



**Part Number: M-4026-FA**  
**Fiesta ST Quaife Differential Installation Kit**  
**INSTALLATION INSTRUCTIONS**

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF FORD PERFORMANCE PARTS.

Please visit [www.fordracingparts.com](http://www.fordracingparts.com) for the most current instruction information

**!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION. AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD PERFORMANCE TECHLINE AT 1-800-367-3788!!!**

## **OVERVIEW:**

***The use of a floor hoist is recommended for this installation. If you do not have access to one, use a hydraulic floor jack and jack stands to raise the vehicle.***

***!!!CAUTION: JACK STANDS MUST BE USED ON A LEVEL SURFACE AND BE SECURELY SEATED. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR VEHICLE DAMAGE!!!***

## **KIT INCLUDES:**

|                |                                     |
|----------------|-------------------------------------|
| <b>Qty. 2</b>  | <b>Axle Seal</b>                    |
| <b>Qty. 2</b>  | <b>Differential Bearing</b>         |
| <b>Qty. 10</b> | <b>Ring Gear Bolt</b>               |
| <b>Qty. 2</b>  | <b>Gasket Maker</b>                 |
| <b>Qty. 2</b>  | <b>Threadlocker (1 Red, 1 Blue)</b> |

**Note: This install kit is to be used with part number 2364-ATB-AA**

Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356 Or [www.helminc.com](http://www.helminc.com)

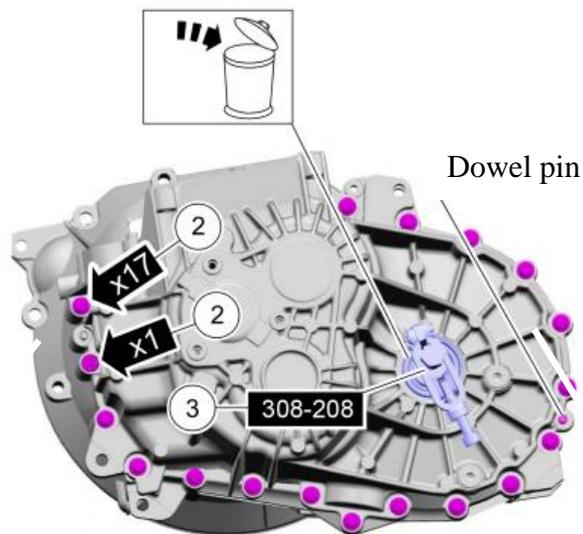
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**With transmission removed from vehicle.**

## Transmission

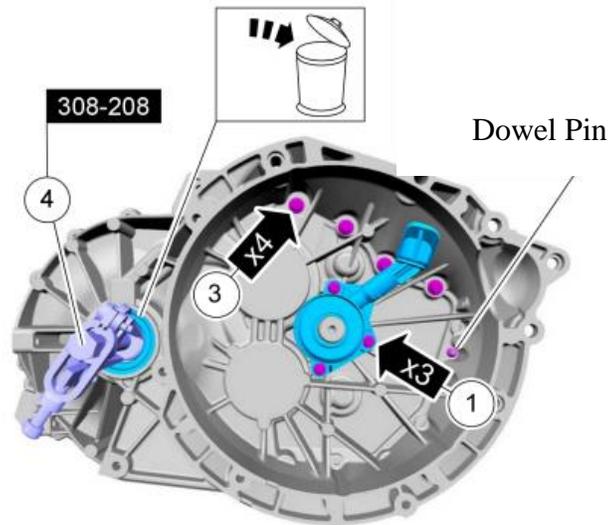
**NOTE:** Make sure that the selector lever is in the neutral (N) position.

