# TECHNICAL SERVICE BULLETIN
# 3.3L Duratec Hybrid/3.3L Duratec/3.0L EcoBoost - Operator Commanded Interior Cabin Heating For Virus Reduction

**22-2290**
20 July 2022

This bulletin supersedes 21-2359.

**Model:**

| | |
|---|---|
| **Ford**<br>2020-2021 Explorer | Engine: 3.0L EcoBoost<br>Engine: 3.3L Duratec<br>Engine: 3.3L Duratec Hybrid |


**Summary**

This article supersedes TSB 21-2359 to update the Service Procedure.


**Issue:** 2020-2021 Police Interceptor Utility vehicles equipped with a 3.3L Duratec, 3.3L Duratec Hybrid, or 3.0L EcoBoost engine have a module programming update that allows the operator to command a virus reducing heating procedure that, when combined with Centers for Disease Control and Prevention (CDC) guidelines, helps reduce virus counts inside the interior of Police Interceptor Utility vehicles. Follow the Service Procedure to perform the virus reducing heating procedure.

**NOTE: This is not a diagnostic routine and should not be used in any way to repair a vehicle. This procedure cannot be submitted on a warranty claim. This procedure is only intended for the first and second row seating areas. Ambient temperatures will affect this procedure. When performing this procedure, ambient temperatures should be above approximately 10°C (50°F). Weather conditions such as wind and rain may also affect the amount of time needed to perform the procedure.**

**Action:** Follow the Service Procedure on vehicles that meet all of the following criteria:

- 2020-2021 Police Interceptor Utility vehicles
- One of the following engine configurations:
  - 3.0L EcoBoost
  - 3.3L Duratec
  - 3.3L Duratec Hybrid

**Parts**

| Service Part Number | Quantity | Description |
|---|---|---|
| FPS-8262 | 1 | Ford Authorized Modification Label |

**Warranty Status:** Information Only – Not Warrantable.

**Repair/Claim Coding**

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|---|---|
| Causal Part: | IN |
| Condition Code: | 04 |

## Service Procedure

1. Using the latest software level of the Ford Diagnosis and Repair System (FDRS), reprogram the powertrain control module (PCM), hybrid powertrain control module [if HEV] (HPCM/SOBDMC), body control module (BCM), the gateway module (GWM) and the heating, ventilation and air conditioning (HVAC) module.
2. Once the reprogramming is complete, reconfigure the HVAC module using the HVAC Configuration Application in the FDRS.
3. Once the reconfiguration is complete, the vehicle operator has the ability to command heating of the vehicle interior without further use of a diagnostic scan tool.

**4.** It is suggested to label the vehicle as having the update performed. Use the Ford Authorized Modification Label, to record the vehicle's information.

## Virus Reducing Heating Procedure

**WARNING: Ford Motor Company is not responsible for any failure in following these instructions which may result in serious personal injury or damage to a vehicle. Performing this procedure will increase the interior temperature of the vehicle. Before performing this procedure, remove all occupants from the vehicle along with any equipment that should not be exposed to excessive heat. These may include, but are not limited to: personal items, cell phones, laptops, battery operated equipment, weapons, ammunition, oxygen tanks, backpacks, gas detectors, liquids, medical equipment, personal protective equipment and/or potentially flammable material. Make sure to exercise caution when entering the vehicle after this procedure has been performed. Interior surfaces will be hot. Exhaust gases will be generated during this procedure. Failure to perform this procedure in a well ventilated area could result in elevated concentrations of exhaust gases in and around the vehicle.**

**CAUTION: Performing the interior cabin heating procedure has the possibility of inadvertently illuminating the tire pressure monitoring system (TPMS) and/or rear backup sensor warning indicator on the instrument panel cluster (IPC). Make sure to verify tire pressures are correct before starting this procedure. If a TPMS warning indicator remains illuminated after the interior cabin heating procedure has completed, and tire pressures are not low, drive the vehicle at speeds over 32 km/h (20 mph) for approximately 5 minutes to reset the TPMS.**

**NOTE: This procedure is intended to be run on vehicles that follow all manufacturer suggested maintenance and with all fluid levels being set to manufacturer suggested levels.**

**NOTE: Vehicle must have at least a 1/4 tank of fuel to perform the procedure.**

**NOTE: If the Ford installed secure idle vehicle option is to be used in conjunction with this interior cabin heating procedure, make sure to press the secure idle button before entering this procedure.**

**1.** Place the vehicle in park (P) in a well-ventilated area or in a garage with vehicle exhaust extraction equipment attached and properly functioning.

**2.** Is the engine at or near normal operating temperature (for 3.0L EcoBoost and 3.3L Duratec), or Ready to Drive (for 3.3L Duratec Hybrid)?

(1). Yes - proceed to Step 3.

(2). No - bring the engine up to normal operating temperature or Ready to Drive.

**3.** Make sure the hood, liftgate, doors, and windows are closed.

**NOTE: Do not open the hood, liftgate, doors, or windows while the procedure is in operation as it may extend or abort the procedure.**

**4.** To maximize heat transfer to the second row seating area, open any sliding partitions and remove any first-to-second row barriers that can be easily detached or removed.

**5.** Make sure that all footwells and HVAC ducts are open and clear from any obstruction. This includes removing or relocating any loose items located under the front seats.

**6.** Make sure all instrument panel register vents are pointing directly towards the rear of the vehicle.

**NOTE: NOTE: To assist with this procedure, it is recommended that a partition, potentially made of foam board insulation, wood, cardboard, or equivalent be created and installed between the second row seating area and the cargo area. (Figure 1)**

Figure 1


**7.** Start the vehicle.

**8.** Using the cruise control setting buttons located on the steering wheel, press the buttons in the following sequence: Set+, Set-, Set+, Set-, On/Off, Cancel, On/Off, Cancel.

**WARNING: If the operator commanded interior cabin heating needs to be canceled for any reason, press the brake pedal using the operator's foot.**

**NOTE: Perform this sequence in rapid succession to initiate the procedure.**

**NOTE: Do not touch any other vehicle inputs after entering the cruise control button sequence. Pressing any other buttons or driver inputs could cause this procedure to abort.**

**NOTE: The vehicle operator may notice the speedometer moving along with the cruise control icon being illuminated.**

**9.** Exit the vehicle.

**WARNING: Failure to exit the vehicle after initiating the procedure will result in exposure to dangerously high temperatures and could result in exposure to elevated concentrations of exhaust gases.**

**NOTE: This procedure may last up to 2 hours. This largely depends on exterior and interior ambient temperature, initial engine temperature, and vehicle configurations such as partitions between the rows and rear climate.**

**10.** The vehicle exterior lighting flashes in various patterns that indicate the different states of the procedure.

(1). When the procedure is running, the hazards flash once indicating the procedure is in process.

(2). When the procedure has ended, the reverse lights flash indicating the procedure has stopped.

(3). A double hazard flash means the procedure successfully completed.

(4). A triple hazard flash means the procedure aborted.

**WARNING: Make sure to exercise caution when entering the vehicle after this procedure has been performed. Interior surfaces will be hot.**

**11.** After the procedure has completed, open the doors and windows to allow for a minimum of 5 minutes cooling time before entering the vehicle.

**12.** Turn the climate control system on and set it to A/C to assist with further cooldown.

**13.** After the vehicle has cooled, remove any temporary partitions installed for this procedure. Return any items removed from the vehicle.

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