



# TECHNICAL SERVICE BULLETIN

## HF45 Transmission - Rattle Noise On Cold Start - Built On Or Before 01-Apr-2021

**21-2129**  
26 April 2021

### Model:

<b>Ford</b> 2020-2021 Escape	Transmission/Transaxle: (H4F45)
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**Issue:** Some 2020-2021 Escape vehicles equipped with a HF45 transmission may exhibit a rattle noise on cold start up only when the engine is running. This noise may be more prevalent in cold weather conditions, typically at or below 0°C (32°F). This may be due to the software in the secondary on-board diagnostic control module C (SOBDMC). To correct this condition, follow the Service Procedure steps to reprogram the SOBDMC.

**Action:** Follow the Service Procedure steps to correct the condition on vehicles that meet all of the following criteria:

- 2020-2021 Escape
- Built on or before 01-Apr-2021
- Rattle noise on cold start up only when the engine is running

**Warranty Status:** Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

### Labor Times

Description	Operation No.	Time
2020-2021 Escape HF45 Transmission: Reprogram The Appropriate Modules As Required By The Software Update And Service Procedure (Do Not Use With Any Other Labor Operations)	MT212129	Actual Time

### Repair/Claim Coding

Causal Part:	RECAL
Condition Code:	04

### Service Procedure

1. Reprogram the PCM using the latest software level of the appropriate Ford diagnostic scan tool.
2. Check the availability for software updates on the following modules (if equipped) and update as required:
  - (1). Secondary on-board diagnostic control module (SOBDM)

- (2). Battery energy control module (BECM)
- (3). Secondary on-board diagnostic control module B (SOBDMB)
- (4). Secondary on-board diagnostic control module C (SOBDMC)
- (5). Anti-lock brake system (ABS) module

**NOTE: Only one module may be updated at a time.**

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.