

JTBO0588NAS1

**TECHNICAL BULLETIN**

13 OCT 2017



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NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

**INFORMATION****SECTION:**

204-01: Front Suspension

**SUBJECT/CONCERN:**

Creak Noise From Front Suspension

**AFFECTED VEHICLE RANGE:**

<b>MODEL:</b>	<b>MODEL YEAR:</b>	<b>VIN:</b>	<b>ASSEMBLY PLANT:</b>	<b>APPLICABILITY:</b>

<b>MODEL:</b>	<b>MODEL YEAR:</b>	<b>VIN:</b>	<b>ASSEMBLY PLANT:</b>	<b>APPLICABILITY:</b>
XJ Range (X351)	2016-2017	V95727-W06787	Castle Bromwich	Vehicles With: 8HP70 8-Speed Automatic Transmission RWD/8HP45 8-Speed Automatic Transmission RWD

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**MARKETS:**

NORTH AMERICA

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**CONDITION SUMMARY:**
**SITUATION:**

A creak noise from the front of the vehicle may be evident when driving over a rough road surface or speed bump.

**CAUSE:**

This may be caused by incorrect coil spring manufacture.

**ACTION:**

Should the customer express this concern, follow the Workshop Procedure below.

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**PARTS:**

<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>QUANTITY:</b>
C2D27198	Front coil spring - V6 3.0L S/C Petrol Rear Wheel Drive (RWD); from V39427	2
C2D27199	Front coil spring - V8 5.0L S/C Petrol; from V39427	2
C2D32158	Front coil spring - XJ-R	2
C2D16903	Front coil spring isolator	2
C2P5886	Bolt	2

PART NUMBER	DESCRIPTION	QUANTITY:
C2D1981	Nut	2
C2D2476	Nut	2
C2D3039	Nut	8
XR826831	Nut	2
XR848057	Nut	2

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**TOOLS:**

Refer to Workshop Manual for any required special tools.

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**WARRANTY:**
**NOTES:**

- Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to TOPIx to obtain the latest repair time.
- The JLR Claims Submission System requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Front coil spring - Vehicle set - Renew	60.20.02	0.8	D4	C2D11402

**NOTE:**

Normal Warranty procedures apply.

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**SERVICE INFORMATION:**

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- 1 Verify the cause of any suspension noises before completing the Workshop Procedure in this Technical Bulletin (see TOPIx Workshop Manual section 204-00: Suspension system - General information - Diagnosis and testing - Suspension system).

**WORKSHOP PROCEDURE:**

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**WARNING:**

The final tightening of the suspension components must be completed with the vehicle on its wheels.

