

Shock Absorber and Spring Assembly

Base Part Number: Base Part Number: 18045

Special Tool(s) / General Equipment

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

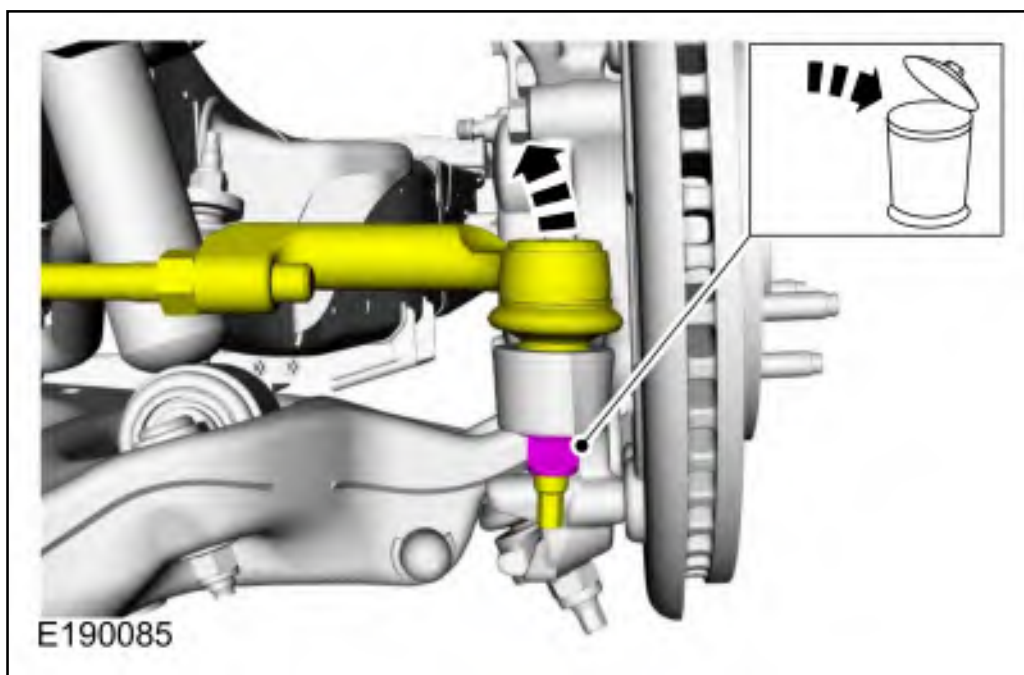
Removal

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.

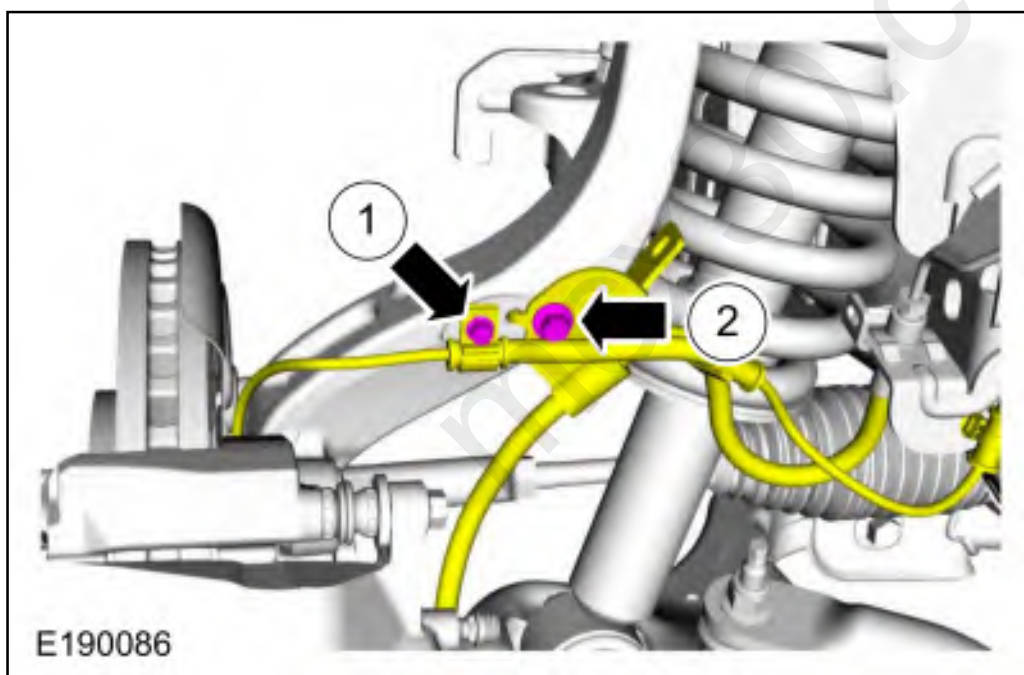
1. Remove the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
2. **NOTICE:** Do not use a hammer to separate the outer tie-rod end from the wheel knuckle or damage to the wheel knuckle may result.

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

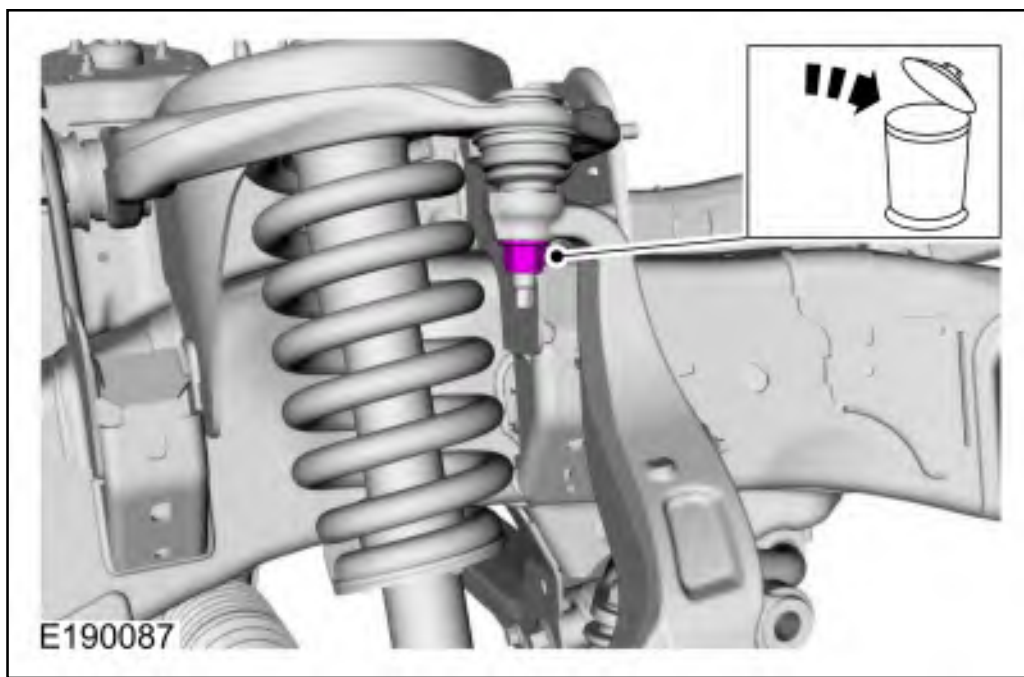
Remove and discard the tie rod end nut and separate the tie rod end from the wheel knuckle.
Use the General Equipment: Tie Rod End Remover



