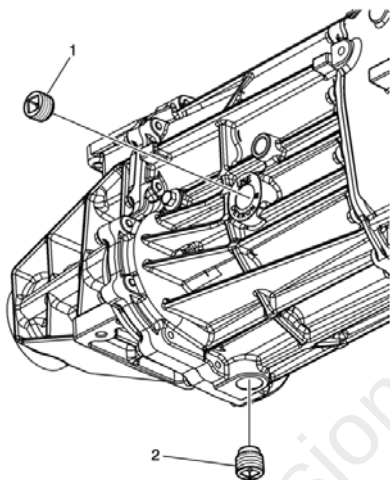


2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:
Fuel Delivery: | Fuel:

Table 1:	Drain Fluids and Mount to Holding Fixture
Table 2:	Rear Case and Shift Lever Housing Removal
Table 3:	Output Shaft Sleeve Removal
Table 4:	Mainshaft Nut and Front Counter Gear Rear Bearing Removal
Table 5:	Reverse Gear, 5th Gear Synchronizer and Reverse Gear Assembly, and Reverse Idler Gear Removal
Table 6:	5th and Reverse Shift Fork Removal
Table 7:	5th Gear, and 5th Counter Gear Removal
Table 8:	Intermediate Case Removal
Table 9:	Shift Shafts and Forks Removal
Table 10:	Mainshaft, Input Shaft and Counter Gear Shaft Removal

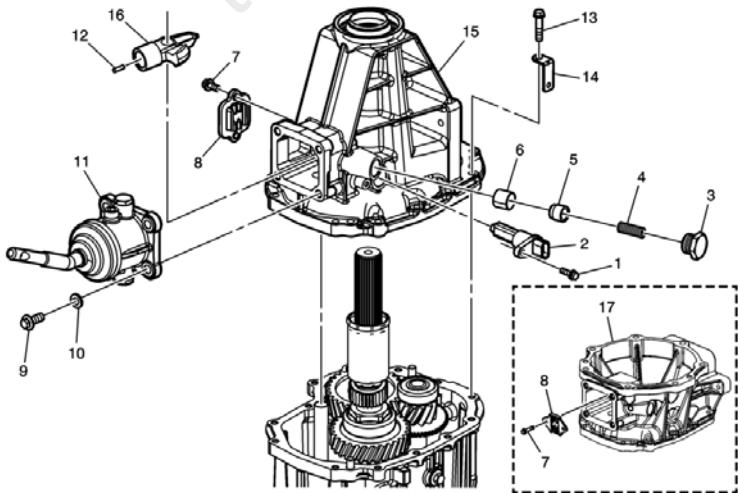
[Drain Fluids and Mount to Holding Fixture](#)



Drain Fluids and Mount to Holding Fixture

Callout	Component Name
1	Transmission Oil Fill Plug
2	Transmission Oil Drain Plug

[Rear Case and Shift Lever Housing Removal](#)



Callout

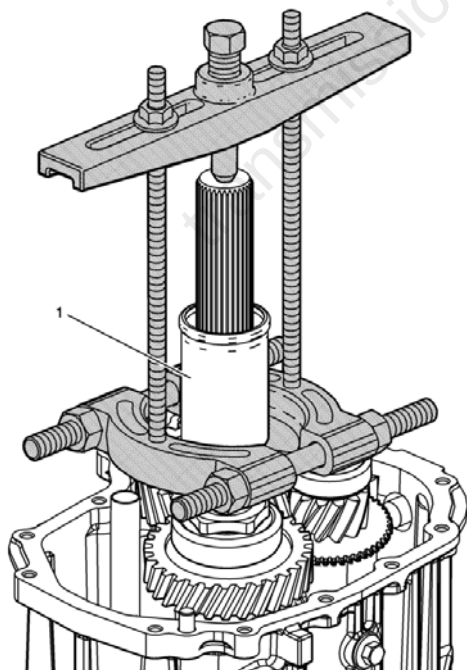
Component Name

Preliminary Procedure

Place shifter in 1st gear before you begin.