**NOTES:**

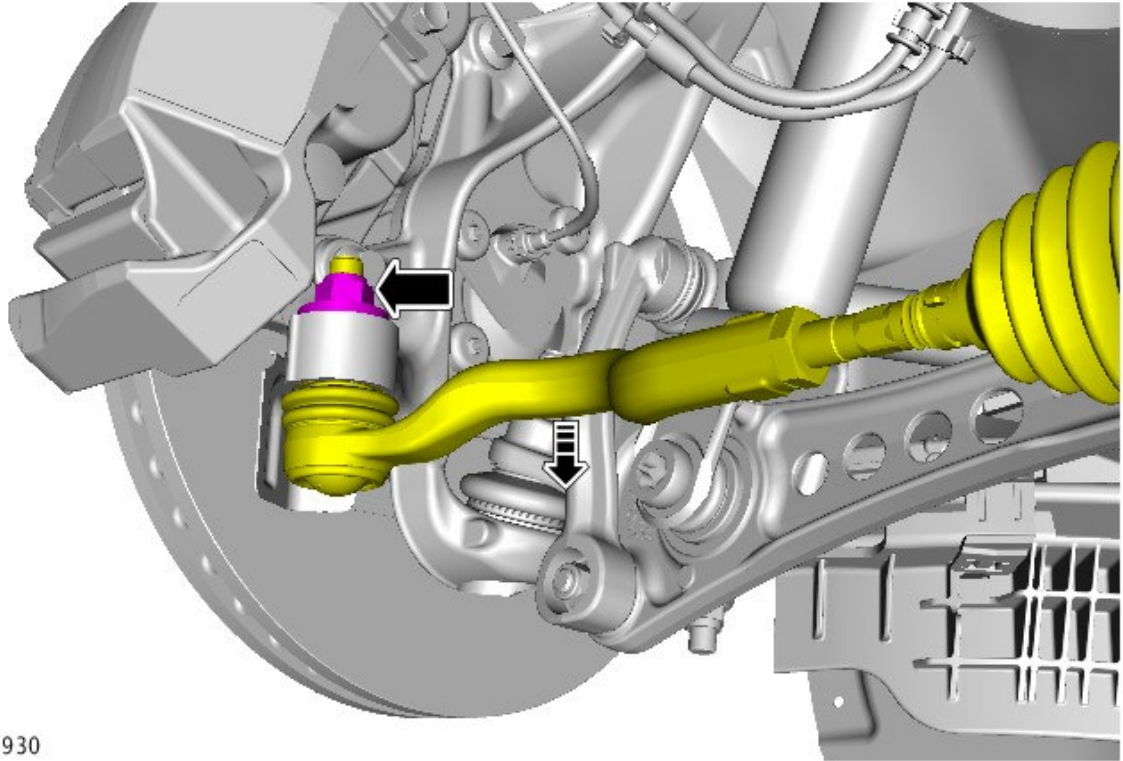
- Some variation in the illustrations may occur, but the essential information is always correct.
- Removal steps in this procedure may contain installation details.
- Left shown; right similar.
- Some items maybe shown removed for clarity.

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- 1 Remove the front left wheel and tire (see TOPIx Workshop Manual section 204-04: Wheels and tires - Removal and installation).

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**CAUTIONS:**

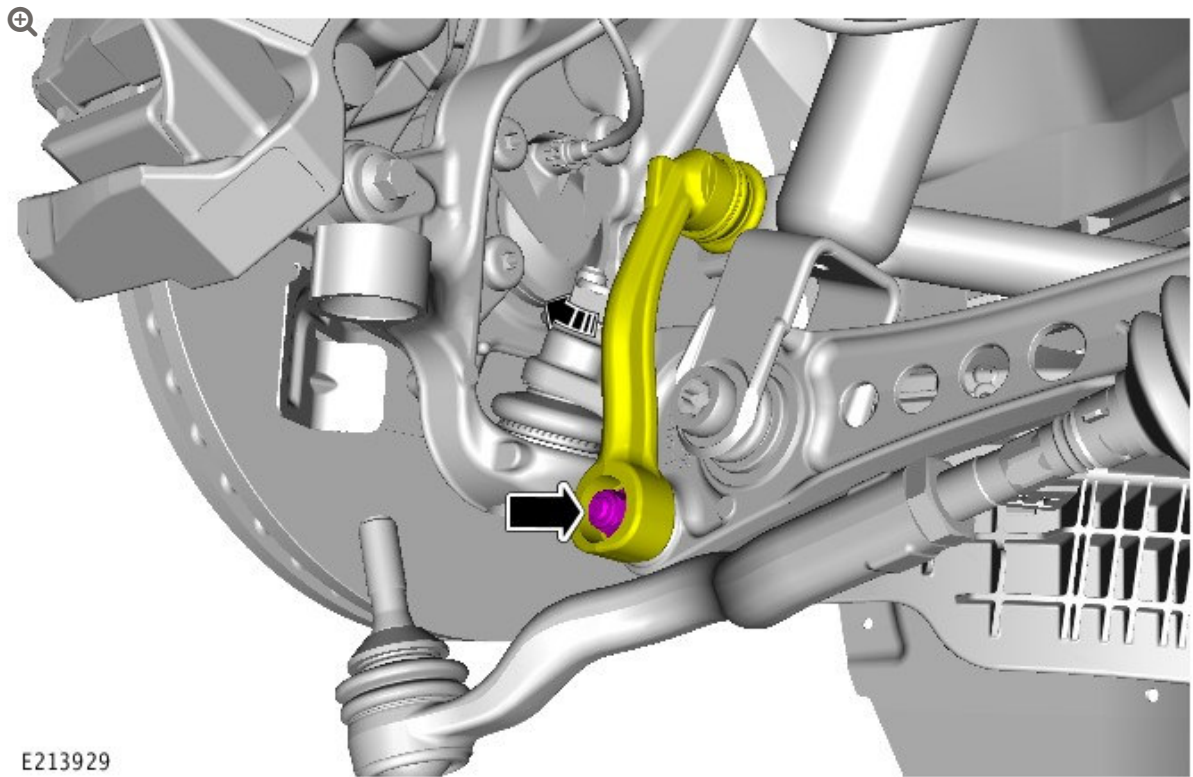
- Care must be taken not to damage the component.
- To prevent damage to the tie-rods, use an additional wrench when loosening or tightening the components.



