	GROUP	MODEL
	Electrical	**2022~MY EV6 (CV)**
	NUMBER	DATE
	PS725	**March 2022**

PITSTOP TECHNICAL OPERATIONS

SUBJECT: DRIVING RANGE/DISTANCE TO EMPTY (DTE) CONCERNS

This bulletin provides information explaining some factors that may impact the actual driving range or "Distance to Empty" (DTE) calculations in 2022~MY EV6 (CV) vehicles. These factors (shown below) can impact the Environmental Protection Agency (EPA) rated ranges based on several inputs.

EPA Rated Ranges for EV6 (CV)

Category	EV6 Trim		
	Light (RWD)	Wind/GT Line (RWD)	Wind/GT Line (AWD)
Battery Capacity (kWh)	58.0	77.4	77.4
EPA* All Electric Range (AER) (miles)	232	310	274
EV6 Indicated Miles per kWh** (mi/kWh)	4.0	4.0	3.5
Normal Mileage Range Based on Driving Conditions (miles)	124 - 286	162 - 379	143 - 335

* https://www.fueleconomy.gov/

**Approximate vehicle indicated efficiency to achieve rated range. (See screenshots on next page.)

When addressing customer concerns of available range/DTE:

- Refer to the recorded vehicle efficiency numbers (mi/kWh) and compare to the target values needed to achieve the rated range for the model in question.
- Review the factors affecting actual driving range and displayed DTE described on the next page.
- Perform a full charge (100% SOC) and note the displayed DTE in Normal drive mode with the HVAC system OFF.

If there are still concerns, open a Techline case and provide:

- All of the above information
- HV battery (BMS) recorded data

Factors Affecting Actual Driving Range/Distance to Empty (DTE):

Several factors can affect an electric vehicle's actual driving range or DTE including:

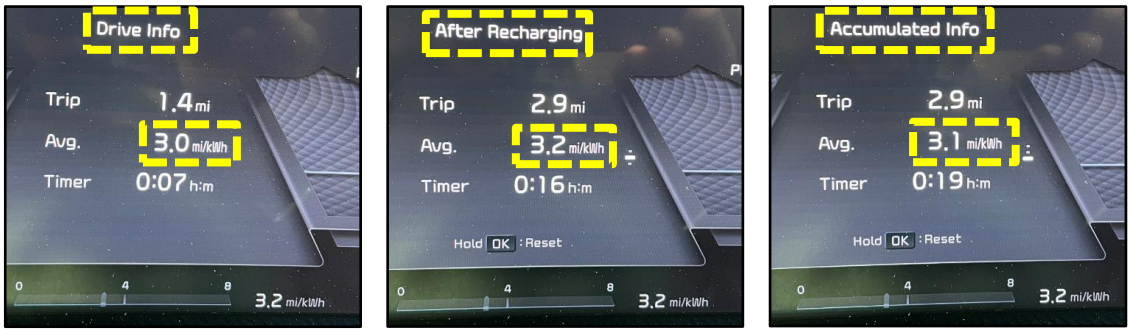
- Driving style
- Drive mode (Eco/Normal/Sport)
- HVAC use (heating and cooling)
- Ambient temperature
- Vehicle load
- Tire pressures
- Wind
- Driving terrain/hills

Factors Affecting Displayed Distance to Empty (DTE):

- Previous Driving Style/HVAC Use:
  When no destination has been set, the Distance to Empty monitor relies solely on the heating and air conditioning settings, previous driving patterns, and natural battery degradation to calculate the vehicle's remaining range.

- Use of Navigation Destination:
  When the driver sets a destination, the Distance to Empty monitor can access and utilize additional information provided by the navigation system, including route information, which provides a more accurate range estimate.

Current Miles per Kilowatt Hour (mi/kWh) Displays:



Historical Miles per Kilowatt Hour (mi/kWh) Displays:

For more details, refer to the videos below.

- EV Distance to Empty: https://www.youtube.com/embed/ybS29V10MNY
- EV Energy Consumption: https://www.youtube.com/embed/KwLeVn2ODPI