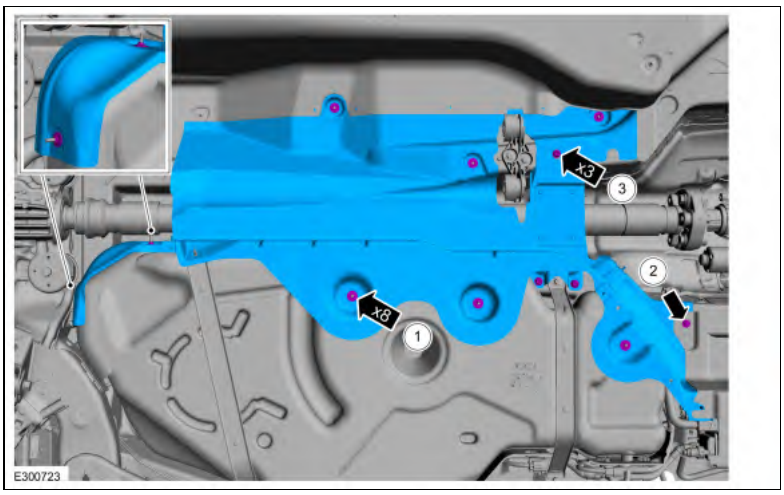
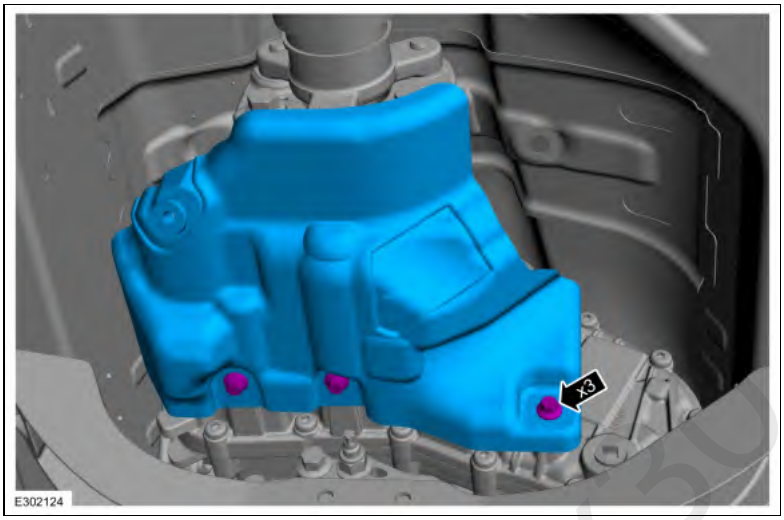


All vehicles excludes 2.3L EcoBoost

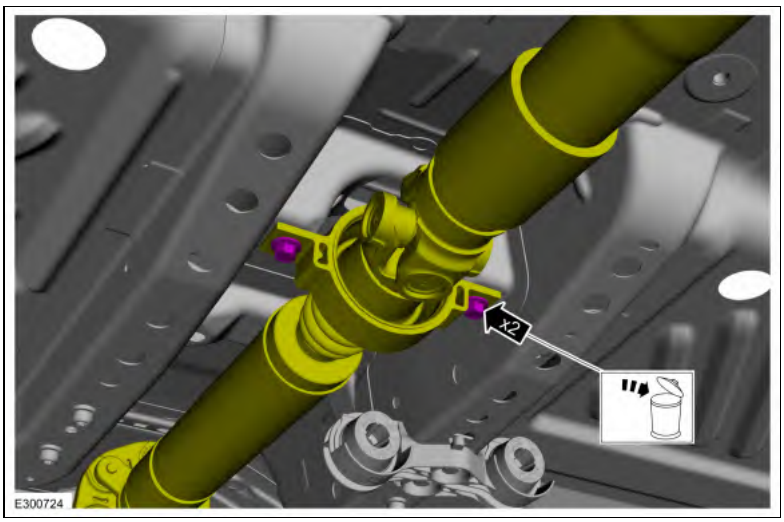
6. Remove the bolts and the transfer case heat shield.



All vehicles

7. **NOTICE: The help of a assistant may be needed. Do not over articulate the driveshaft or damage may occur.**

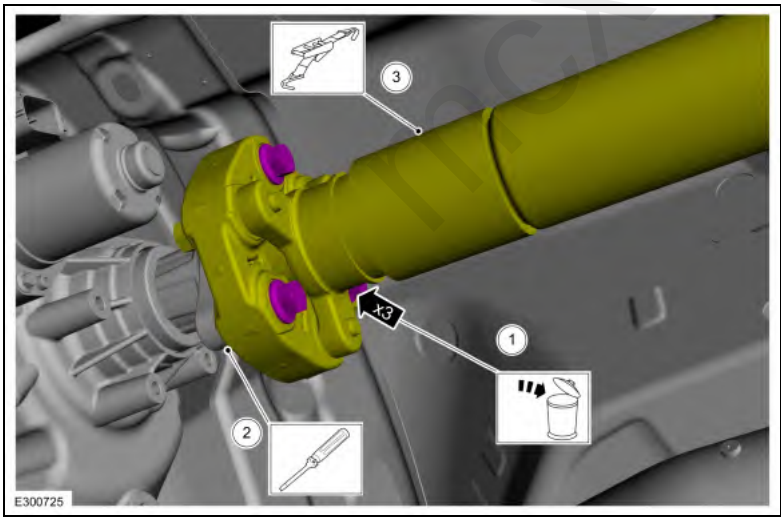
   Remove and discard the driveshaft center bearing bracket bolts.



8. **NOTICE: Do not over articulate the driveshaft or damage may occur.**

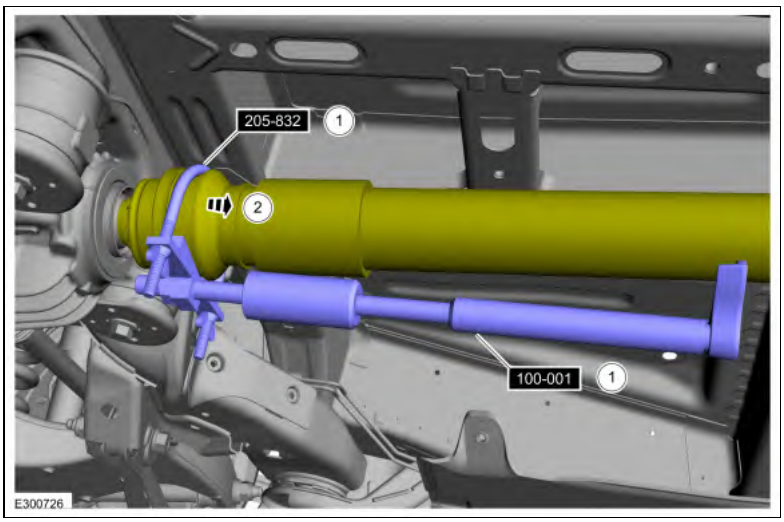
Position aside and support the rear driveshaft.

