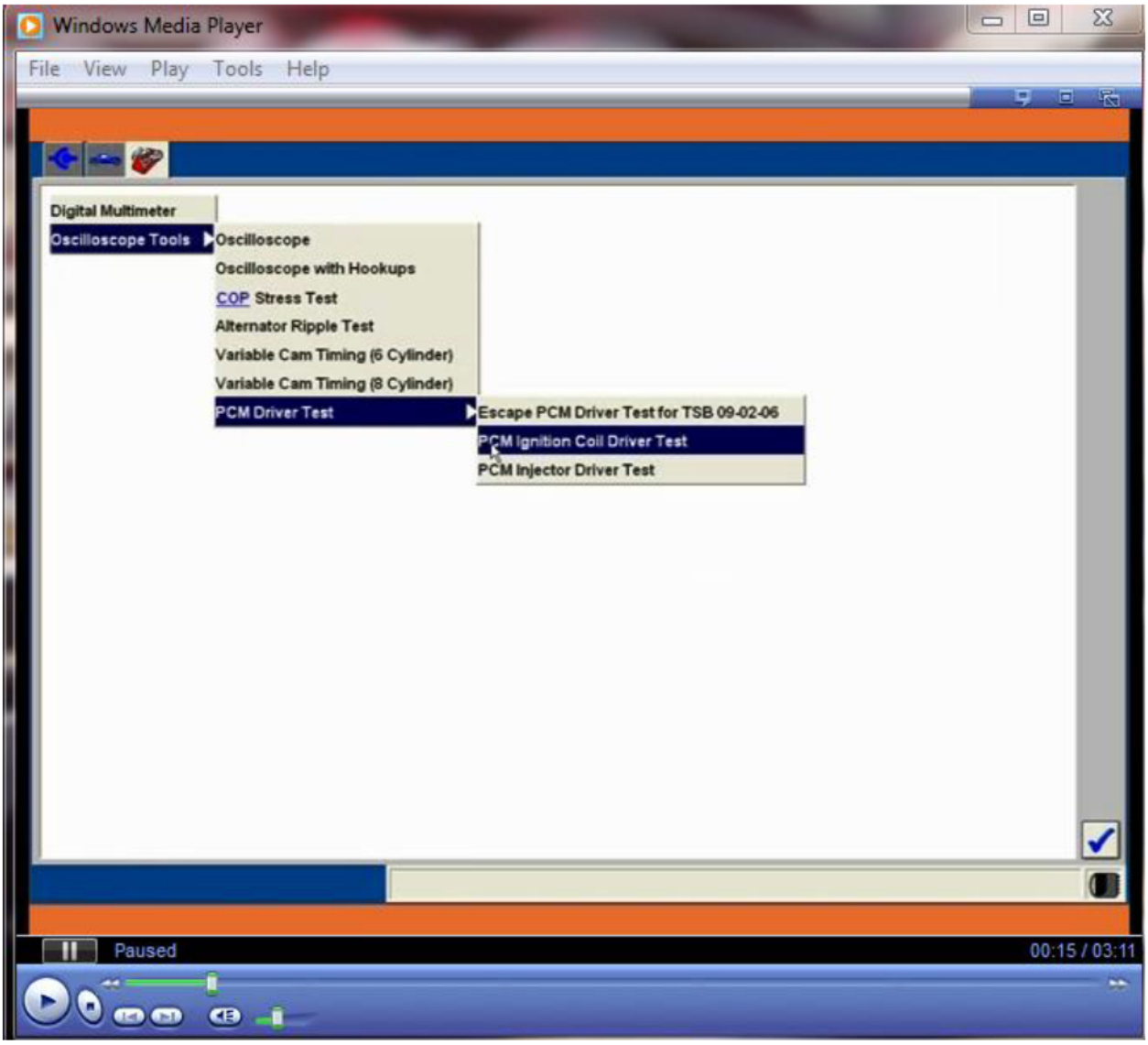
INFORMATION REDACTED PURSUANT TOTHE FREEDOM
OF INFORMATION ACT (FOIA), 5 U.S.C.552(B)(6)

General Service Bulletin (GSB):	PCM Ignition Coil Driver Test (2 Wire Coil)
GSB Overview:	This video describes the steps required for completing the PCM Ignition Coil Driver Test for vehicles with 2 wire ignition coils using the IDS.
NOTE: This information is not intended to replace or supersede any warranty, parts and service policy, Work Shop Manual (WSM) procedures or technical training or wiring diagram information.	

The following video can be utilized as a tutorial whenever the diagnostic tests in the WSM or PC/ED recommend completing the PCM Ignition Coil Driver Test.

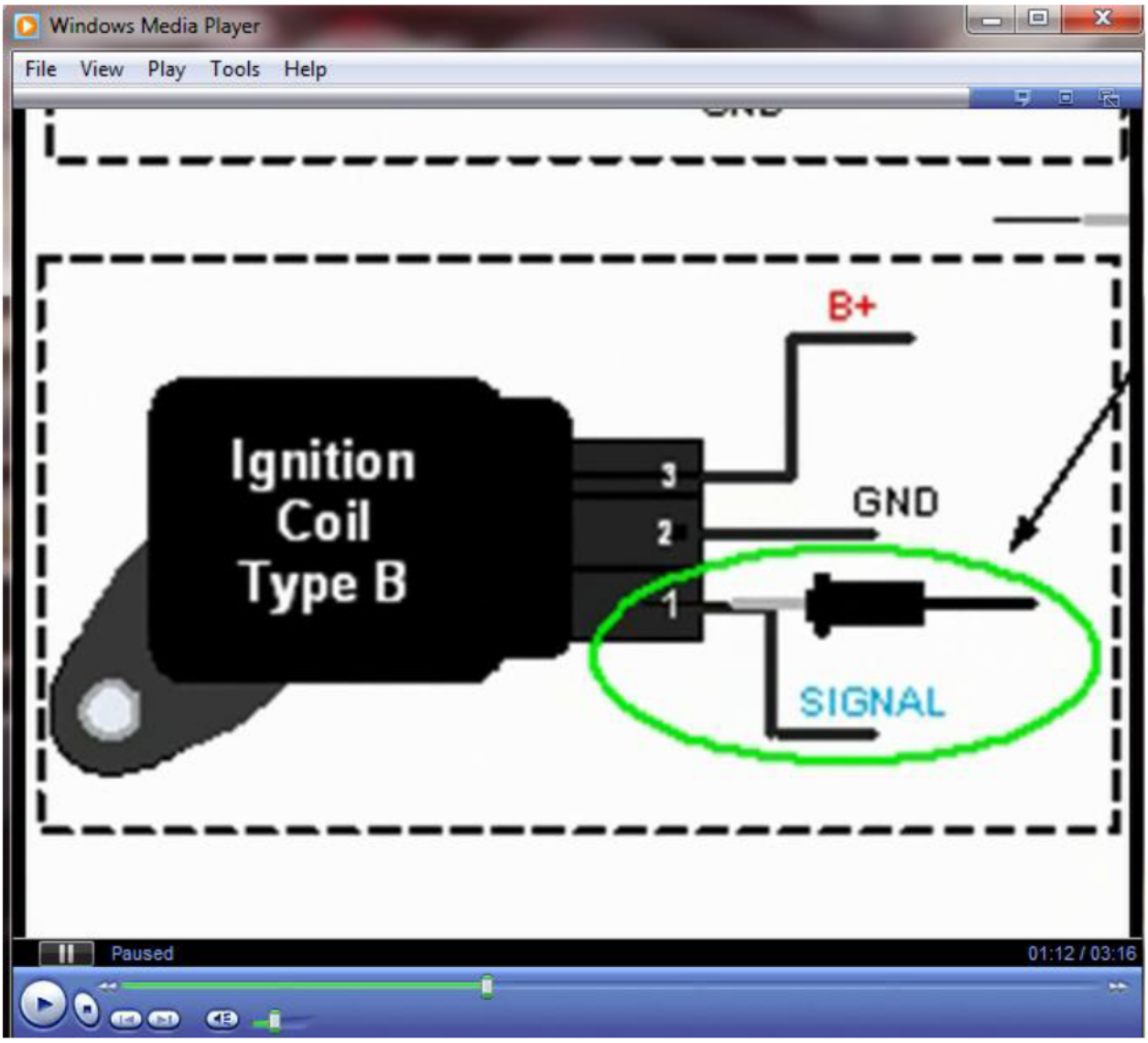
[redacted]



General Service Bulletin (GSB):	Driver On Coil Ignition Test for 3 Wire Coils
GSB Overview:	This video describes the steps required for completing the ignition test for 3 wire driver on coil ignition systems.
NOTE: This information is not intended to replace or supersede any warranty, parts and service policy, Work Shop Manual (WSM) procedures or technical training or wiring diagram information.	

The following video can be utilized as a tutorial whenever the diagnostic tests in the WSM or PC/ED recommend completing the Driver on Coil ignition test.

[redacted]



General Service Bulletin (GSB):	Coolant Pump Inspection
GSB Overview:	This General Service Bulletin details warrantable/non warrantable condition of coolant pumps
NOTE: This information is not intended to replace or supersede any warranty, parts and service policy, Work Shop Manual (WSM) procedures or technical training or wiring diagram information.	

GSB Topics Covered Include:

- Coolant pump design characteristics & features
- Normal staining example
- Leaking example
- Diagnostic leak tip

Coolant Pump Inspection
Coolant pump design characteristics

Newer Ford engines use a coolant pump with a seal that is lubricated by coolant and utilize an integral weep chamber in the pump housing.

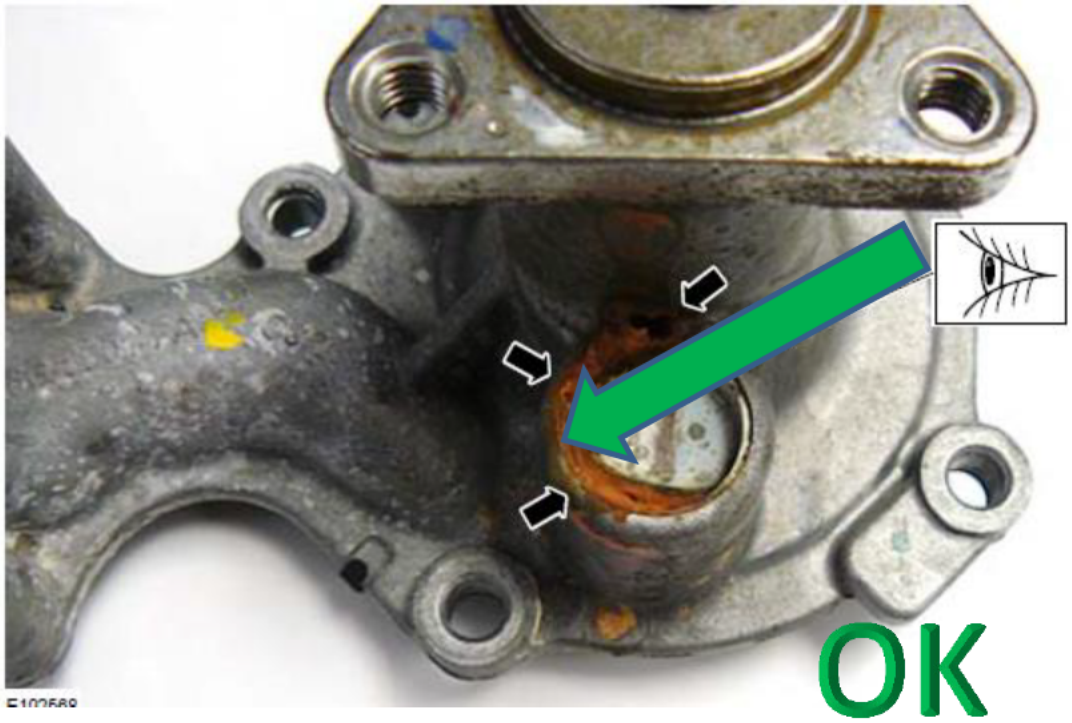
The coolant is used to lubricate the water pump seal. At this point it collects in the weep chamber, and later evaporates with normal usage.

This can sometimes result in the exterior cosmetic staining due to the vapor escaping past the vent hole and collecting on the pump housing instead of inside the weep chamber.



Coolant Pump Inspection

Signs of corrosion and or coolant staining water pump example



Staining on the pump indicates an earlier event or normal operation which does not constitute as a water pump failure. Slight staining and residual dried coolant build up around the weep chamber vent is considered normal

Coolant Pump Inspection
Leaking water pump example



Coolant pump will have wet coolant residue with an evident puddle occurring on the pump weep chamber.

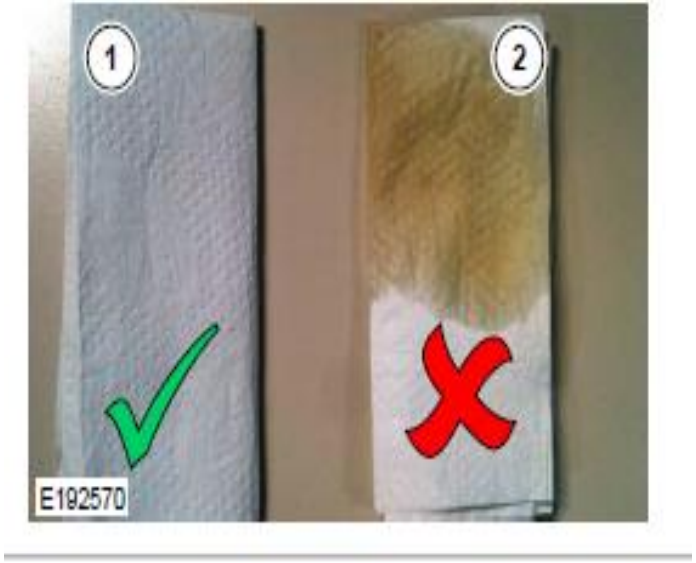
Coolant Pump Inspection

- Dry the coolant pump housing using a paper towel, then refer to Workshop Manual Section 303-03 for determination of coolant loss.
- After test, re-wipe pump with a new clean towel and examine.

Towel has only dry/waxy residue - coolant pump seal is working properly-do not replace pump

Towel is wet - coolant pump is leaking - replace coolant pump





General Service Bulletin (GSB):	Historical Powertrain Diagnostic Trouble Codes
GSB Overview:	This bulletin explains historical DTCs.
NOTE: This information is not intended to replace or supersede any warranty, parts and service policy, Work Shop Manual (WSM) procedures or technical training or wiring diagram information.	

Historical Powertrain Diagnostic Trouble Codes (DTC)

Overview and Summary





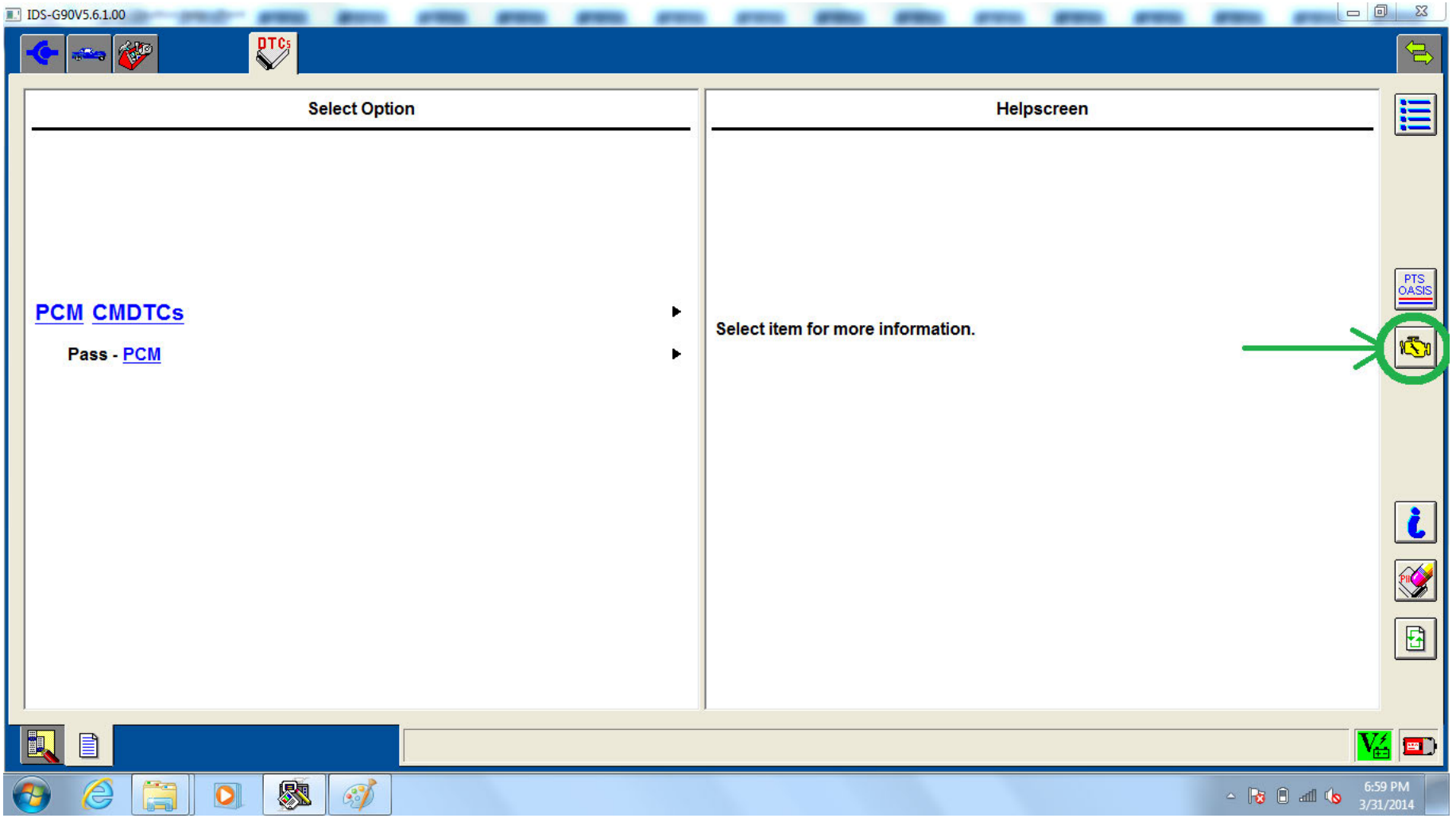


Historical DTC s

- Historical DTCs are codes that are no longer confirmed or pending, but have set at least once since the last time DTCs were cleared.
- The IDS tool does NOT allow retrieval of historical DTCs unless there are NO active codes present.
- Used along with freeze frame and snapshot data, historical DTCs are useful in diagnosing driveability or other concerns where DTC did not progress to MIL, and may have resulted in an instrument cluster warning message. They can also be useful for obtaining DTC that set the MIL earlier, but was cleared before diagnosis.
- Historical DTCs are also useful as a diagnostic tool for intermittent concerns that resulted in customer symptoms that are no longer present during diagnostics
- Historical DTCs do eventually "age out" and clear after 80 or more key cycles.
- IDS screen icon  will be present if historical DTCs are available, no active codes present, and vehicle application supported with "historical DTC" feature.

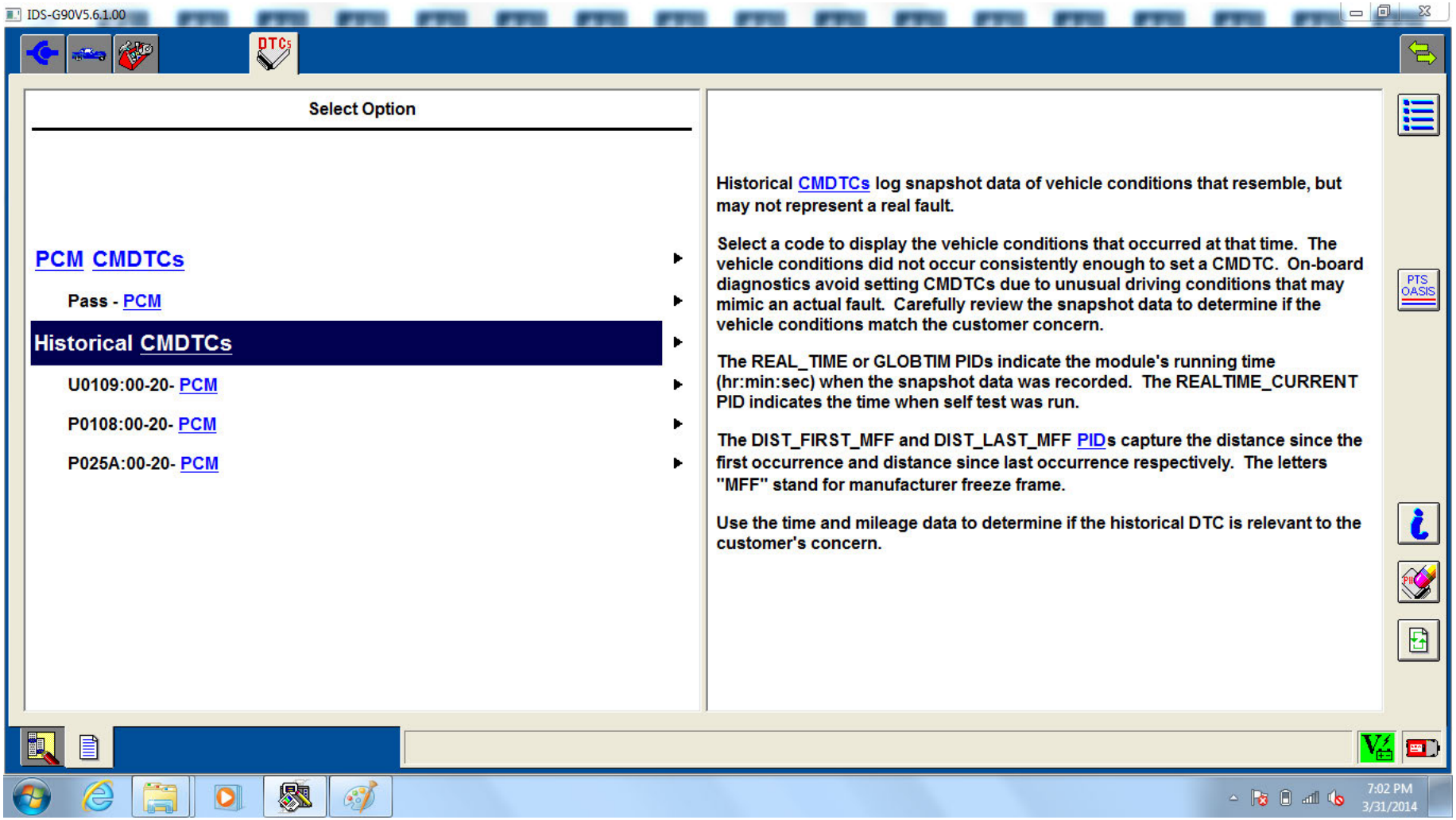
Historical Powertrain DTCs

How can historical DTCs be retrieved?