E213930

Remove and discard the tie-rod end retaining nut.

- Torque: **133 Nm.**

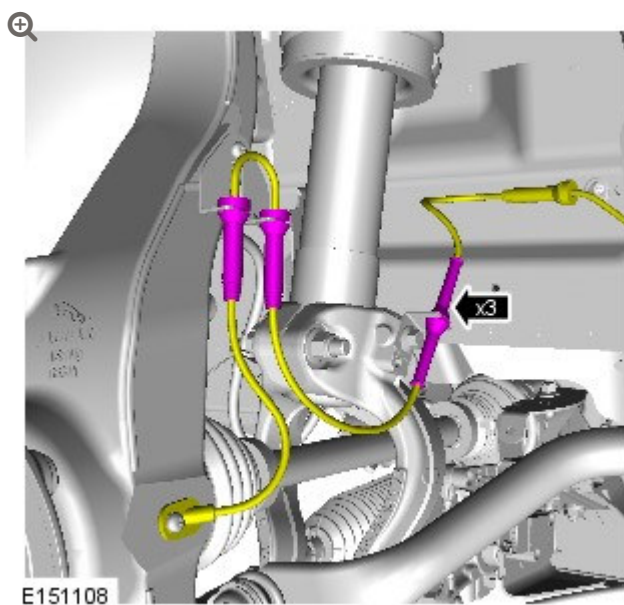


E213929

Remove and discard the front stabilizer bar link retaining nut.

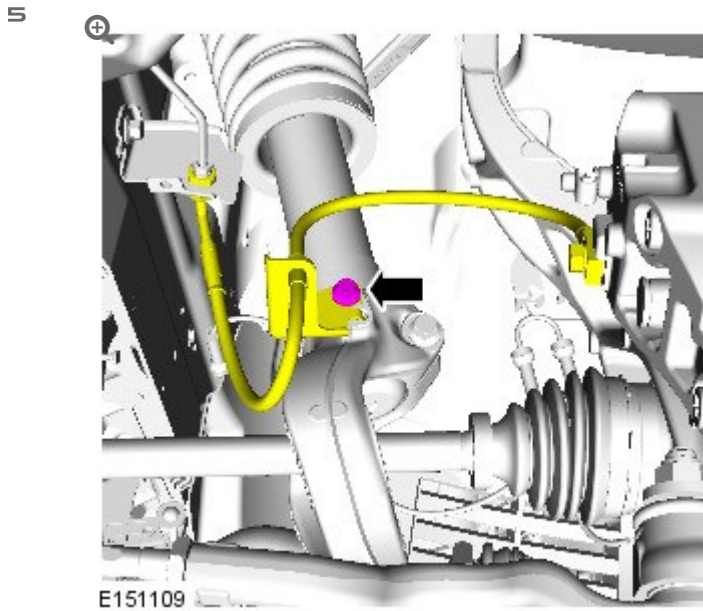
- Position the front stabilizer bar link to one side.
- Torque: **43 Nm**.

