

2018 DRIVELINE/AXLES
Front Drive Halfshafts - F-Type/X152

FRONT DRIVE HALFSHAFTS

SPECIFICATIONS

Torque Specifications

ITEM	NM	LB-FT	LB-IN
Halfshaft support bracket retaining bolts	25	18	-
Front halfshaft retaining nut	300	221	-
Tie-rod end retaining nut	133	98	-
Upper arm ball joint to wheel knuckle retaining nut	90	66	-
Brake pipe retaining bracket retaining bolt	20	15	-
Front stabilizer bar link lower retaining nut	43	32	-

DIAGNOSIS AND TESTING

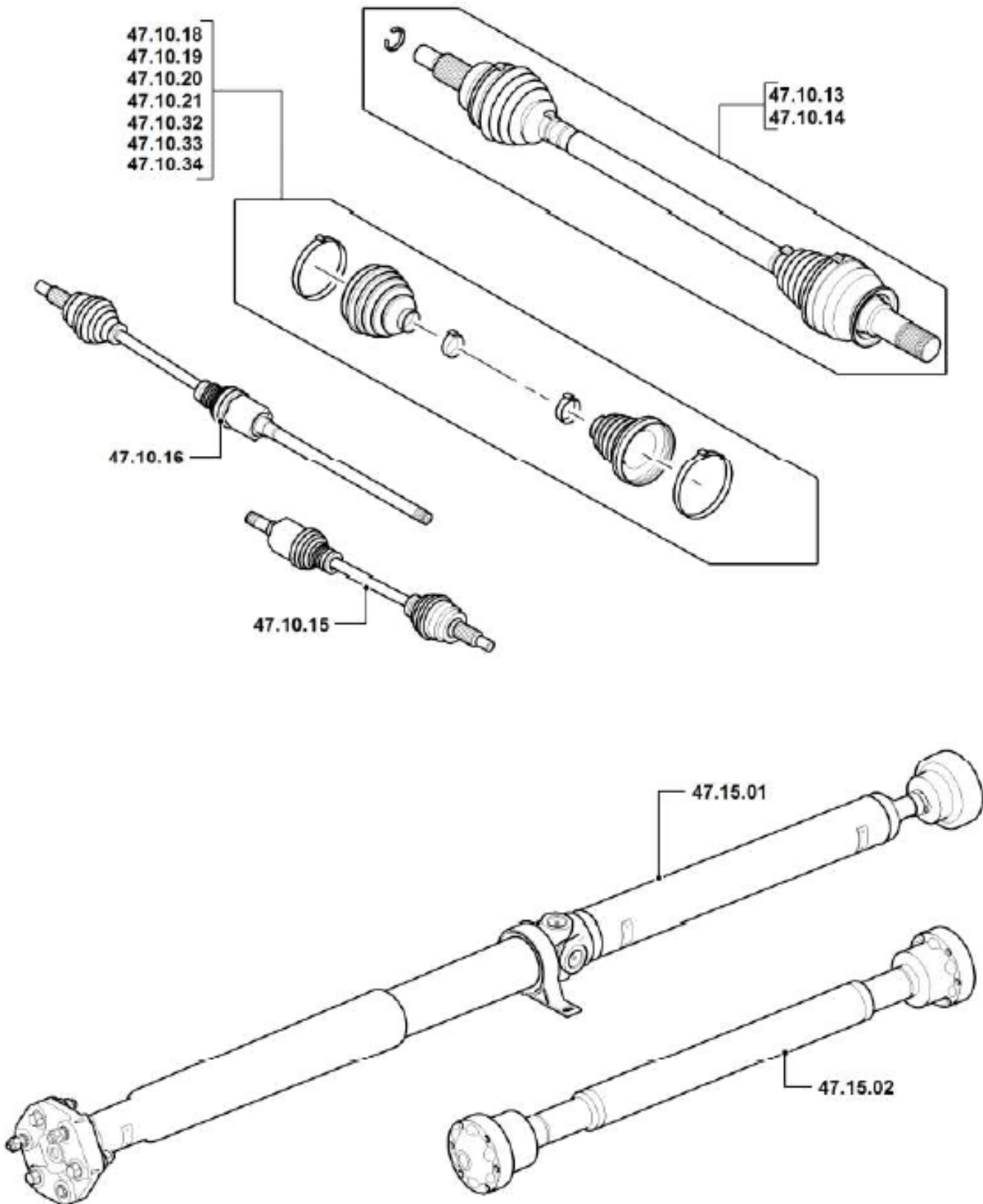
For additional information. Refer to: [Driveline System](#) (Diagnosis and Testing).

REMOVAL AND INSTALLATION

FRONT HALFSHAFT LH (G1822215)

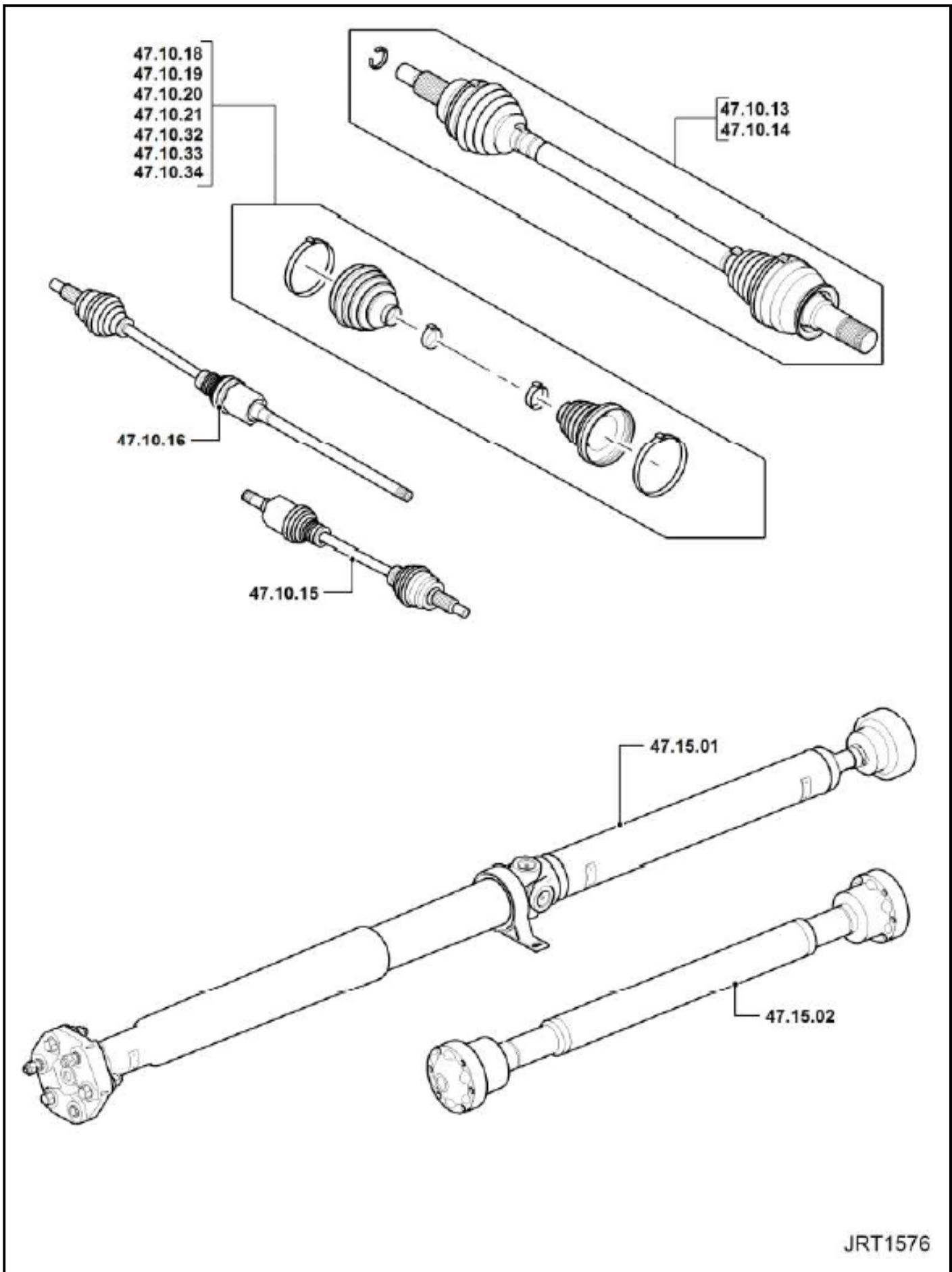
47.10.15	FRONT LEFT HAND DRIVE SHAFT - RENEW	3000 CC, AJ V6 (AJ126), 4WD	0.8
----------	-------------------------------------	-----------------------------	-----





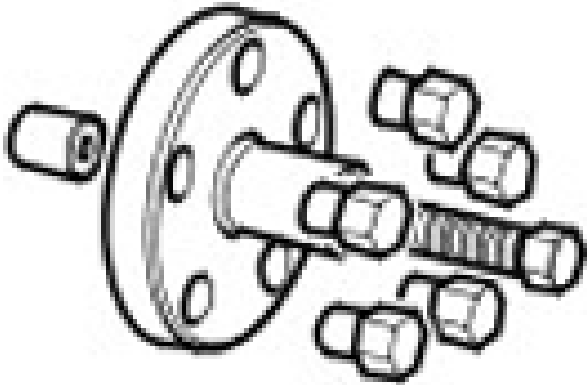
JRT1576

47.10.15	FRONT LEFT HAND DRIVE SHAFT - RENEW	5000 CC, AJ V8, 4WD	0.8
----------	-------------------------------------	---------------------	-----



SPECIAL TOOL(S)

205-857



E79462

205-857
Remover, Halfshaft

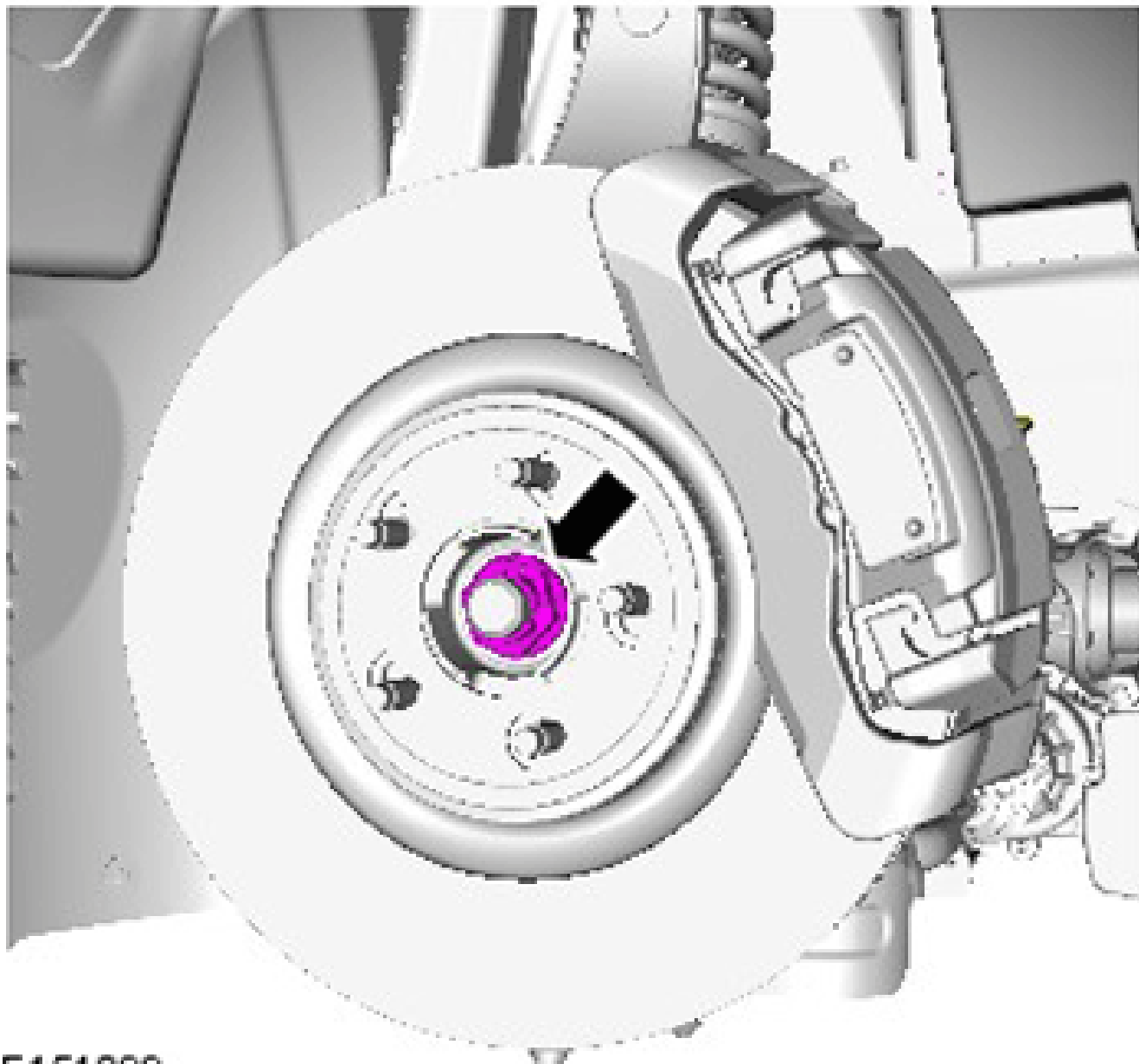
REMOVAL

NOTE: Some variation in the illustrations may occur, but the essential information is always correct.

1. **WARNING:** Make sure to support the vehicle with axle stands.

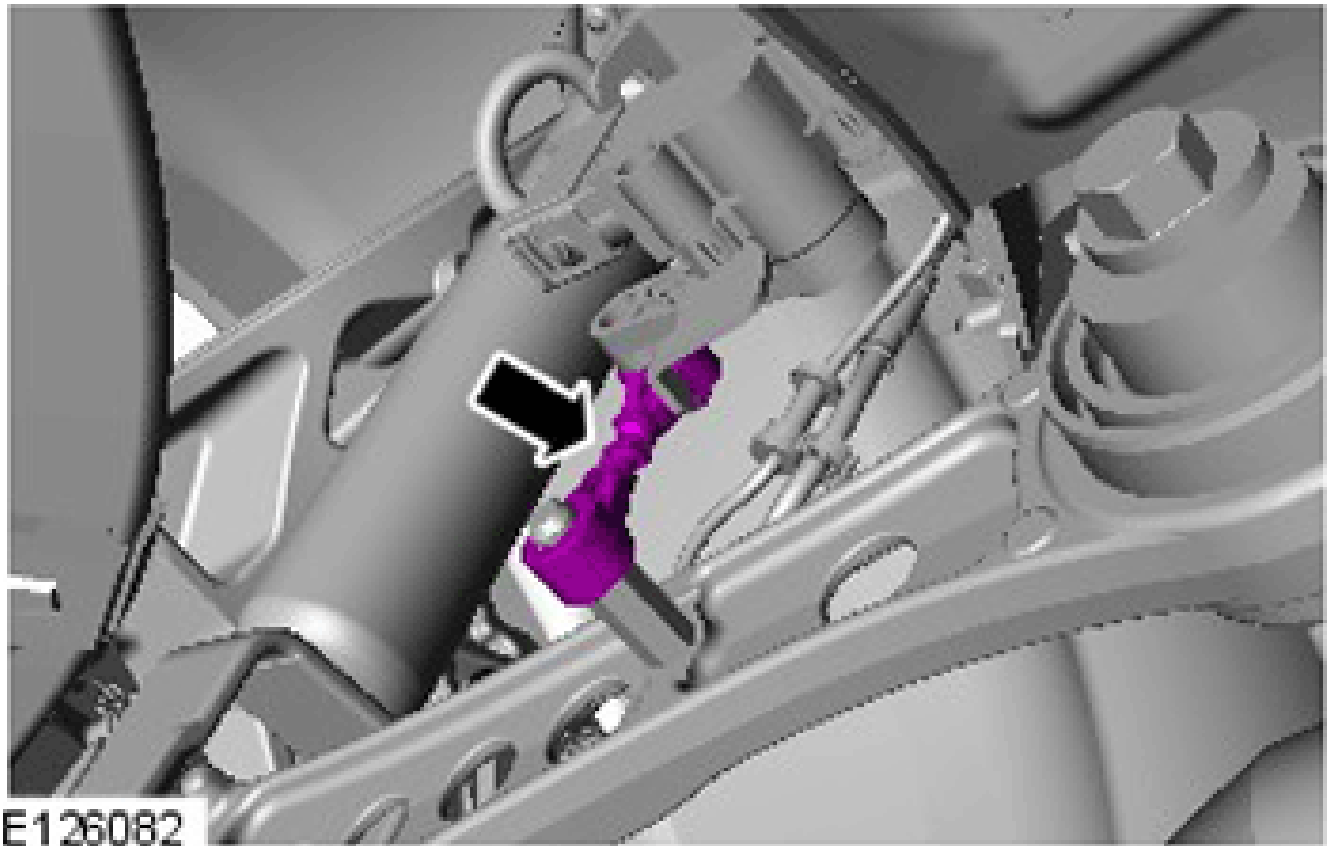
Raise and support the vehicle.

2. Refer to: [Wheel and Tire](#) (Removal and Installation).
3. **CAUTION:** Discard the nut.



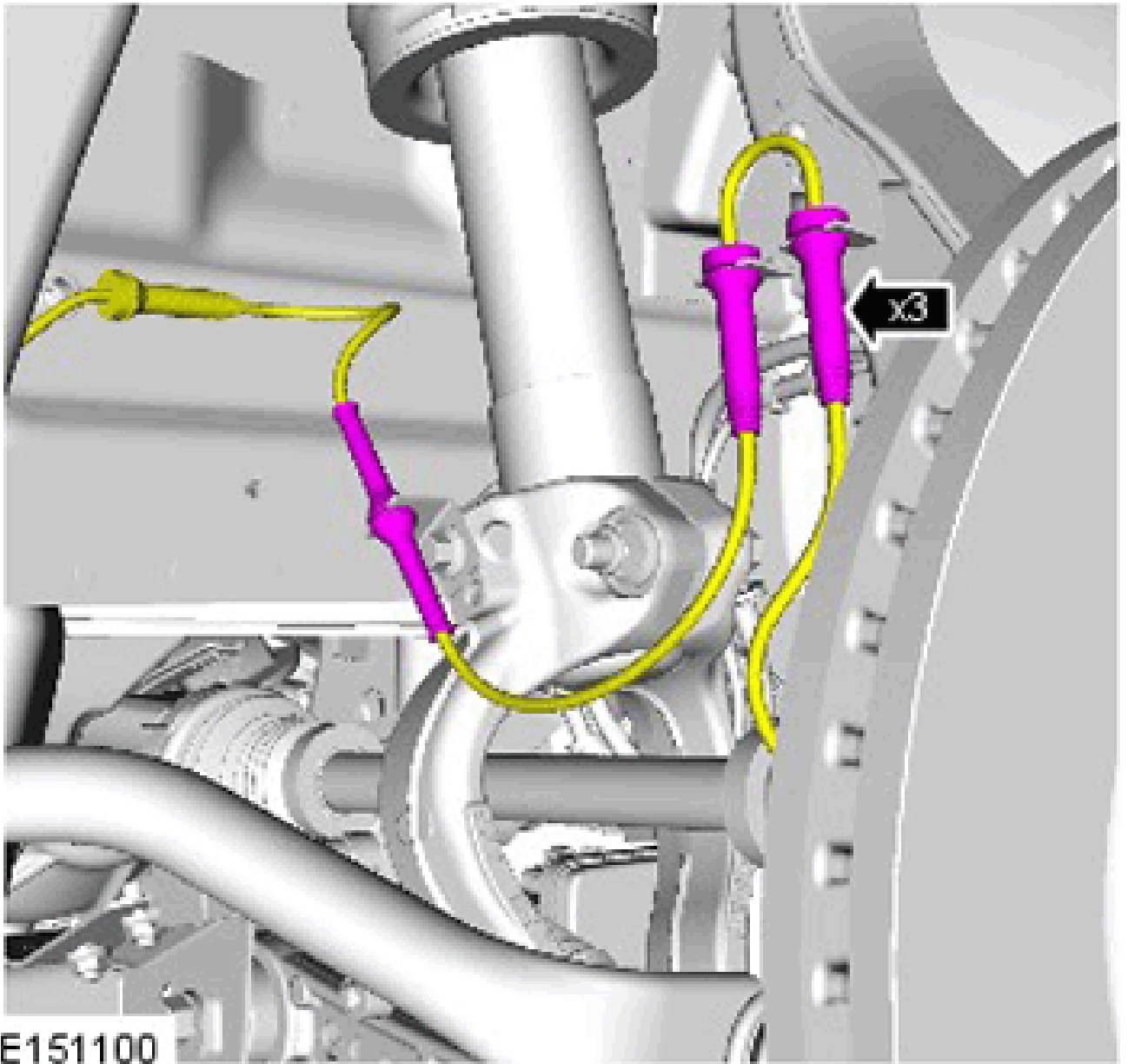
E151099

4.



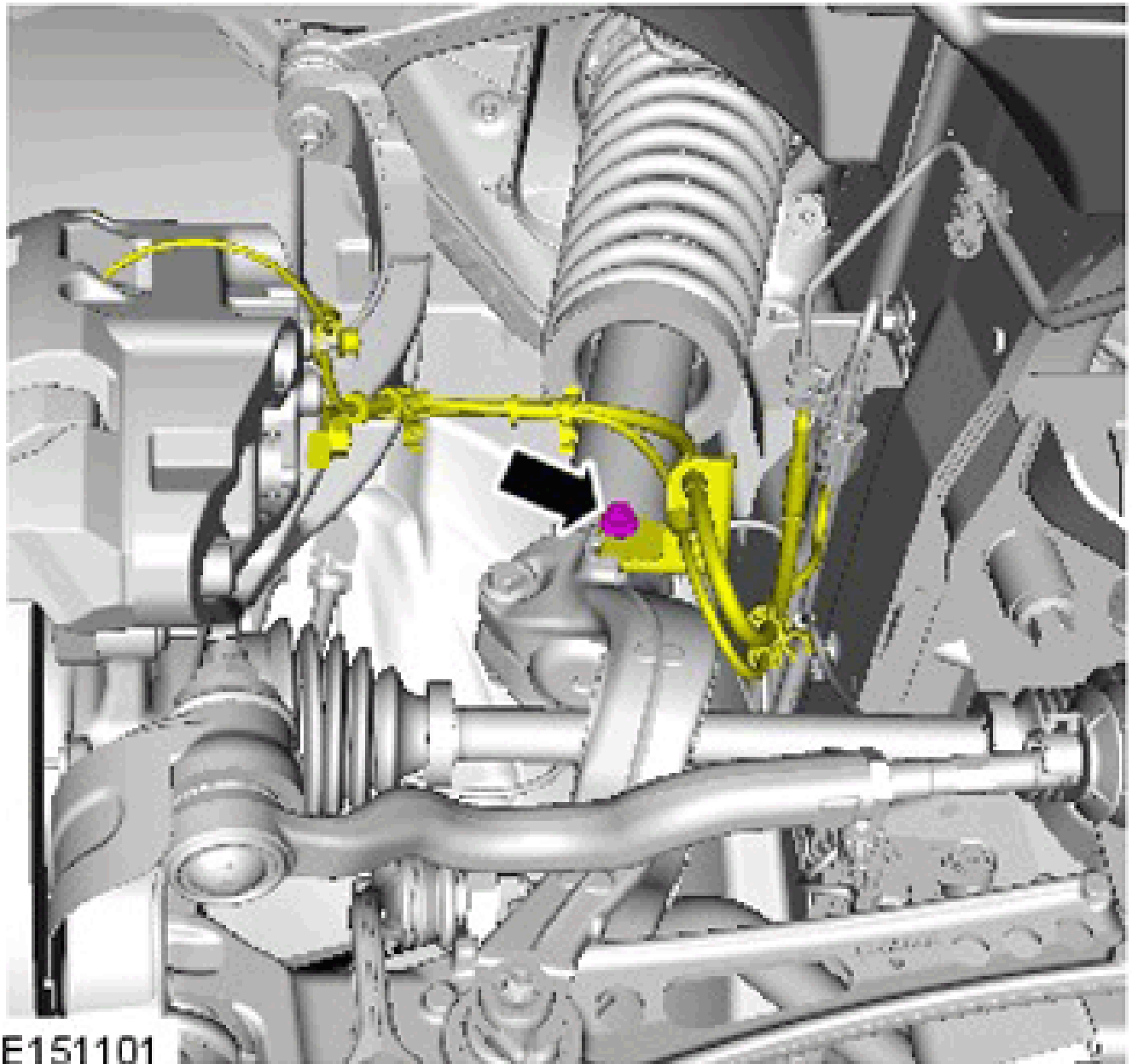
E126082

5.

