



# TECHNICAL SERVICE BULLETIN

## All Wheel Drive (AWD) - Right Side Transfer Case Fluid Leak

**19-2017**  
04 February  
2019

This bulletin supersedes 18-2255. Reason for update: New Part/Procedure For Same Condition

### Model:

<b>Ford</b> 2013-2018 Escape	Engine: 1.5L/1.6L/2.0L EcoBoost
2013-2018 Fusion	Engine: 2.0L/2.7L EcoBoost
2015-2018 Edge	Engine: 2.0L/2.7L EcoBoost
2016-2018 Explorer	Engine: 2.3L EcoBoost
2016-2018 Focus RS	Engine: 2.3L EcoBoost
<b>Lincoln</b> 2013-2018 MKZ	Engine: 2.0L/3.0L EcoBoost
2015-2018 MKC	Engine: 2.0L/2.3L EcoBoost
2016-2018 MKX	Engine: 2.0L/2.7L EcoBoost
2017-2018 Continental	Engine: 2.7L/3.0L EcoBoost

### Summary

This article supersedes TSB 18-2255 to update the Parts List.

**Issue:** Some all-wheel drive (AWD) 2013-2018 Escape vehicles equipped with 1.5L/1.6L/2.0L EcoBoost/Fusion vehicles equipped with 2.0L/2.7L EcoBoost/MKZ vehicles equipped with 2.0L EcoBoost, 2017-18 MKZ vehicles equipped with 3.0L EcoBoost, 2015-2018 MKC vehicles equipped with 2.0L/2.3L EcoBoost/Edge vehicles equipped with 2.0L/2.7L EcoBoost, 2016-2018 MKX vehicles equipped with 2.0L and 2.7L EcoBoost/Explorer vehicles equipped with 2.3L EcoBoost/Focus RS equipped with 2.3L EcoBoost, and 2017-2018 Continental vehicles equipped with 2.7L/3.0L EcoBoost may exhibit a dark black fluid leak from the right side transfer case intermediate shaft seal.

**Action:** Follow the Service Procedure steps to correct the condition.

### Parts

Part Number	Description	Quantity
W716075-S442	Lower Ball Joint Bolt (Escape/MKC)	1
W500545-S439	Lower Ball Joint Bolt (Fusion/MKZ/MKX/Continental/Edge)	1
W707209-S442	Lower Ball Joint Bolt (Focus RS)	1
W520415-S442	Lower Ball Joint Nut (Escape/MKC/Focus RS)	1
W520214-S442	Lower Ball Joint Nut (Fusion/MKZ/MKX/Continental/Edge)	1
W714890-S440	Ball Joint Nut (Explorer)	1
W520214-S440	Ball Joint Nut (Fusion/Edge)	1
W520215-S440	Tie Rod Nut (Explorer/Edge/Continental)	1
W520102-S442	Halfshaft Retainer Strap Nuts (Escape/MKC/Fusion/MKZ/Continental/Focus RS/Edge)	2
W701731-S439	Bearing Strap Nut (Explorer/Edge/MKX)	2
CCPZ-3B477-C	Front Halfshaft Nut (Fusion/MKZ)	1
W712435-S439	Front Halfshaft Nut (Explorer)	1
CCPZ-3B477-B	Front Halfshaft Nut (Edge/MKX/Continental)	1

AV6Z-3B477-A	Front Halfshaft Nut (Focus RS)	1
CCPZ-3B477-G	Front Halfshaft Nut (Escape/MKC)	1
DG9Z-7G273-B	Front Halfshaft Thrust Washer (Fusion/MKZ)	1
4S4Z 3N324-AA	Front Halfshaft Bearing Retainer (Fusion/MKZ/Continental)	1
YS4Z-3N324-AA	Front Halfshaft Bearing Retainer (Escape/MKC/Edge)	1
W713640-S437	Axle Shaft Retainer (Fusion/MKZ)	1
CN1Z-7H424-B	Right Side Intermediate Shaft Seal (All Models)	1
F2GZ-63600A58-A	PTU Bushing (All Models)	1
XY75W140QL	Motorcraft® SAE 75W-140 Synthetic Rear Axle Lubricant (All Models)	1

**Warranty Status:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

### Labor Times

Description	Operation No.	Time
2015-2018 MKC/2013-2018 Escape, Inspect And Replace The Intermediate Shaft Seal Includes Time To Inspect Bushing (Do Not Use With Any Other Labor Operations Except J)	192017A	1.6 Hrs.
2017-2018 Continental, Inspect And Replace The Intermediate Shaft Seal Includes Time To Inspect Bushing (Do Not Use With Any Other Labor Operations Except J)	192017B	1.6 Hrs.
2015-2018 Edge/2016-2018 MKX 2.7L GTDI, Inspect And Replace The Intermediate Shaft Seal Includes Time To Inspect Bushing (Do Not Use With Any Other Labor Operations Except J)	192017C	1.4 Hrs.
2013-2018 Fusion/MKZ 2.0L GTDI, Inspect And Replace The Intermediate Shaft Seal Includes Time To Inspect Bushing (Do Not Use With Any Other Labor Operations Except J)	192017D	1.6 Hrs.
2017-2018 Fusion 2.7L GTDI/MKZ 3.0L GTDI, Inspect And Replace The Intermediate Shaft Seal Includes Time To Inspect Bushing (Do Not Use With Any Other Labor Operations Except J)	192017E	1.4 Hrs.
2015-2018 Edge/2016-2018 MKX 2.0L GTDI, Inspect And Replace The Intermediate Shaft Seal Includes Time To Inspect Bushing (Do Not Use With Any Other Labor Operations Except J)	192017F	1.6 Hrs.
2016-2018 Explorer 2.3L GTDI, Inspect And Replace The Intermediate Shaft Seal Includes Time To Inspect Bushing (Do Not Use With Any Other Labor Operations Except J)	192017G	1.6 Hrs.
2016-2018 Focus RS, Inspect And Replace The Intermediate Shaft Seal Includes Time To Inspect Bushing (Do Not Use With Any Other Labor Operations Except J)	192017H	1.0 Hrs.
All Vehicles: Additional Time To Be Claimed When Intermediate Shaft Bushing Replacement Is Necessary	192017J	0.2 Hrs.

### Repair/Claim Coding

Causal Part:	7H424
Condition Code:	D8

### Tool List

Drive	Tool Name
1/4"	Cordless Impact
1/4"	Torque Wrench
1/4"	Torx® T27
1/4"	7 mm Socket
1/4"	8 mm Socket
1/4"	8 mm Allen Socket
3/8"	Air Impact

Drive	Tool Name
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	6" Extension
3/8"	10 mm Deep Socket
3/8"	13 mm Deep Socket
3/8"	15 mm Deep Socket
3/8"	18 mm Deep Socket
3/8"	21 mm Crows Foot Socket
1/2"	Air Impact
1/2"	Torque Wrench
1/2"	19 mm Deep Socket
1/2"	32 mm Deep Socket
	10 mm Box End Wrench
	21 mm Ratcheting Wrench
	Pry Bar
	Hose Clamp Pliers
	Drain Pan
	Dent Puller
	Slide Hammer

## Service Procedure

1. Inspect the intermediate shaft seal for leakage. Is the intermediate shaft seal leaking? (Figure 1)

- (1). Yes - replace the intermediate shaft seal. Refer to Workshop Manual (WSM), Section 308-07. It is not necessary to remove the power transfer unit (PTU) to replace the seal.
- (2). No - this article does not apply. Refer to WSM, Section 308-07 for normal diagnostics.



© 2019 Ford Motor Company

All rights reserved.

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.