

Halfshaft

Base Part Number: Base Part Number: 3B436

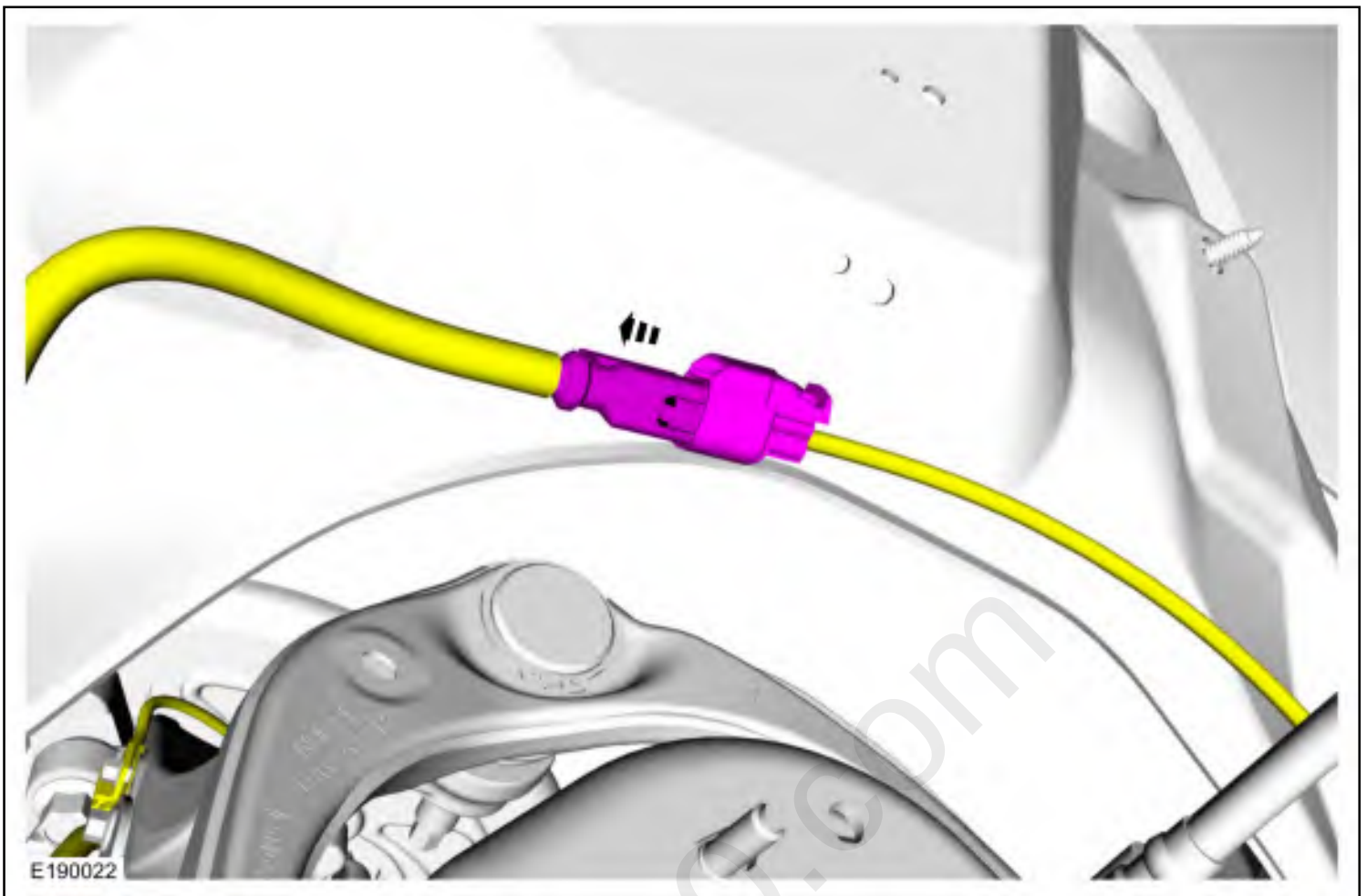
Special Tool(s) / General Equipment

	204-592 Separator, Lower Arm Ball Joint TKIT-2006C-FFMFLM TKIT-2006C-LM TKIT-2006C-ROW
Tie Rod End Remover	
Tire Lever	

Removal

NOTICE: Suspension fasteners are critical parts that affect the performance of vital components and systems. Failure of these fasteners may result in major service expense. Use the same or equivalent parts if replacement is necessary. Do not use a replacement part of lesser quality or substitute design. Tighten fasteners as specified.

1. Disconnect the wheel speed sensor harness and position the harness aside.



2. **NOTE:** *Removal steps may contain installation details.*

Remove the brake disc.

Refer to: [Brake Disc](#) (206-03 Front Disc Brake, Removal and Installation).

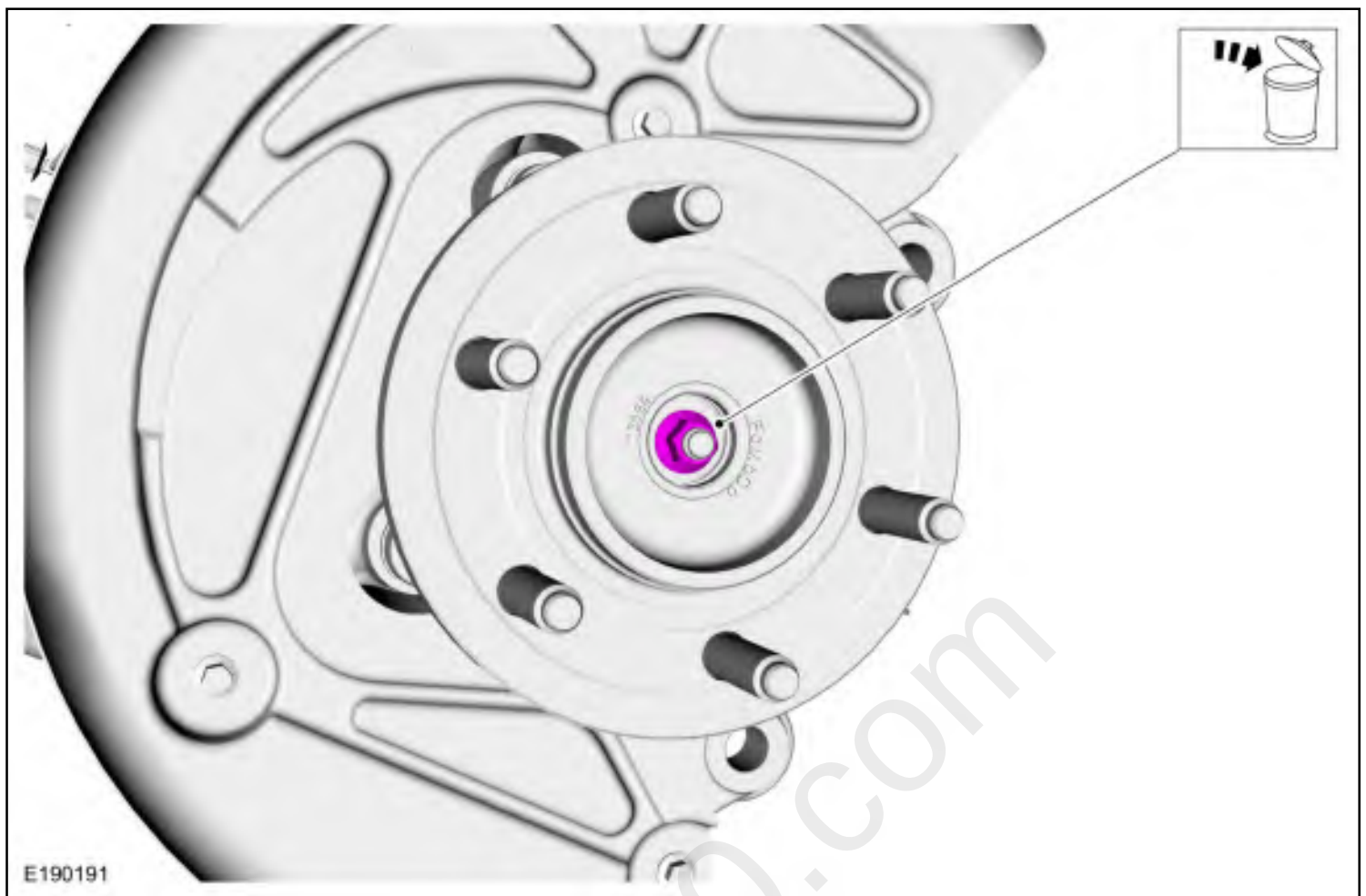
3. Remove the wheel hub nut dust cap.