4



E151108

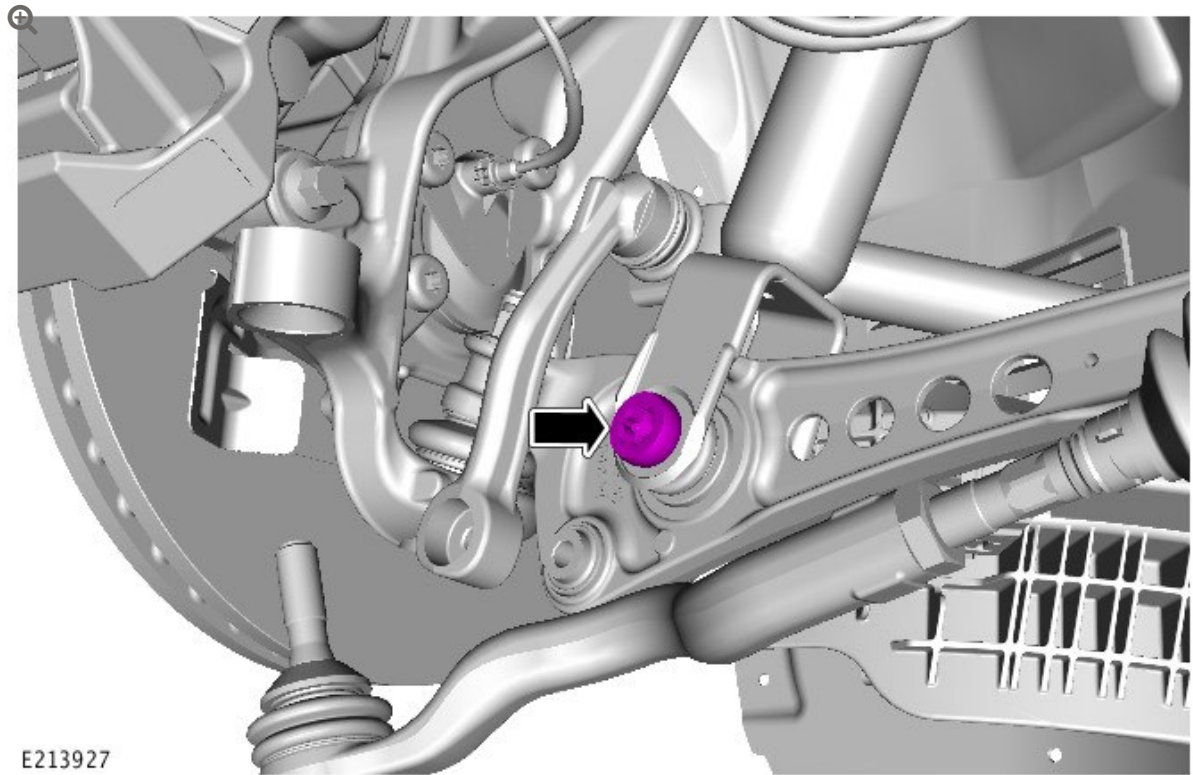
Position the sensor harness to the side.



Remove the bolt.

- Torque: **20 Nm.**

6



Remove and discard the shock absorber lower retaining bolt.

