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2006 FORD Focus 4 Doors OEM Service and Repair Workshop Manual

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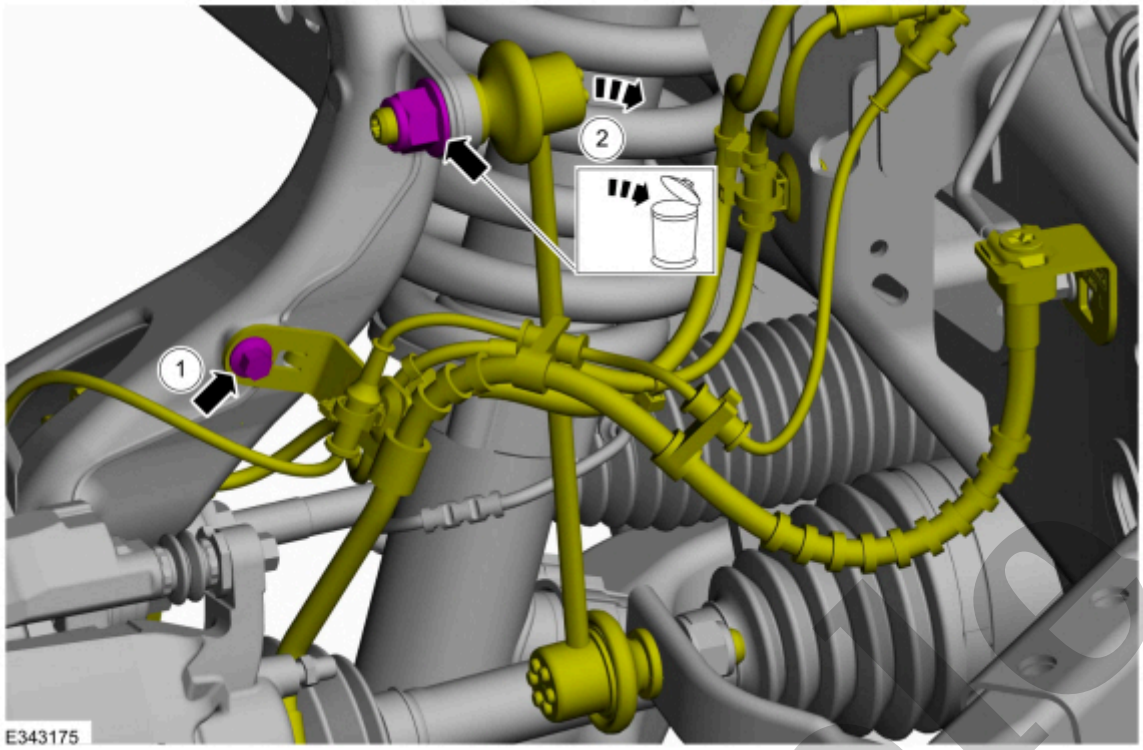
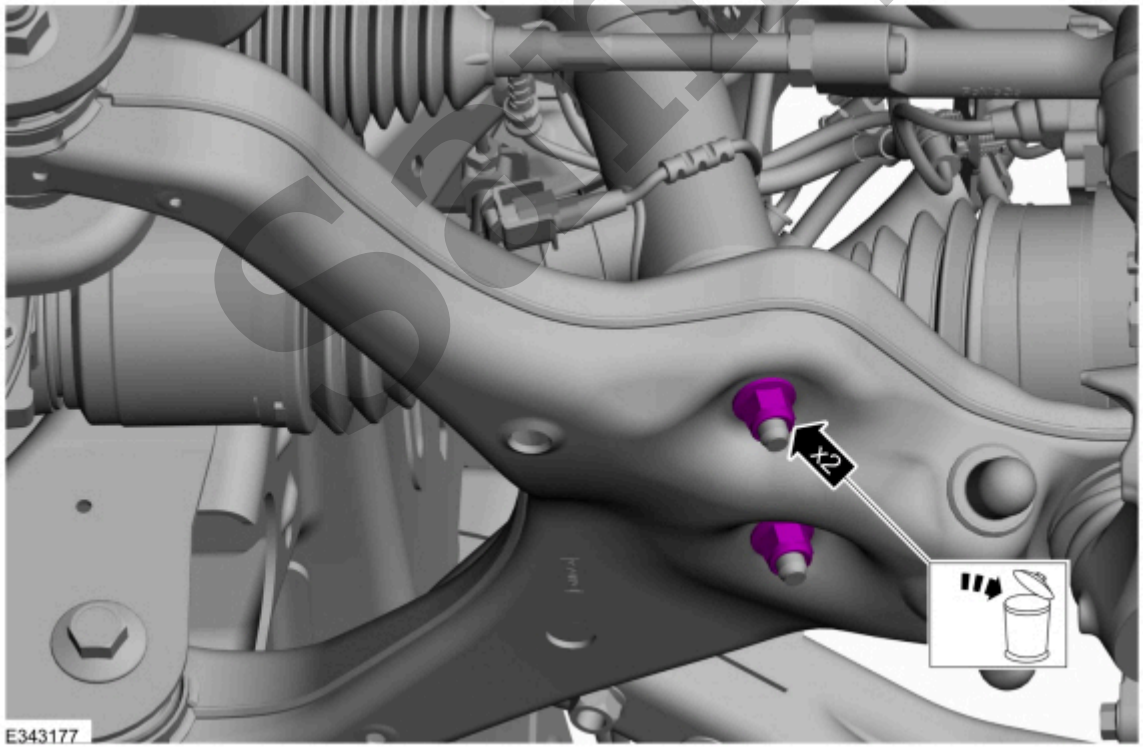


