



TECHNICAL SERVICE BULLETIN

DPS6 - Automatic Transmission - Excessive Transmission Clutch Shudder and/or Transmission Fluid Leak

17-206206 October
2017

This bulletin supersedes 16-2030. Reason for update: Changes to the Applicable Vehicle Range, Service Procedure and PDR Information

Model:

Ford 2011-2016 EcoSport	
2011-2015 Fiesta	Assembly Plant: Germany Build Date: Up to 17 September 2015
2011-2015 Fiesta	Assembly Plant: Taiwan Build Date: Up to 23 January 2015
2011-2015 Fiesta	Assembly Plant: Thailand Build Date: Up to 07 January 2015
2011-2015 Fiesta	Assembly Plant: Vietnam Build Date: Up to 16 February 2015
2011-2015 Fiesta	Assembly Plant: China Build Date: Up to 08 January 2015
2014-2016 Figo	
2012-2016 Focus	

Issue: Some vehicles (see Model Information above) equipped with a DPS6 “PowerShift” transmission may exhibit excessive transmission clutch shudder on light acceleration. Some vehicles may or may not exhibit transmission fluid leaking from the clutch housing. **NOTE: THIS TSB IS NOT APPLICABLE TO FIESTA WITH 1.0L FOX ENGINE POWERTRAIN**

Action: Should a vehicle present with the above condition(s), technicians are advised to refer to the Service Instruction below.

Parts

Service Part Number	Package Order Quantity	Description
FA6Z-7B546-A	1	Dual Clutch Assembly Kit (Fiesta built on or after 13-Jan 2011/Figo)
FA6Z-7B546-B	1	Dual Clutch Assembly Kit (Fiesta built on or before 12-Jan 2011)
F1FZ-7B546-B	1	Dual Clutch Assembly Kit (Focus/EcoSport)
AE8Z-7007-A	1	Engine to Transaxle Separator Plate (1.5L/1.6L Engines All Models)
F1FZ-7H183-A	2	Differential Seal Plug (All Models, 2 Required, can be used for multiple repairs)
EV6Z-7052-C	1	Focus Seal Kit (Required for ALL Clutch and Seal Repairs)
EV6Z-7052-D	1	Fiesta/EcoSport/Figo Seal Kit (Required for ALL Clutch and Seal Repairs)
2S61 9451 AC	1	Exhaust Gasket (Figo)
W700420 S403	2	Exhaust Gasket Nut (Figo)
ESD M1C220A	1	Motorcraft® High Temperature Nickel Anti-Seize Lubricant All Markets
XT 11 QDC	1	Motorcraft® Dual Clutch Transmission Fluid AP Minus AU/NZ
7U7JM2C200BA	1	Motorcraft® Dual Clutch Transmission Fluid AU/NZ

Labor Times

Description	Operation No.	Time
Perform Pinpoint Test As Per WSM Procedure, Release The Vehicle, Within Expected Limits (Do Not Use With Any Other Labor Operations)	172062A	0.6 Hrs
Perform Pinpoint Test Per WSM Procedure, Outside Of Expected Limits Retrieve RVC Code, Requires RVC Code (Do Not Use With Any Other Labor Operation Except C, D, E, F, G, H, I Or J)	172062B	0.6 Hrs
Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Requires RVC Code (Do Not Use With Any Other Labor Operation Except B) (Fiesta)	172062C	4.7 Hrs
Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Requires RVC Code (Do Not Use With Any Other Labor Operation Except B) (Focus)	172062D	5.2 Hrs
Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Requires RVC Code (Do Not Use With Any Other Labor Operation Except B) (Fiesta)	172062E	5.1 Hrs
Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Requires RVC Code (Do Not Use With Any Other Labor Operation Except B)(Focus)	172062F	5.7 Hrs
Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Requires RVC Code (Do Not Use With Any Other Labor Operation Except B) (EcoSport)	172062G	4.6 Hrs
Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Requires RVC Code (Do Not Use With Any Other Labor Operation Except B) (Figo)	172062H	4.8 Hrs
Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Requires RVC Code (Do Not Use With Any Other Labor Operation Except B) (EcoSport)	172062I	5.0 Hrs
Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Requires RVC Code (Do Not Use With Any Other Labor Operation Except B) (Figo)	172062J	5.2 Hrs