- Torque: **175 Nm.**

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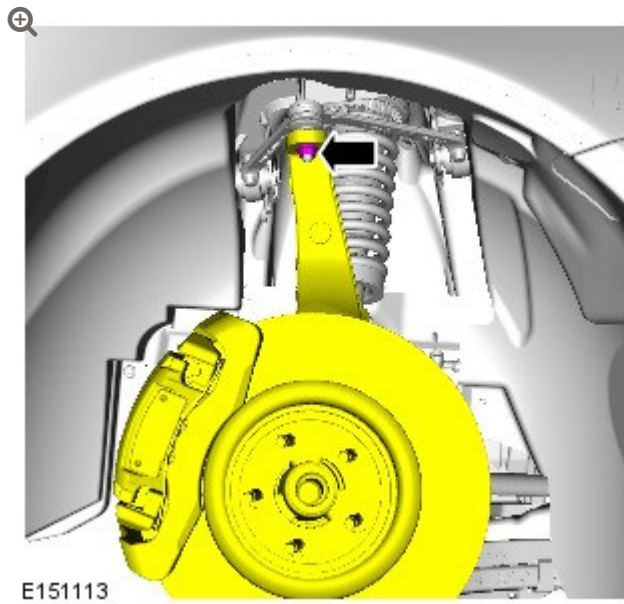
**WARNING:**

Use a jack to support the wheel hub and lower control arm.

**CAUTIONS:**

- Make sure that no load is placed on the brake hose.
- Discard the retaining nut.





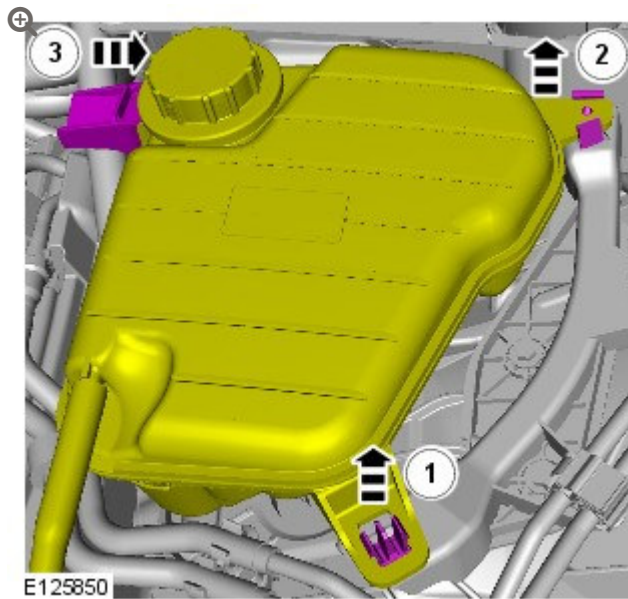
Remove the wheel knuckle retaining nut.

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**NOTE:**

Left only.

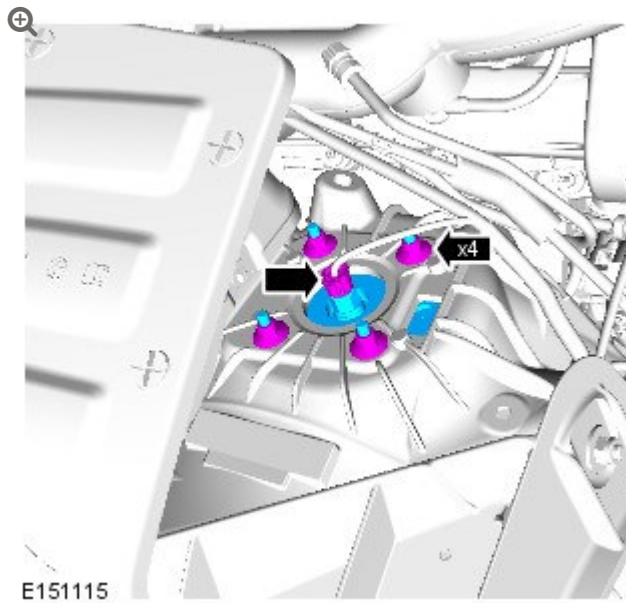


Release the coolant expansion tank.

9

**NOTE:**

If equipped, disconnect the electrical connector before removing the 4 bolts.