1. Remove the wheel speed sensor bolt and position the wheel speed sensor wire harness aside.
2. Remove the brake hose bracket bolt and position the brake hose aside.



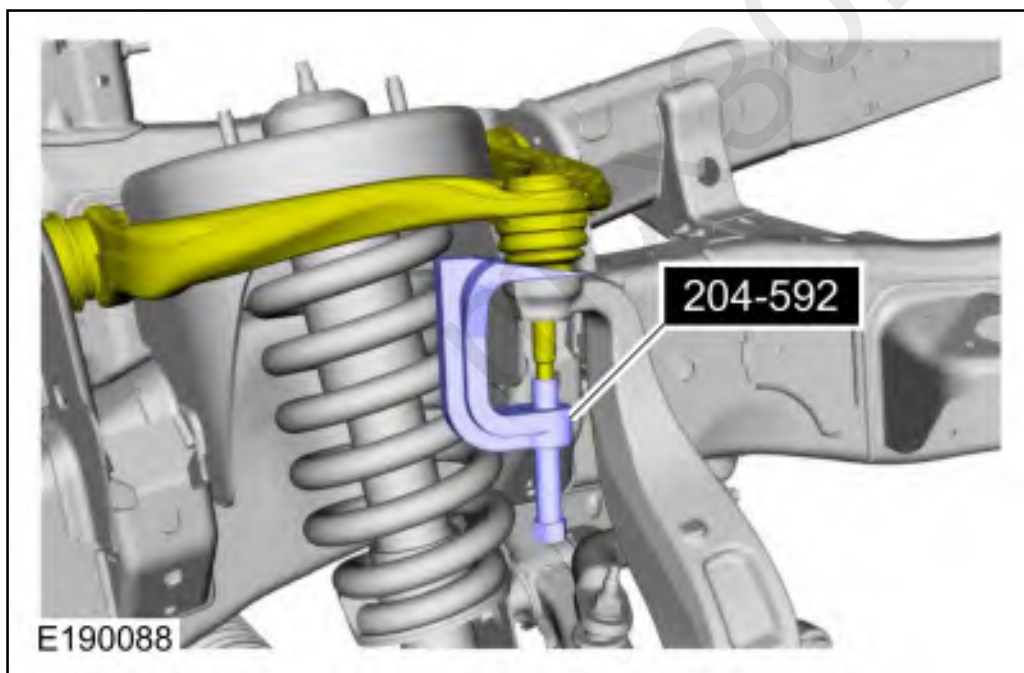
4. Remove and discard the upper ball joint nut.



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

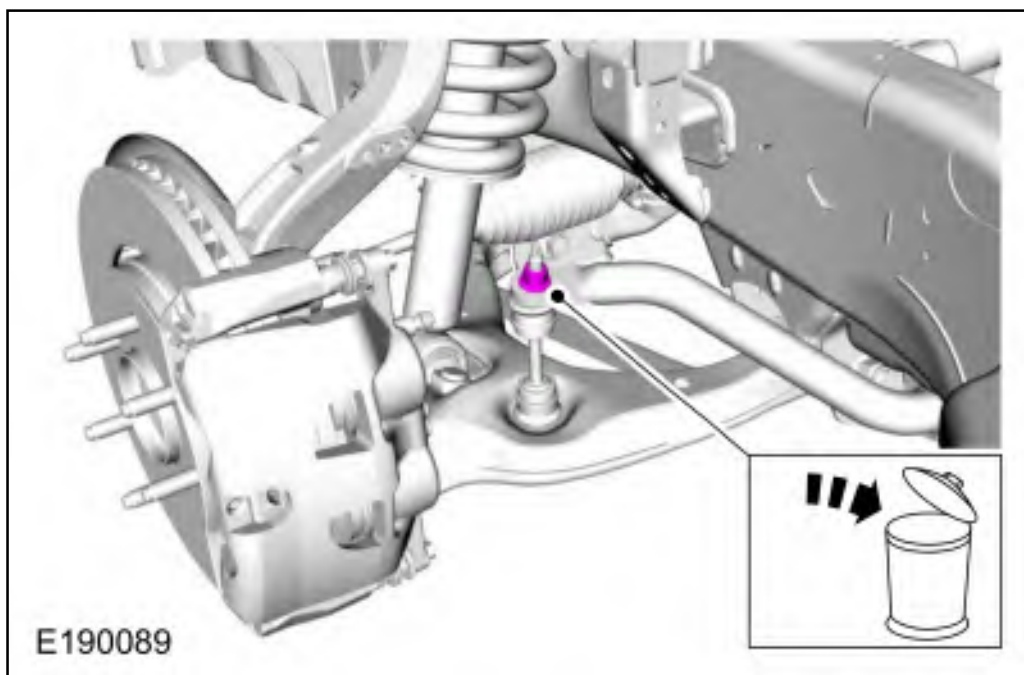
Separate the upper ball joint from the wheel knuckle.

