



# Preliminary Information

## PIC6542 Diagnostic Tip - Stealth and/or Shuttle Mode Unavailable Message in the DIC

### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Corvette E-Ray	2024	All	All	LT2	MLH

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Involved Region or Country	North America, Australia / New Zealand, Europe, Japan, Middle East
Additional RPO	HP1
Condition	Some customers may claim that they see one of either message in the instrument cluster, "Stealth Mode is Unavailable" or Shuttle Mode is Unavailable".
Concern	Both "Stealth Mode" and "Shuttle Mode" are intentionally unavailable for many different reasons by design. This is considered normal operation.

### Correction:

Please review the following information with the customer, as all conditions listed below are required for each respective mode to be selected.

The Corvette E-Ray has two electric-only methods of propulsion. They are called Stealth Mode, and Shuttle Mode. Stealth mode is used to silently exit your residence before the engine turns on for maximum performance capability. The typical range in Stealth Mode is about three to four miles, depending on the starting SOC, vehicle speed, and other driving conditions. This range will vary based on the individual. Shuttle Mode is not intended for public roads, and it limits the vehicle to approximately 15 mph.

In order to select either of the electric-only drive modes that are available on the Corvette E-Ray, the following criteria must be true:

### Stealth Mode Enable Conditions:

1. Vehicle in "Off" power mode.
2. Foot depressing brake pedal.
3. Seatbelt on.
4. Doors closed.
5. Attempt to change drive modes and wait for the prompt.
6. Outside Air Temperature > 50°F (as determined by the vehicle).
7. High Voltage Battery > 28% displayed state of charge.
8. 12v Battery > 65% state of charge (this parameter is not displayed to the customer).
9. 12v Battery Temperature > 41°F (this parameter is not displayed to the customer).
10. Parked on a grade < 12%.
11. Fuel level > 8%.
12. Other hidden internal factors determined by various control modules.
13. Press Start Button.

### Shuttle Mode Enable Conditions:

1. Vehicle in "Off" power mode.

2. Foot depressing brake pedal.
3. Doors closed.
4. Attempt to change drive modes and wait for the prompt.
5. Outside Air Temperature > 14°F (as determined by the vehicle).
6. HV Battery > 30% displayed state of charge.
7. Parked on a grade < 12%.
8. Other hidden internal factors determined by various control modules.
9. Press Start Button.

**Notes**

HVAC cabin heating/cooling/defrost/fan will not function in these modes, since the engine is required for those functions. Heated/Ventilated Seats and Heated Steering Wheel will function in these modes. If heat, A/C, or defrost controls are pressed while in Stealth Mode, the engine will automatically start and the climate controls will be active.

The criteria for exiting these modes can be found in the owner’s manual.

Warranty Information

Diagnosis of a "Stealth Mode Unavailable" or a Shuttle Mode Unavailable" message, along with the absence of DTCs, is not covered under warranty, due to the large number of normal factors which will prevent Stealth and/or Shuttle Modes.

Version History

Version	1
Modified	03/12/2024 - Created on.



GENERAL MOTORS