

INFORMATION FOR FIRST AND SECOND RESPONDERS

EMERGENCY RESPONSE GUIDE FOR VEHICLE

ELECTRIC 	VEHICLE NAME/MODEL: Oshkosh® Next Generation Delivery Vehicle (NGDV) Battery Electric Vehicle (BEV)	TYPE OF REESS: LITHIUM-ION, 400V battery storage system
PROPELLSION	VEHICLE TYPE/DESIGNATION Sub-Category: Delivery Van	
		
Document Revision: 12/2025		



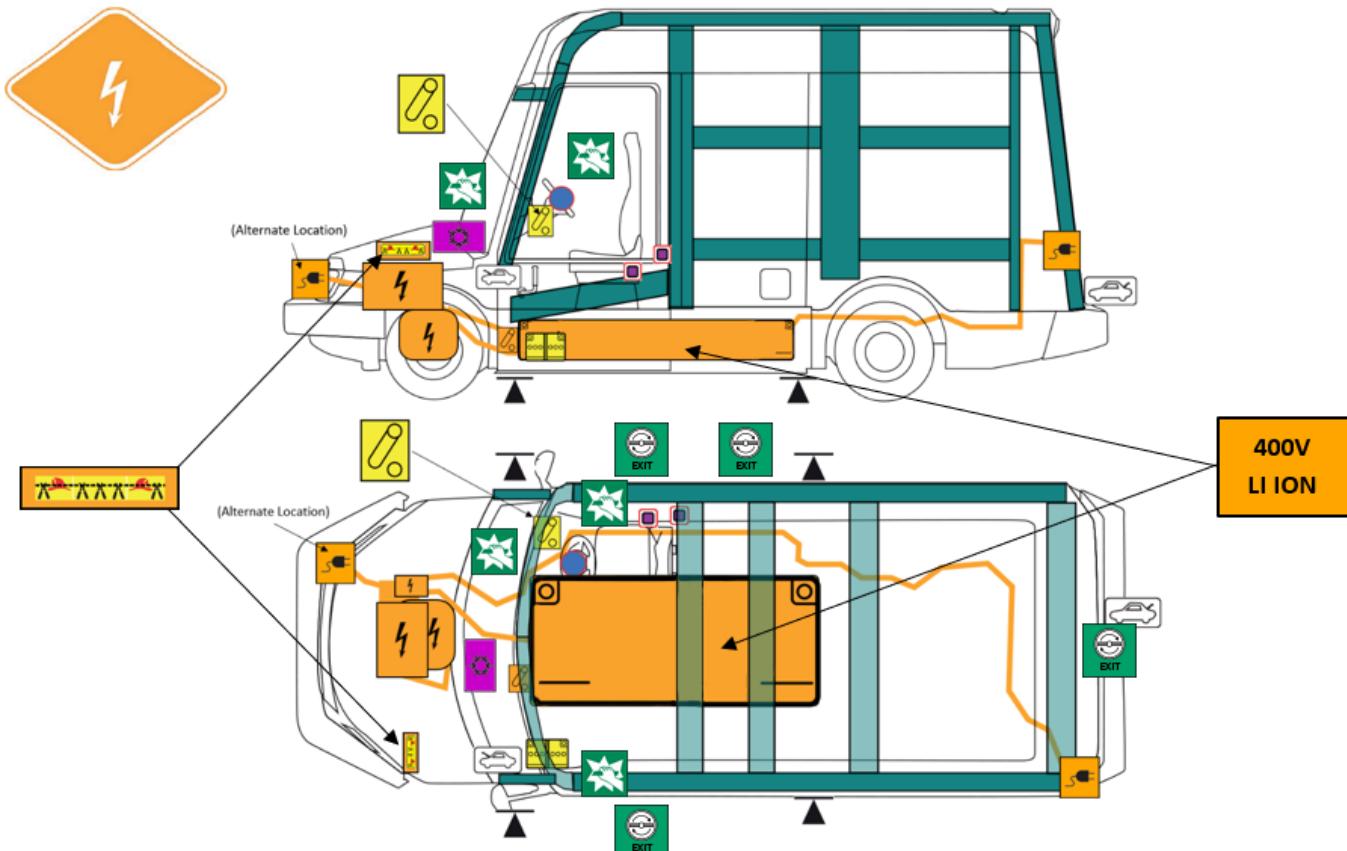
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VEHICLE NAME/MODEL: Oshkosh® Next Generation Delivery Vehicle™ NGDV™ TYPE/DESIGNATION: Battery Electric Vehicle (BEV) PRODUCTION YEARS: 2024 — Present