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

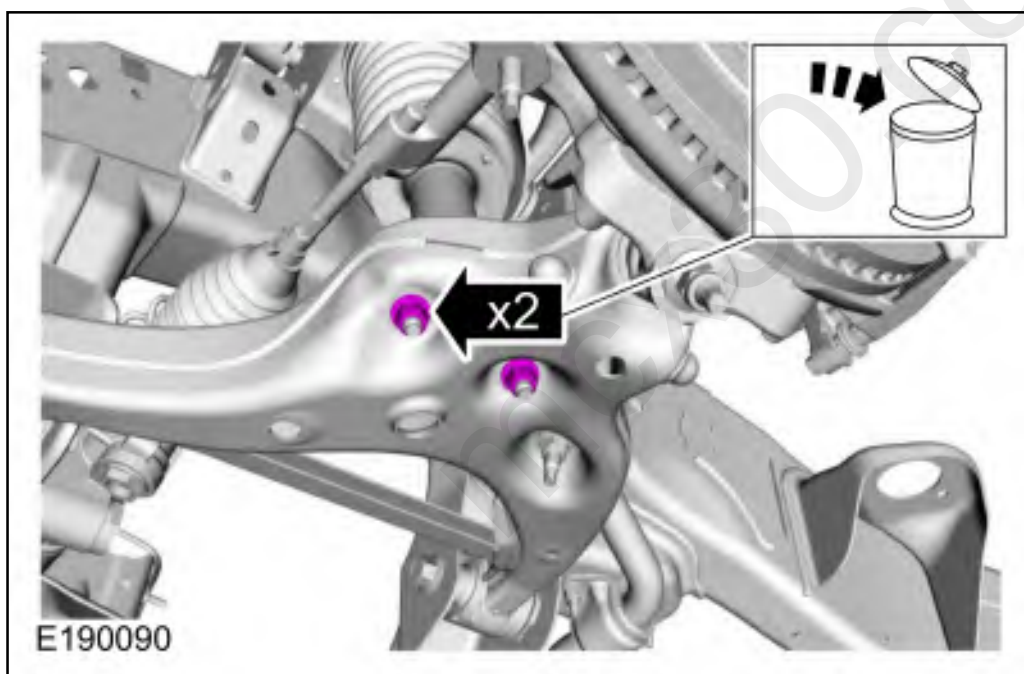


6. **NOTE:** *Use the hex-holding feature to prevent the stud from turning while removing the nut.*

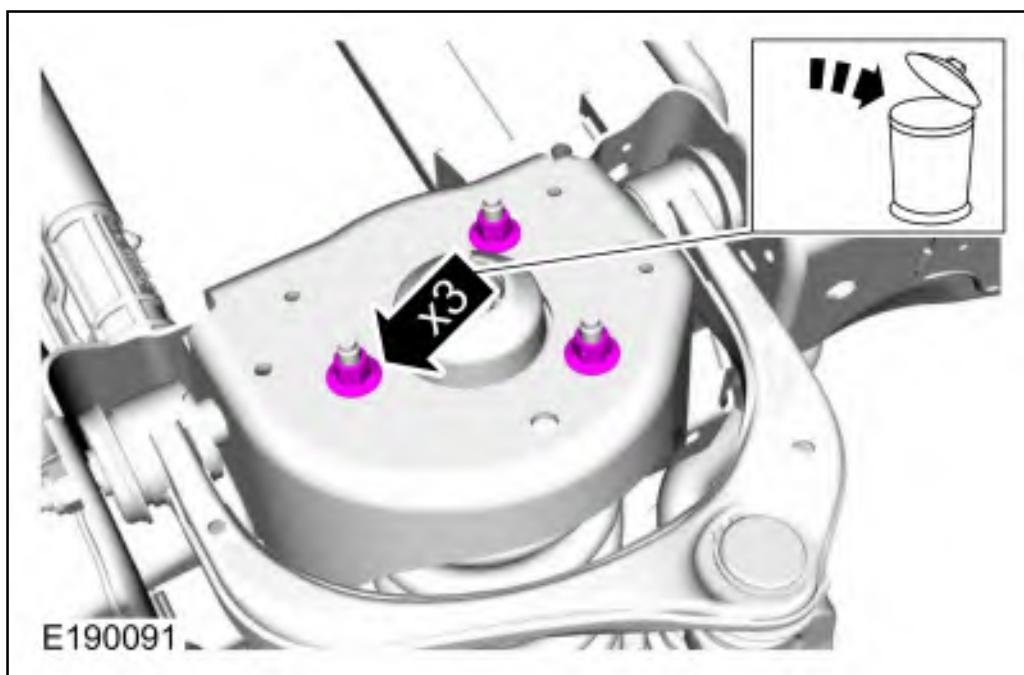
Remove and discard the front stabilizer link upper nut.



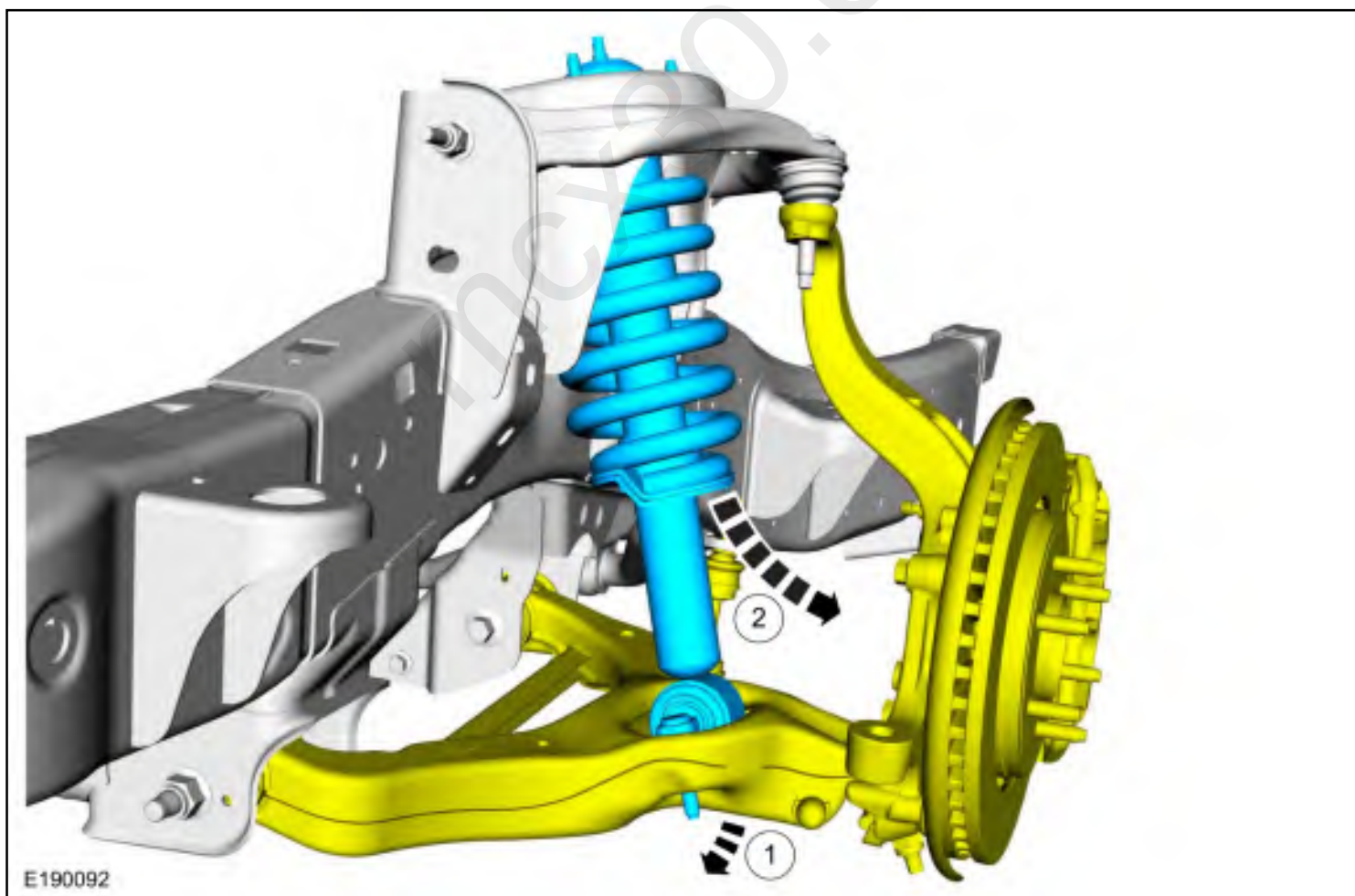
7. Remove and discard the shock absorber and spring assembly lower nuts.



