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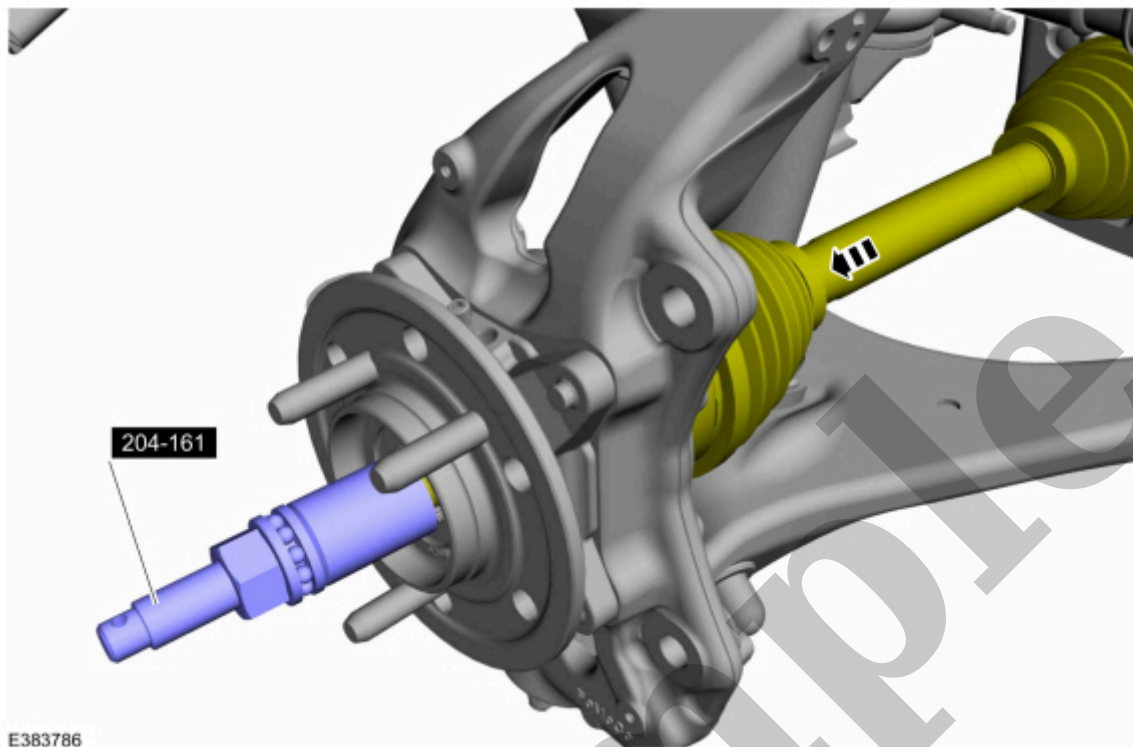
2018 Ford Expedition Service Manual & Repair Workshop Guide

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4. Pull the halfshaft into the front wheel bearing and wheel hub.

Use Special Service Tool : 204-161 (T97P-1175-A) Installer, Halfshaft



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5. NOTICE

Do not tighten the front wheel hub nut with the vehicle on the ground. The nut must be tightened to specification before the vehicle is lowered onto the wheels. Wheel bearing damage will occur if the wheel bearing is loaded with the weight of the vehicle applied.

NOTICE

Install and tighten the new wheel hub nut to specification in a continuous rotation. Always install a new wheel hub nut after loosening or when not tightened to specification in a continuous rotation or damage to the components may occur.

NOTE

Front Halfshaft RH - Electric

205-04 Front Drive Halfshafts	2022 F-150
Removal and Installation	Procedure revision date: 11/18/2022

Front Halfshaft RH - Electric

Removal

NOTE

Removal steps in this procedure may contain installation details.

1. Remove the wheel and tire.

Refer to: [Wheel and Tire](#)(204-04A Wheels and Tires, Removal and Installation).