Click here to learn about symbols, color coding, and icons used in this manual.

10. Remove and discard the shock absorber and spring assembly lower nuts.



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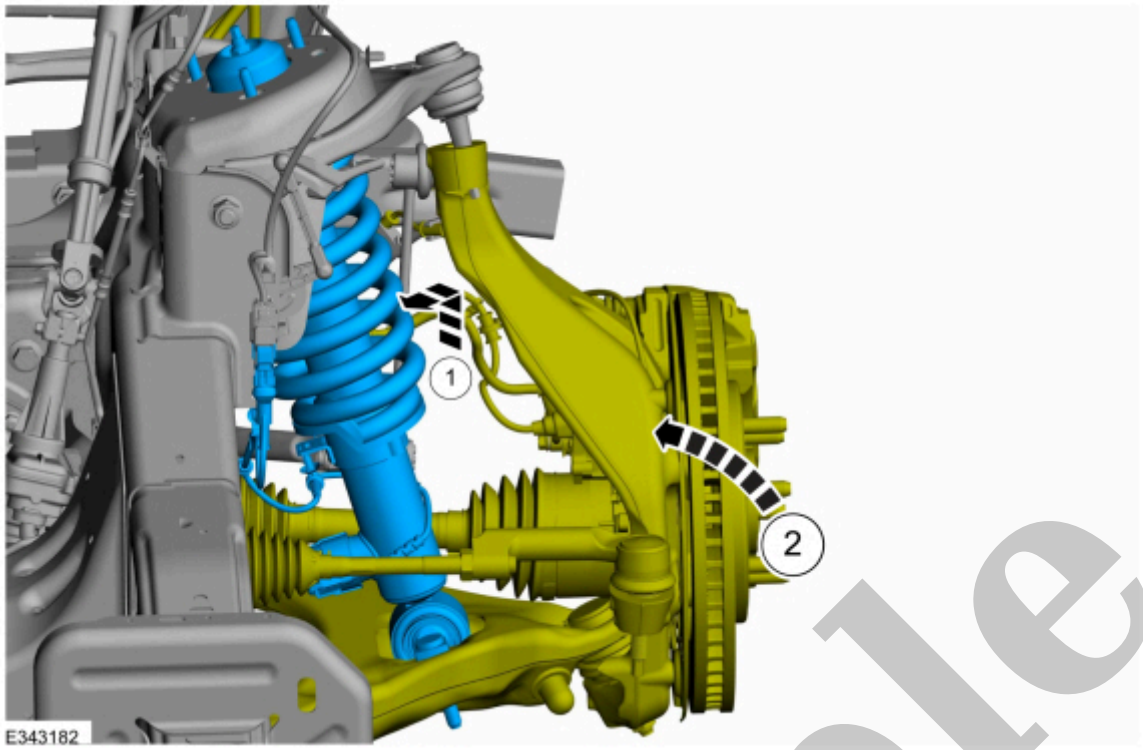