8. Remove and discard the shock absorber and spring assembly upper nuts.



1. Position the lower arm and wheel knuckle down to gain clearance for removing the shock absorber and spring assembly.
2. Remove the shock absorber and spring assembly.

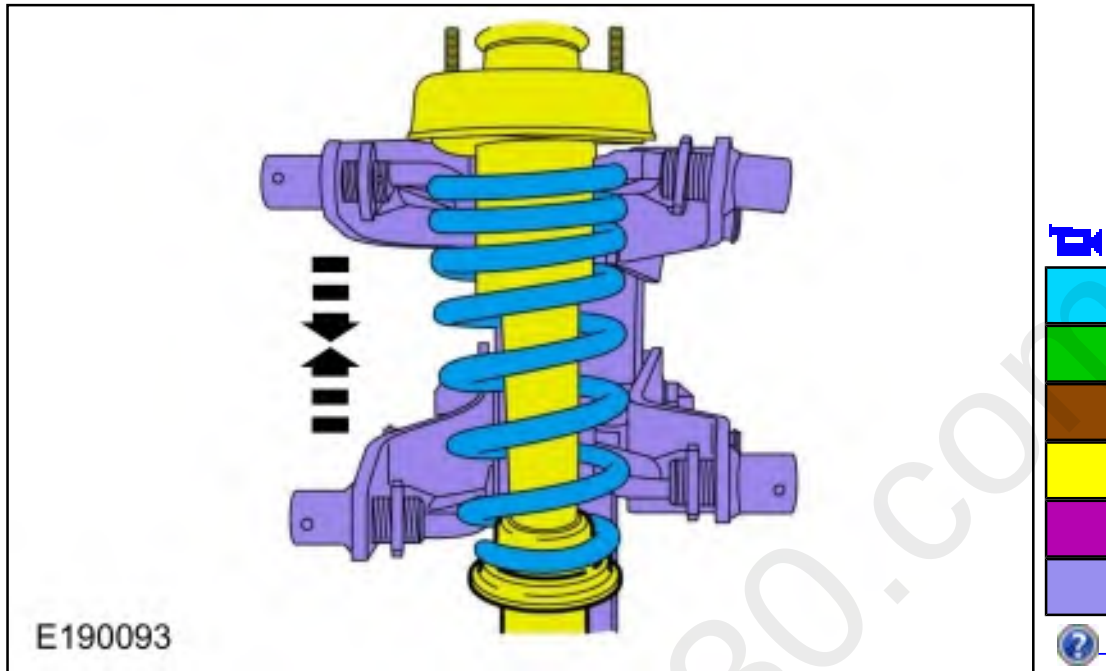


10. **NOTE:** *If the individual spring and/or shock components are not being serviced, continue to the installation procedure.*

NOTE: *For reference during assembly, index the upper mount, spring and shock absorber.*

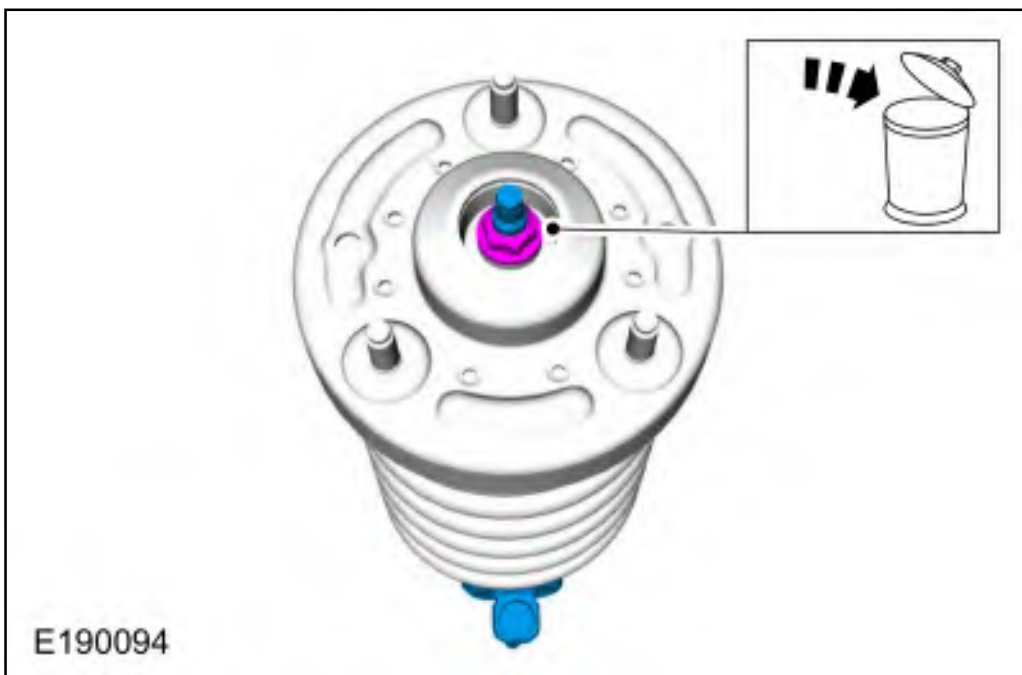
Compress the spring until the tension is released from the shock absorber.