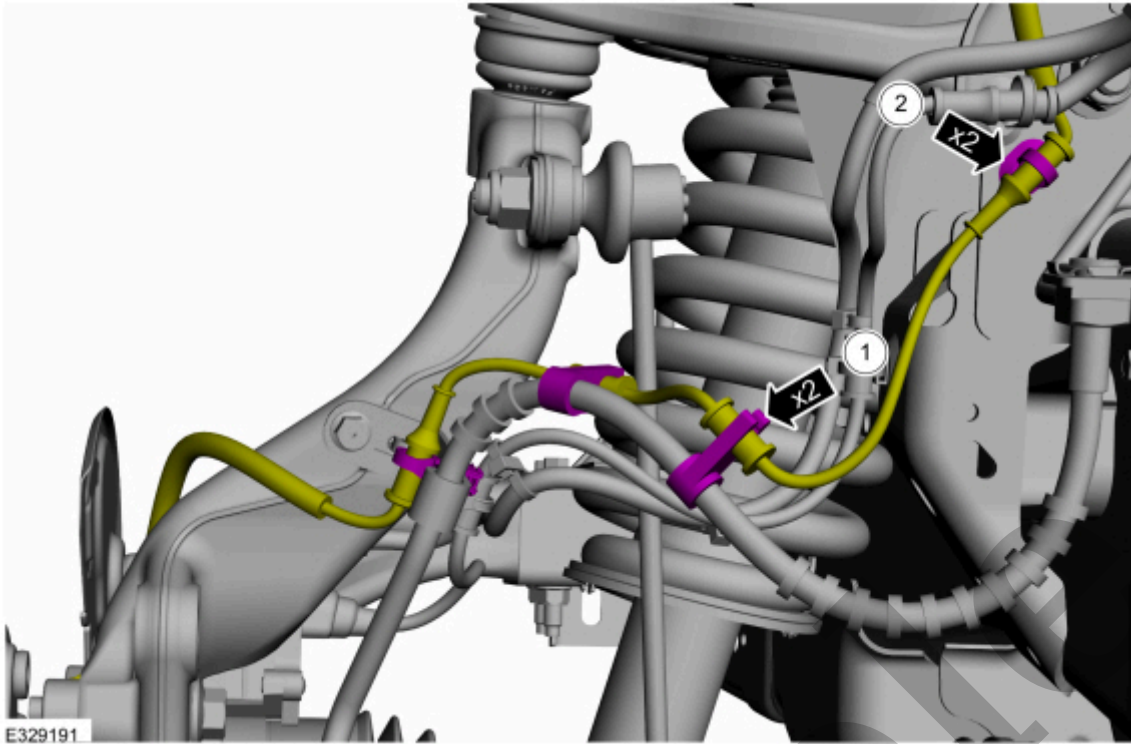
2. Remove the front undershield.

Refer to: [Engine Front Undershield - Electric](#)(501-02 Front End Body Panels, Removal and Installation).

3. **NOTE**

This step requires the aid of another technician.

Remove and discard the wheel hub nut.



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6. NOTICE

Do not use a hammer to separate the tie rod end from the wheel knuckle or damage to the wheel knuckle may result.

NOTICE

Use care when installing the tie rod separator or damage to the tie rod end boot may occur.

NOTE

Use the hex-holding feature to prevent turning of the stud while removing the tie rod end nut.