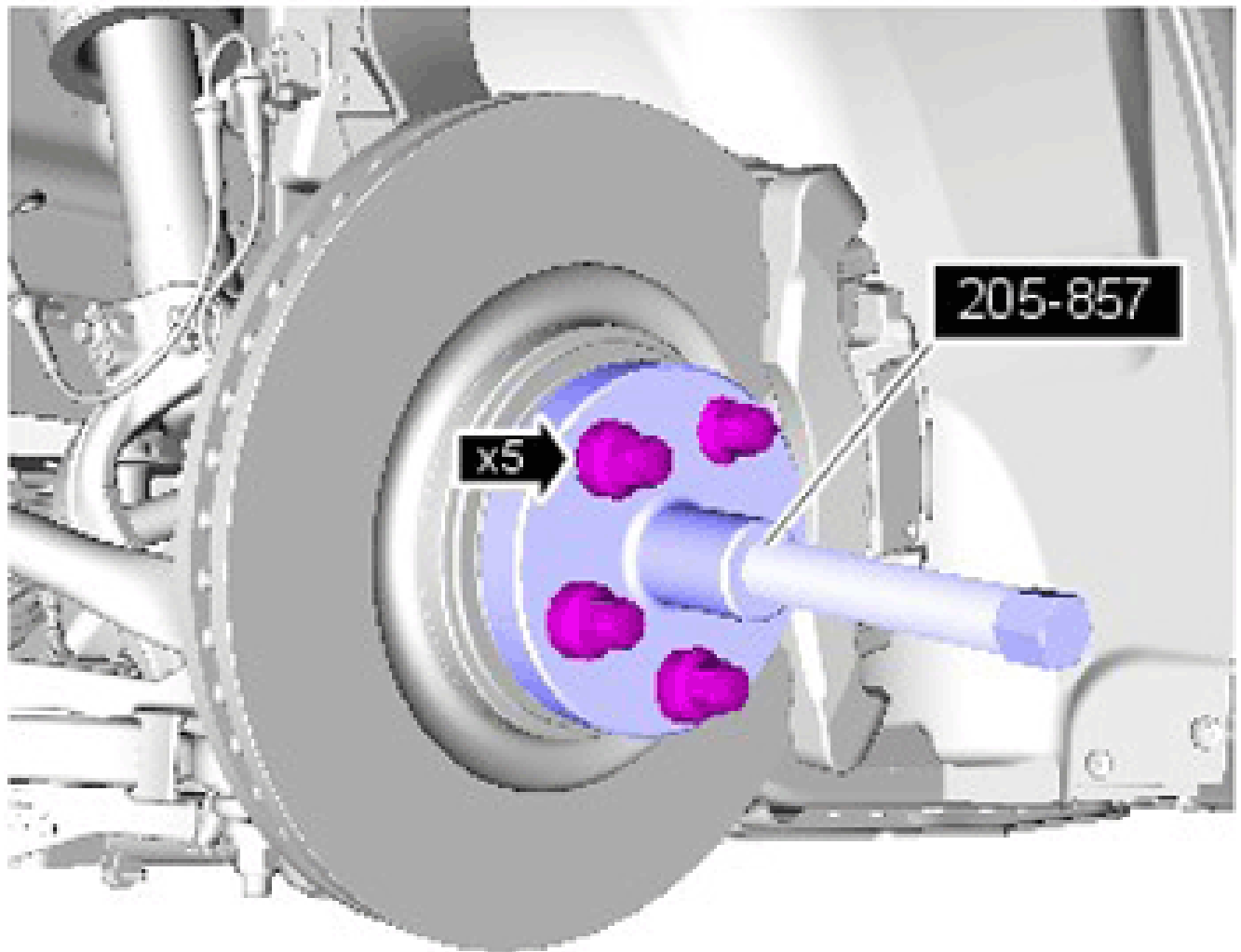


E151100

6.



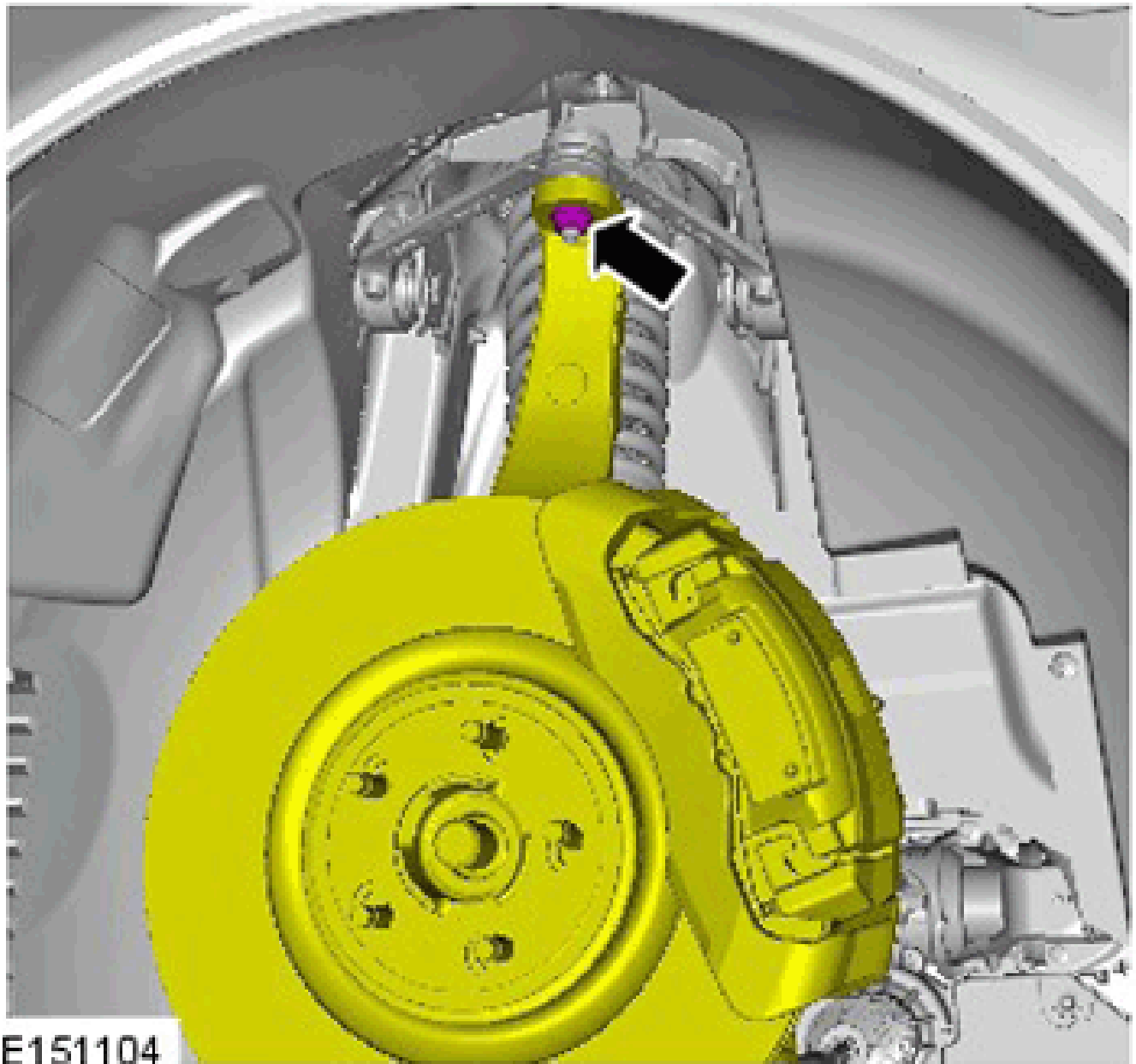
7. **CAUTION:** Do not use a hammer to detach the halfshaft from the hub assembly, failure to follow this instruction may result in damage to the halfshaft.



E151105

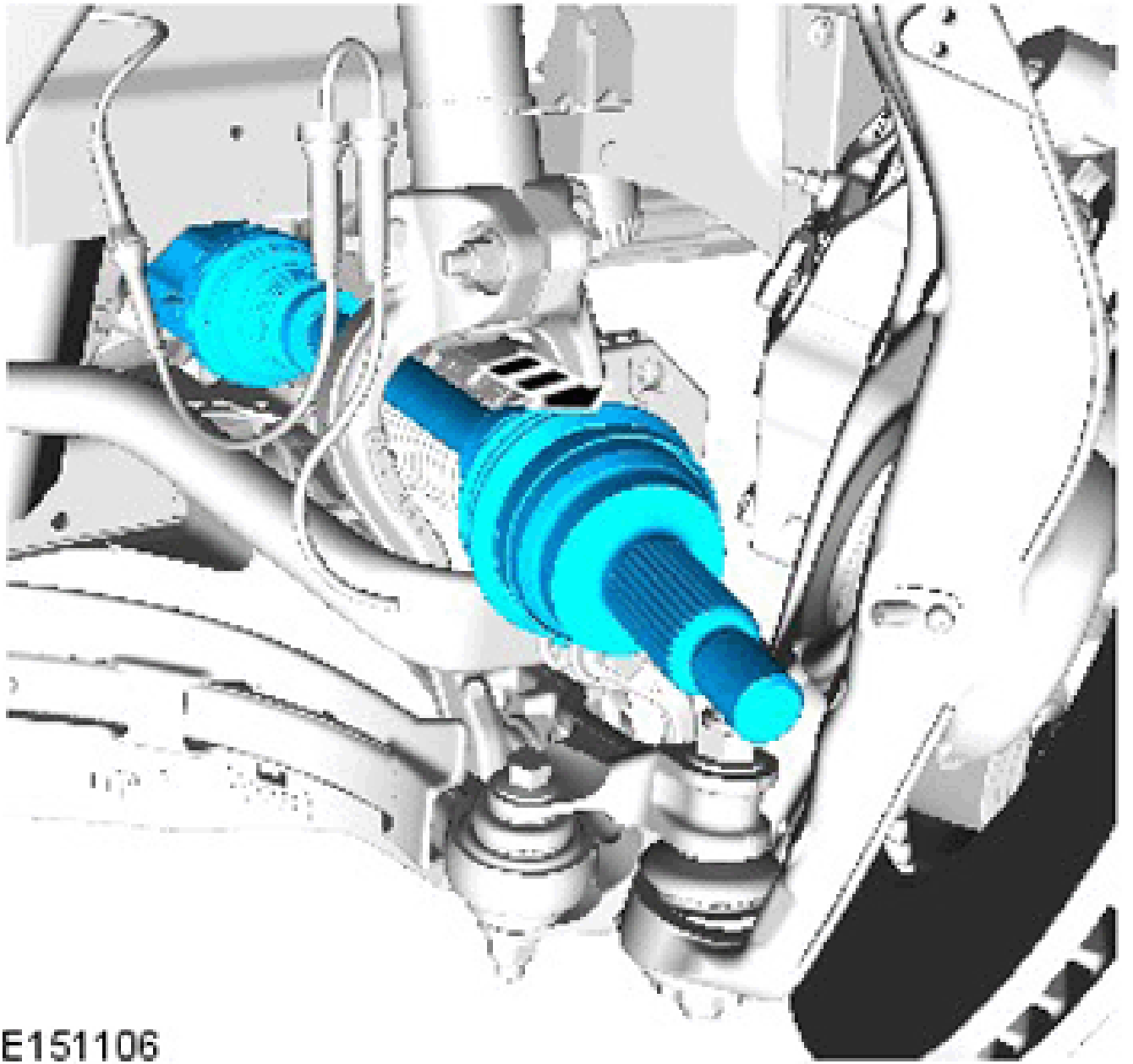
Special Tool(s): 205-857

8. **CAUTION:**
- Make sure the wheel knuckle is supported. Failure to follow these instructions may result in damage to the vehicle.
 - Discard the nut.
 - Make sure that no load is placed on the brake hose.



9. **CAUTION:**

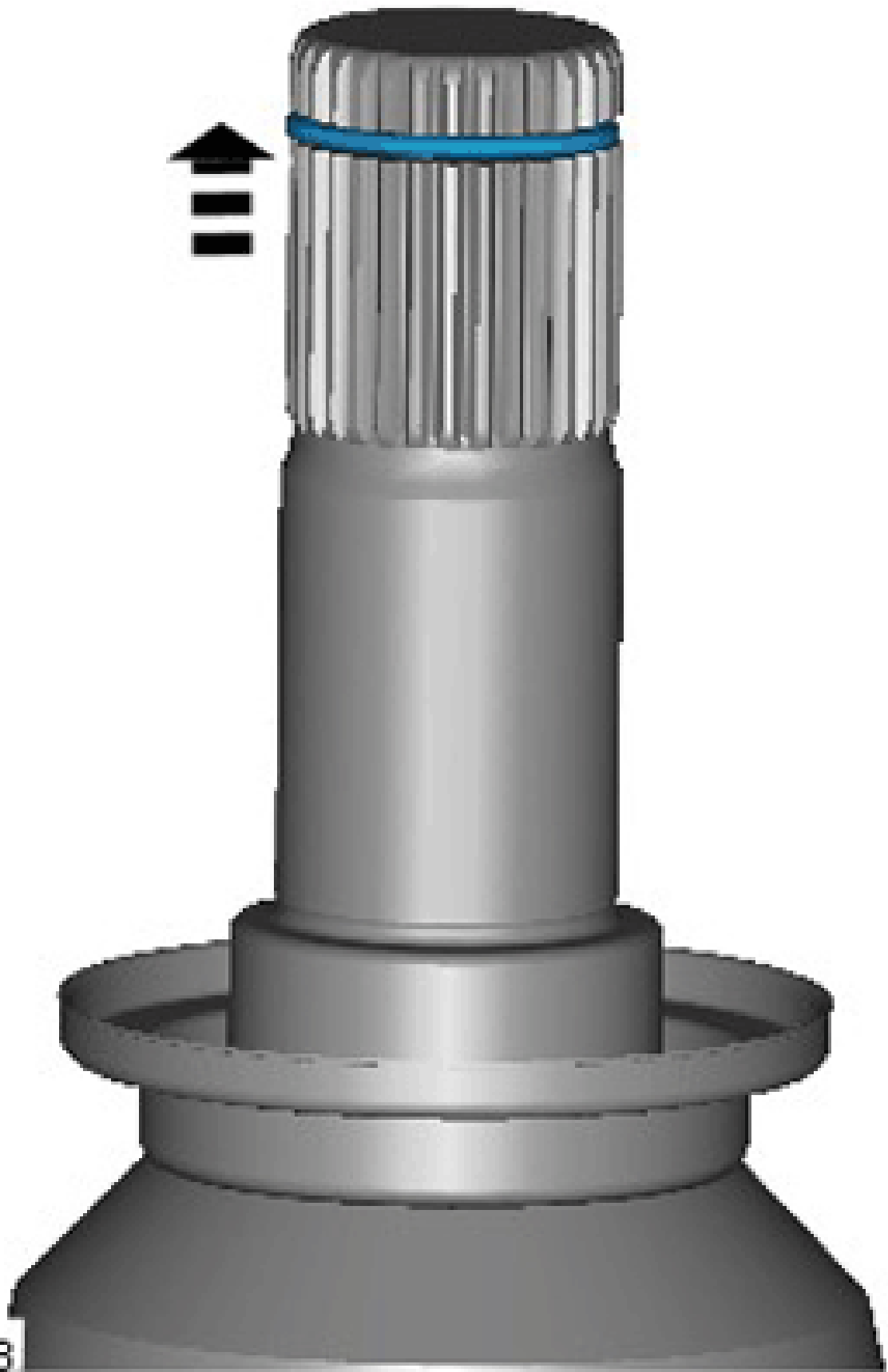
- Do not allow halfshafts to hang unsupported at one end or joint damage will occur.
- To avoid damage to the halfshaft constant velocity (CV) joints and boots, do not allow the CV joints to exceed 18 degrees of travel.
- Be prepared to collect escaping fluids.



E151106

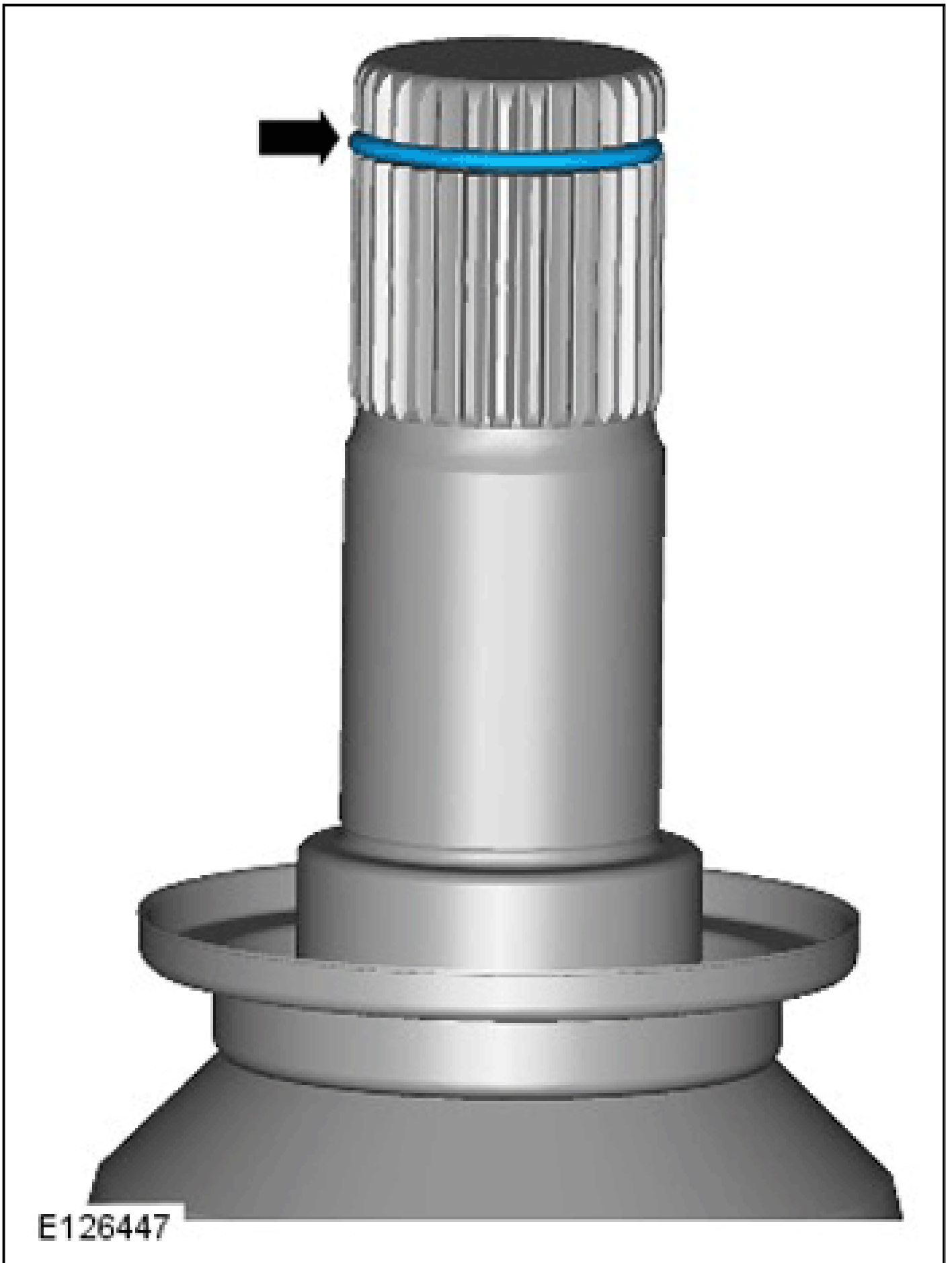
10. **CAUTION:** Discard the snap ring.





E116328

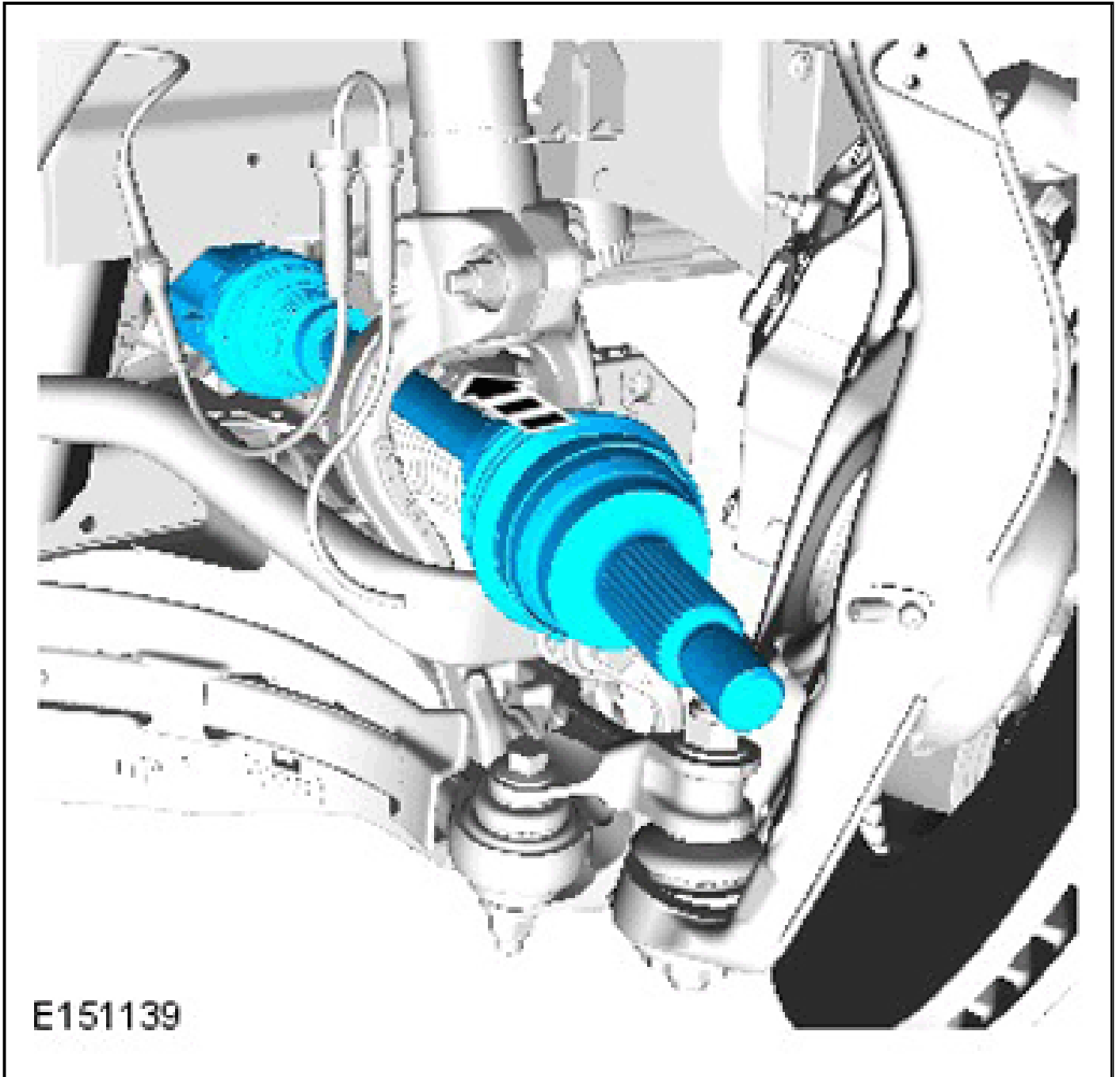
1. **CAUTION:** Install a new snap ring.