Use the General Equipment: Spring Compressor

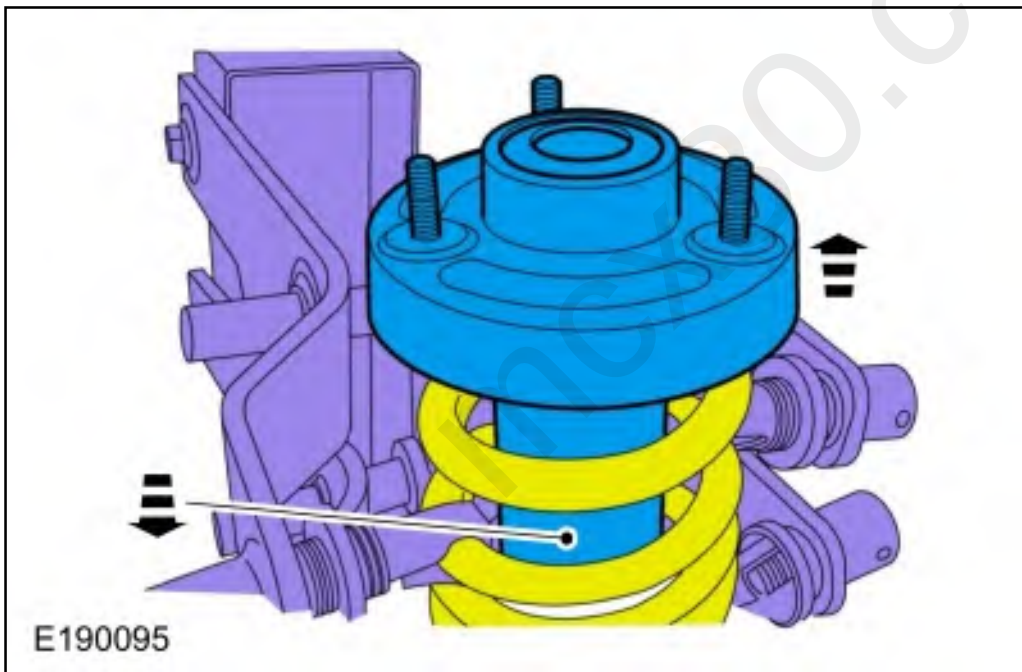


11. **NOTE:** *Use the hex-holding feature to prevent the shock rod from turning while removing the nut.*

Remove and discard the shock rod nut.

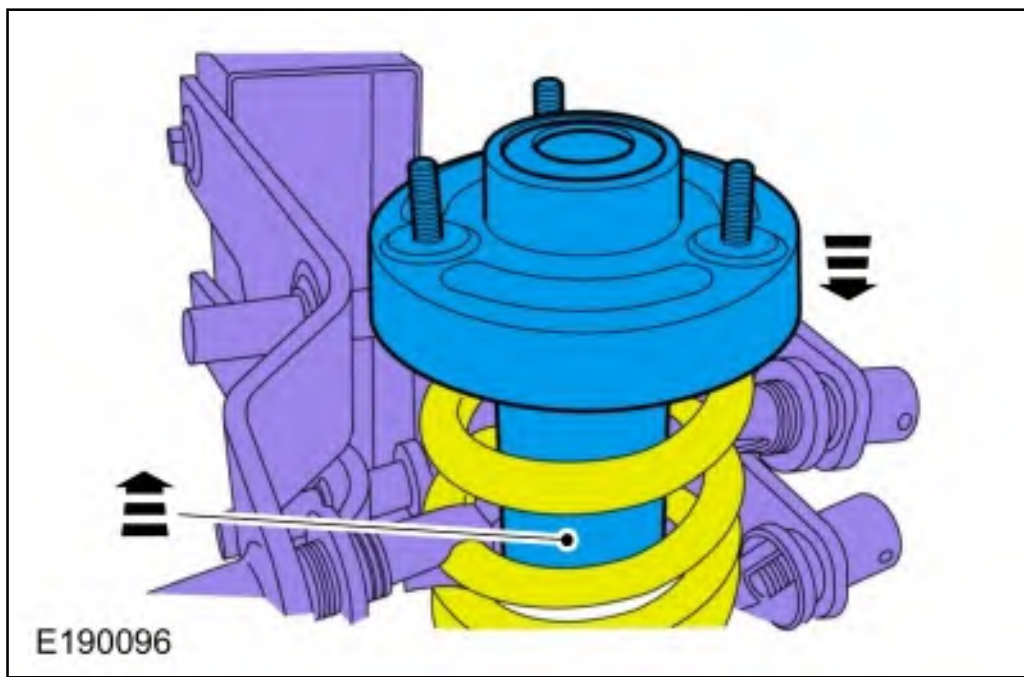


12. Remove the upper mount and the shock absorber from the spring.
Use the General Equipment: Spring Compressor



Installation

1. Install the shock absorber and the upper mount.
Use the General Equipment: Spring Compressor

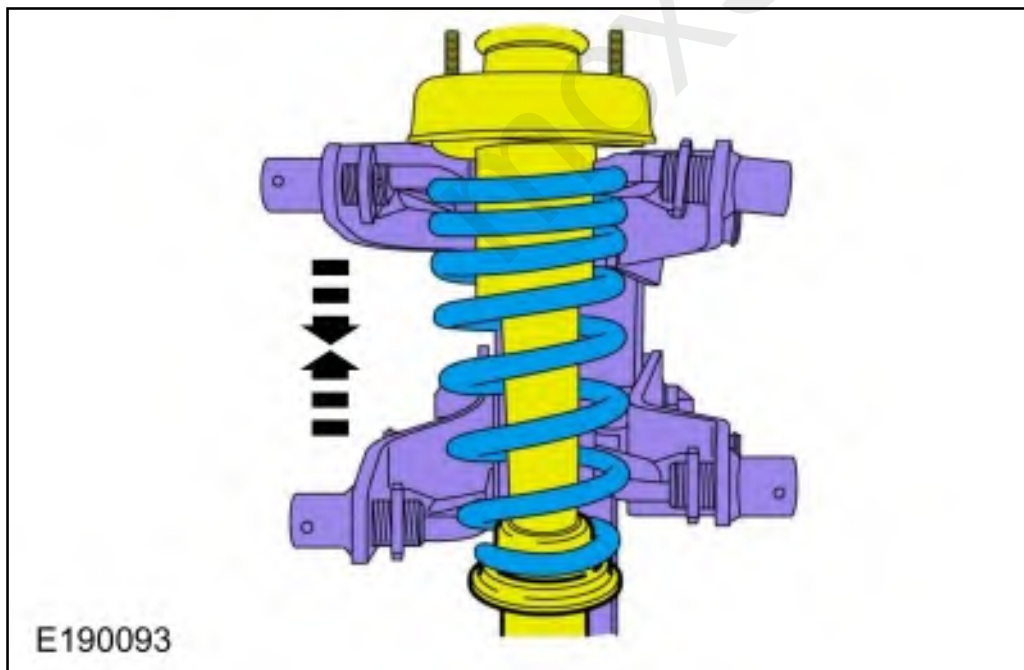


2. **NOTE:** If the individual spring and/or shock components are not being serviced, continue to the installation procedure.