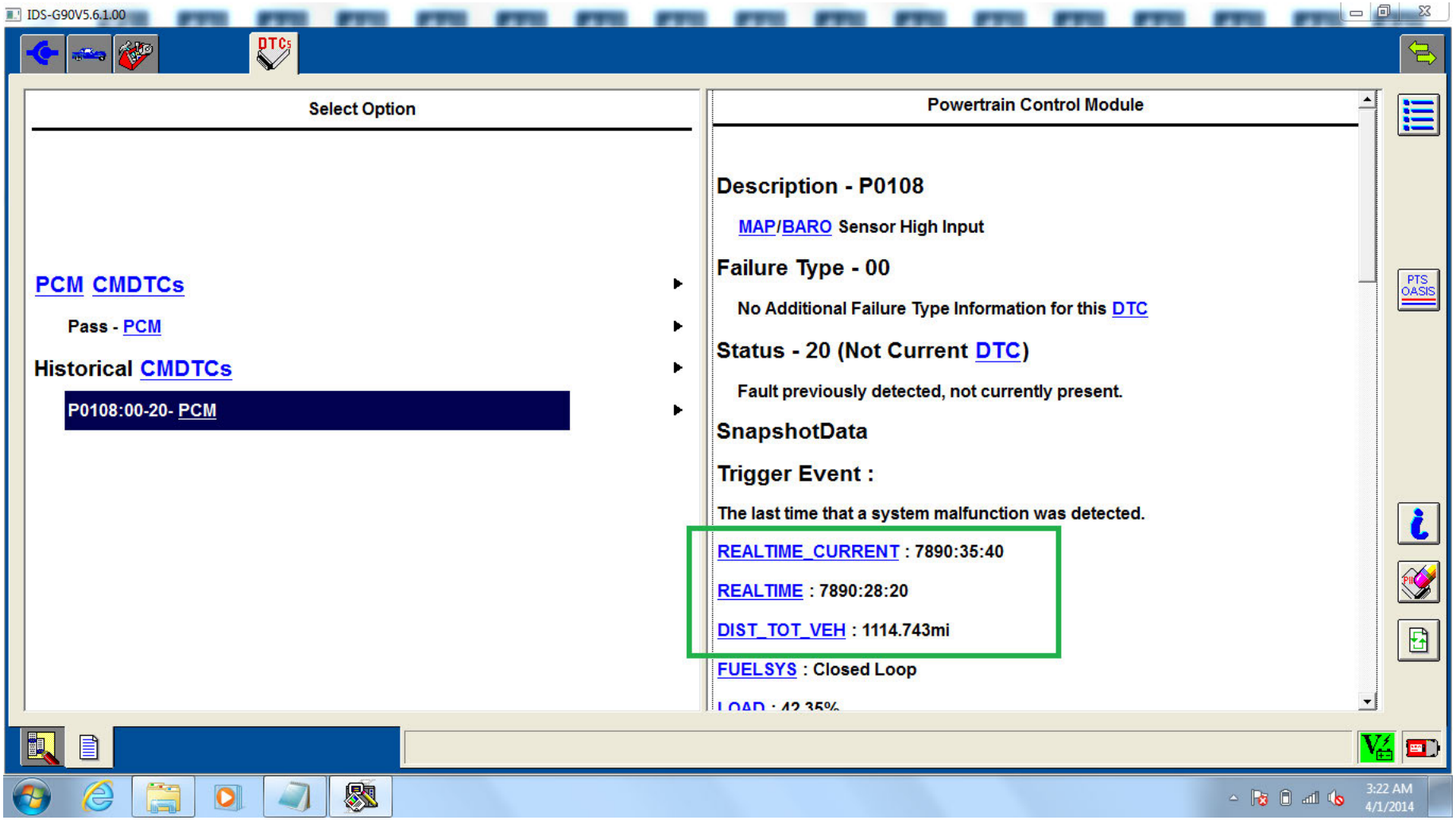
Historical Powertrain DTCs

Description of historical DTCs



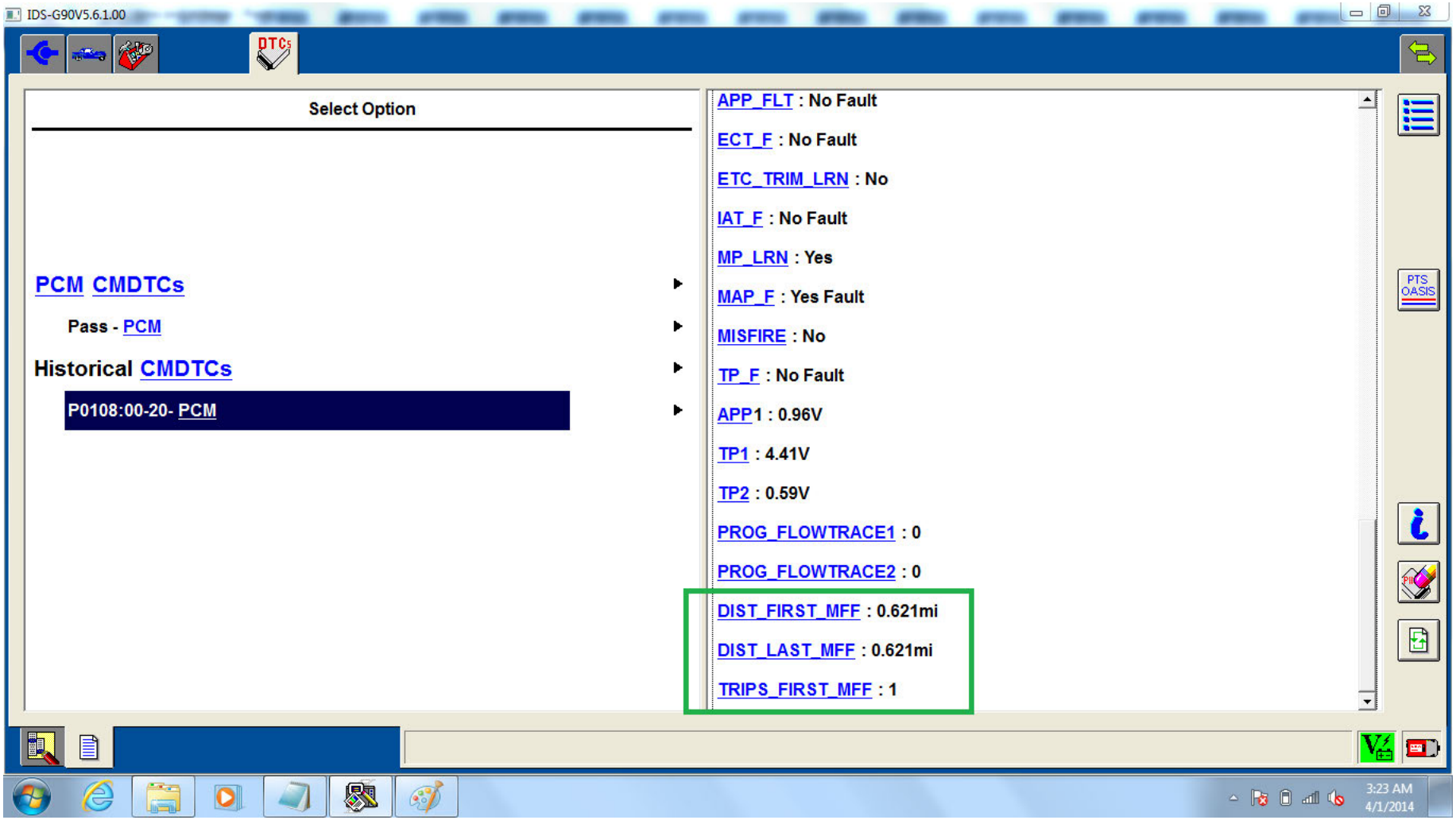
Historical Powertrain DTCs

Time and Mileage PIDs



Historical Powertrain DTCs

Distance since _____ PIDS



SSM 44707 - 2009-2015 Vehicles Exhibiting Diagnostic Trouble Code (DTC) P06B8, P068A And/OrP2610 After Powertrain Control Module Reprogramming

Some 2009-2015 Model Year vehicles may exhibit a Malfunction Indicator Lamp(MIL) On with Diagnostic Trouble Codes P06B8(Internal Control Module Non-Volatile Random Access Memory (NVRAM) Error), P068A(ECM/PCM Power Relay De-Energized - Too Early) Or P2610(ECM/PCM Engine Off Timer Performance) after Powertrain Control Module reprogramming. These DTCs can set during PCM programing if the key is not left in the off position for 30 seconds following PCM programing before clearingDTCs. If these DTCs are present following PCM reprogramming, clear the Diagnostic Trouble Codes from the PCM and retest. Do not replace the Powertrain Control Module. If any DTC reoccurs refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual to diagnose the concern. Monitor OASIS for future updates.

APPLICABLE VEHICLES
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2010 TRUCK: 00016 E-SERIES
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2010 TRUCK: 00016 E-SERIES
2009 - 2014 TRUCK: 00016 E-SERIES
2012 - 2014 TRUCK: 00176 EDGE
2009 - 2014 TRUCK: 00176 EDGE
2011 - 2014 TRUCK: 00176 EDGE
2013 - 2014 TRUCK: 00130 ESCAPE
2013 - 2014 TRUCK: 00130 ESCAPE
2009 - 2014 TRUCK: 00130 ESCAPE
2009 - 2012 TRUCK: 00130 ESCAPE
2009 - 2012 TRUCK: 00130 ESCAPE
2009 - 2014 TRUCK: 00026 EXPEDITION
2009 - 2010 TRUCK: 00110 EXPLORER
2009 - 2010 TRUCK: 00110 EXPLORER
2011 - 2015 TRUCK: 00134 EXPLORER 4DR
2011 - 2015 TRUCK: 00134 EXPLORER 4DR
2013 - 2015 TRUCK: 00134 EXPLORER 4DR
2013 - 2015 TRUCK: 00134 EXPLORER 4DR
2009 - 2010 TRUCK: 00134 EXPLORER 4DR
2009 - 2010 TRUCK: 00134 EXPLORER 4DR
2011 - 2014 TRUCK: 00029 F-SERIES LD
2011 - 2014 TRUCK: 00029 F-SERIES LD
2009 - 2010 TRUCK: 00029 F-SERIES LD
2009 - 2010 TRUCK: 00029 F-SERIES LD
2011 - 2014 TRUCK: 00029 F-SERIES LD
2009 - 2010 TRUCK: 00029 F-SERIES LD
2010 - 2014 TRUCK: 00029 F-SERIES LD
2009 - 2010 TRUCK: 00028 F-SERIES
2011 - 2015 TRUCK: 00028 F-SERIES
2009 - 2010 TRUCK: 00028 F-SERIES
2011 - 2015 TRUCK: 00028 F-SERIES
2009 - 2010 TRUCK: 00028 F-SERIES
2009 - 2010 TRUCK: 00028 F-SERIES
2009 TRUCK: 00028 F-SERIES
2011 - 2015 TRUCK: 00028 F-SERIES
2009 - 2010 TRUCK: 00028 F-SERIES
2011 - 2015 TRUCK: 00028 F-SERIES
2009 - 2010 TRUCK: 00028 F-SERIES
2009 - 2010 TRUCK: 00028 F-SERIES
2011 - 2015 TRUCK: 00028 F-SERIES
2009 - 2015 TRUCK: 00028 F-SERIES
2009 TRUCK: 00028 F-SERIES
2009 TRUCK: 00175 F-SERIES MOTORHOME/COMMERCIAL
2011 - 2014 TRUCK: 00175 F-SERIES MOTORHOME/COMMERCIAL
2009 - 2010 TRUCK: 00028 F-SERIES
2011 - 2015 TRUCK: 00028 F-SERIES
2009 - 2015 TRUCK: 00028 F-SERIES
2009 TRUCK: 00028 F-SERIES
2013 - 2014 TRUCK: 00189 FLEX
2010 - 2014 TRUCK: 00189 FLEX
2009 - 2012 TRUCK: 00189 FLEX
2009 - 2011 TRUCK: 00163 MARINER
2009 - 2011 TRUCK: 00163 MARINER
2009 - 2011 TRUCK: 00163 MARINER
2015 TRUCK: 00212 MKC
2015 TRUCK: 00212 MKC
2015 TRUCK: 00212 MKC
2013 - 2014 TRUCK: 00194 MKT
2010 - 2014 TRUCK: 00194 MKT
2010 - 2012 TRUCK: 00194 MKT
2013 - 2014 TRUCK: 00194 MKT
2009 - 2010 TRUCK: 00177 MKX
2011 - 2014 TRUCK: 00177 MKX
2009 - 2010 TRUCK: 00070 MOUNTAINEER
2009 - 2010 TRUCK: 00070 MOUNTAINEER
2009 - 2014 TRUCK: 00106 NAVIGATOR
2009 - 2011 TRUCK: 00081 RANGER
2009 - 2011 TRUCK: 00081 RANGER
2009 TRUCK: 00185 TAURUS X
2010 - 2013 TRUCK: 00153 TRANSIT CONNECT
2011 - 2013 TRUCK: 00153 TRANSIT CONNECT
2015 TRUCK: 00213 TRANSIT
2015 TRUCK: 00213 TRANSIT
2015 TRUCK: 00213 TRANSIT
2013 - 2015 CAR: CG C344N C-MAX
2012 - 2015 CAR: DH C346N FOCUS
2015 TRUCK: ME C489N MKC
2013 - 2015 TRUCK: M2 C520N ESCAPE
2015 CAR: DQ CD539N EDGE
2009 - 2015 TRUCK: E4 ECONOLINE
2009 - 2012 TRUCK: M7 ESCAPE/TRIBUTE/MARINER-LHD
2009 - 2011 TRUCK: M7 ESCAPE/TRIBUTE/MARINER-LHD
2009 - 2015 TRUCK: B7 U222N EXPEDITION
2009 TRUCK: B7 U222N EXPEDITION
2011 - 2015 TRUCK: UB U502N EXPLORER
2009 - 2011 TRUCK: UK EXPLORER SPORT TRAC
2009 - 2011 TRUCK: U5 EXPLORER/MOUNTAINEER
2009 - 2010 TRUCK: U5 EXPLORER/MOUNTAINEER
2009 - 2014 TRUCK: F6 F150/LINCOLN MARK LT
2009 - 2014 TRUCK: F6 F150/LINCOLN MARK LT
2010 - 2014 TRUCK: F6 F150/LINCOLN MARK LT
2009 CAR: PG FIVE HUNDRED/MONTEGO/TAURUS/SA
2009 CAR: PG FIVE HUNDRED/MONTEGO/TAURUS/SA
2009 - 2014 TRUCK: P3 D471N FLEX
2009 - 2011 CAR: AU FOCUS (CW170) - N.A.
2009 - 2014 TRUCK: Q1 U387/388N EDGE/MKX
2009 - 2015 TRUCK: Q1 U387/388N EDGE/MKX
2009 - 2010 TRUCK: F7 F-SERIES OVER 8500 GVW
2014 - 2015 CAR: C7 CD391N FUSION
2013 - 2015 CAR: C7 CD391N FUSION
2009 - 2012 CAR: DE FUSION/MILAN/MKZ (ZEPHYR)
2009 - 2012 CAR: DE FUSION/MILAN/MKZ (ZEPHYR)
2009 - 2011 CAR: DE FUSION/MILAN/MKZ (ZEPHYR)
2009 - 2015 CAR: LE D385N MKS

2010 - 2014 TRUCK: P4 D472N MKT
2013 - 2015 CAR: C9 CD533N MKZ
2009 - 2014 CAR: ZF S197N MUSTANG
2015 CAR: ZG S550N MUSTANG
2009 - 2015 TRUCK: B5 U228N NAVIGATOR
2009 TRUCK: B5 U228N NAVIGATOR
2011 - 2015 TRUCK: FA P473N SUPER DUTY
2015 TRUCK: FC P552N F-150
2009 - 2011 TRUCK: R3 RANGER/MAZDA B2000
2010 - 2015 CAR: PH D258N TAURUS
2009 TRUCK: P5 TAURUS X (D219) 2008 & BEYOND
2014 CAR: HN TRANSIT CONNECT V408N FNA
2014 - 2015 TRUCK: TH V363N TRANSIT
2009 - 2013 CAR: B1 B299 EU FIESTA - B CAR
2011 - 2015 CAR: 00038 FIESTA
2011 - 2013 CAR: CH B299 B CAR (NA)
2014 - 2015 CAR: CT B299N FIESTA MCA

SSM 44804 - 2013-2014 Escape - 2.0L Gasoline Turbocharged Direct Injection (GTDI) Engines -Field Service Action (FSA) 14S17 Service Tips

Some 2013-2014 Escape vehicles included in FSA 14S17 may exhibit difficult to start, runs rough, crank no-start, lack of power, loss of RPM or hesitation concerns with Diagnostic Trouble Codes(DTC) P0106(Manifold Absolute Pressure (MAP/BARO) Sensor Range/Performance) and/or P0236 (Turbocharger/Supercharger Boost SensorA Circuit Range/Performance). These DTCS and Drivability concerns will be resolved with repair procedure available in Field Service Action(FSA) 14S17. NOTE: Itis critical to Disconnect the battery ground cable per Service Procedure Step #1 in FSA 14S17.

APPLICABLE VEHICLES
2013 - 2014 TRUCK: M2 C520N ESCAPE
2013 - 2014 TRUCK: 00130 ESCAPE

SSM 44859 - 2013 - Fusion, Escape - 1.6L GTDI Long Block Replacement Service Tip

When replacing a long block assembly on a 2013 Fusion or Escape equipped with a1.6L GTDI, removal of the Cylinder Head Temperature (CHT) sensor is required toallow proper clearance for the coolant bypass valve. All 1.6L GTDI long blocks come with the CHT sensor installed in the cylinder head and the 2013 model year Fusion and Escape do not utilize this sensor. The CHT sensor is installed in a dry port. Therefore removal of the sensor will not cause any fluid leaks and the sensor does not need to be replaced with a plug.

APPLICABLE VEHICLES
2013 TRUCK: M2 C520N ESCAPE
2013 CAR: C7 CD391N FUSION
2013 TRUCK: 00130 ESCAPE
2013 CAR: 00170 FUSION

SSM 44949 - 2013-2015 Fusion/MKZ/Escape/MKC - 1.6L GTDI, 1.5L GTDI, Or 2.0L GTDI With DTC P00C6, P0087, P008A, P008B, P018C, Or P018D - FLP Sensor Available

Some 2013-2015 Fusion/MKZ/Escape/MKC with a 1.6L GTDI, 1 5L GTDI, or 2.0L GTDI may exhibit a lack of power, loss of power, or stall when placed in gear with DTCs P00C6, P0087, P008A, P008B, P018C, or P018D. If normal diagnosis leads to a biased or failed Fuel Low Pressure (FLP) sensor, the BU5Z-9F972-A sensor is available without having to order the fuel line assembly. The FLP sensor, located on the fuel supply line to the high pressure pump, provides the low side fuel pressure input to the PCM so the Fuel Driver Module can be controlled accordingly. The FLP PID can be viewed in the Datalogger and then compared to a manual pressuregauge per pinpoint test HC in the PCED to validate the sensor is working properly. The Fusion/MKZ catalog will be updated to show the sensor availability.

APPLICABLE VEHICLES
2014 - 2015 CAR: C7 CD391N FUSION
2013 - 2015 CAR: C7 CD391N FUSION
2013 - 2015 CAR: C7 CD391N FUSION
2013 - 2015 CAR: C9 CD533N MKZ
2015 TRUCK: ME C489N MKC
2015 TRUCK: ME C489N MKC
2014 - 2015 TRUCK: M2 C520N ESCAPE
2014 - 2015 TRUCK: M2 C520N ESCAPE
2014 - 2015 CAR: 00170 FUSION
2013 - 2015 CAR: 00170 FUSION
2013 - 2015 CAR: 00170 FUSION
2013 - 2015 CAR: 00179 MKZ
2014 - 2015 TRUCK: 00130 ESCAPE
2014 - 2015 TRUCK: 00130 ESCAPE
2015 TRUCK: 00212 MKC
2015 TRUCK: 00212 MKC
2013 TRUCK: 00130 ESCAPE
2013 TRUCK: M2 C520N ESCAPE

SSM 45788 - Some Vehicles Could Exh bit Misfire Codes After Certain Repairs - Multiple Vehicle Lines

Some vehicles equipped with On Board Diagnostics (OBD) misfire monitor neutral profile learning capabilities may experience the MIL illuminating or flashing, accompanied by one or more engine misfire related codes(P030X). These faults can be a result of the crankshaft position sensor profile (MP_LRN) not being relearned after engine and transmission repairs. The MP_LRN data is no longer cleared with a battery disconnect. In order to properly reset the Misfire Profile, a KAM clear must be performed. Repairs that can require relearning of the MP_LRN data with DS include: crank sensor, trigger wheel, engine timing, and any time the engine or transmission (including DPS6) is removed. From the IDS toolbox select "Powertrain", "Service Functions", then "Misfire Monitor Neutral Profile Correction" and follow the on screen prompts.

APPLICABLE VEHICLES
2014 - 2015 CAR: CT B299N FIESTA MCA
2012 - 2016 CAR: DH C346N FOCUS
2010 - 2012 CAR: DE FUSION/MILAN/MKZ (ZEPHYR)
2010 - 2012 CAR: DE FUSION/MILAN/MKZ (ZEPHYR)
2010 - 2011 CAR: DE FUSION/MILAN/MKZ (ZEPHYR)
2010 - 2016 CAR: LE D385N MKS
2009 - 2016 TRUCK: B7 U222N EXPEDITION
2011 - 2016 TRUCK: Y3 P131N STRIPPED CHASSIS
2011 - 2014 CAR: ZF S197N MUSTANG
2009 - 2014 TRUCK: F6 F150/LINCOLN MARK LT
2010 - 2014 TRUCK: F6 F150/LINCOLN MARK LT
2011 - 2015 TRUCK: FA P473N SUPER DUTY
2010 - 2016 CAR: PH D258N TAURUS
2010 - 2016 CAR: PH D258N TAURUS
2015 - 2016 TRUCK: ME C489N MKC
2013 - 2016 TRUCK: M2 C520N ESCAPE
2009 - 2012 TRUCK: M7 ESCAPE/TRIBUTE/MARINER-LHD
2009 - 2011 TRUCK: M7 ESCAPE/TRIBUTE/MARINER-LHD
2011 - 2016 TRUCK: UB U502N EXPLORER
2011 - 2014 TRUCK: Q1 U387/388N EDGE/MKX
2011 - 2015 TRUCK: Q1 U387/388N EDGE/MKX
2014 TRUCK: C7 V227 TRANSIT CONNECT
2014 - 2016 CAR: 00038 FIESTA
2012 - 2016 CAR: 00122 FOCUS
2011 CAR: 00171 MILAN
2010 - 2016 CAR: 00170 FUSION
2013 - 2016 CAR: 00179 MKZ
2010 - 2015 TRUCK: 00189 FLEX
2010 - 2015 TRUCK: 00194 MKT
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2014 TRUCK: 00016 E-SERIES
2009 - 2016 TRUCK: 00016 E-SERIES
2009 - 2016 TRUCK: 00016 E-SERIES
2009 - 2016 TRUCK: 00026 EXPEDITION
2011 - 2015 TRUCK: 00175 F-SERIES MOTORHOME/COMMERCIAL
2011 - 2016 CAR: 00071 MUSTANG
2009 - 2016 TRUCK: 00029 F-SERIES LD
2009 - 2016 TRUCK: 00106 NAVIGATOR
2010 - 2016 TRUCK: 00028 F-SERIES
2010 - 2016 TRUCK: 00028 F-SERIES
2010 - 2016 TRUCK: 00028 F-SERIES
2010 - 2015 TRUCK: 00028 F-SERIES
2010 - 2016 CAR: 00117 TAURUS
2009 - 2016 TRUCK: 00130 ESCAPE
2011 - 2014 TRUCK: 00176 EDGE
2015 - 2016 CAR: 00176 EDGE
2011 - 2016 TRUCK: 00134 EXPLORER 4DR
2015 CAR: 00153 TRANSIT CONNECT
2015 - 2016 TRUCK: TH V363N TRANSIT

1.6L GTDI/2.0L GTDI-MIL LIGHT—DTC P144C—BUILT ON OR BEFORE 7/18/2012

TSB 12-8-23

FORD:
2013 Escape

ISSUE

Some 2013 Escape vehicles built on or before 7/18/2012 and equipped with a 1.6L or 2.0L Gasoline Turbocharged Direct Injection (GTDI) engine may exhibit a malfunction indicator lamp (MIL) on with diagnostic trouble code (DTC) P144C stored in powertrain control module memory. This concern may be due to an evaporative emissions vapor ejector installed backwards and/or a blocked vapor purge line port in the air cleaner outlet pipe assembly.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Remove engine cover for access, if necessary.
2. Disconnect battery ground cable. Refer to Workshop Manual (WSM), Section 414-01.
3. Inspect vapor ejector installation. Does arrow on vapor ejector indicate proper installation as shown? (Figure 1 or 2)

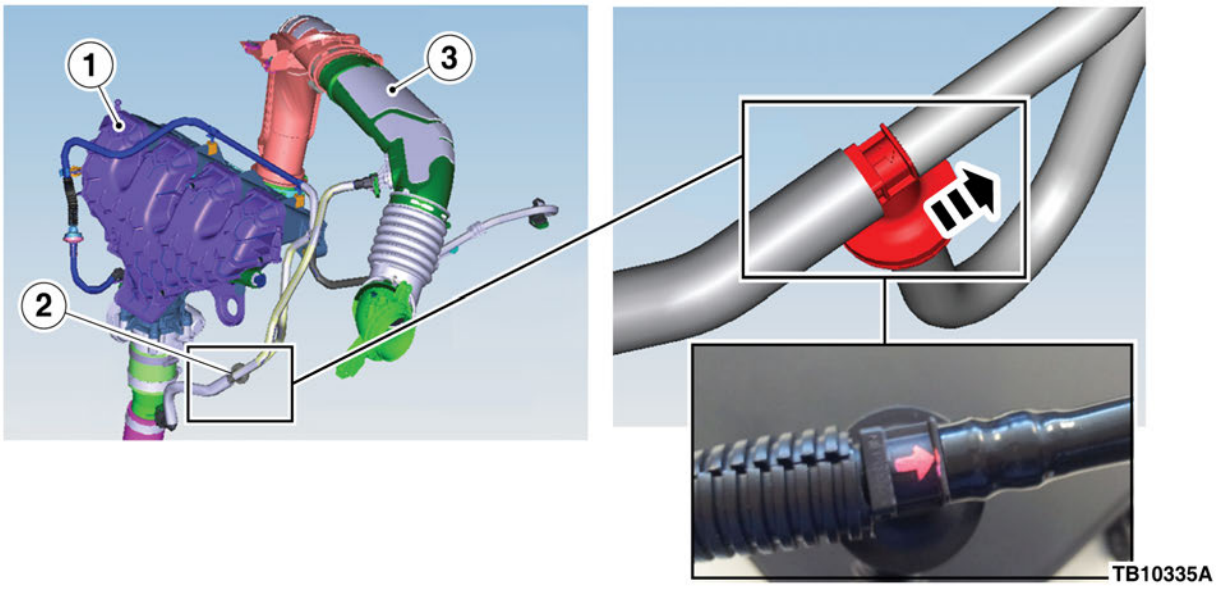


Figure 1 - Article 12-8-23

Figure 1 (2.0L GTDI)	
Item	**Description**
1	Intake Manifold
2	Vapor Ejector Valve
3	Air Cleaner Outlet Pipe Assembly

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 supercede this information with updates.The most recent information is available through Ford Motor Company’s on-line technical resources.