Vehicle On/Off	Low Voltage Battery	Seat Belt Pretensioner	High Strength Zone	High Voltage Cut Loop	High Voltage Battery	Vehicle Charge Inlet
High Voltage Component	High Voltage Power Cable	Central Support and Jack Points	Hood Latch	Trunk Latch	Airbag	Entry/Exit Points
Break Points	Air Conditioning Component					



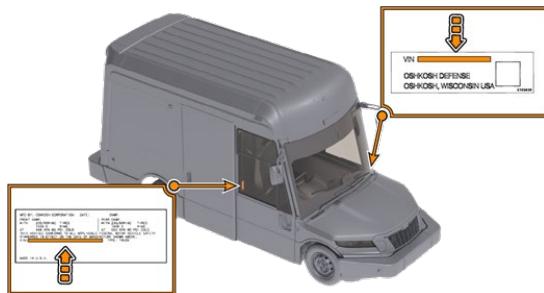
1. Identification / Recognition



Electric (400 Lithium-Ion Battery)

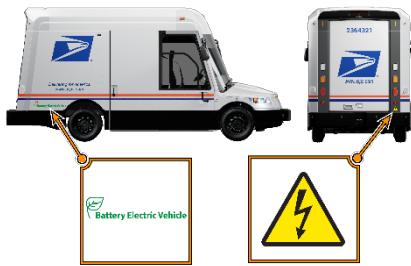
VIN location

The VIN plate can be found inside the door pillar by the driver seat and on the dash by the bottom corner of the windshield street side.



External Badging Identification

There are physical manufacturer (Oshkosh) emblems or logos. The vehicle has battery electric labels on the sides identifying that the vehicle is battery powered. A yellow high voltage label is visible on the rear driverside bumper of the vehicle indicating that the vehicle is electric and high voltage exists onboard.



2. Immobilization / Stabilization / Lifting

⚠️ WARNING: Unintended Movement Hazard. Failure to follow shutdown procedures could result in unintended vehicle movement. Always approach the vehicle from the sides to stay out of the potential travel path and properly chock the wheels. Reduced vehicle noise may make it difficult to determine if the truck is energized. Failure to comply may result in serious personal injury or death.

⚠️ WARNING: Electric Shock Hazard. Do not use high voltage battery or any high voltage components to lift or stabilize vehicle. Use only designated lifting points. Failure to comply may result in serious personal injury or death.

Park Brake

Put the vehicle into park (P) position (1) by rotating the shifter knob to “P” and ensure that the electronic parking brake (2) is engaged. Power off vehicle by selecting the vehicle start/stop button.



Wheel Chocks

Properly chock wheels to prevent vehicle movement.

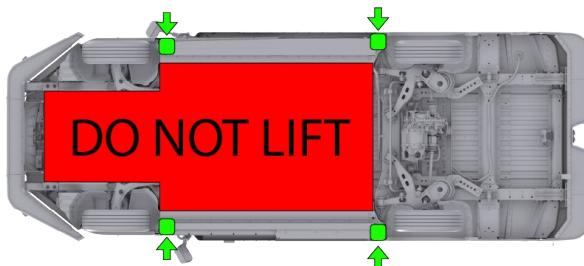


Lifting/Jacking the vehicle

Use jacking points identified in the illustration. The illustration shows the view from underside of the vehicle.

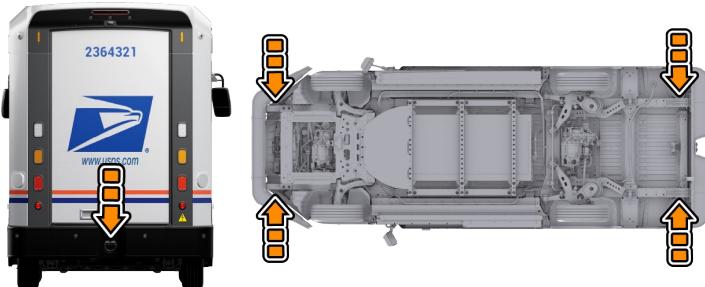
Legend

- Lift/Jack location
- DO NOT LIFT/JACK



Recovery/Righting of the vehicle if it is on its side

The vehicle has a designated D-ring located at the center of the rear bumper for vehicle recovery. The vehicle tie-down points under the front and rear bumpers can be utilized as recovery points if the designated recovery D-ring is inaccessible or if the vehicle requires to be up-righted. Ensure lifting devices do not contact high voltage cables or batteries.