1. Mark the driveshaft flex coupling to the transfer case or transmission flange.
2. Remove and discard the driveshaft flex coupling to transfer case or transmission flange bolts.
3. Separate the flex coupling from the transfer case or transmission flange.



9.

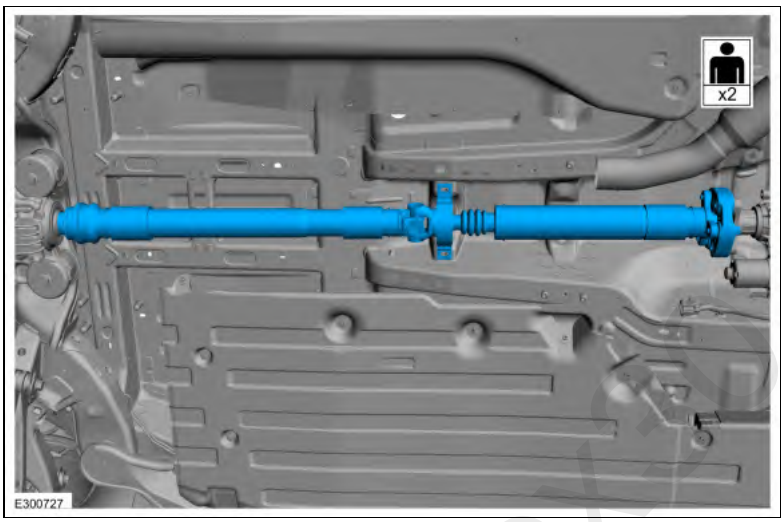
1. Install the special tools to the rear CV-joint in the machined groove on the outer diameter of the CV-joint.
2. Using special tool, pull the rear CV-joint off of the rear axle pinion stem.
   Use Special Service Tool: 205-832 Remover, Halfshaft. , 100-001 (T50T-100-A) Slide Hammer.



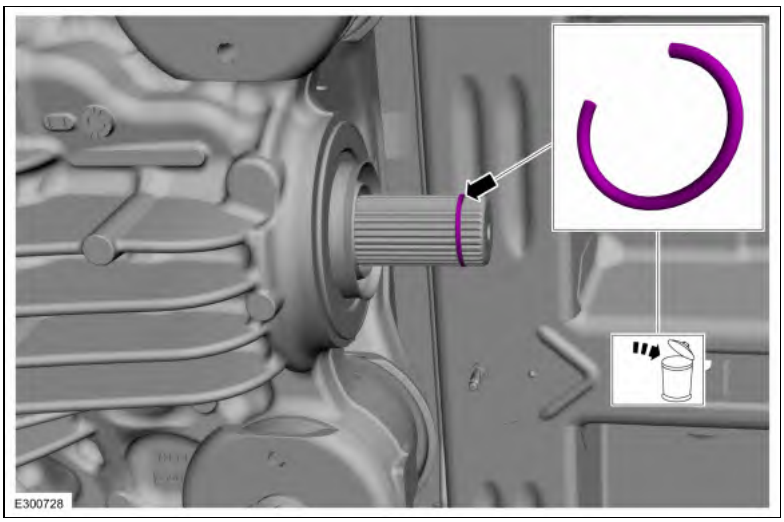
10. **NOTICE: Do not over articulate the driveshaft or damage may occur.**

    NOTE: *This step requires the aid of another technician.*

    With the help from an assistant, remove the rear driveshaft from vehicle.



11. Remove and discard the rear axle pinion stem circlip.

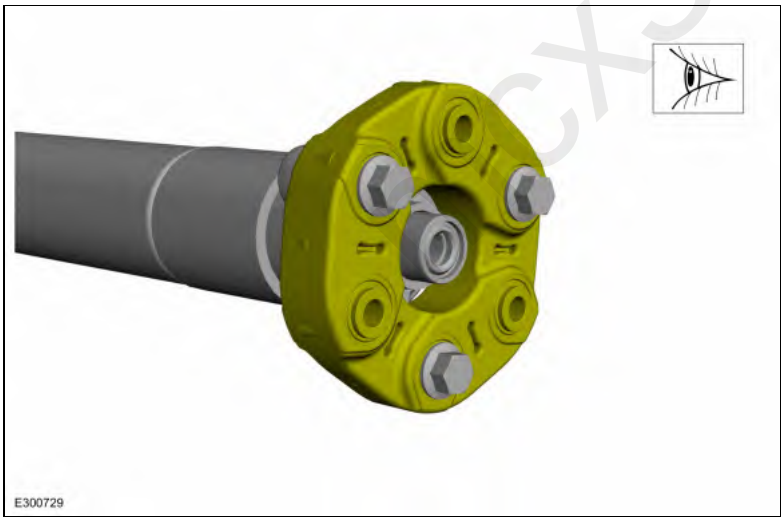


Installation

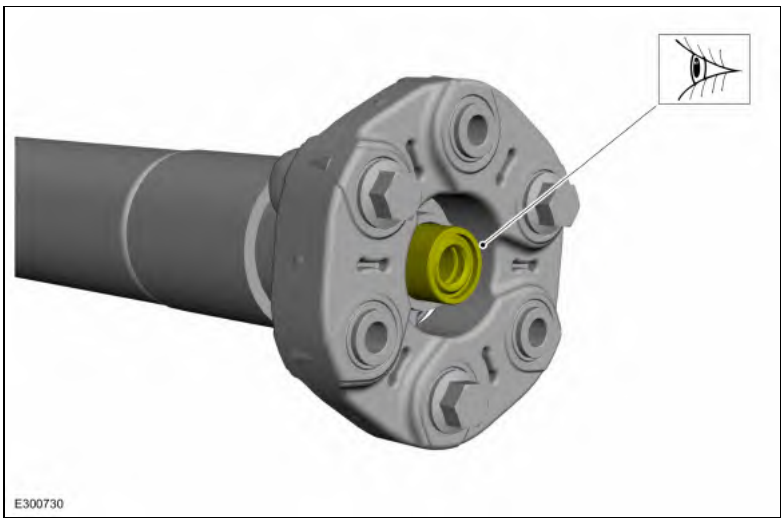
All vehicles

1. **NOTE:** *Cracks forming in the flex coupling are normal.*

   Inspect the flex coupling for damage. If internal windings (threads) are visible, replace the flex coupling if required.
   Refer to: Driveshaft Flexible Coupling (205-01 Driveshaft, Removal and Installation).