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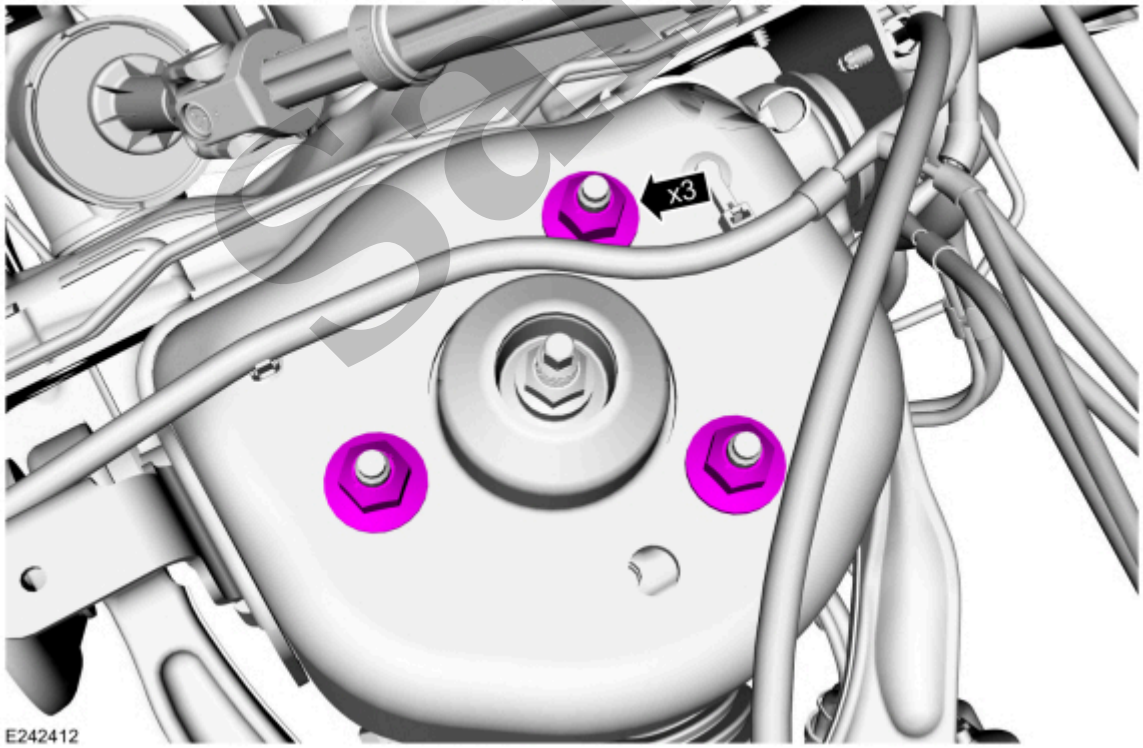
2. Install the new shock absorber and spring assembly upper nuts.

   Torque : 52 lb.ft (70 Nm)



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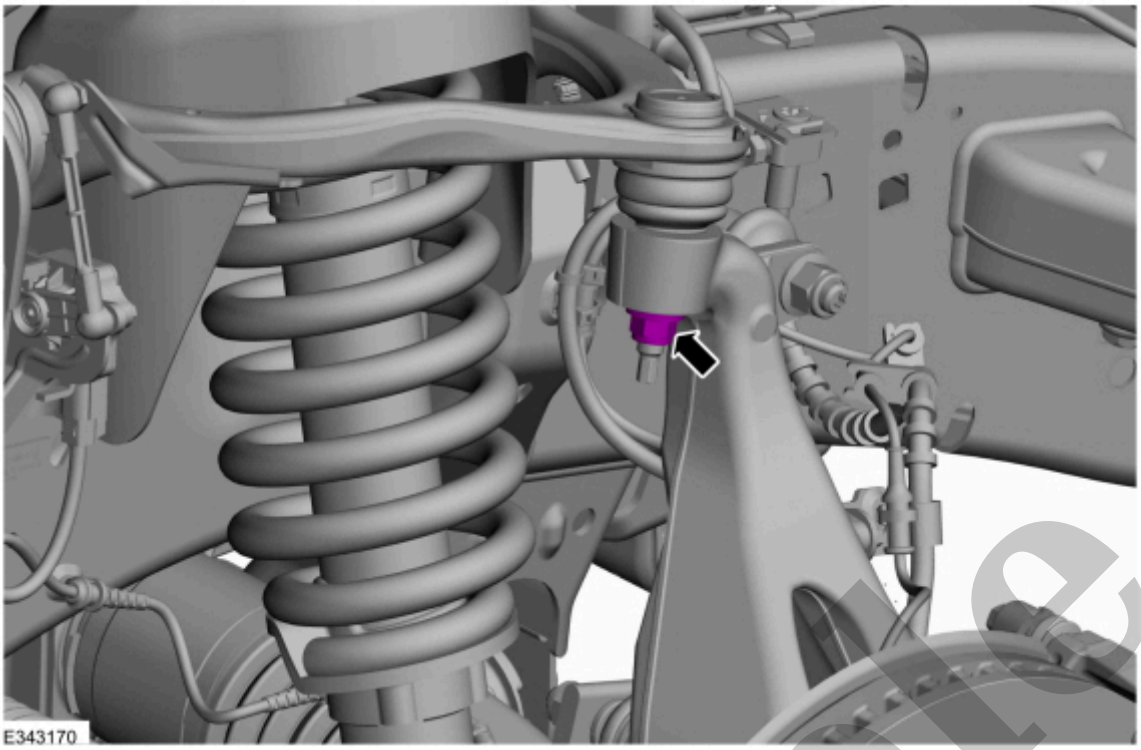