3. Disable direct hazards / Safety regulations



WARNING: Electric Shock Hazard. Always assume the vehicle's high voltage system is powered ON! Cutting, touching, crushing, or tampering with the vehicle's high voltage components can result in serious injury or death. Always use appropriate tools and use appropriate personal protective equipment (PPE). Failure to comply may result in serious personal injury or death.



WARNING: Electric Shock Hazard. De-Energizing the high voltage (HV) system does not dissipate voltage inside the battery pack! HV battery packs remain energized. High voltage cables between battery packs and HV power distribution unit remain energized. Making contact with the high voltage battery pack internals or battery cables may result in serious personal injury or death.



WARNING: Electric Shock Hazard. Electric vehicles damaged in a crash may have compromised safety systems and may present a potential electrical shock hazard. Use caution and use proper protective equipment including high voltage safety gloves and boots. Remove all metallic jewelry. Isolate the high voltage system as directed. Failure to comply may result in serious personal injury or death.



WARNING: Electric Shock Hazard. Service and handling of high voltage components is to be restricted to qualified personnel only. Failure to follow this instruction and those applicable to your region may result in serious personal injury or death.

3.1 Approaching a Vehicle

Remove all metallic conducting items such as jewelry before approaching the vehicle. Always chock the wheels to restrict vehicle movement. Wear Proper Protective Equipment (PPE) especially high voltage safety gloves and boots.

3.2 Disabling Procedure

1. Turn the vehicle off by pressing the "Engine Start/ Stop" button.



2. Move the key fob a minimum of 15 feet away from the vehicle to prevent accidental starting of vehicle.

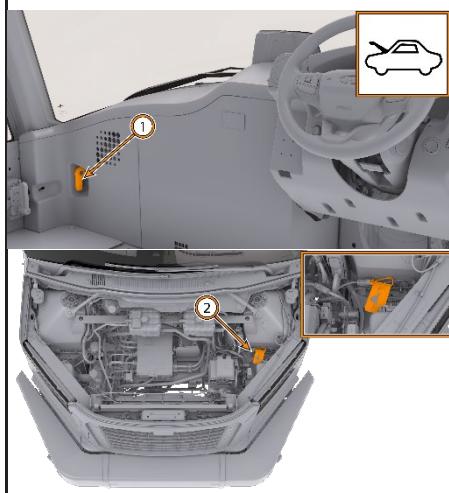


3.3 Alternative Methods for Disabling the High Voltage System

Option 1: High Voltage Disconnect (cut loop)

Note: Hood latch may not be accessible from driver side due to the mail tray. In this case, access hood latch from the vehicle's left door.

1. Pull the hood release lever (1) located inside the cabin on the vehicle left side and open the hood.
2. Double cut the marked cut loop (2) located on the vehicle left hand side.