1. With transmission in neutral, remove the following bolts and axle seals. Install new axle seals upon reassembly

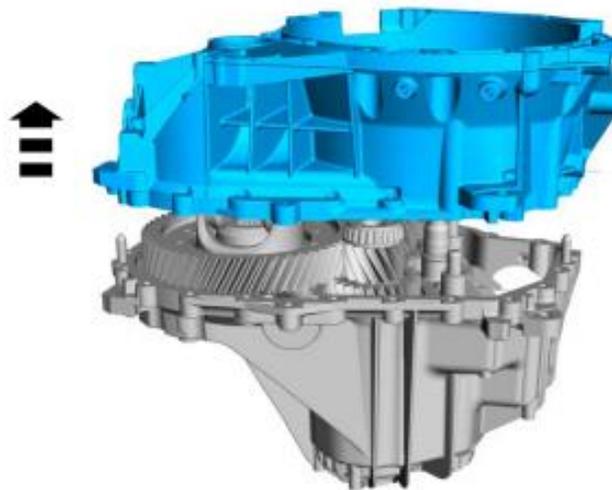


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2. Remove the following bolts and axle seal. Install new axle seals upon reassembly

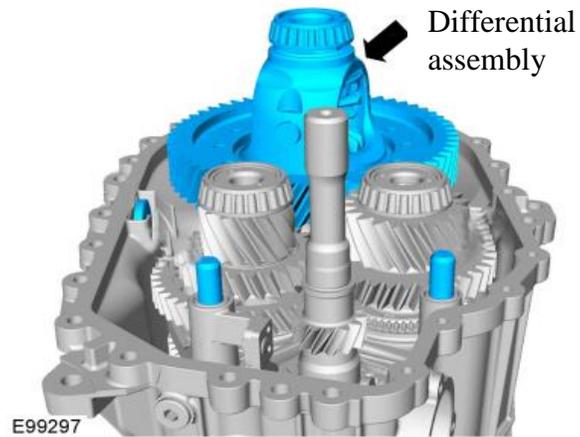


3. Separate case as shown.



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4. Remove differential assembly.

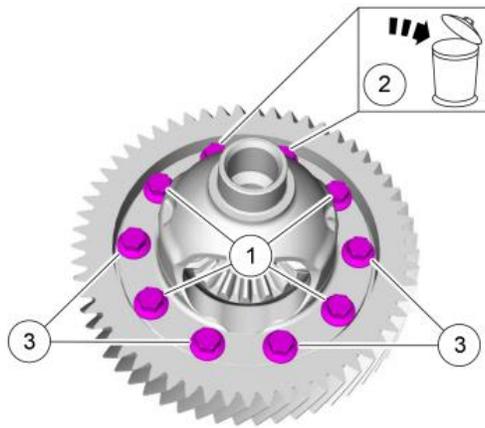


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## Differential Disassembly

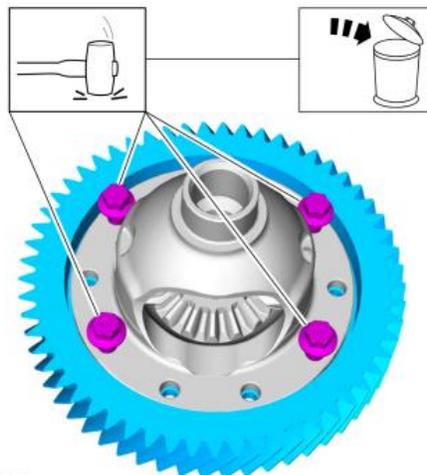
**NOTICE:** Use vise jaw protectors.

1. Remove the following items:
  1. Loosen: Four turn(s)
  2. Discard 6 bolts.
  3. Save four bolts for reassembly the ring gear.



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2. Tap down with rubber mallet.



