

FordFiesta

Your Technical Supplement 21

FordParts

Feel the difference



Engine idle undershooting or stall when coming to a stop / engine low idle when the engine is warm

Model: Fiesta 2002.25 (11/2001–09/2008)

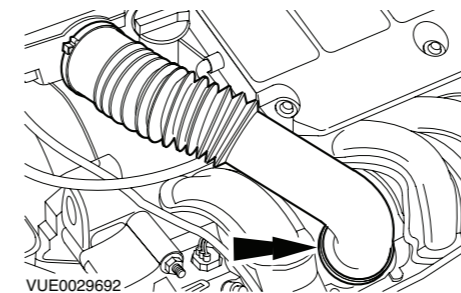
Summary: Should a customer express concern about the engine idle undershooting or stall when coming to a stop / engine low idle when the engine is warm, one of the probable causes is fretting corrosion on the pins within the Throttle Position (TP) Sensor. To rectify this concern, a new TP sensor in conjunction with a new fuel charging wiring harness with gold plated pins and connector should be installed

Parts Required

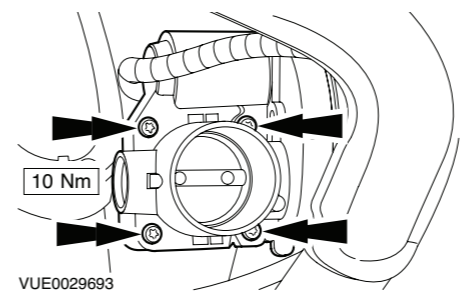
Description	Finis
TP Sensor Repair Kit	1 509 254

Note: TP Sensor Repair Kit consists of:
 TP sensor
 TP sensor wiring harness
 Screws (4 off)

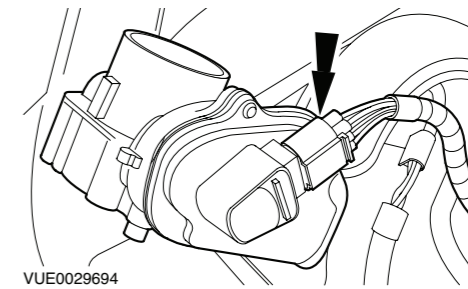
Service Instruction



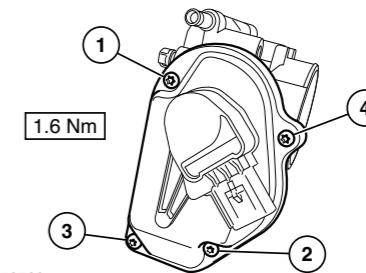
1. Disconnect the air cleaner outlet pipe from the throttle body



2. Remove the throttle body from the intake manifold



3. Disconnect the throttle body electrical connector and remove the throttle body



4. CAUTIONS:

- Open the cover in a clean environment to make sure no contamination enters. Care must be taken when removing the cover as it is possible for a gear to fall out. Do not apply any load to the TP sensor during assembly
- TP sensor screws are installed using locking compound and could shear when removing. To prevent this, the screws should be partially removed by two or three revolutions then tightened again
- Install a new TP sensor with four new screws
- Tighten the screws in the sequence shown

5. Renew the fuel charging wiring harness

- Discard the fuel charging wiring harness

6. Install all remaining components in reverse order

7. NOTE: Do not press the accelerator pedal during the initialization period as this will prevent the complete initialization of the throttle body

- Turn the ignition key to position II and wait for one minute to initialize the throttle body

8. Turn the ignition key to the OFF position

3rd gear crashing during shifting into 3rd gear

Model: Fiesta 2002 (11/2001–09/2008) - with 5-speed manual transmission (iB5) build in Bordeaux plant (bar code label: T6T) up to 02.12.2008 only

Summary: Should a customer express concern about the 3rd gear crashing during shifting into 3rd gear, the probable cause are critical tolerance combinations within the 3rd/4th gear selector fork.

NOTE: Only 5-speed manual transmissions (iB5) build in Bordeaux plant (bar code label: T6T) up to 02.12.2008 are affected. The build date information of the transmission is located next to the plant information on the transmission bar code label

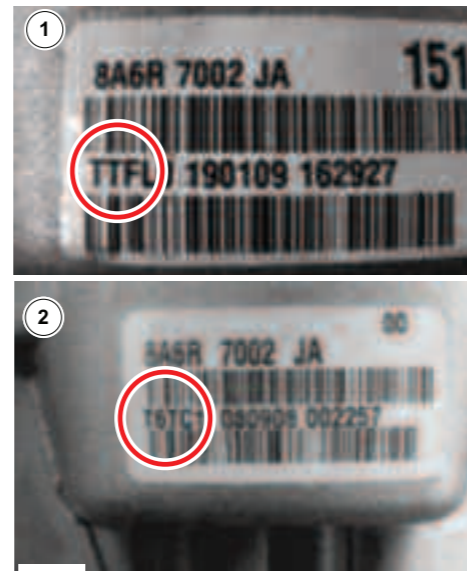
To rectify this concern, the 5-speed manual transmission (iB5) has to be removed, disassembled and a new 3rd/4th gear selector fork, a new 3rd gear and a new 3rd/4th gear synchronizer clutch should be installed. It is NOT necessary to install a complete new manual transmission

Parts Required

Description	Finis
Gear 3rd speed	Contact your Ford dealer
3rd/4th gear selector fork	1 475 355
3rd/4th gear synchronizer clutch	1 026 579
Syncrone cone	1 085 937
Outer synchronizer ring	1 213 877
Ball bearing	1 051 859
Snap ring	Contact your Ford dealer
Transmission fluid (WSD-M2C200-C)	Contact your Ford dealert

Service Information

Verify whether the 5-speed manual transmission (iB5) is build in Bordeaux plant up to 02.12.2008



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1. Open the hood.