Repair/Claim Coding

Causal Part:	7B546
Condition Code:	42

PDR Table

PDR Code	Description	Time
TSB172062A	Perform Pinpoint Test As Per WSM Procedure, Release The Vehicle, Within Expected Limits	0.6 Hrs
TSB172062B	Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Fiesta Built On Or After 13-Jan 2011 (No Oil Contamination)	5.3 Hrs
TSB172062C	Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Fiesta Built On Or Before 12-Jan 2011 (No Oil Contamination)	5.3 Hrs
TSB172062D	Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Focus 2.0L (No Oil Contamination)	5.8 Hrs
TSB172062E	Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Focus 1.6L (No Oil Contamination)	5.8 Hrs
TSB172062F	Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Fiesta Built On Or After 13-Jan 2011 (Leaking Transmission Seals)	5.7 Hrs
TSB172062G	Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Fiesta Built On Or Before 12-Jan 2011 (Leaking Transmission Seals)	5.7 Hrs

PDR Code	Description	Time
TSB172062H	Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Focus 2.0L (Leaking Transmission Seals)	6.3 Hrs
TSB172062I	Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Focus 1.6L (Leaking Transmission Seals)	6.3 Hrs
TSB172062J	Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - EcoSport 2.0L (No Oil Contamination)	5.2 Hrs
TSB172062K	Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - EcoSport 1.5L (No Oil Contamination)	5.2 Hrs
TSB172062L	Replace Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Figo (No Oil Contamination)	5.4 Hrs
TSB172062M	Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - EcoSport 2.0L (Leaking Transmission Seals)	5.6 Hrs
TSB172062N	Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - EcoSport 1.5L (Leaking Transmission Seals)	5.6 Hrs
TSB172062O	Replace Both Inner Input Shaft Seals And Clutch, Includes Reprogram The PCM/TCM, TCM Adaptive Learning And Post Road Test, Includes Time For RVC - Figo (Leaking Transmission Seals)	5.8 Hrs

Service Instruction

NOTE: Confirm that FSA 15B22 has been completed, if it is open in OASIS; perform the action to update the PCM/TCM prior to the action in this bulletin.

NOTE: Performing the service routines will clear ADAPTIVE STRATEGY. Failure to perform ALL steps of the IDS routines may result in erratic shifts and driveability concerns

- Using the Integrated Diagnostic System (IDS) follow the Workshop Manual (WSM), Diagnosis and Testing, Diagnosis by Symptom, Pinpoint Test A (All Vehicle lines except for NA built 2011-2013 Fiesta refer to Pinpoint Test N) - Clutch Shudder on Acceleration to diagnose shudder. For more information, refer to WSM Section 307-01 for 2011-2016 EcoSport, 2014-2016 Figo, 2012-2016 Focus and 2011-2015 Fiesta. For NA Built 2011-2013 Fiesta refer to WSM, Section 307-11.
 - Save and upload the IDS Datalogger Session Data (refer to appendix 1 below).
 - For clutch replacement retrieve a Repair Validation Code (RVC) from PTS (refer to appendix 2 below).
 - New vehicles with less than 1600 km have not fully completed the clutch friction green clutch break-in period that is required before attempting to replace the clutch or hardware.
 - Vehicles built on 06-Jun-2013 or later have the improved transmission input shaft seals that are unlikely to experience leaks and should only be replaced if leaking.
- If the clutch is replaced, use IDS to reprogram the Powertrain Control Module (PCM)/Transmission Control Module (TCM) to the latest calibration using IDS release 102.05 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 from the Professional Technicians Society website – Select Rotunda - Diagnostic Tool Support - IDS Support - Module Reprogramming.
 - IDS software updates have been made to streamline the process and improve DPS6 Shudder diagnostics and reprogramming.
 - Follow all the instructions as mentioned on the instruction sheet that came with the clutch.
 - Adjust the vehicle clock as required, it may have lost time during the reprogramming process.

