

# Your Ultimate Source for OEM Repair Manuals

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## 2015 FORD Focus Sedan OEM Service and Repair Workshop Manual

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## Spring - Raptor

<b>204-02 Rear Suspension</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 08/6/2021</b>

### Spring - Raptor

#### 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. Remove the wheel and tire.

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

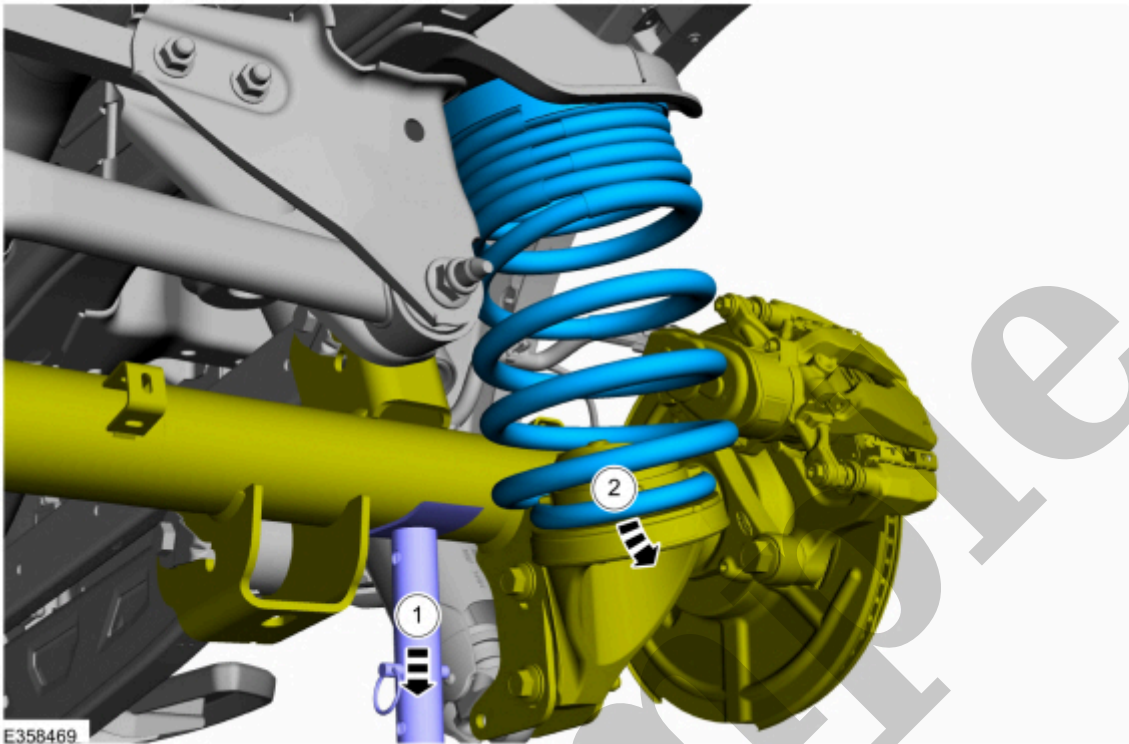
2. Support the rear axle assembly.

Use the General Equipment: Vehicle/Axle Stands

4. 1. Lower the rear axle to release the spring compression.