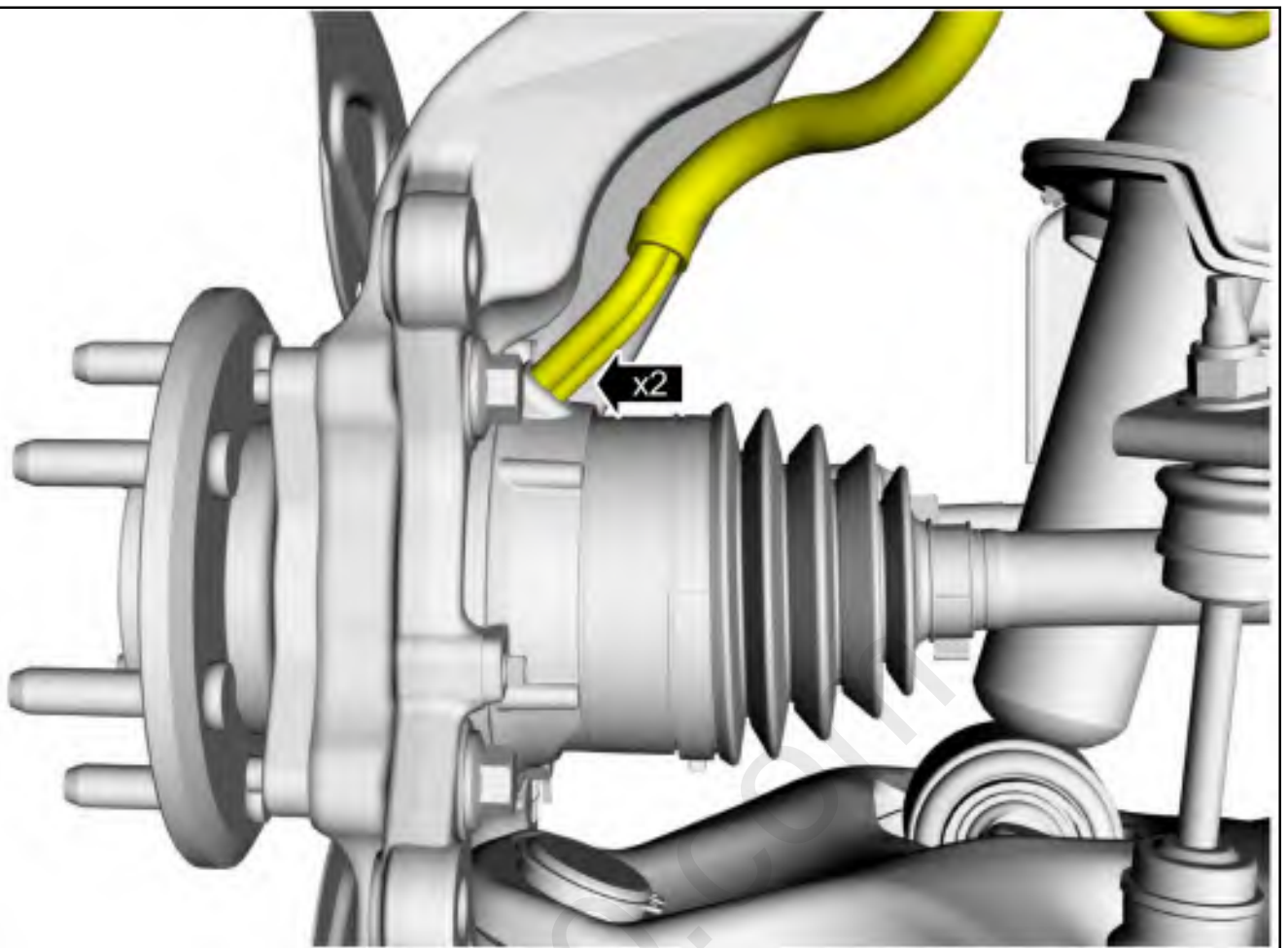
4. **NOTICE:** When installing the halfshafts measure the depth of the CV shaft threaded end to the inner bearing race. The minimum depth is 15.5 mm (0.61 in). If the depth is less than 15.5 mm (0.61 in) rotate the CV shaft to clear a binding condition between the IWE and CV splines. Installing the axle nut and tightening without the proper depth of protrusion will result in damage to the IWE.

Remove and discard the wheel hub nut.

