



*Technical Service  
Information Bulletin  
9/5/23*

**Subject:**  
**Overbraking issues on Ford Escape  
Hybrids** when utilizing a supplemental  
braking system

TSIB number 159

# IMPORTANT

**Before installing a supplemental braking system, read the following information:**

Late model Ford Escape Hybrids have 'active' brakes. Vehicles with active braking systems are designed so that even when the engine is off, the braking system is still active, thus requiring minimal pressure to engage the brakes. This vehicle WILL overbrake.

The following vehicles are impacted by this bulletin:

- '23 and later Escape Hybrid Platinum
- '23 and later Escape Hybrid ST Line
- '23 and later Escape Plug-In Hybrid

Roadmaster offers two braking systems that, when properly set up, will work for these vehicles –

- Any **BrakeMaster** with a **Brake Pressure Reducer (pn 900002, sold separately)** – set the pressure to 20 psi to prevent overbraking.
- **InvisiBrake** – set the pressure to 40 psi to prevent overbraking.

When ready to tow, the owner should do the following –

- 1) Place the vehicle in **Tow Mode**.
- 2) Once in **Tow Mode**, you must wait approximately ten minutes for it to enter **Sleep Mode**, regardless of which braking system you use.

## **WARNING**

**Wait for the vehicle to enter Sleep Mode EACH TIME before towing. Failure to follow these above steps may result in severe, non-warranty damage to the towed vehicle's brakes.**

***Installers – Provide this document to your customer upon completion of the installation.***

*Note: This bulletin specifically addresses Ford Escape Hybrids but other vehicles may also have this type of system. This bulletin will be updated to include them as they are identified; however, Roadmaster cannot guarantee to immediately identify all vehicles with overbraking tendencies.*