Use the General Equipment: Vehicle/Axle Stands

2. Remove the spring assembly.

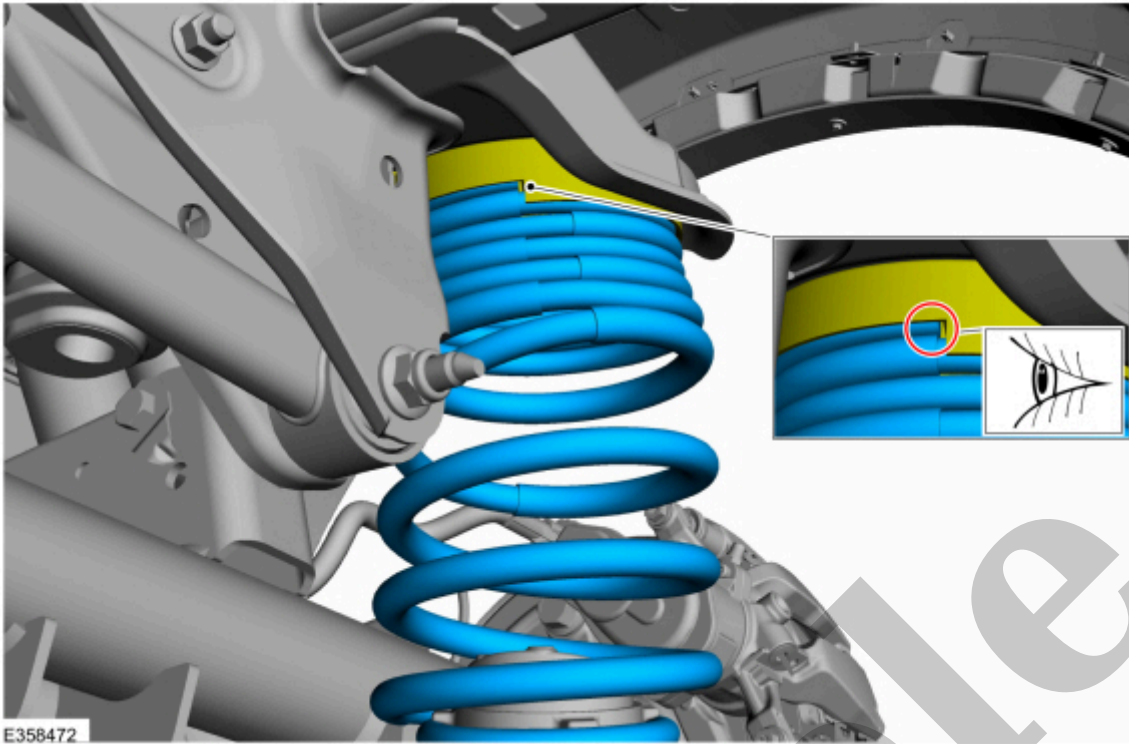


[Click here to learn about symbols, color coding, and icons used in this manual.](#)

### Installation

1. Visual check.

Check the upper spring seat for damage. Replace as necessary.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

### 3. NOTICE

Make sure that the insulator pads are correctly positioned to prevent direct contact with other components.

1. Install the rear spring assembly.
2. Raise the axle stand and position the rear axle.

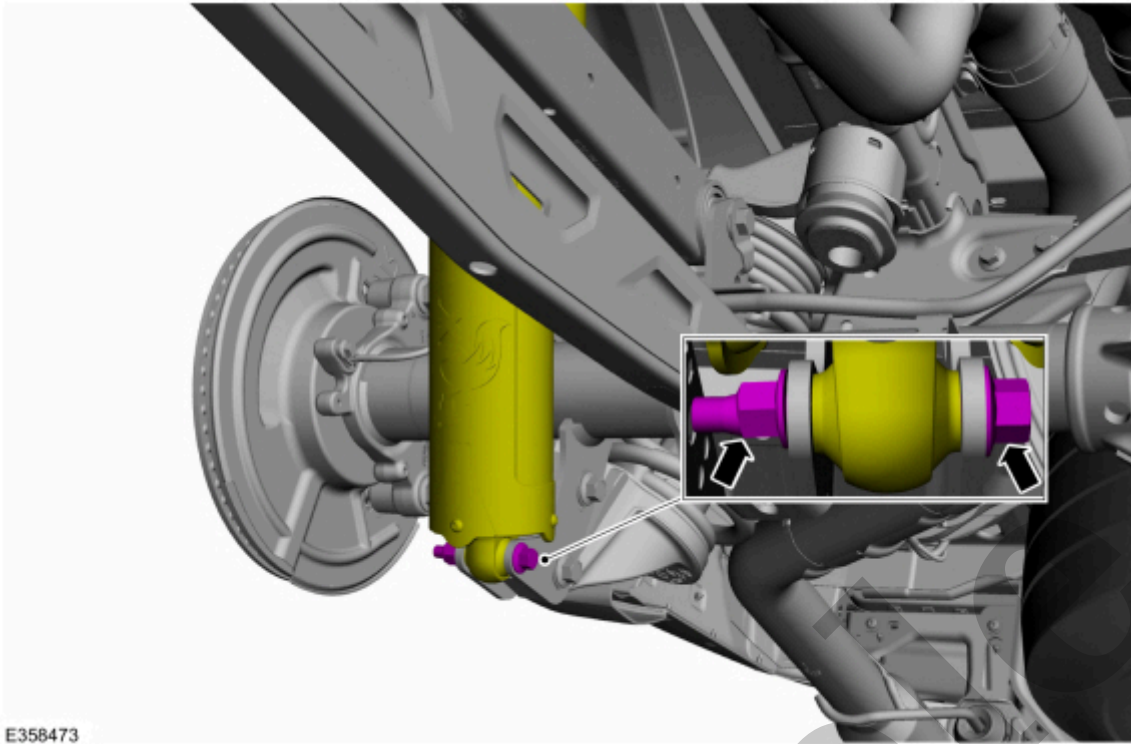
Use the General Equipment: Vehicle/Axle Stands

### 3. NOTE

Make sure that the spring is correctly located in the lower spring seat.