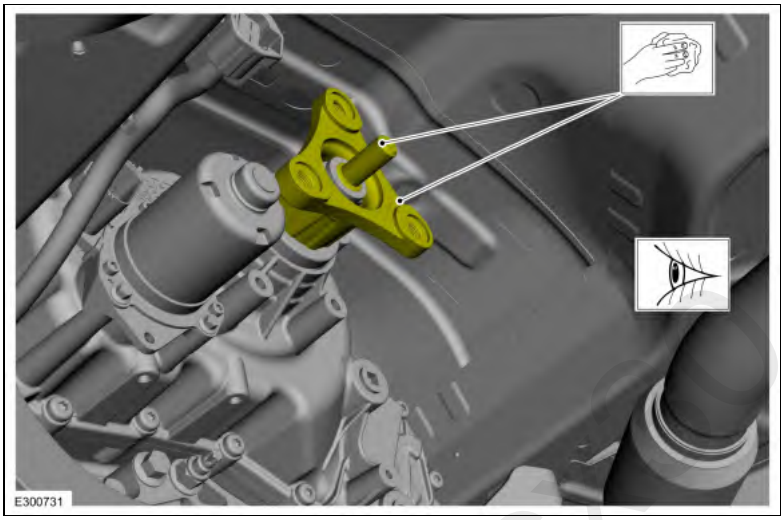
2. Inspect the driveshaft alignment bushing for damage, clean the contamination. If required replace the same.
   Refer to: Driveshaft Alignment Bushing (205-01 Driveshaft, Disassembly and Assembly).



3. **NOTE:** *Make sure that the threaded holes are clean and free of foreign matter.*

   NOTE: *Make sure that the mating faces are clean and free of foreign material.*

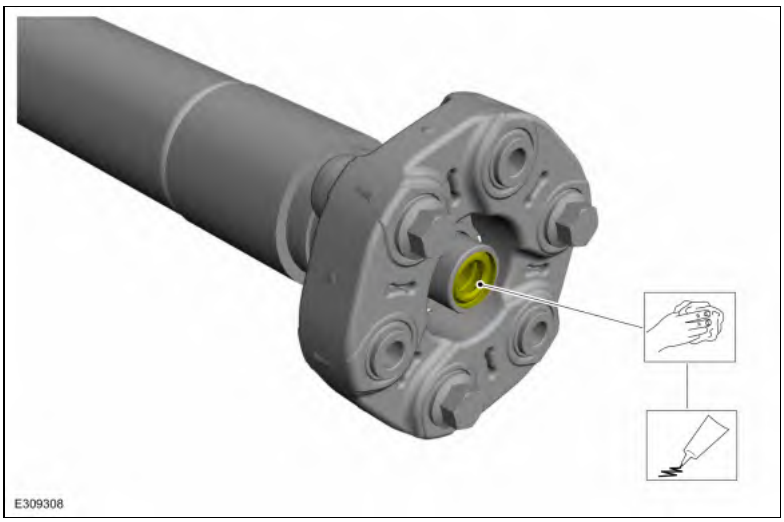
   Clean and inspect the mating surfaces of driveshaft flexible coupling. Clean the contamination or excess grease of transfer case or transmission flange and pilot spigot.



4. **NOTICE: Do not over lubricate the driveshaft components. Using excessive grease may damage the driveshaft components.**

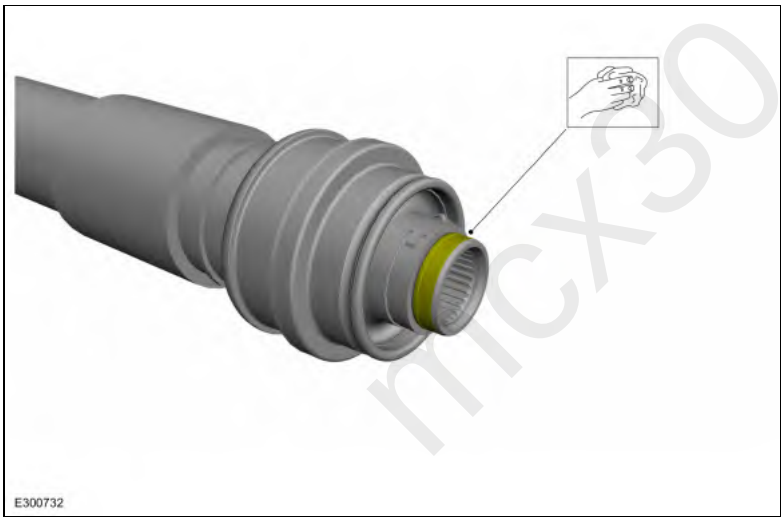
   NOTE: *Make sure that the mating faces are clean and free of foreign material.*

   Clean any contamination inside the driveshaft alignment bushing and lubricate the alignment bushing.
   Material: MotorcraftÂ® Premium Long-Life Grease / XG-1-E1 (ESA-M1C75-B)



5. **NOTE:** *Make sure that the mating faces are clean and free of foreign material.*