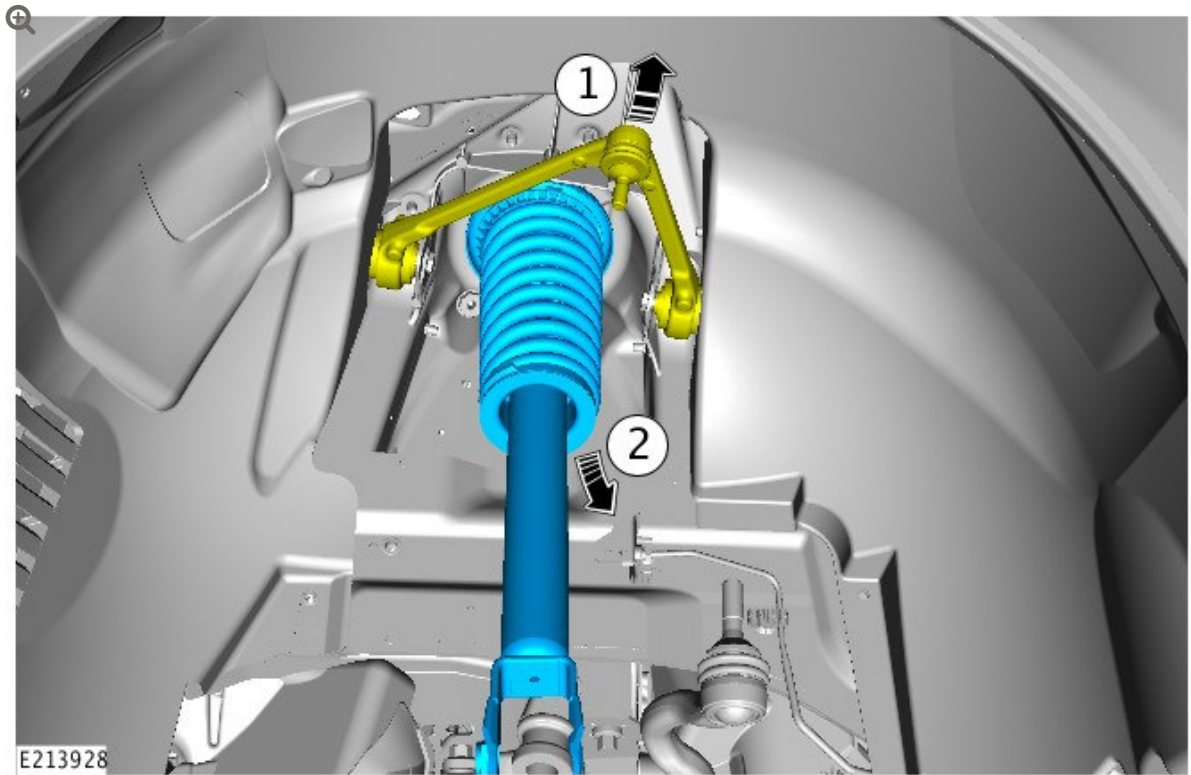


Remove and discard the 4 shock absorber retaining nuts.