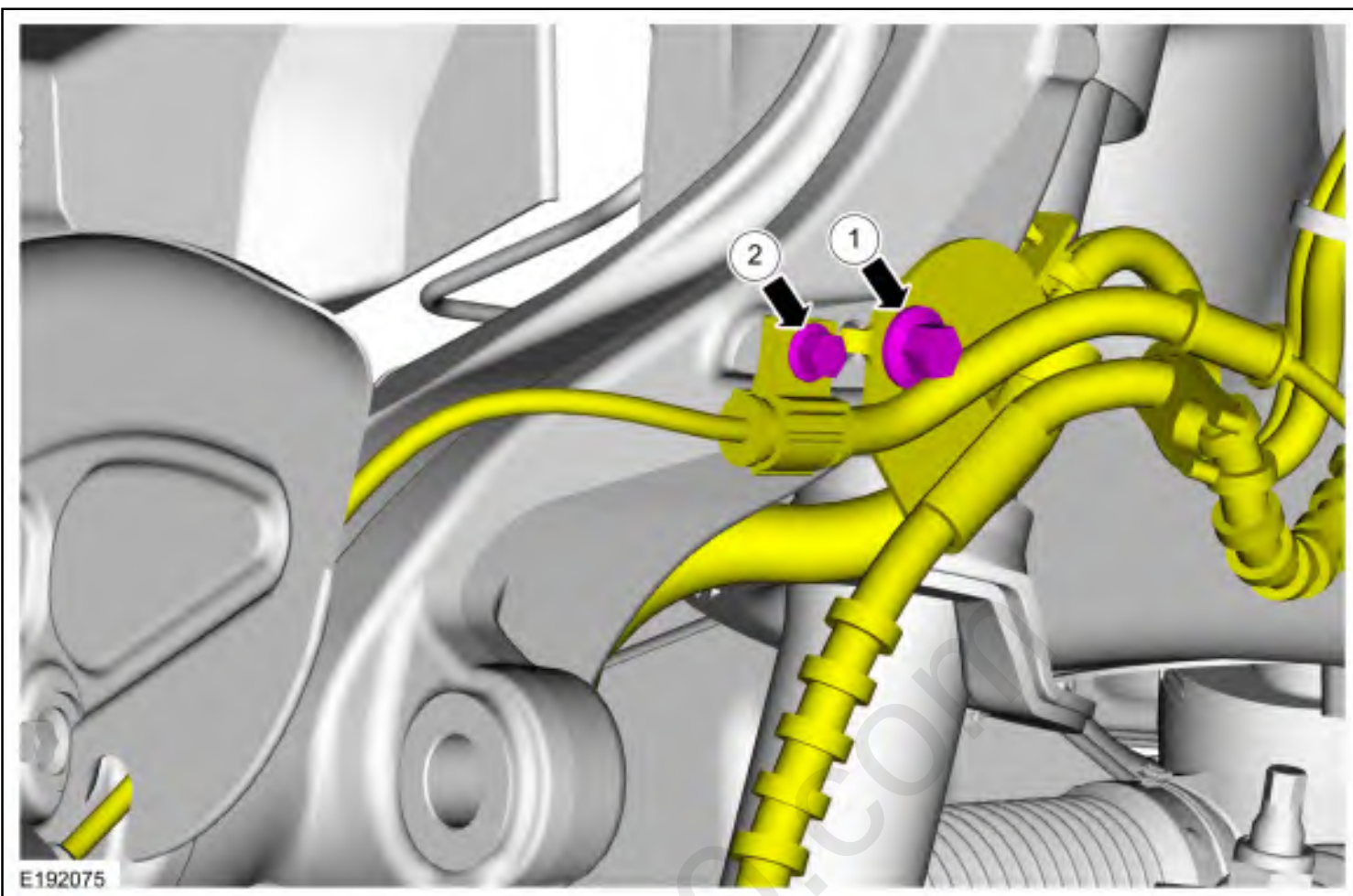
Torque: 30 lb.ft (40 Nm)



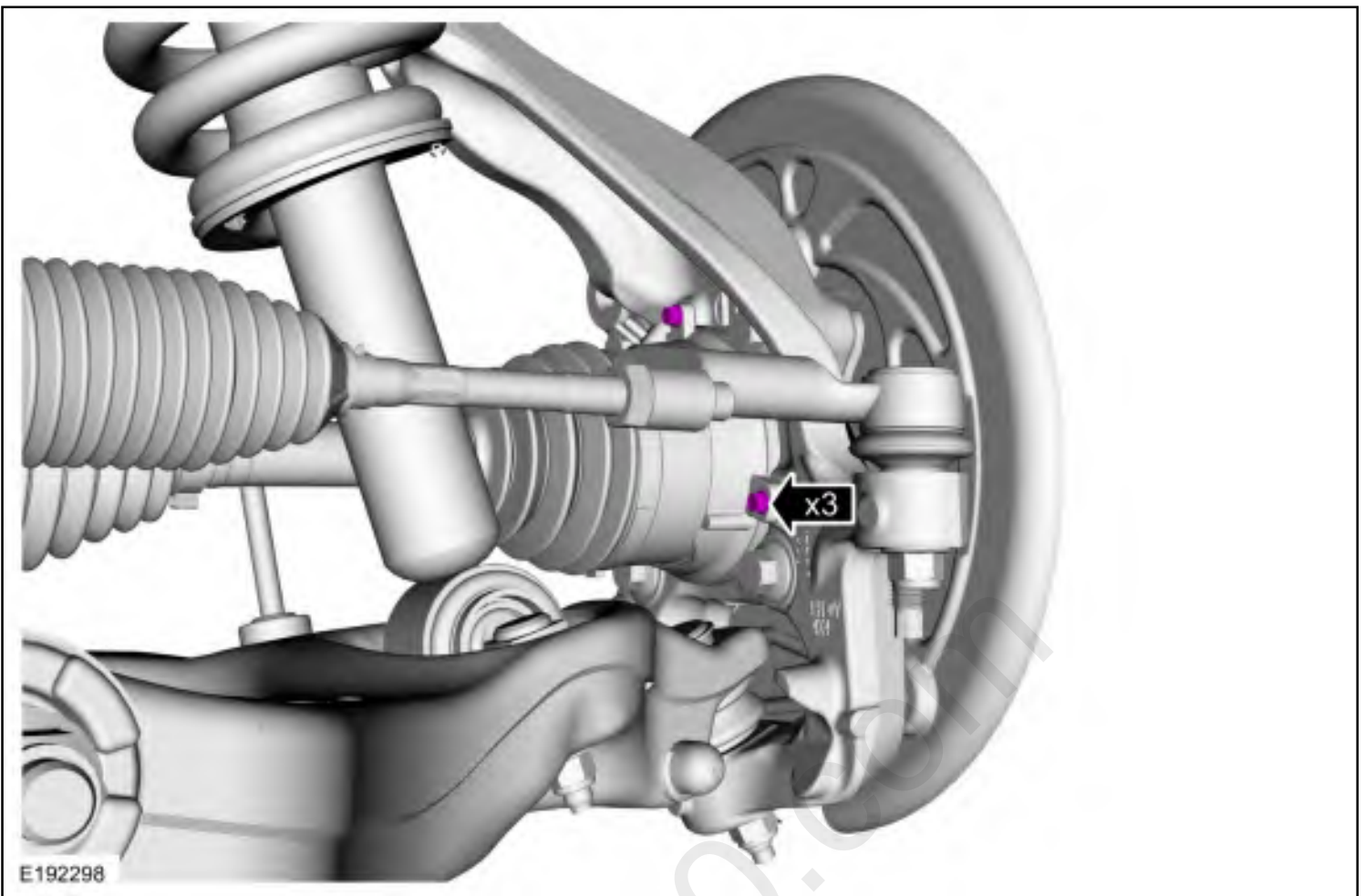
5. Disconnect the vacuum vent and apply tube at the vacuum vent and apply tube port of the IWE and position aside.