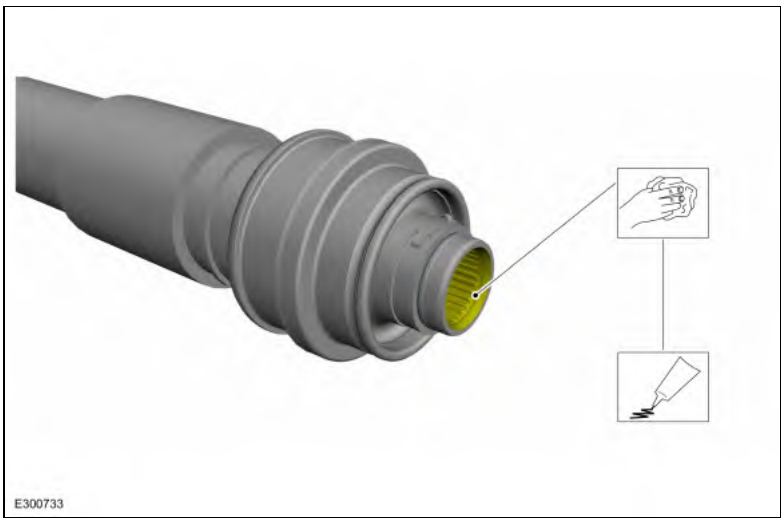
   Clean any contamination on the inner race sealing surface of the rear CV-joint.



6. **NOTICE: Do not over-lubricate the driveshaft components. Using excessive grease may damage the driveshaft components.**

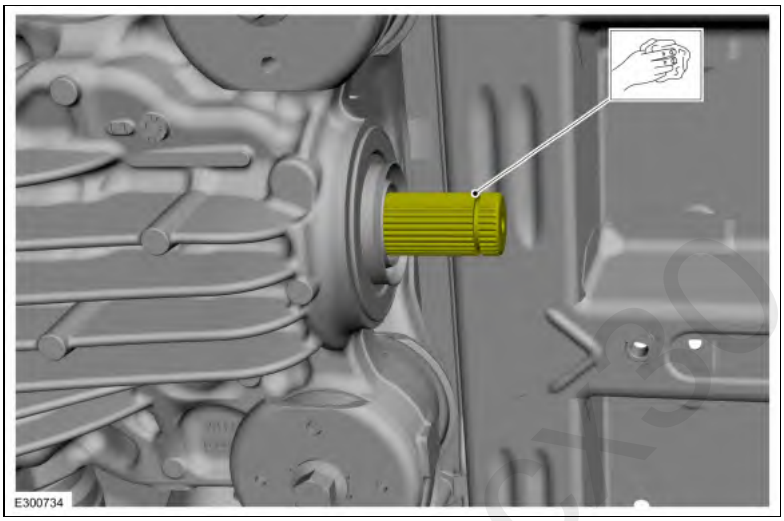
   NOTE: *Make sure that the mating faces are clean and free of foreign material.*

   Clean any contamination inside the rear CV-joint splines and lubricate the internal splines with grease.
   Material: MotorcraftÂ® Premium Long-Life Grease / XG-1-E1 (ESA-M1C75-B)



7. **NOTE:** *Make sure that the mating faces are clean and free of foreign material.*

   Clean any contamination on the rear axle pinion splines.
   Material: MotorcraftÂ® Premium Long-Life Grease / XG-1-E1 (ESA-M1C75-B)

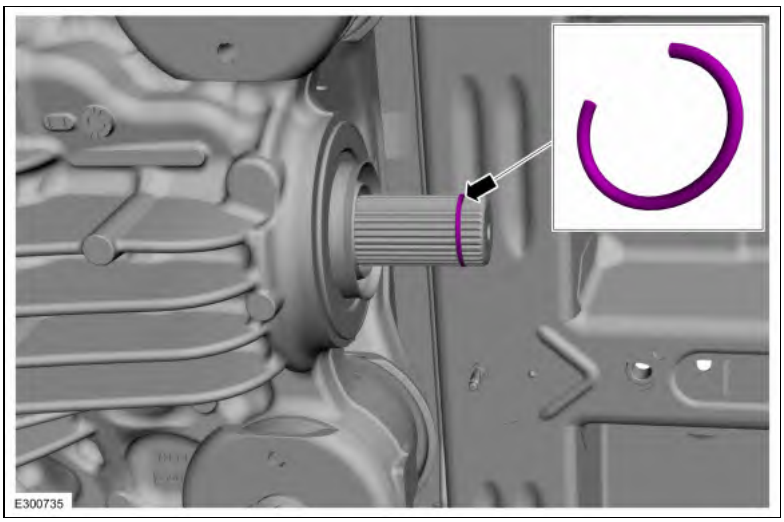


8. **NOTICE: The circlip must be side-loaded on to the rear axle pinion stem to prevent deformation of the circlip.**

   NOTE: *Make sure that a new component is installed.*

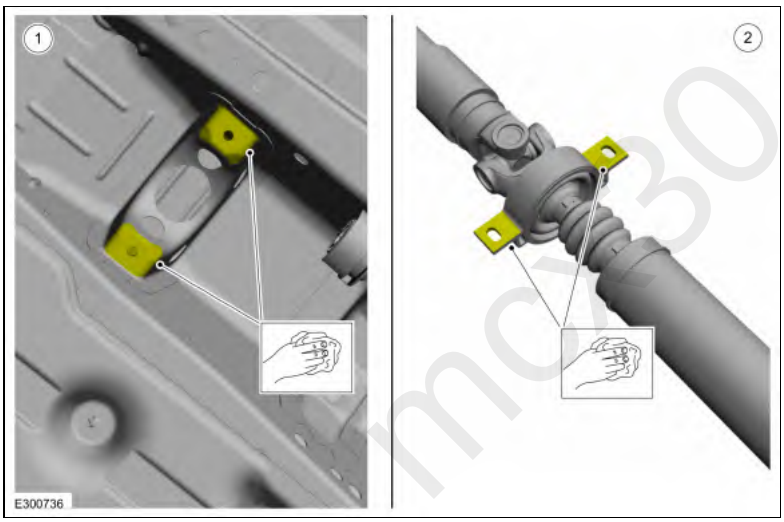
   NOTE: *Make sure that the circlip is seated correctly.*

   Install a new rear axle pinion stem circlip.