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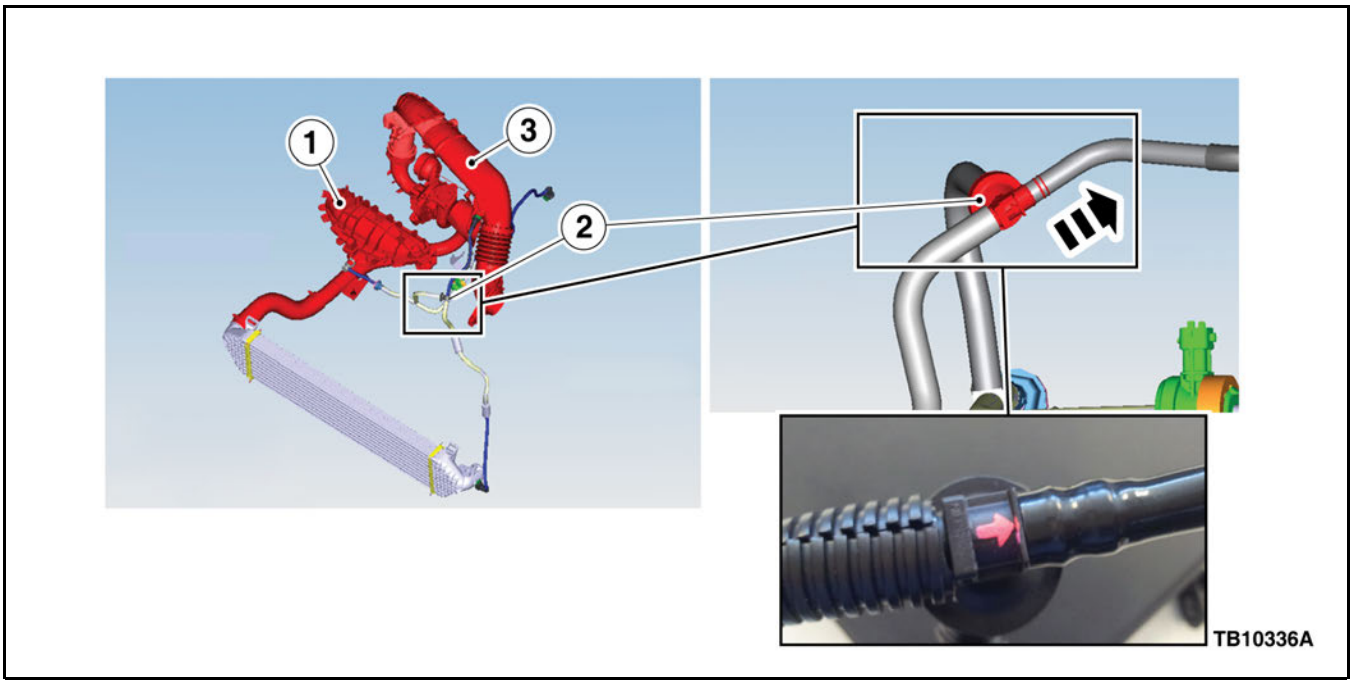


Figure 2 - Article 12-8-23

Figure 2 (1.6L GTDI)	
Item	**Description**
1	Intake Manifold
2	Vapor Ejector Valve
3	Air Cleaner Outlet Pipe Assembly

a. Yes - vapor ejector installation is correct. Proceed to Step 6.

b. No - proceed to Step 4.

4. Loosen the two (2) clamps, remove the bolt (2.0L only) and remove the air intake duct center section. (Figure 3)

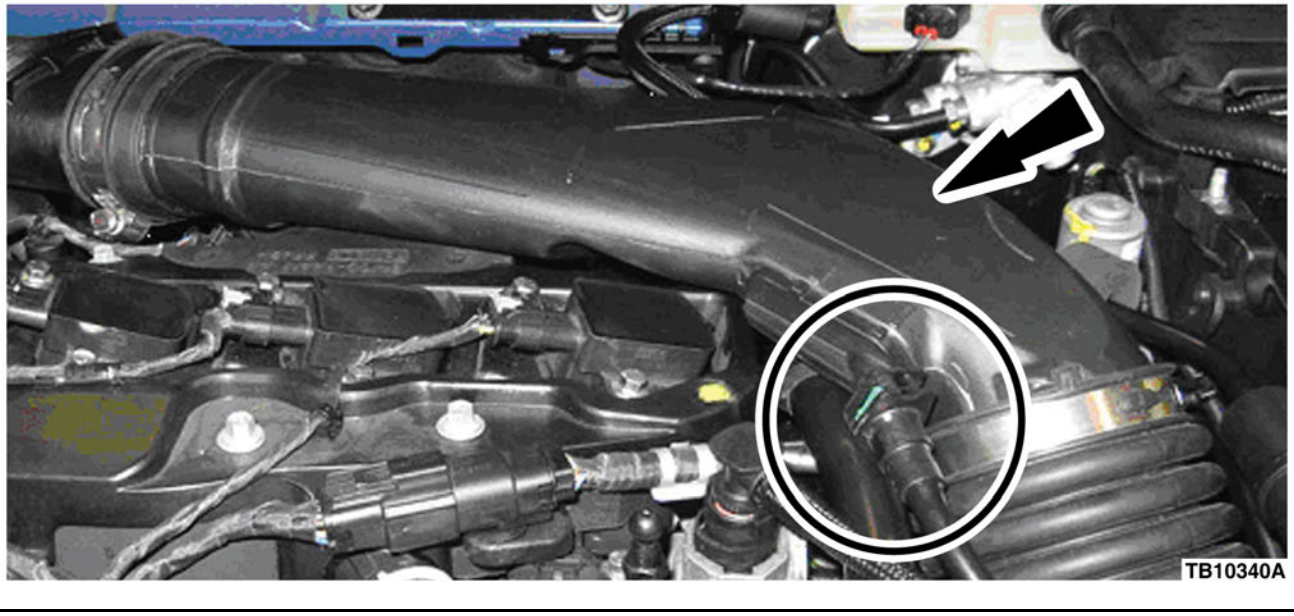


Figure 3 - Article 12-8-23

5. Replace evaporative emission canister purge valve assembly. Refer to WSM, Section 310-00.

a. Removal of the underbody shield is required on 1.6L GTDI equipped vehicles. Proceed to Step 7.

6. Disconnect evaporative emission vapor purge line from the air intake duct center section. Refer to WSM, Section 310-00. (Figure 3)

7. Insert a plastic tie-strap, at least 4.0 mm (.157 in) wide, into the vapor purge line port on the air intake duct center section to determine if it is blocked by flashing. A slight bend is necessary to pass through the angled port orifice. A 4.0 mm (.157 in) opening is required for proper system operation. Does tie-strap pass easily and completely through vapor purge line port?

   a. Yes - proceed to Step 9.

   b. No - proceed to Step 8.

8. Replace air cleaner outlet pipe assembly. Tighten clamp and bolt (2.0L only) to 5 N•m (44 lb-in). Proceed to Step 11.

9. Install the air intake duct center section. Tighten all fasteners to 5 N•m (44 lb-in).

10. Connect evaporative emission vapor purge line to air intake duct center section. Refer to WSM, Section 310-00.

11. Connect battery ground cable. Refer to Workshop Manual, Section 414-01.

12. Install engine cover, if previously removed.

PART NUMBER	PART NAME
CV6Z-9D289-B	Evaporative Emission Canister Purge Valve Assembly (1.6L GTDI)
CV6Z-9D289-C	Evaporative Emission Canister Purge Valve Assembly (2.0L GTDI)
CV6Z-9B659-C	Air Cleaner Outlet Pipe Assembly (1.6L GTDI)
CV6Z-9B659-D	Air Cleaner Outlet Pipe Assembly (2.0L GTDI)

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.

OPERATION	DESCRIPTION	TIME
120823A	2013 Escape 1.6L GTDI: Check DTCs Inspect And Replace The Air Cleaner Outlet Pipe Assembly (Do Not Use With Any Other Labor Operations)	0.4 Hr.
120823A	2013 Escape 2.0L GTDI: Check DTCs Inspect And Replace The Air Cleaner Outlet Pipe Assembly (Do Not Use With Any Other Labor Operations)	0.4 Hr.
120823B	2013 Escape 1.6L GTDI: Check DTCs Inspect And Replace Evaporative Emission Purge Valve (Do Not Use With Any Other Labor Operations)	0.7 Hr.
120823B	2013 Escape 2.0L GTDI: Check DTCs Inspect And Replace Evaporative Emission Purge Valve (Do Not Use With Any Other Labor Operations)	0.5 Hr.
120823C	2013 Escape 1.6L GTDI: Check DTCs Inspect And Replace Evaporative Emission Purge Valve And The Air Cleaner Outlet Pipe Assembly (Do Not Use With Any Other Labor Operations)	0.8 Hr.

120823C	2013 Escape 2.0L GTDI: Check DTCs Inspect And Replace Evaporative Emission Purge Valve And The Air Cleaner Outlet Pipe Assembly (Do Not Use With Any Other Labor Operations)	0.6 Hr.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9D289	12

2.0L GTDI—ROLLING/FAST IDLE—DIAGNOSTIC TROUBLE CODES (DTCS) P0507, P0171 AND/OR P0174—BUILT ON OR BEFORE 9/28/2012

TSB 13-1-4

FORD:
2013 Fusion, Escape

ISSUE

Some 2013 Escape and Fusion vehicles built on or before 9/28/2012 and equipped with the 2.0L gasoline turbo direction injection (GTDI) engine may exhibit a rolling/fast idle with DTCs P0507, P0171, and/or P0174. This may be due to a missing plug on the left hand side of the intake manifold.

ACTION

Follow the Service Procedure steps to correct the concern.

SERVICE PROCEDURE

1. Inspect the left hand side of the intake manifold for a missing plug. Is the plug missing from the intake manifold? (Figure 1)

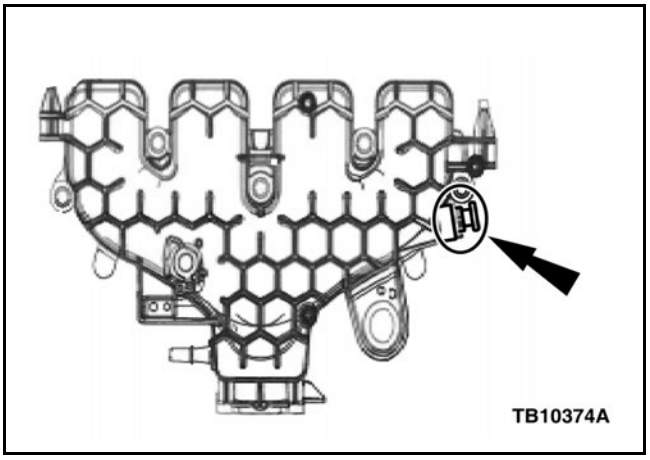


Figure 1 - Article 13-1-4

   a. Yes - proceed to Step 2.

   b. No - this article does not apply. Perform normal diagnostics. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual.

2. Install the intake manifold plug using the instruction sheet provided in the kit.

   a. The kit includes the locking ring which typically remains in the intake manifold. Discard the new locking ring in kit. Do not attempt to remove or replace the locking ring as intake manifold damage will occur.

PART NUMBER	PART NAME
CB5Z-9A450-A	Intake Plug Kit

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.

OPERATION	DESCRIPTION	TIME
130104A	2013 Escape And Fusion 2.0L GTDI: Check DTCs Inspect And Install Intake Manifold Plug Following Kit Instruction (Do Not Use With Any Other Labor Operations)	0.3 Hr.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9424	24

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MIL LIGHT ON—DTCS P0011, P0016, P0015 AND/OR P0017

TSB 13-5-33

FORD:
2013 Fusion, Escape

This article supersedes TSB **12-10-8** to update the production fix date, update the Part List and Service Procedure.

ISSUE

Some 2013 Fusion and Escape vehicles equipped with a 1.6L Gasoline Turbocharged Direct Injection (GTDI) engine and built on or before 4/1/2013, may exhibit Diagnostic Trouble Codes (DTCs) P0011, P0016, P0015 and/or P0017.

ACTION

Follow the Service Procedure steps to correct the concern.

SERVICE PROCEDURE

1. Replace both variable camshaft timing (VCT) oil control solenoids. Refer to Workshop Manual, Section 303-14.
2. Replace the PCV hose with the new PCV hose which includes 2.5 mm rubber spacers on the hose.

PART NUMBER	PART NAME
CN1Z-6M280-A	Oil Control Solenoid - Intake Camshaft
CN1Z-6M280-B	Oil Control Solenoid - Exhaust Camshaft
BM5Z-6A664-B	PCV Hose

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.

OPERATION	DESCRIPTION	TIME
130533A	2013 Escape, Fusion 1.6L G-TDI: Check DTC And Replace Both Oil Control Solenoids And PCV Hose (Do Not Use With Any Other Labor Operations)	0.5 Hr.

DEALER CODING

BASIC PART NO.	CONDITION CODE
6M280	49

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1.6L GTDI/2.0L GTDI/2.0L GDI—DTCS P025A/U0109/P0103/P1A0C—BUILT ON OR BEFORE 4/1/2013

TSB 13-6-28

FORD:
2013 C-MAX, Focus, Escape

This article supersedes TSB **13-2-5** to add a production fix date.

ISSUE

Some 2013 Escape 1.6L Gasoline Turbocharged Direct Injection (GTDI)/2.0L GTDI, 2013 Focus 2.0L Gasoline Direct Injection (GDI) and C-MAX vehicles equipped with Intelligent Access Remote Start feature and built on or before 4/1/2013 exhibit diagnostic trouble codes (DTCs) P025A/U0109 (Escape), P025A/U0109/P0103 (Focus) and P025A/P0103/P1A0C (C-MAX) stored in the Powertrain Control Module memory. When using the Remote Start feature, customers may experience a Crank No-Start or Stall shortly after vehicle is driven. All DTC s (P025A/U0109 for Escape, P025A/U0109/P0103 for Focus and P025A/P0103/P1A0C for C-MAX) must be present for this TSB to apply.

ACTION

Reprogram the body control module (BCM) to the latest calibration using IDS release 83.02 or higher. Calibration files may also be obtained at www.motorcraft.com.

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.

OPERATION	DESCRIPTION	TIME
130628A	2013 Escape 1.6L/2.0L/2013 Focus 2.0L GDI And C-MAX: Check DTCs And Reprogram The BCM Includes Time To Clear Codes (Do Not Use With Any Other Labor Operations)	0.2 Hr.

DEALER CODING

BASIC PART NO.	CONDITION CODE
14A068	04

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1.6L GTDI / 2.0L GTDI - SERVICE ENGINE SOON LIGHT - DTCS P007B/ P0236/P06A7	TSB 14-0034

FORD:

2013-2014 Fusion

LINCOLN:

2014 MKZ

FORD:

2013-2014 Escape

ISSUE

Some 2013-2014 Escape vehicles built on or before 10/22/2013, 2013-2014 Fusion and 2014 MKZ vehicles built on or before 10/18/2013 and equipped with 1.6L or 2.0L Gasoline Turbocharged Direct Injection (GTDI) engines may exhibit difficult to start, runs rough at start up, crank no start, lack of power, loss of RPM or hesitation concerns with diagnostic trouble codes (DTCs) P007B or P0236 along with P06A7 stored in powertrain control module memory (PCM).

ACTION

Follow the Service Procedure Steps to correct the condition.

SERVICE PROCEDURE

1. Using Integrated Diagnostic System (IDS), check for DTCs.
2. Does the vehicle exhibit a driveability concern with DTC P007B or P0236 along with P06A7 stored?

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a. Yes - replace TCBP/CACT/MAPT sensor and fastener. Torque the fastener to 4.1 Nm +/- .7 Nm (36.3 lb-in +/- 6.2 lb-in) . Refer to Workshop Manual (WSM), section 303-14, and Wiring Diagram, Section 5-1. (Figures 1 and 2)

(1) Other DTCs may also be present along with P007B, P0236 and P06A7, which share the VREF circuit.

(2) 1.6L GTDI engine TCBP/CACT (MAPT) sensor location. (Figure 1)

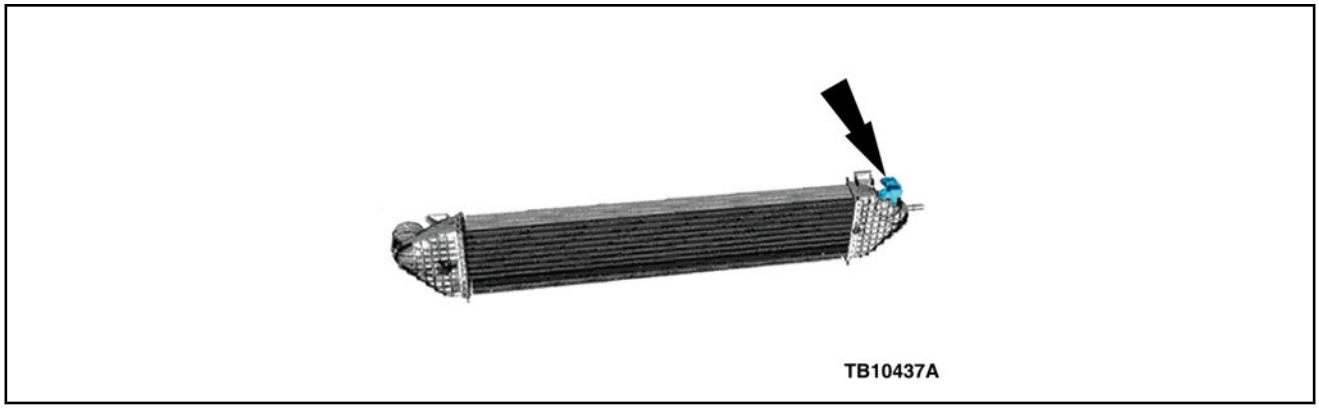


Figure 1 - Article 14-0034

(3) 2.0L GTDI engine TCBP/CACT (MAPT) sensor location. (Figure 2)

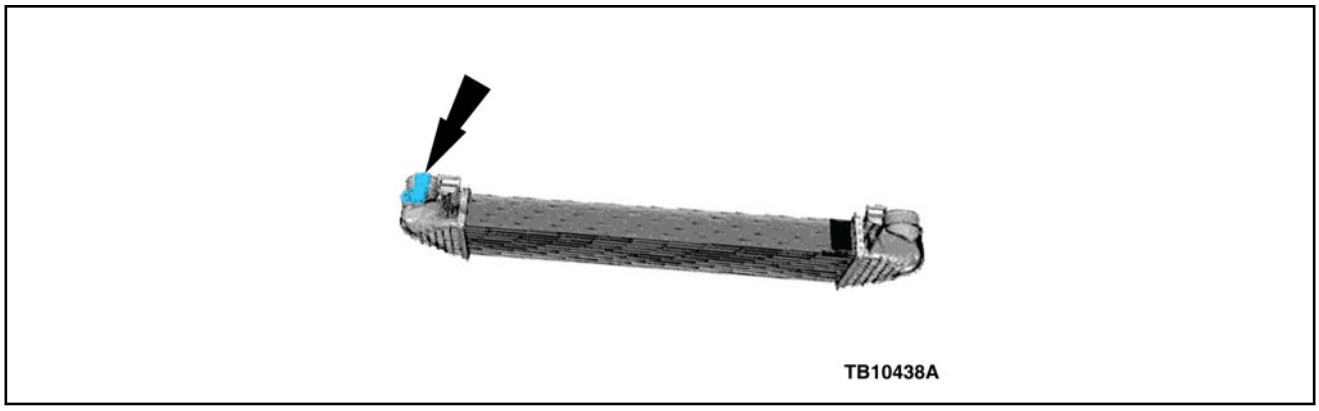


Figure 2 - Article 14-0034

b. No - Perform normal Workshop Manual diagnostics.

PART NUMBER	PART NAME
EL8Z-9F479-A	Sensor Assembly
W716594-S450B	Screw—Escape
W506974-S450B	Screw—Fusion MKZ

OPERATION	DESCRIPTION	TIME
140034A	2013-2014 Escape, Fusion 1.6L GTDI/2.0L GTDI: Check DTCs And Replace TCBP/CACT (MAPT) Sensor	0.5 Hr.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9F479	49

1.6L GTDI/2.0L GTDI - MIL ILLUMINATED - DTC P2111, P2101 OR P2112 - LACK OF POWER - AMBIENT TEMPERATURES BELOW 0 DEGREES CELSIUS (32 DEGREES FAHRENHEIT)	TSB 14-0107

FORD:

2013-2014 Escape

ISSUE

Some 2013-2014 Escape vehicles equipped with 1.6L or 2.0L Gasoline Turbocharged Direct Injection (GTDI) engines may exhibit malfunction indicator lamp (MIL) illuminated with diagnostic trouble codes (DTC) P2111, P2101 or P2112 stored in powertrain control module (PCM) memory, and in some instances a lack of power, in ambient temperatures below 0 °C (32 °F).

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Does the condition occur in ambient temperatures below 0 °C (32 °F)?
   a. Yes - proceed to Step 2.
   b. No - this article does not apply. Refer to Powertrain Control/Emission Diagnosis (PC/ED) manual for normal diagnostics.
2. Using Integrated Diagnostic System (IDS) service tool or equivalent, check for DTCs.
3. Does the vehicle contain DTC P2111, P2101 or P2112 stored in PCM memory and, in some instances, a lack of power?
   a. Yes:
      (1) 1.6L GTDI proceed to Step 4.
      (2) 2.0L GTDI proceed to Step 5.
   b. b. No - this article does not apply. Refer to PC/ED manual for normal diagnostics.
4. Replace the Charge Air Cooler (CAC) tube and screen assembly from the CAC to the throttle body.
   a. Raise the vehicle. Refer to Workshop Manual (WSM), Section 100-02.
   b. Remove the front lower splash shield. Refer to WSM, Section 303-04.
   c. Disconnect the CAC tube at the throttle body.
   d. Remove the nut at the transmission oil pan.
   e. Disconnect and remove the CAC tube at the left hand CAC connection. Refer to WSM, Section 303-12.
   f. Install a new CAC tube.
   g. Reverse the removal steps for installation. Repair is complete.
5. Replace the Charge Air Cooler (CAC) tube and screen assembly from the CAC to the throttle body.
   a. Raise vehicle. Refer to Workshop Manual (WSM), Section 100-02.
   b. Remove front lower splash shield. Refer to WSM, Section 303-04.
   c. Disconnect the fuel vapor separator tube quick connect.
   d. Disconnect the CAC tube at the throttle body.

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e. Disconnect and remove the CAC tube at the right hand CAC connection. Refer to WSM, Section 303-12.

f. Install a new CAC tube.

g. Reverse the removal steps for installation. Repair is complete.

PART NUMBER	PART NAME
CV6Z-6C640-RA	CAC Tube – 1.6L GTDI
CV6Z-6C640-SA	CAC Tube – 2.0L GTDI

OPERATION	DESCRIPTION	TIME
140107A	2013-2014 Escape 1.6L/2.0L GTDI: Check DTCs And Replace The CAC Tube Includes Time To Clear DTCs (Do Not Use With Any Other Labor Operations)	0.7 Hr.