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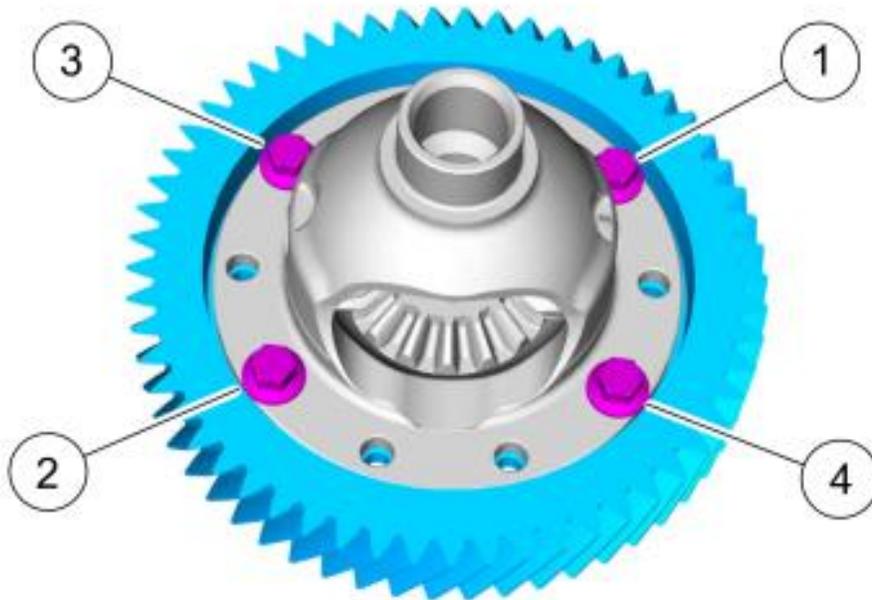
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## ASSEMBLY

**NOTICE: Use vise jaw protectors.**

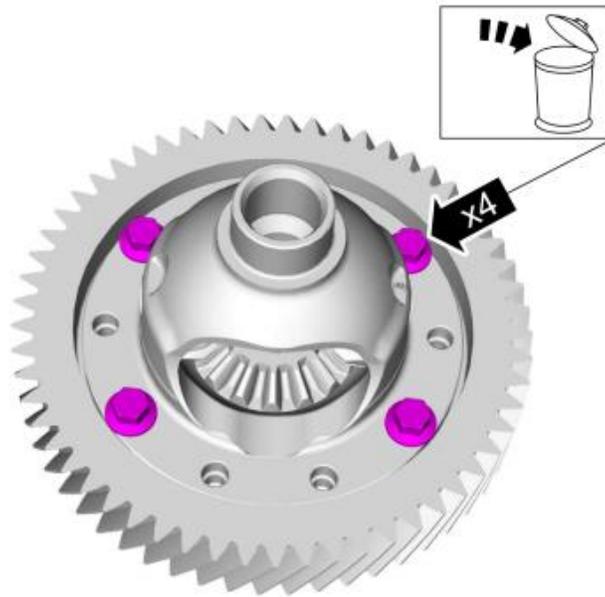
1. Clamp the differential in a vise.
2. **NOTE:** *Make sure that the mating faces are clean and free of foreign material.*

- Install the four bolts saved during disassembly.
- Tighten each bolt 1 turn at a time in the sequence shown.  
*Torque: 37 lb.ft (50 Nm)*

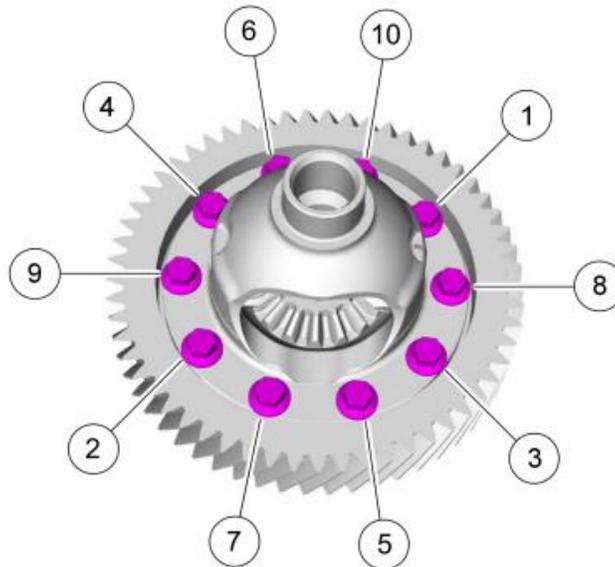


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3. Remove and discard the 4 bolts.