Visual check.

Align the spring in the lower spring seat.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

5. Install the wheel and tire.

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

6. Lower the vehicle until the weight of the vehicle is resting on the wheels and tires (curb height).

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Refer to: [Fuel Tank](#)(310-01A Fuel Tank and Lines - 2.7L EcoBoost (238kW/324PS), Removal and Installation).

Refer to: [Fuel Tank](#)(310-01B Fuel Tank and Lines - 3.3L Duratec-V6, Removal and Installation).

Refer to: [Fuel Tank](#)(310-01C Fuel Tank and Lines - 3.5L EcoBoost (BM), Removal and Installation).

Refer to: [Fuel Tank](#)(310-01E Fuel Tank and Lines - 5.0L 32V Ti-VCT, Removal and Installation).

Refer to: [Fuel Tank](#)(310-01D Fuel Tank and Lines - 3.5L V6 PowerBoost (CN), Removal and Installation).

## 2. For the RH (right-hand) spring.

Remove the muffler to gain access to the spring-to-frame bolt.

Refer to: [Muffler and Tailpipe](#)(309-00A Exhaust System - 2.7L EcoBoost (238kW/324PS), Removal and Installation).

Refer to: [Muffler and Tailpipe](#)(309-00B Exhaust System - 3.3L Duratec-V6, Removal and Installation).

Refer to: [Muffler and Tailpipe](#)(309-00E Exhaust System - 5.0L 32V Ti-VCT, Removal and Installation).

Refer to: [Muffler and Tailpipe](#)(309-00C Exhaust System - 3.5L EcoBoost (BM), Removal and Installation).

Refer to: [Muffler Inlet Pipe](#)(309-00D Exhaust System - 3.5L V6 PowerBoost (CN), Removal and Installation).

Refer to: [Muffler - Tremor](#)(309-00C Exhaust System - 3.5L EcoBoost (BM), Removal and Installation).

## 3. Remove the wheel and tire.

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

## 4. Support the rear axle assembly.

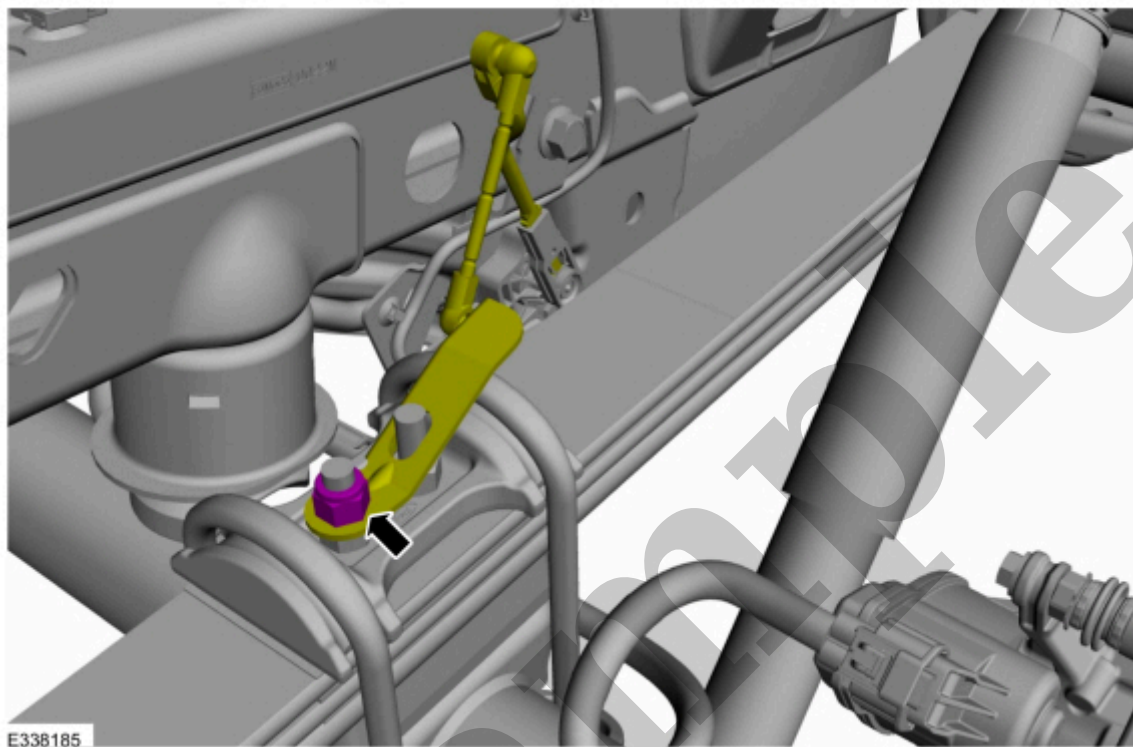
Use the General Equipment: Vehicle/Axle Stands