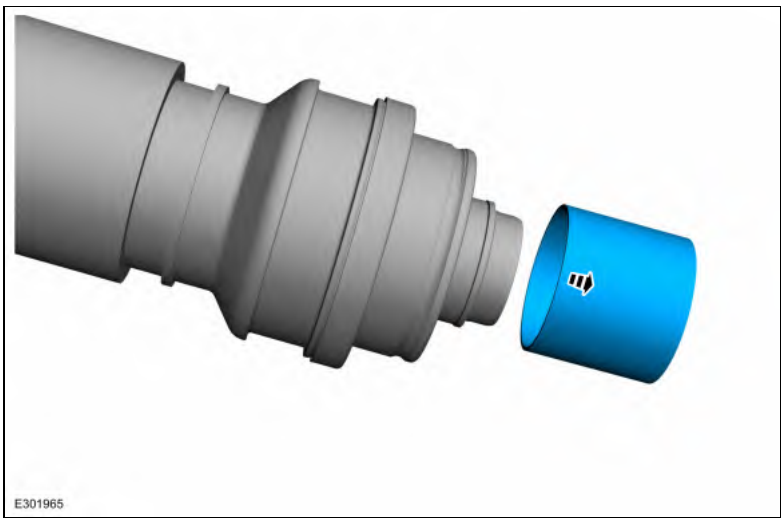
9.

1. Clean the contamination from the mounting surfaces of the underbody mating surfaces for the center bearing.
2. Clean the contamination from the mounting surfaces of the center bearing bracket mating surfaces.



10. **NOTE:** *The shipping cap is a plastic cap that goes over the inner race, to keep contamination / debris from getting into the CV-joint splines.*

    Remove the shipping cap from rear driveshaft inner race.



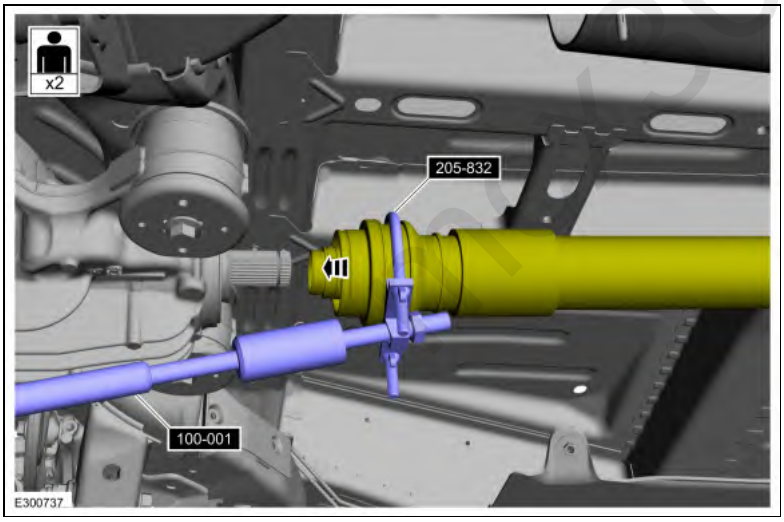
11. **NOTICE: The help of an assistant may be needed to support the driveshaft during attachment to the rear axle. Do not over articulate the driveshaft or damage may occur.**

    NOTE: *If visible, align the yellow dot on the outer diameter of the rear driveshaft CV-joint to the yellow dot on the end of the rear axle pinion stem.*

    NOTE: *When seating the rear driveshaft CV-joint to the rear axle, ONLY apply force to the rear CV-joint itself. DO NOT apply force from the front tube end of the driveshaft to seat the rear CV-joint to the rear axle.*

    NOTE: *This step requires the aid of another technician.*

    Attach the special tools to the rear CV-joint in the machined groove on the outer diameter of the CV-joint as shown and impact the hammer to seat the rear CV-joint to the rear axle.
    Use Special Service Tool: 205-832 Remover, Halfshaft. , 100-001 (T50T-100-A) Slide Hammer.

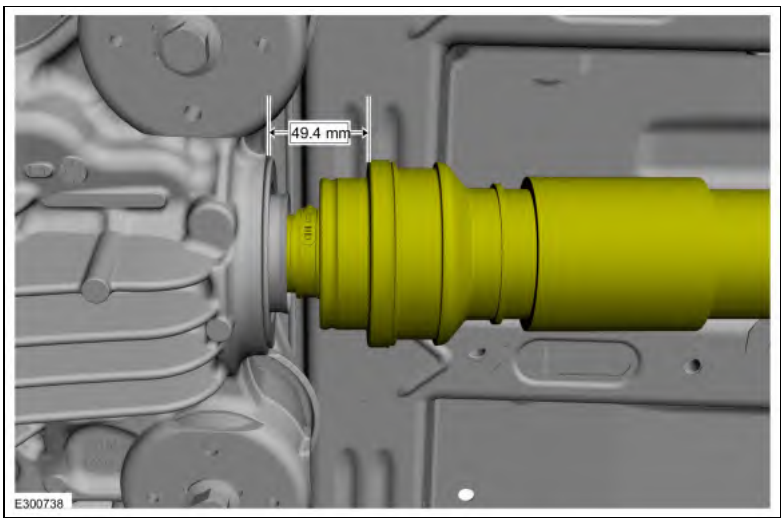


Vehicles equipped with 8.1-inch rear CV-joint

12. **NOTE:** *There is a casting parting line on the housing for reference of the centerline.*

    NOTE: *Maintain a suitable distance between the components.*

    Ensure the seated installed position for the rear driveshaft CV-joint into the rear drive axle pinion stem.

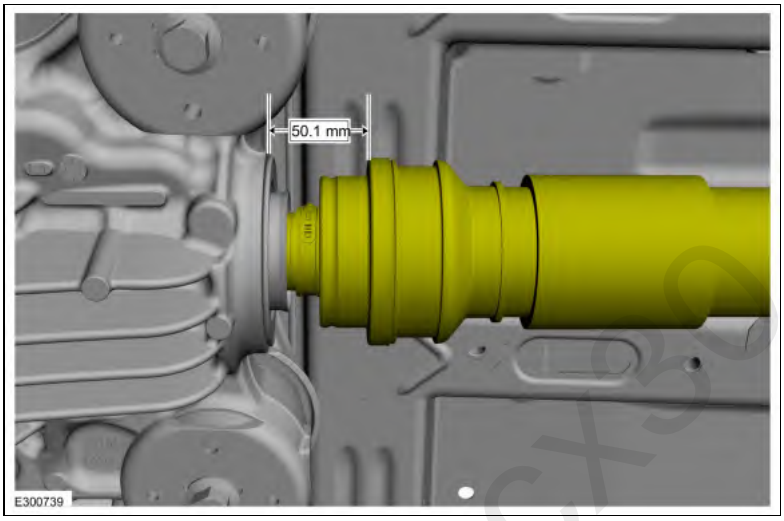


Vehicle equipped with 8.8-inch rear CV-joint

13. **NOTE:** *There is a casting parting line on the housing for reference of the centerline.*

