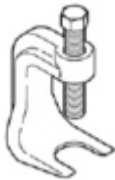


Shock Absorber and Spring Assembly

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
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.

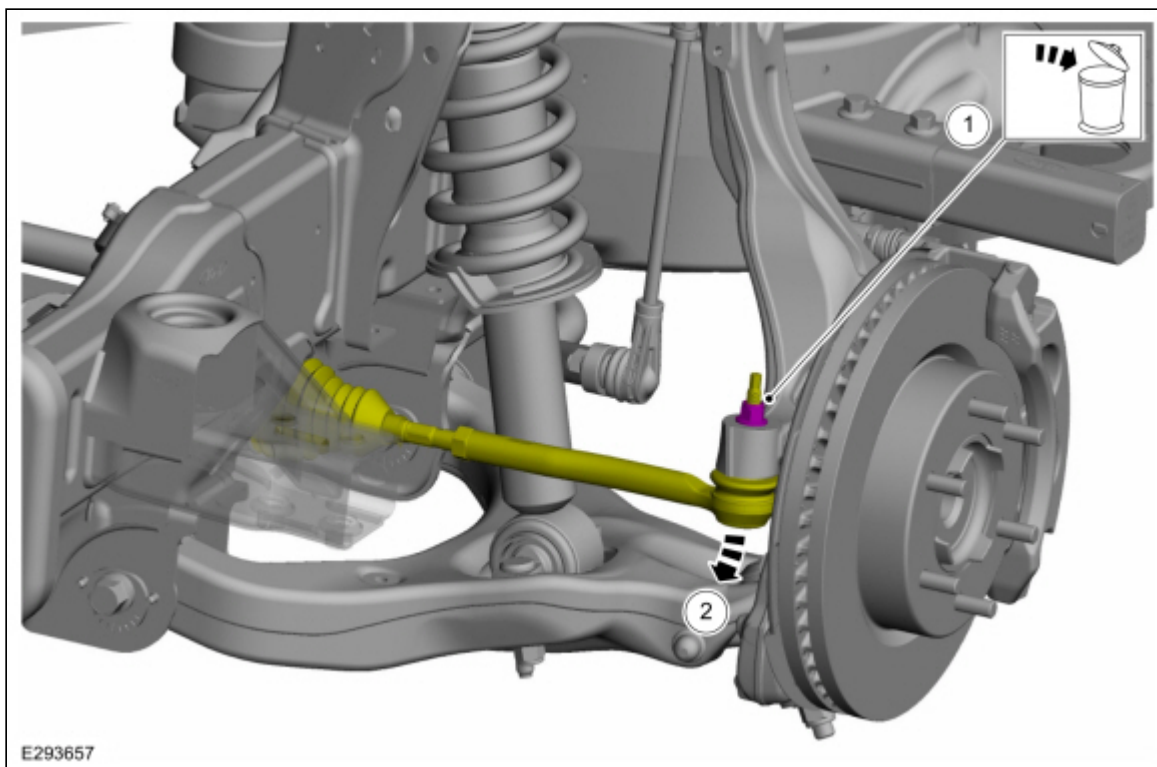
1. Remove the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
2. Remove the front wheel speed sensor.
Refer to: [Front Wheel Speed Sensor](#) (206-09 Anti-Lock Brake System (ABS) and Stability Control, Removal and Installation).
3. **NOTICE:** Do not 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.