6. **NOTE**

Note the position of the components before removal.

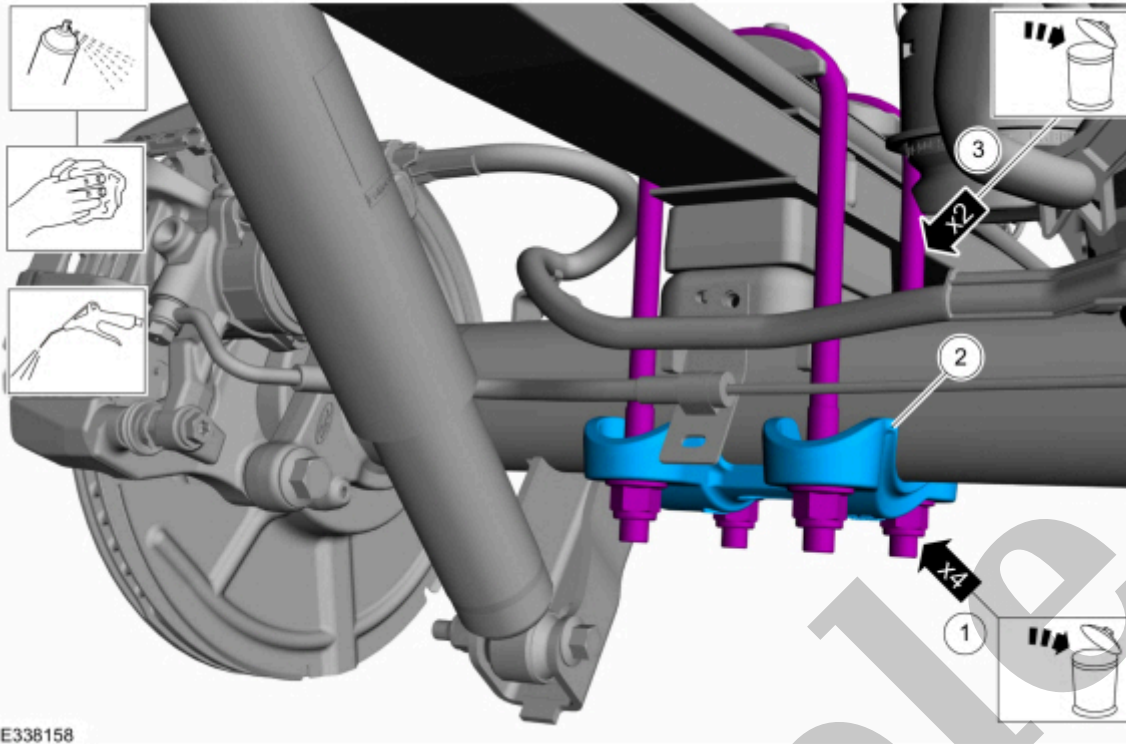
If equipped.

Remove the nut and detach the height sensor arm from the leaf spring U-bolt and position aside.