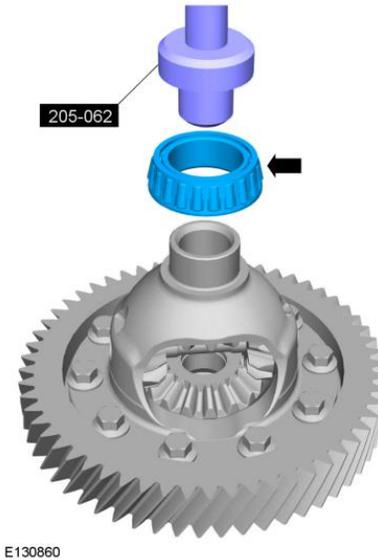
4. Install the 10 new bolts and tighten each bolt 1 turn at a time. (Apply red Loctite to all bolts)  
Torque:  
Stage 1: 37 lb.ft (50 Nm)  
Stage 2: 90°



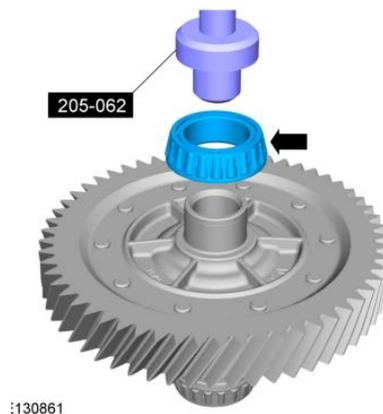
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5. The roller bearing must not be lubricated.  
Use Special Service Tool: 205-062 Installer, Differential Bearing.



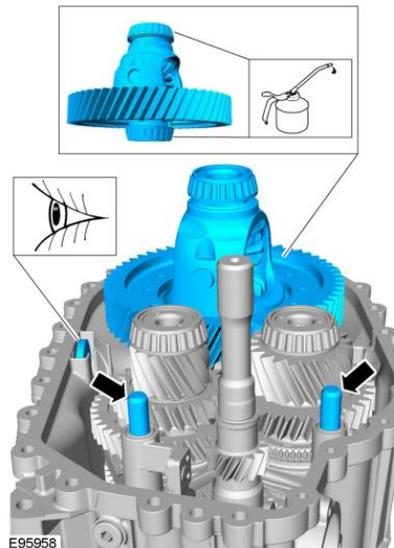
6. The roller bearing must not be lubricated.  
Use Special Service Tool: 205-062 Installer, Differential Bearing.



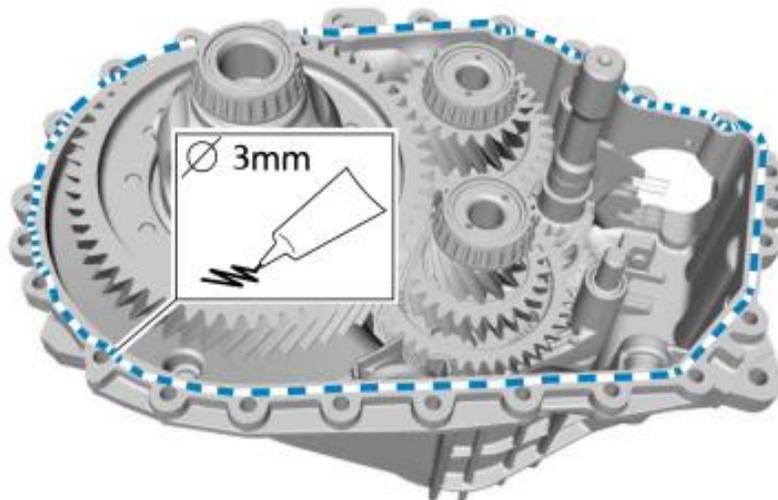
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## Transmission Assembly