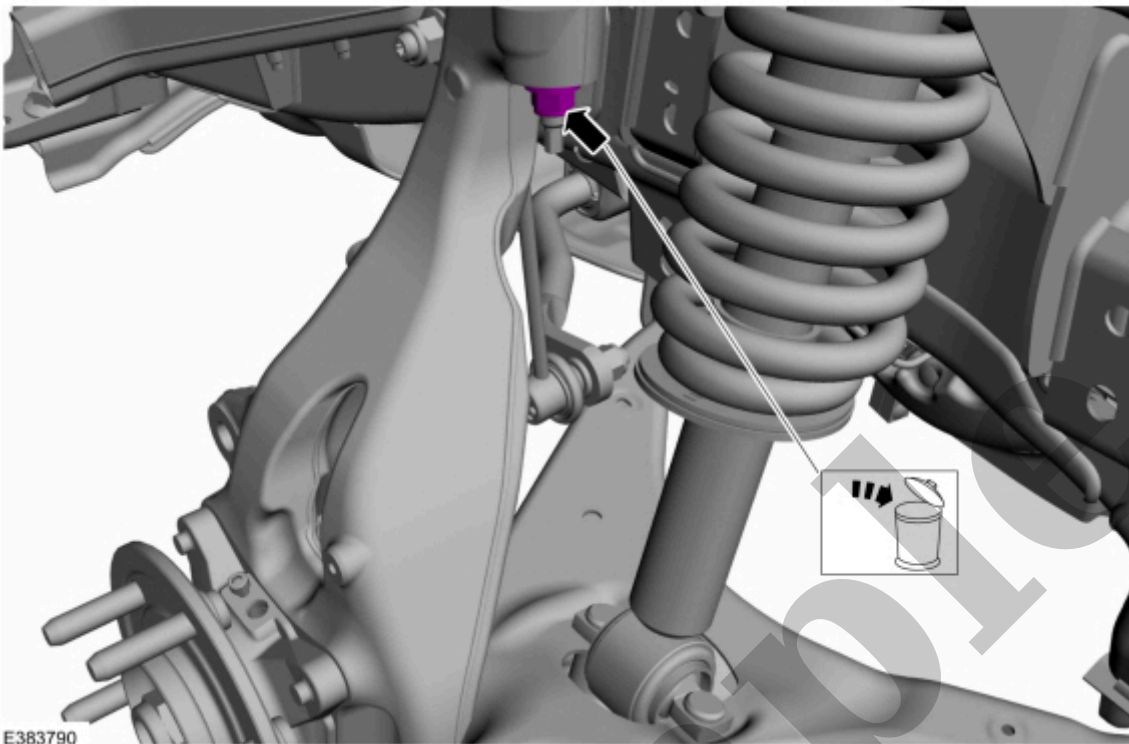
Remove and discard the tie rod end nut and separate the tie rod end from the wheel knuckle.

Use the General Equipment: Tie Rod End Remover

Torque : 66 lb.ft (90 Nm)

8. Remove and discard the upper ball joint nut.

Torque : 46 lb.ft (63 Nm)



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9. **NOTE**

Be sure not to damage the ball joint boot when installing the Ball Joint Separator.

Separate the upper ball joint from the wheel knuckle.