E126447

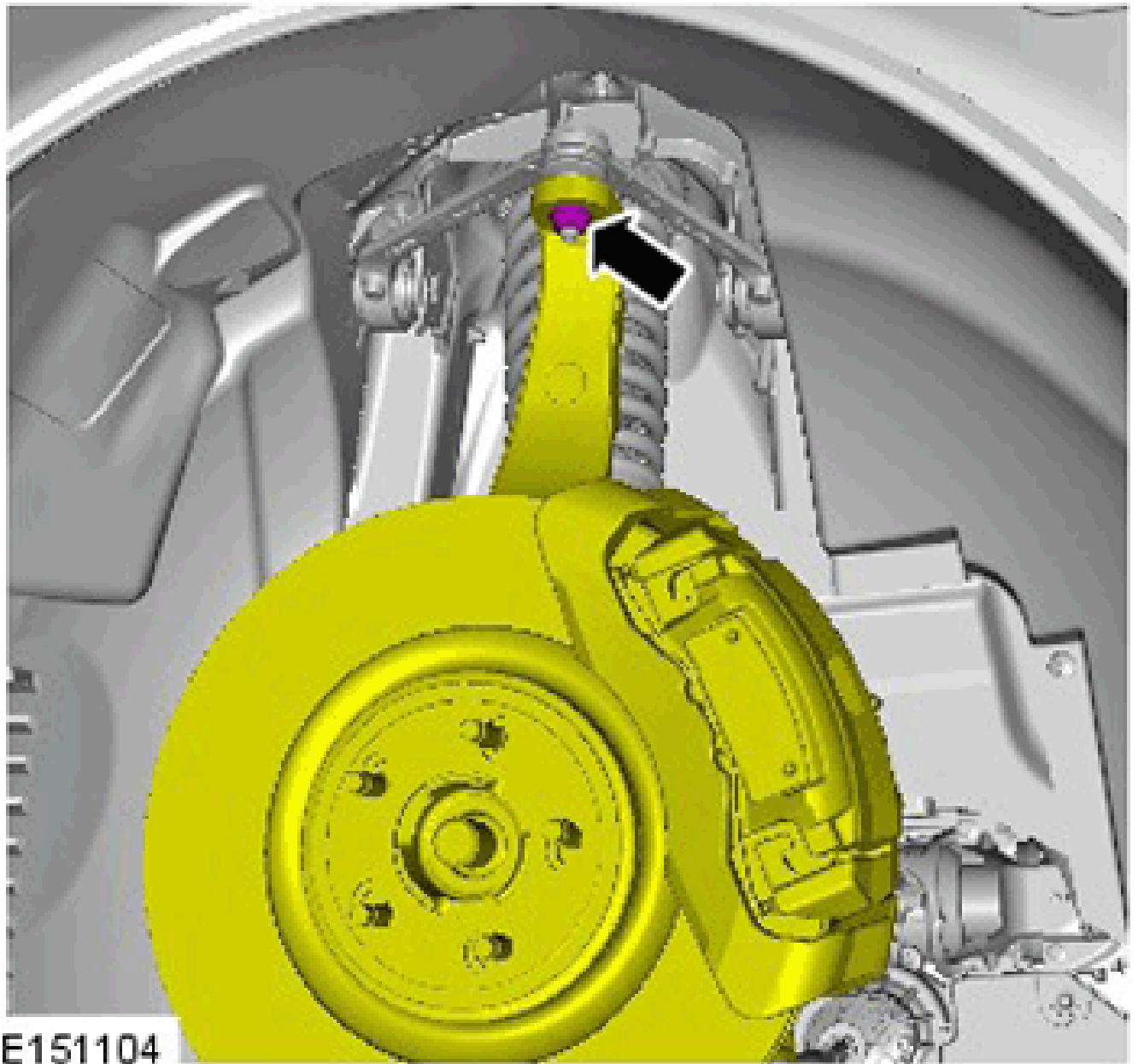
2. **CAUTION:**

- Make sure that the rear halfshaft circlip is installed correctly by pulling the halfshaft gently to make sure it is engaged.
- Make sure no damage occurs to the halfshaft seal when installing the halfshaft.
- To avoid damage to the halfshaft constant velocity (CV) joints and boots, do not allow the CV joints to exceed 18 degrees of travel.



3. **WARNING:** Make sure that a new nut is installed.

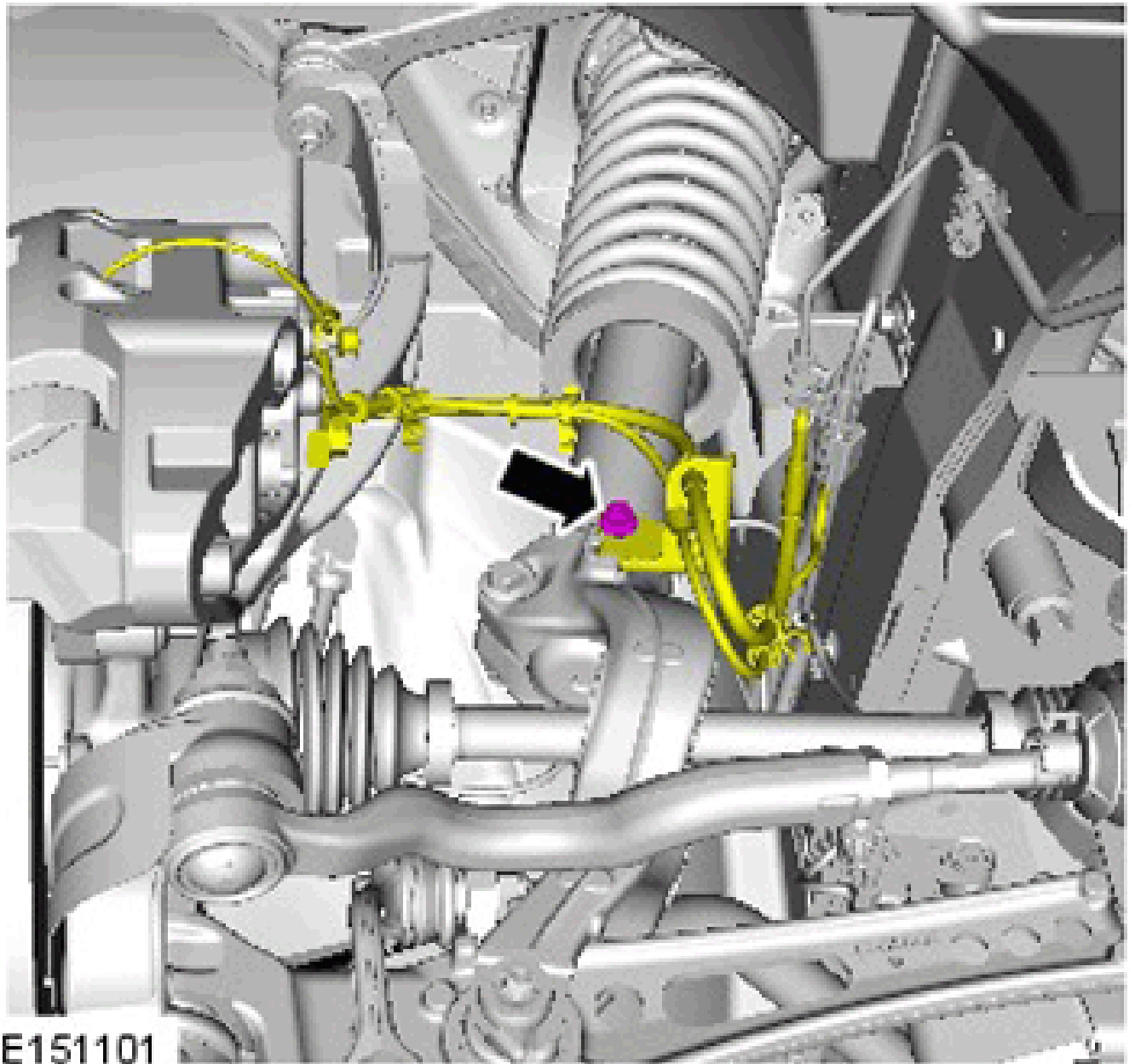




E151104

Torque Specification: 90 Nm

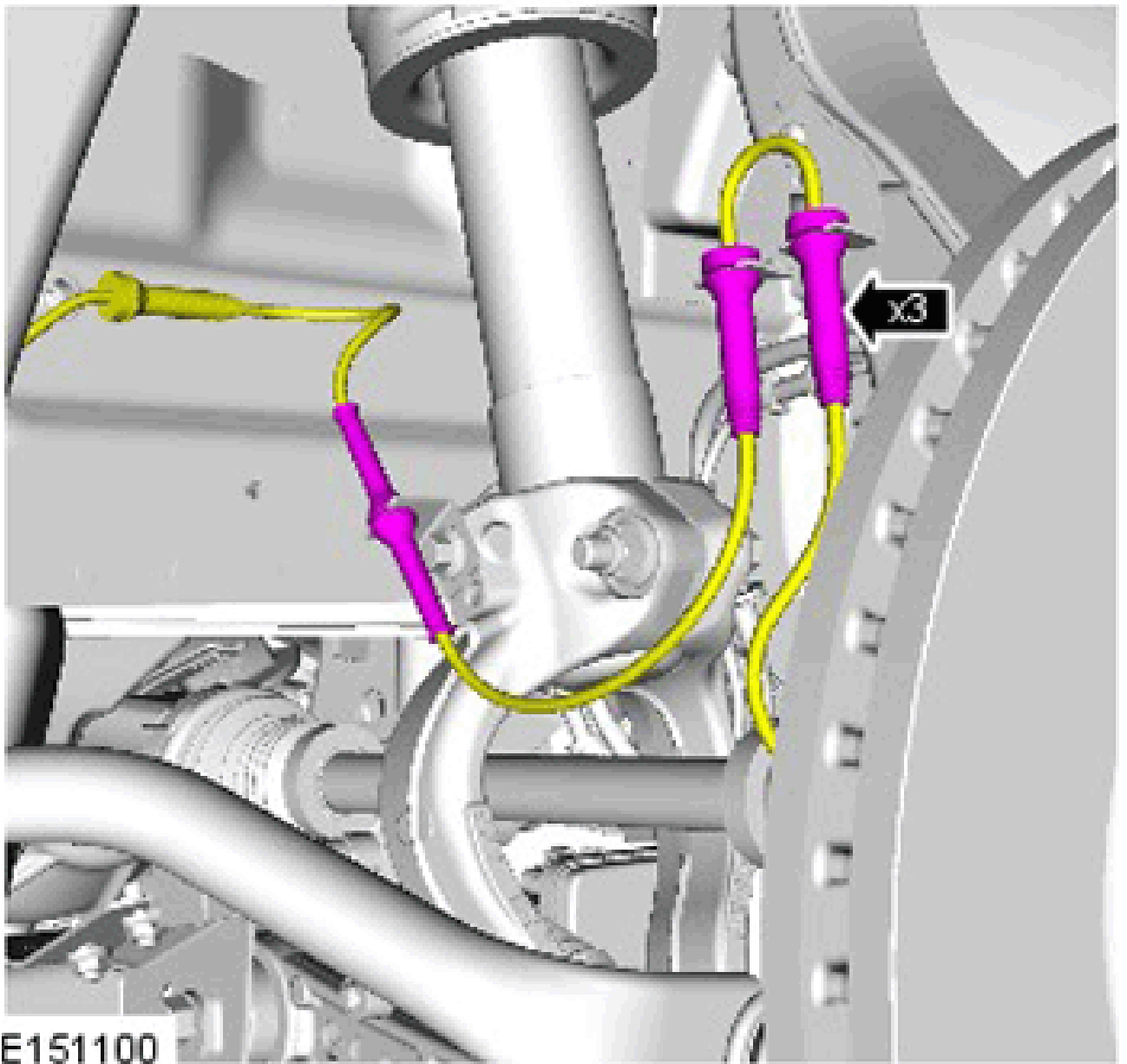
4.



E151101

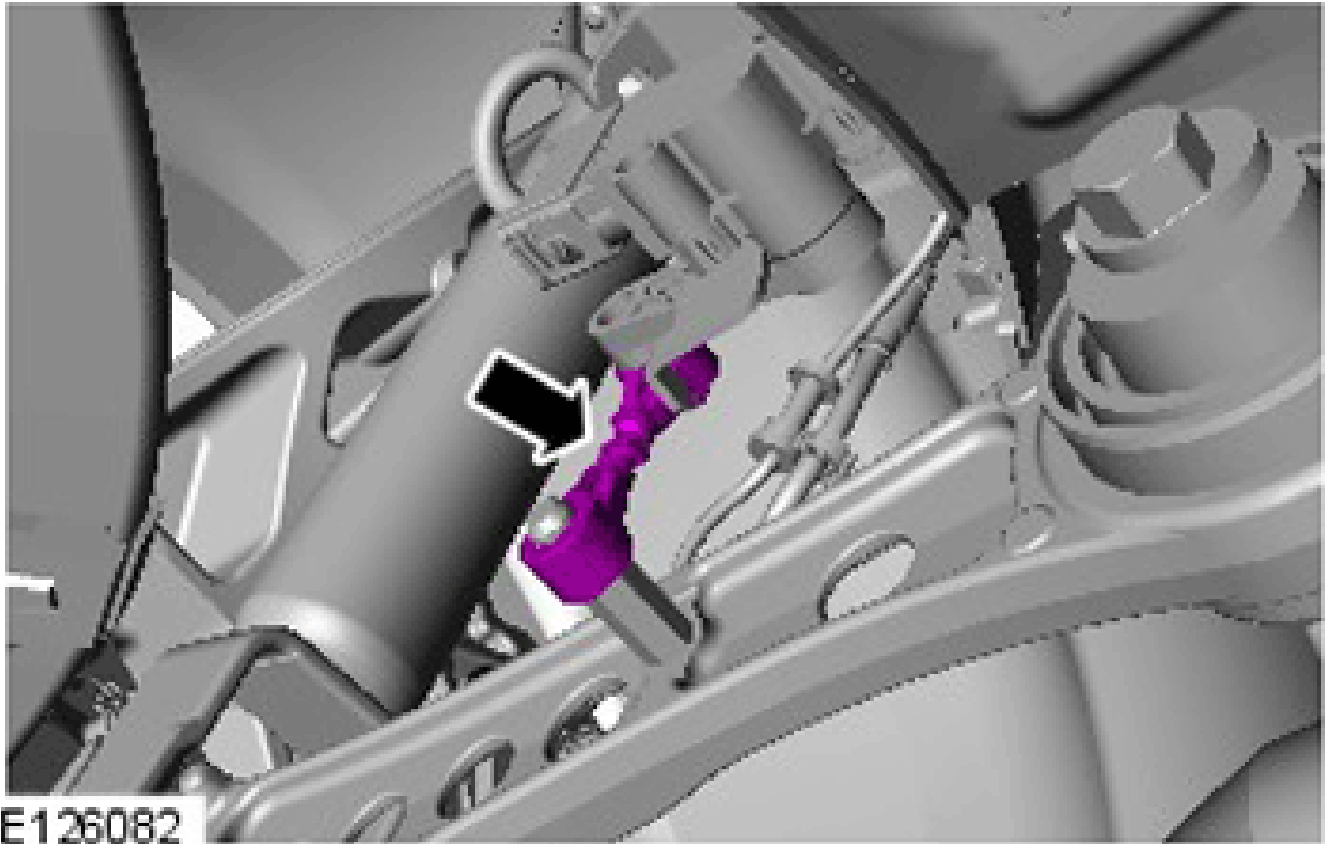
Torque Specification: 20 Nm

5.



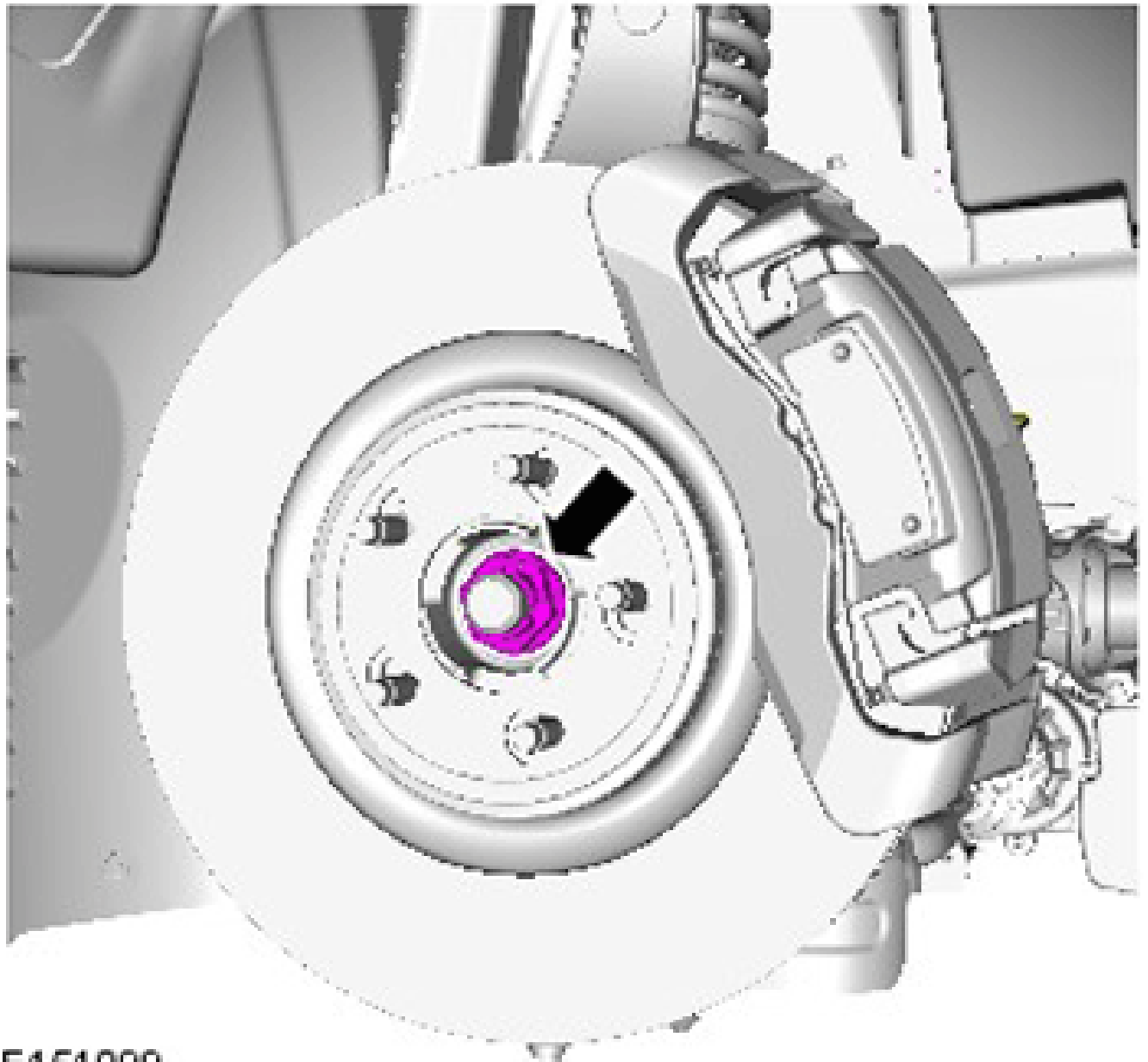
E151100

6.



7. **WARNING:** Make sure that a new nut is installed.

CAUTION: Do not use air tools to install the nut. Failure to follow this instruction may result in damage to the component.



E151099

Torque Specification: 300 Nm

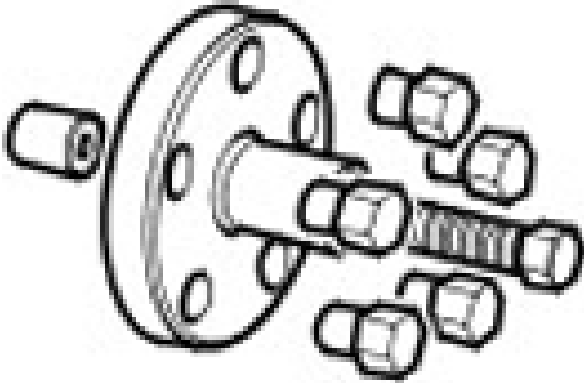
8. Refer to: **Wheel and Tire** (Removal and Installation).
9. Refer to: **Differential Draining and Filling** (General Procedures).

