This guide has been prepared to assist emergency response professionals in identifying a 2017–18 Clarity Electric vehicle and safely respond to incidents involving this vehicle.

Copies of this guide and other emergency response guides are available for reference or downloading at https://techinfo.honda.com.

For questions, please contact your local Honda Clarity Electric dealer or Honda Automobile Customer Service at (800) 999-1009.

Honda wishes to thank emergency response professionals for their concern and efforts in protecting Honda customers and the general public.
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The Honda Clarity Electric can be identified by the emblem “CLARITY”, mounted on the trunk and the emblem “ELECTRIC” mounted on the trunk and the front fenders.
A Honda Clarity Electric can also be identified by inspecting the VIN at the three locations shown below. Characters 4–6 of the VIN will show ZC6 indicating that it is a Honda Clarity Electric.

JHMZC6*****000001

VIN plate located on the lower-right corner of the front windshield.

HUD is showing remove

Stamped into the floor panel in front of the passenger seat under a plastic panel marked FRAME NUMBER

Printed on the VIN label on the driver’s door opening
Vehicle Dimensions

Vehicle Weight = 4,024 lb. (1,826 kg)
High-Strength and Ultra-High-Strength Steel
The body of the Honda Clarity Electric is comprised of high-strength steel and ultra-high-strength steel indicated in the colored areas.

Upper View

Lower View

Use new body image
Aluminum Body Parts
The body parts indicated in orange are constructed from aluminum alloy.
Seat Belts and Airbags
The Honda Clarity Electric is equipped with lap/shoulder belts in all seating positions. The front seat belts are equipped with pyrotechnically activated tensioners that help tighten the seat belt in a sufficient crash.

In addition, the Honda Clarity Electric is equipped with the following airbags:

- Front Airbags - Driver/Front Passenger
- Side Airbags - Driver/Front Passenger
- Side Curtain Airbags – Driver's Side/Passenger Side (Both Rows)
- Knee Airbag - Driver

In a collision severe enough to deploy one or more of the airbags, the Honda Clarity Electric electrical system is designed to automatically open the high-voltage electrical contactors. This disconnects the high-voltage battery from the other high-voltage components and stops the flow of electricity in the high-voltage cables.

*Responders should always assume, however, that the high-voltage system is powered on and take the appropriate action described later in this guide to power off the system.*

It takes up to 3 minutes for the airbags and tensioners to power off after the 12-volt system has been turned off by following the emergency shutdown procedures provided later in this guide.

Use new SRS layout
12-Volt Battery
A conventional 12-volt battery is located under the front hood of the vehicle. This battery powers the airbags, lights, audio system, and other standard 12-volt system components. In an emergency situation, it may be necessary to disconnect or cut the 12-volt battery negative cable.

High-Voltage Lithium-Ion Battery
In addition to a 12-volt battery, the Honda Clarity Electric has two lithium-ion batteries with a nominal maximum voltage of 348 volts. Housed in a water resistant case, the lithium-ion batteries are stored under the cabin floor and under the rear section of the body. This means that the lithium-ion battery body is normally hidden from view.

The battery electrolyte is sealed inside the lithium-ion battery. In the unlikely event that the lithium-ion battery is damaged, there is no danger of electrolyte liquid pouring out in large quantities.
Key Components
High voltage flows through easy-to-identify, heavy-duty orange cables. These cables are purposely routed through areas away from the usual cut points.

There are two sections of the high-voltage cables that can be cut in the event of emergency and the high-voltage system needs to be shut down. They can be identified by the labels as shown.

Cut Point Labels
(Refer to page 19 for more information.)
Lithium-Ion Battery Fumes or Fire
A damaged high-voltage lithium-ion battery can emit toxic fumes and the organic solvent used as electrolyte is flammable and corrosive, so responders should wear appropriate personal protective equipment. Even after a lithium-ion battery fire appears to have been extinguished, a renewed or delayed fire can occur. The battery manufacturer cautions responders that extinguishing a lithium-ion battery fire will take a large and sustained volume of water.

Responders should always ensure that a Honda Clarity Electric with a damaged battery is kept outdoors and far away from other flammable objects in order to minimize the possibility of collateral fire damage should the battery catch on fire.

Lithium-Ion Battery Fluid
Avoid contact with the high-voltage battery fluid. The high-voltage battery contains a flammable electrolyte that could leak as a result of a severe crash. Avoid any skin or eye contact with the electrolyte as it is corrosive. If you accidentally touch it, flush your eyes or skin with a large quantity of water for at least 5 minutes and seek medical attention immediately.

Electric Shock
Unprotected contact with any electrically charged high-voltage component can cause serious injury or death. Receiving an electric shock from a Honda Clarity Electric, however, is highly unlikely because of the following:

• Contact with the battery module or other high-voltage components can only occur if they are damaged and the contents are exposed, or if they are accessed without following proper precautions.

• Contact with the electric motor can only occur after one or more components are removed.

• The high-voltage cables can be easily identified by their distinctive orange color, and contact with them can be avoided.

