



TECHNICAL SERVICE BULLETIN

1.6L EcoBoost – Illuminated MIL And/Or Transmission Malfunction Service Now Warning With Only DTCs P0741 And/Or P1744

**19-
2100**
11 April
2019

Model:

Ford 2013-2015 Escape

Issue: Some 2013-2015 Escape vehicles equipped with a 1.6L EcoBoost engine may exhibit an illuminated malfunction indicator lamp (MIL) and/or a transmission malfunction service now warning with only diagnostic trouble codes (DTCs) P0741 and/or P1744 stored in the powertrain control module (PCM). This may be due to internal damage to the torque converter. To resolve the condition, repair or replace the affected internal transmission components as directed by the Service Procedure.

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

- 2013-2015 Escape
- 1.6L EcoBoost engine
- The only DTCs stored in the PCM are P0741 and/or P1744

Parts

Part Number	Description	Quantity
CV6Z-7902-G	Torque Converter	1
W715618-S437	Torque Converter Nuts	4
BB5Z-1S177-C	Converter Side Halfshaft Seal, 2-Wheel Drive (2WD)	1
9L8Z-1177-C	Converter Side Halfshaft Seal, 4-Wheel Drive (4WD)	1
9L8Z-1177-G	Case Side Halfshaft Seal	1
9L8Z-7A248-B	Fluid Pump To Housing Seals-Small	4
9L8Z-7A248-C	Fluid Pump To Housing Seals-Large	1
9L8Z-7A103-J	Transmission Fluid Pump Assembly	1
9L8Z-7A248-A	Pump Assembly to Converter Housing Seal	1
9L8Z-7048-A	Transmission Input Shaft Seal	1
9L8Z-7A248-F	Converter Hub Seal	1
DV6Z-7Z490-A	Separator Plate, Main Control To Case	1
DV6Z-7Z490-B	Separator Plate, Solenoid Module To Main Control	1
CV6Z-7G383-B	Line Pressure Control Solenoid Band 1	1
CV6Z-7G383-C	Line Pressure Control Solenoid Band 2	1
CV6Z-7G383-D	Line Pressure Control Solenoid Band 3	1
CV6Z-7G383-E	Line Pressure Control Solenoid Band 4	1
CV6Z-7G383-F	Line Pressure Control Solenoid Band 5	1

CV6Z-7G136-B	Torque Converter Clutch Solenoid Band 1	1
CV6Z-7G136-C	Torque Converter Clutch Solenoid Band 2	1
CV6Z-7G136-D	Torque Converter Clutch Solenoid Band 3	1
CV6Z-7G136-E	Torque Converter Clutch Solenoid Band 4	1
CV6Z-7G136-F	Torque Converter Clutch Solenoid Band 5	1
BL8Z-7G199-A	Tube Assembly	2
CV6Z-7A100-B	Transmission Main Control Assembly	1
CV6Z-7G391-A	Solenoid Body	1
CCPZ-3B477-G	Wheel Hub Nut	1
YS4Z-3N324-AA	Halfshaft Bearing Retainer	1
W520102-S442	Halfshaft Bearing Retainer Nuts	2
AE5Z-4B422-A	Halfshaft Retaining Circlip	1
W716075-S442	Ball Joint Pinch Bolts	2
W520415-S442	Ball Joint Pinch Bolt Nuts	2
W520203-S442	Tie Rod End Nuts	2
5F9Z-4682-AA	Driveshaft Bolts	12
W712146-S437	Cooler Line Bolts	2
BB5Z-7A098-E	Transmission Filter	1
BE8Z-6731-AB	Engine Oil Filter	1
XT-10-QLV	Transmission Fluid (All Markets Except Canada)	12
CXT-10-LV6	Transmission Fluid (Canada Only)	12
XO-5W20-Q1SP	Engine Oil (All Markets Except Canada)	1
CXO-5W20-LSP6	Engine Oil (Canada Only)	1

Warranty Status: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions 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
2013-2015 Escape 4X2 1.6L: Check DTCs, Remove The Transmission, Remove And Disassemble The Front Pump And Solenoid Body To Inspect, Overhaul And Re-Use Solenoid Body, Includes Time To Replace The LPC And TCC Solenoids (Do Not Use With Any Other Labor Operations)	192100A	9.3 Hrs.
2013-2015 Escape 4X2 1.6L: Check DTCs, Remove The Transmission, Remove And Disassemble The Front Pump And Solenoid Body To Inspect, Includes Time To Replace The Solenoid Body, And Perform An Adaptive Drive Cycle (Do Not Use With Any Other Labor Operations)	192100B	9.5 Hrs.
2013-2015 Escape 4X4 1.6L: Check DTCs, Remove The Transmission, Remove And Disassemble The Front Pump And Solenoid Body To Inspect, Overhaul And Re-Use Solenoid Body, Includes Time To Replace The LPC And TCC Solenoids (Do Not Use With Any Other Labor Operations)	192100C	10.3 Hrs.
	192100D	

2013-2015 Escape 4X4 1.6L: Check DTCs, Remove The Transmission, Remove And Disassemble The Front Pump And Solenoid Body To Inspect, Includes Time To Replace The Solenoid Body, And Perform An Adaptive Drive Cycle (Do Not Use With Any Other Labor Operations)	10.6 Hrs.
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Repair/Claim Coding

Causal Part:	7902
Condition Code:	42

Service Procedure

1. Remove the transmission. Refer to Workshop Manual (WSM), Section 307-01.
2. Remove and discard the torque converter.
3. Remove the transmission fluid pump assembly for inspection. Remove and discard the fluid filter. Follow the transmission fluid pump assembly inspection procedure. Refer to WSM, Section 307-01 > Overhaul > Transmission > Steps 126-133. Does the transmission fluid pump assembly pass inspection criteria?
 - (1). Yes - proceed to Step 4.
 - (2). No - replace the transmission fluid pump assembly. Proceed to Step 4.
4. Remove the main control and solenoid body assembly. Refer to WSM, Section 307-01.
5. Separate the main control from the solenoid body.
6. Overhaul the solenoid body assembly. Refer to WSM, Section 307-01. Do all the valves move freely?
 - (1). Yes - proceed to Step 7.
 - (2). No - replace the solenoid body. Proceed to Step 8.
7. Replace the line pressure control (LPC) solenoid (high variable bleed) and the torque converter clutch (TCC) solenoid (low variable bleed). Refer to WSM, Section 307-01.
8. Replace the main control.
9. Reassemble the transmission with a new torque converter and fluid filter. Refer to WSM, Section 307-01.
10. Reinstall the transmission. Refer to WSM, Section 307-01.

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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.