FRONT HALFSHAFT RH (G1822216)

SPECIAL TOOL(S)

	205-857 Remover, Halfshaft
--	--------------------------------------

205-857



E79462

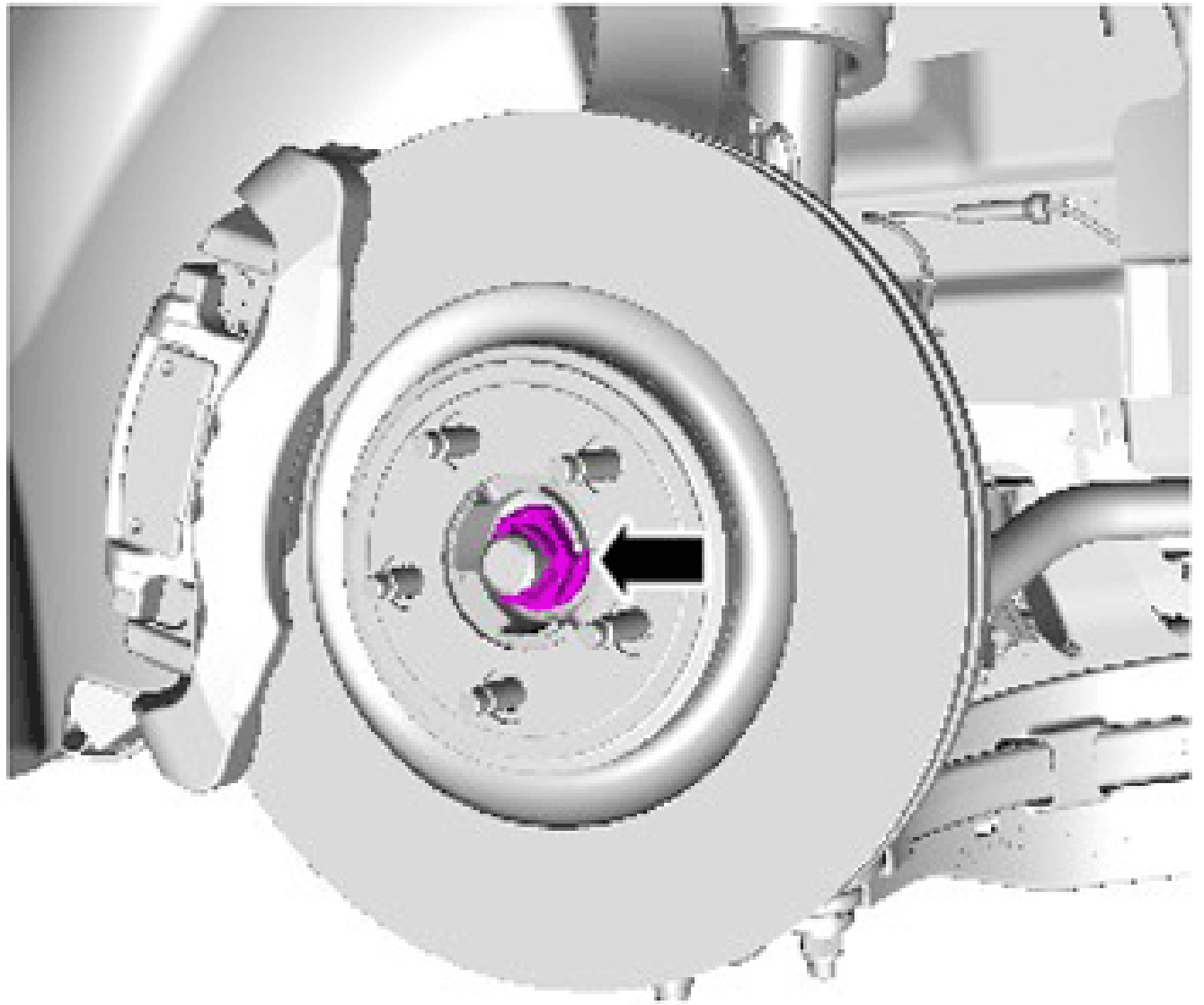
REMOVAL

NOTE: Some variation in the illustrations may occur, but the essential information is always correct.

1. **WARNING:** Make sure to support the vehicle with axle stands.

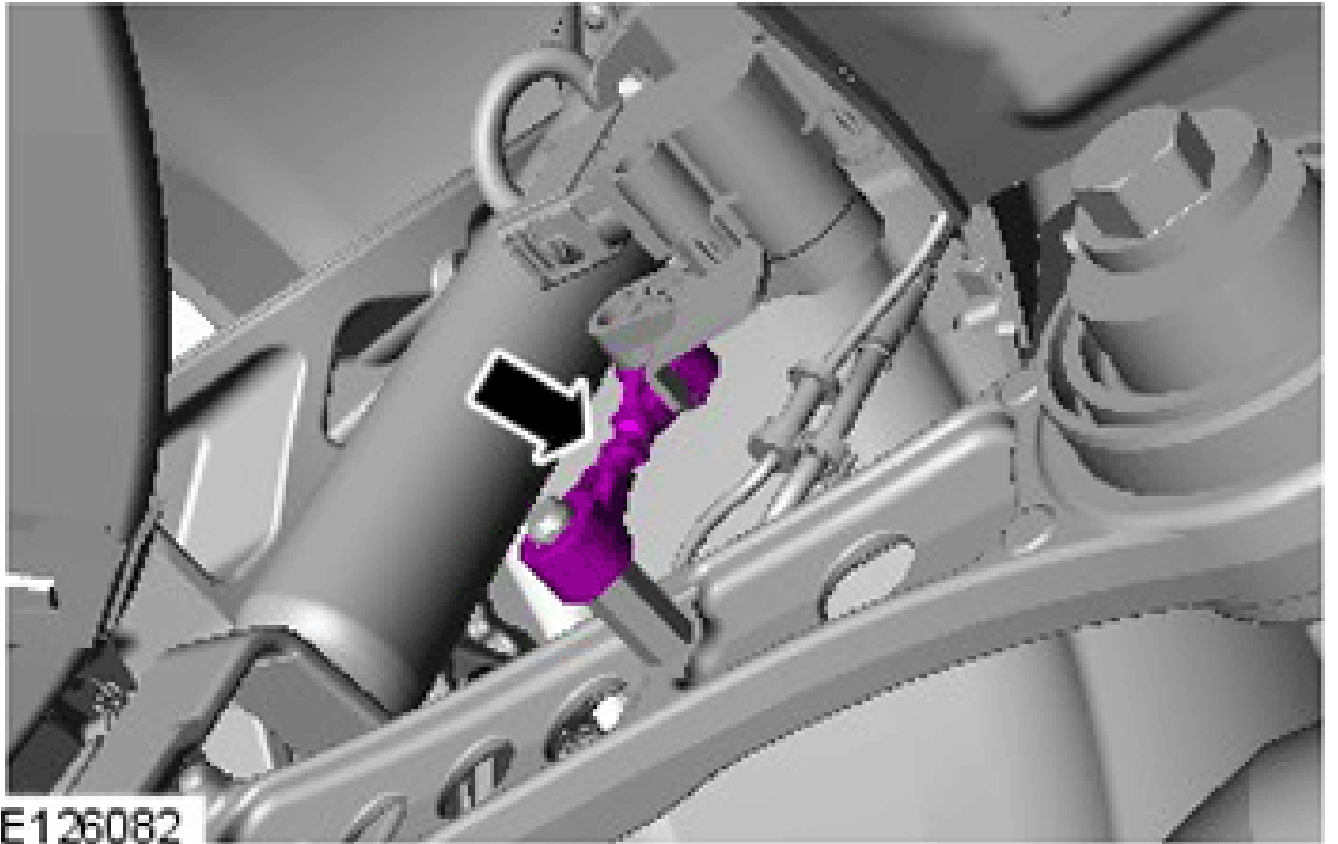
Raise and support the vehicle.

2. Refer to: [Wheel and Tire](#) (Removal and Installation).
3. **CAUTION:** Discard the nut.



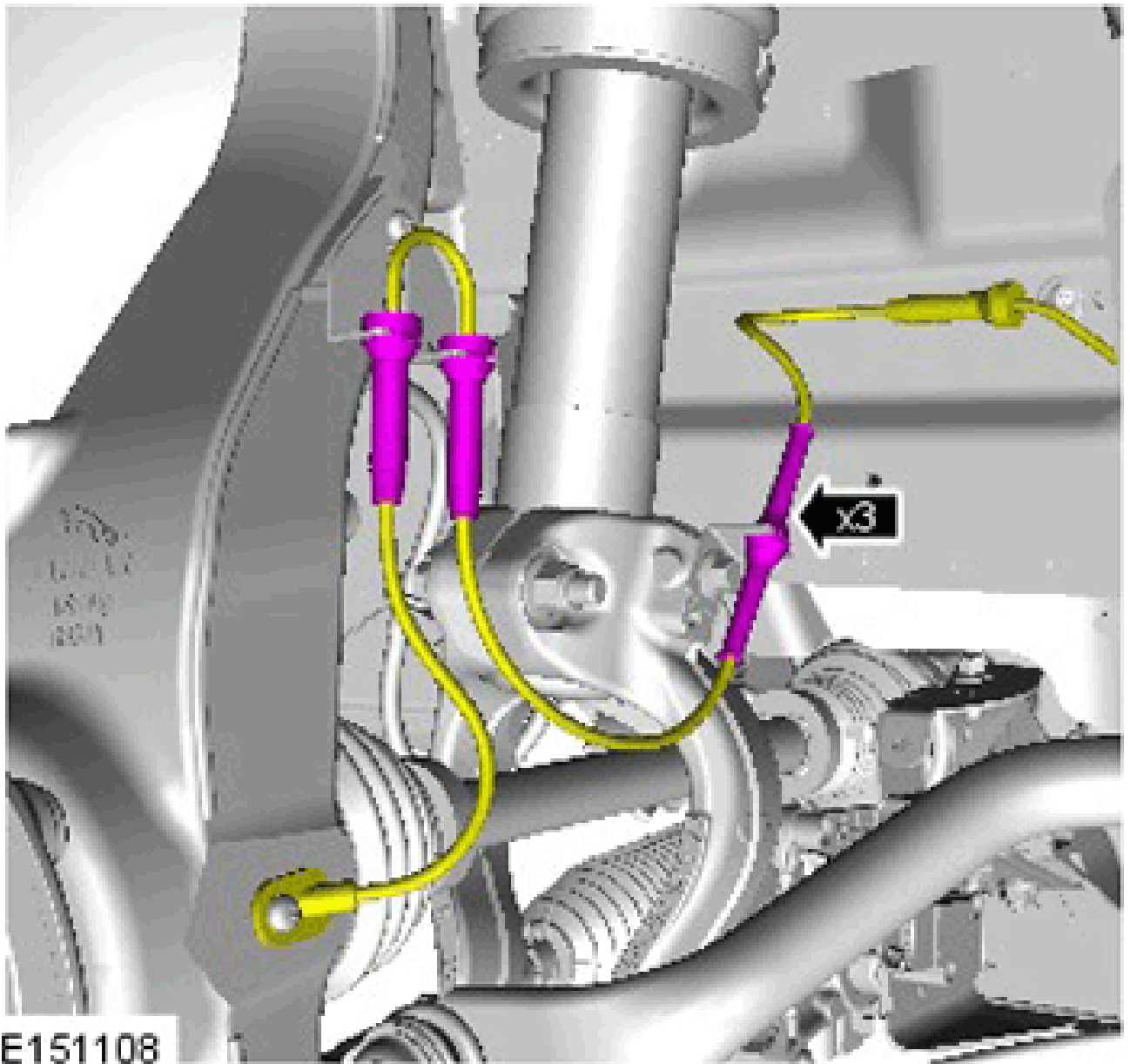
E151107

4.

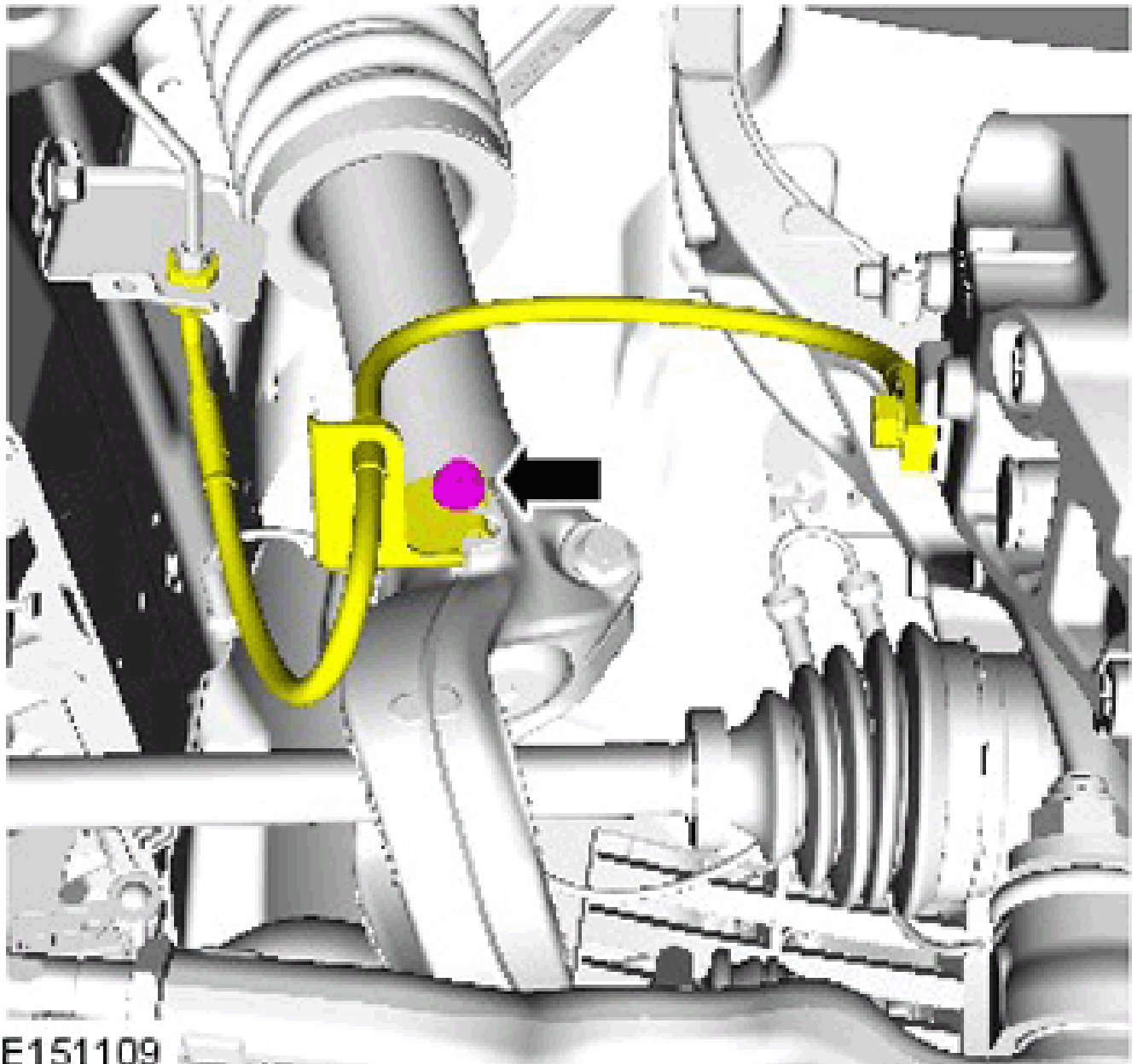


E126082

5.

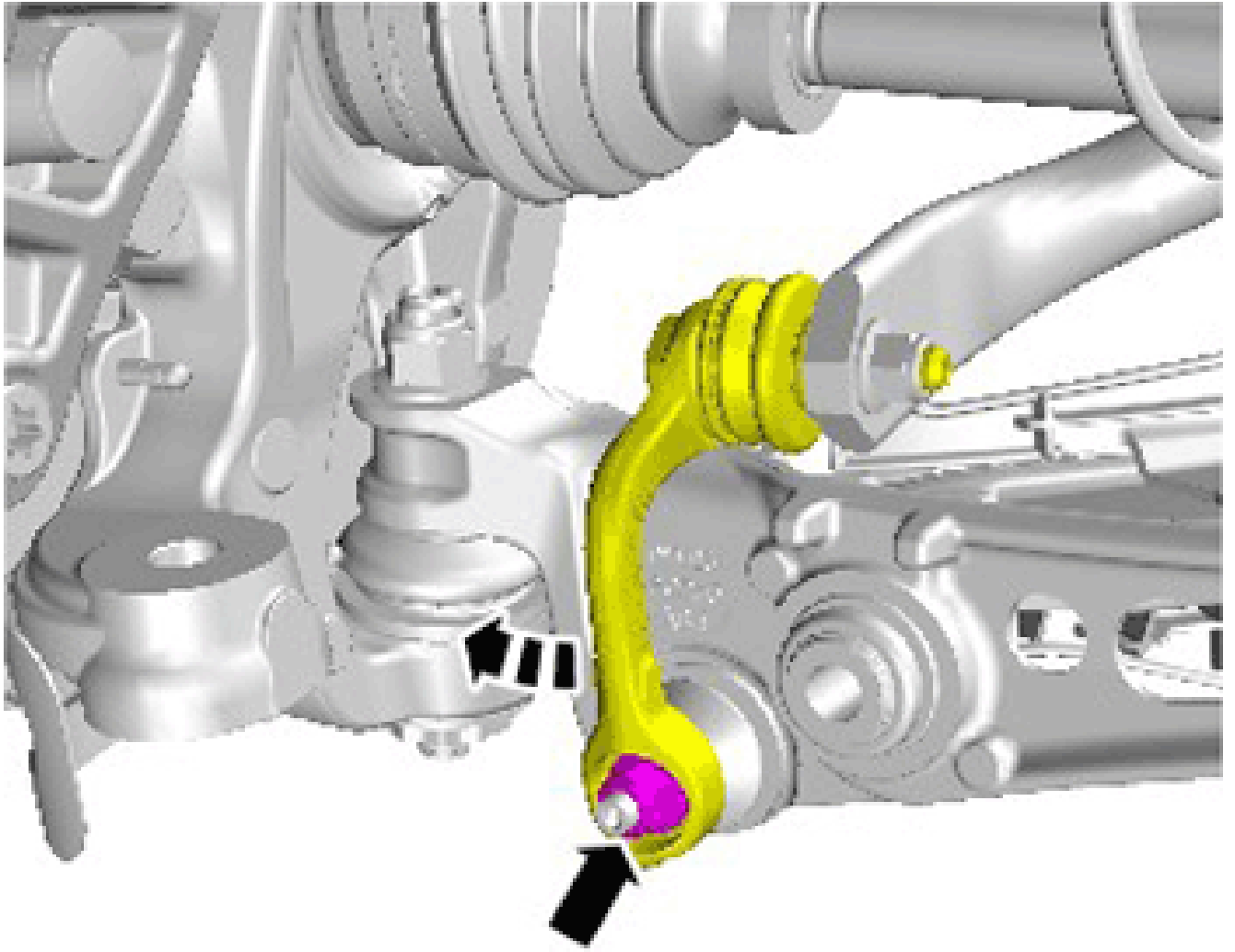


6.



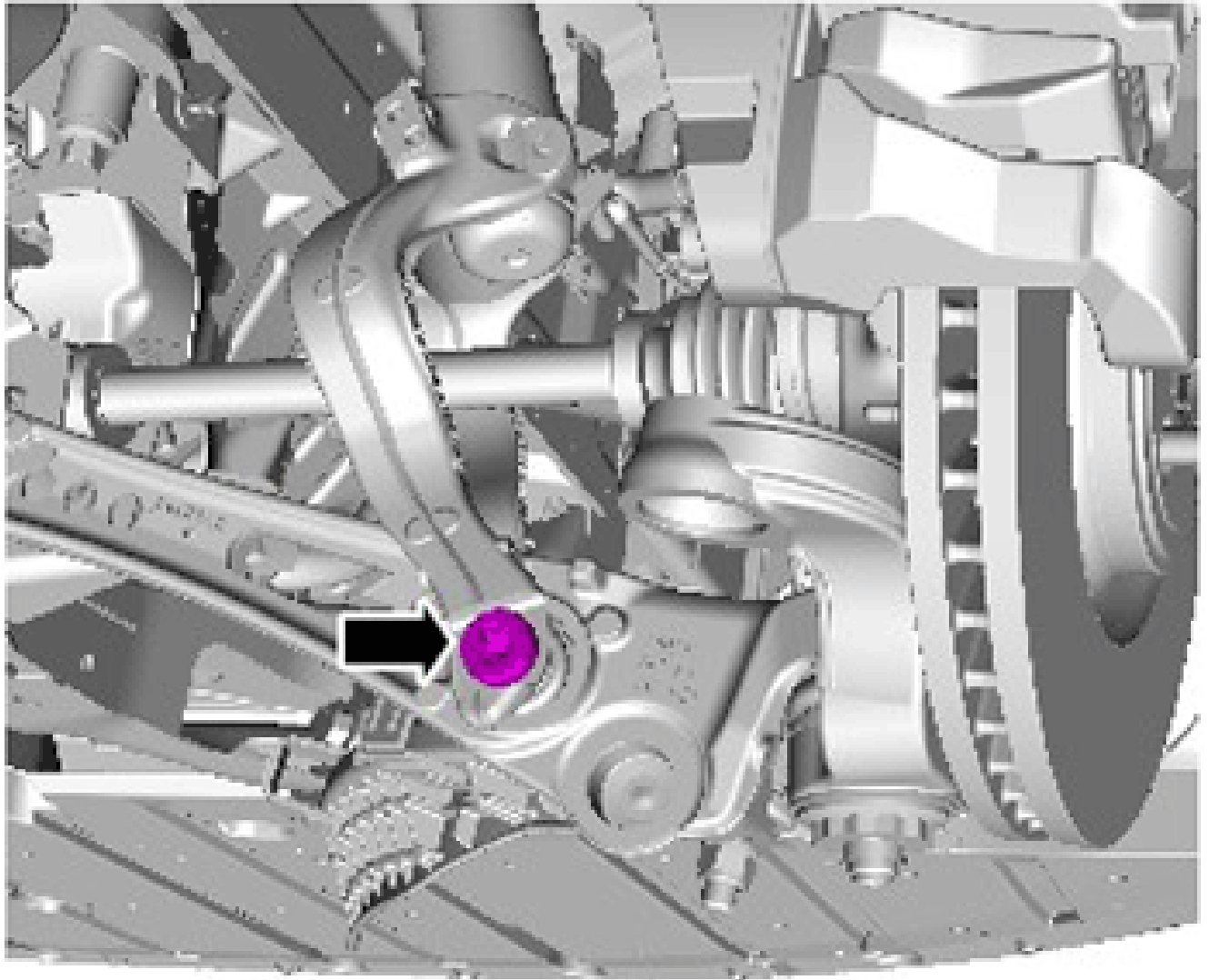
7. **NOTE:**

- Use an additional wrench to prevent the ball joint rotating.
- Remove and discard the nut.



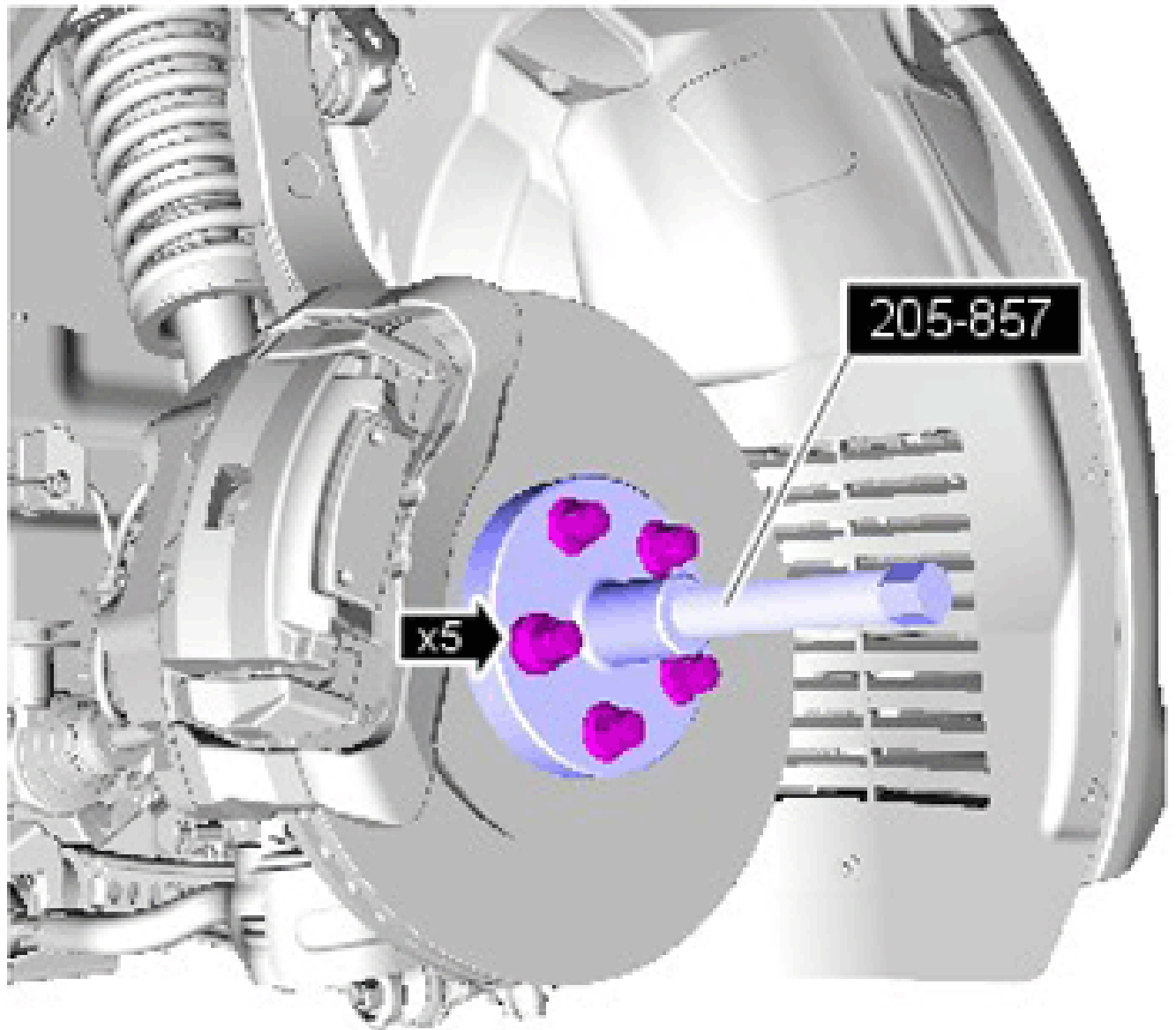
E151423

8.



