



# TECHNICAL SERVICE BULLETIN

## 2020-2022 Escape - HF45 Transmission - Rattle Noise On Cold Start

**25-2073**

18 March  
2025

This bulletin supersedes 22-2061. Reason for update: Revised Part List

**Model:**

<b>Ford</b> 2020-2022 Escape	Transmission/Transaxle: H4F45
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**Markets:** North American markets only

**Issue:** Some of the vehicles listed in the Model statement above 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 SOBDMC and on some vehicles also from the flywheel damper assembly.

**Action:** For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to reprogram the SOBDMC and if necessary replace the flywheel damper assembly.

**Parts**

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
NZ6Z-7550-B	1	1	1	Flywheel Damper
W719192-S439	2	1	4	Frame Bolts
LX6Z-4B496-A	6	2	3	Driveshaft Bolts
W500721-S439	2	1	6	Rear Frame Bolts
W713199-S442	4	1	4	Frame Bracket Bolts, M10x20mm
W500727-S439	6	2	4	Front Frame Bolts
W716603-S442	4	1	4	Front Subframe Support Bracket Bolts, M8x59mm
W720388-S439	3	1	4	Rear Frame Bracket Bolt
W719813-S440	2	1	4	Sway Bar Nut
W500566-S439	1	1	1	Restrictor Bracket Mount Bolt, M14x80mm
W520515-S442	2	1	4	Ball Joint Nut
W719924-S439	2	1	4	Ball Joint Pinch Bolt
W520203-S440	2	1	4	Tie Rod Nut
CCPZ-3B477-G	2	2	1	Axle Nut
W718843-S439	1	1	4	Steering Shaft Bolt
JX6Z-3D677-C	1	1	1	Steering Rack Seal
JX6Z-3B498-B	1	1	1	Axle Circlip
W520102-S442	2	1	4	Right Axle Strap Nut
YS4Z-3N324-AA	1	1	1	Right Axle Strap
LX6Z-5A215-A	1	1	1	Exhaust Clamp
W708176-S437	7	2	4	Exhaust Manifold Nuts
LX6Z-9448-A	1	1	1	Exhaust Manifold Gasket
LX6Z-9E464-F	1	1	1	Lower EGR Tube Gasket

LX6Z- 9E464-B	1	1	1	Upper EGR Tube Gasket
JM5Z-1S177-A	2	1	1	Axle Seal
W719766-S439	5	2	4	RDU Mount Bolt
W520214-S440	3	2	2	Engine Mount Nut
DL3Z-19B596-B	1	1	1	A/C O-ring
1W1Z-19E889-HB	1	1	6	A/C Compressor O-ring
W719470-S439	1	1	4	Front Frame Mount Bolt, M14x95mm
XT-12-QULV	As Needed	As Needed		Motorcraft® MERCON® ULV Automatic Transmission Fluid
VC-13DL-G	As Needed	As Needed		Motorcraft® Yellow Prediluted Antifreeze/Coolant (All Markets Except Canada)
CVC- 13DL-G	As Needed	As Needed		Motorcraft® Yellow Prediluted Antifreeze/Coolant (Canada Only)
YN-33-A	As Needed	As Needed		R-1234yf Refrigerant (All Markets Except Canada)
HS7Z-19B519-BA	As Needed	As Needed		R-1234yf Refrigerant (Canada Only)

#### Parts - All-Wheel Drive Only

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
K2GZ-7086-A	1	1	1	Link Shaft Seal
BB5Z-4B422-C	1	1	1	Axle Retainer Clip
K2GZ-7275-B	1	1	1	Right Axle Circlip Kit
K2GZ-7H469-D	1	1	1	PTU Seal Kit
W719766-S439	5	2	4	PTU Mount Bolt
JM5Z-7H260-A	1	1	1	Axle Seal
W719767-S439	2	1	4	Intermediate Axle Shaft Bolt

#### Parts - Parts To Inspect And Replace Only If Necessary

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
W702413-S450B	Only If Necessary (1 Possible)	Only If Necessary (1 Possible)	4	Underbody Cover Screw
W711712-S300	Only If Necessary (1 Possible)	Only If Necessary (1 Possible)	4	Push Clip
W717422-S439	Only If Necessary (1 Possible)	Only If Necessary (1 Possible)	4	Underbody Cover Nut
W701350-S437	Only If Necessary (1 Possible)	Only If Necessary (1 Possible)	4	Dowel Pin
W500623-S437	Only If Necessary (6 Possible)	Only If Necessary (2 Possible)	4	Damper Bolt, M8x20mm

Service part numbers and "number in package" quantity may change after publication, thus also affecting the "package order quantity". Refer to the parts catalog for the latest information.

**Claim Quantity** refers to the total number of individual pieces required to repair the vehicle.

**Package Order Quantity** refers to the amount of the service part number package(s) required to repair the vehicle.

**Number In Package** refers to the number of individual pieces included in a service part number package.

**As Needed** indicates the part is necessary but amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

**Only If Necessary** indicates the part is not mandatory. Refer to the Service Procedure to determine the inspection/inclusion criteria.

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

## Labor Times

Description	Operation No.	Time
2020-2022 Escape HF45: Reprogram The PCM, SOBDM, BECM, SOBDMB, SOBDMC And ABS Modules As Required By The Software Update And Service Procedure (Can Be Claimed With Operation B, C And D) (Do Not Use With Any Other Labor Operations Outside Of This Article)	252073A	1.1 Hrs.
2020-2022 Escape FWD HF45: Replace The Flywheel Damper Assembly (Can Be Claimed With Operation A And D)	252073B	11.0 Hrs.
2020-2022 Escape AWD HF45: Replace The Flywheel Damper Assembly (Can Be Claimed With Operation A And D)	252073C	11.8 Hrs.
2020-2022 Escape FWD/AWD HF45: Additional Time To Check And Adjust Front Toe (Can Be Claimed With Operation B Or C)	252073D	0.6 Hrs.

## Repair/Claim Coding

Causal Part:	7550
Condition Code:	42

## Service Procedure

1. Reprogram the PCM using the latest software level of the FDRS scan tool.
2. Check the availability for software updates on the following modules (if equipped) and update as required:
  - (1). SOBDM
  - (2). BECM
  - (3). SOBDMB
  - (4). SOBDMC
  - (5). ABS module

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

3. Did the software update correct the condition?
  - (1). Yes - repair is complete.
  - (2). No - proceed to Step 4.
4. Replace the flywheel damper assembly. Refer to WSM, Section 303-01C.

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