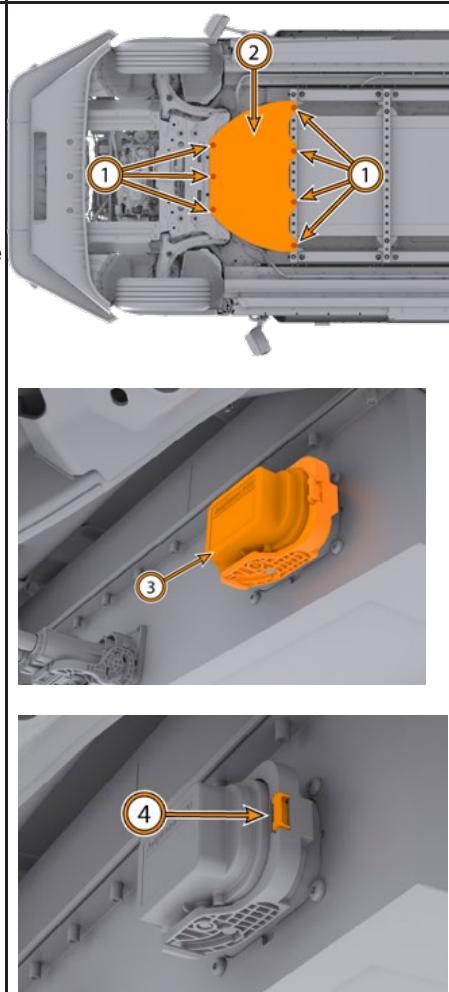


Option 2: High Voltage Master Service Disconnect

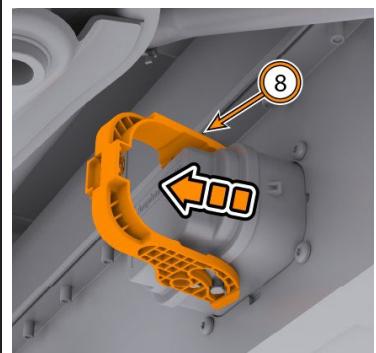
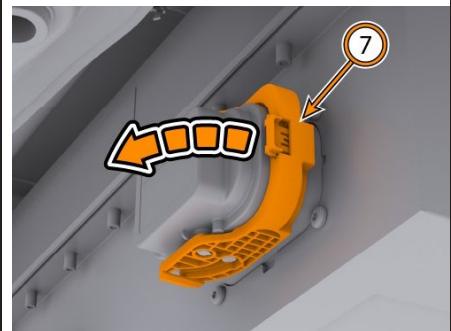
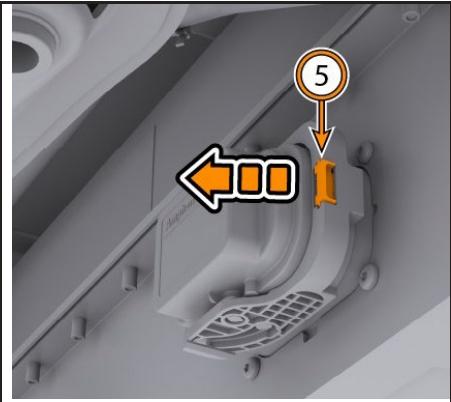
1. Remove the seven push-in fasteners (1) holding the splash guard panel underneath the vehicle.
2. Remove the splash guard panel (2).
3. Locate the MSD (3) on the battery. It is located on the street side of the vehicle.

Note: The MSD will be locked in place and must be unlocked to remove.

4. Locate the locking tab (4).



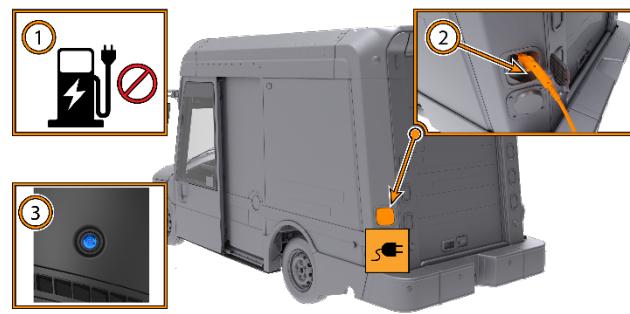
5. When unlocked, the tab will protrude out (5).
6. Pull the tab out (6).
7. Rotate the lever (7) until it is 90 degrees from its original position.
8. Grab the lever (8) and pull the MSD off of the battery pack.
9. Cover exposed socket and connector.



3.4 Deactivation Method if Vehicle is Charging

If vehicle is actively charging,

1. Activate E-STOP at the charging port location if available on electric vehicle supply equipment (EVSE, which includes charging station, cable, connectors, etc.).
2. Unplug vehicle from charger.
3. Wait for the blue light on dash to turn off.



4. Access to the vehicle's occupants



WARNING: Pinch Point Hazard. The vehicle doors are heavy. Use caution when opening and avoid pinch points. Failure to comply may result in serious personal injury or death.



WARNING: Fall Hazard. Always maintain three (3) points of contact (such as one foot and two hands or one hand and two feet) when getting in or out of the vehicle. Use step and handholds provided. Failure to comply may result in serious personal injury or death.

There are four door exits and three window exits.

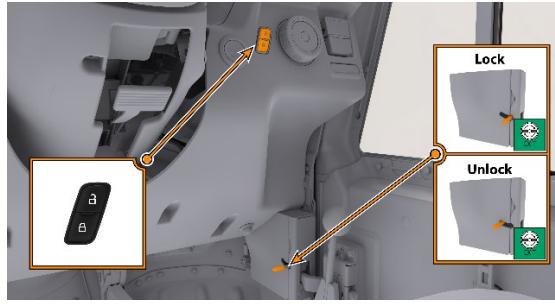
Access from Side Cargo Door or Rear Rollup Door may require access through partition door for access to the cab area.

Access to occupants can be achieved by using the door handles or by breaking the windows.



The Next Generation Delivery Vehicle (NGDV) uses a keyless fob. A physical key is also available as a back up to unlock the driver door mechanically.