Click here to learn about symbols, color coding, and icons used in this manual.

5. 1. **NOTE**

   The stabilizer bar links are designed with low friction ball joints that have a low breakaway torque.

   NOTE

   Use the TORX PLUS® holding feature to prevent the ball stud from turning while removing or installing the stabilizer bar link nut. Torx® and TORX PLUS® is a reg. tm of Acument Intellectual Properties, LLC.

   Position the stabilizer bar link and install the front stabilizer bar link upper nut.

   Torque : 111 lb.ft (150 Nm)

2. Position the brake hose bracket and install the brake hose bracket bolt.

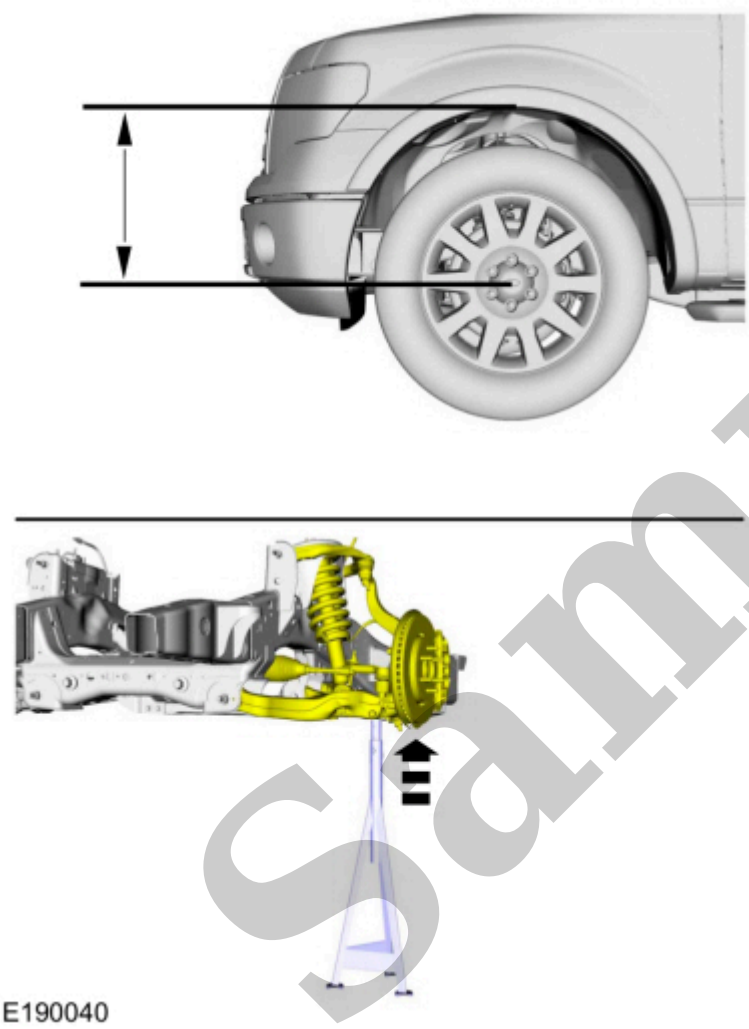
   Torque : 22 lb.ft (30 Nm)

7. Install the wheel and tire.

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

8. Use a suitable jack to raise the suspension until the distance between the center of the hub and the lip of the fender is equal to the measurement taken during removal (curb height).

   Use the General Equipment: Vehicle/Axle Stands



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Click here to learn about symbols, color coding, and icons used in this manual.

9. **NOTICE**

   Tighten the lower shock nuts with the weight of the vehicle resting on the wheel and tire assemblies or incorrect clamp load and bushing damage may occur.

   Tighten the shock absorber and spring assembly lower nuts.

Click here to learn about symbols, color coding, and icons used in this manual.