E151112

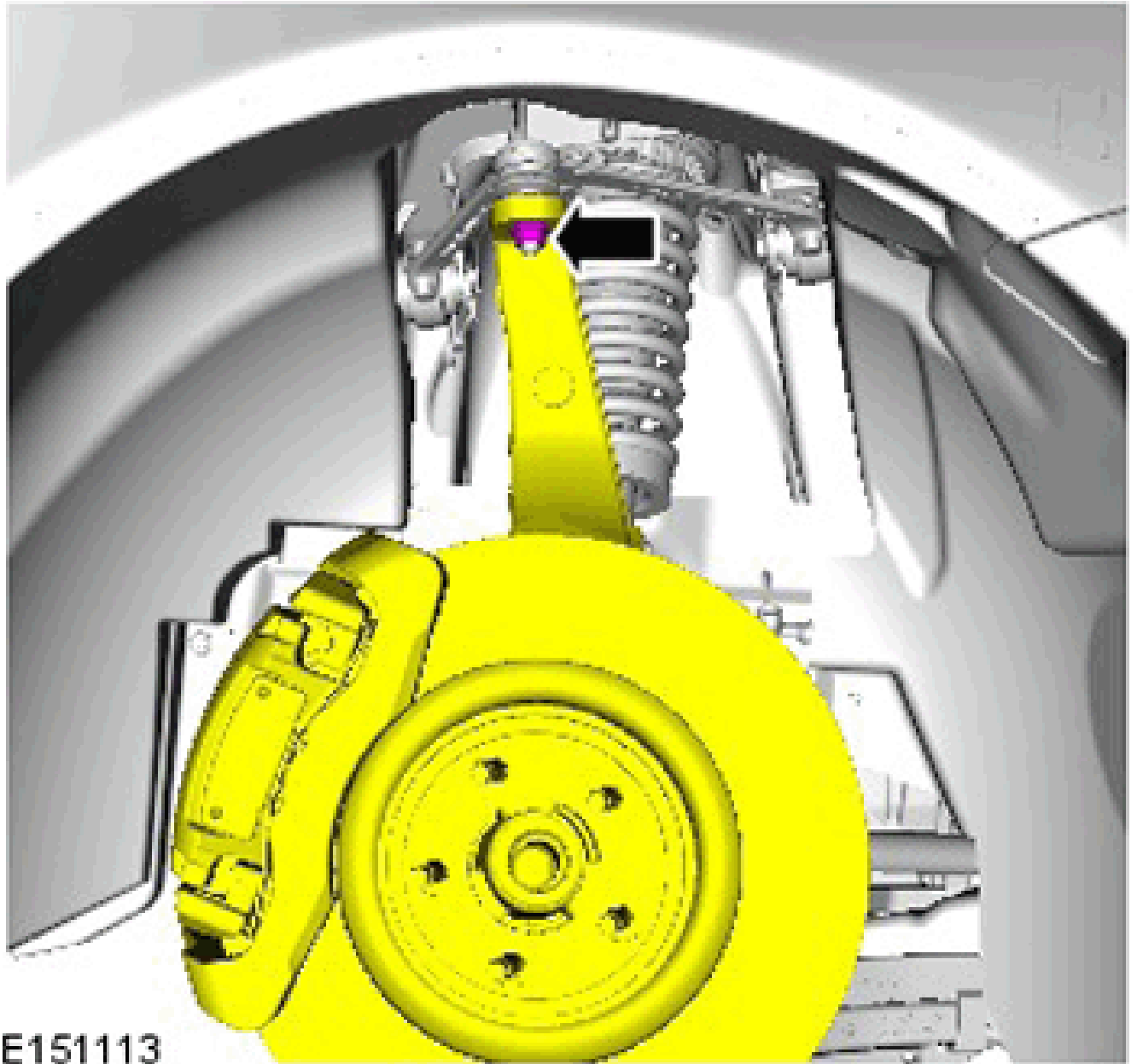
9. **CAUTION:** Do not use a hammer to detach the halfshaft from the hub assembly, failure to follow this instruction may result in damage to the halfshaft.



E151114

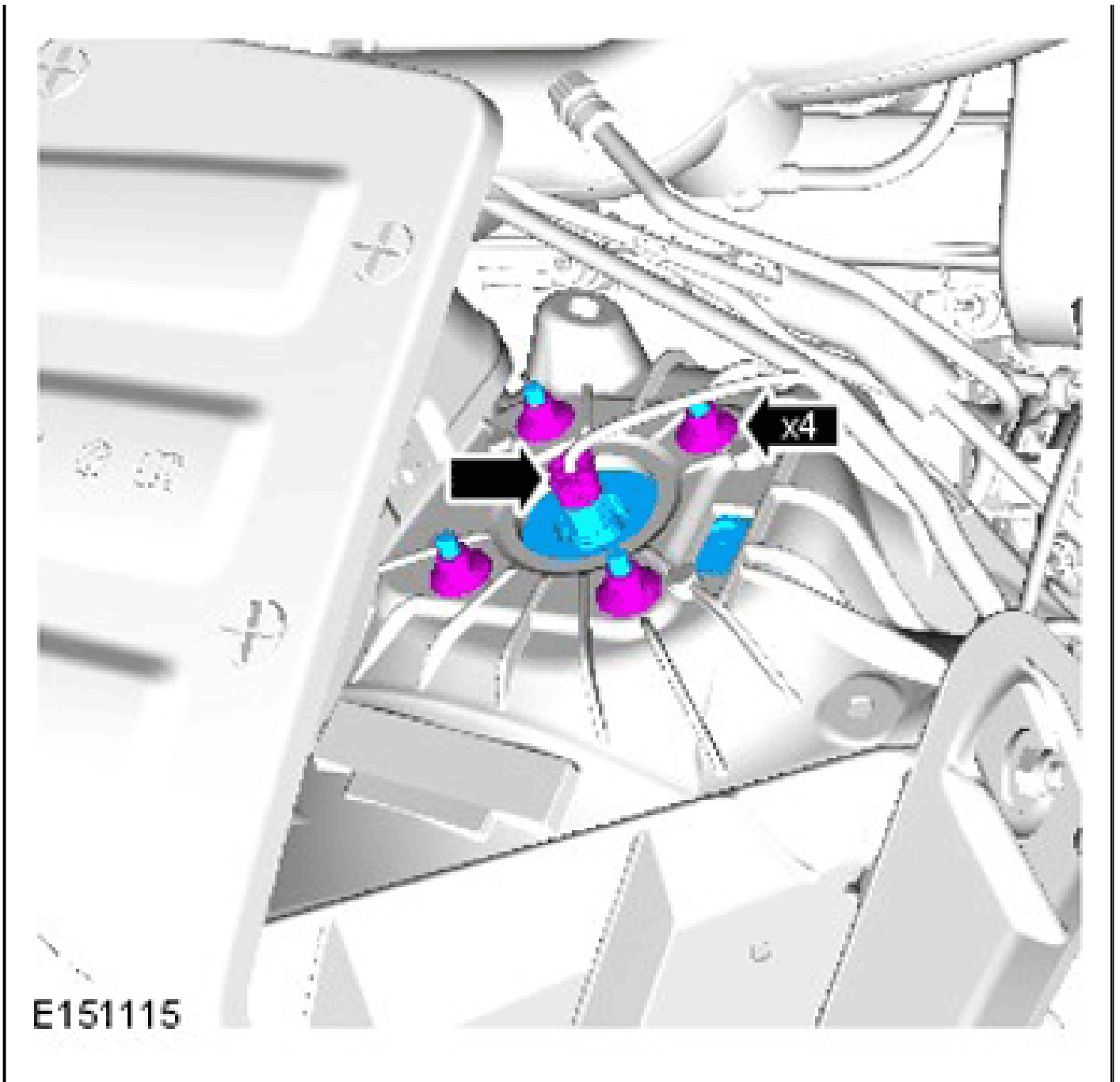
Special Tool(s): 205-857

10. **CAUTION:**
- Make sure the wheel knuckle is supported. Failure to follow these instructions may result in damage to the vehicle.
 - Discard the nut.
 - Make sure that no load is placed on the brake hose.



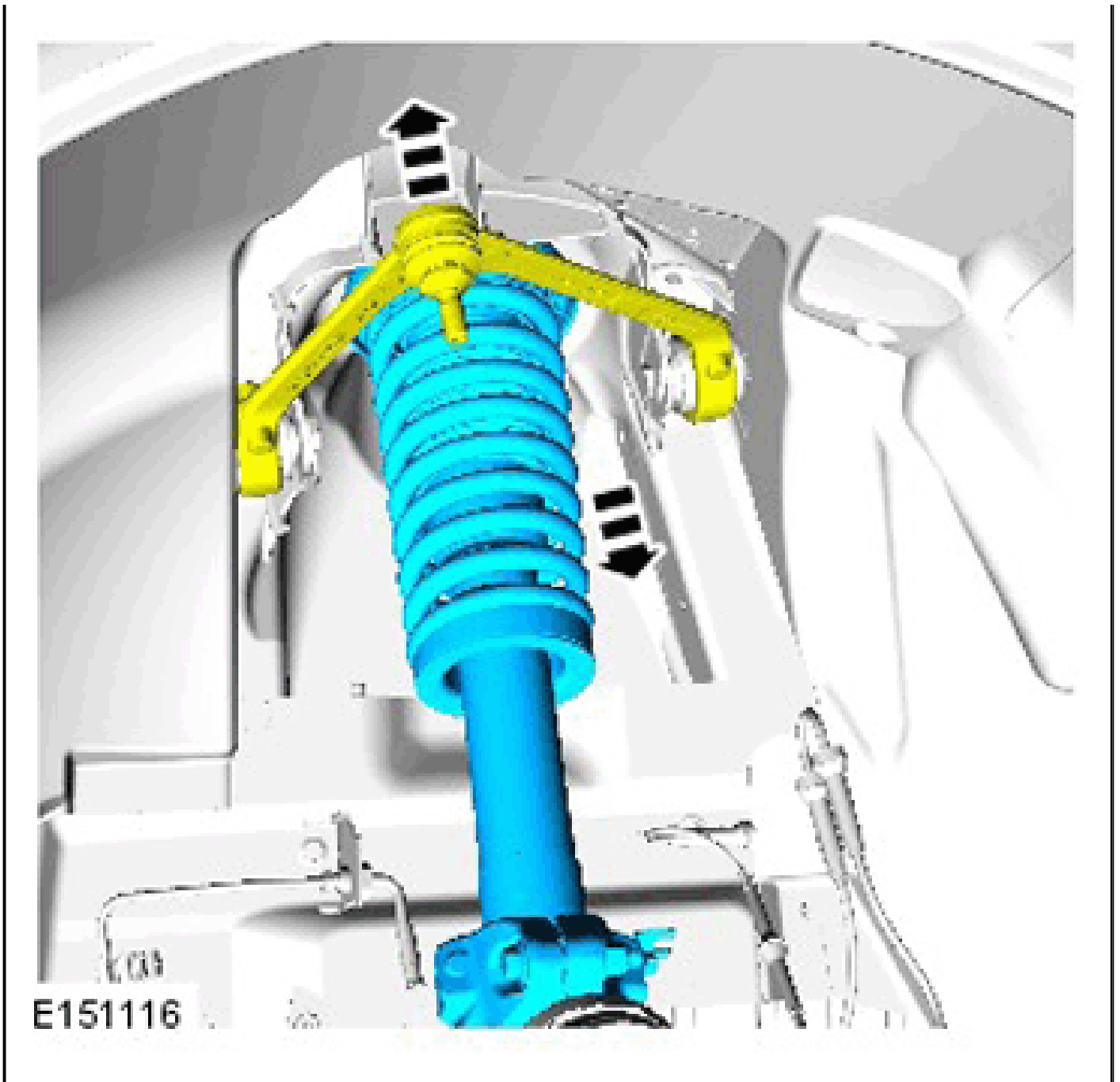
E151113

11. **CAUTION:** Discard the nuts.

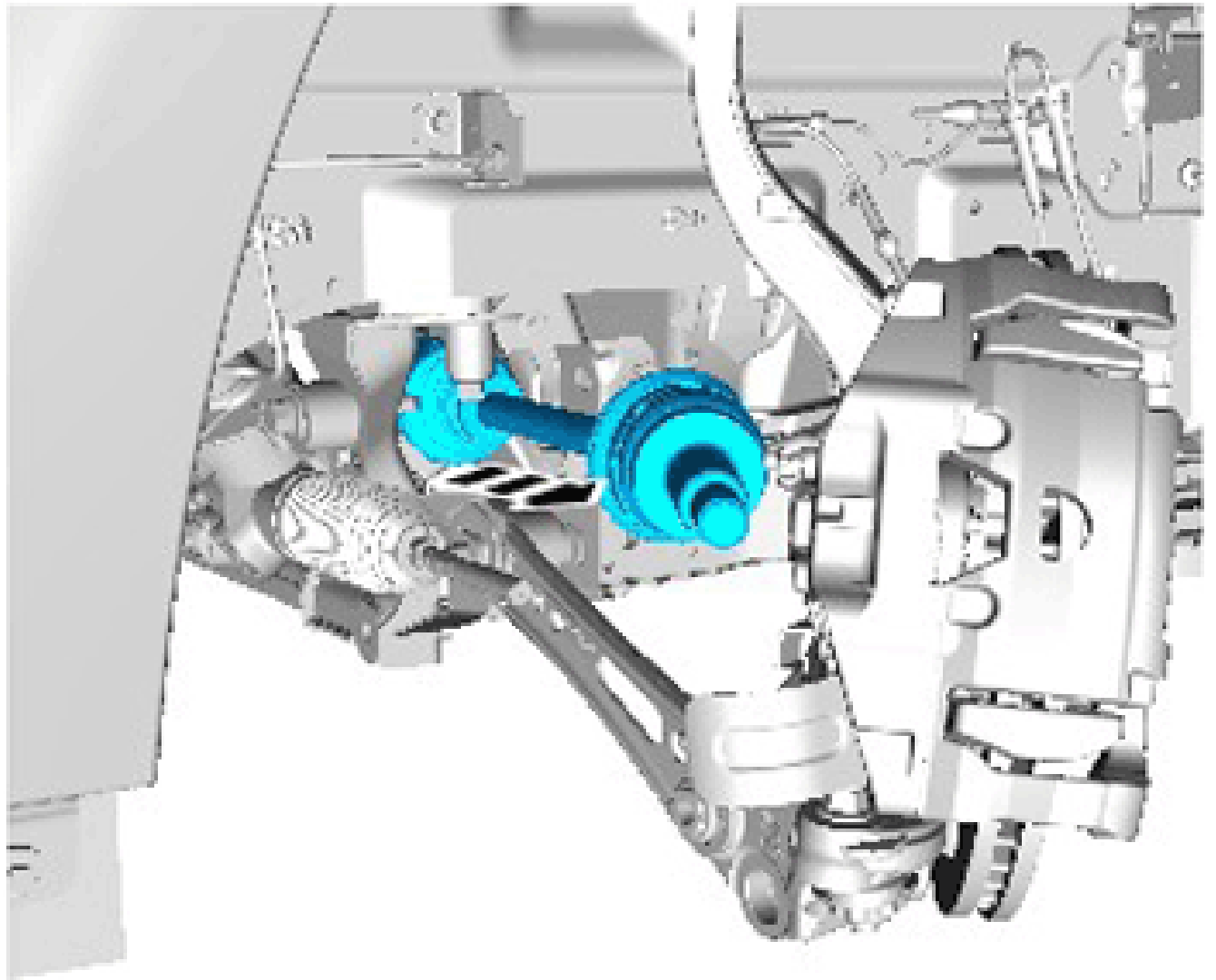


12. **WARNING:** Make sure to support the shock absorber.

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

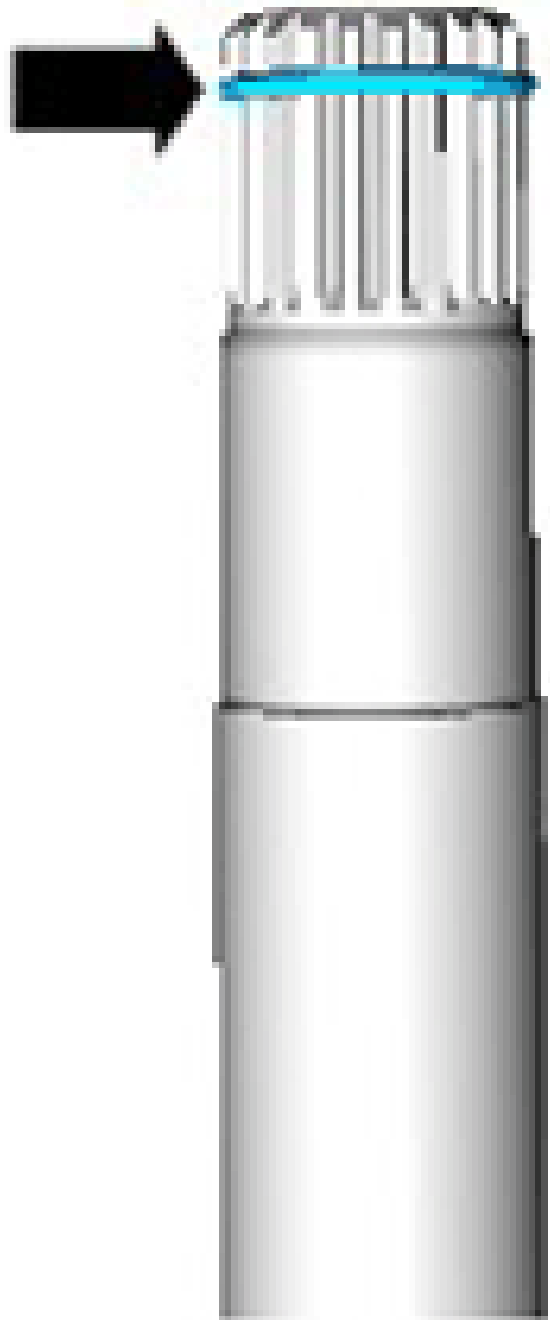


13. **CAUTION:**
- To avoid damage to the joint or gaiter, do not allow the driveshaft to hang.
 - To avoid damage to the halfshaft constant velocity (CV) joints and boots, do not allow the CV joints to exceed 18 degrees of travel.
 - Be prepared to collect escaping fluids.



E151117

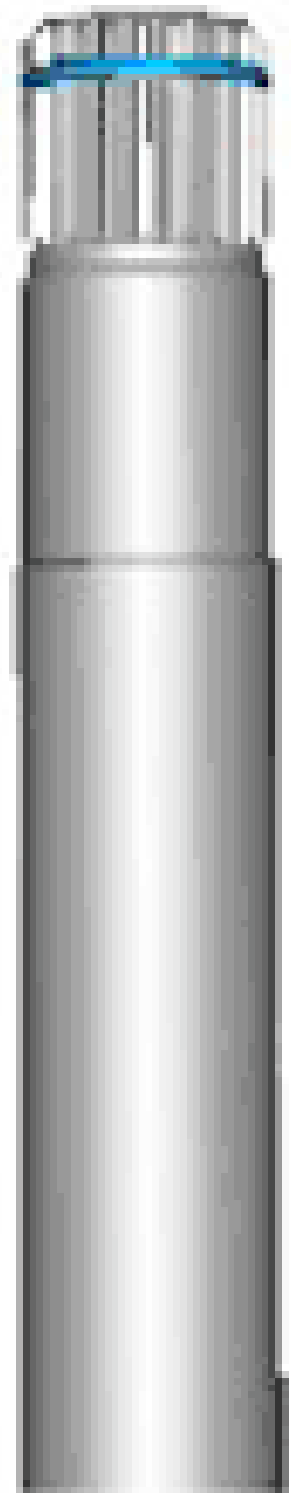
E 151852



INSTALLATION

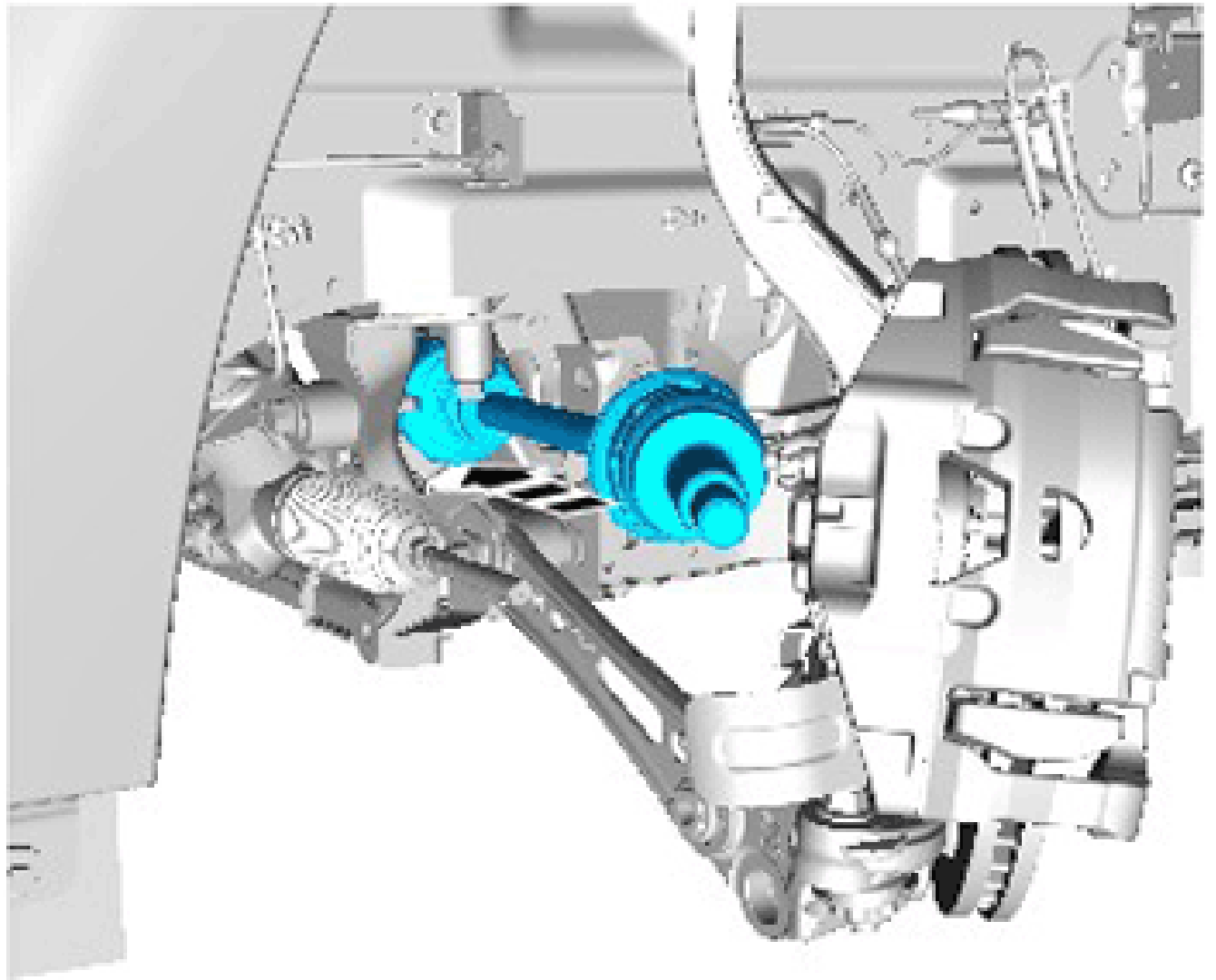
1. **CAUTION:** Install a new snap ring.