- | | |
|----|---|
| 1 | Transmission Case Bolt |
| 2 | Vehicle Speed Sensor |
| 3 | Transmission Case Plug |
| 4 | Manual Shift Detent Lever Spring |
| 5 | Shift Shaft Detent Cam |
| 6 | Shift Shaft Detent |
| 7 | Transmission Bolt |
| 8 | Shift Guide Detent Plate |
| 9 | M/Trans Control Lever Housing Bolt (Qty: 4) |
| 10 | M/Trans Control Lever Housing Washer (Qty: 4) |
| 11 | M/Trans Control Lever Housing Assembly |
| 12 | Shift Shaft Detent Pin Assembly |
| 13 | Transmission Case Bolt |
| 14 | Transmission Wiring Harness Bracket Assembly |
| 15 | Transmission Rear Case Assembly – 2WD |
| 16 | Shift Shaft Detent Lever |
| 17 | Transmission Rear Case Assembly – 4WD |

Shaft Sleeve Removal



Output Shaft Sleeve Removal

Callout

Component Name

Output Shaft Sleeve

Special Tools

1

- DT-22912-B Rear Pinion and Axle Bearing Remover

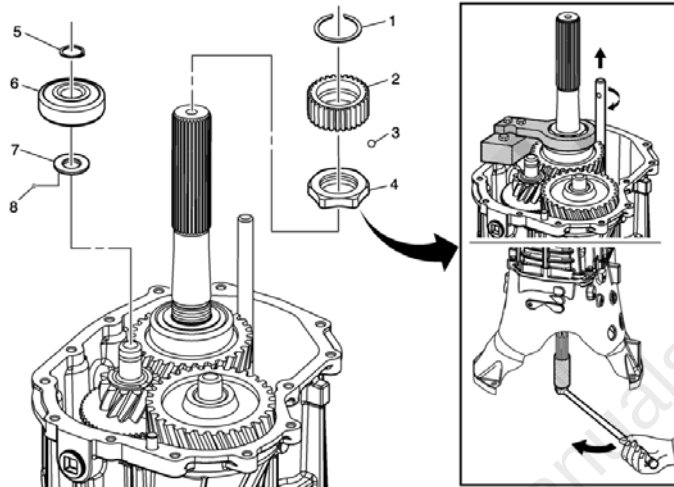
Callout

Component Name

- DT-50315 Hardware Kit
- GE-8433-1 Two Jaw Puller

For equivalent regional tools, refer to Special Tools.

Mainshaft Nut and Front Counter Gear Rear Bearing Removal



Mainshaft Nut and Front Counter Gear Rear Bearing Removal

Callout

Component Name

- 1 Mainshaft Retaining Ring – Speed Sensor Rotor – 2WD
- 2 Speed Sensor Rotor
- 3 Anti-Rotation Ball

Mainshaft Nut

Procedure

1. Attach DT 50461 mainshaft lock wrench mounting block and DT 50858 54 mm special wrench to the intermediate case.
2. Place the transmission in first gear by rotating the shift shaft clockwise and towards the rear of the transmission.
3. Using DT 50859 input shaft spline socket rotate the input shaft clockwise to loosen the mainshaft nut.

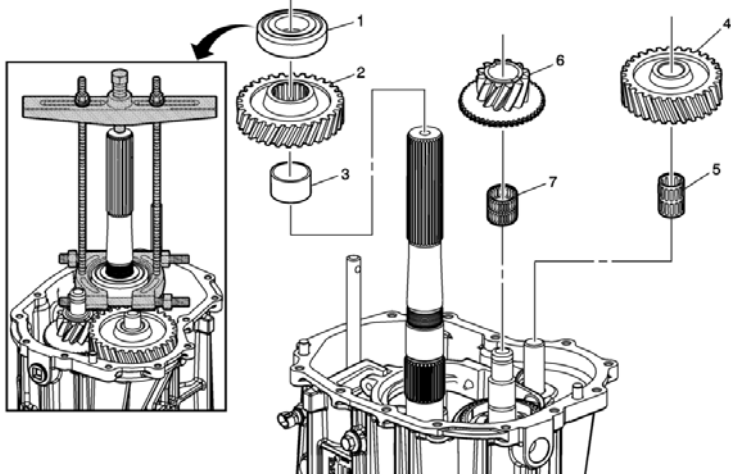
Special Tools

- DT 50461 Mainshaft Lock Wrench Mounting Block
- DT 50858 54 mm Special Wrench
- DT 50859 Input Shaft Spline Socket

For equivalent regional tools, refer to Special Tools.

- 5 Front Counter Gear Rear Bearing Retaining Ring
- 6 Front Counter Gear Rear Bearing Assembly
- 7 Reverse Gear Thrust Washer
- 8 Reverse Gear Thrust Washer Locating Ball

Reverse Gear, 5th Gear Synchronizer and Reverse Gear Assembly, and Reverse Idler Gear Removal



Reverse Gear, 5th Gear Synchronizer and Reverse Gear Assembly, and Reverse Idler Gear Removal