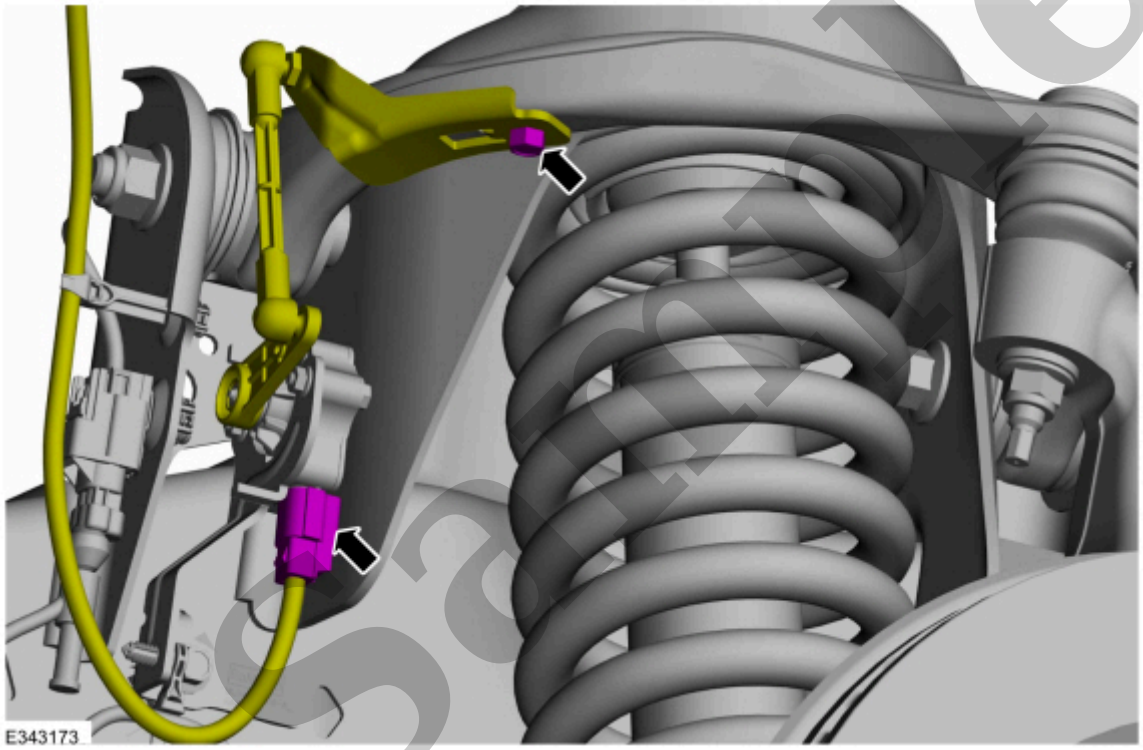
11. **NOTICE**

    The front suspension height sensor must be disconnected from the upper control arm prior to servicing suspension components or damage to the suspension height sensor and/or the vehicle dynamic suspension system may occur. The sensor will need to be recalibrated after reassembly.

    - Attach the height sensor arm to the upper control arm and install the bolt.

      Torque : 177 lb.in (20 Nm)

    - Connect the height sensor electrical connector.



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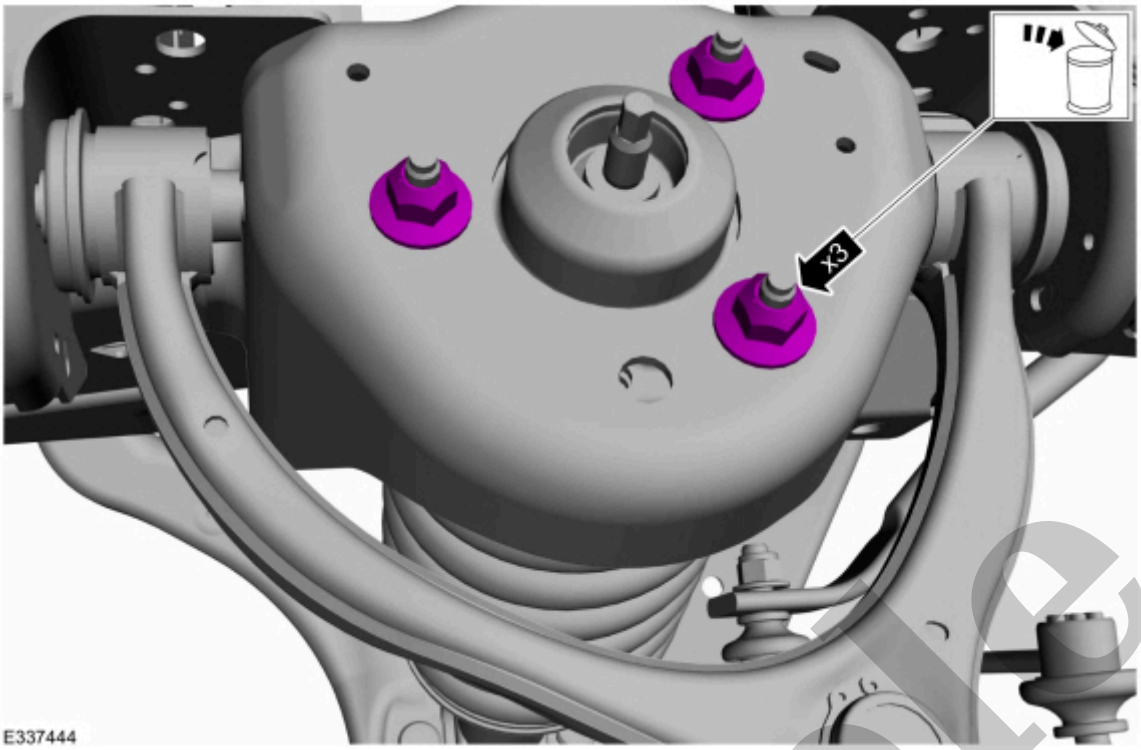
12. Check and if necessary adjust front camber.