    NOTE: *Maintain a suitable distance between the components.*

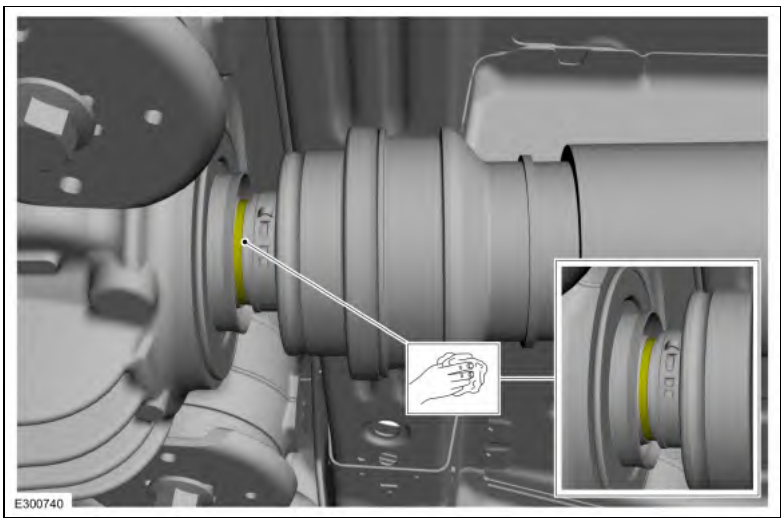
    Ensure the seated installed position for the rear driveshaft CV-joint into the rear drive axle pinion stem.



All vehicles

14. **NOTICE: Do not over-lubricate the driveshaft components. Using excessive grease may damage the driveshaft components.**

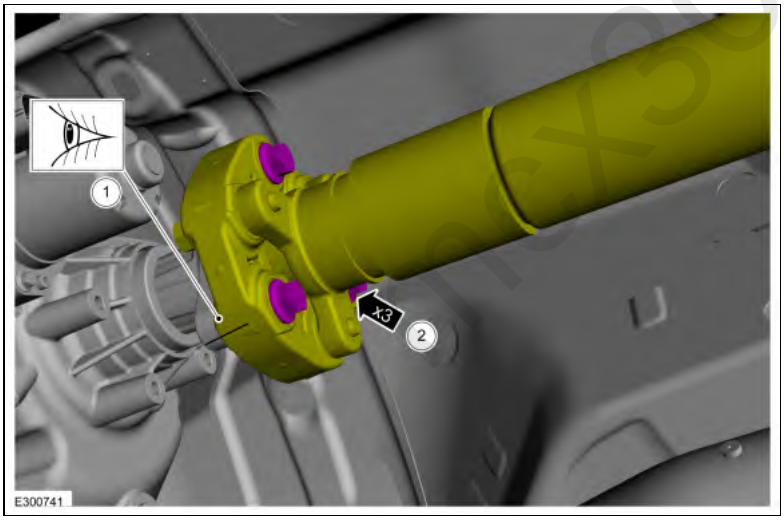
    Clean the excess spline grease that is visible outside of the CV-joint to rear axle seal interface.



15. **NOTICE: Do not over articulate the driveshaft or damage may occur.**

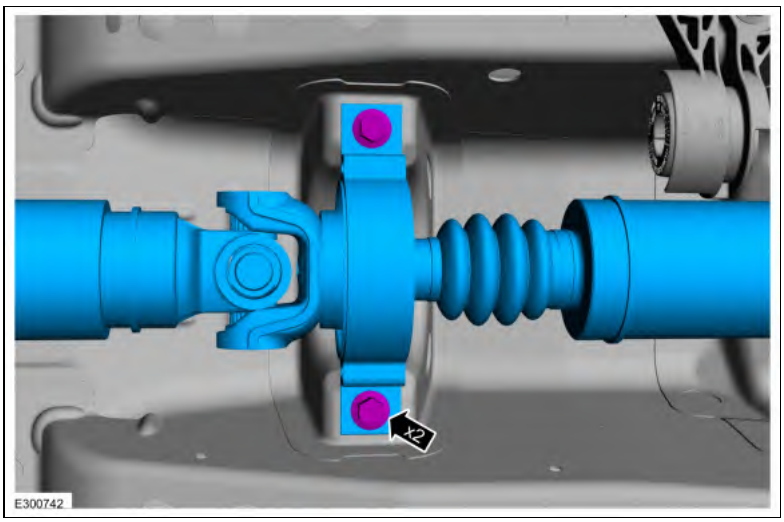
    NOTE: *Do not force the flex coupling bushing on the transfer case output shaft or damage will occur.*

    1. Align the index-mark on driveshaft flexible coupling to the transfer case or transmission flange.
    2. Install the new driveshaft flex coupling to transfer case or transmission flange bolts.
       Torque: 81 lb.ft (110 Nm)



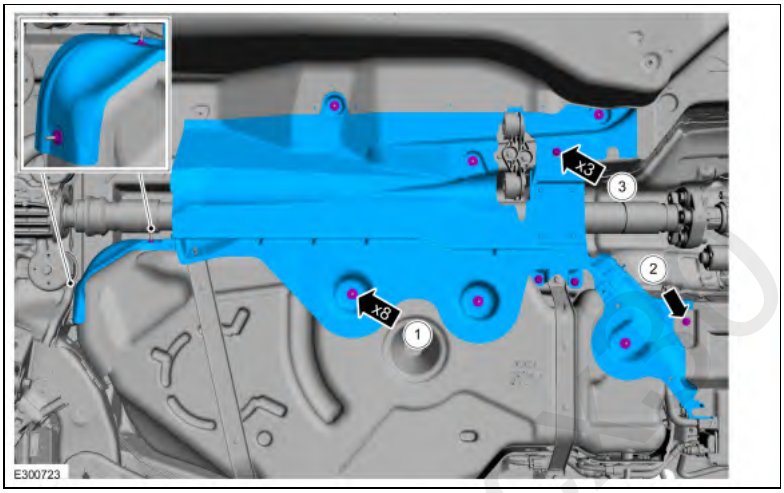
16. **NOTE:** *Check that the slot position of the bolts is equal side to side of the center bearing before final securing of bolts. This will ensure the center bearing isolator is not twisted in the vehicle.*