WARRANTY STATUS:
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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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9424	42

1.6L ECOBOOST - TRANSMISSION OVERHEAT - DTC P0218, P1783, P0710 AND/OR P0712 - BUILT ON OR BEFORE 3/1/2014	TSB 14-0125

FORD:

2014 Escape

ISSUE

Some 2014 Escape vehicles equipped with a 1.6L EcoBoost engine built on or before 3/1/2014 may exhibit an illuminated malfunction indicator lamp (MIL) with a transmission overheat condition and diagnostic trouble codes (DTCs) P0218, P1783, P0710, P0712, P0706, P0707, P1702 and/or P1921. A new calibration is available that will prevent a recurrence of the overheat condition.

ACTION

Reprogram the powertrain control module (PCM) to the latest calibration using Integrated Diagnostic System (IDS) release 89.02 and higher. Calibration files may also be obtained at www.motorcraft.com.

Follow normal diagnosis and repair procedures for any transmission repairs required. Refer to Workshop Manual (WSM), Section 307-01.

OPERATION	DESCRIPTION	TIME
140125A	2014 Escape 1.6L EcoBoost: Retrieve DTCs And Reprogram The PCM Includes Time To Clear DTCs	0.3 Hr.
MT140125	Use Service Labor Time Standards For Any Transmission Diagnosis And Repair Or Actual Time. Can Be Claimed With Operation A	Actual Time

WARRANTY STATUS:

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DEALER CODING

BASIC PART NO.	CONDITION CODE
RECALEM	04

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MALFUNCTION INDICATOR LAMP (MIL) ILLUMINATED - DTCS P0135, P0132, P0030, P2243 AND/OR P2251 - BUILT ON OR BEFORE 5/1/2013	TSB 14-0189

FORD:

2013 Escape, Focus, Fusion

LINCOLN:

2013 MKZ

This article supersedes TSB **14-0129** to update the vehicle model lines and production fix date.

ISSUE

Some 2013 Fusion, MKZ, Escape vehicles equipped with a 1.6L or 2.0L EcoBoost engine and Focus vehicles equipped with a 2.0L gasoline direct injection (GDI) engine and built on 6/1/2012 and through 5/1/2013 may exhibit a MIL illuminated with diagnostic trouble codes (DTCs) P0132, P0135, P0030, P2243 and/or P2251 stored in powertrain control module(PCM) memory.

ACTION

Follow the Service Procedure step to correct the condition.

SERVICE PROCEDURE

Replace the bank 1, sensor 1, heated oxygen sensor (HO2S). Refer to Workshop Manual, Section 303-14.

PART NUMBER	PART NAME
DS7Z-9F472-A	Sensor - HO2S - Escape 1.6L GTDI
BA5Z-9F472-A	Sensor - HO2S - Fusion, MKZ & Escape 2.0L
BA5Z-9F472-B	Sensor - HO2S - Fusion 1.6L GTDI
8F9Z-9F472-H	Sensor - HO2S - Focus 2.0L GDI
XL-1	Motorcraft® Penetrating and Lock Lubricant
XL-2	Motorcraft® High Temperature Nickel Anti-Seize Lubricant

OPERATION	DESCRIPTION	TIME
140189A	2013 Focus 2.0L GDI: Retrieve DTCs And Replace HO2S (Do Not Use With Any Other Labor Operations)	0.5 Hr.
140189A	2013 Fusion/MKZ 2.0L EcoBoost, 2013 Fusion 1.6L EcoBoost: Retrieve DTCs And Replace HO2S (Do Not Use With Any Other Labor Operations)	0.6 Hr.
140189A	2013 Escape 1.6L/2.0L EcoBoost: Retrieve DTCs And Replace HO2S (Do Not Use With Any Other Labor Operations)	1.0 Hr.

WARRANTY STATUS:

Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage
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DEALER CODING

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BASIC PART NO.	CONDITION CODE
9F472	01

2.5L DIAGNOSTIC TROUBLE CODE (DTC) P061A - BUILT ON OR BEFORE 12/19/2013	TSB 14-0229

FORD:

2014 Escape, Fusion

ISSUE

Some 2014 Escape vehicles equipped with a 2.5L engine built on or before 12/19/2013 and 2014 Fusion vehicles equipped with a 2.5L engine built on 8/17/2013 and through 11/5/2013 at the Hermosillo assembly plant may exhibit a transmission cold drive engagement, harsh transmission shift, runs rough, hard-start driveability concerns with or without malfunction indicator lamp (MIL)/wrench illuminated with DTC P061A (internal control module torque performance) stored in powertrain control module (PCM) memory.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Connect the Ford Integrated Diagnostic System (IDS) service tool to the data link connector (DLC). Is DTC P061A stored in PCM memory?
   a. No - this procedure does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnosis.
   b. Yes - reprogram the PCM to the latest calibration using IDS release 93.01 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates. Calibration files may also be obtained at www.motorcraftservice.com.

OPERATION	DESCRIPTION	TIME
140229A	2014 Escape/Fusion 2.5L: Retrieve DTCs And Reprogram The PCM Includes Time To Clear DTCs	0.3 Hr.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
RECALEM	04

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1.6L GTDI - DTCS P0106, P0131, P0172, P061B, P2196, P0236 OR ENGINE FAULT SERVICE ENGINE NOW MESSAGE WITHOUT DTCS - BUILT ON OR BEFORE 10/24/13	TSB 15-0005

FORD:

2013-2014 Escape

ISSUE

Some 2013-2014 Escape vehicles equipped with 1.6L Gasoline Turbocharged Direct Injection (GTDI) engines and built on or before 10/24/2013 may exhibit difficult to start, runs rough, crank no-start, lack of power, loss of RPM or hesitation concerns with diagnostic trouble codes (DTCs) P0106, P0131, P0172, P061B, P2196 and P0236. An Engine Fault Service Engine Now message may also be displayed without any DTCs in self-test. These conditions may be caused by a wiring concern in the signal return splices.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Using Integrated Diagnostic System (IDS), check for DTCs.
2. Confirm the vehicle ignition switch is in the off position. Disconnect the positive (+) battery cable. For additional information, refer to Workshop Manual (WSM), Section 414-01. Install the ground wire between the disconnected positive battery cable and vehicle body ground terminal. Grounding the disconnected positive battery cable to the vehicle body ground terminal prevents damage to the powertrain control module (PCM) while performing a signal return splice soldering repair procedure.
3. Does the vehicle exhibit a driveability concern with DTCs P0106, P0131, P0172, P061B, P2196 and P0236?
   a. Yes - proceed to Step 4.
   b. No - proceed to Step 5.
4. Replace the signal return splices with 0.75 mm (18 AWG) wire using the solder method. The affected splice numbers are S123 and S178. Refer to Wiring Diagram, Section 5-1.

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a. For 2013 vehicles, splice S123 can be in one of two locations. Splice S123 will have 5 circuits that are multi colored one green/violet (FRP), two white/brown (MAP and Sig Rtn to PCM), one brown/green (ECT) and one green/brown (TFT). (Figure 1)

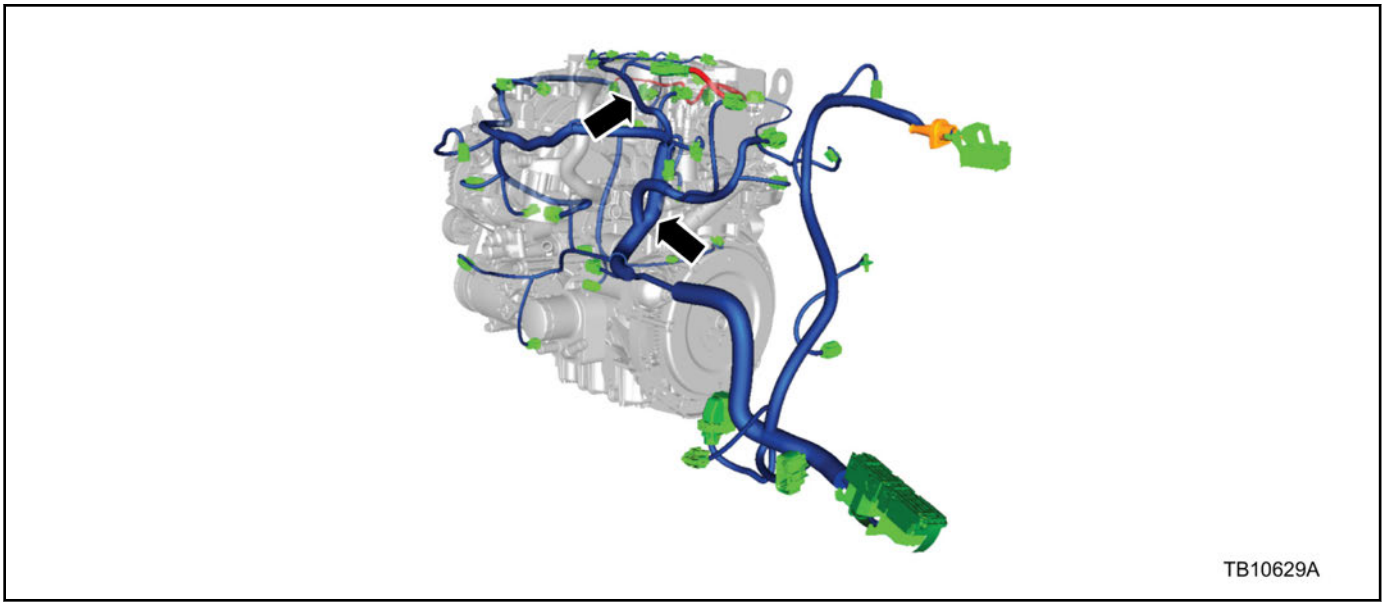


Figure 1 - Article 15-0005

b. For 2014 vehicles, the splice S123 will have 6 circuits that are multi colored one green/violet (FRP), one white/brown (Sig Rtn to PCM) , one brown/green (ECT), one green/brown (TFT) and two blue/green (MAP and CHT). Refer to 2014 Wiring Diagram, Section 151-5. (Figure 1 Lower Arrow)

(1) Remove enough harness wrap to locate and replace the splice.

(2) Solder before sealing the repair with heat shrink tube.

c. Splice S178 is located under the air box where the 12A581 harness turns downward near the transmission cover. It will have 3 circuits that are gray/blue. (Figure 2 Item 1)

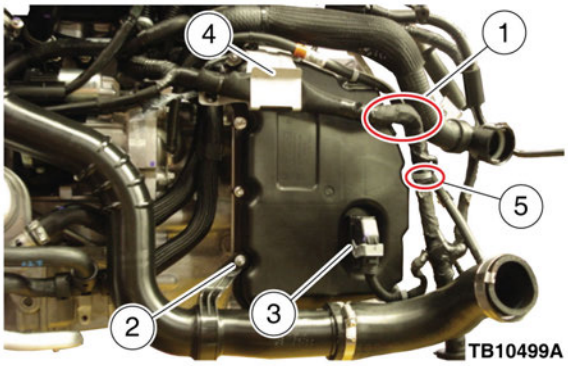


Figure 2 - Article 15-0005

(1) Raise the vehicle. Refer to Workshop Manual (WSM), Section 100-02.

(2) Remove the lower splash shield. Refer to WSM, Section 303-01.

(3) Remove the nut at the transmission oil pan. (Figure 2 Item 2)

(4) Remove the charge air cooler tube. Refer to WSM, Section 303-12.

(5) Disconnect the transmission electrical connector. (Figure 2, Item 3)

(6) Disconnect the white plastic harness bracket. (Figure 2, Item 4)

(7) Disconnect the harness from the black harness clip. (Figure 2, Item 5)

(8) Pull down the harness to gain access to S178.

(9) Remove enough harness wrap to locate and replace the splice. Replace the signal return splice with 0.75 mm (18 AWG) wire using the solder method. (Figure 3)

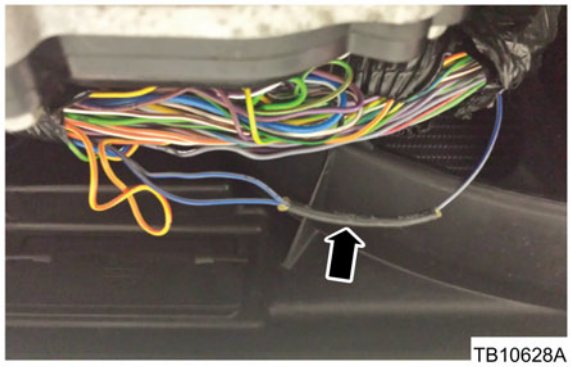


Figure 3 - Article 15-0005

(10) Solder before sealing the repair with heat shrink tube.

(11) Reverse Steps 1 through 8 for installation.

5. If the vehicle exhibits a driveability concern along with an engine fault Service Engine Now message in the instrument panel cluster (IPC) message center without any DTCs stored in PCM memory, perform a wiggle test on the PCM engine harness while monitoring MAP, TCBP and BARO Sensors PSI with IDS. If signal noise or VREF pull down is confirmed during harness wiggle test, replace signal return splices with 0.75 mm (18 AWG) wire using the solder method per Step 4. (Figures 1-3)

6. Reconnect battery cables, refer to Workshop Manual (WSM), Section 414-01.

Obtain Part Locally
12.7 cm (5") 0.75 mm (18 AWG) Wire

PART NUMBER	PART NAME
3U2Z-14A088-AB	Shrink Tube

OPERATION	DESCRIPTION	TIME
150005A	2013-2014 Escape 1.6L GTDI: Check DTCs And Replace Signal Return Splices For MAP And TCBP/CACT/MAPT Includes Time To Access Splices And Wiggle Test (Do Not Use With Any Other Labor Operations)	2.0 Hrs.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
12A581	28

2.0L GTDI ENGINE - DRIVEABILITY CONCERNS WITH DTCS P0106, P0131, P0172, P061B, P2196, P0236 OR SERVICE ENGINE NOW MESSAGE WITHOUT DTCS	TSB 15-0007

FORD:

2013-2014 Escape

ISSUE

Some 2013-2014 Escape vehicles equipped with a 2.0L GTDI engine and built on 4/3/2013 and through 10/24/2013 may exhibit a difficult to start, runs rough, crank no-start, lack of power, loss of RPM or hesitation concerns with diagnostic trouble codes (DTCs) P0106, P0131, P0172, P061B, P2196 and P0236. A Service Engine Now message may also be displayed without any DTCs. These conditions may be caused by a wiring concern in the signal return splices.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Confirm the vehicle ignition switch is in the off position.
   a. Disconnect the positive (+) battery cable. Refer to Workshop Manual (WSM), Section 414-01.
   b. Install a ground wire between the disconnected positive battery cable and the vehicle body ground terminal. Grounding the disconnected positive battery cable to the vehicle body ground terminal prevents damage to the powertrain control module (PCM) while performing signal return splice soldering repair procedure.
2. Remove the engine appearance cover.
3. Remove the air cleaner and air cleaner outlet pipe. Refer to WSM, Section 303-12.
4. Remove the lower radiator hose retaining clip and detach the pushpin retainer from the transmission. (Figure 1)

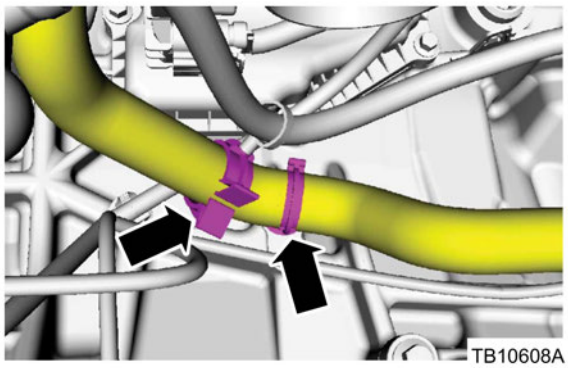


Figure 1 - Article 15-0007

5. Position the lower radiator hose aside.
6. Disconnect the two wire harness retainers and disconnect the turbine shaft speed (TSS) sensor. (Figure 2)

NOTE: The information contained 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, Lincoln, or Mercury 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 supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

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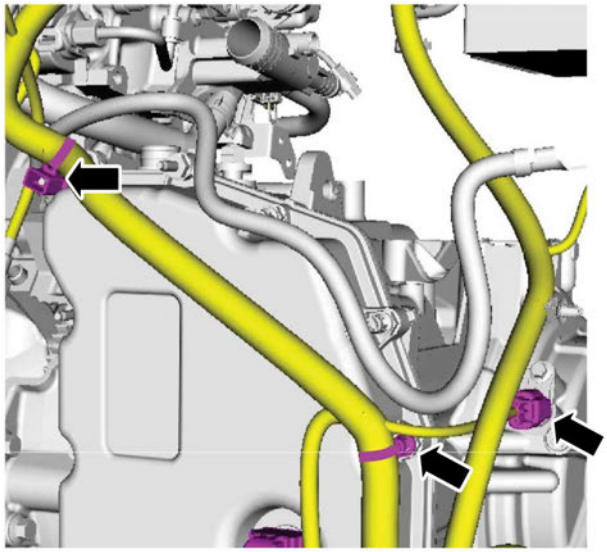


Figure 2 - Article 15-0007

7. Disconnect the starter motor wire harness electrical connector. (Figure 3)

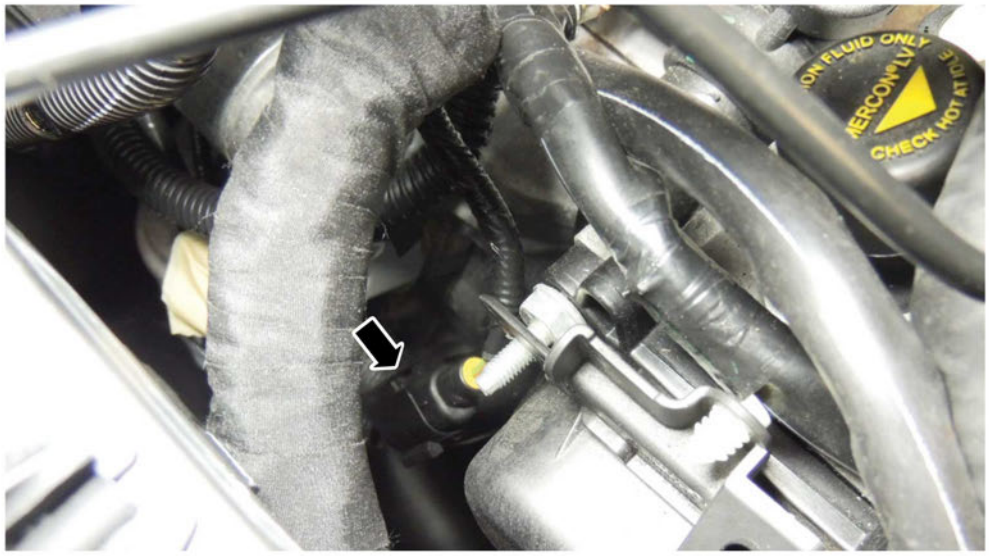


Figure 3 - Article 15-0007

8. Cut the upper wire harness retainer tie strap and remove it from the engine wire harness. (Figure 4)

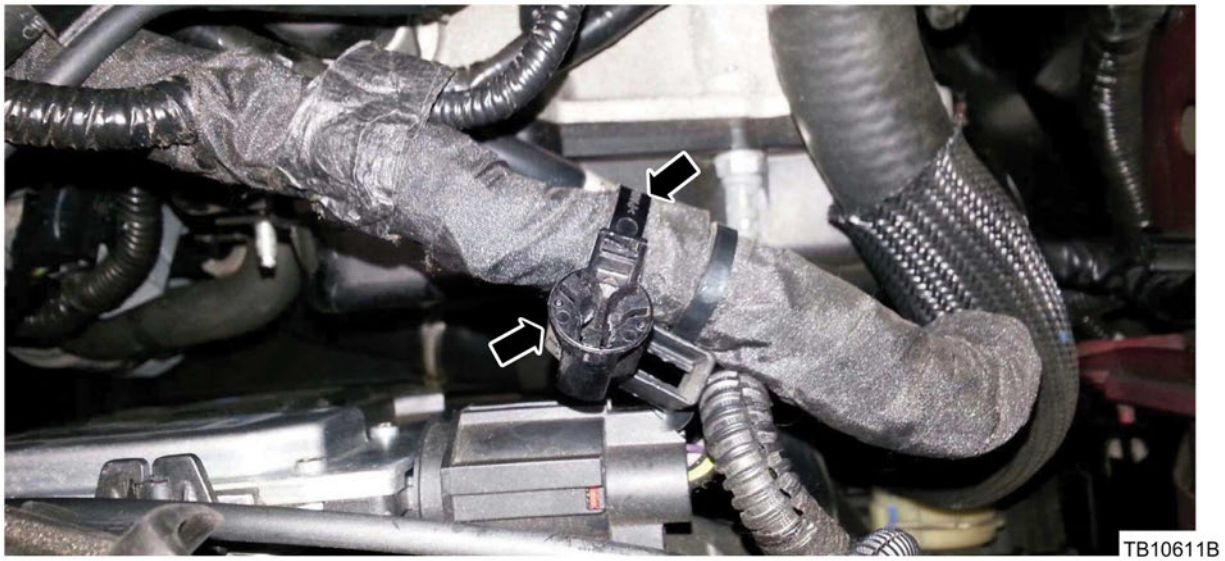


Figure 4 - Article 15-0007

9. Remove the tie strap from the upper wire harness retainer. Save the retainer as it will be used during reassembly.
10. Pull the engine wire harness upward to provide better access for the repair. Locate the section of engine wire harness that contains splice S182 and S108. (Figure 5)

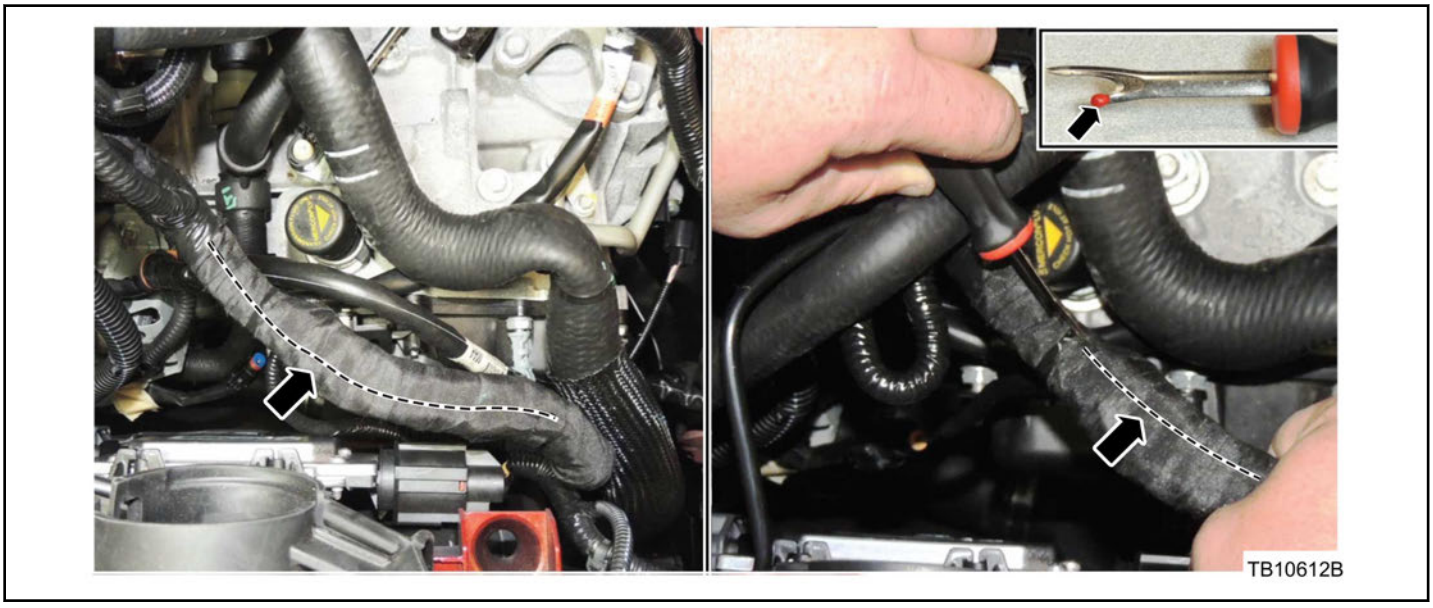


Figure 5 - Article 15-0007

11. Using a commercially available sheathing ripper such as Snap-On SGTT4A or equivalent, carefully strip the wire harness tape from the section of wire harness that contain splice S182 and S108. (Figure 5)
    a. Insert the ball end of the sheathing ripper into the wire harness.
    b. Use caution not to damage the wires or wire insulation when stripping the wire harness tape to access splice S182 and S108.
    c. There are several splices in the area of S182 and S108. Be sure you have located the correct splices to repair as identified below.
12. Locate splices S182 and S108. (Figure 6)

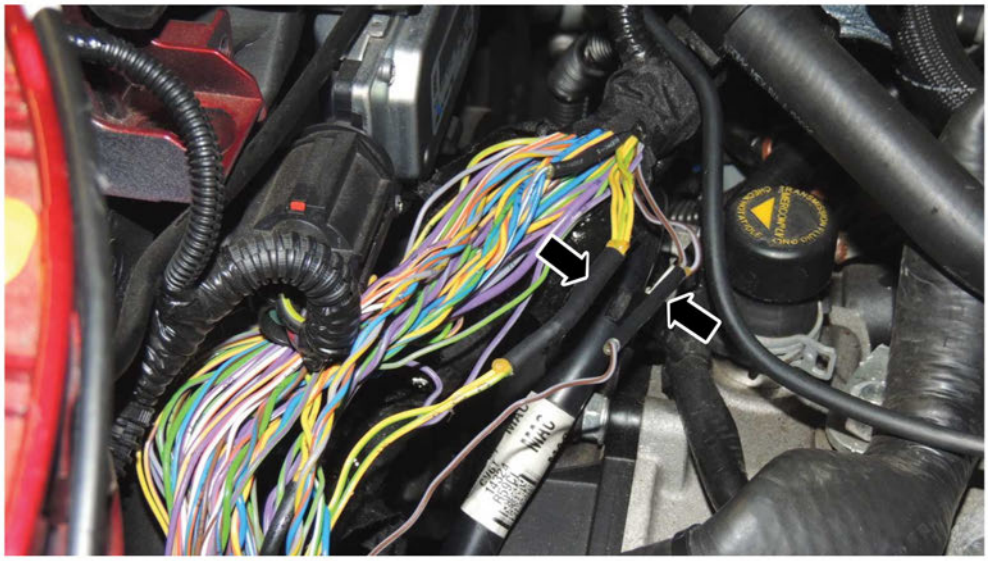


Figure 6 - Article 15-0007

a. S182 is a one (1) wire into two (2) wire splice with gray/brown wires.

b. S108 is a two (2) wire into four (4) wire splice with yellow/green wires.

c. There is another splice with yellow/green wires in this area. Be sure the splice you repair with yellow/green wires is splice S108 having four (4) wires on one side and two (2) wires on the other.