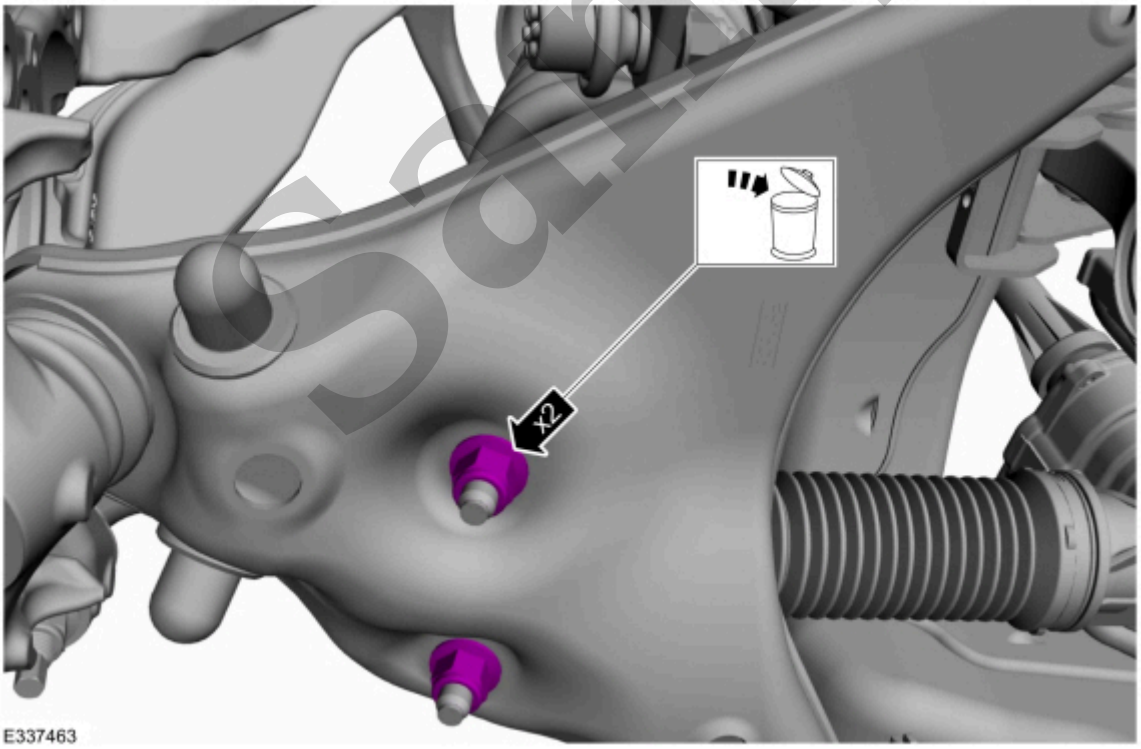
    Refer to: Front Camber and Caster Adjustment(204-00 Suspension System - General Information, General Procedures).

13. If equipped with dynamic suspension, calibrate the suspension height sensor. Connect the scan tool and carry out the Ride Height Calibration routine. Follow the scan tool directions.



Click here to learn about symbols, color coding, and icons used in this manual.