Use Special Service Tool : 204-592/1 Adapter for 204-592

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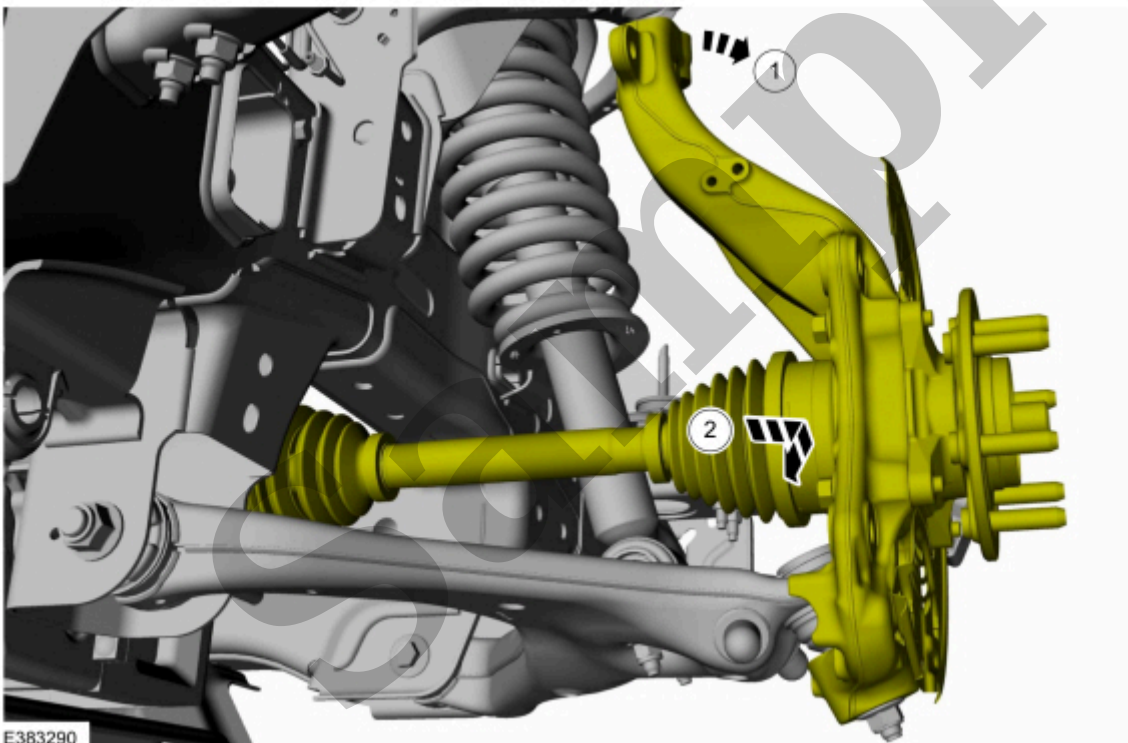
11. **NOTICE**

Make sure that no load is placed on the brake hose.

NOTICE

Never allow the knuckle to hang from the upper and lower control arms or damage to the ball joints can occur.