13. Cut the wires on each side of splice S182 and strip off 19 mm (0.75 in.) of insulation from each of the gray/brown wires. (Figure 7)



Figure 7 - Article 15-0007

14. Prepare two lengths of wire for splicing as follows. (Figure 8)

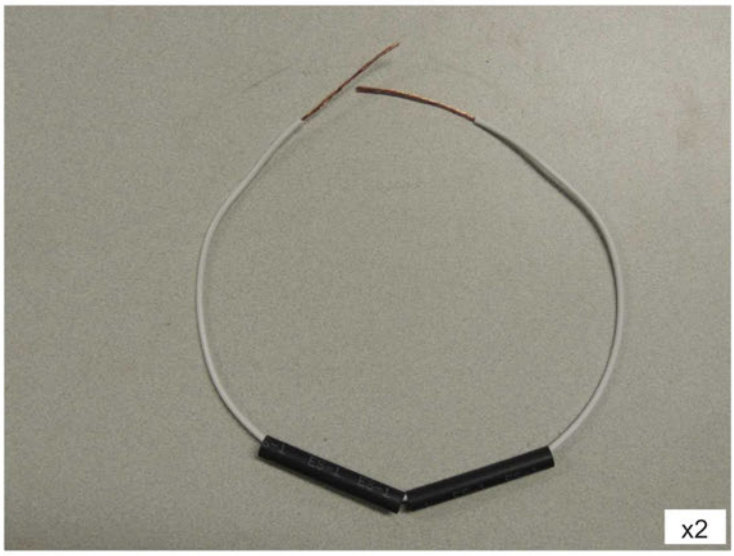


Figure 8 - Article 15-0007

a. Obtain locally two 40.6 cm (16 in.) lengths of 18 AWG wire.

b. Strip 38 mm (1.5 in.) of insulation from each end of the wire.

c. Position two (2) lengths of ES-1 double wall heat shrink tubing onto each wire.

15. Join the two gray/brown wires on the engine side of the harness with one end of the previously prepared 40.6 cm (16 in.) length of wire. Twist 13 mm (0.5 in.) of the ends of the wires together and bend the splice wire 90 degrees to the harness wire at the end of the twisted area. Solder the wires together using lead-free electrical solder, with the heat being applied opposite of the applied solder. (Figures 9 and 10)

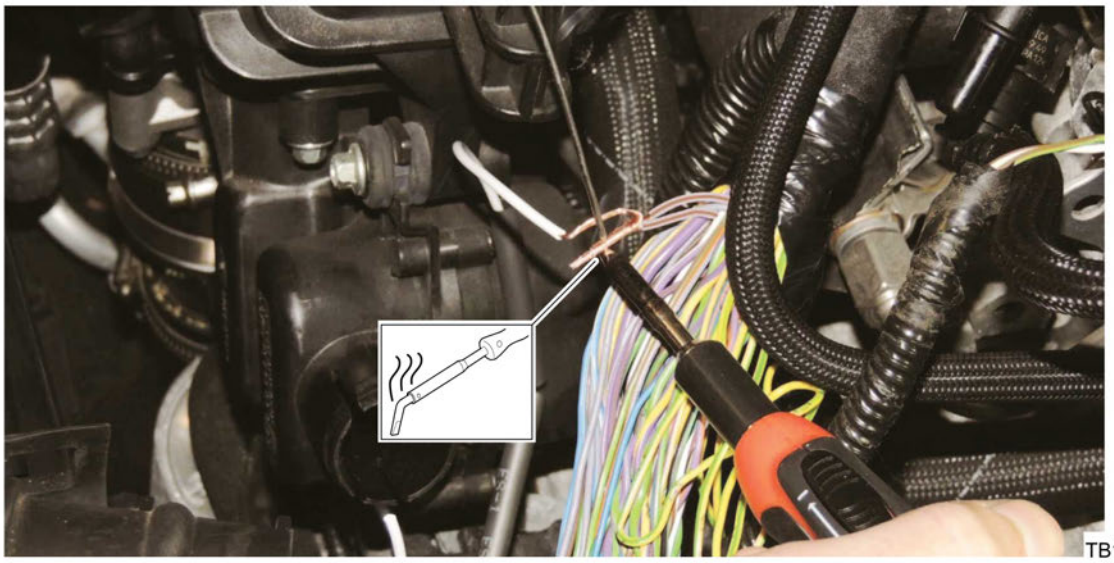


Figure 9 - Article 15-0007

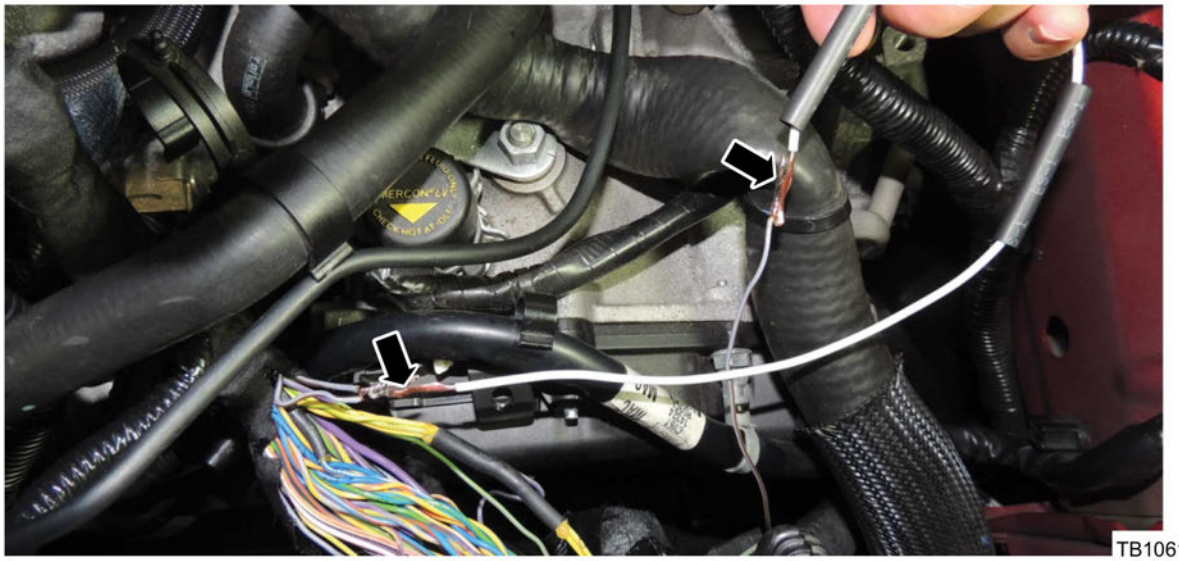


Figure 10 - Article 15-0007

16. Repeat this step to join the single wire end of the splice S182 gray/brown wire to the opposite end of the prepared wire.
17. Position the heat shrink tubing over both ends of the splice wire. Use a suitable heat gun such as Rotunda Shielded Flameless Heat Gun with Heat Deflector, number NAIAT-R5902, that is equipped with a shrink tubing attachment, to heat the heat shrink tubing until the sealant comes out of both ends. (Figures 11 and 12)

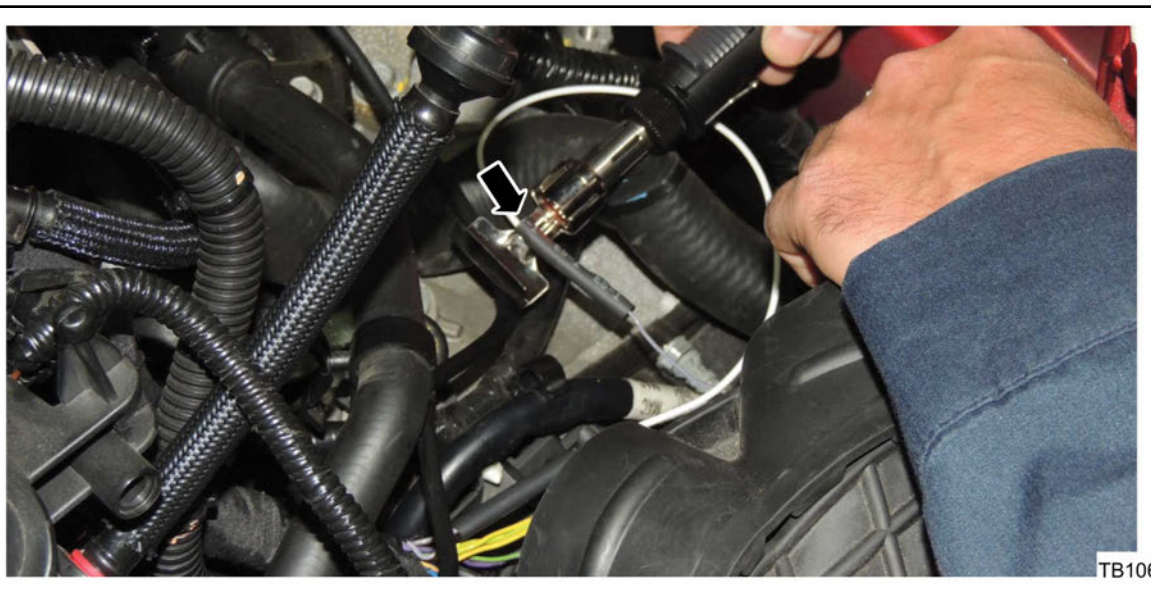


Figure 11 - Article 15-0007

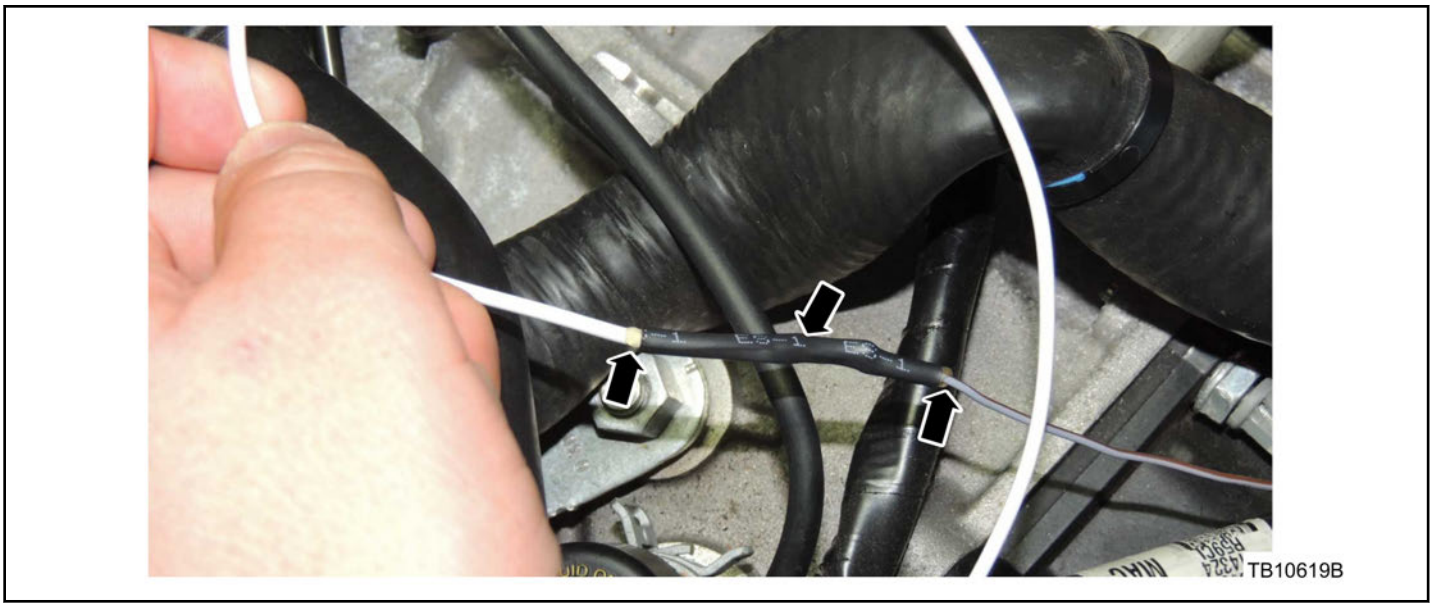


Figure 12 - Article 15-0007

18. Cut the wires on each side of splice S108 and strip off 19 mm (0.75 in.) of insulation from each of the yellow/green wires. (Figure 13)

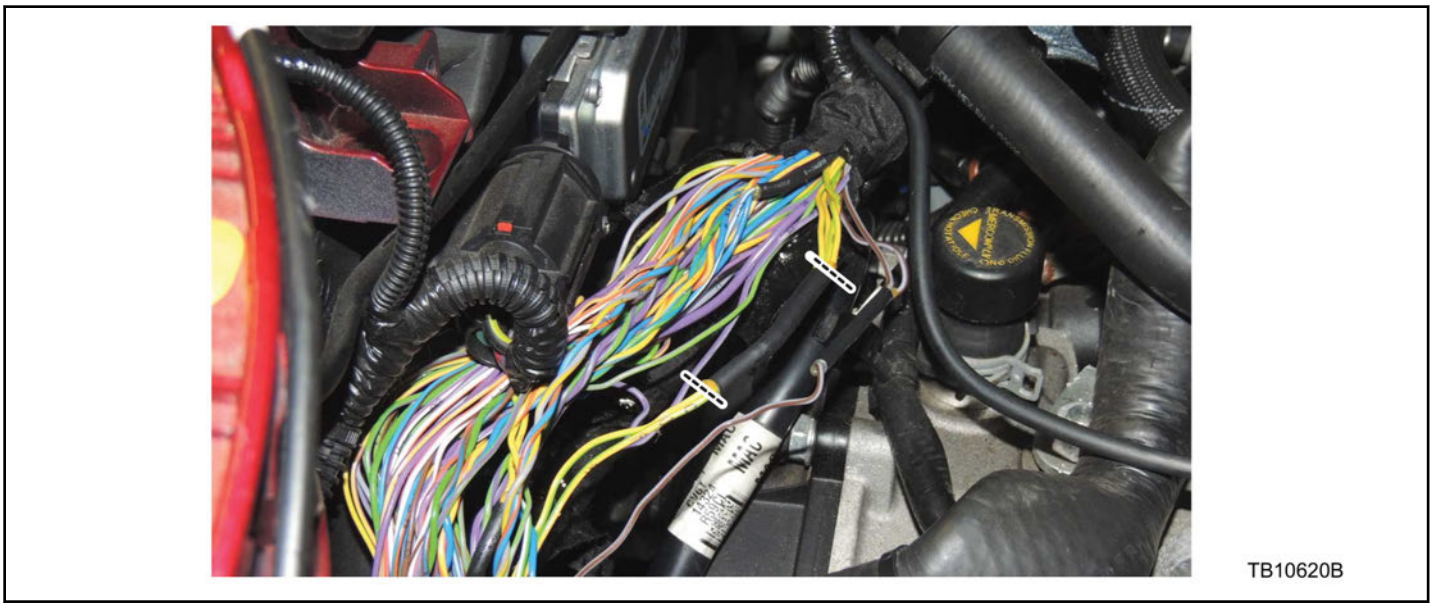


Figure 13 - Article 15-0007

a. There is another splice with yellow/green wires in this area. Be sure the splice you repair with yellow/green wires is splice S108 having four (4) wires on one side and two (2) wires on the other.

19. Repeat Steps 13 and 14 for both ends of splice S108 yellow/green wires.

20. Bundle the wires as shown and apply wire harness tape to the harness, starting from the bottom of the previously cut harness tape and working upward until all exposed wires are covered. (Figure 14)

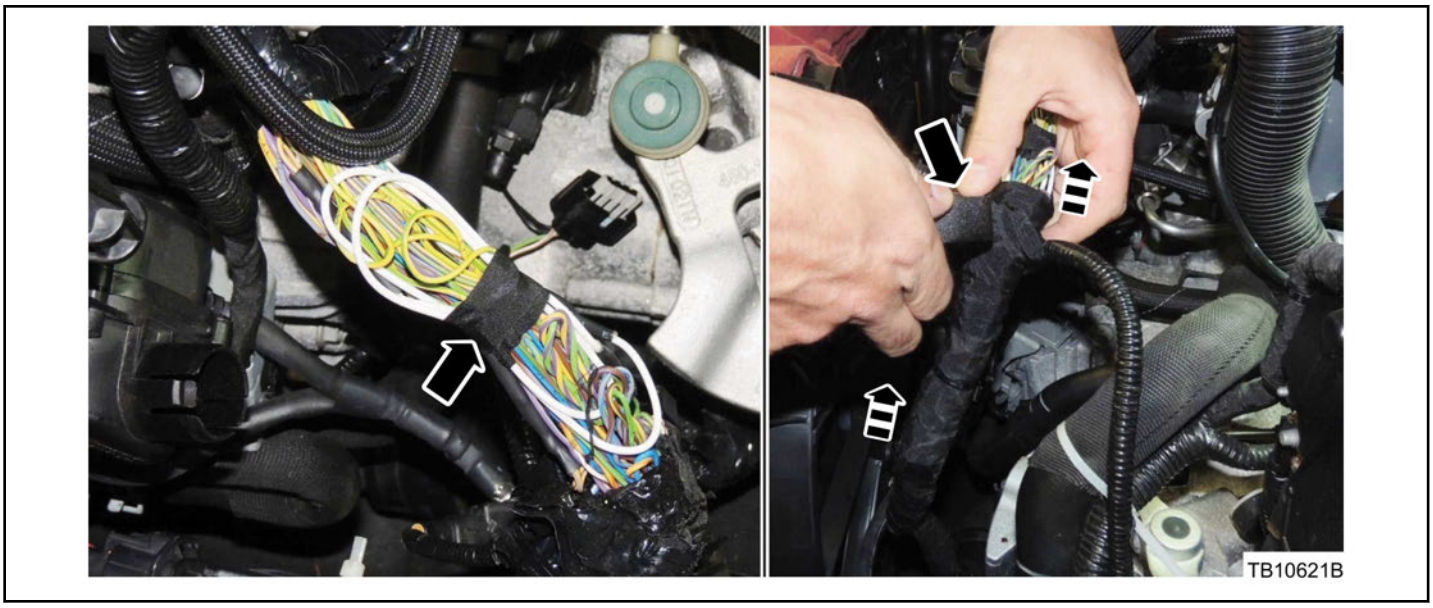


Figure 14 - Article 15-0007

21. Connect the starter motor wire harness electrical connector. (Figure 3)
22. Install the upper wire harness retainer that was removed during Step 7 onto the engine wire harness using a new tie strap. (Figure 4)
23. Connect the two wire harness retainers and connect the TSS sensor. (Figure 2)
24. Position the lower radiator hose back in place. Install the radiator hose retaining clip and attach the push-pin retainer onto the transmission. (Figure 1)
25. Install the air cleaner and air cleaner outlet pipe. Refer to WSM, Section 303-12B.
26. Install the engine appearance cover.
27. Connect the battery ground cable. Refer to WSM, Section 414-01.

Obtain Part Locally
2 ea. @ 40.6 cm (16 in.) 0.75 mm (18 AWG) Wire

PART NUMBER	PART NAME
3U2Z-14A088-AB	Shrink Tube

OPERATION	DESCRIPTION	TIME
150007A	2013-2014 Escape 2.0L GTDI: Check DTCs And Replace Signal Return Splices For MAP And TCBP/CACT/MAPT Includes Time To Access Splices (Do Not Use With Any Other Labor Operations)	1.4 Hrs.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
12A581	28

1.6L GTDI WITH DIAGNOSTIC TROUBLE CODE (DTC) P130D - BUILT ON OR BEFORE 3/13/2015	TSB 15-0050

FORD:

2013-2015 Escape

ISSUE

Some 2013-2015 Escape vehicles equipped with a 1.6L Gasoline Turbocharged Direct Injected (GTDI) engine and built on or before 3/13/2015 may exhibit a Malfunction Indicator Lamp (MIL) with an Engine Fault Service Now message in the instrument cluster and DTC P130D stored in the powertrain control module (PCM).

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Connect the Ford Integrated Diagnostic System (IDS) service tool or equivalent to the data link connector (DLC). Select the following parameter identifications (PIDS) listed below to determine if a cylinder(s) is exhibiting a pre-ignition concern.

- CYL_1_ACCL
- CYL_2_ACCL
- CYL_3_ACCL
- CYL_4_ACCL
- KNK_CNTR_CYL1
- KNK_CNTR_CYL2
- KNK_CNTR_CYL3
- KNK_CNTR_CYL4
- KNK_RATE_LRND
- KNOCK_1
- KNOCK_2
- KNOCK_SPRK

Record the cylinder(s) knock counts for comparison later in the procedure and after the values are reset.

2. Reprogram the powertrain control module (PCM) to the latest level service calibration using IDS release 94.04 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates. Calibration files may also be obtained at www.motorcraftservice.com.
3. Tighten the 3 generator mounting fasteners to 48 Nm (35 lb-ft). Refer to Workshop Manual (WSM), Section 414-02.
4. Tighten the coil to cylinder head ground G111 to 19 Nm (168 lb-in).
5. Remove all 4 spark plugs and inspect for micro cracks and carbon trails. Refer to WSM, Section 307-07. Replace any spark plugs where a concern is identified.
6. Verify the engine oil level is between the A (minimum) and B (maximum) marks on the engine oil dipstick and fill or drain as necessary.
    a. If the engine oil level is over full, inspect the air intake system and charge air cooler (CAC) tubes for oil build up. Refer to WSM, Section 303-12.
7. Perform the following road test. Listen for audible engine knock and/or smoke from the exhaust.

NOTE: The information contained 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, Lincoln, or Mercury 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 supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

a. Road test - low RPM, high engine load:

(1) Drive the vehicle until the powertrain is at full operating temperature.

(2) From a low vehicle speed at a suitable highway or interstate entrance, lock or hold the transmission into 5th and 6th gears. While not allowing for a downshift, and starting at the lowest RPM possible, maintain maximum engine load and accelerate until highway or interstate speed limit is reached.

b. Road test - high RPM, high engine load:

(1) Drive the vehicle until the powertrain is at full operating temperature.

(2) From a low vehicle speed at a suitable highway or interstate entrance, kick-down to wide open throttle (WOT) and accelerate through high RPM until highway or interstate speed limit is reached.

8. Evaluate the road test. Compare the PID readings from Step 1 with the current PID values with the key on engine off (KOEO) after the road test. The PID values will have reset due to the reprogramming of the PCM.

a. Did any of the following occur?

(1) Did the pre-ignition counters increase by more than 2 on any individual cylinder?