    Mate the driveshaft center bearing to the underbody bracket and install the new driveshaft center bearing bracket bolts.
    Torque: 35 lb.ft (48 Nm)

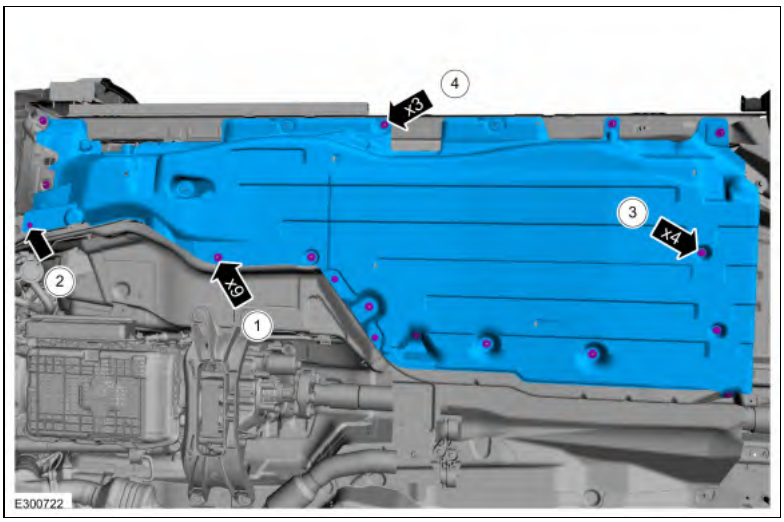


Vehicles equipped with 3.0L and 3.3L Engine

17.
Install front floor heat shield.
1. Install the nuts and washers.
2. Install a bolt.
3. Install the screws and washers.



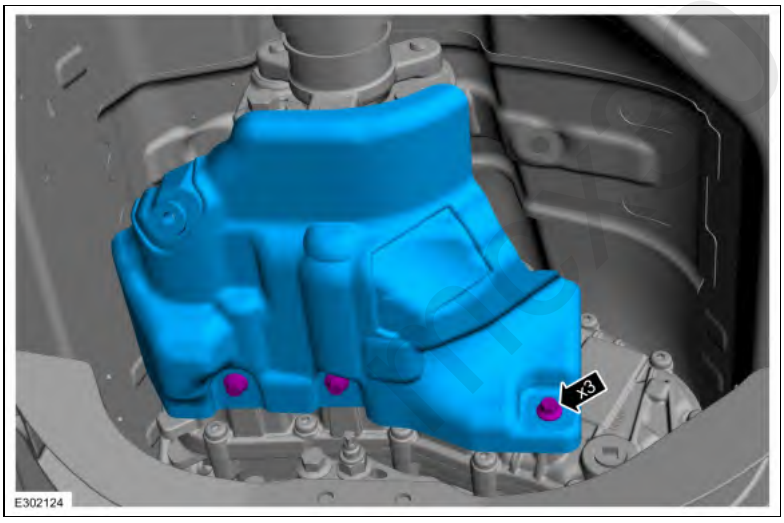
18.
Install the front air deflector assembly.
1. Install the nuts and washers.
Torque: 53 lb.in (6 Nm)
2. Install a bolt.
3. Install the push pins.
4. Install the nuts.



All vehicles excludes 2.3L EcoBoost

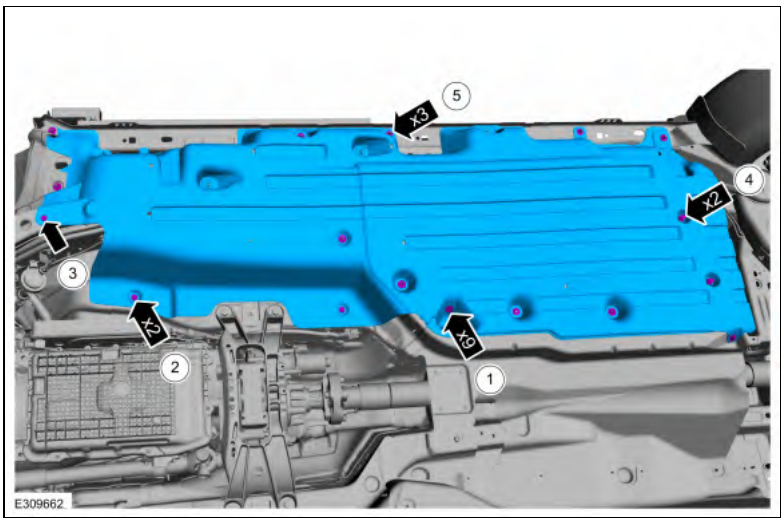
19. **NOTICE: Ensure that the transfer case heatshield does not contact the driveshaft flex coupling.**

    Install the transfer case heat shield and the bolts.
    Torque: 21 lb.ft (28 Nm)



Vehicles equipped with 2.3L EcoBoost

20.
    Install front floor deflector assembly.
    1. Install the nuts and washers.
       Torque: 53 lb.in (6 Nm)
    2. Install screw and washer.
    3. Install a bolt.
    4. Install the push pins.
    5. Install the nuts.



All vehicles

21. Remove the exhaust flexible pipe.
    Refer to: Exhaust Flexible Pipe (309-00B Exhaust System - 3.0L EcoBoost, Removal and Installation).
    Refer to: Exhaust Flexible Pipe (309-00C Exhaust System - 3.3L Duratec-V6, Removal and Installation).
    Refer to: Exhaust Flexible Pipe (309-00D Exhaust System - 3.3L Duratec-V6 â€“ Hybrid (BP), Removal and Installation).
    Refer to: Exhaust Flexible Pipe - Plug-In Hybrid Electric Vehicle (PHEV), Emission Requirements: Stage 6 (309-00C) .

22. Install the muffler and tailpipe.
    Refer to: Muffler and Tailpipe (309-00A Exhaust System - 2.3L EcoBoost (201kW/273PS), Removal and Installation).
    Refer to: Muffler and Tailpipe (309-00B Exhaust System - 3.0L EcoBoost, Removal and Installation).
    Refer to: Muffler and Tailpipe (309-00C Exhaust System - 3.3L Duratec-V6, Removal and Installation).
    Refer to: Muffler and Tailpipe (309-00D Exhaust System - 3.3L Duratec-V6 â€“ Hybrid (BP), Removal and Installation).