1. Position the wheel knuckle to gain access.
2. Remove the CV (constant velocity) shaft joint outboard end.

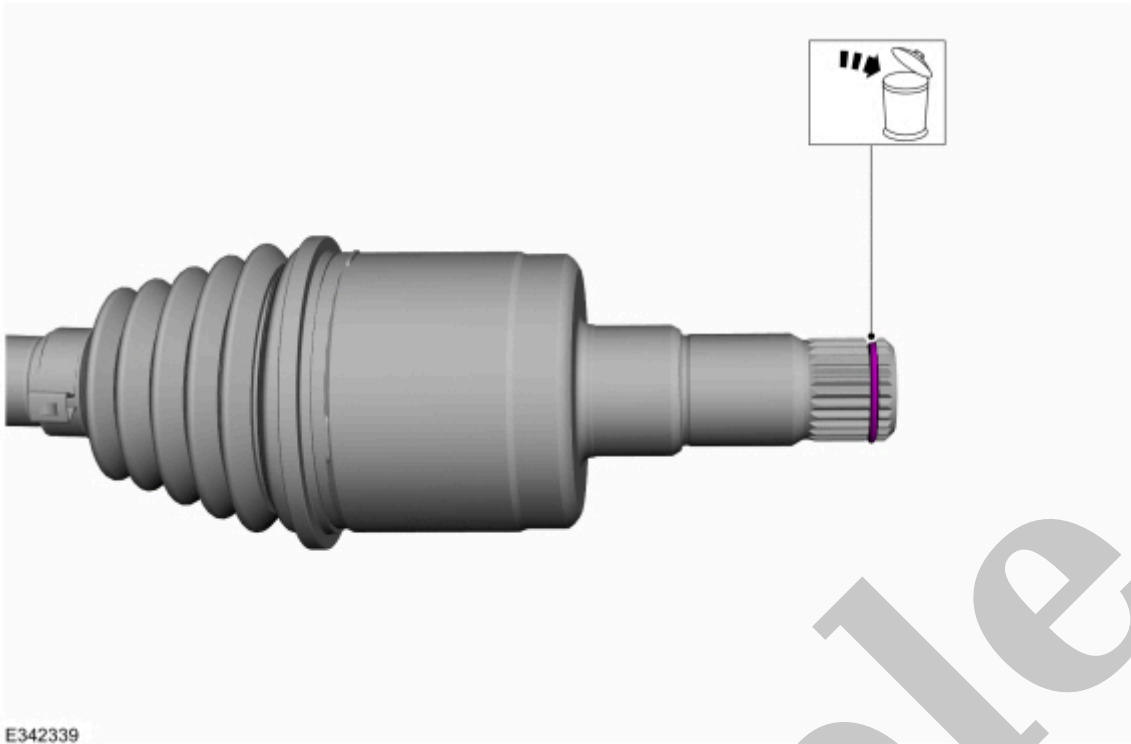


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12. **NOTICE**

Take care not to damage the mating faces.