10

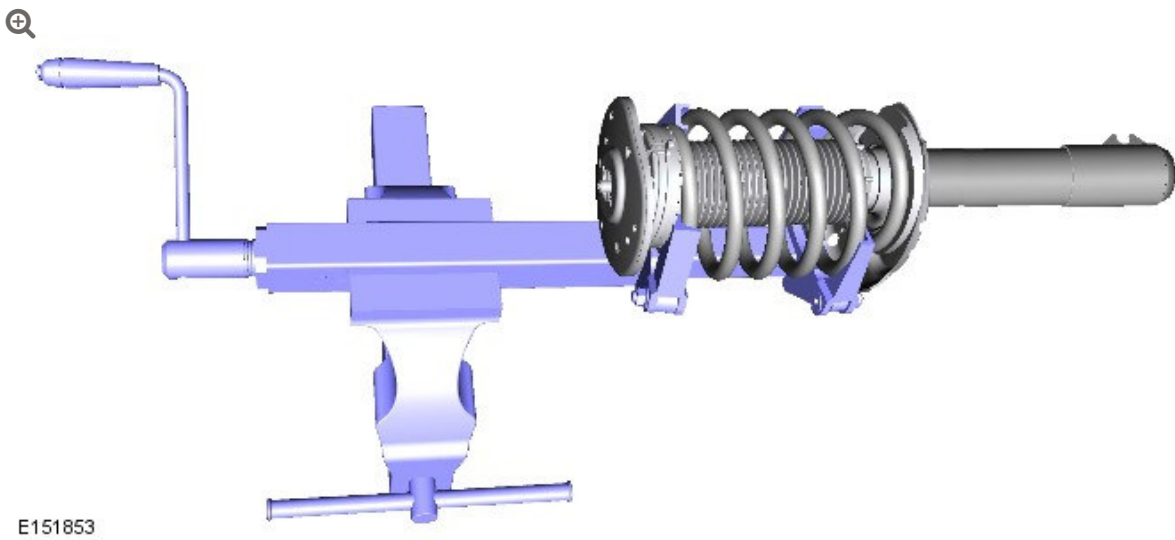
**WARNING:**

Make sure to support the shock absorber and spring assembly.



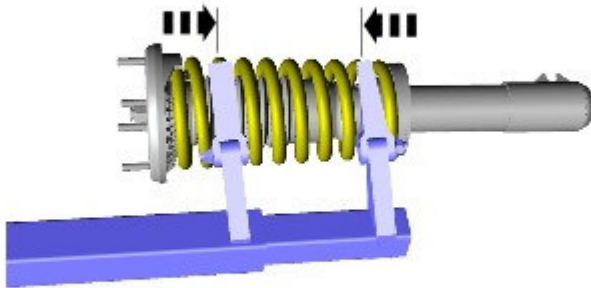
Remove the shock absorber and spring assembly.

11



Install the shock absorber and spring assembly in the spring compressor.

12



E151855

Compress the spring.

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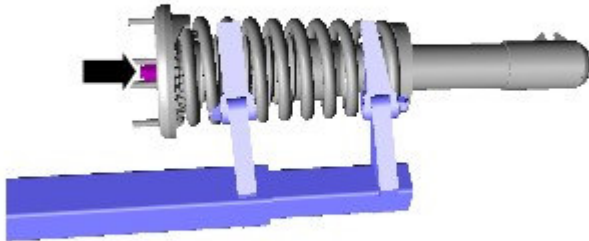
13

**CAUTION:**

Mark the components to aid installation.

**NOTE:**

Note the installed position of the component/s prior to removal.

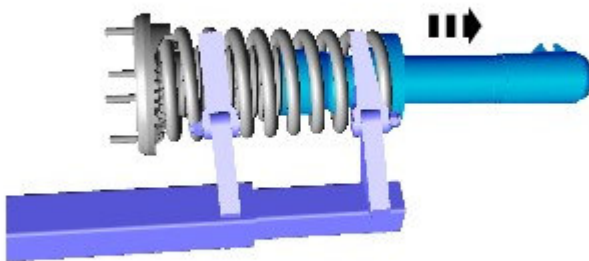


E151854

Remove and discard the retaining nut.

- Release the tension on the coil spring.
- Torque: **27 Nm**.

14



E 151856

Remove the shock absorber.