- Remove the wheel speed sensor wire bracket bolt and position the wheel speed harness aside.
Torque: 106 lb.in (12 Nm)
- Remove the flexible brake hose bracket bolt and position the flexible brake hose aside.
Torque: 22 lb.ft (30 Nm)



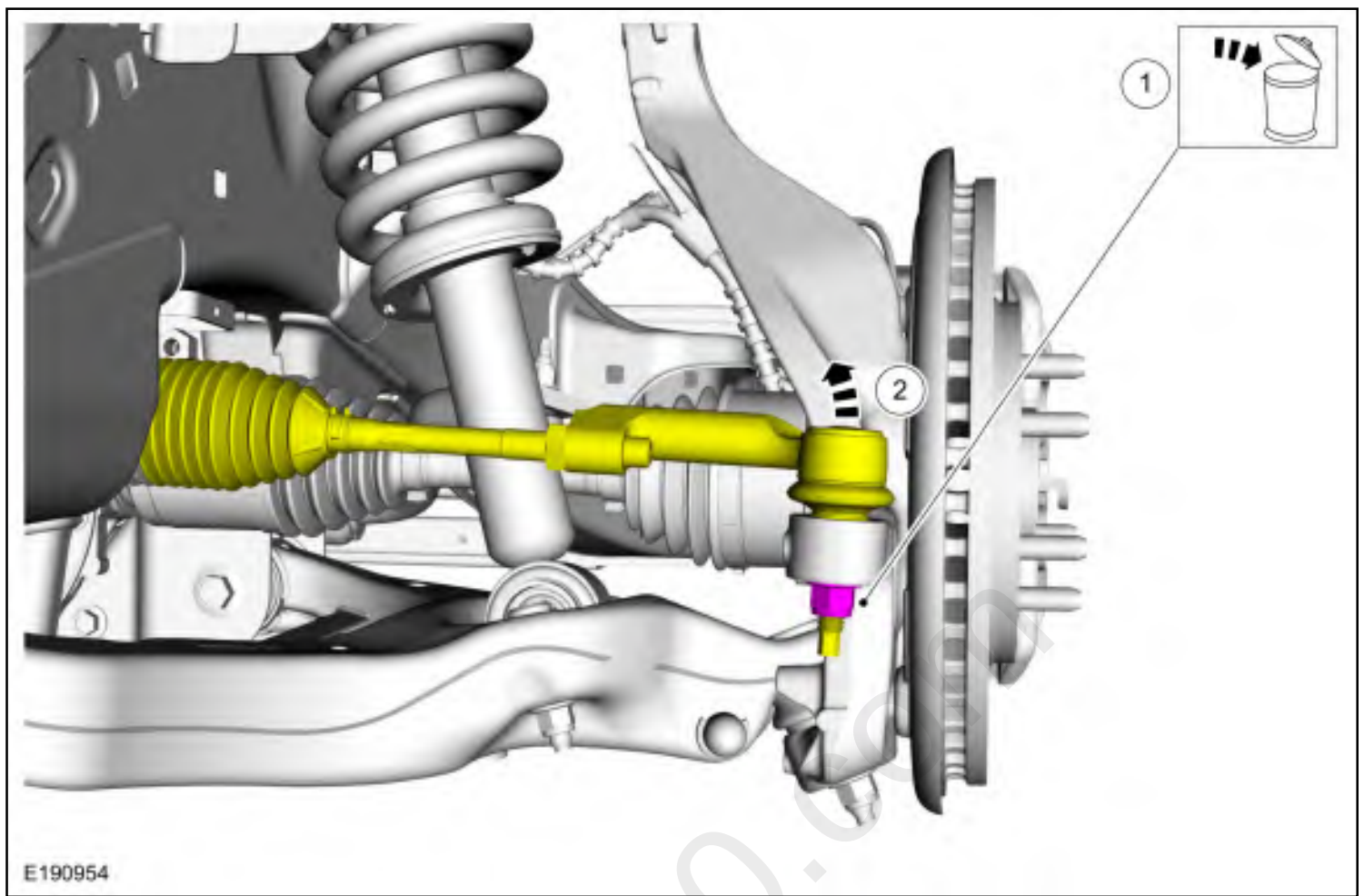
7. Remove the IWE bolts.
Torque: 106 lb.in (12 Nm)



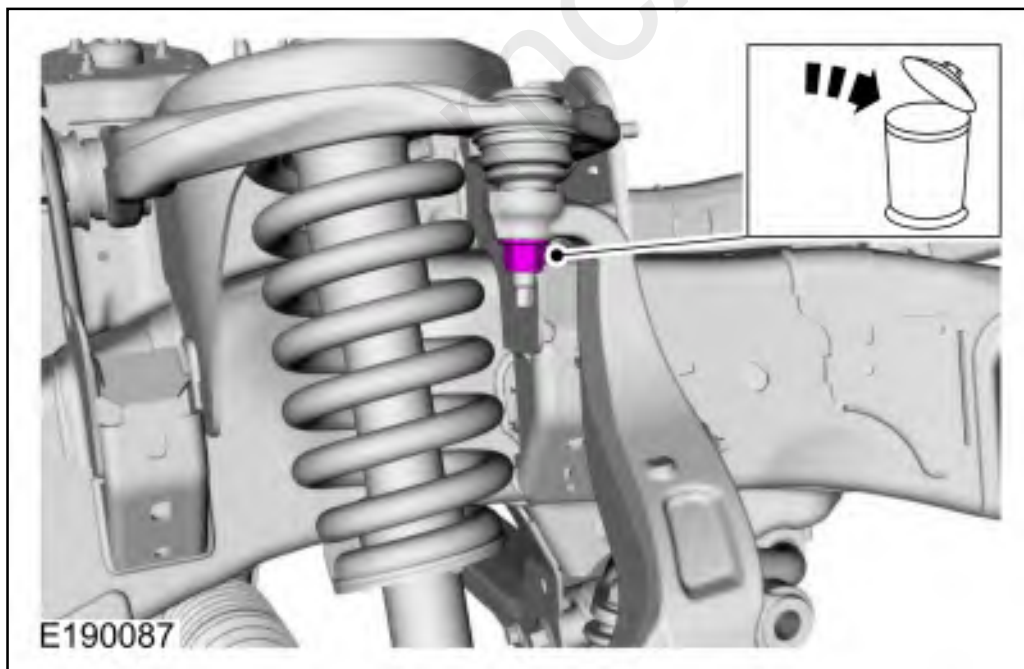
- Remove and discard the outer tie rod end nut.
Torque: 85 lb.ft (115 Nm)
- **NOTICE: Do not use a hammer to separate the outer tie-rod end from the wheel knuckle or damage to the wheel knuckle may result.**