(2) Did the sum of the pre-ignition counters from all cylinders increase by more than 4?

(3) Did DTC P130D code return?

(4) Was an audible engine knock heard during the test drive?

(5) Was exhaust smoke present during the test drive?

b. No to all questions - proceed to Step 9.

c. Yes to one or more questions - procedure is complete. Refer to WSM, Section 303-00 for base engine diagnosis.

9. Is the engine coolant level low enough to indicate a cooling system concern?

a. No - repair is complete.

b. Yes - procedure is complete. Refer to WSM, Section 303-03 for engine cooling system diagnosis.

PART NUMBER	PART NAME
W715065-S442	Bolt - Generator
W703957-S437	Bolt - Generator
W520103-S437	Nut - Generator
XO-5W20-QSP	Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil
VC-3-B	Motorcraft® Orange Antifreeze/Coolant Concentrated
CYFS-13Y-RC	Spark Plug

OPERATION	DESCRIPTION	TIME
MT150050	Use SLTS Operations If Available; Claim Additional Diagnosis Or Labor Performed As Actual Time	Actual Time

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
6007	01

1.6L GTDI ENGINE - ENGINE IDLE SURGE ON COLD START - BUILT ON OR BEFORE 3/13/2015	TSB 15-0070

FORD:

2013-2015 Escape

ISSUE

Some 2013-2015 Escape vehicles equipped with a 1.6L Gasoline Turbocharged Direct Injected (GTDI) engine and built on or before 3/13/2015 may exhibit an engine idle surge on cold start.

ACTION

Reprogram the powertrain control module (PCM) to the latest calibration using IDS release 94.04 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates. Calibration files may also be obtained at www.motorcraftservice.com.

NOTE: ADVISE THE CUSTOMER THAT THIS VEHICLE IS EQUIPPED WITH AN ADAPTIVE TRANSMISSION SHIFT STRATEGY WHICH ALLOWS THE VEHICLE'S COMPUTER TO LEARN THE TRANSMISSION'S UNIQUE PARAMETERS AND IMPROVE SHIFT QUALITY. WHEN THE ADAPTIVE STRATEGY IS RESET, THE COMPUTER WILL BEGIN A RE-LEARNING PROCESS. THIS RE-LEARNING PROCESS MAY RESULT IN FIRMER THAN NORMAL UPSHIFTS AND DOWNSHIFTS FOR SEVERAL DAYS.

OPERATION	DESCRIPTION	TIME
150070A	2013-2015 Escape 1.6L GTDI: Reprogram The PCM (Do Not Use With Any Other Labor Operations)	0.3 Hr.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
RECAL	04

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1.6L GTDI - LACK OF POWER WITH MIL ILLUMINATED - DTCS P0234, P0245, P0246 AND/OR P0299	TSB 15-0162

FORD:

2013-2014 Fusion

2013-2016 Escape

2014-2016 Fiesta

ISSUE

Some 2013-2016 Escape, 2014-2016 Fiesta ST, and 2013-2014 Fusion vehicles equipped with a 1.6L Gasoline Turbocharged Direct Injection (GTDI) engine may exhibit a lack of power concern with malfunction indicator lamp (MIL) illuminated and diagnostic trouble codes (DTCs) P0234, P0245, P0246 and/or P0299 stored in powertrain control module (PCM) memory.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Connect the Ford Integrated Diagnostic System (IDS) service tool or equivalent scan tool, to the data link connector (DLC). Are DTCs P0234, P0245, P0246 and/or P0299 present in the PCM memory?
   a. Yes - proceed to Step 2.
   b. No - this article does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
2. Inspect the charge air cooler tubes and vacuum lines for damage and proper connection. Was any damage or connection issues identified?
   a. Yes - this article does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
   b. No - proceed to Step 3.
3. Remove the engine front undershield. Refer to Workshop Manual (WSM), Section 501-02.
4. Replace the turbocharger wastegate regulating valve solenoid. (Figure 1)

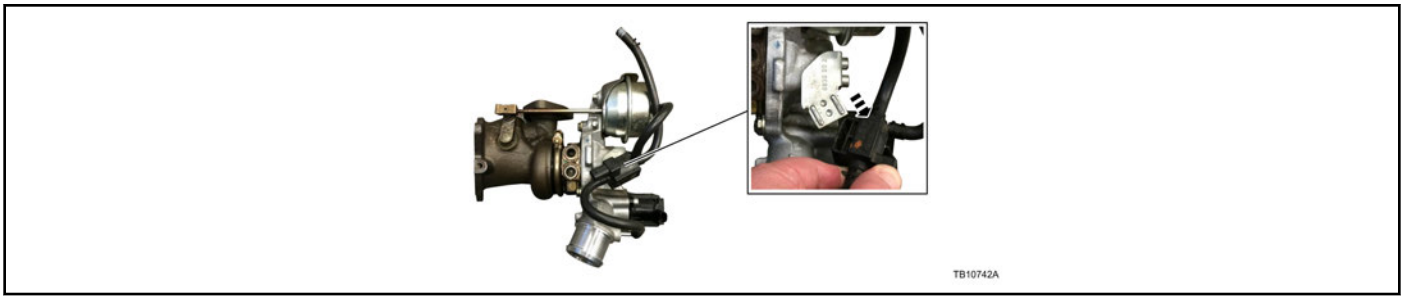


Figure 1 - Article 15-0162

   a. Disconnect the solenoid hoses and connectors from the turbocharger assembly.
   b. Install the solenoid assembly and reattach the solenoid hoses to the turbocharger.
      (1) Make sure the solenoid hoses are installed completely and the clamps are centered on the wastegate solenoid hose barbs.

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c. Reconnect the solenoid connectors.

5. Reinstall the engine front undershield. Refer to WSM, Section 501-02.

PART NUMBER	PART NAME
CJ5Z-9K378-B	Turbocharger Wastegate Regulating Valve Solenoid

OPERATION	DESCRIPTION	TIME
150162A	2013-2014 Fusion, 2014-2016 Fiesta, 2013-2016 Escape 1.6L: Diagnose And Replace The Turbocharger Wastegate Regulating Valve Solenoid (Do Not Use With Any Other Labor Operations)	0.6 Hr.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9K378	42

1.6L GTDI - SERVICE ENGINE SOON LIGHT - DTC P26B7 - BUILT ON OR BEFORE 2/13/2013	TSB 16-0052

FORD:

2013 Escape

This article supersedes TSB **13-2-15** to update the Service Procedure and Service Labor Time Standards.

ISSUE

Some 2013 Escape vehicles equipped with 1.6L Gasoline Turbocharged Direct Injection (GTDI) engine built on or before 2/13/2013 may exhibit a service engine soon lamp illuminated with diagnostic trouble code (DTC) P26B7 stored in powertrain control module (PCM) memory. This DTC indicates a fault is present with coolant bypass solenoid C, located at the rear of the engine above the starter/bell housing and below the vacuum pump.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Using the Ford Integrated Diagnostic System (IDS) service tool or equivalent scan tool, retrieve continuous memory DTCs. Is DTC P26B7 present in PCM memory?
   a. Yes - proceed to Steps 2.
   b. No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
2. Replace the engine coolant bypass valve with a new service part. Refer to Workshop Manual (WSM), Section 303-03.
3. Reprogram the PCM to the latest calibration using IDS release 83.03 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates. Calibration files may also be obtained at www.motorcraft.com.

NOTE: ADVISE THE CUSTOMER THAT THIS VEHICLE IS EQUIPPED WITH AN ADAPTIVE TRANSMISSION SHIFT STRATEGY WHICH ALLOWS THE VEHICLE'S COMPUTER TO LEARN THE TRANSMISSION'S UNIQUE PARAMETERS AND IMPROVE SHIFT QUALITY. WHEN THE ADAPTIVE STRATEGY IS RESET, THE COMPUTER WILL BEGIN A RE-LEARNING PROCESS. THIS RE-LEARNING PROCESS MAY RESULT IN FIRMER THAN NORMAL UPSHIFTS AND DOWNSHIFTS FOR SEVERAL DAYS.

PART NUMBER	PART NAME
BM5Z-18495-C	Engine Coolant Bypass Valve

OPERATION	DESCRIPTION	TIME
160052A	2013 Escape 1.6L GTDI: Check DTCs And Replace The Engine Coolant Bypass Valve Includes Time To Reprogram The PCM And Clear Codes (Do Not Use With Any Other Labor Operations)	1.7 Hrs.

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.

DEALER CODING

NOTE: The information contained 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, Lincoln, or Mercury 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 supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

BASIC PART NO.	CONDITION CODE
18495	42

HARD START/NO START/LOSS OF ENGINE RPM AFTER REFUELING - BUILT ON OR BEFORE 11/9/2013	TSB 16-0075

FORD:

2013 Escape

2013-2014 Fusion

LINCOLN:

2013-2014 MKZ

ISSUE

Some 2013 Escape, 2013-2014 Fusion and MKZ vehicles built on or before 11/9/2013 may exhibit a hard start, no start and/or a loss of engine RPM after refueling. Some vehicles may also exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P1450 and/or P0456 stored in powertrain control module (PCM) memory.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

Replace the evaporative emission canister purge valve. Refer to Workshop Manual (WSM), Section 303-13.

PART NUMBER	PART NAME
GG9Z-9D289-C	Evaporative Emission Canister Purge Valve - Fusion/MKZ 1.5L
DG9Z-9D289-G	Evaporative Emission Canister Purge Valve - Fusion/MKZ 1.6L
DG9Z-9D289-D	Evaporative Emission Canister Purge Valve - Fusion/MKZ 2.0L
CV6Z-9D289-B	Evaporative Emission Canister Purge Valve - Escape 1.6L
CV6Z-9D289-R	Evaporative Emission Canister Purge Valve - Escape 2.0L

OPERATION	DESCRIPTION	TIME
160075A	2014 Fusion 1.5 GTDI, 2013-2014 Fusion 1.6L: Retrieve DTCs And Replace The Evaporative Emission Canister Purge Valve (Do Not Use With Any Other Labor Operations)	0.5 Hr.
160075A	2013 Escape 1.6L GTDI: Retrieve DTCs And Replace The Evaporative Emission Canister Purge Valve (Do Not Use With Any Other Labor Operations)	0.8 Hr.
160075A	2013 Escape 2.0L GTDI: Retrieve DTCs And Replace The Evaporative Emission Canister Purge Valve (Do Not Use With Any Other Labor Operations)	0.7 Hr.
160075A	2013-2014 Fusion/MKZ 2.0L GTDI: Retrieve DTCs And Replace The Evaporative Emission Canister Purge Valve (Do Not Use With Any Other Labor Operations)	1.0 Hr.

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.

NOTE: The information contained 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, Lincoln, or Mercury 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 supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

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DEALER CODING

BASIC PART NO.	CONDITION CODE
9D289	42

2.0L GTDI - ILLUMINATED MIL WITH DTC P2096 - BUILT ON 9/1/2012 AND THROUGH 8/1/2013	TSB 16-0101

FORD:

2013-2014 Escape, Focus, Fusion

LINCOLN:

2013-2014 MKZ

This article supersedes TSB **16-0031** to update the Parts List.

ISSUE

Some 2013-2014 Focus ST, Fusion, Escape and MKZ vehicles equipped with a 2.0L gasoline turbocharged direct injection (GTDI) engine and built on 9/1/2012 and through 8/1/2013 may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P2096 (post catalyst fuel trim system too lean bank 1) stored in powertrain control module (PCM) memory. This may be due to engine oil migrating from the variable valve timing (VVT) oil control solenoids through the engine wire harness to the catalyst monitor sensor (CMS).

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Connect the Integrated Diagnostic System (IDS) service tool or equivalent scan tool and check for DTCs. Is DTC P2096 present?
   a. Yes - proceed to Step 2.
   b. No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
2. Disconnect the electrical connectors at the VVT oil control solenoids and the CMS. Refer to the Workshop Manual (WSM), Section 303-14.
3. Visually inspect the VVT oil control solenoid connector and the CMS connector for signs of engine oil using a paper towel for verification. Is oil contamination present inside one or more connectors?
   a. Yes - proceed to Step 4.
   b. No - this article does not apply. Refer to the PC/ED manual for normal diagnostics.
4. Replace the VVT oil control solenoids, CMS and wiring harness. Refer to WSM, Section 303-14. For wiring harness replacement perform the following:
   a. Remove the air cleaner. Refer to WSM, Section 303-12.
   b. Remove cowl panel grille. Refer to WSM, Section 501-02.
   c. For Focus ST, remove the PCM. Refer to WSM, Section 303-14.
   d. For Fusion, Escape and MKZ vehicles equipped with all wheel drive (AWD), remove the rear driveshaft. Refer to WSM, Section 205-01.
5. Clear all DTCs.

PART NUMBER	PART NAME
CU5Z-12A581-MA	Wiring Harness - (2013 Focus ST)

NOTE: The information contained 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, Lincoln, or Mercury 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 supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

PART NUMBER	PART NAME
DU5Z-12A581-CA	Wiring Harness - (2013-2014 (Fusion/MKZ)
CU5Z-12A581-J	Wiring Harness - (2013 Escape - Built On Or Before 6/2/2013)
EU5Z-12A581-A	Wiring Harness - (2013-2014 Escape - Built On Or After 6/3/2013)
CM5Z-9G444-A	Sensor - Catalyst Monitor - (Focus)
CV6Z-9G444-B	Sensor - Catalyst Monitor - (Fusion/MKZ/Escape)
CJ5Z-6M280-A,	Solenoid - Variable Camshaft Timing
CB5Z-12A402-A	Boot - Coil
BB5Z-6584-A	Gasket - Valve Cover
BR3Z-6C535-B	Seal - Variable Camshaft Timing
W712154-S439	Bolt - Rear Driveshaft Center Bearing - (Fusion/MKZ AWD) - 2 Required
5F9Z-4682-AA	Bolt - Rear Driveshaft Bolt With Washer - (Fusion/MKZ/Escape AWD) - 6 Required
W711806-S442	Bolt - Rear Driveshaft Center Bearing - (Escape AWD) - 4 Required
XL-1	Motorcraft® Penetrating And Lock Lubricant
XL-2	Motorcraft® High Temperature Nickel Anti-Seize Lubricant
TA-30	Motorcraft® Silicone Gasket and Sealant
ZC-31-B	Motorcraft® Metal Surface Prep Wipes

OPERATION	DESCRIPTION	TIME
160101A	2013-2014 Escape 4X4 2.0L GTDI: Diagnose And Replace The VVT Oil Control Solenoids, CMS And Engine Wiring Harness (Do Not Use With Any Other labor Operations)	4.4 Hrs.
160101A	2013-2014 Fusion And MKZ FWD 2.0L GTDI: Diagnose And Replace The VVT Oil Control Solenoids, CMS And Engine Wiring Harness (Do Not Use With Any Other labor Operations)	2.4 Hrs.
160101A	2013-2014 Fusion And MKZ AWD 2.0L GTDI: Diagnose And Replace The VVT Oil Control Solenoids, CMS And Engine Wiring Harness (Do Not Use With Any Other labor Operations)	2.9 Hrs.
160101A	2013-2014 Focus 2.0L GTDI: Diagnose And Replace The VVT Oil Control Solenoids, CMS And Engine Wiring Harness (Do Not Use With Any Other labor Operations)	3.8 Hrs.
160101A	2013-2014 Escape 4X2 2.0L GTDI: Diagnose And Replace The VVT Oil Control Solenoids, CMS And Engine Wiring Harness (Do Not Use With Any Other labor Operations)	4.0 Hrs.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
6M280	42

Michael A. Berardi
Director
Service Engineering Operations
Ford Customer Service Division

Ford Motor Company
P. O. Box 1904
Dearborn, Michigan 48121

January 23, 2014

TO: All U.S. Ford and Lincoln Dealers

SUBJECT: **DEMONSTRATION / DELIVERY HOLD / DO NOT DRIVE - SAFETY RECALL 12S35**
Supplement #3
Certain 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Fuel Jumper Line Replacement

REF: **DEMONSTRATION / DELIVERY HOLD / DO NOT DRIVE - SAFETY RECALL 12S35**
Supplement #2
Dated July 23, 2012

New! *REASON FOR THIS SUPPLEMENT*

Provide dealers with:

- *Updated repair instructions.*
- *Updated parts requirements.*

AFFECTED VEHICLES

Certain 2013 model year Escape vehicles equipped with a 1.6L engine built at the Louisville Assembly Plant from Job 1 through July 11, 2012. Affected vehicles are identified in OASIS. In addition, for a list of vehicles assigned to your dealership, visit [redacted]. This information was available on July 18, 2012.

REASON FOR THIS SAFETY RECALL

In some of the affected vehicles, a fuel jumper line between the body mounted fuel line and the rear of the engine may have been damaged during the manufacturing process. If the fuel line is damaged, a significant fuel leak may occur without warning. A fuel leak in the presence of an ignition source may result in a fire.

SERVICE ACTION

AFFECTED VEHICLES ARE NOT TO BE DRIVEN UNTIL THIS REPAIR HAS BEEN PERFORMED.
Once within dealership property, vehicles can be driven at low speeds directly from the servicing dealer lot into the service bay. The HVAC (blower motor) should be turned off and windows down. If you notice any fuel odor, warning lights, overheat, or loss-of-power, the vehicle should not be driven.

Dealers are to replace the fuel jumper line. In addition, as a quality assurance action unrelated to the fuel line, dealers are to inspect the Positive Crankcase Ventilation (PCV) hose connection to the Air Induction System and confirm that it is properly installed.

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Stock Vehicles:
Repairs must be performed before demonstrating, delivering, or driving any of the affected vehicles.

Sold Vehicles:
Dealers are to provide rental transportation to owners of affected vehicles and coordinate towing of their vehicle to the dealership.

OWNER NOTIFICATION MAILING SCHEDULE

Owner Letters were mailed on July 20, 2012. Dealers should repair any affected vehicles that arrive at their dealerships, whether or not the customer has received a letter.

PLEASE NOTE:

Federal law requires dealers to complete this recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to $6,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.

New! ATTACHMENTS

Attachment I:	Administrative Information
Attachment II:	*Labor Allowances and Parts Ordering Information*
Attachment III:	*Technical Information*
Attachment IV:	Dealer Q & A
Owner Notification Letter	

QUESTIONS & ASSISTANCE

Special Service Support Center (Dealer Assistance Only) 1-800-325-5621

Sincerely,

[redacted]

Michael A. Berardi

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DEMONSTRATION / DELIVERY HOLD / DO NOT DRIVE
SAFETY RECALL 12S35 - *Supplement #3*
Certain 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Fuel Jumper Line Replacement

OASIS ACTIVATED?

Yes, OASIS was activated on July 18, 2012.

FSA VIN LIST ACTIVATED?

Yes, FSA VIN list was available through [redacted] on July 18, 2012. Owner names and addresses were available *on July 19, 2012.*

NOTE: Your FSA VIN list may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall.

STOCK VEHICLES

VEHICLES ARE NOT TO BE DRIVEN UNTIL THIS REPAIR HAS BEEN PERFORMED.

Correct all affected vehicles in your new vehicle inventory before delivery.

SOLD VEHICLES

VEHICLES ARE NOT TO BE DRIVEN UNTIL THIS REPAIR HAS BEEN PERFORMED.

- Dealers are encouraged to proactively contact owners of affected vehicles to make rental and affected vehicle towing arrangements. Concurrently, Ford Motor Company Customer Service Managers (CSMs) will conduct an outbound call process to contact affected owners and coordinate logistics with your dealership.
- Special Handling Instructions apply to this recall. Refer to “Special Handling Instructions” in Attachment I for details.
- Immediately contact any of your affected customers whose vehicles are not on your VIN list but are identified in OASIS.

TITLE BRANDED / SALVAGED VEHICLES

Affected title branded and salvaged vehicles are eligible for this recall.

RELATED DAMAGE

If a related damage condition exists that you believe to be caused by the covered condition, call the Special Service Support Center to request approval **prior** to the repair of any related damage. Requests for approval after completion of the repair will not be granted. Ford Motor Company reserves the right to deny coverage for related damage in cases where the vehicle owner has not had this recall performed on a timely basis.

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DEMONSTRATION / DELIVERY HOLD / DO NOT DRIVE
SAFETY RECALL 12S35 - *Supplement #3*
Certain 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Fuel Jumper Line Replacement

ADDITIONAL LABOR TIME

- If a condition exists that requires additional labor to complete the repair, call the Special Service Support Center to request approval **prior** to performing any additional labor. Requests for approval after completion of the repair will not be granted.
- If you encounter aftermarket equipment or modifications to the vehicle which might prevent the repair of the covered condition, call the Special Service Support Center.

OWNER REFUNDS

Refunds are not authorized for this program.

TOWING

- 2013 Escapes can be towed as follows:
  - 4WD must be towed with all 4 wheels off the ground (flatbed or dolly).
  - FWD can be towed with the front wheels off the ground or on a dolly.
- A Special Roadside Assistance phone number is available 24 hours a day at 866-373-7095 to assist with 12S35 vehicle transportation needs.
- Towing is only reimbursable for transporting the vehicle to the dealership.

RENTAL VEHICLES

- Dealers are to provide owners of affected vehicles with rental transportation, including drop-off and pick-up service at the location of their preference.
- Ford Motor Company will provide reimbursement for rental vehicle costs of $36 per day, plus tax and insurance, for up to 10 days. Rental reimbursement will be provided from the time the rental vehicle is dropped off, while repairs are completed, and the owner's vehicle is returned to them. Prior approval for additional rental days or special rental needs is required from the Special Service Support Center (1-800-325-5621).
- Traveling owners may incur additional rental fees for one-way rentals, which are also reimbursable under this FSA.
- Rental vehicle days for this FSA will NOT be removed from dealer's TAP allocation/budget.

NOTE: Dealers may need to use their shuttles or demo vehicles to pick a customer up and take them to the local rental car agency if a rental can't be delivered to the customer. This service is included as part of the $300 Special Handling compensation.

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DEMONSTRATION / DELIVERY HOLD / DO NOT DRIVE
SAFETY RECALL 12S35 *- Supplement #3*
Certain 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Fuel Jumper Line Replacement

SPECIAL HANDLING INSTRUCTIONS

Dealers are authorized to:

- Pick-up the customer's vehicle at the location of their preference, such as their home or place of business. **VEHICLES ARE NOT TO BE DRIVEN. Affected vehicles must be towed to the dealership.**
- Deliver a comparable rental vehicle.
- Wash and vacuum the customer's vehicle.
- Top-off the fuel tank.
- Return the vehicle to the owner after repairs are completed.
- Pick-up the rental vehicle.

Dealer compensation:

Dealers are authorized to claim $300 (in addition to rental and towing costs) to cover the following:

- Delivery and pick up of the rental vehicle to the location of the customer's preference.
- Top-off of the fuel tank.
- Wash and vacuum the vehicle.

CLAIMS PREPARATION AND SUBMISSION

- Enter claims using Direct Warranty Entry (DWE).
- Refer to ACESII manual for claims preparation and submission information.
- Related damage must be claimed on a repair line that is separate from the repair line on which the FSA is claimed. Related damage requires prior approval from the Special Service Support Center.
- "MT" labor should be submitted on a separate repair line with the related damage flag checked. "MT" labor requires prior approval from the Special Service Support Center.
- For rental vehicle claiming, enter the total amount as Miscellaneous Expense code "RENTAL" on the same line as the repair.
- For claiming towing reimbursement, enter the total amount as Miscellaneous Expense code "TOW" on the same line as the repair.
- For claiming the Special Handling Allowance, enter $300 as Miscellaneous Expense Code "SCHP" on the same line as the repair.

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DEMONSTRATION / DELIVERY HOLD / DO NOT DRIVE
SAFETY RECALL 12S35 *- Supplement #3*
Certain 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Fuel Jumper Line Replacement

LABOR ALLOWANCES

Description	Labor Operation	Labor Time
Replace Fuel Jumper Line. Inspect, and if necessary, reinstall PCV Hose connection.	12S35B	0.5 Hours

New! *PARTS REQUIREMENTS / ORDERING INFORMATION*

Part Number	*Description*	*Quantity*
CV6Z-9J280-F	*Fuel Line Jumper*	*1*

The DOR/COR number for this recall is 50477.

To manage part availability, dealers must contact the Special Service Support Center Parts Order Line at 1-800-207-2444 to order a Fuel Line Jumper (if required).

When calling to place an order for a Fuel Line Jumper, please be prepared to provide dealer P&A code, VIN, RO# and Vehicle Mileage.

Dealers will be notified via a DOES II communication if circumstances warrant a change in part supply strategy and when open ordering resumes.