If severe damage causes high-voltage components to become exposed, responders should take appropriate precautions and wear appropriate insulated personal protective equipment.
In the event of a crash, the SRS (Supplemental Restraint System) unit makes a judgment based on input from the impact sensors. If the input values meet various threshold requirements, the SRS unit sends a signal to the high-voltage battery ECU (Electronic Control Unit). The high-voltage battery ECU then turns off the high-voltage battery contactors, stopping the flow of electrical current from the high-voltage battery.

When responding to an incident involving an Honda Clarity Electric, we recommend that emergency personnel follow their organization’s standard operating procedures for assessing and dealing with vehicle emergencies.

Given our knowledge of the Honda Clarity Electric, we also recommend that responders follow the procedures on the following pages to avoid potentially lethal shock by high voltage.
Submerged Vehicle
If a Honda Clarity Electric is submerged or partly submerged in water, first pull the vehicle out of the water. Then, shut down the high-voltage system using one of the two procedures described on the following pages.

Aside from severe damage to the vehicle, there is no risk of an electric shock from touching the vehicle’s body or framework — in or out of the water. If the high-voltage battery was submerged, you may hear noises from the battery as the cells are being discharged from shorting.
Preventing Current Flow Through High-Voltage Cables
Before attempting to rescue occupants or move a damaged Honda Clarity Electric, you should reduce the potential for current to flow from the electric motor or the high-voltage battery through the high-voltage cables.

There are two recommended methods for preventing current flow. These are discussed on the following pages.

**BEST METHOD for High-Voltage Shutdown**
*Push and hold the POWER button for 3 seconds.*

This simple action turns off the vehicle and immediately shuts down the high-voltage system controllers, thereby preventing current flow into the cables. It also cuts power to the airbags and the front seat belt tensioners, though these pyrotechnic devices have up to a 3-minute deactivation time.

To prevent accidental restarting, you must remove the keyless remote from the vehicle and move it at least 20 feet away.

If you cannot locate the keyless remote, you should also do the SECOND-BEST METHOD for High-Voltage Shutdown (for preventing high-voltage current flow) on the following page.
SECOND-BEST METHOD for High-Voltage Shutdown
Locate and cut the negative 12-volt battery cable and the DC to DC converter cable.

Together, cutting the negative 12-volt battery cable and cutting the DC to DC converter cable immediately turns off and shuts down the high-voltage system controllers, thereby preventing current flow into the high-voltage cables.

1. Pull the hood release handle located on the driver's left kick panel.

2. Locate the hood latch lever, push the lever, and lift the hood.
SECOND-BEST METHOD for High Voltage Shutdown

3. Locate the two cut point labels shown, and cut them.

When cutting the cables, do not allow the cutting tool to contact any surrounding metal parts; electrical arcing could occur, which can ignite any flammable vapors.

NOTE: If you cannot do either method to stop the engine and prevent current flow into the high-voltage cables, use extreme care and do not touch damaged cables as they may be electrically charged.
Extricating Occupants
If you need to cut the vehicle body or use Jaws-of-Life equipment to remove occupants, be sure to stay within the cut zone indicated in the illustration below.

If you need to cut the hood to open it, be sure to stay within the cut zone indicated in the illustration below.
Emergency Towing

The preferred method is to use a flat-bed tow truck. If wheel lift equipment must be used, be sure to suspend the front wheels and release the parking brake.

Be aware that when rolling a Honda Clarity Electric with the front (drive) wheels on the ground, the electric motor can produce electricity and remains a potential source of electric shock even when the high-voltage system is turned off.

⚠️ Warning

If orange high-voltage cables or high-voltage covers have been damaged, exposing wiring, terminals, or other components, the exposed parts should never be touched. Doing so could result in serious injury or death due to severe burns or electric shock.

If it is not clear whether the exposed wires and terminals are high-voltage components or not, do not touch them.

If touching high-voltage cables and other high-voltage components is unavoidable, personal insulating protective equipment (insulating gloves, protective goggles, and insulating boots) should always be worn.
Securing the Vehicle
The recommended tie-down locations are indicated in red.

- 2 tie-down slots are located behind the front wheel and in front of the rear wheel.
- The front tow hook is located in front of the right-front tire.
- There is no tow hook at the rear.

Acoustic Vehicle Alerting System
The Honda Clarity Electric is equipped with an acoustic vehicle alerting system and alerts pedestrians that it is approaching with an audible sound when the speed is about 12 mph or less. When pushing the Honda Clarity Electric, you will hear this sound as the vehicle is being moved.
Dealer Inspection and Repair
A damaged Honda Clarity Electric must be taken directly to an authorized Honda Clarity Electric dealer for a thorough inspection and repairs. For questions or to locate an authorized Honda Clarity Electric dealer, please contact Honda Customer Service at (800) 999-1009.

High-Voltage Battery Recycling
The high-voltage lithium-ion battery requires special handling and disposal. If disposal is necessary, please contact an authorized Honda Clarity Electric dealer or American Honda’s Hybrid Battery Consolidation Center at (800) 555-3497 for assistance.