NOTE: For reference during assembly, index the upper mount, spring and shock absorber.

Compress the spring until the tension is released from the shock absorber.

Use the General Equipment: Spring Compressor

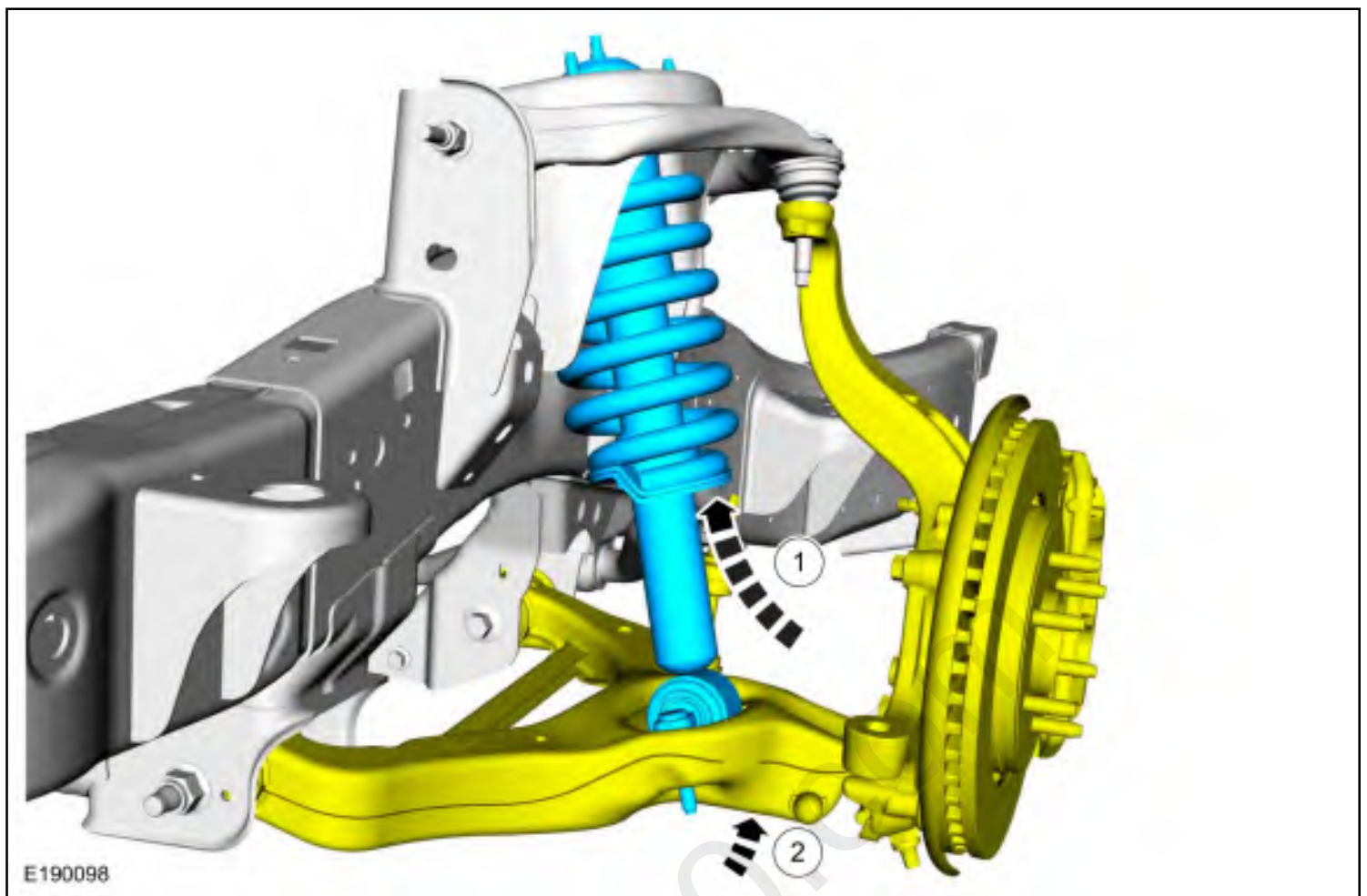


3. **NOTE:** Use the hex-holding feature to prevent the shock rod from turning while installing the nut.

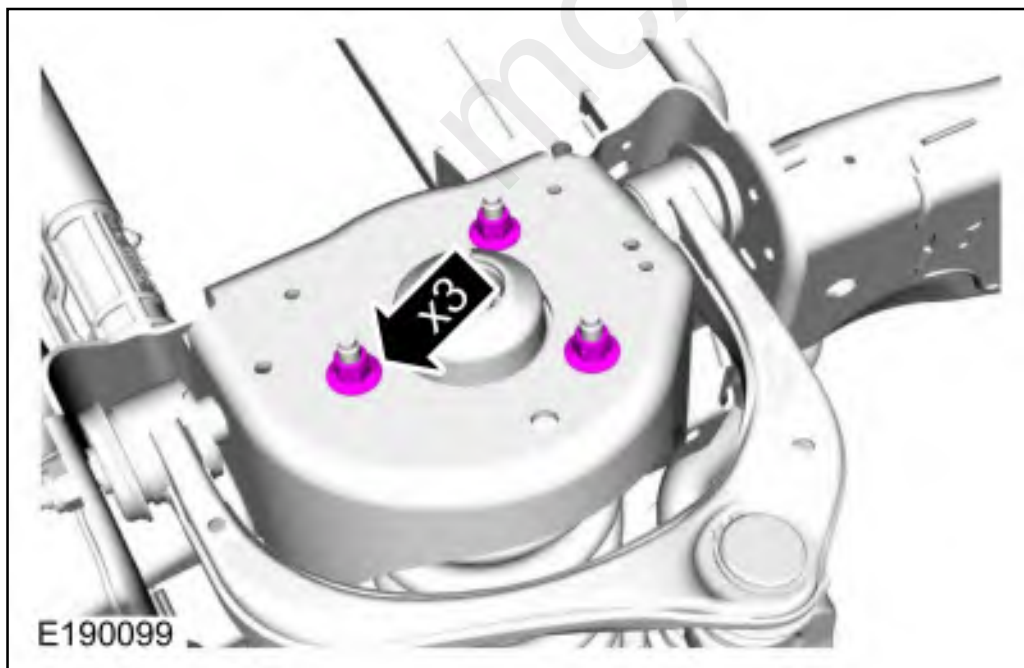
While holding the shock rod, install the new shock absorber and the shock rod nut.
Torque: 41 lb.ft (55 Nm)