E151142



2. CAUTION:

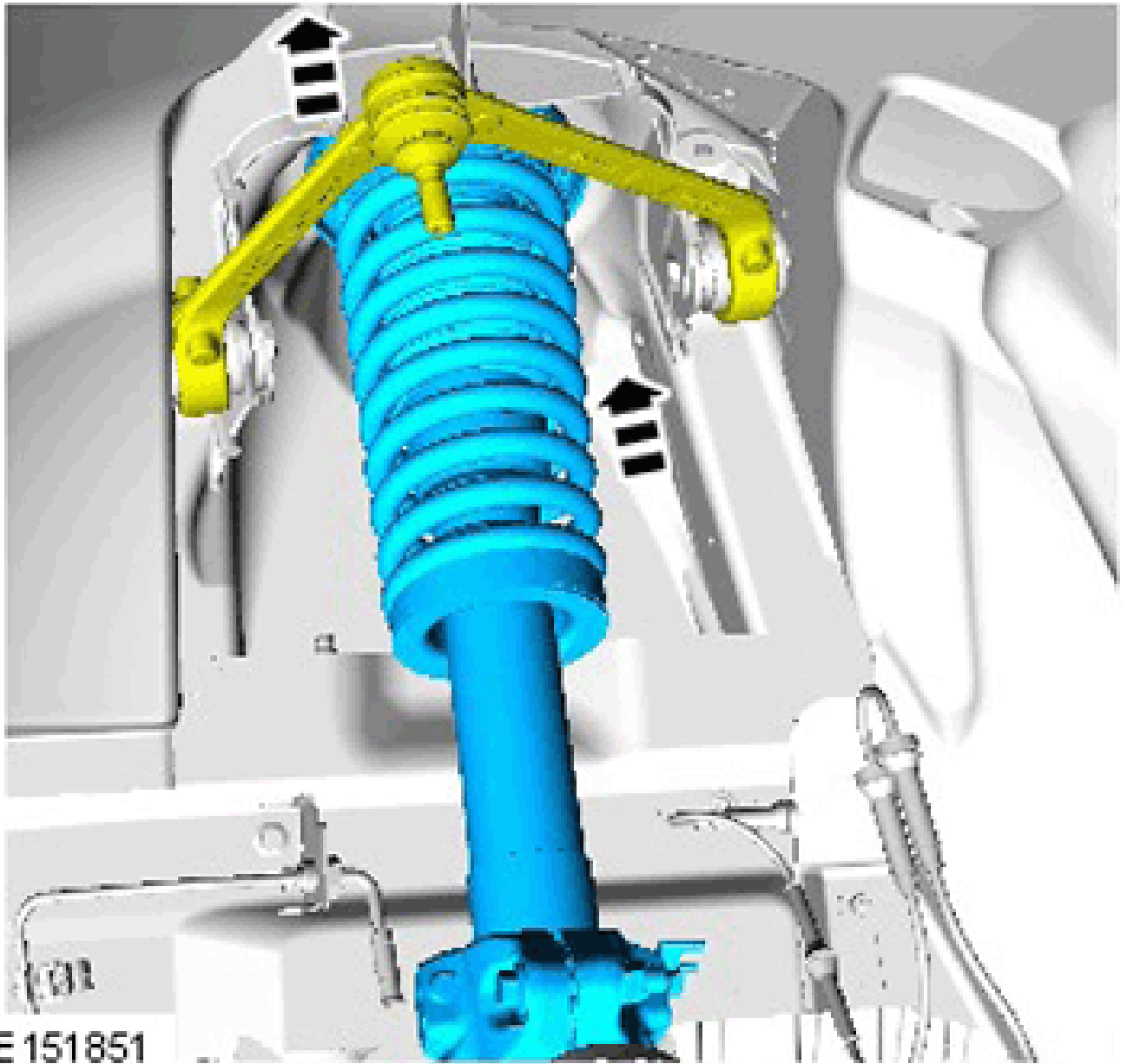
- Do not allow halfshafts to hang unsupported at one end or joint damage will occur.
- Make sure no damage occurs to the halfshaft seal when installing the halfshaft.



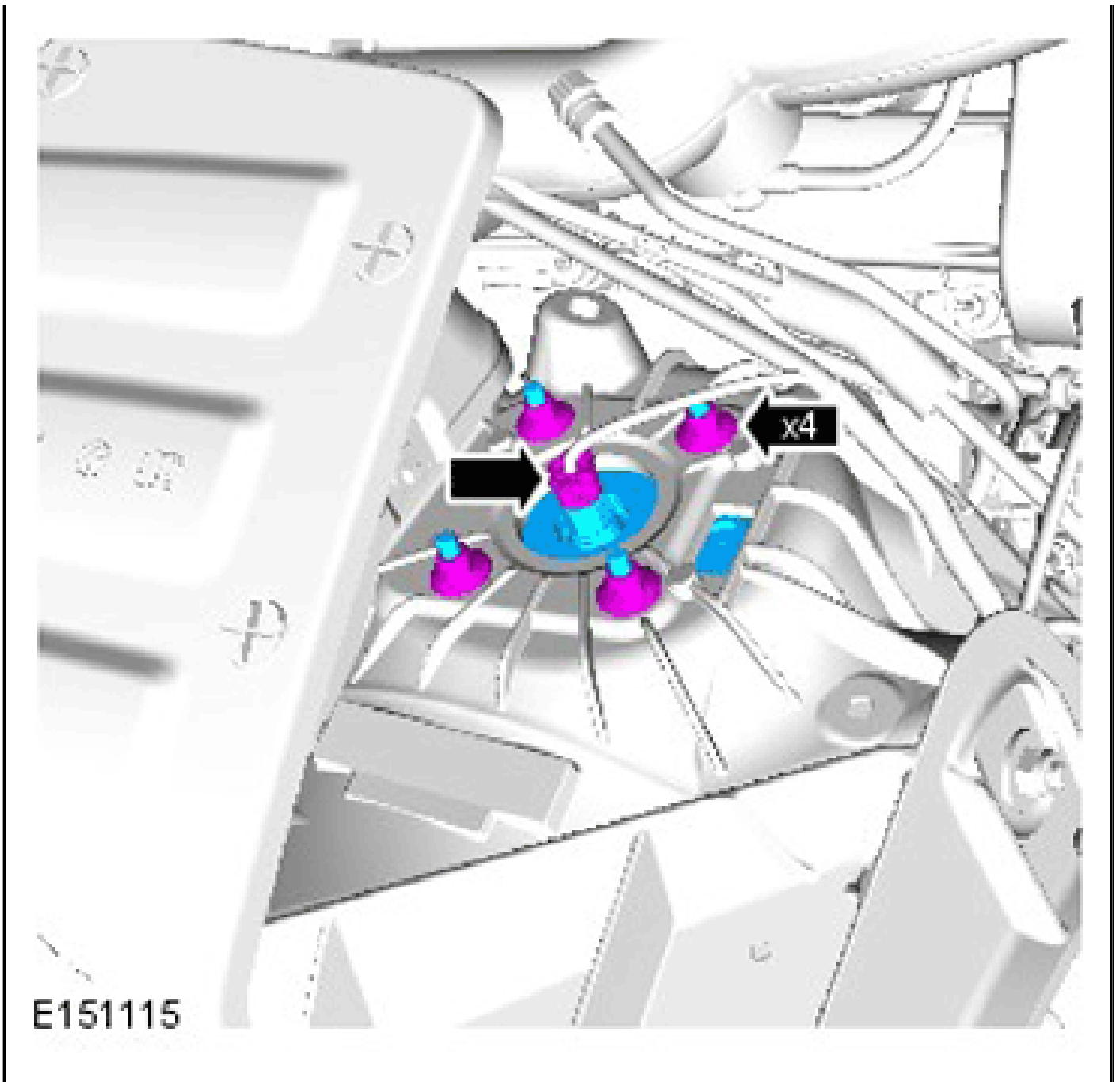
E151141

3. **WARNING:** Make sure to support the shock absorber.

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



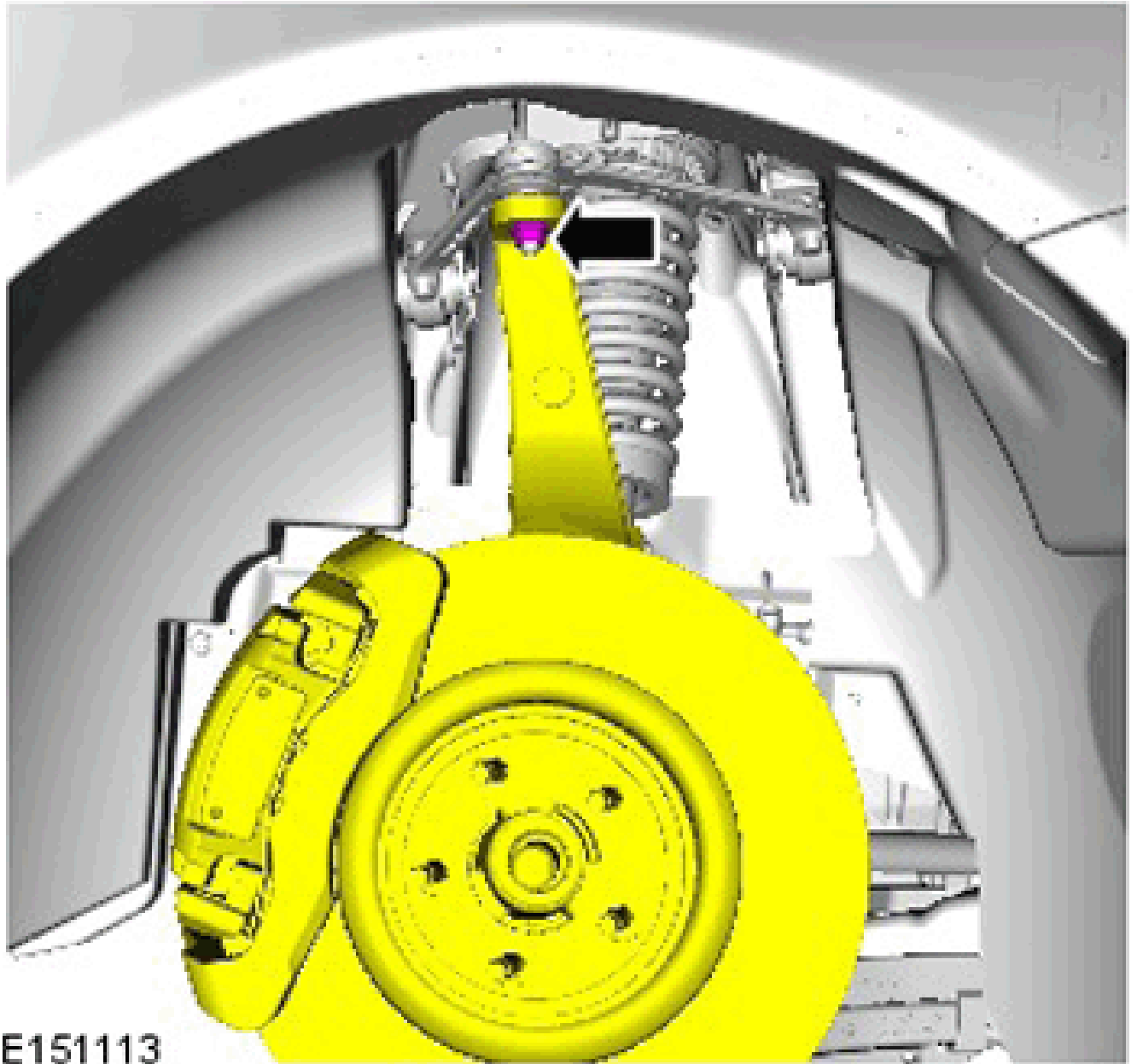
4. **CAUTION:** Make sure that new nuts are installed.



Torque Specification: 27 Nm

5. **WARNING:** Make sure that a new nut is installed.

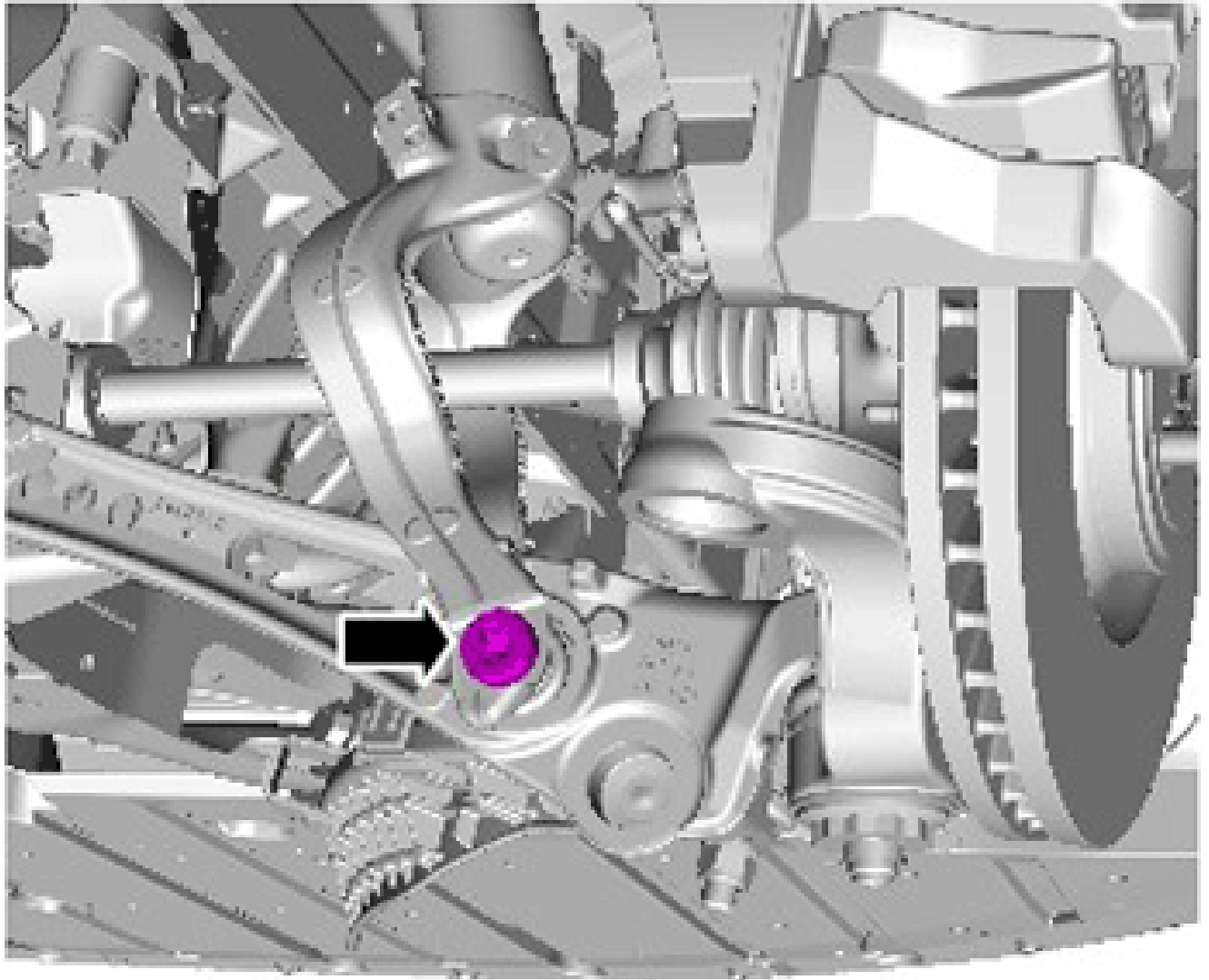




E151113

Torque Specification: 90 Nm

6.

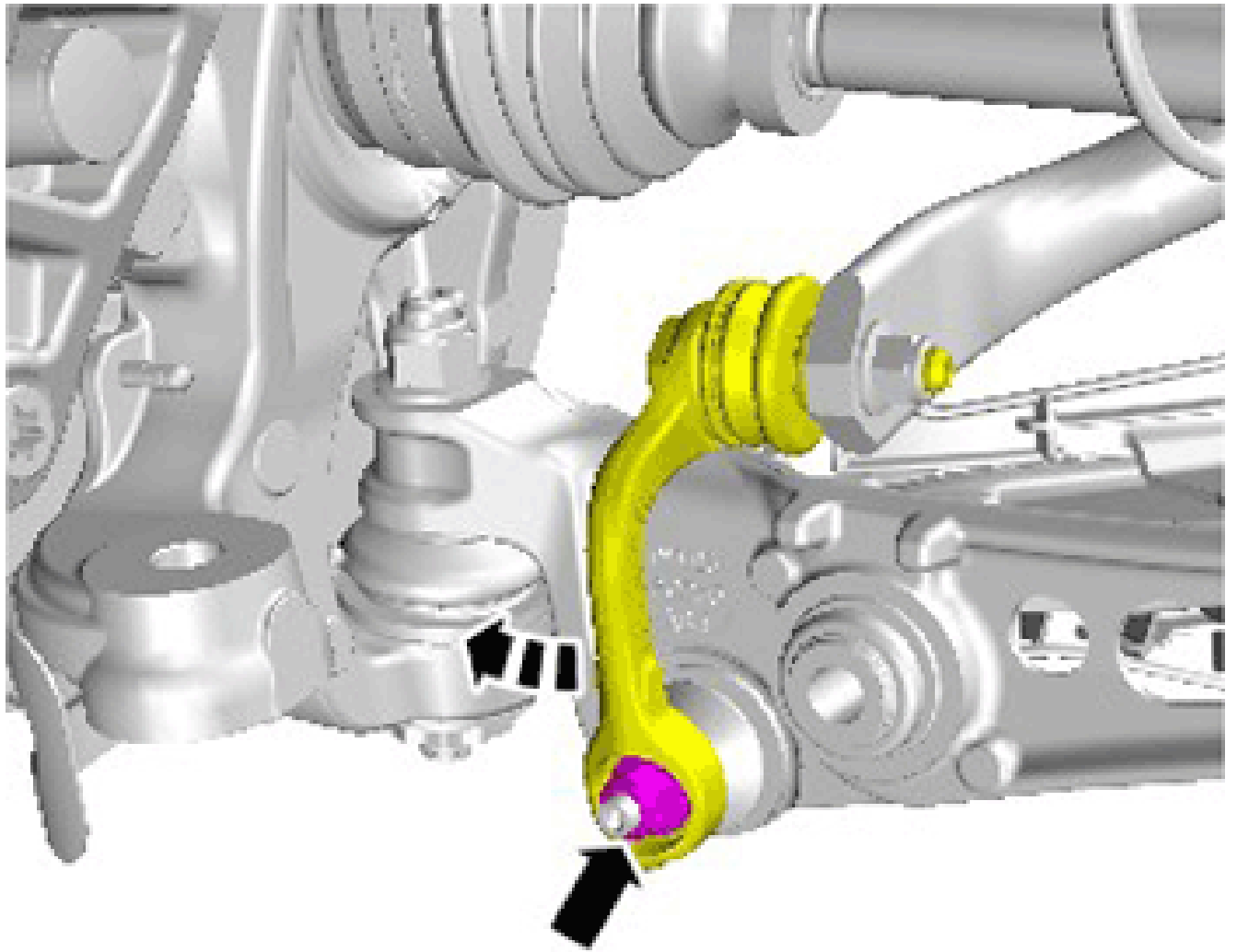


E151112

Torque Specification: 130 Nm

7. **WARNING:** Make sure that a new nut is installed.

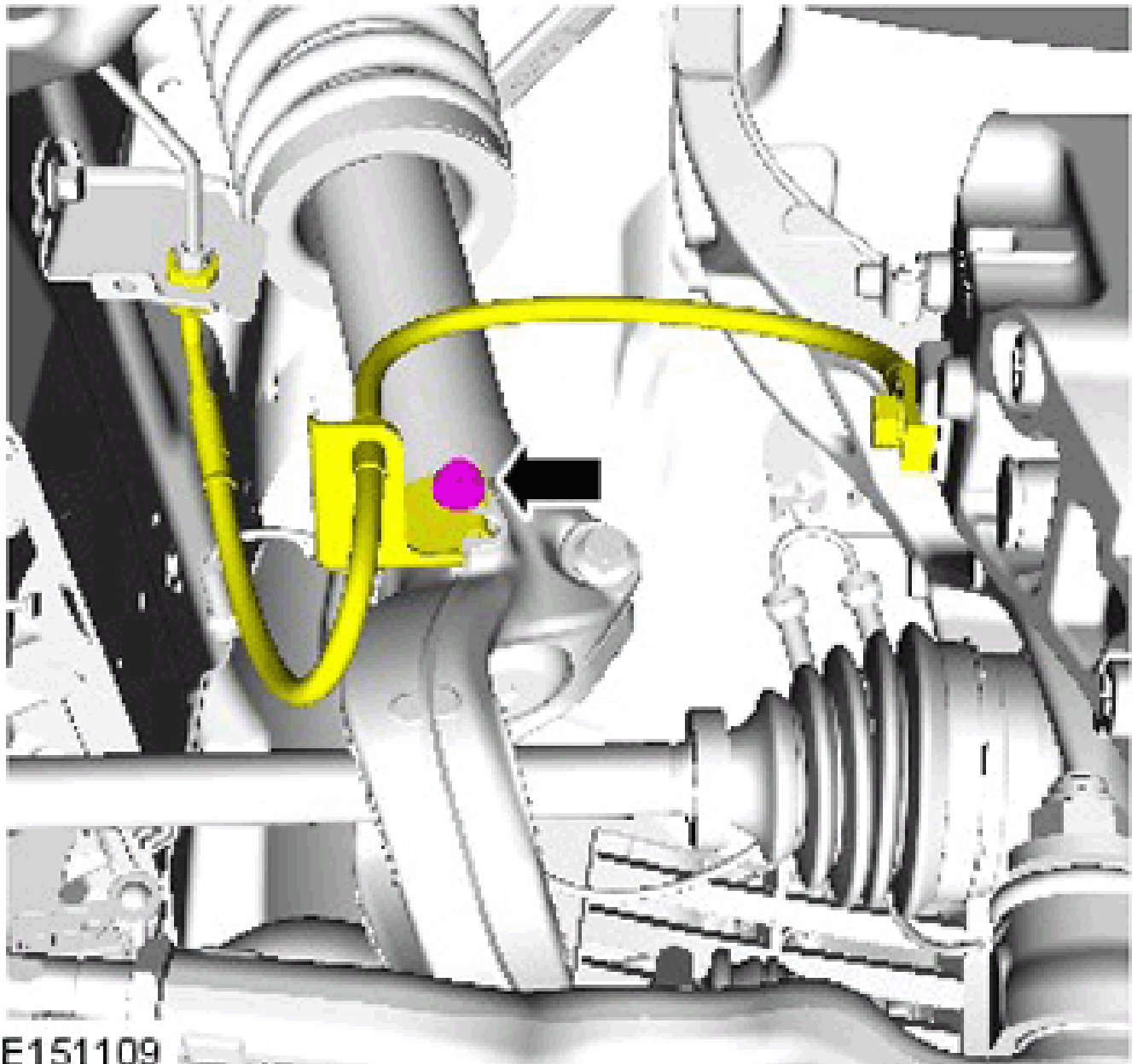
NOTE: Use an additional wrench to prevent the component from rotating.