All of the doors including the internal partition can be unlocked from inside of the vehicle by using the electronic lock/unlock located between the engine start button and the shifter knob or the mechanical lock by the door handle inside.



Seat Adjustment and Seat Restraints

The seat has manual levers to adjust the height and the longitudinal position of the driver. The lower pre-tensioner on the seat is triggered via pyrotechnic in the event of a crash.

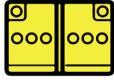


Steering Column Adjustment

The steering wheel can be adjusted with the lever underneath the steering column. The steering wheel also has a deployable airbag in the event of a crash.



5. Stored Energy / Liquids / Solids

Component	Type	Color	Hazards Associated
	400V Nominal	Colorless	     
	12V AGM	Colorless	   
	R1234yf	Colorless	    



6. In case of Fire



WARNING: Inhalation Hazard. Fires in crash-damaged electric vehicles may emit toxic or combustible gases. Wear personal protective equipment and self-contained breathing apparatus (SCBA) when working in close proximity or in a confined area. Ventilate the vehicle interior by opening the vehicle windows or doors. Ventilate the working area. Furthermore, take appropriate measures to protect civilians downwind from the incident. Failure to comply may result in serious personal injury or death.



WARNING: Explosion Hazard. Lithium-Ion batteries can explode during fire. Use caution and wear proper PPE. Failure to comply may result in serious personal injury or death.



WARNING: Fire Hazard. Electric vehicles with damaged high voltage batteries require special handling precautions. Inspect the vehicle carefully for leaking battery fluids, sparks, flames, and gurgling or bubbling sounds. Contact emergency services immediately if any of these problems are observed. Failure to comply may result in a vehicle fire and serious personal injury or death.

6.1 For Vehicle Fires

Extinguishing Fire



Use Wet Foam when other materials are involved.

Use water to extinguish Li-ion fires.

Hazardous to Human Health



May cause an allergic skin reaction.

Do not breathe dust, fumes, gas, mist, vapors, or spray.

Breather valves may emit large flames because of thermal runaway.

Explosion Hazard



Explosive gas could accumulate – ventilate the working area.

Move the vehicle outside buildings after extinguishing fire.

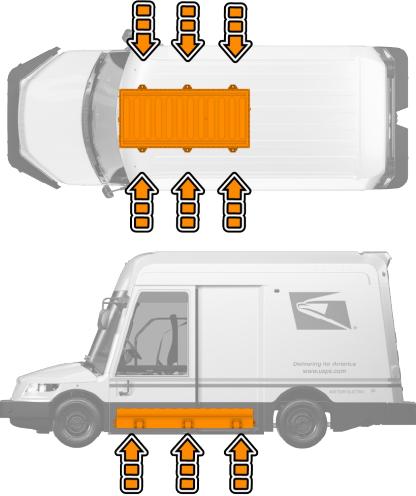
Damaged Li-ion batteries could reignite; keep vehicle away from combustible materials.

Corrosives



Causes skin burns and eye damage.



High Voltage (400 V)	Wear appropriate PPE (High Voltage rated gloves and boots).
	
Battery Fire   	<ul style="list-style-type: none"> • May take 24 hours for battery pack to cool. • Remove sources of ignition. • Cool burned mass with water to cool battery cells. • Check Li-ion battery pack fires with thermal infrared camera (TIC or IR gun)
6.2 For Battery System Fires Flood the battery structure with water to cool structure.	
6.3 For Other Fires Located in the Cab	<ol style="list-style-type: none"> 1. Extinguish the fire with water and/ or a fire extinguisher. 2. Move vehicle to a safe area.

7. In case of Submersion

 **DANGER:** Battery Failure Present Hazard. Visible bubbling or fizzing from a submerged or damaged electric vehicle may indicate high-voltage battery failure or an active electrical discharge. Do not touch, move, or attempt extraction of the vehicle while bubbling or fizzing is present. Maintain a safe distance until the reaction has stopped and the area is deemed safe. Failure to comply will result in serious personal injury or death.

 **WARNING:** Electric Shock Hazard. High-voltage components and wiring may be energized and present a shock hazard. Always treat the high-voltage system as fully charged. Use appropriate PPE, including high-voltage safety gloves and boots, and remove all metallic objects such as jewelry before approaching or handling the vehicle. Failure to comply may result in serious personal injury or death.

 **WARNING:** Electric Shock Hazard. A flooded vehicle that is plugged into a charging station can pose an electrocution hazard from the vehicle to the charging station. Always make sure that the vehicle is not plugged into a charging station before attempting to service. Failure to comply may result in a vehicle fire and serious personal injury or death.