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

Separate the outer tie rod end from the wheel knuckle.
Use the General Equipment: Tie Rod End Remover



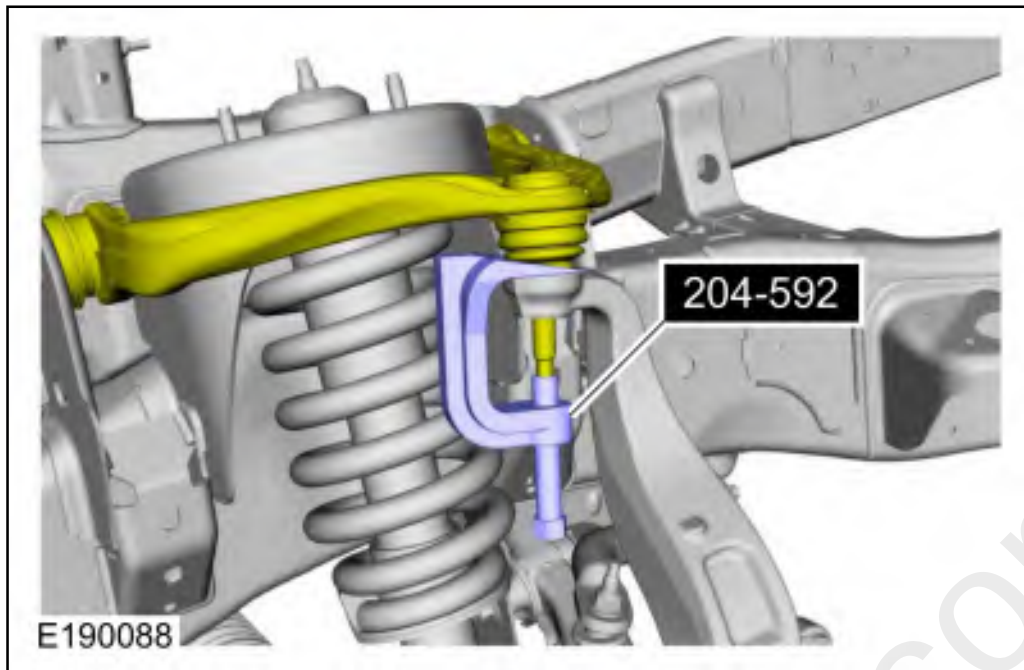
9. Remove and discard the upper ball joint nut.
Torque: 46 lb.ft (63 Nm)



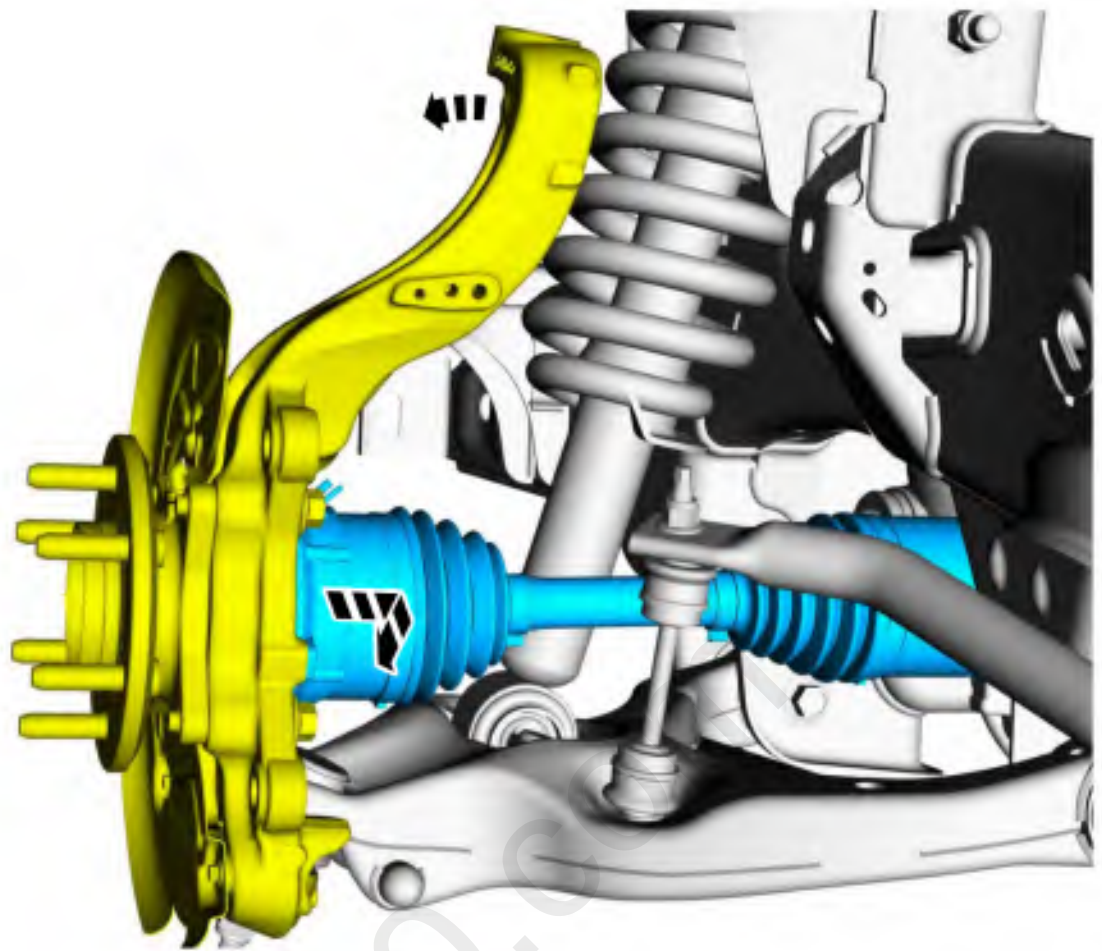
10. **NOTE:** Be sure not to damage the ball joint boot when installing the Ball Joint Separator.

Separate the upper ball joint from the wheel knuckle.

Use Special Service Tool: 204-592 Separator, Lower Arm Ball Joint.