3. Remove and discard the shock absorber and spring assembly lower nuts.



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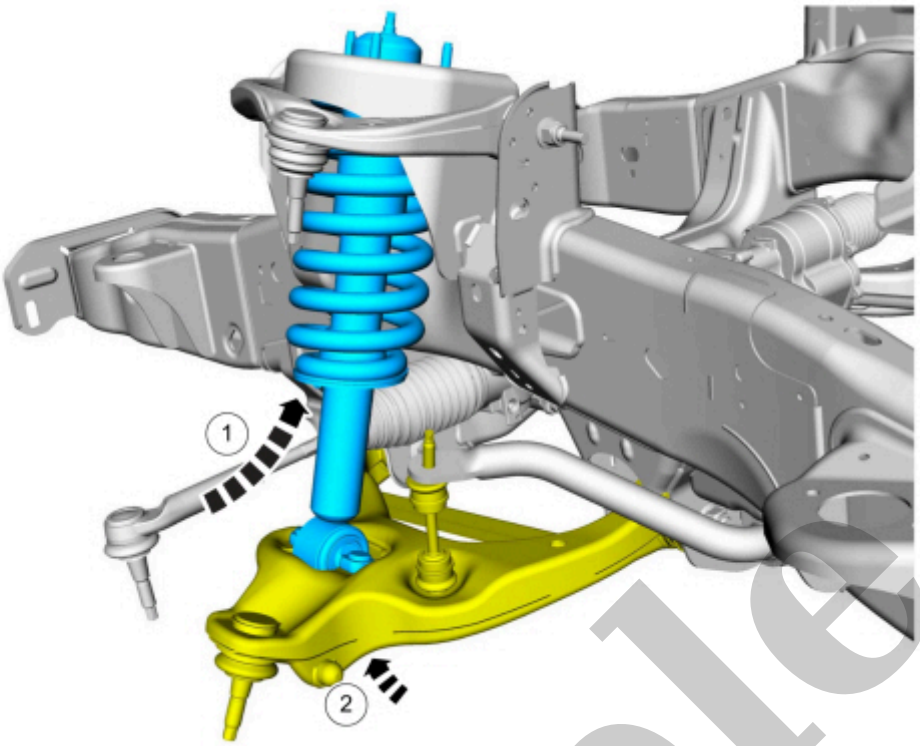

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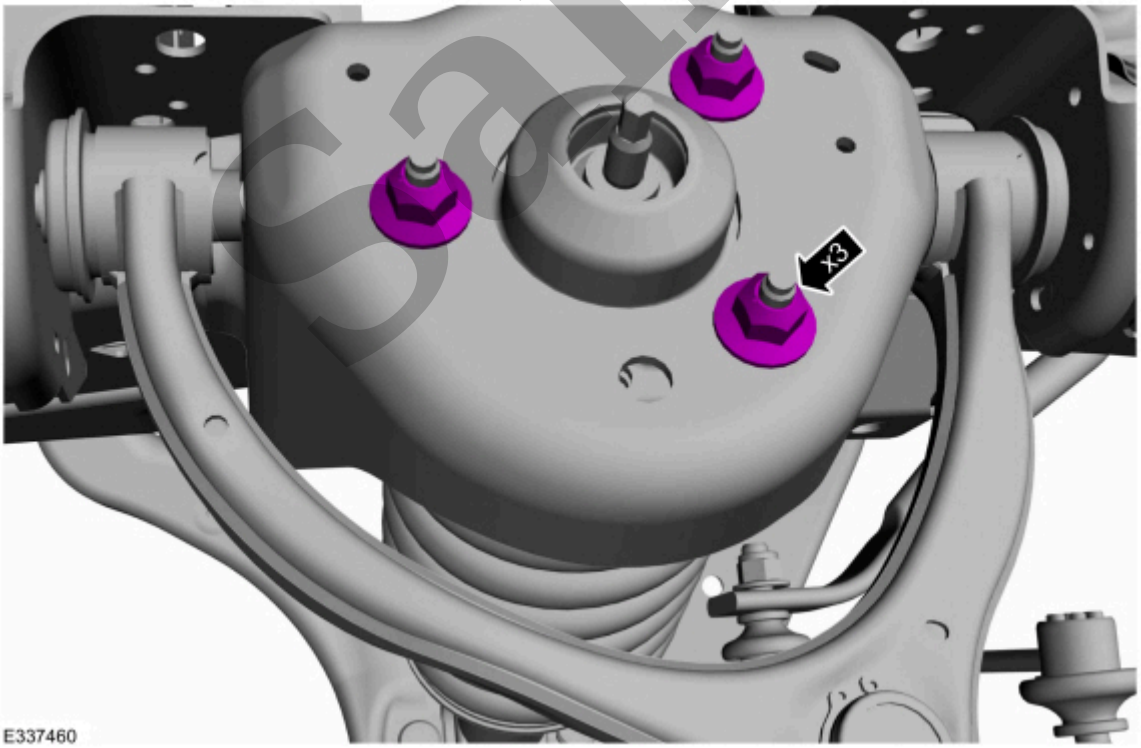
2. Install the 3 new shock absorber and spring assembly upper nuts.