Callout

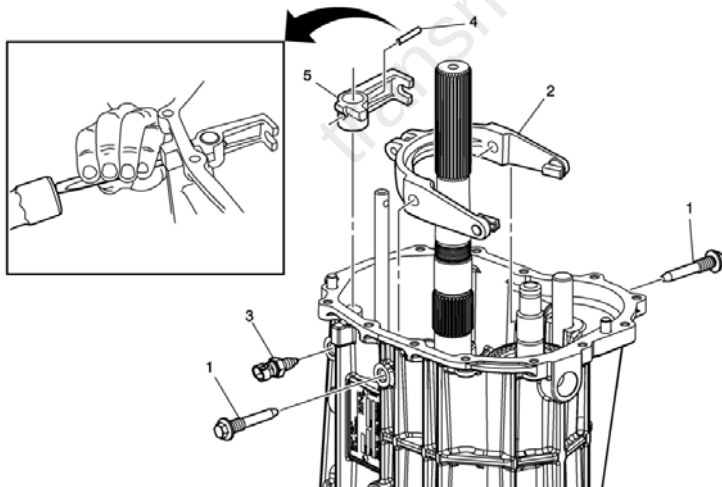
Component Name

Mainshaft Bearing Assembly

Special Tools

- | | |
|---|---|
| 1 | <ul style="list-style-type: none"> • DT 22912-B Split Plate Bearing Puller • DT 50315 Puller Hardware Kit • GE 8433-1 Puller Bar <p>For equivalent regional tools, refer to Special Tools.</p> |
| 2 | Reverse Gear |
| 3 | Mainshaft Bushing |
| 4 | Reverse Idler Gear |
| 5 | Reverse Idler Gear Thrust Bearing Assembly |
| 6 | 5th Gear Synchronizer and Reverse Gear Assembly |
| 7 | Reverse Gear Bearing Assembly |

5th and Reverse Shift Fork Removal



5th and Reverse Shift Fork Removal

Callout

Component Name

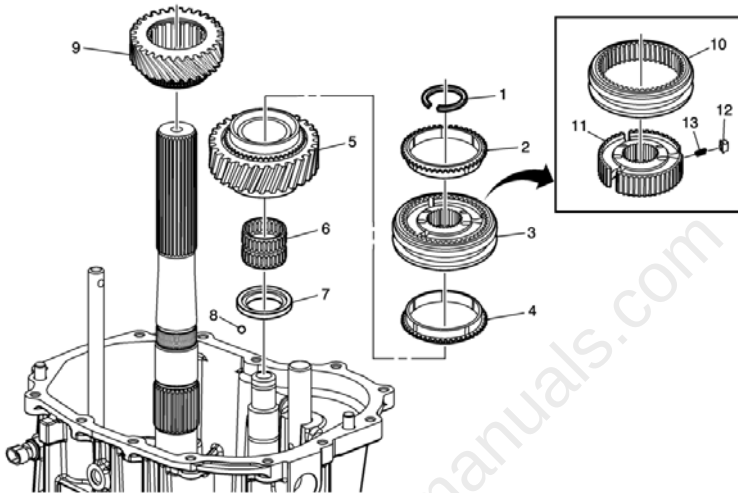
- | | |
|---|---|
| 1 | Shift Fork Bolt |
| 2 | 5th and Reverse Shift Fork |
| 3 | Park/Neutral Position and Backup Lamp Switch Assembly |

Callout

Component Name

- | | |
|---|----------------------------------|
| 4 | 5th and Reverse Shift Fork Pin |
| 5 | 5th and Reverse Shift Link Lever |

[5th Gear, and 5th Counter Gear Removal](#)