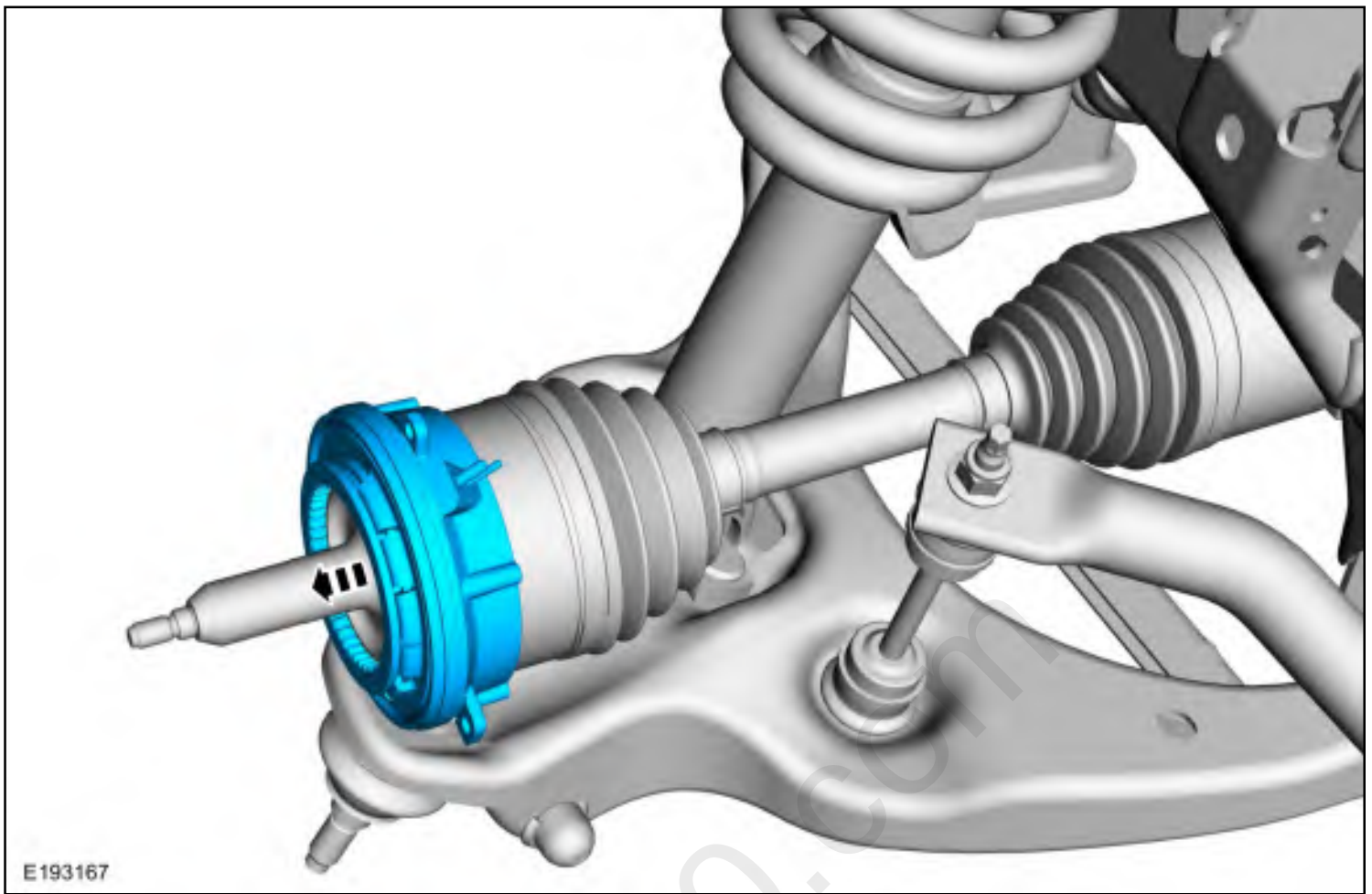
11. Position the wheel knuckle to gain access and remove the CV shaft joint outboard end and IWE disconnect from the steering knuckle hub bearing.



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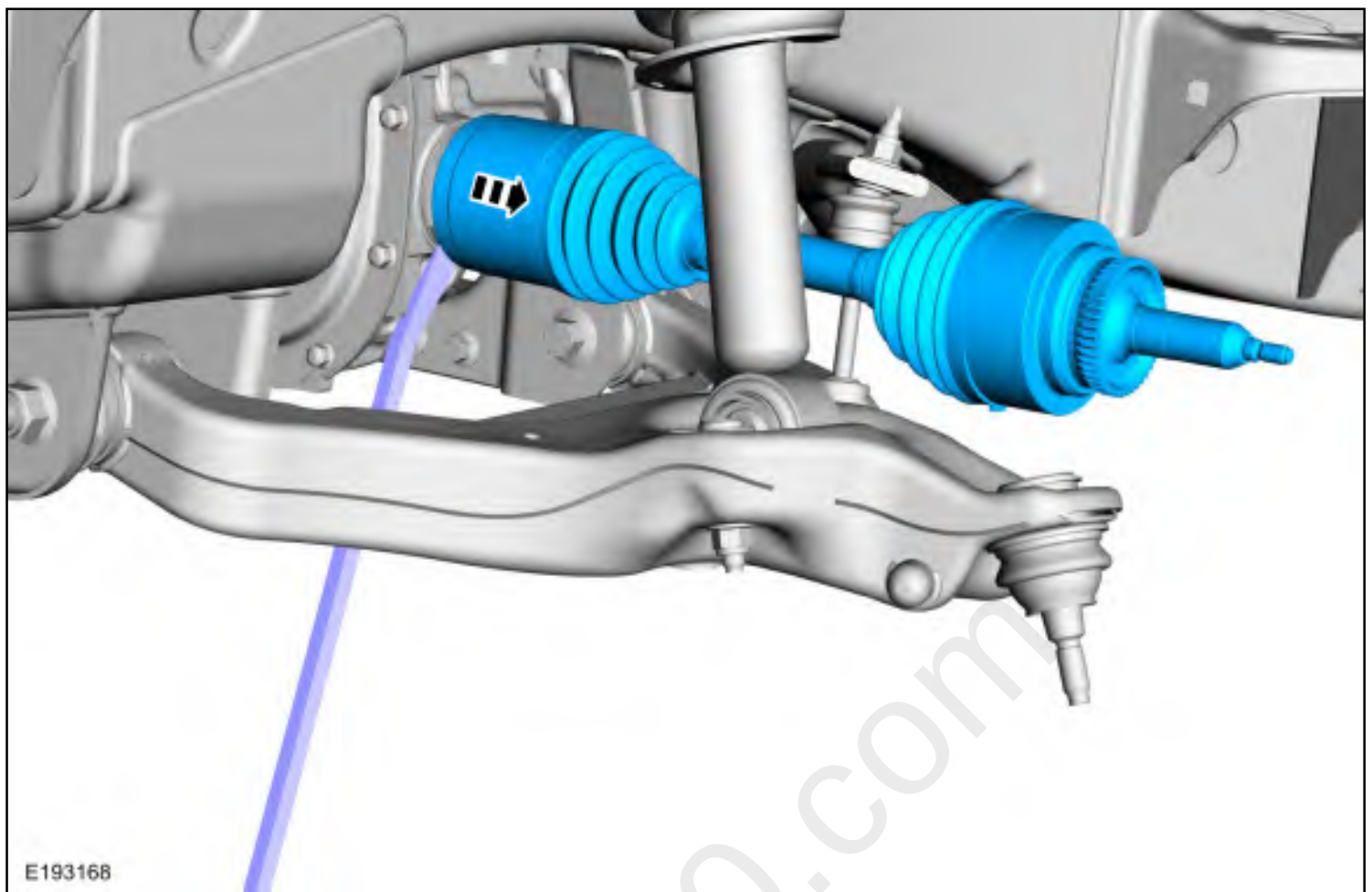
12. **NOTICE:** For installation, apply 24 inches of vacuum (24 inHg) to the large port/supply port of the IWE. Hold the vacuum until the IWE bolts are installed.