E151423

Torque Specification: 43 Nm

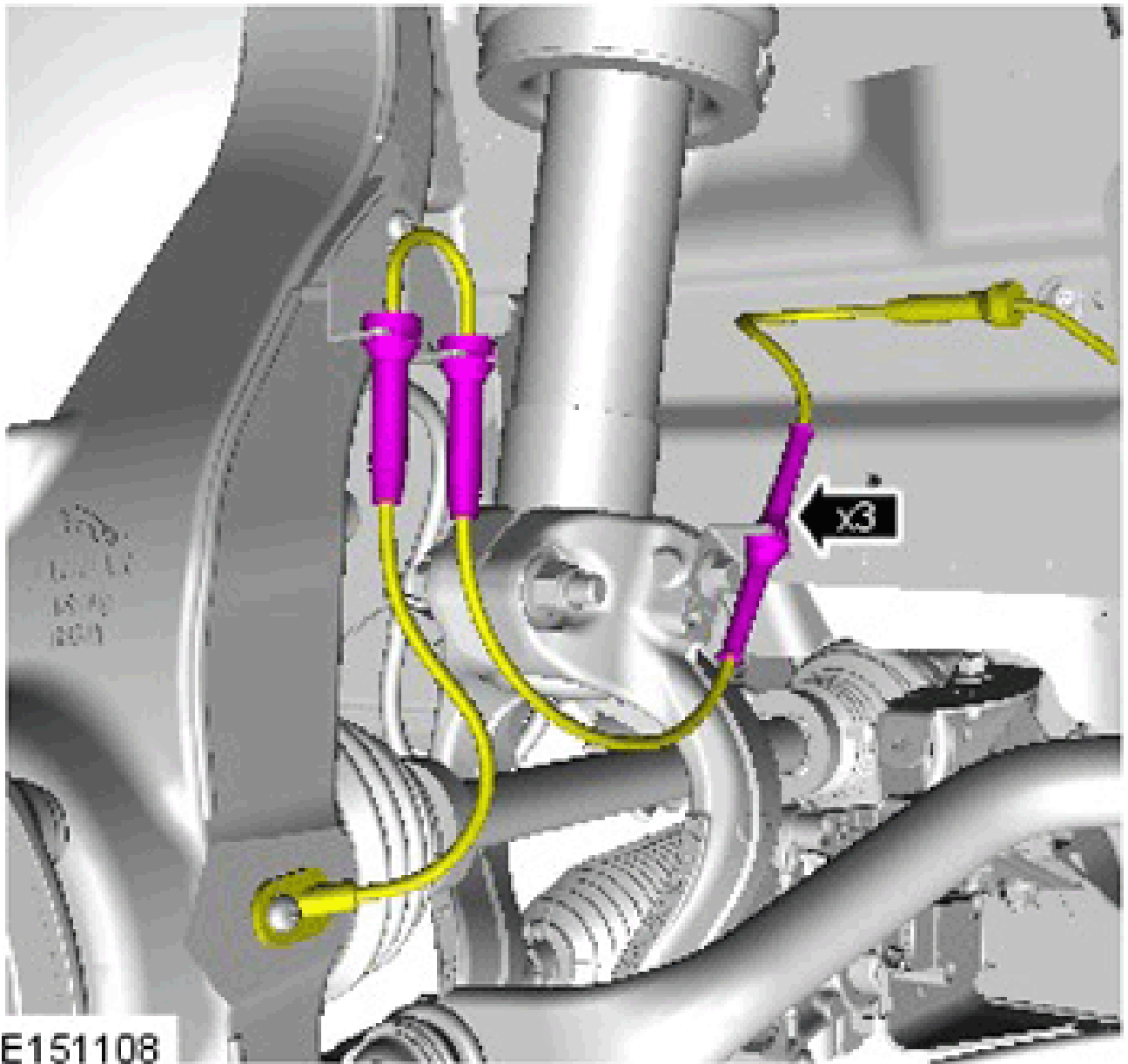
8.



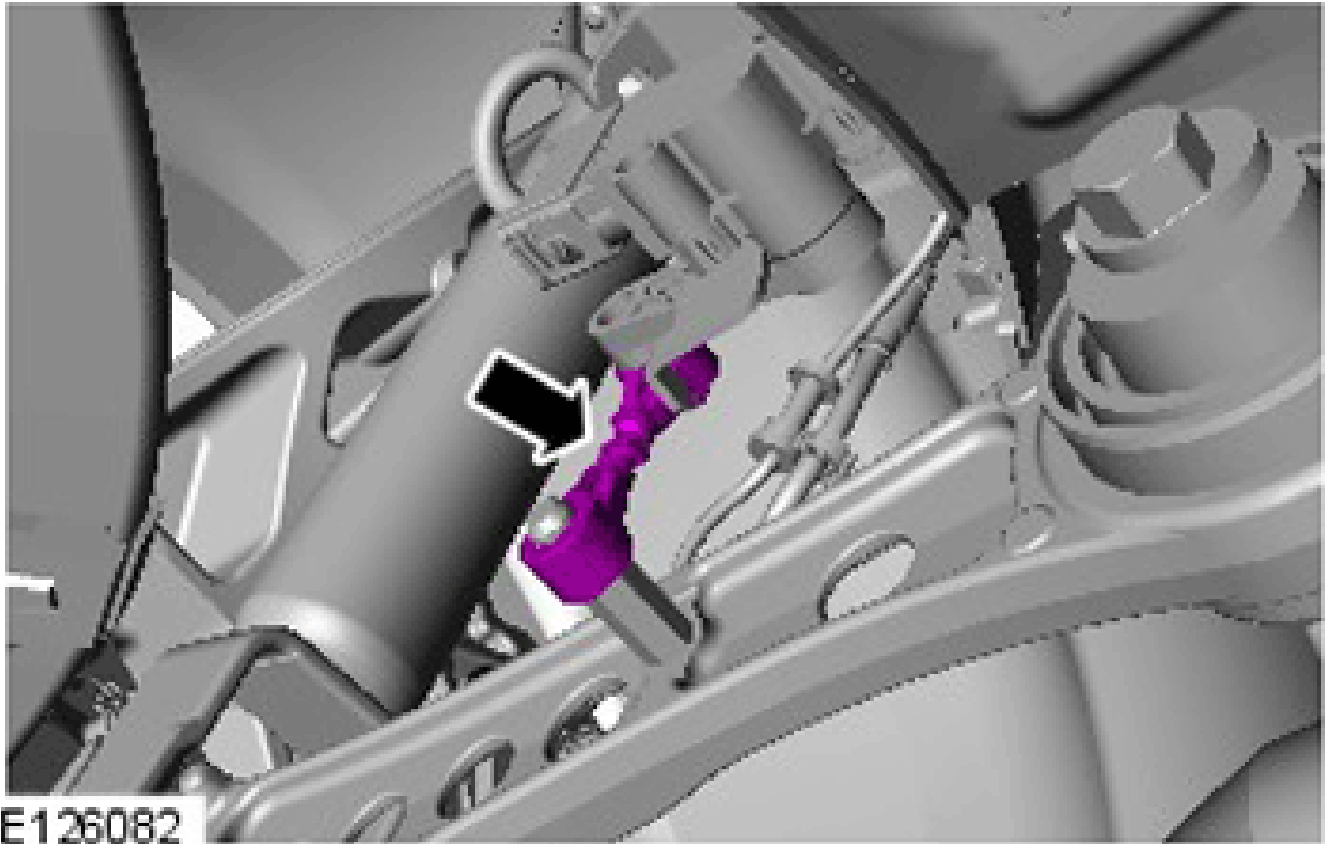
E151109

Torque Specification: 20 Nm

9.

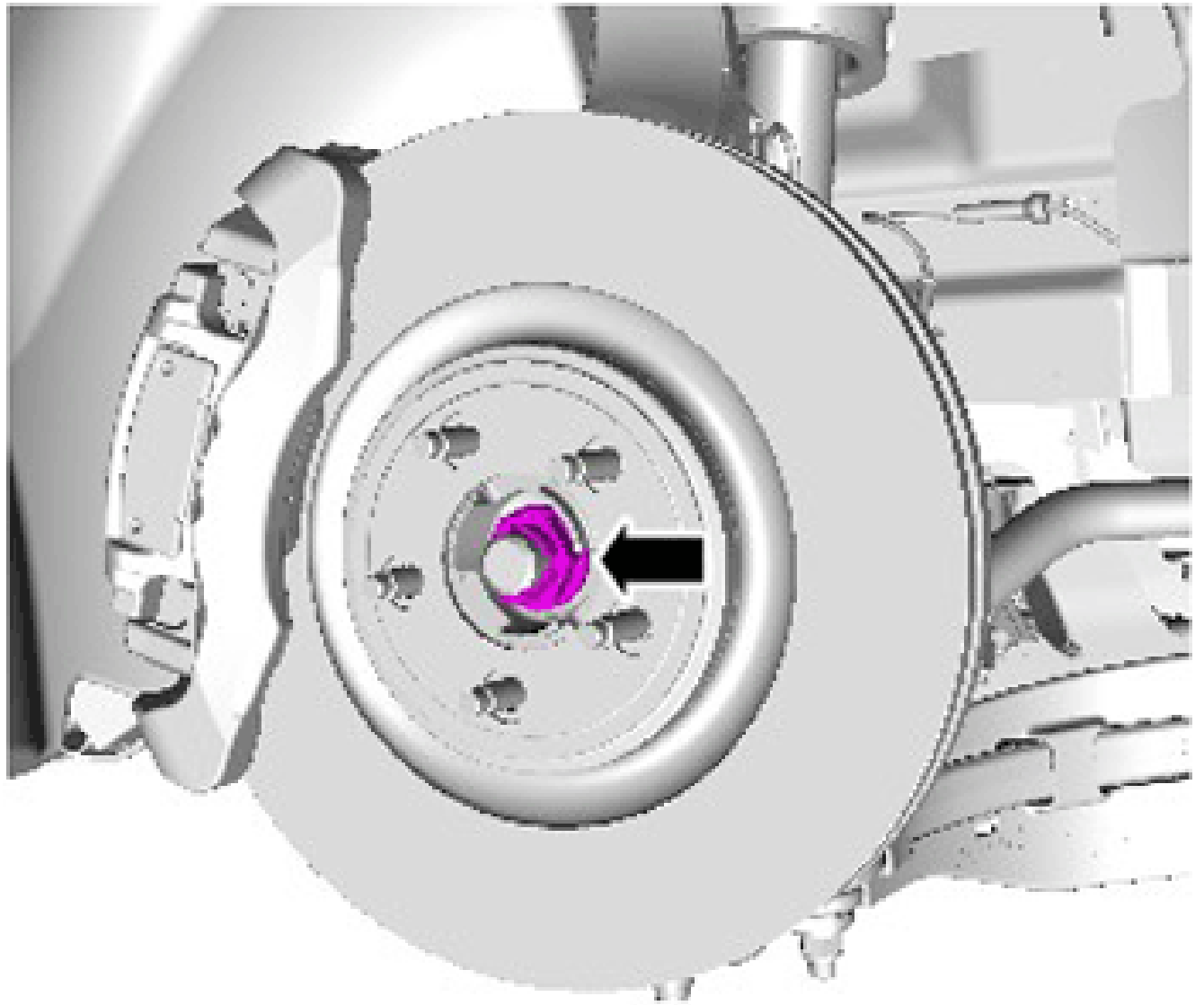


10.



11. **WARNING:** Make sure that a new nut is installed.

CAUTION: Do not use air tools to install the bolt. Failure to follow this instruction may result in damage to the component.



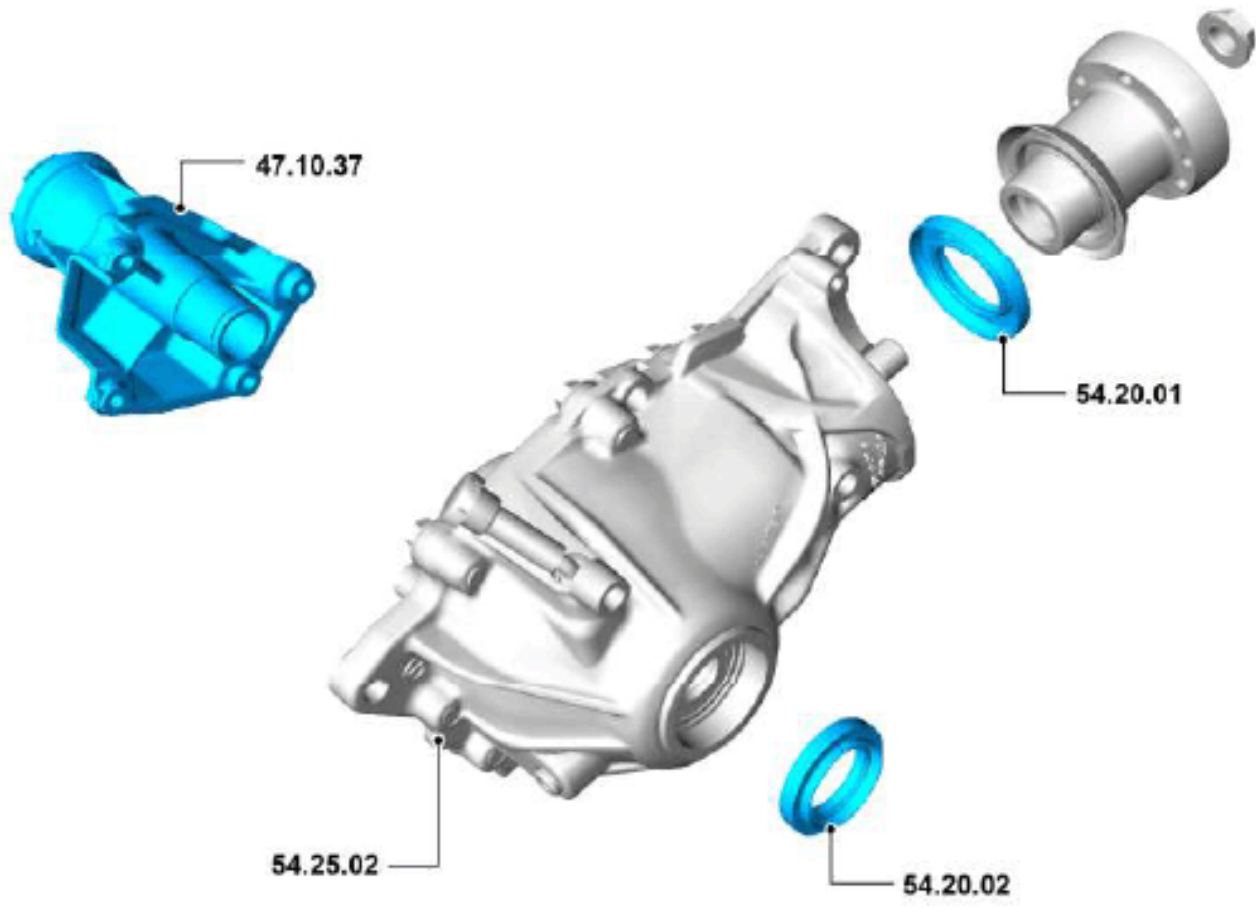
E151107

Torque Specification: 300 Nm

- 12. Refer to: [Wheel and Tire](#) (Removal and Installation).
- 13. Refer to: [Differential Draining and Filling](#) (General Procedures).

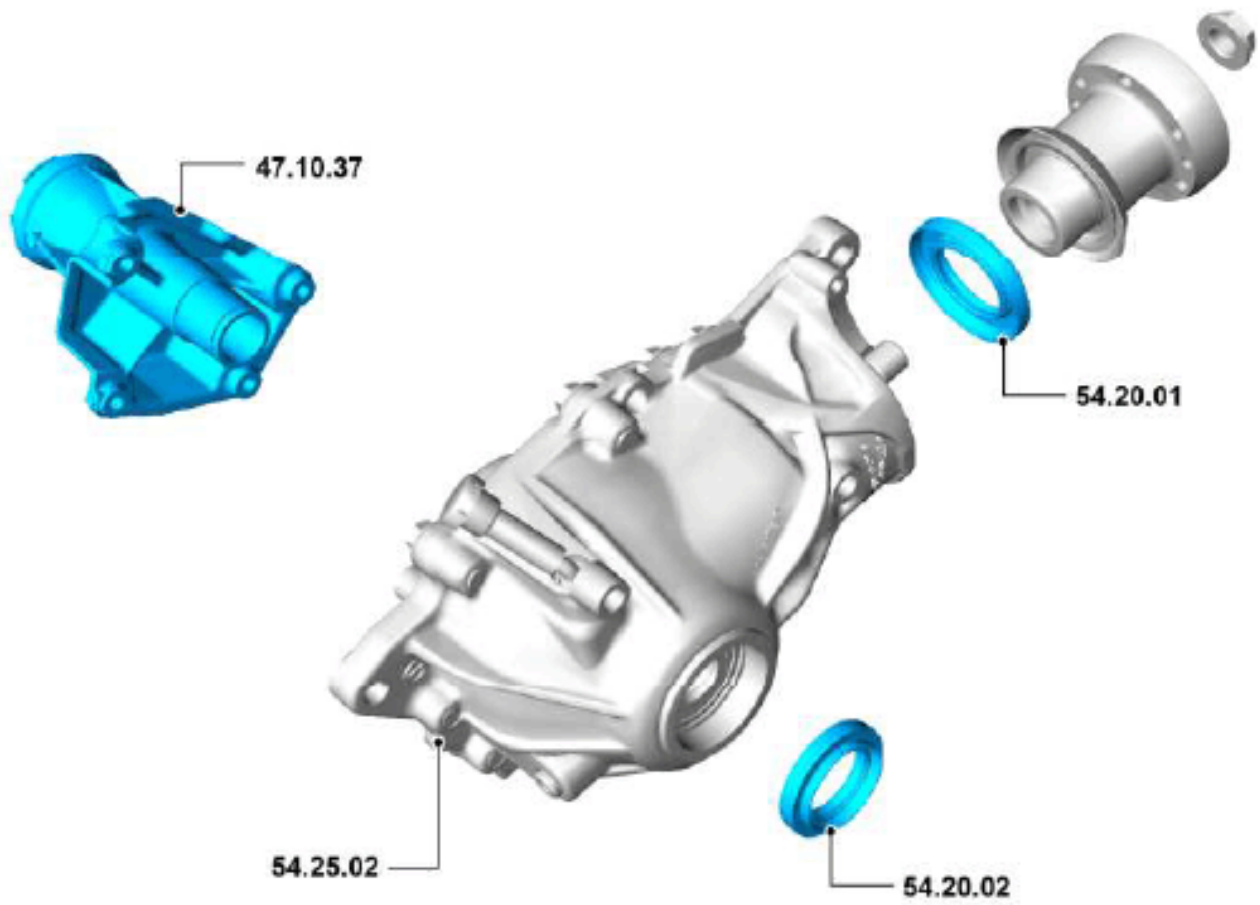
HALFSHAFT SEAL (G1822217)

54.20.02	FRONT OUTPUT SHAFT OIL SEAL - LEFT - RENEW	3000 CC, AJ V6 (AJ126), 4WD	0.7
----------	--	-----------------------------	-----



JRT1300A

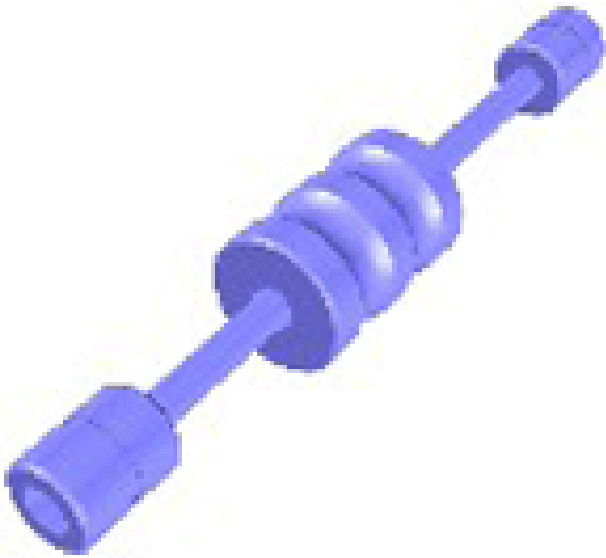
54.20.02	FRONT OUTPUT SHAFT OIL SEAL - LEFT - RENEW	5000 CC, AJ V8, 4WD	0.7
----------	--	---------------------	-----



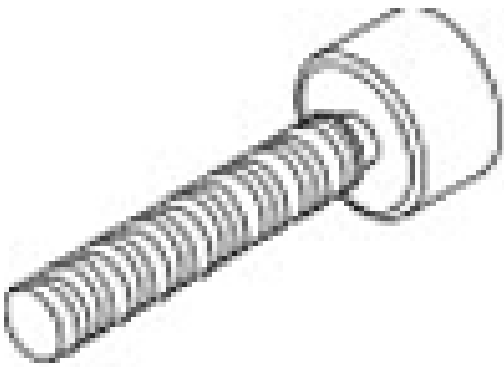
JRT1300A

SPECIAL TOOL(S)