Questions regarding parts should be directed to the Special Service Support Center Parts Order Line (1-800-207-2444) or E-mailed to: Ford@Renkim.com.

DEALER PRICE

For latest prices, refer to DOES II.

PARTS RETENTION AND RETURN

Follow the provisions of the Warranty and Policy Manual for “Parts Retention and Return Procedures.”

EXCESS STOCK RETURN

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

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Michael A. Berardi
Director
Service Engineering Operations
Ford Customer Service Division

Ford Motor Company
P. O. Box 1904
Dearborn, Michigan 48121

September 5, 2012

TO: All U.S. Ford and Lincoln Dealers

SUBJECT: **Demonstration / Delivery Hold - Safety Recall 12S39**
Certain 2013 Model Year Escape Vehicles equipped with a 1.6L Engine
Cylinder Head Cup Plug Repair

AFFECTED VEHICLES

Certain 2013 model year Escape vehicles equipped with a 1.6L Engine built at the Louisville Assembly Plant from Job #1, 2012 through August 31, 2012. Affected vehicles are identified in OASIS. In addition, for a list of vehicles assigned to your dealership, visit [redacted]. This information will be available on September 5, 2012.

REASON FOR THIS SAFETY RECALL

On some of the affected vehicles, it is possible that an engine cylinder head cup plug was not properly seated and may dislodge, resulting in a rapid loss of the engine coolant. Unique to this engine configuration, it is possible that a rapid loss of coolant in this area could result in a combustible glycol concentration near hot engine components and create a risk of fire.

SERVICE ACTION

Before demonstrating or delivering any of the vehicles involved in this recall, dealers are to install a secondary cylinder head plug over the original cup plug located between the cylinder #2 spark plug and cylinder #3 fuel injector. This service must be performed on all affected vehicles at no charge to the vehicle owner.

OWNER NOTIFICATION MAILING SCHEDULE

Owner Letters are expected to be mailed the week of September 10, 2012. Dealers should repair any affected vehicles that arrive at their dealerships, whether or not the customer has received a letter.

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PLEASE NOTE:

Federal law requires dealers to complete this recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to $6,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.

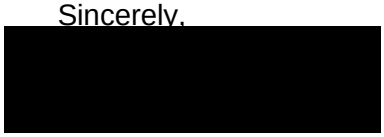
ATTACHMENTS

Attachment I: Administrative Information
Attachment II: Labor Allowances and Parts Ordering Information
Attachment III: Technical Information
Owner Notification Letter

QUESTIONS & ASSISTANCE

Special Service Support Center (Dealer Assistance Only) 1-800-325-5621
Special Service Support Center (Parts Ordering) 1-800-207-2444

Sincerely,



Michael A. Berardi

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Demonstration / Delivery Hold - Safety Recall 12S39
Certain 2013 Model Year Escape Vehicles equipped with a 1.6L Engine
Cylinder Head Cup Plug Repair

OASIS ACTIVATED?

Yes, OASIS will be activated on September 5, 2012.

FSA VIN LIST ACTIVATED?

Yes, FSA VIN list will be available through [redacted] on September 5, 2012. Owner names and addresses will be available by September 21, 2012.

NOTE: Your FSA VIN list may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall.

STOCK VEHICLES

Correct all affected units in your new vehicle inventory before delivery.

SOLD VEHICLES

- Owners of affected vehicles will be directed to dealers for repairs.
- Immediately contact any of your affected customers whose vehicles are not on your VIN list but are identified in OASIS. Give the customer a copy of the Owner Notification Letter (when available) and schedule a service date.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.

TITLE BRANDED / SALVAGED VEHICLES

Affected title branded and salvaged vehicles are eligible for this recall.

RELATED DAMAGE

If a related damage condition exists that you believe to be caused by the covered condition, call the Special Service Support Center to request approval **prior** to the repair of any related damage. Requests for approval after completion of the repair will not be granted. Ford Motor Company reserves the right to deny coverage for related damage in cases where the vehicle owner has not had this recall performed on a timely basis.

ADDITIONAL LABOR TIME

- If a condition exists that requires additional labor to complete the repair, call the Special Service Support Center to request approval **prior** to performing any additional labor. Requests for approval after completion of the repair will not be granted.
- If you encounter aftermarket equipment or modifications to the vehicle which might prevent the repair of the covered condition, call the Special Service Support Center.

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Demonstration / Delivery Hold - Safety Recall 12S39
Certain 2013 Model Year Escape Vehicles equipped with a 1.6L Engine
Cylinder Head Cup Plug Repair

RENTAL VEHICLES

With proper parts ordering and service appointment scheduling, rental vehicles should not be required. However, if you have a unique circumstance which may require a rental vehicle, please contact the Special Service Support Center at 1-800-325-5621.

CLAIMS PREPARATION AND SUBMISSION

- Enter claims using Direct Warranty Entry (DWE).
- Refer to ACESII manual for claims preparation and submission information.
- Related damage must be claimed on a repair line that is separate from the repair line on which the FSA is claimed. Related damage requires prior approval from the Special Service Support Center.
- "MT" labor should be submitted on a separate repair line with the related damage flag checked. "MT" labor requires prior approval from the Special Service Support Center.
- **Provision for Secondary Cup Plug Repair:** Includes Loctite® 290, Loctite® 638, cotton swabs, Motorcraft PM-4-A Metal Brake Parts Cleaner or Alcohol (minimum 60% concentration), and oil free cleaning cloth. Submit on the same repair line as the repair. Applies to Labor Operation 12S39B.
    - Program Code: …….. 12S39
    - Misc. Expense Code: …….OTHER
    - Misc. Expense Amount: ... $ 5.00

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Demonstration / Delivery Hold - Safety Recall 12S39
Certain 2013 Model Year Escape Vehicles equipped with a 1.6L Engine
Cylinder Head Cup Plug Repair

LABOR ALLOWANCES

Description	Labor Operation	Labor Time
Install Secondary Cylinder Head Plug	12S39B	1.5 Hours

NOTE: Vehicles cannot be started/driven for 2 hours after repair.

PARTS REQUIREMENTS / ORDERING INFORMATION

SEED STOCK PLAN: A one-time shipment of secondary cylinder head plugs to repair approximately 50% of affected vehicles will be shipped to dealers the week of September 3, 2012. Every dealer having a vehicle on their VIN list will receive at least one part.

ADDITIONAL PARTS: For additional parts, contact the Special Service Support Center Parts Order Line at 1-800-207-2444. When calling to place an order for a Secondary Cylinder Head Plug, please be prepared to provide dealer P&A code, Repair Order number and VIN.

Dealers will receive a DOES II message when part requirements can be ordered through normal order processing channels.

Part Number	Description	Quantity
BM5Z-00933-A	Secondary Cylinder Head Plug	1

In addition, dealers are to procure the following supplies locally for this repair:

Part / Supply	Quantity
Motorcraft PM-4-A Metal Brake Parts Cleaner OR Isopropyl Alcohol (60% minimum concentration)	As required per repair
Loctite® 290 (Wicking Sealant)	As required per repair
******Loctite® 638 (Retaining Compound)	******As required per repair
Cotton Swabs	3 each per repair
Oil Free Cleaning Cloth	1 each per repair

****NOTE:** One 10mL bottle of Loctite® 638 (enough to repair approximately 20 vehicles) will be shipped to dealers having two or more vehicles on their VIN List. This will be shipped to the attention of the Service Manager the week of September 3, 2012. Any additional needs for Loctite® 638 should be procured locally. If unable to obtain locally, call Special Service Support Center Parts Order Line (1-800-207-2444) and request a bottle while supplies last.

The DOR/COR number for this recall is 50483.

Questions regarding parts should be directed to the Special Service Support Center Parts Order Line (1-800-207-2444) or E-mailed to: Ford@Renkim.com.

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Demonstration / Delivery Hold - Safety Recall 12S39
Certain 2013 Model Year Escape Vehicles equipped with a 1.6L Engine
Cylinder Head Cup Plug Repair

DEALER PRICE

For latest prices, refer to DOES II.

EXCESS STOCK RETURN

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

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Michael A. Berardi
Director
Service Engineering Operations
Ford Customer Service Division

Ford Motor Company
P. O. Box 1904
Dearborn, Michigan 48121

December 19, 2012

TO: All U.S. Ford and Lincoln Dealers

SUBJECT: **STOP SALE / DEMONSTRATION / DELIVERY HOLD - SAFETY RECALL 12S41**
Supplement #5
All 2013 Model Year Escape and Fusion Vehicles Equipped with a 1.6L Engine
Risk of Overheating that May Result in Engine Fires

REF: **STOP SALE / DEMONSTRATION / DELIVERY HOLD - SAFETY RECALL 12S41**
Supplement #4 Dated December 15, 2012

New! *REASON FOR THIS SUPPLEMENT*

- *Inform dealers that prior approval is no longer necessary for related damage or additional (MT) time.*
- *Inform dealers that when parts are in short supply that customer vehicles should be prioritized for repairs. Ford is aware that there are some shortages, and is working to make parts available for these vehicles as soon as possible.*

AFFECTED VEHICLES

All 2013 Model Year Escape vehicles equipped with a 1.6L engine built at the Louisville Assembly Plant from Job 1 through November 26, 2012, and all 2013 Model Year Fusion vehicles equipped with a 1.6L engine built at the Hermosillo Assembly Plant from Job 1 through November 29, 2012. Affected vehicles are identified in OASIS. In addition, for a list of vehicles assigned to your dealership, visit [redacted] This information will be available on November 30, 2012.

REASON FOR THIS SAFETY RECALL

In some of the affected vehicles, engine overheating can lead to fluid leaks that may come into contact with the hot exhaust system, resulting in a fire.

Prior to a fire, engine overheating may be indicated by any of the following instrument cluster messages:

- “Power reduced to lower temperature”
- “High engine temperature Stop safely”
- “Engine Coolant Overtemperature”

The instrument cluster may also sound a chime and illuminate a red Engine Coolant Temperature indicator.

New! *PARTS SHORTAGES AND PRIORITIZING CUSTOMER REPAIRS*

Ford is aware of some service parts that are on back order or in short supply for the affected vehicles. Ford is working to correct these shortages and prevent additional shortages as soon as possible. This will require that order restrictions be placed on some parts. Customer vehicle repairs will be prioritized over dealer stock. Additional rental days for parts delays may be claimed under Program Code 12Y01.

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SERVICE ACTION

Before selling or demonstrating any of the vehicles involved in this recall, dealers are to:

- Check for diagnostic trouble codes.
- Reprogram the Powertrain Control Module (PCM) and the Instrument Panel Cluster (IPC):
  - Escape vehicles: Using IDS version 82.02A or later - available immediately
  - Fusion vehicles: Using IDS version 82.02B or later - available immediately
- Check for engine fluid leaks.

This service must be performed at no cost to the vehicle owner.

AFFECTED VEHICLES ARE NOT TO BE SOLD OR DEMONSTRATED

Stock Vehicles:
Dealers are to hold all stock vehicles until repairs are performed.

Sold Vehicles:
Dealers are to perform this service action as soon as possible and return vehicles to customers. All rental vehicles should be returned when the customer picks up their vehicle. A provision to wash and fill the customer vehicle with fuel is being added (see claims preparation and submission in Attachment II for claiming instructions).

OWNER NOTIFICATION MAILING SCHEDULE

Initial owner mailing occurred the week of December 3, 2012. A second mailing notifying owners that a service fix is available will occur the week of December 17, 2012. We encourage dealers to use their VIN list to call all affected owners as soon as possible and advise them that repair procedures are available. Dealers should repair any affected vehicles that arrive at their dealerships, whether or not the customer has received a letter

PLEASE NOTE:

Federal law requires dealers to complete a recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to $6,000 per vehicle. Hold all vehicles in your vehicle inventory until further instructions are provided.

New! ATTACHMENTS

Attachment I:	*Administrative Information*
Attachment II:	Labor Allowances and Parts Ordering Information
Attachment III:	Technical Information
Attachment V:	Dealer Q & A

Owner Notification Letter (when available)

QUESTIONS & ASSISTANCE

Special Service Support Center (Dealer Assistance Only) 1-800-325-5621

Sincerely,

[redacted]

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STOP SALE / DEMONSTRATION / DELIVERY HOLD SAFETY RECALL 12S41 *Supplement #5*
All 2013 Model Year Escape and Fusion Vehicles Equipped with a 1.6L Engine
Risk of Overheating that May Result in Engine Fires

OASIS ACTIVATED?

Yes, OASIS will be activated on November 30, 2012.

FSA VIN LIST ACTIVATED?

Yes, FSA VIN list will be available through [redacted] on November 30, 2012. Owner names and addresses will also be available on November 30, 2012.

NOTE: Your FSA VIN list may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall.

STOCK VEHICLES

- Correct all affected units in your new vehicle inventory before delivery.

SOLD VEHICLES

- Owners of affected vehicles will be directed to dealers for repairs.
- Dealers are encouraged to proactively contact owners of affected vehicles to make arrangements for repairs, and if necessary, return of all rental vehicles as soon as possible.
- Special Handling instructions apply to sold vehicles in the recall. Refer to “Special Handling Allowance” for details.
- Immediately contact any of your affected customers whose vehicles are not on your VIN list but are identified in OASIS.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.

TITLE BRANDED / SALVAGED VEHICLES

Affected title branded and salvaged vehicles are eligible for this recall.

New! RELATED DAMAGE

Effective immediately, prior approval is not required for related damage.

New! ADDITIONAL LABOR TIME

Effective immediately, prior approval is not required for additional labor time.

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STOP SALE / DEMONSTRATION / DELIVERY HOLD SAFETY RECALL 12S41 *Supplement #5*
All 2013 Model Year Escape and Fusion Vehicles Equipped with a 1.6L Engine
Risk of Overheating that May Result in Engine Fires

OWNER REFUNDS

Alternate transportation refunds will be covered if the customer arranged for their own rental beginning November 30, 2012.

RENTAL VEHICLES / ALTERNATE TRANSPORTATION ARRANGEMENTS

Customers Already In Rentals

The use of long term rental vehicles should no longer be necessary for Escape or Fusion owners. Dealers should repair customer vehicles as soon as possible and contact customers to return rental vehicles.

Customers Coming in for Repair After the Service Fix Is Available

Rentals for up to three days at up to $55 a day, which includes tax and damage waiver, will be allowed through January 2, 2013 to help clear out vehicles being held. Owners may drive their vehicle to the dealership for repair and should not need a rental if the vehicle can be repaired the same day.

Prior approval for all rentals after January 2, 2013, is required from the Special Service Support Center (1-800-325-5621).

SPECIAL HANDLING ALLOWANCE (Applies to sold vehicles only)

Dealers are authorized to:

- Wash and vacuum the customer's vehicle
- Top-off the fuel tank

Dealers are authorized to claim $75 to cover the above special handling actions.

TOWING (If required):

2013 Escapes and Fusion vehicles can be towed as follows:

- 4WD and AWD vehicles must be towed with all 4 wheels off the ground (flatbed or dolly).
- FWD vehicles can be towed with the front wheels off the ground or on a dolly.
- Towing is only reimbursable for transporting the vehicle to the dealership.
- A Special Roadside Assistance phone number is available 24 hours a day at 866-373-7095 to assist with 12S41 vehicle transportation needs.

RENTAL TRACKING AND ALLOWANCE

The allowance for rental tracking should no longer be claimed after December 15, 2012. Long term rental should not be required once a service repair is available.

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STOP SALE / DEMONSTRATION / DELIVERY HOLD SAFETY RECALL 12S41 *Supplement #5*
All 2013 Model Year Escape and Fusion Vehicles Equipped with a 1.6L Engine
Risk of Overheating that May Result in Engine Fires

CLAIMS PREPARATION AND SUBMISSION

- Enter claims using Direct Warranty Entry (DWE).
- Refer to ACESII manual for claims preparation and submission information.
- Related damage must be claimed on a repair line that is separate from the repair line on which the FSA is claimed.
- "MT" labor should be submitted on a separate repair line with the related damage flag checked.
- For Recall repairs use Program Code 12S41 along with appropriate labor operations from Attachment II.
- Claiming for towing, rental (long & short term), owner alternate transportation refunds, and special handling (wash, vacuum, & fuel): Use the following claiming instructions:
    - Program Code – 12Y01
        - RENTAL VEHICLES: Enter the total amount as Miscellaneous Expense code "RENTAL".
        - TOWING REIMBURSEMENT: Enter the total amount as Miscellaneous Expense code "TOW".
        - OWNER INIATIATED ALTERNATE TRANSPORTATION REFUND: Enter the total amount as Miscellaneous Expense code "REFUND".
        - SPECIAL HANDLING: Enter $75 as Miscellaneous Expense code "SCHP".
    - It is not necessary to close and reopen all rental claims by December 31, 2012 as stated in Supplement I. Claims should be filed as soon as possible within normal submission timing guidelines.
- Claiming for arranging long-term alternate transportation/rental (Not valid for repair dates after December 15, 2012):
    - Dealers will be paid 0.2 hours handling allowance
    - Claims should be submitted as soon as the customer is provided the rental vehicle. Use the following claiming instructions:
        - Program Code - 62M41
        - Labor Operation 62M41B - 0.2 Hours
        - Repair Date should be the date the customer took delivery of the rental vehicle.
        - **Please file claim as soon as possible so that Ford can track vehicles that have been taken out of service.**

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STOP SALE / DEMONSTRATION / DELIVERY HOLD SAFETY RECALL 12S41 *Supplement #5*
All 2013 Model Year Escape and Fusion Vehicles Equipped with a 1.6L Engine
Risk of Overheating that May Result in Engine Fires

LABOR ALLOWANCES

Description	Labor Operation	Labor Time
Escape - Retrieve DTCs, Reprogram PCM & IPC, and inspect for fluid leaks	12S41B	1.4 Hour(s)
Fusion - Retrieve DTCs, Reprogram PCM & IPC, and inspect for fluid leaks	12S41C	1.2 Hour(s)

PARTS REQUIREMENTS / ORDERING INFORMATION

Parts are not required to complete this repair.

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Michael A. Berardi
Director
Service Engineering Operations
Ford Customer Service Division

Ford Motor Company
P. O. Box 1904
Dearborn, Michigan 48121

September 22, 2014

TO: All U.S. Ford and Lincoln Dealers

SUBJECT: STOP SALE / DEMONSTRATION / DELIVERY HOLD
Safety Recall 13S12 – *Supplement #3*
All 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Risk of Localized Overheating of the Engine Cylinder Head that May Lead to Oil Leak Fires

REF: **STOP SALE / DEMONSTRATION / DELIVERY HOLD – Supplement #2**
Dated April 9, 2014

New! *REASON FOR THIS SUPPLEMENT*

- *Provide additional repair instructions and part information to replace the Turbocharger Inlet Pipe on vehicles built from Job #1 through June 27, 2012.*
  NOTE: *Replacement of the Turbocharger Inlet Pipe on affected vehicles is not related to engine overheating or oil leak concerns. Replacement of the Turbocharger Inlet Pipe on affected vehicles previously repaired under 13S12 is not required.*
- *Remind dealers that all parts are available through normal ordering channels.*

AFFECTED VEHICLES

All 2013 model year Escape vehicles equipped with a 1.6L engine built at the Louisville Assembly Plant. Affected vehicles are identified in OASIS. In addition, for a list of vehicles assigned to your dealership, visit [redacted]. This information was made available on November 25, 2013.

REASON FOR THIS SAFETY RECALL

In all of the affected vehicles, localized overheating of the engine cylinder head may cause the cylinder head to crack causing an oil leak that may result in a fire in the engine compartment.

In a subset of the affected vehicles built through July 11, 2012; the service fuel line jumper installed during Safety Recall 12S35 may have been installed incorrectly. An improperly positioned fuel line jumper may chafe on other engine components over a period of time and leak fuel. A fuel leak in the presence of an ignition source may result in a fire.

New! SERVICE ACTION

Service parts and repair procedures are now available to address the concerns. Dealers will:

- Perform repairs following the technical information (Attachment III) that include enhancements to the engine shielding, cooling and control systems.
- ***Replace the Turbocharger Inlet Pipe on vehicles built from Job #1 through June 27, 2012.***
  - *Turbocharger Inlet Pipes on vehicles built from Job #1 through June 27, 2012 have resonator chambers that may contact the Cast Engine Shield after completion of 13S12 repairs. Over time, physical contact with the engine shield could result in a small air leak.*
    - *Turbocharger Inlet Pipes on vehicles built after June 27, 2012 do not have resonator chambers, and are not affected by this supplement.*

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SERVICE ACTION (Continued)

- If Program Code 13Y03 is open in OASIS, inspect the fuel line jumper for correct orientation and replace it only if it is not installed properly.

Additionally, some vehicles have been observed with an engine oil overfill condition that occurred during service when the oil capacity was not properly identified. A revised dip stick and label will be added to help with proper maintenance and improve customer satisfaction. Dealers will replace the dipstick and add an identification label to the engine cover.

Prepare your dealership to efficiently perform the repair.

- Review the repair procedures which include 14 modular sub-procedures as identified in the technical information (Attachment III).
- Identify technician(s) to perform the repairs.
- Watch the instructional video and become familiar with the technical instructions and parts.
- Up to 2.0 hours additional actual time is authorized to assist with the initial repairs.

OWNER NOTIFICATION MAILING SCHEDULE

Owners will be notified via first-class mail beginning the week of April 7, 2014 that parts are now available and to contact their dealer to schedule repairs. Dealers should repair any affected vehicles that arrive at their dealership, whether or not the customer has received a letter.

PLEASE NOTE:

Federal law requires dealers to complete this recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to $7,000 per vehicle. Correct all vehicles in your new vehicle inventory prior to delivery.

New! ATTACHMENTS

Attachment I:	Administrative Information
Attachment II:	*Labor Allowances and Parts Ordering Information*
Attachment III:	*Technical Information – Overheat Repair and Dipstick Replacement*
Attachment IV:	Technical Information – Inspection Check Sheet
Attachment V:	Technical Information – Fuel Line Jumper Inspection/Replacement

Owner Notification Letters
Video: Repair Overview & Procedure
Dealer Q & A

QUESTIONS AND ASSISTANCE

Customer Service Manager (Dealer Assistance Only)	1-866-631-3788
Customer Relationship Center (Customer Assistance Only)	1-800-392-3673
Special Service Support Center (Dealer Assistance Only)	1-800-325-5621
Special Service Support Center (Parts Order Line Only)	1-800-207-2444

Sincerely

[redacted]

Michael A. Berardi

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STOP SALE / DEMONSTRATION / DELIVERY HOLD – Safety Recall 13S12 – *Supplement #3*
All 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Risk of Localized Overheating of the Engine Cylinder Head that May Lead to Oil Leak Fires

OASIS ACTIVATED?

Yes, OASIS was activated on November 25, 2013.

Note: Escape vehicles that are open for Safety Recall 12S41 will be closed on March 24, 2014. Safety Recall 13S12 supersedes 12S41.

FSA VIN LIST ACTIVATED?

Yes, FSA VIN list was made available through [redacted] on November 25, 2013.

NOTE: Your FSA VIN list may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall.

CUSTOMER HANDLING

Some 2013 Escape owners may have experienced multiple recalls during their ownership experience. Based on this, there may be customers who require some extraordinary actions to be satisfied under the current situation. Ford has increased staff to assist you with customer handling. Contact your Customer Service Manager for customers requiring additional support:

- Call your Customer Service Manager directly at 1-866-631-3788, select 2 for dealership employees, enter P&A code, and select 1 to reach your Ford CSM, or
- Open an FMC360 case for your customer that will automatically be directed to your facing Customer Service Manager (CSM). The CSM will contact you within 2 hours to discuss the customer's unique handling requirements.

NOTE: We are NOT advising customers to stop driving their vehicles at this time. An improved control system was implemented both in production and in the field through the November 2012 recall (12S41) to reduce the potential for severe engine overheats, to detect severe overheats earlier, and to warn the driver to 'stop safely now.'

STOCK VEHICLES

- Correct all affected units in your new vehicle inventory before delivery.
- Use OASIS to identify any affected vehicles in your used vehicle inventory.

SOLD VEHICLES

- Owners of affected vehicles will be directed to dealers for repairs.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.

TITLE BRANDED / SALVAGED VEHICLES

- Affected title branded and salvaged vehicles are eligible for this recall.

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STOP SALE / DEMONSTRATION / DELIVERY HOLD – Safety Recall 13S12 – *Supplement #3*
All 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Risk of Localized Overheating of the Engine Cylinder Head that May Lead to Oil Leak Fires

RELATED DAMAGE

Related damage identified during the inspection in Procedure B (Attachment III) caused by coolant leaks or related to engine overheat, does not require prior approval from the Special Service Support Center. Follow the claiming instructions in this bulletin for related damage. Clarification of repairs considered related damage to 13S12 include:

- Any coolant leaks.
- Engine oil leaks due to a crack at the rear surface of the cylinder head above the exhaust manifold.
- Repairs required for Cooling System and Engine Misfire DTCs listed in Attachment III, Procedure B.
- Any other repairs that are the result of engine overheat.