Remove the IWE disconnect from the outboard CV joint housing.



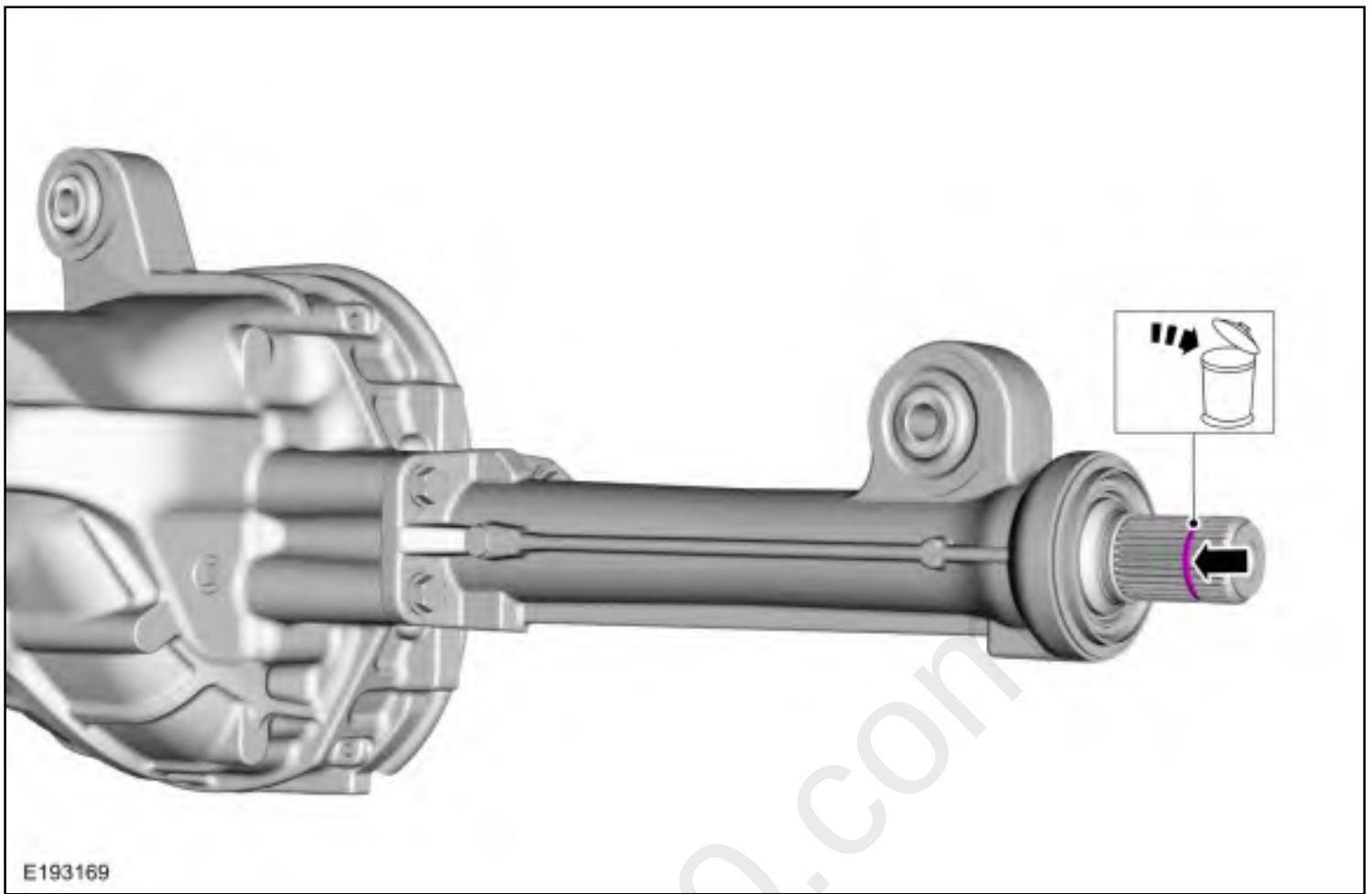
13. **NOTE:** *Use care to not cause damage to the components.*

Using the tire lever, remove the halfshaft from the differential and the intermediate shaft.
Use the General Equipment: Tire Lever