 **WARNING:** Fire Hazard. Flooded battery can still have stored energy and catch on fire.

 **WARNING:** Electric Shock Hazard. Vehicles that have been submerged have a higher risk for a high voltage electrical battery fire and should be handled with more caution. The damage level of a submerged vehicle may not be visible. Submersion in water can damage the electrical components. It is recommended that fire fighters be present and ready in case of fire.

- Avoid any contact with the high voltage cables and electric components. If possible, remove the vehicle from the water and continue with the disable procedure for this vehicle (see Chapter [3. Disable direct hazards / Safety regulations](#) for more information). Do not remove High Voltage (HV) Disconnect from HV battery or modify any HV components or HV Cables.



8. Towing / Transportation / Storage

⚠️ WARNING: Electric Shock Hazard. Do not tow the vehicle with front wheels on the ground as this may cause the vehicle to generate electricity and can cause potential damage. Failure to comply may result in serious personal injury or death.

⚠️ WARNING: Unintended Movement Hazard. Always approach the vehicle from the sides to stay out of the potential travel path. It may be difficult to determine if the vehicle is running due to lack of engine noise. Failure to comply may result in serious personal injury or death.

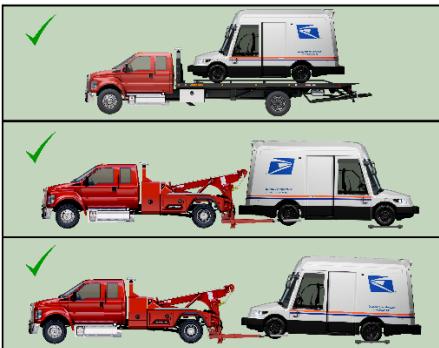
⚠️ WARNING: Fire Hazard. Be alert. There is a potential for delayed fire with damaged lithium-ion batteries. Measure temperature with thermal camera before and after transportation. Failure to comply may result in a vehicle fire and serious personal injury or death.

8.1 Towing / Transportation Procedure

Avoid wheel movement of the front wheels by either:

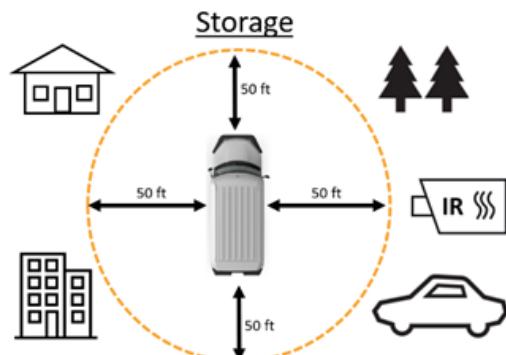
- Flatbed towing
- Using dollies for lift towing

See illustrations for examples.



8.2 Storage Procedure

- Make sure the damaged vehicle is kept in an open area 50 feet away from structures, combustibles, and other vehicles. Do **NOT** store in an enclosed building.
- If you see leaking fluids, sparks, smoke, flames, increased temperature, gurgling, popping, or hissing noises from the high voltage battery compartment, ventilate the area and call 911.
- Procedures:
 1. Place the vehicle in park
 2. Ensure the electronic parking brake is engaged
 3. Turn off the vehicle
 4. Activate hazard lights
 5. Chock the vehicle wheels



9. Important Additional Information

The Oshkosh® NGDV™ comes in multiple variants. Both a Battery Electric Version (BEV) and an Internal Combustion Engine (ICE) in both All Wheel Drive (AWD) and Front Wheel Drive (FWD). Pay attention to the badging on the vehicle to determine the type of variant as mentioned in section 1 under **External Badging Identification**.



10. Explanation of Pictograms Used

Use water to extinguish fire	Use ABC powder to extinguish fire	Environmental Hazard	Flammable	Explosive	Corrosive	Hazardous to human health
Acute toxicity	Warning: High Voltage	General Warning	Warning: Low Temperature	Use Thermal Infrared Camera	Building	House
Trees/Combustibles	Car/Vehicles	Seat Height Adjustment	Seat Longitudinal Adjustment	Steering Wheel Tilt	Air-Conditioning Component	Vehicle Charging Station
Remove Smart/ Starter Key	Electric Propulsion	Vehicle On/Off	Low Voltage Battery	Seat Belt Pretensioner	High Strength Zone	High Voltage Cut Loop
Airbag	Entry/Exit Points	Break Points				