15 Remove the coil spring assembly from the spring compressor.

16

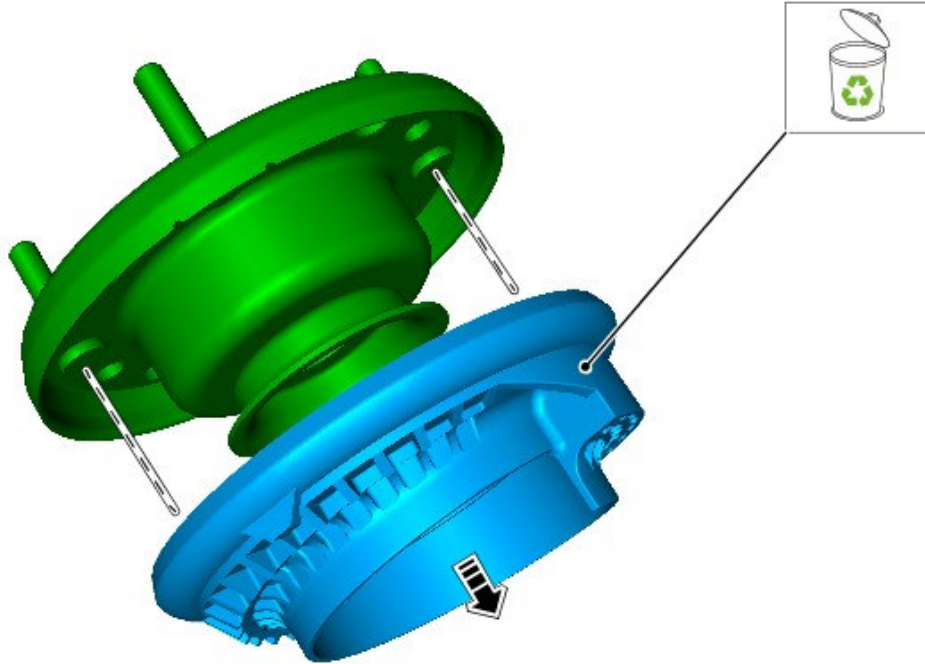


E213878

Remove the top mounting assembly from the coil spring assembly.

- Discard the coil spring and packer.

17



E213879

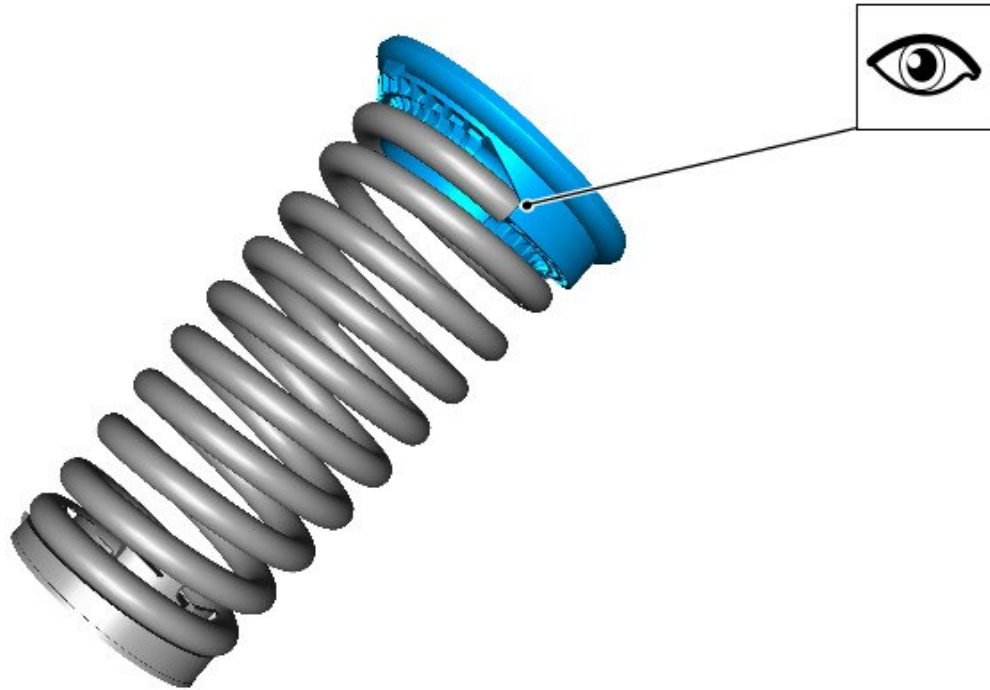
Remove and discard the coil spring isolator.

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**CAUTION:**

Make sure the coil spring isolator is located correctly.



E213880

Install the new coil spring isolator to the coil spring and packer assembly.

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- 19 To install, reverse the removal procedure.
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- 20 Replace the front right suspension coil spring.
- 1 Repeat steps 1-17 for the front right suspension.