the scene, such as the vehicle operator in the AV or, for driverless operations, the Motional support staff that arrive on scene. If these individuals are unavailable, first responders can contact the emergency numbers listed on page 3 to arrange for the vehicle to be released to Motional.



If Vehicle Needs to be Moved, Ensure Drive Mode is in “M”

Motional staff should be contacted to move the vehicle. If in an emergency Motional staff is not available, *the vehicle can be manually operated when the drive mode in the center console is set to “M” (see photo).*

To operate the vehicle manually:

1. First, make sure the red E-stop button is pulled up.
2. Then use the key to switch to Manual Mode (“M”).

For reference, the three drive modes are as follows:

- **“AD” - Driverless Mode**
 - This mode does not accept any manual inputs from a human driver.
 - You will not be able to move the steering wheel, the accelerator, or the brake pedal.
- **“ASD” - Autonomous Mode**
 - Allows the vehicle to engage into autonomous mode.
 - The vehicle can also be driven manually.
- **“M” - Manual Mode**
 - Can only be driven manually
 - The autonomous system cannot be engaged

Pull up
on Red
Button