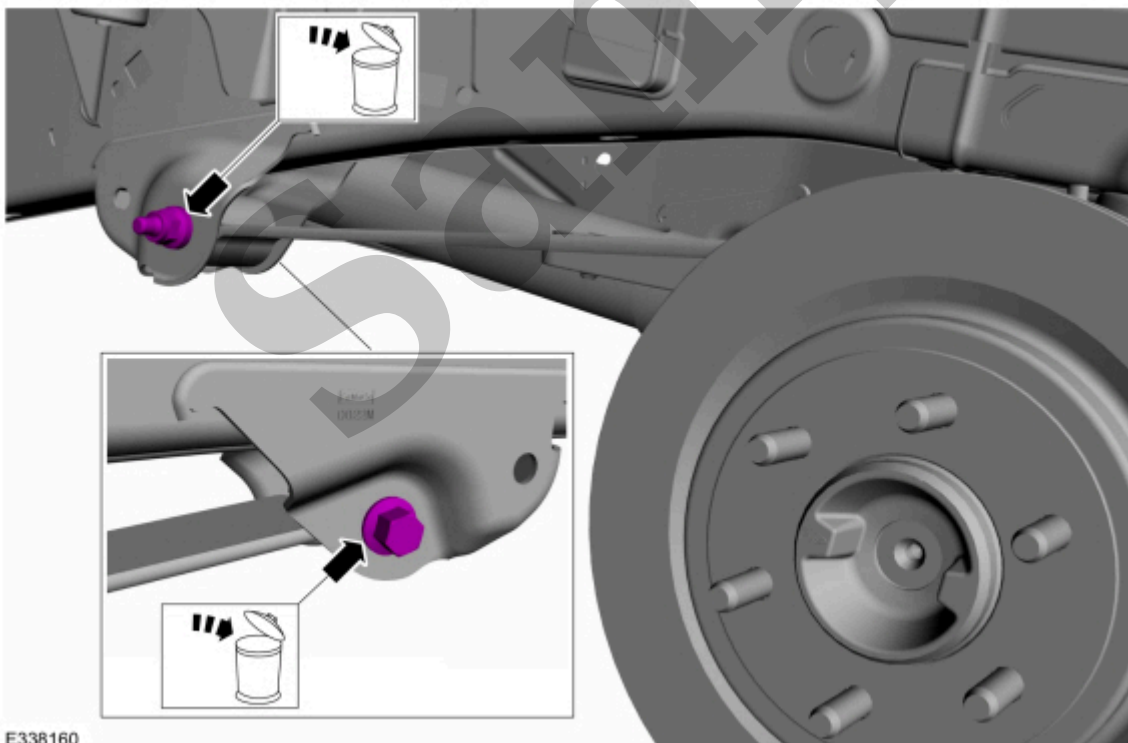
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

7. Remove and discard the rear shock absorber lower nut and bolt.



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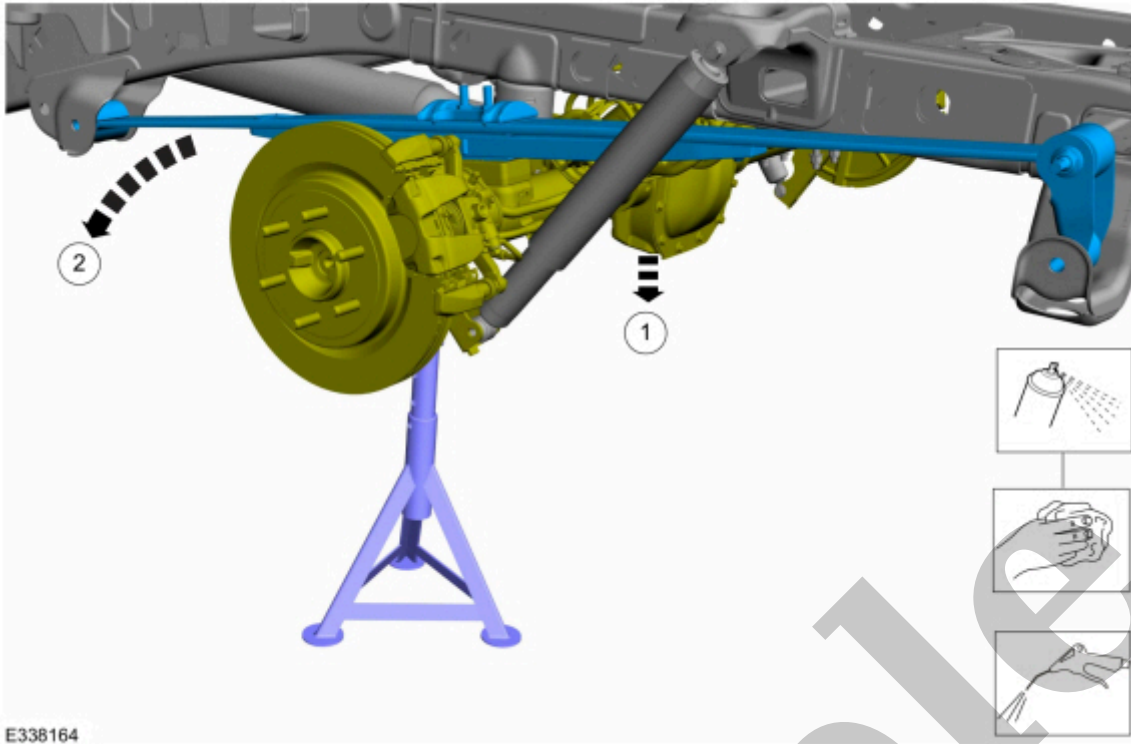
9. Remove and discard the spring-to-frame nut and bolt.