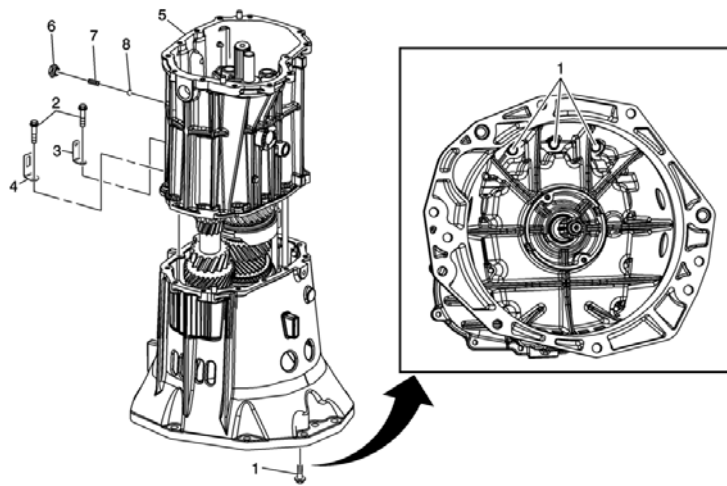
5th Gear, and 5th Counter Gear Removal

Callout

Component Name

- | | |
|----|--|
| 1 | 5th and Reverse Gear Synchronizer Retaining Ring |
| 2 | Reverse Gear Blocking Ring |
| 3 | 5th and Reverse Gear Synchronizer Hub and Sleeve |
| 4 | 5th Gear Blocking Ring |
| 5 | 5th Counter Gear |
| 6 | Counter Gear Thrust Bearing Assembly |
| 7 | Counter Gear Thrust Washer |
| 8 | 5th Gear Thrust Washer Anti-Rotation Ball |
| 9 | 5th Gear |
| 10 | 5th and Reverse Gear Synchronizer Sleeve |
| 11 | 5th and Reverse Gear Synchronizer Hub |
| 12 | 5th and Reverse Gear Synchronizer Insert |
| 13 | 5th and Reverse Gear Synchronizer Spring |

[Intermediate Case Removal](#)



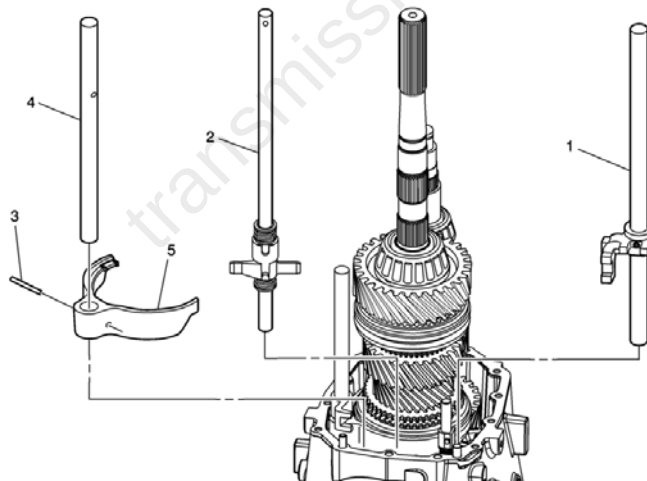
Intermediate Case Removal

Callout

Component Name

- | | |
|---|--|
| 1 | Transmission Intermediate Case Bolt (Qty: 3) |
| 2 | Transmission Rear Case Bolt (Qty: 10) |
| 3 | Transmission Wiring Harness Bracket Assembly |
| 4 | Transmission Bracket |
| 5 | Transmission Intermediate Case |
| 6 | Shift Shaft Detent Plug |
| 7 | Shift Detent Ball Spring |
| 8 | Shift Shaft Detent Ball |

[Shift Shafts and Forks Removal](#)



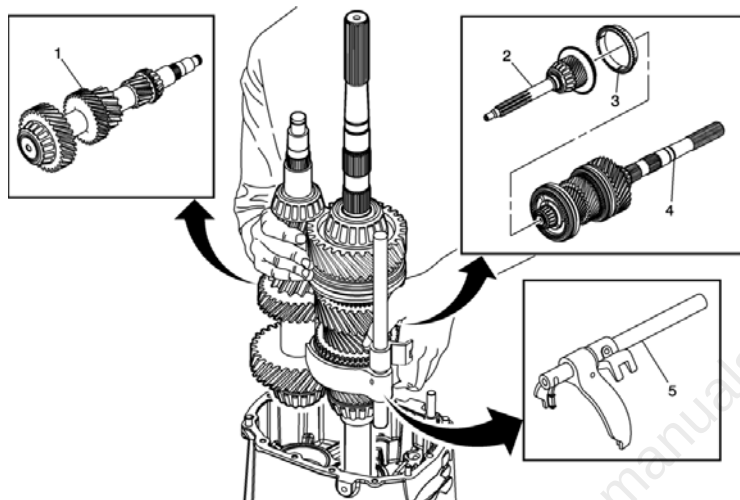
Shift Shafts and Forks Removal

Callout

Component Name

- | | |
|---|-------------------------------------|
| 1 | 5th and Reverse Shift Rail Assembly |
| 2 | Shift Shaft Assembly |
| 3 | Shift Fork Retaining Pin |
| 4 | 1st and 2nd Shift Shaft |
| 5 | 1st and 2nd Shift Fork |

[Mainshaft, Input Shaft and Counter Gear Shaft Removal](#)



Mainshaft, Input Shaft and Counter Gear Shaft Removal

Callout

Component Name

Preliminary Procedure

All the following components must be removed at the same time.

- | | |
|---|---|
| 1 | Counter Gear Shaft Assembly |
| 2 | Input Shaft Assembly |
| 3 | 4th Gear Synchronizer Ring |
| 4 | Mainshaft Assembly |
| 5 | 3rd and 4th Shift Shaft and Fork Assembly |
- Tip:** Be careful when removing the yoke bars. Interlock balls may drop into the bar bores. Keep close watch on the interlock balls when disassembling and assembling the transmission.