NOTE: Transmission differential seal plugs are now released and should be installed during transmission removal and while performing bench repairs to reduce/eliminate the loss of transmission fluid.

Parts Information Reference

The following information is provided to supplement the Parts Section above to help assist in the identification of the required parts to carry out each repair.

For all vehicles refer to the clutch repair kit part number ONLY. The part list shown in the applicable table is for information only.

Fiesta/EcoSport/Figo: Repair Seal Kit Contents (Just for reference) Only order the Kit part No. EV6Z 7052 D

Part Description	Part No	Qty
Flex Plate Nuts	W705448 S441	6
Ball Joint Bolt LH/RH	W709618 S442	2
Ball Joint Nut LH/RH	W520203 S442	2
Drive Shaft Circlip LH/RH	AE8Z 1S177 B	2
Bearing Retainer Bracket	YS4Z 3N324 AA	1
Bearing Retainer Bracket Nut	W520102 S442	2
Snap Ring, Clutch	AE8Z 7064 B	1
Snap Ring, Clutch to Hollow Input Shaft	AE8Z 7064 A	1
Seal, Input Shaft Inner	AE8Z 7052 C	1
Seal, Input Shaft Outer	AE8Z 7048 C	1
Exhaust Gasket	2S6Z 9450 A	1
Exhaust Gasket Nut	W703662 S403	2
Lubricant, Transaxle Input Shaft Spline	9U7Z 19A506 BA	1

Focus: Repair Seal Kit Contents (Just for reference) Only order the Kit part No. EV6Z 7052 C

Part Description	Part No	Qty
Flex Plate Nuts	W705448 S441	6
Ball Joint Bolt LH/RH	W715491 S442	2
Ball Joint Nut LH/RH	W520415 S442	2
Drive Shaft Circlip LH/RH	AE8Z 1S177 B	2
Bearing Retainer Bracket	YS4Z 3N324 AA	1
Bearing Retainer Bracket Nut	W520102 S442	2
Snap Ring, Clutch	AE8Z 7064 B	1
Snap Ring, Clutch to Hollow Input Shaft	AE8Z 7064 A	1
Seal, Input Shaft Inner	AE8Z 7052 C	1
Seal, Input Shaft Outer	AE8Z 7048 C	1
Lubricant, Transaxle Input Shaft Spline	9U7Z 19A506 BA	1

Appendix 1

Sending an IDS Datalogger session file to support clutch replacement:

NOTE: Dealers must ensure the relevant IDS Datalogger session file has been submitted to support clutch replacement warranty claims.

•After completing the IDS Datalogger session (including saving and labelling datalogger recordings) select Hold (saves recordings).

•Select Previous Sessions and press the tick button.

•Highlight the session to be sent and then select the network icon.

NOTE: IDS must have an internet connection.

Appendix 2

NOTE: Dealers must ensure the relevant RVC has been submitted in the Approvals/Reference field to support clutch replacement warranty claims.

•Refer to WSM Section 307-01 for 2011-2016 EcoSport, 2014-2016 Figo, 2012-2016 Focus and 2011-2015 Fiesta (For NA Built 2011-2013 Fiesta refer to WSM, Section 307-11).

•Select Diagnosis by Symptom.

•Scroll down to Pinpoint Test.

•Conduct the pinpoint tests.

- When guided to “Click here to access guided routine” click on the hyperlink.
- Within the pop-up screen select pinpoint test.
- Follow the onscreen instructions.
- Select continue.
- Input the required information.
- Read the vehicle Information and retrieve the continuous memory DTC's.
- Check for applicable Ford service publications, Field service Actions (FSA's), Technical Service Bulletins (TSB's) and Special Service Messages (SSM's).
- Input the transmission data clutch Parameter Identification (PID) Information.
- Follow the procedure.
- Select “Get RVC”.
- Record the RVC. The code is required for ALL Ford paid repairs.

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