Any repairs needed to address the issues noted above should be claimed as related damage, and do not need prior approval. Claim all other leaks (examples: engine oil other than from a crack at the rear of the cylinder head, transmission) identified during inspection that are not related to coolant or as the result of engine overheat under terms of the New Vehicle Limited Warranty coverage. If the vehicle is beyond the terms of New Vehicle Limited Warranty and you feel that the condition is related, contact the Special Service Support Center.

If a related damage condition exists that you believe to be caused by the covered condition but not clarified above, call the Special Service Support Center to request approval **prior** to the repair of any related damage. Requests for approval after completion of the repair will not be granted.

ADDITIONAL LABOR TIME

- Based upon the complexity of the repair, dealers are authorized to claim up to 2.0 hours actual time without contacting the Special Service Support Center for approval.
- Follow the Actual Time Usage Guidelines and Service Management Responsibilities as identified in the Warranty and Policy Manual.
- If you encounter aftermarket equipment or modifications to the vehicle which might prevent the repair of the covered condition, call the Special Service Support Center.

OWNER REFUNDS

Refunds are not authorized for this program.

RENTAL VEHICLES

Ford Motor Company will pay for up to two (2) days of vehicle rental. Follow Extended Service Plan (ESP) guidelines for dollar amounts. The daily rate can include applicable taxes but is not allowed to exceed the stated daily rate. Rental will only be reimbursed for the day(s) the vehicle is at the dealership for repair. Prior approval for more than two (2) rental days is required from the Special Service Support Center (1-800-325-5621).

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STOP SALE / DEMONSTRATION / DELIVERY HOLD – Safety Recall 13S12 – *Supplement #3*
All 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Risk of Localized Overheating of the Engine Cylinder Head that May Lead to Oil Leak Fires

SPECIAL HANDLING ALLOWANCE (Customer Vehicles Only)

After FSA repairs are completed on a vehicle, dealers will be provided an allowance to:

- Wash and vacuum the customer's vehicle,
- Top off the fuel tank, and/or
- Provide vehicle pick-up and/or delivery or cover additional rental expense exceeding ESP guidelines.

Dealers will be authorized to claim up to $75 to cover a combination of the above special handling actions as they choose.

CLAIMS PREPARATION AND SUBMISSION

NOTE: If 13Y03 is open in OASIS, the vehicle requires two separate claims to complete the repair.

Repair Claims for Program Code 13S12

- Enter claims using Direct Warranty Entry (DWE).
- Refer to ACESII manual for claims preparation and submission information.
- Labor operations 13S12D and 13S12E must be submitted on an FSA claim using Program Code 13S12.
- An initial supply of twenty-five (25) ZC-31-B Motorcraft Metal Surface Prep Wipes has been provided in the dealer kit. If additional quantities are required, claim 1 wipe per repair.
- Claim Related Damage and Additional Labor Time using Program Code 13S12 on a repair line that is separate from the repair line on which the FSA is claimed with the related damage flag checked.
    - For related damage use the published labor operation for the repair. If no labor operation exists for the part that was replaced / repaired, include the base part number along with "MT." (Example: base part number 8522, claim as actual time "MT8522")
    - For additional labor time claim as actual time up to 2.0 hours using "MT13S12".
- For rental vehicle claiming, follow Extended Service Plan (ESP) guidelines for dollar amounts. Enter the total amount of the rental expense under Miscellaneous Expense code "RENTAL". Rental for more than two (2) days requires prior approval.
- For Special Handling items (customer vehicles only), claim up to a maximum combined value of $75. All Special Handling claims must be on the same repair line using Program Code 13S12.
    - Wash/Vacuum: Enter Miscellaneous Expense Code "SCHP".
        - Misc. Expense Code: SCHP
        - Misc. Expense Amount: Total amount
    - Fuel Fill: Enter Miscellaneous Expense Code "FUEL".
        - Misc. Expense Code: FUEL
        - Misc. Expense Amount: Total amount
    - Vehicle Pick-up/Delivery or Additional Rental Expense Exceeding ESP Guidelines: Enter Miscellaneous Expense Code "SCHP".
        - Misc. Expense Code: SCHP
        - Misc. Expense Amount: Total amount

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STOP SALE / DEMONSTRATION / DELIVERY HOLD – Safety Recall 13S12 – *Supplement #3*
All 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Risk of Localized Overheating of the Engine Cylinder Head that May Lead to Oil Leak Fires

CLAIMS PREPARATION AND SUBMISSION (Continued)

Fuel Line Inspection Claims Using Program Code 13Y03

(Only Certain Vehicles built on or before July 11, 2012)

- Labor operations 13S12A and 13S12B must be submitted on an FSA claim using Program Code 13Y03.
- Related damage for fuel line jumper inspection and or replacement must be claimed on a repair line that is separate from the repair line on which the FSA is claimed using Program Code 13Y03. Related damage requires prior approval from the Special Service Support Center.
- "MT" labor related to fuel line replacement should be submitted on a separate repair line with the related damage flag checked. "MT" labor for Program Code 13Y03 requires prior approval from the Special Service Support Center.
- Rental and Special Handling claims for program code 13Y03 have been discontinued. These expenses will not be accepted for 13Y03 repairs dated after March 26, 2014.

Cooling System Pressure Test, Repair, and Fill Claims Using Program Code 13Y04

- Claims for program code 13Y04 have been discontinued and will not be accepted with a repair order dated after March 26, 2014.

NOTE: Maintain supporting documentation for all Miscellaneous Expenses according to procedure as identified in the Warranty and Policy Manual. Include receipts for miscellaneous expenses documented in service file.

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STOP SALE / DEMONSTRATION / DELIVERY HOLD – Safety Recall 13S12 – *Supplement #3*
All 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Risk of Localized Overheating of the Engine Cylinder Head that May Lead to Oil Leak Fires

LABOR ALLOWANCES

All Vehicles

Description	Labor Operation	Labor Time
Perform Engine Shielding, Cooling System, Dipstick, and Control System Updates.- Vehicles built on or before April 19, 2013 (Includes Thermostat Replacement)	13S12D	6.1 Hours
Perform Engine Shielding, Cooling System, Dipstick, and Control System Updates.- Vehicles built on or after April 20, 2013 (Does Not Include Thermostat Replacement)	13S12E	5.1 Hours

Labor Operations for Fuel Line Jumper – Vehicles with OASIS Program Code 13Y03

Description	Labor Operation	Labor Time
Inspect Fuel Line Jumper Installation – Inspection PASSED	*13S12A	0.2 Hours
Replace Fuel Line Jumper – Inspection FAILED	*13S12B	0.5 Hours

***NOTE: Labor operations 13S12A and 13S12B are only applicable to certain vehicles built on or before July 11, 2012 and identified by OASIS Program Code 13Y03**.

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STOP SALE / DEMONSTRATION / DELIVERY HOLD – Safety Recall 13S12 – *Supplement #3*
All 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Risk of Localized Overheating of the Engine Cylinder Head that May Lead to Oil Leak Fires

New! PARTS REQUIREMENTS / ORDERING INFORMATION

Part Number	Description	Quantity
DJ5Z-8522-A	Water Bypass Kit	1
DJ5Z-6750-B (or DJ5Z-6750-A)	Oil Level Indicator Kit	1
PM-4-A or PM-4-B CPM-4-B (Canada)	Motorcraft Metal Brake Parts Cleaner	1
VC-3DIL-B (US) CVC-3DIL-B (Canada)	Motorcraft Orange Antifreeze / Coolant Prediluted	1 Gallon
**ZC-31-B	Motorcraft Metal Surface Prep Wipes (25 per container)	1 Wipe

** An initial supply of twenty-five (25) ZC-31-B Motorcraft Metal Surface Prep Wipes has been provided in the dealer kit (sent to the attention of the Service Manager along with Hollow Material Punch Tool #100-D702 and PM-13-A Rust Preventative the week of March 24, 2014). If additional quantities are required, order through normal order processing channels. Claim 1 wipe per repair.

New! *Parts Table – Turbocharger Inlet Pipe – Vehicles built from Job #1 through June 27, 2012*

Part Number	*Description*	*Quantity*
CV6Z-6N696-A	*Turbocharger Inlet Pipe*	*1* ***(Only required for vehicles built from Job #1 through 6/27/2012)***

Parts Table for Fuel Line Jumper – Vehicles with OASIS Program Code 13Y03 Open and FAILED Inspection

Part Number	Description	Quantity
CV6Z-9J280-G	Fuel Line Jumper	1 **(Only required if inspection failed)**

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STOP SALE / DEMONSTRATION / DELIVERY HOLD – Safety Recall 13S12 – *Supplement #3*
All 2013 Model Year Escape Vehicles Equipped with a 1.6L Engine
Risk of Localized Overheating of the Engine Cylinder Head that May Lead to Oil Leak Fires

PARTS REQUIREMENTS / ORDERING INFORMATION (Continued)

Order your parts requirements through normal order processing channels.

Questions regarding parts should be directed to the Special Service Support Center Parts Order Line (1-800-207-2444) or E-mailed to: Ford@Renkim.com.

The DOR/COR number for this recall is 50532.

DEALER PRICE

For latest prices, refer to DOES II.

PARTS RETENTION AND RETURN

Follow the provisions of the Warranty and Policy Manual, Section 1 “WARRANTY PARTS RETENTION AND RETURN POLICIES.”

EXCESS STOCK RETURN

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

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David J. Johnson
Director
Service Engineering Operations
Ford Customer Service Division

Ford Motor Company
P. O. Box 1904
Dearborn, Michigan 48121

June 7, 2018

TO: All U.S. Ford and Lincoln Dealers

SUBJECT: **Safety Recall 17S09 *– Supplement #3***
Certain 2013-2014 Fusion, 2013-2015 Transit Connect, 2014 Escape, and 2014-2015 Fiesta ST Vehicles Equipped with a 1.6L EcoBoost Engine
Coolant Level Sensor System Installation

REF: **Safety Recall 17S09 – Supplement #2**
Dated January 19, 2018

New! *REASON FOR THIS SUPPLEMENT*

- ***Service Action Update:*** *Parts are now available to complete this safety recall on Fiesta ST vehicles.*

AFFECTED VEHICLES

Vehicle	Model Year	Assembly Plant	Build Dates
Escape	2014	Louisville	February 12, 2013 through September 2, 2014
Fiesta ST	2014-2015	Cuautitlan	January 22, 2013 through May 27, 2014
Fusion	2013-2014	Hermosillo	February 15, 2012 through June 6, 2014
Transit Connect	2013-2015	Valencia	June 13, 2013 through December 14, 2014

Affected vehicles are identified in OASIS and FSA VIN Lists.

REASON FOR THIS SAFETY RECALL

In the affected vehicles, localized overheating of the engine cylinder head may cause the cylinder head to crack, causing a pressurized oil leak that may result in a fire in the engine compartment.

New! SERVICE ACTION

All Affected Vehicles:
Parts ordering information and repair instructions to repair all affected vehicles are now available.
Dealers are to perform repairs following the technical information that include enhancements to the engine cooling and control systems. This service must be performed on all affected vehicles at no charge to the vehicle owner.

Important! A small number of Escape vehicles will require unique PCM programming instructions. A small number of 2015 MY Transit Connect vehicles will require an additional cylinder head inspection. Please refer to Attachment VI prior to carrying out any repairs on Escape or 2015 MY Transit Connect vehicles, as certain VINs will require a contact to the Special Service Support Center (SSSC) for additional repair instructions.

Prepare your dealership to efficiently perform the repair:

- Review the repair instructions, which include 11 modular sub-procedures as identified in the Escape and Transit Connect technical information (Attachment IV).
- Watch the instructional videos and become familiar with the repair instructions and parts.

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New! OWNER NOTIFICATION MAILING SCHEDULE

Owners of record were notified of this safety recall via first-class mail the week of April 24, 2017.

Owners of Escape vehicles were notified of the final repair the week of January 1, 2018.

Owners of Fusion and Transit Connect vehicles were notified of the final repair the week of January 29, 2018.

Owners of Fiesta ST vehicles will be notified of the final repair the week of June 18, 2018.

Dealers should repair any affected vehicles that arrive at their dealerships, whether or not the customer has received a letter.

PLEASE NOTE:

Federal law requires dealers to complete this recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to $21,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.

New! ATTACHMENTS

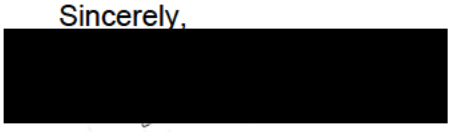
Attachment I:	*Administrative Information*
Attachment II:	*Labor Allowances and Parts Ordering Information*
Attachment III:	*Technical Information (Fiesta ST)*
Attachment IV:	Technical Information (Escape and Transit Connect)
Attachment V:	Inspection / Check Sheet
Attachment VI:	Unique Vehicle Repairs
Attachment VII:	Instructional Video Links
Attachment VIII:	Technical Information (Fusion)

Owner Notification Letters
Recall Reimbursement Plan

QUESTIONS & ASSISTANCE

For questions and assistance, contact the Special Service Support Center (SSSC) via the SSSC Web Contact Site. The SSSC Web Contact Site can be accessed through the Professional Technician Society (PTS) website using the SSSC link listed at the bottom of the OASIS VIN report screen or listed under the SSSC tab.

Sincerely,



David J. Johnson

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Safety Recall 17S09 *– Supplement #3*
Certain 2013-2014 Fusion, 2013-2015 Transit Connect, 2014 Escape, and
2014-2015 Fiesta ST Vehicles Equipped with a 1.6L EcoBoost Engine
Coolant Level Sensor System Installation

OASIS ACTIVATION

OASIS was activated on March 28, 2017.

New! FSA VIN LISTS ACTIVATION

FSA VIN Lists were made available through [redacted] on March 28, 2017. Owner names and addresses were made available by February 9, 2018 for Escape, Fusion, and Transit Connect vehicles. *Owner names and addresses will be available by June 29, 2018 for Fiesta ST vehicles.*

NOTE: Your FSA VIN Lists may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall.

New! SOLD VEHICLES

All Affected Vehicles:

- Owners of affected vehicles will be directed to dealers for repairs.
- Immediately contact any of your affected customers whose vehicles are not on your VIN list but are identified in OASIS. Give the customer a copy of the Owner Notification Letter (when available) and schedule a service date.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.
- Dealers are to prioritize repairs of customer vehicles over repairs of new and used vehicle inventory.

New! STOCK VEHICLES

All Affected Vehicles:

Use OASIS to identify any affected vehicles in your used vehicle inventory.

DEALER-OPERATED RENTAL VEHICLES

The Fixing America's Surface Transportation (FAST) Act law effective June 2016 prohibits a rental company from selling, renting or leasing vehicles subject to a safety or compliance recall. Please consult your legal counsel for legal advice.

TITLE BRANDED / SALVAGED VEHICLES

Affected title branded and salvaged vehicles are eligible for this recall.

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Safety Recall 17S09 *– Supplement #3*
Certain 2013-2014 Fusion, 2013-2015 Transit Connect, 2014 Escape, and 2014-2015 Fiesta ST Vehicles Equipped with a 1.6L EcoBoost Engine
Coolant Level Sensor System Installation

OWNER REFUNDS

- **This safety recall must still be performed, even if the owner has paid for a previous repair. Claiming a refund will not close the recall on the vehicle.**
- Ford Motor Company is offering a refund for owner-paid repairs covered by this recall if the repair was performed prior to the date indicated in the reimbursement plan, which is posted with this bulletin. Owners are directed to seek reimbursement through authorized dealers or, at their option, directly through Ford Motor Company at P.O. Box 6251, Dearborn, MI 48121-6251.
- Dealers are also pre-approved to refund owner-paid emergency repairs that were performed away from an authorized servicing dealer after the end date specified in the reimbursement plan. Non-covered repairs, or those judged by Ford to be excessive, will not be reimbursed.
- Refunds will only be provided for the cost associated with an engine coolant leak or overheat.

RENTAL VEHICLES

Dealers are pre-approved for up to 1 day for a rental vehicle. Follow Extended Service Plan (ESP) guidelines for dollar amounts. Rentals will only be reimbursed for the day(s) the vehicle is at the dealership for part replacement. Prior approval for more than 1 rental day is required from the SSSC via the SSSC Web Contact Site.

ADDITIONAL REPAIR (LABOR TIME AND/OR PARTS)

Additional repairs identified as necessary to complete the FSA should be managed as follows:

- For related damage and access time requirements, refer to the Warranty and Policy Manual – Section 6 – Ford/Lincoln Program Policies – Field Service Actions (FSA) – Related Damage.
- For vehicles within new vehicle bumper-to-bumper warranty coverage, no SSSC approval is required.
    - Ford vehicles – 3 years or 36,000 miles
- For vehicles outside new vehicle bumper-to-bumper warranty coverage, dealers are pre-approved to claim up to $500 in related damage for labor and/or parts.
    - For claims exceeding the pre-approved amount, submit an Approval Request to the SSSC Web Contact Site prior to completing the repair.

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Coolant Level Sensor System Installation

New! CLAIMS PREPARATION AND SUBMISSION

- Enter claims using One Warranty Solution (OWS).
- When entering claims in DMS software, select claim type 31: Field Service Action. The FSA number 17S09 is the sub code.
- Additional labor and/or parts must be claimed as related damage on a separate repair line from the FSA.
- Dealers are authorized to claim up to $500 of additional labor and/or parts without contacting the SSSC for approval. Follow the Actual Time Usage Guidelines and Service Management Responsibilities as identified in the Warranty and Policy Manual.
- For rental vehicle claiming, follow Extended Service Plan (ESP) guidelines for dollar amounts. Enter the total amount of the rental expense under Miscellaneous Expense code RENTAL.
- Submit refunds on a separate repair line.
  - Program Code: 17S09
  - Misc. Expense: REFUND
  - Misc. Expense: ADMIN
  - Misc. Expense: 0.2 Hrs.
- Multiple refunds should be submitted on one repair line and the invoice details for each repair should be detailed in the comments section of the claim.
- Claims for Escape interim repairs under labor operation code 17S09XX must have a repair date on or before December 13, 2017 to be eligible for payment.
- Claims for Fusion and Transit Connect interim repairs under labor operation codes 17S09YY and 17S09ZZ must have a repair date on or before January 19, 2018 to be eligible for payment.
- *Claims for Fiesta ST interim repairs under labor operation code 17S09YY must have a repair date on or before June 7, 2018 to be eligible for payment.*
- *Claims for Escape repairs under labor operation code 17S09B must have a repair date on or before June 7, 2018 to be eligible for payment. For Ford internal administrative purposes the Escape labor operation is being changed, however, repair procedures and labor times have not changed.*
- ***Provision for locally obtained Lead-free solder (SAC305 or equivalent) required for Fiesta ST models only:*** *Submit on the same repair line as the repair. Can be claimed with labor operation code 17S09J only.*
  - *Program Code: 17S09*
  - *Misc. Expense: OTHER*
  - *Misc. Expense: Claim Actual Cost up to $2.00*

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Safety Recall 17S09 *– Supplement #3*
Certain 2013-2014 Fusion, 2013-2015 Transit Connect, 2014 Escape, and 2014-2015 Fiesta ST Vehicles Equipped with a 1.6L EcoBoost Engine
Coolant Level Sensor System Installation

New! LABOR ALLOWANCES

Description	Vehicle	Labor Operation	Labor Time
Install Coolant Level Sensor System	Escape	*17S09H*	3.8 Hours
Install Coolant Level Sensor System	Fusion	17S09F	4.3 Hours
Install Coolant Level Sensor System	Transit Connect	17S09G	3.5 Hours
Install Coolant Level Sensor System	*Fiesta ST*	*17S09J*	*5.3 Hours*
Powertrain assembly mount neutralizing - Claim as needed - Use in combination with 17S09B/F/G/*H*	Escape and Transit Connect	17S09D	0.2 Hours
	Fusion	17S09E	0.3 Hours

Escape repairs under labor operation code 17S09B must have a repair date on or before June 7, 2018 to be eligible for payment. For Ford internal administrative purposes the Escape labor operation is being changed, however, repair procedures and labor times have not changed.

NOTE: The labor operations below are for interim repairs and will NOT close the safety recall.

Description	Labor Operation	Labor Time
Perform cooling system pressure test and add coolant as needed - Escape (must have a repair date on/before December 13, 2017 to be eligible for payment)	17S09XX	0.6 Hours
Perform cooling system pressure test and add coolant as needed - Fiesta ST *(must have a repair date on/before June 7, 2018 to be eligible for payment)*	17S09YY	0.3 Hours
Perform cooling system pressure test and add coolant as needed - Fusion (must have a repair date on/before January 19, 2018 to be eligible for payment)		
Perform cooling system pressure test and add coolant as needed - Transit Connect (must have a repair date on/before January 19, 2018 to be eligible for payment)	17S09ZZ	0.4 Hours

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Safety Recall 17S09 *– Supplement #3*
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Coolant Level Sensor System Installation

New! PARTS REQUIREMENTS / ORDERING INFORMATION

Escape Vehicles Built on or before August 23, 2014:
Note: These vehicles use a 6-Pin Wiring Harness

Part Number	Description	Order Quantity	Claim Quantity
GV6Z-9P449-E	Coolant Level Sensor Kit	1	1
GV6Z-9P449-A	Degas Bottle and Cap Kit	1	1
EV4Z-14A411-F	6-Pin EPAS Connector Coolant Stand-pipe Wire Harness	1	1
VC-3DIL-B (US) CVC-3DIL-B (Canada)	Motorcraft Orange Antifreeze / Coolant Prediluted	1 Gallon	1 Gallon

Escape Vehicles Built on or after August 24, 2014 and all Transit Connect Vehicles:
Note: These vehicles use a 3-Pin Wiring Harness.

Part Number	Description	Order Quantity	Claim Quantity
GV6Z-9P449-E	Coolant Level Sensor Kit	1	1
GV6Z-9P449-A	Degas Bottle and Cap Kit	1	1
EV4Z-14A411-H	3-Pin EPAS Connector Coolant Stand-pipe Wire Harness	1	1
VC-3DIL-B (US) CVC-3DIL-B (Canada)	Motorcraft Orange Antifreeze / Coolant Prediluted	1 Gallon	1 Gallon

Fusion Vehicles:

Part Number	Description	Order Quantity	Claim Quantity
DG9Z-9P449-A	Coolant Level Sensor Kit	1	1
GV6Z-9P449-C	Thermostat Kit	1	1
DG9Z-14A411-J	Coolant Stand-pipe Wire Harness	1	1
VC-3DIL-B (US) CVC-3DIL-B (Canada)	Motorcraft Orange Antifreeze / Coolant Prediluted	1 Gallon	1 Gallon

To place an order for the PCM connector back shell kit submit a VIN-specific Part Order contact via the SSSC Web Contact Site.

Part Number	Description	Order Quantity	Claim Quantity
DG9Z-14A666-L	PCM Connector Back Shell Kit – **Fusion Vehicles with Manual Transmission Only**	1	1

Dealers will be notified via a DOES II communication if circumstances warrant a change in part supply strategy and when open ordering resumes.

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2014-2015 Fiesta ST Vehicles Equipped with a 1.6L EcoBoost Engine
Coolant Level Sensor System Installation

New! PARTS REQUIREMENTS / ORDERING INFORMATION (Continued)

Fiesta ST Vehicles:

Part Number	*Description*	*Order Quantity*	*Claim Quantity*
H1BZ-9P449-F	*Coolant Level Sensor Kit*	*1*	*1*
GV6Z-9P449-C	*Thermostat Kit*	*1*	*1*
C1BZ-14A411-L	*Coolant Stand-pipe Wire Harness*	*1*	*1*
VC-3DIL-B (US) *CVC-3DIL-B (Canada)*	*Motorcraft Orange Antifreeze / Coolant Prediluted*	*Up to 1 Gallon (only as required)*	*Up to 1 Gallon (only as required)*
Obtain Locally	*Lead-free solder (SAC305 or equivalent)*	*Claim as Misc. Expense: OTHER*	

The DOR/COR number for this recall is 51077.

Order your parts through normal order processing channels. To guarantee the shortest delivery time, an emergency order for parts must be placed.

DEALER PRICE

For latest prices, refer to DOES II.

PARTS RETENTION AND RETURN

Follow the provisions of the Warranty and Policy Manual, Section 1 - WARRANTY PARTS RETENTION AND RETURN POLICIES.

EXCESS STOCK RETURN

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

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