2. **NOTE:** Only 5-speed manual transmissions (iB5) built in Bordeaux plant are affected.

Locate the transmission bar code label on the transmission housing and verify whether the 5-speed manual transmission (iB5) was built in the Bordeaux plant up to 02.12.2008.

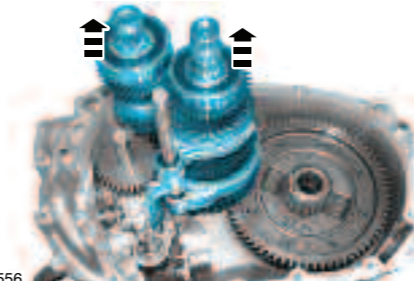
- TTF = Halewood plant
- T6T = Bordeaux plant

The build date of the transmission is located next to the plant information. Example: 190109 - Transmission build date 19.01.2009.

- If the 5-speed manual transmission (iB5) is built in Bordeaux plant up to 02.12.2008, go to next step
- If the 5-speed manual transmission (iB5) is built in Halewood plant or at a later date, this instruction is not valid

Service Information

3rd and 4th gear synchronizer clutch and 3rd gear assembly - Renew

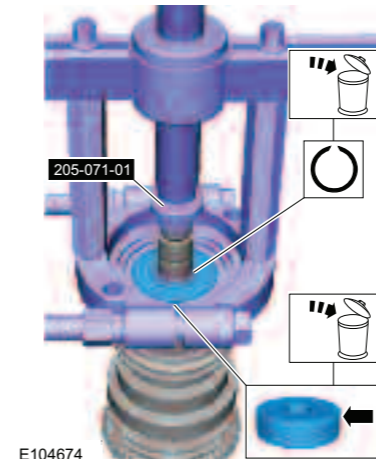


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1. Remove the transaxle

2. Disassemble the transaxle.

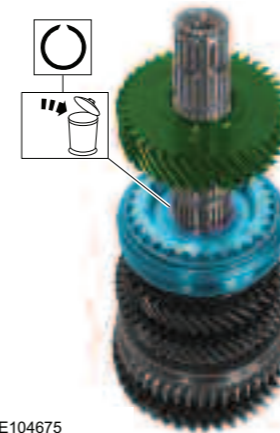
- **NOTE:** Install a rubber band to the second selector shaft to aid disassembly
- Remove the input shaft, the output shaft and the selector forks as an assembly
- Discard the 3rd/4th gear selector fork



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3. Using a suitable two-leg puller, remove the ball bearing from the output shaft.

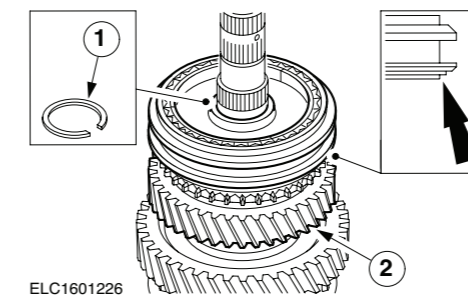
- Discard the snap ring and the ball bearing



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4. **NOTE:** Remove the synchronizer assembly and the 5th gear as an assembly.

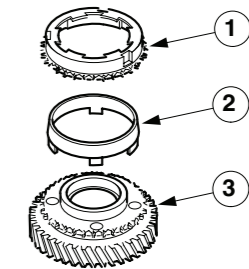
- Remove the 4th gear and the synchronizer ring
- Discard the snap ring



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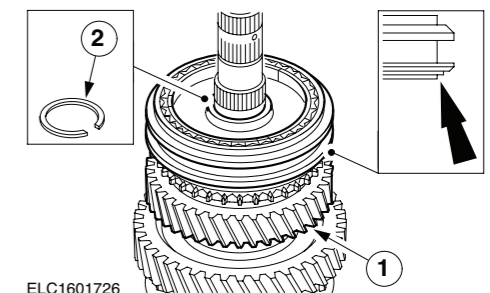
5. **NOTE:** Remove the synchronizer assembly and the 3rd gear as an assembly.

- Remove and discard the snap ring
- Remove the gear synchronizer, 3rd and 4th gear synchronizer clutch and the 3rd gear as an assembly
- Discard the 3rd and 4th gear synchronizer clutch and the 3rd gear assembly



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6. Install a new 3rd gear, a new outer synchronizer ring and a new synchronizer cone

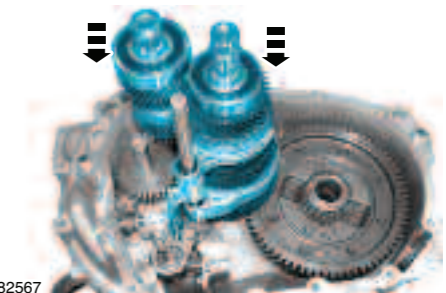


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7. **NOTE:** Install a new 3rd and 4th gear synchronizer clutch snap ring.

NOTE: Install the selector ring with the annular groove facing downwards and the small hub collar facing upwards.

- Install a new 3rd and 4th gear synchronizer clutch.
- Install the gear synchronizer, 3rd and 4th gear synchronizer clutch and 3rd gear assembly
- Install a new snap ring



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8. Assemble the output shaft in reverse order.

- Install a new snap ring and a new ball bearing

9. Assemble the transaxle

- Install a new 3rd/4th gear selector fork

10. Install the transaxle