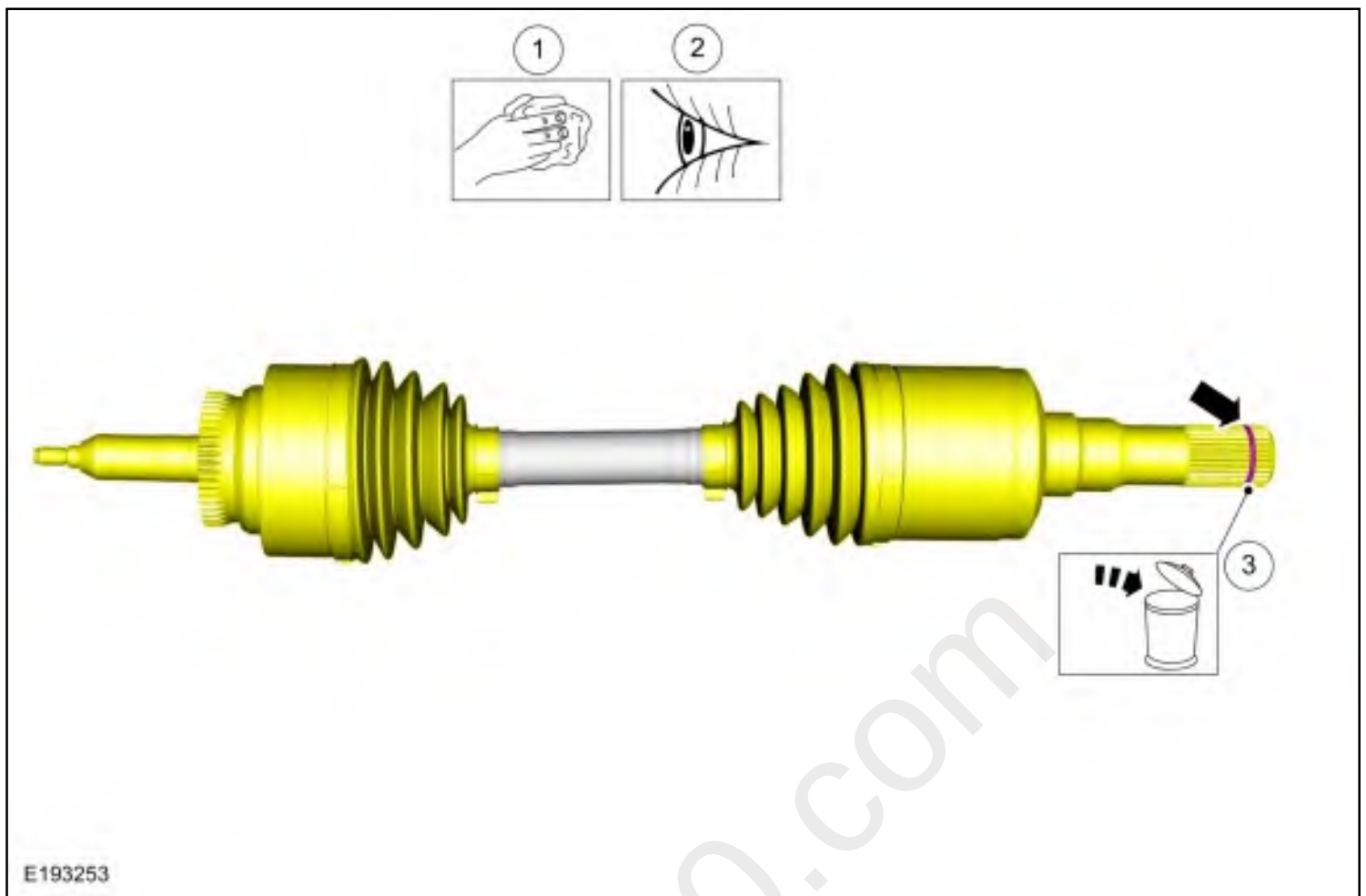
14. **NOTE:** *RH side.*

Remove and discard the circlip.



15. **NOTE:** *LH side shown RH side similar.*

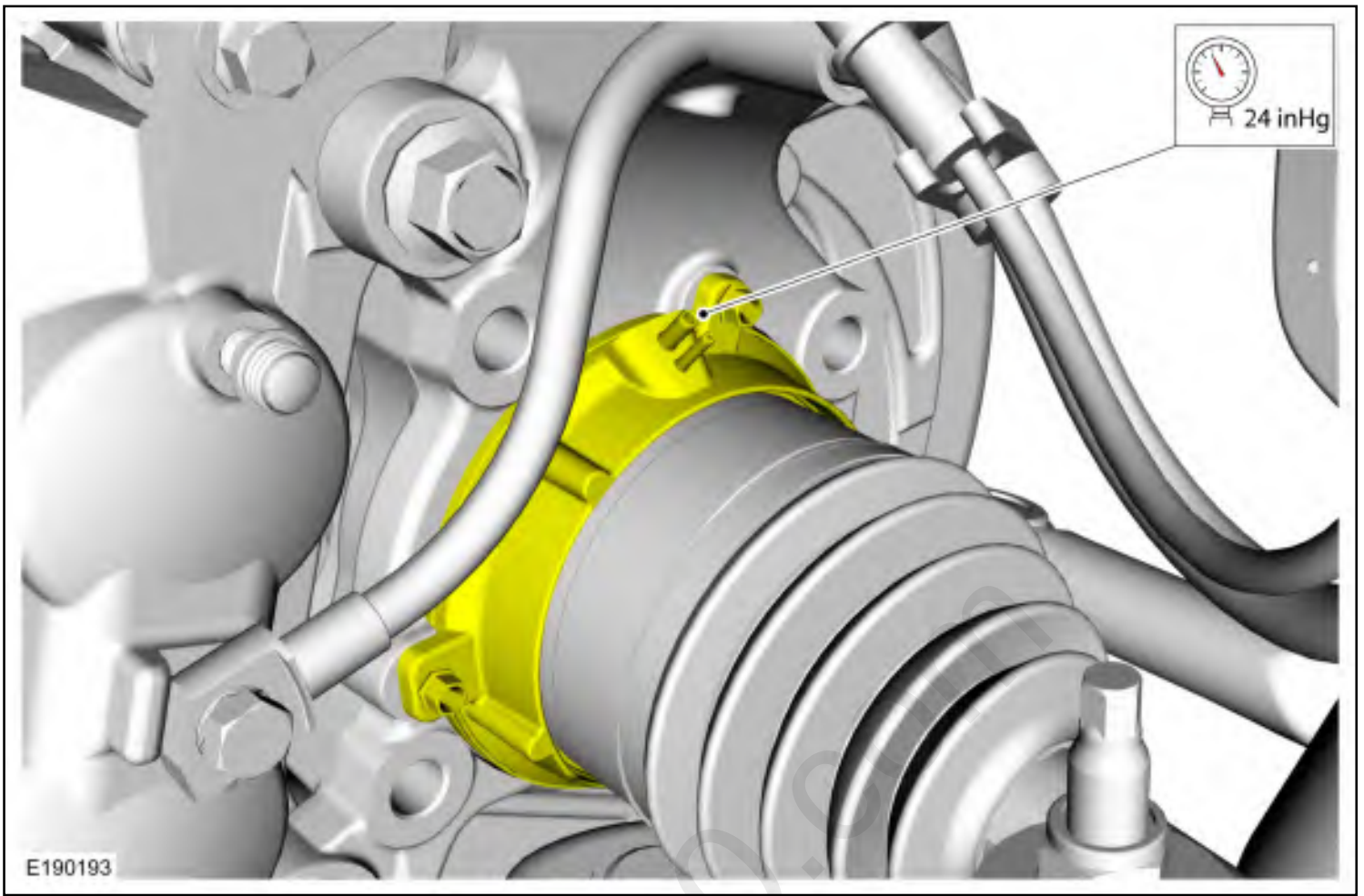
1. Clean the inner and outer halfshaft ends.
2. Inspect the inner and outer halfshaft ends.
3. Remove and discard the circlip.



Installation

1. If the LH halfshaft is removed, replace the LH axle shaft seal.
Refer to: [Axle Shaft Seal](#) (205-03 Front Drive Axle/Differential, Removal and Installation).
2. **NOTICE: While placing the wheel bearing and wheel hub into the wheel knuckle, hold the CV outboard joint with outboard pressure to maintain spline engagement with the IWE actuator gear.**

Using a hand vacuum pump apply and hold 24 inHg of vacuum to the IWE actuator through the large port on IWE to retract the actuator.



3. **NOTICE:** Measure the depth of the CV shaft threaded end to the inner bearing race (shown in illustration). The minimum depth is 15.5 mm (0.61 in). If the depth is less than 15.5 mm (0.61 in) rotate the CV shaft to clear a binding condition between the IWE and CV splines. Installing the axle nut and tightening without the proper depth of protrusion will result in damage to the IWE.

When installing the halfshaft, measure the CV shaft threaded end to the inner bearing race.



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4. **NOTICE:** Verify the spline engagement by checking for spline lash before installing the halfshaft nut or component damage may occur.

To install, reverse the removal procedure.

5. Check the front differential fluid level.
Refer to: [Differential Fluid Level Check](#) (205-03 Front Drive Axle/Differential, General Procedures).