   Torque : 52 lb.ft (70 Nm)



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Shock Absorber Solenoid - Raptor

204-01B Front Suspension - LHD 4WD	***2022 F-150***
Removal and Installation	***Procedure revision date: 08/5/2021***

Shock Absorber Solenoid - 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.

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. - Disconnect the shock absorber and spring assembly electrical connector from the frame.
   - Disconnect the shock absorber and spring assembly wiring harness clips from the frame and position aside.

1. 1. **NOTE**

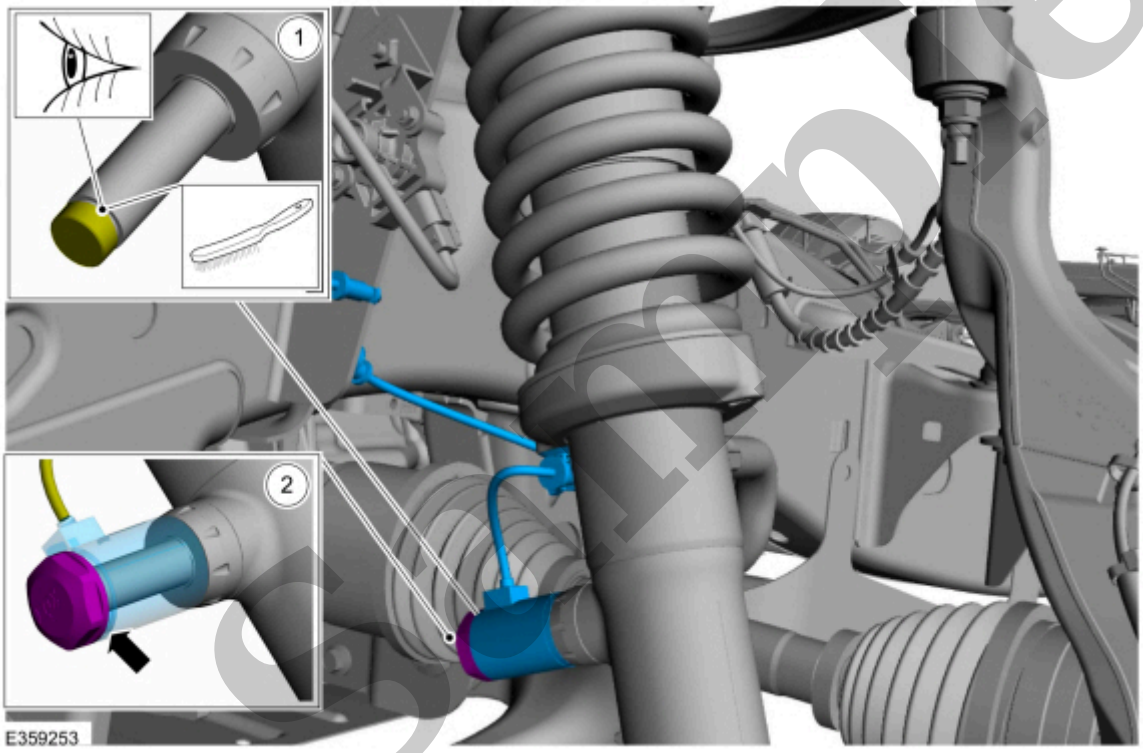
   Make sure to remove any residual thread locking compound on the threads of shock valve body with a wire brush. Threads should be clean and free of foreign material before installing the nut.

   Clean and inspect the thread area of shock valve body.

2. Install the solenoid coil and wire assembly. Apply a several drops of medium-strength thread locker (blue) to the solenoid valve thread and tighten the nut.

   Material : Motorcraft® Threadlock and Sealer / TA-25-B

   Torque : 53 lb.in (6 Nm)



Click here to learn about symbols, color coding, and icons used in this manual.

2. - Connect the shock absorber and spring assembly electrical connector on the frame.
   - Position the shock absorber and spring assembly wiring harness and connect the wiring harness clips into the frame.