1. Apply Gear/Transmission Fluid - 75W to gears and bearings.

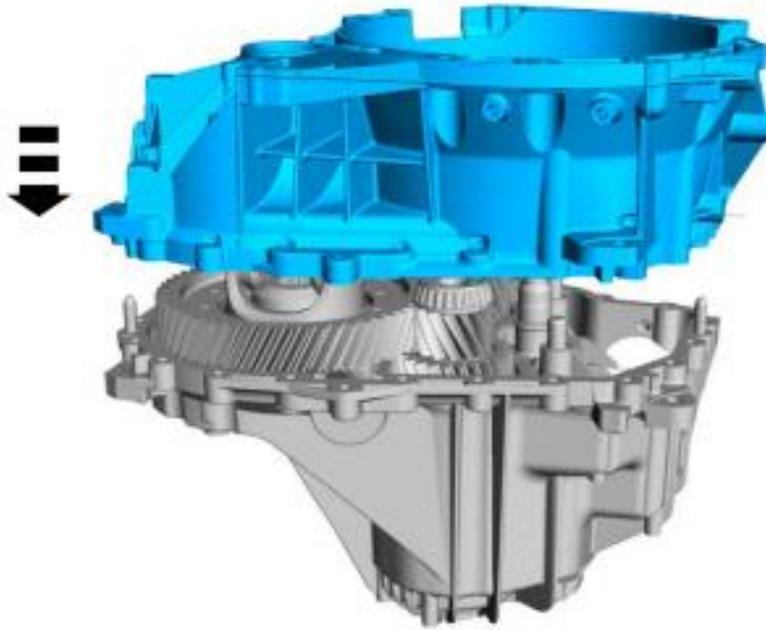


2. Clean mating surfaces of transmission case and apply sealant TA-16 gasket maker.

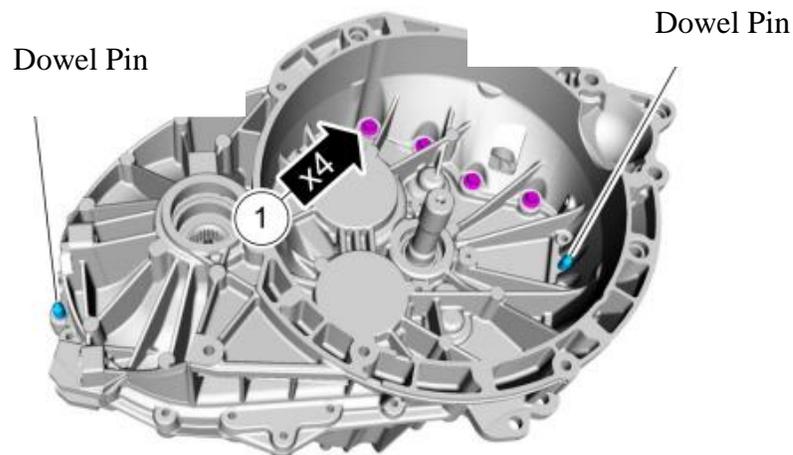


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3. Install cover.

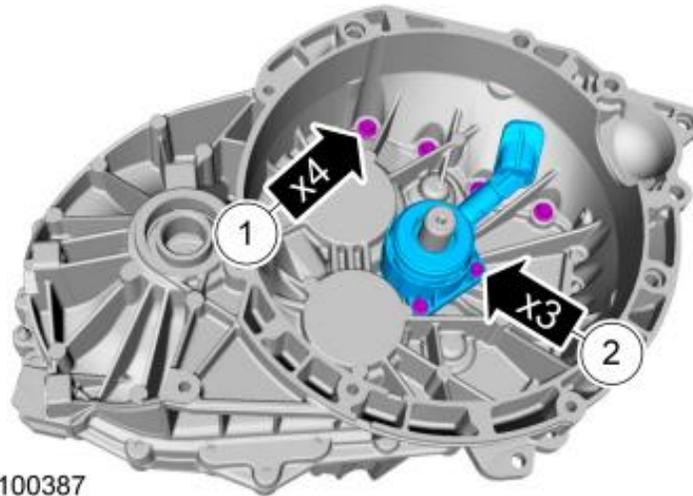


4. NOTE: Only tighten the bolts finger tight at this stage. Apply blue Loctite to all transmission bolts.



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5. Torque the following bolts.
1. Torque: 32 Nm
  2. Torque: 11 Nm



- 6.
1. Torque: 32 Nm
  2. Tighten the bolts diagonally in stages as shown.  
Torque: 32 Nm
  3. NOTE: Replace both axle shaft seals.
  4. Use Special Service Tool: 205-115 Installer, Drive Pinion Seal.