NOTICE

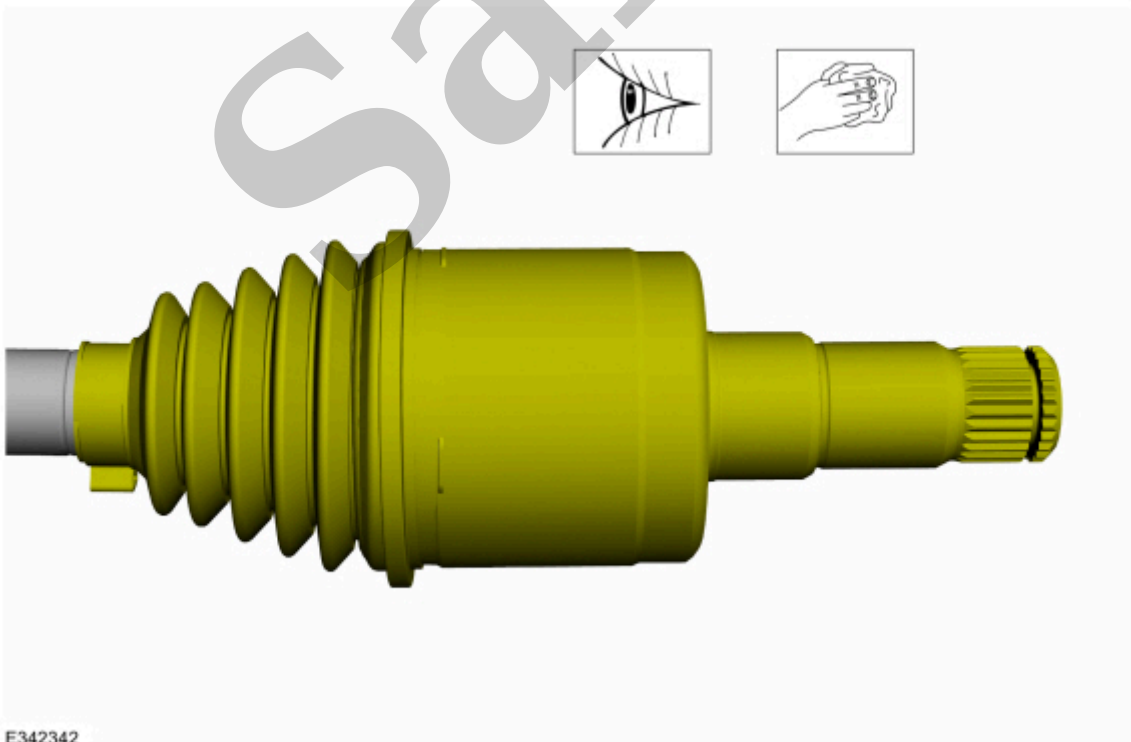


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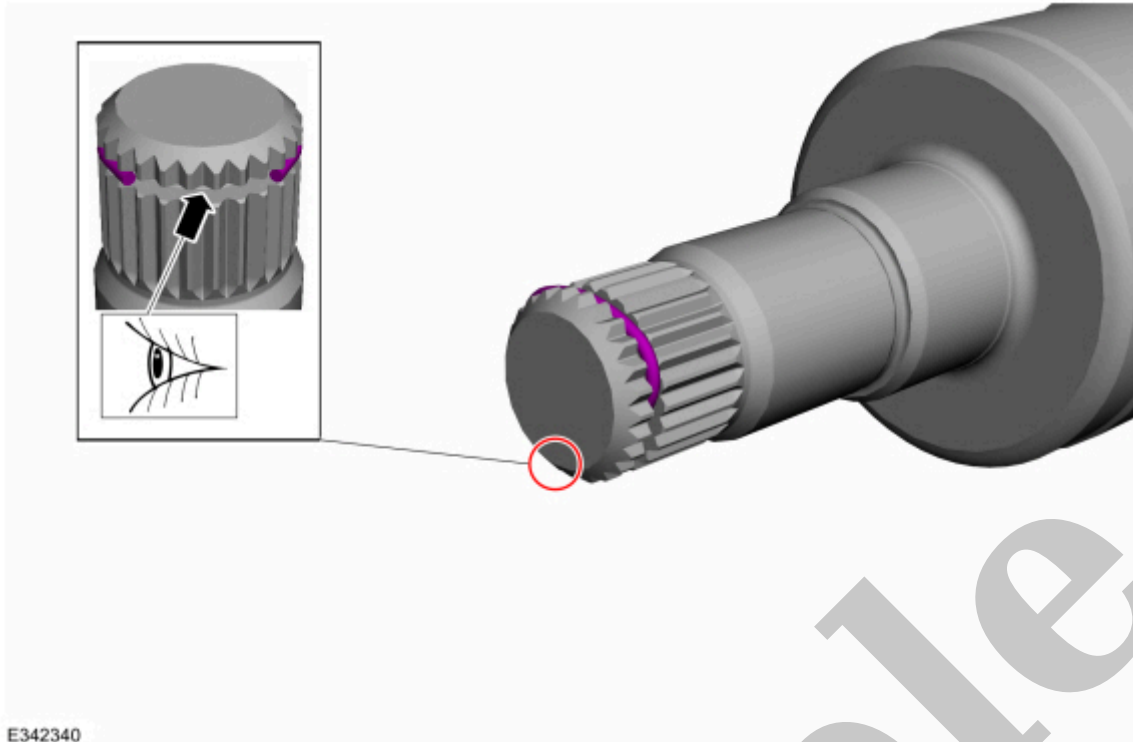
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Installation