Rear Driveshaft Slip Yoke Boot

Special Tool(s) / General Equipment

Crimping Tool

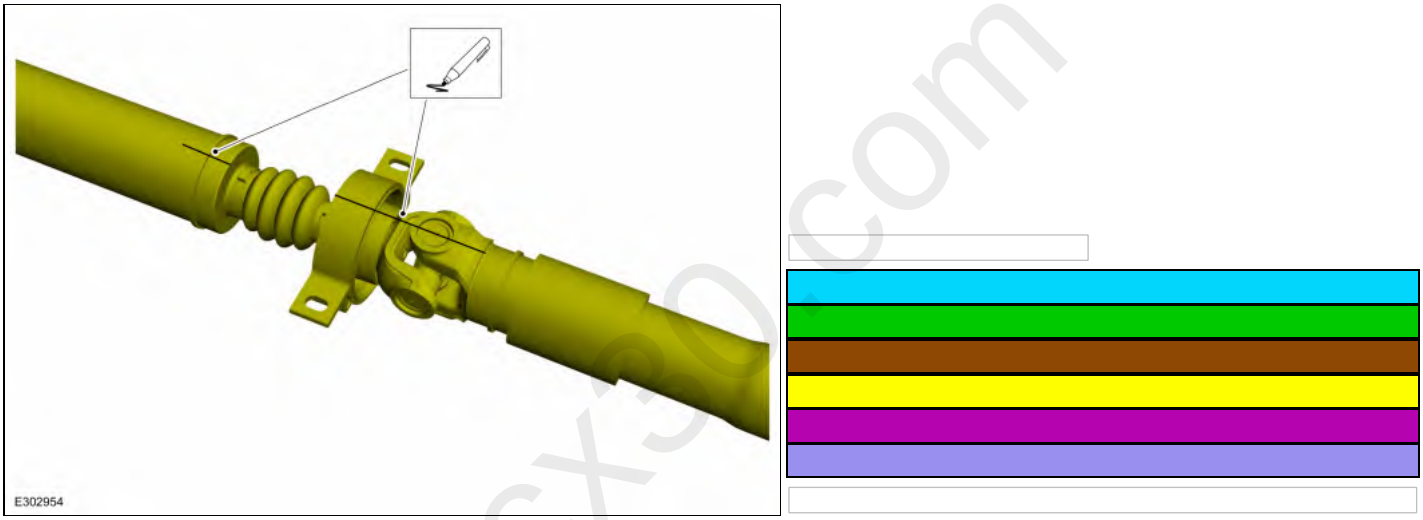
Materials

Name	Specification
MotorcraftÂ® Premium Long-Life Grease XG-1-E1	ESA-M1C75-B

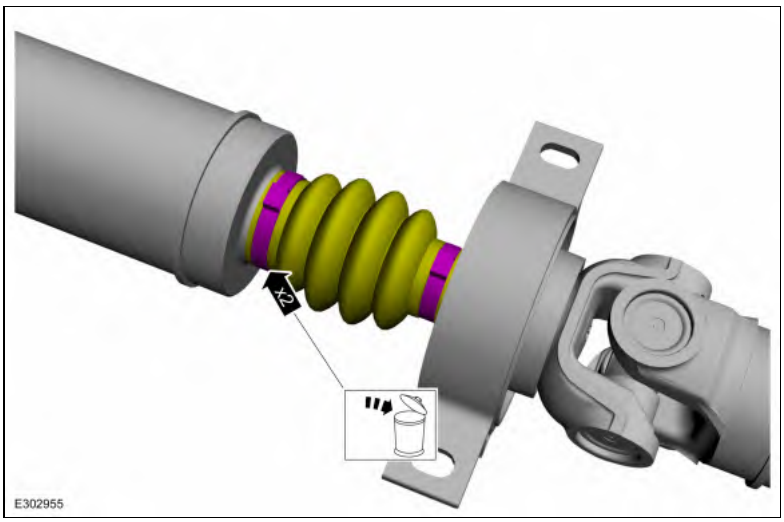
Removal

1. Remove the rear driveshaft.
   Refer to: Rear Driveshaft (205-01) .
2. **NOTE:** *The driveshaft has to be reassembled in the same phase as it was before disassembly. If the driveshaft isn't assembled in the same phase, a vibration can result.*

   Mark the driveshaft assembly for reassembly.

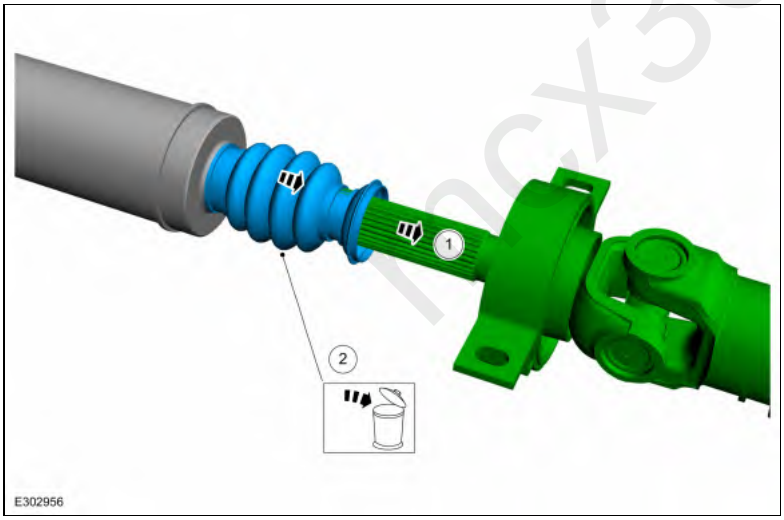


3. Remove and discard the spline yoke boot clamps.



4.

1. Disconnect the driveshaft spline yoke.
2. Remove and discard the driveshaft slip yoke boot.



Installation

1. **NOTE:** *The boot groove should dry and free of grease / oils prior to install the boot.*
   - Clean the driveshaft splines.
   - Clean and degrease the boot groove and bearing journal on the spline yoke.