1. Install the shock absorber and spring assembly.
2. Position the lower arm and wheel knuckle up.

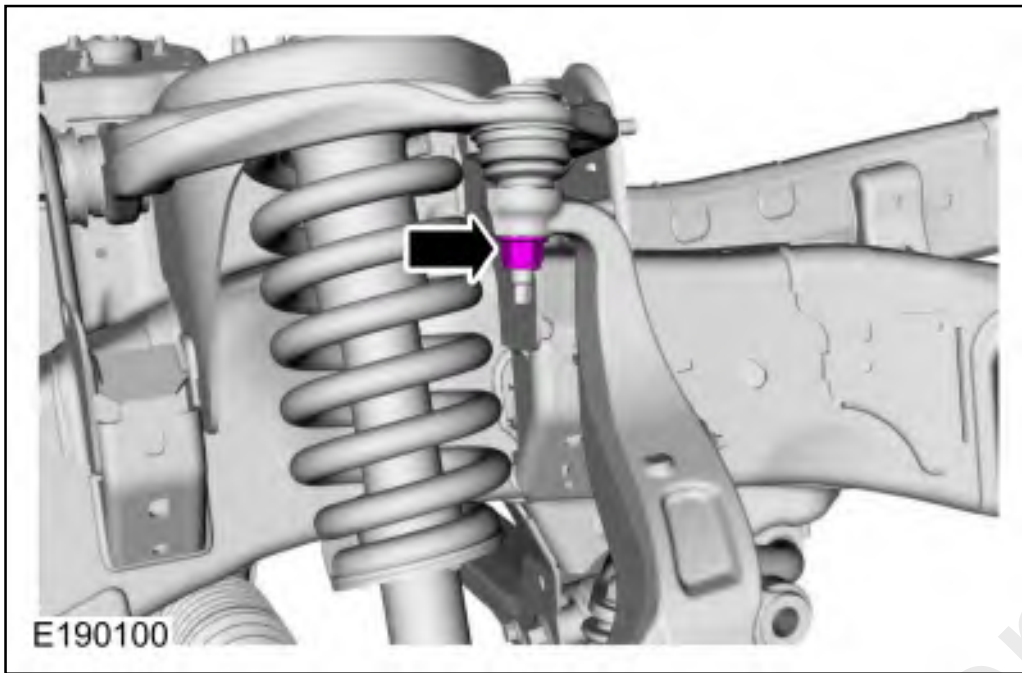


5. Install the new shock absorber and spring assembly upper nuts.
Torque: 52 lb.ft (70 Nm)

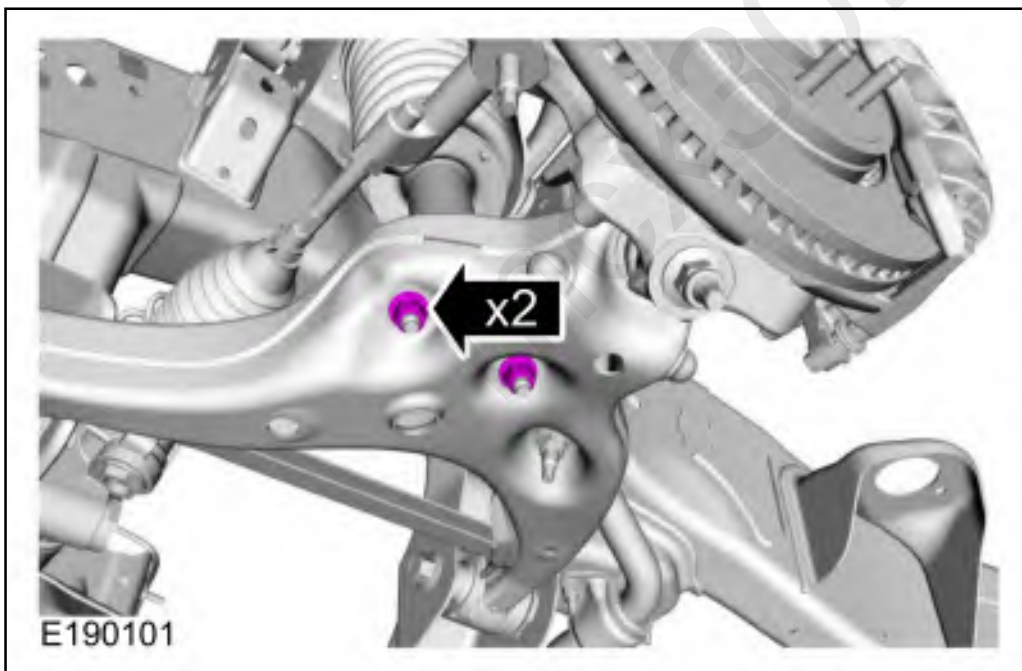


6. Install the new upper ball joint nut.

Torque: 46 lb.ft (63 Nm)