1. To install, reverse the removal procedure.
2. Clean and inspect the inboard end of the halfshaft.



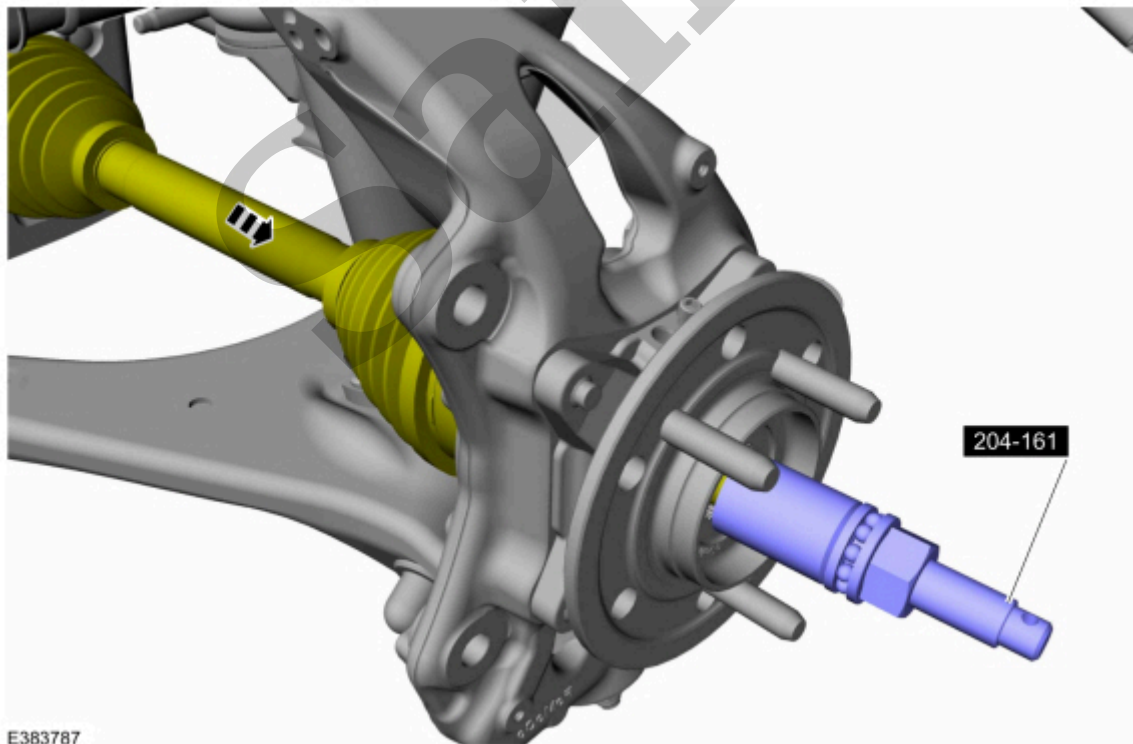
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5. Pull the halfshaft into the front wheel bearing and wheel hub.

Use Special Service Tool : 204-161 (T97P-1175-A) Installer, Halfshaft



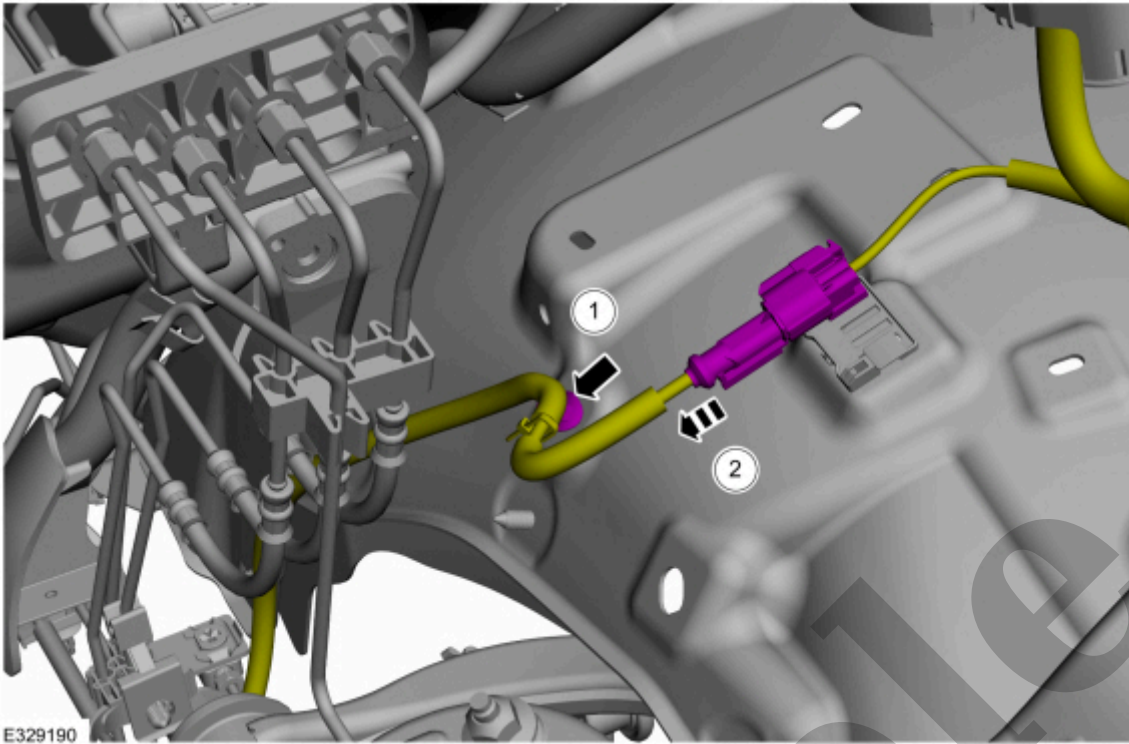
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7. Check and top off the front electric drive assembly oil level.