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10. Remove and discard the spring shackle-to-frame nut and bolt.





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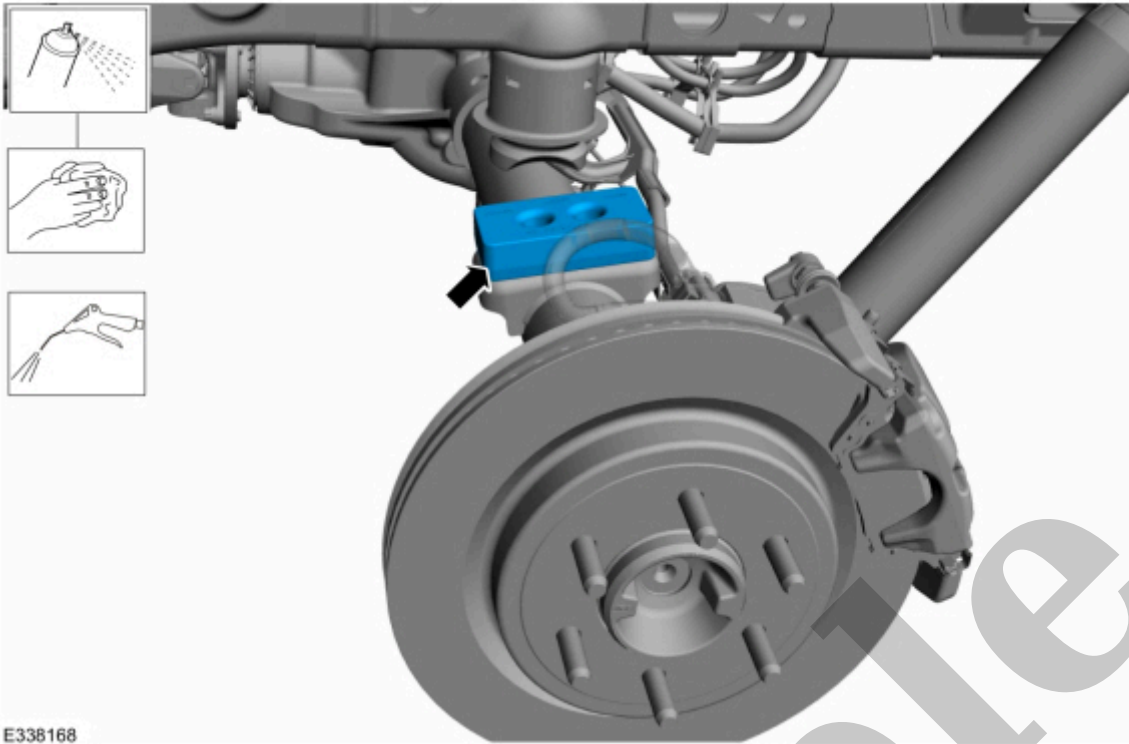
## 12. NOTICE

Make sure that the mating faces are clean and free of corrosion and foreign material.

If necessary,

Remove and discard the spring-to-shackle bolt and nut and remove the spring shackle.

**Material** : Motorcraft® Metal Brake Parts Cleaner / PM-4-A, PM-4-B



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## Tremor

### 14. NOTICE

Make sure that the mating faces are clean and free of corrosion and foreign material.

Remove the spring spacer.

**Material** : Motorcraft® Metal Brake Parts Cleaner / PM-4-A, PM-4-B