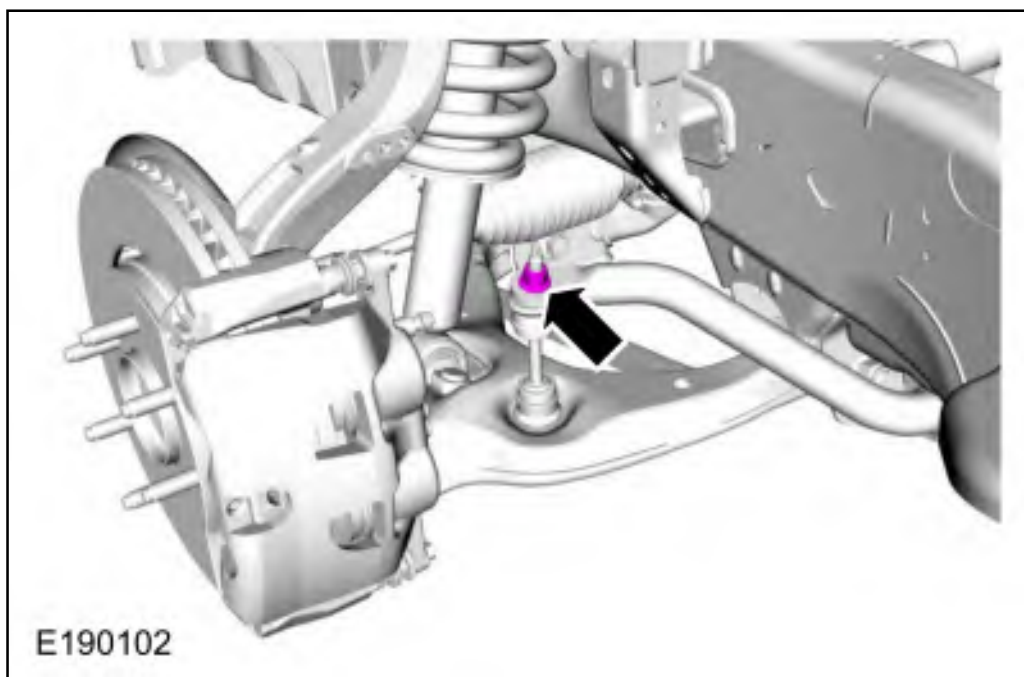


7. Install the new shock absorber and spring assembly lower nuts.
Torque: 66 lb.ft (90 Nm)

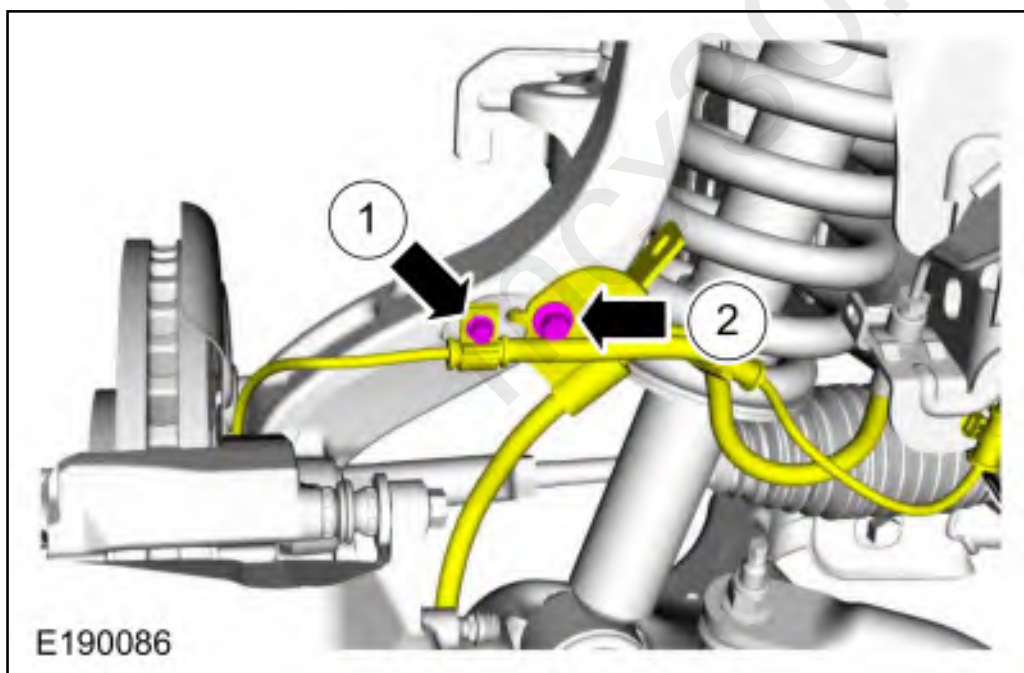


8. **NOTE:** Use the hex-holding feature to prevent the stud from turning while installing the nut.

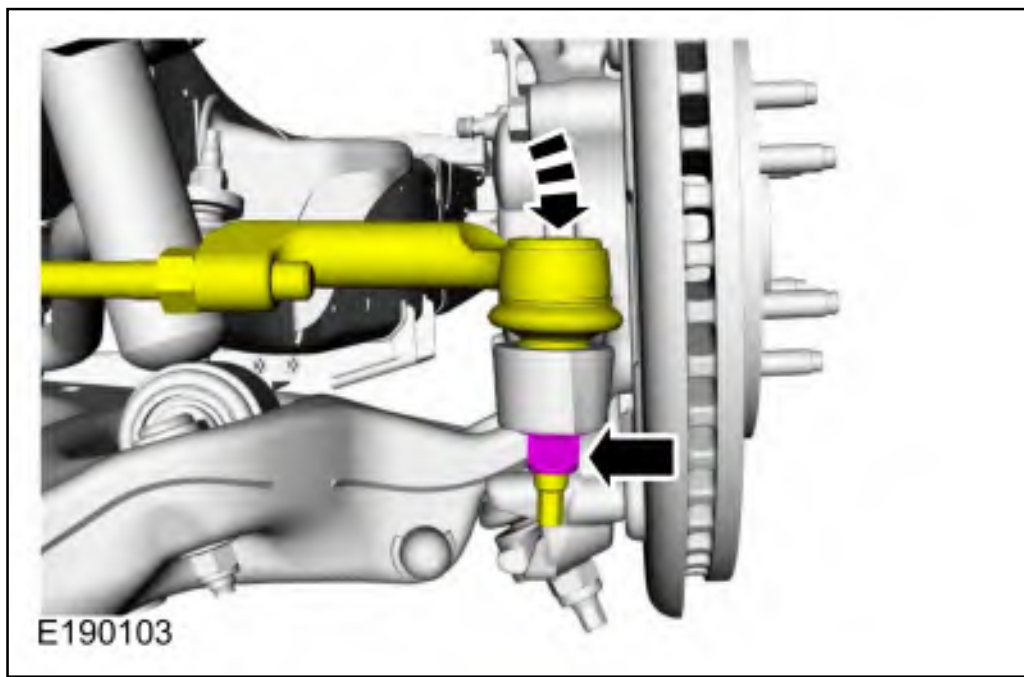
Install the new front stabilizer link upper nut.
Torque: 59 lb.ft (80 Nm)



1. Position the wheel speed sensor wire harness and install the wheel speed sensor bolt.
Torque: 106 lb.in (12 Nm)
2. Position the brake hose and install the brake hose bracket bolt.
Torque: 22 lb.ft (30 Nm)



10. Position the tie rod end and install the new tie rod end nut.
Torque: 76 lb.ft (103 Nm)



11. Install the wheel and tire.

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

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