Refer to: Drive Assembly Oil Draining and Filling (302-01 Front Electric Drive Assembly, General Procedures).

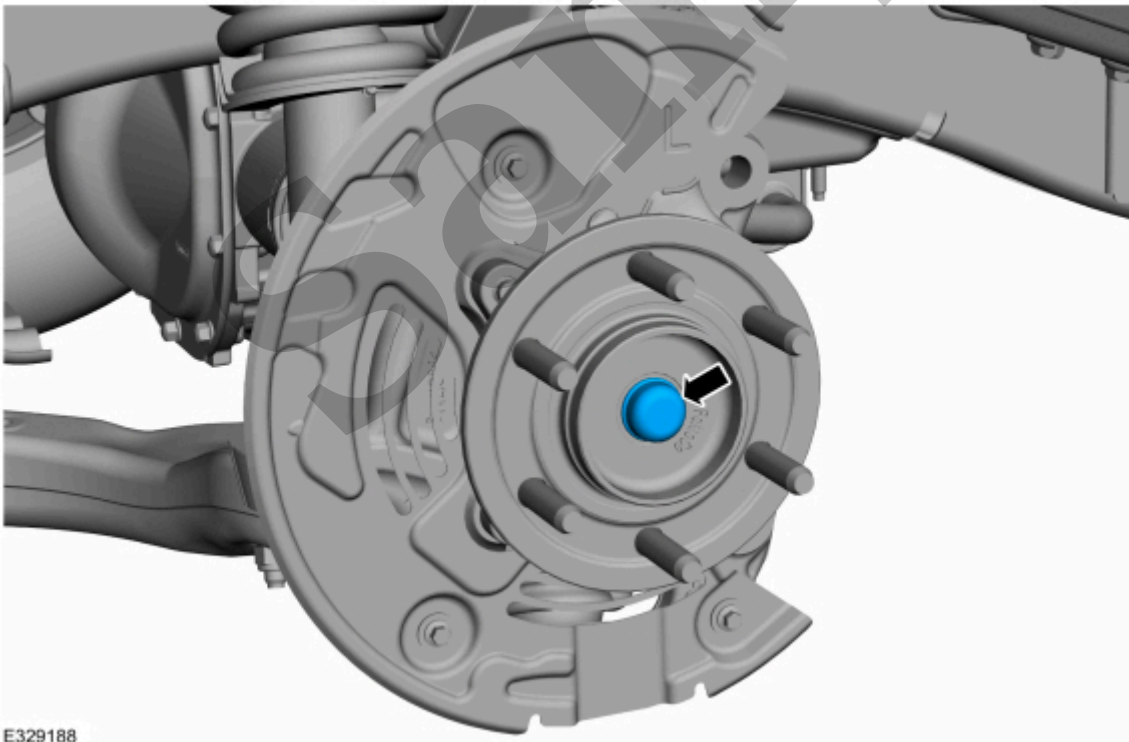
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Sample



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4. Remove the wheel hub nut dust cap.



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