100-012
Slide Hammer



E54135

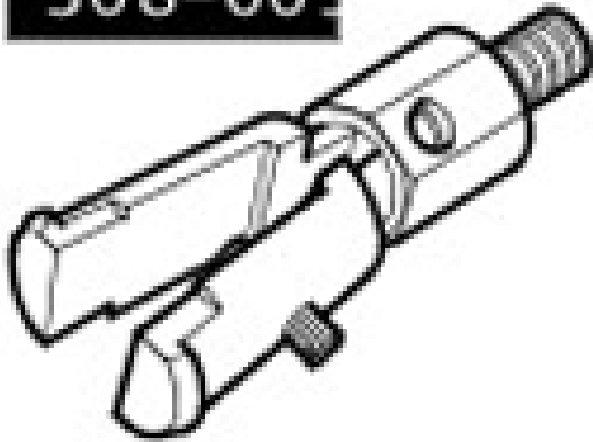


100-012-01

100-012-01
Slide Hammer Adapter

308-005
Remover, Axle oil seal

308-005



E54134

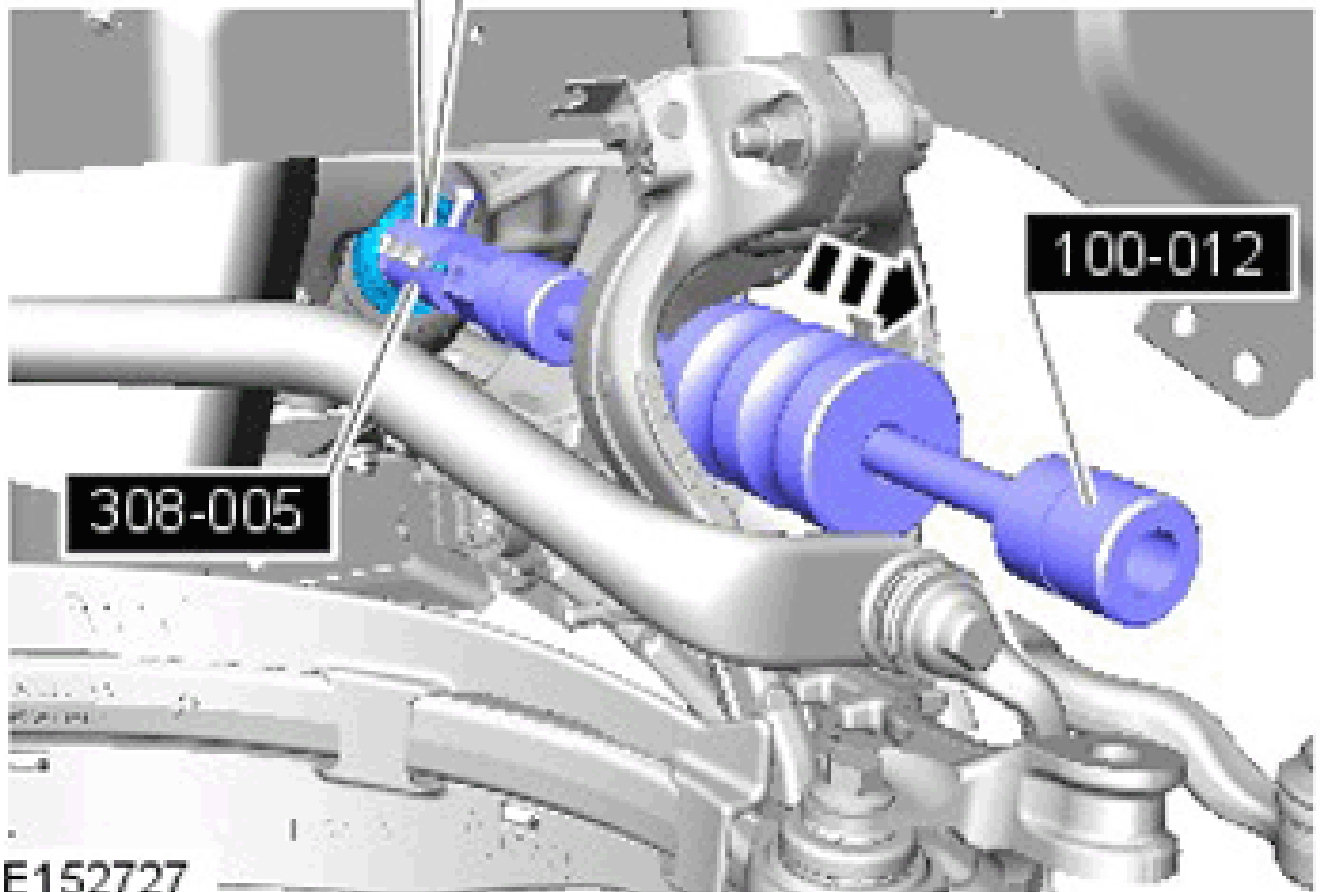
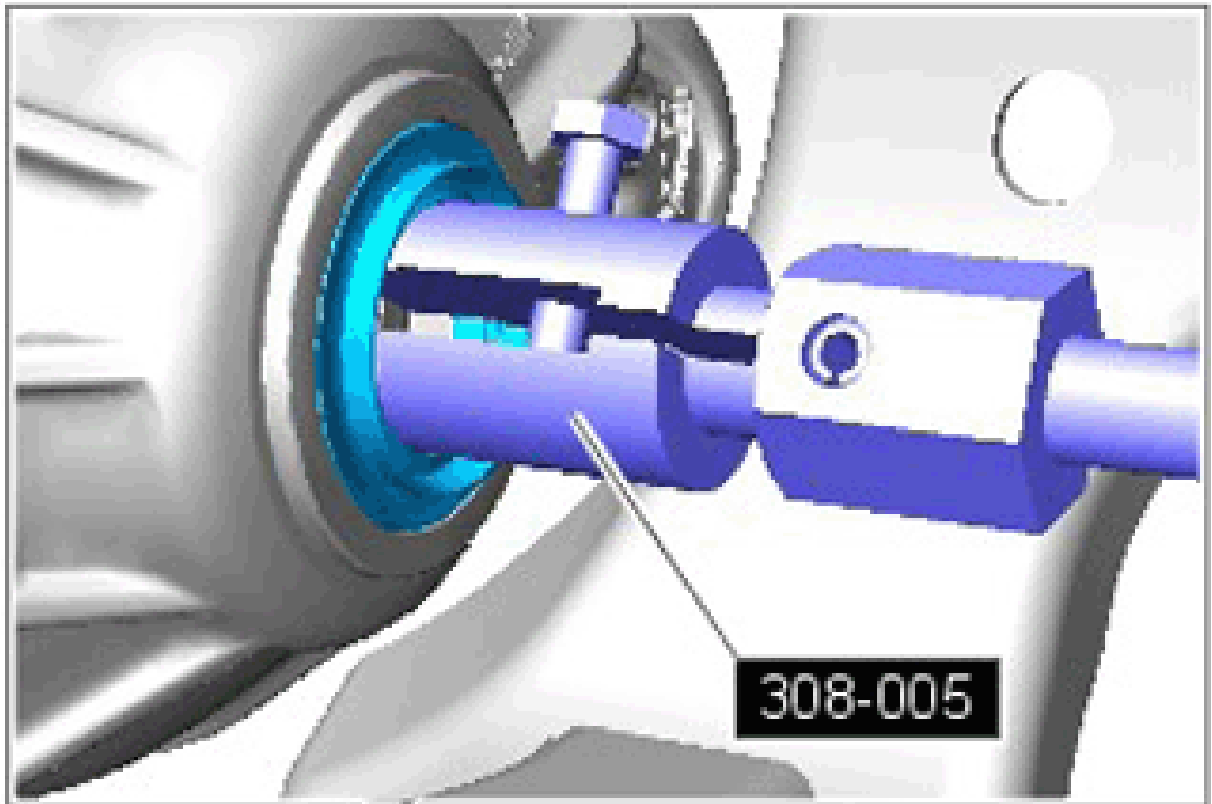
REMOVAL

NOTE:

- Some illustrations may show the final drive unit removed for clarity.
- Some variation in the illustrations may occur, but the essential information is always correct.

1. Refer to: [Front Halfshaft LH](#) (Removal and Installation).

2. **CAUTION:** Care must be taken to avoid damage to the seal register and running surface.



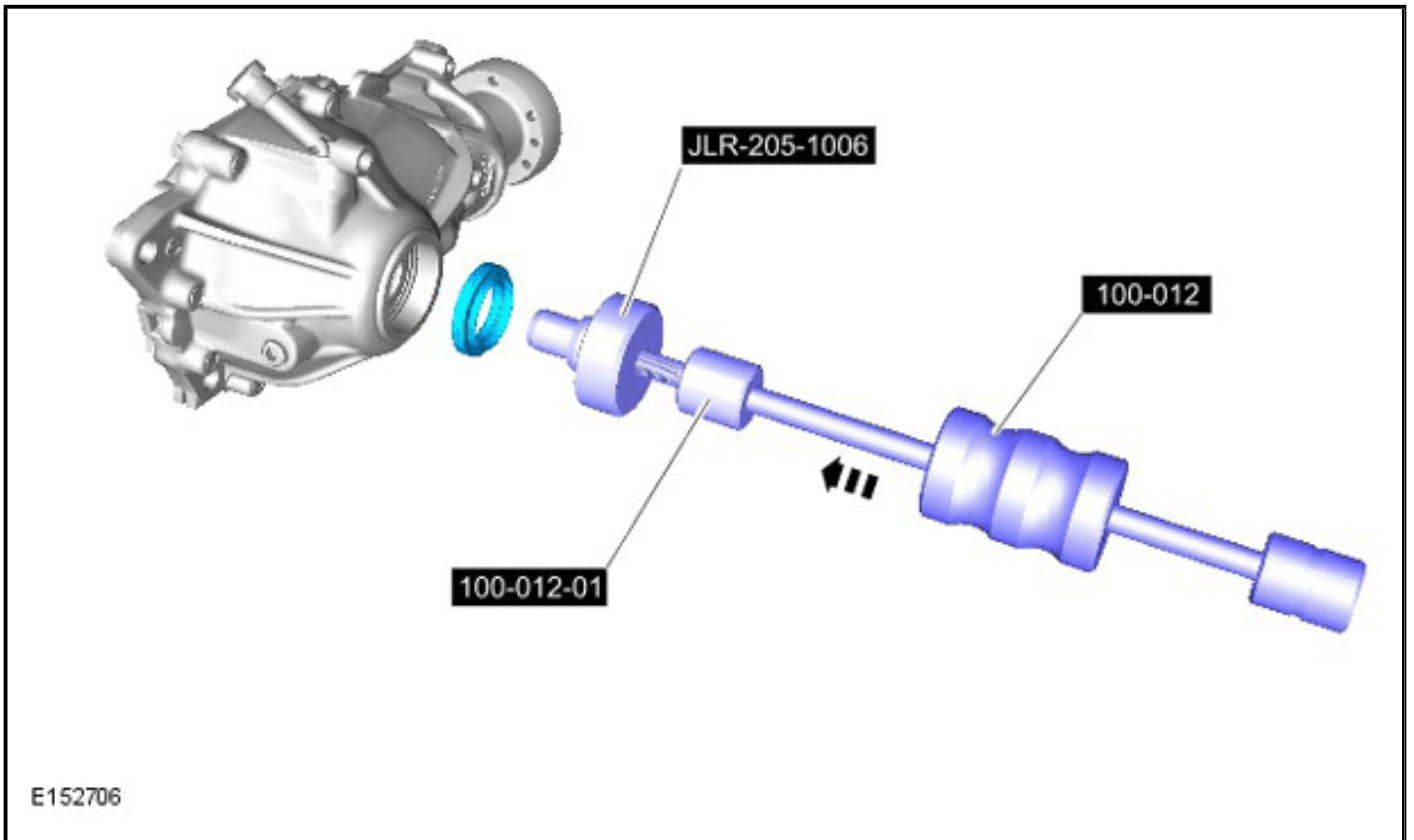
E152727

Using the special tools, remove and discard the halfshaft oil seal.

Special Tool(s): 100-012, 308-005

INSTALLATION

1. **CAUTION:** Oil seals must be fitted dry.



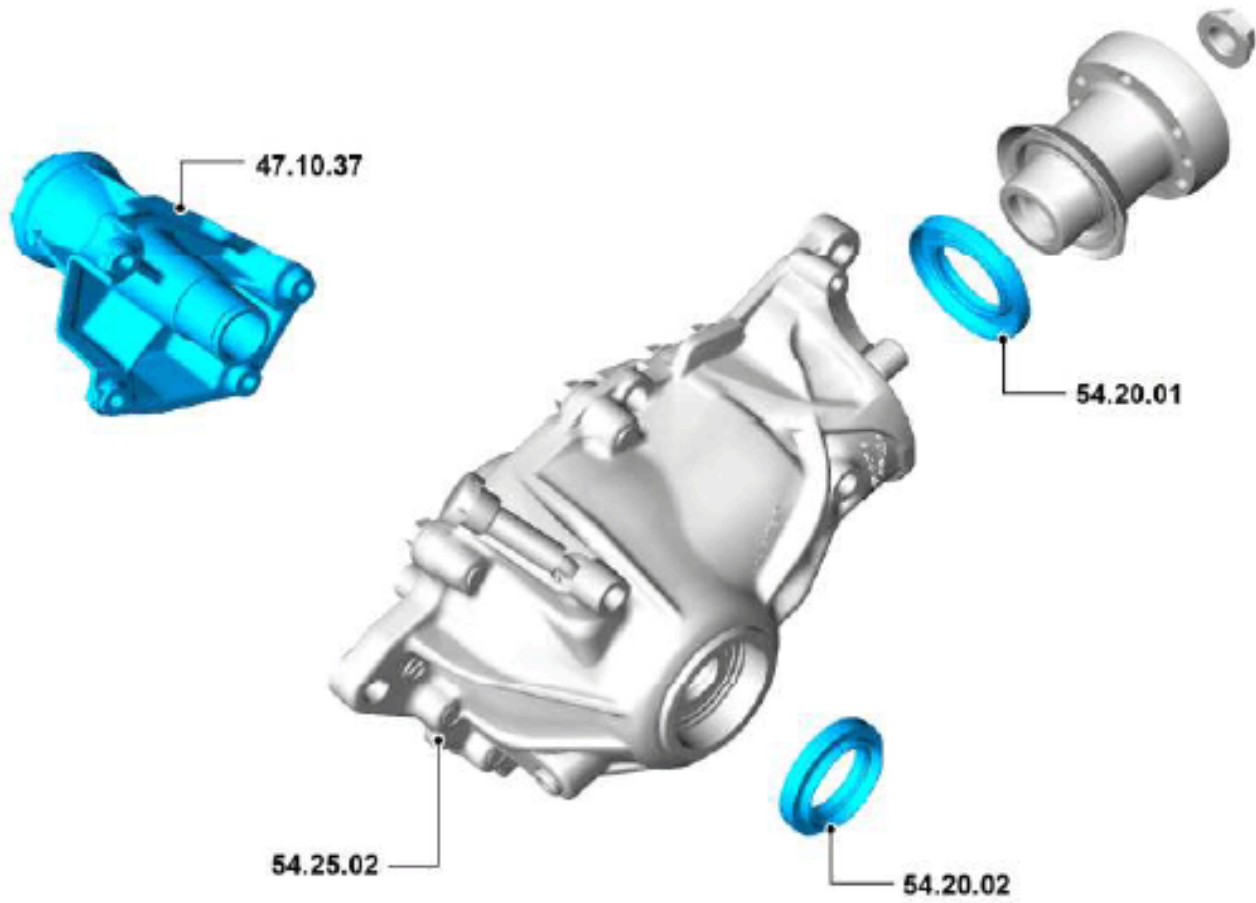
Using the special tools, install a new halfshaft oil seal.

Special Tool(s): 100-012, 100-012-01

2. Refer to: [Front Halfshaft LH](#) (Removal and Installation).

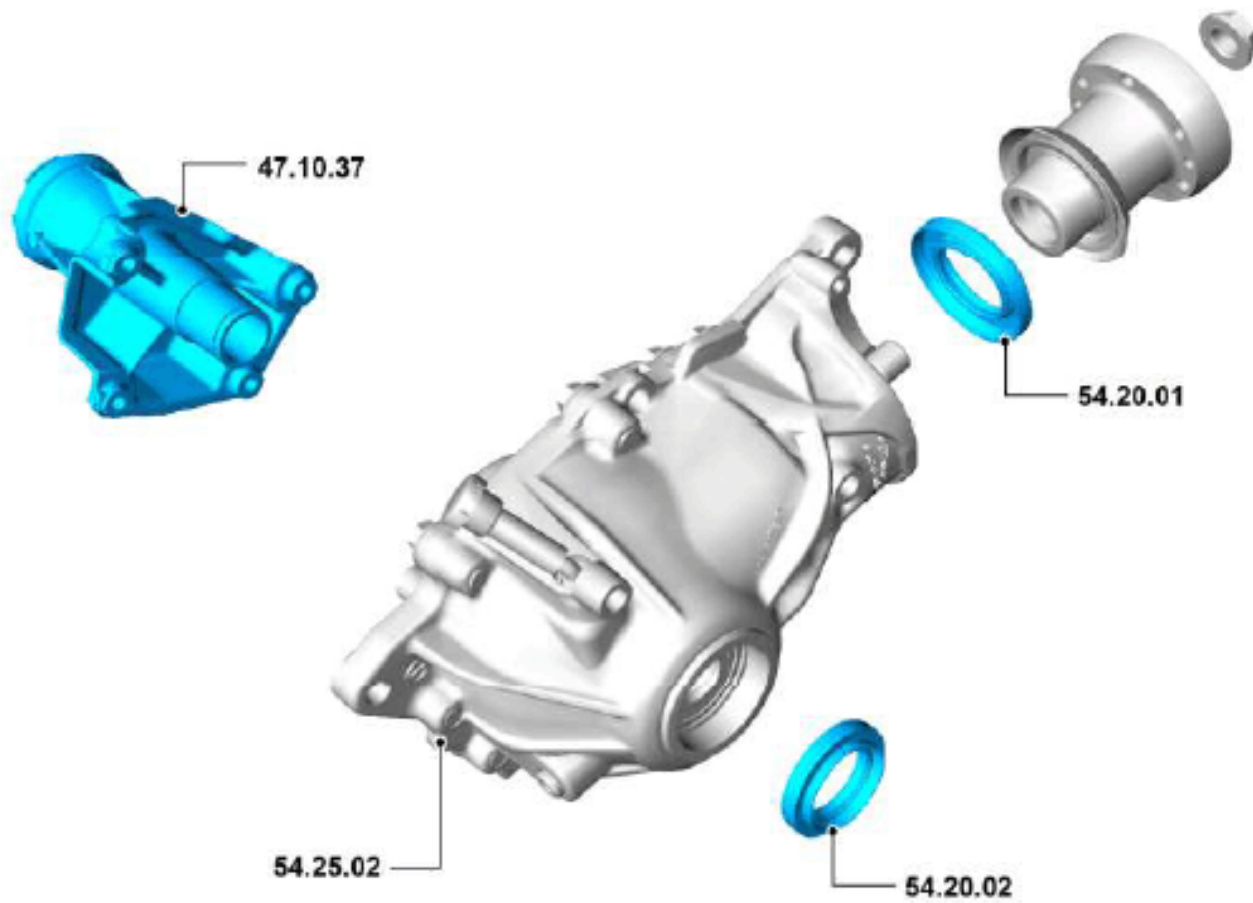
HALFSHAFT SUPPORT BRACKET (G1822218)

47.10.37	FRONT DRIVE SHAFT SUPPORT BEARING - RENEW	3000 CC, AJ V6 (AJ126), 4WD	1.9
----------	---	-----------------------------	-----



JRT1300A

47.10.37	FRONT DRIVE SHAFT SUPPORT BEARING - RENEW	5000 CC, AJ V8, 4WD	1.9
----------	---	---------------------	-----



JRT1300A

REMOVAL

NOTE: Removal steps in this procedure may contain installation details.

1. **WARNING:** Make sure to support the vehicle with axle stands.

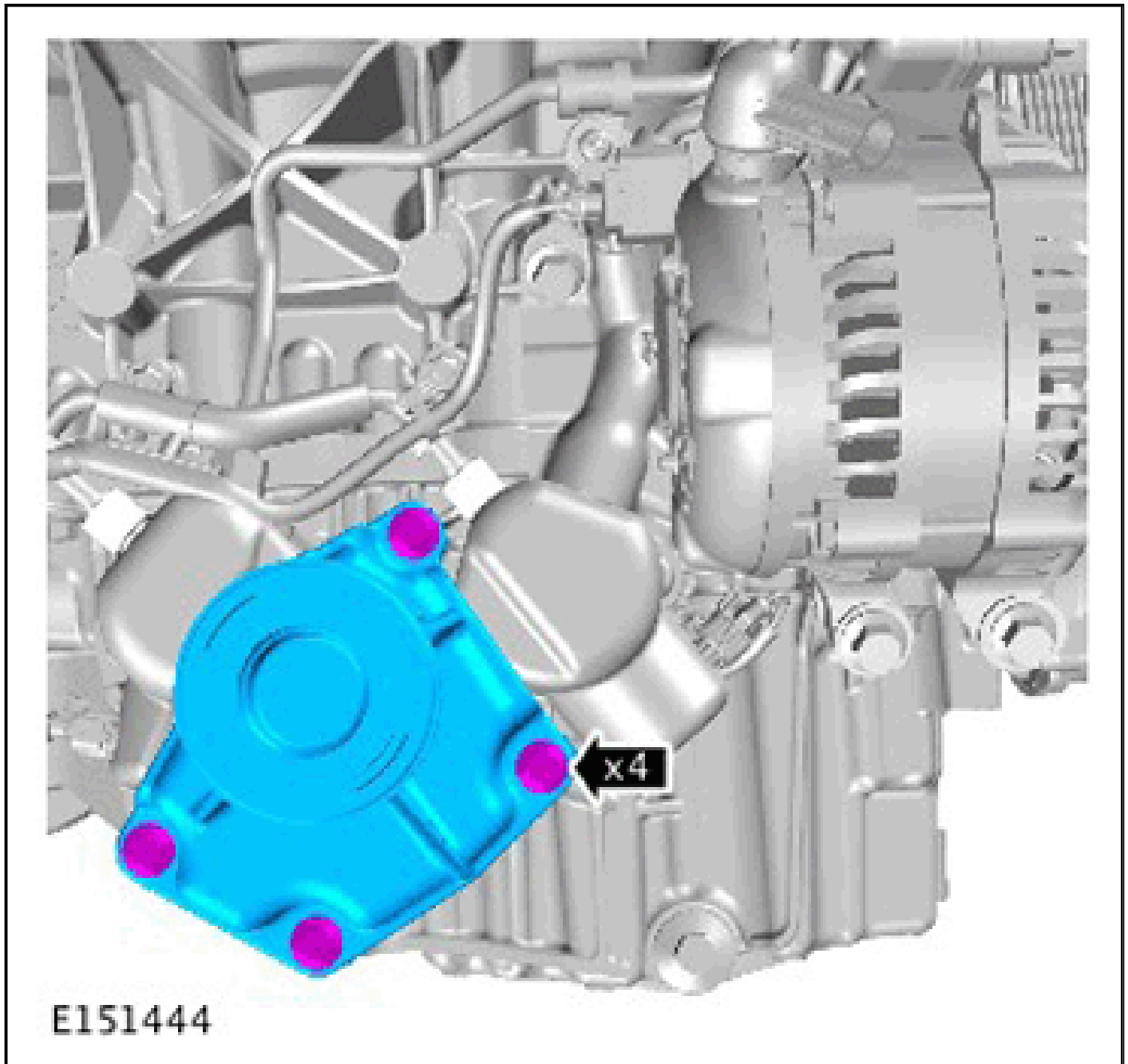
Raise and support the vehicle.

2. Refer to: [Front Halfshaft RH](#) (Removal and Installation).

3. Refer to: [Radiator Splash Shield](#) (Removal and Installation).
4. Refer to: [Air Deflector](#) (Removal and Installation).
5. **CAUTION:** A new O-ring seal is to be installed.

Torque Specification: 25 Nm

NOTE: Remove and discard the O-ring seal.



INSTALLATION

1. To install, reverse the removal procedure.