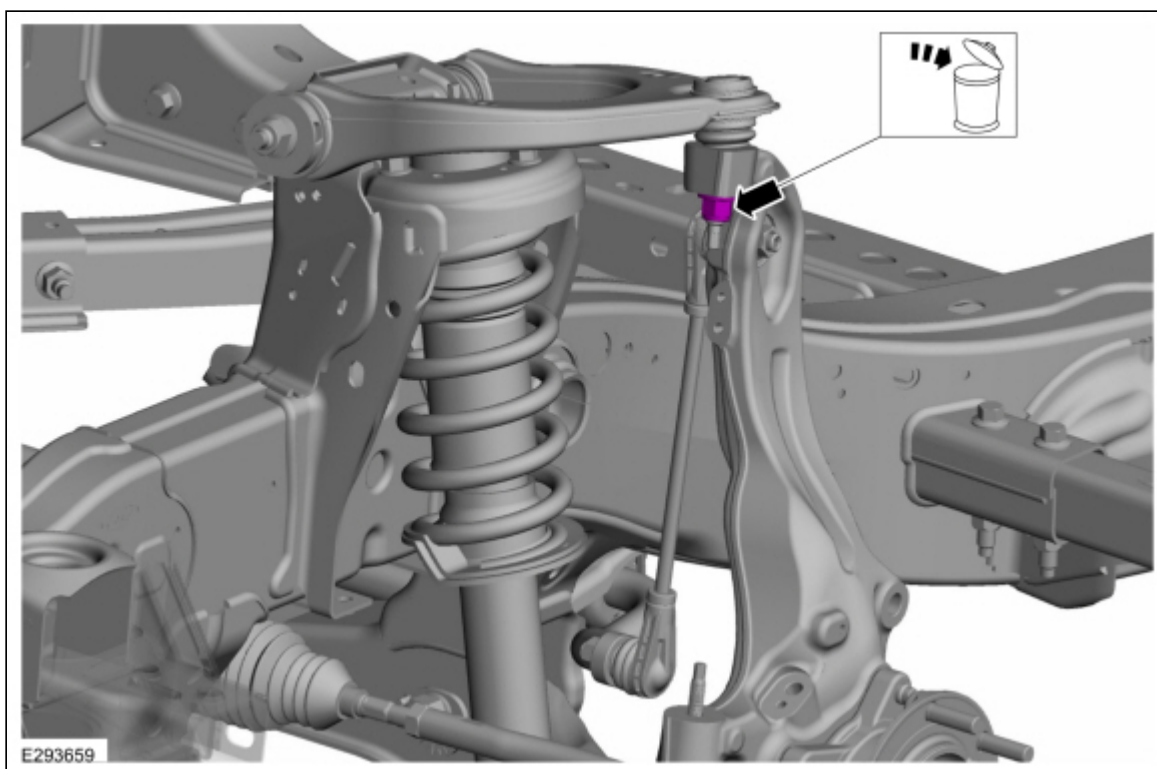
NOTE: Use the hex-holding feature to prevent the stud from turning while removing the nut.

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





4. Remove and discard the upper arm ball joint nut.

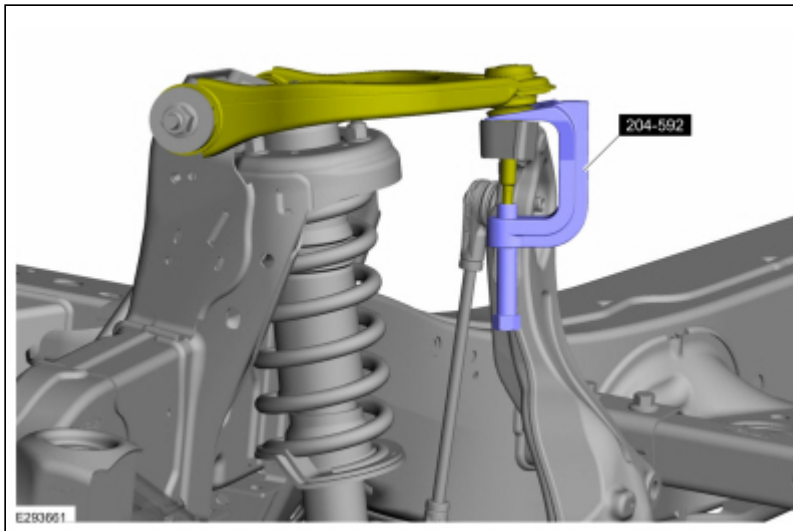


5. **NOTE:** Be sure not to damage the ball joint boot when installing the Ball Joint Separator.

Separate the upper ball joint from the wheel knuckle.

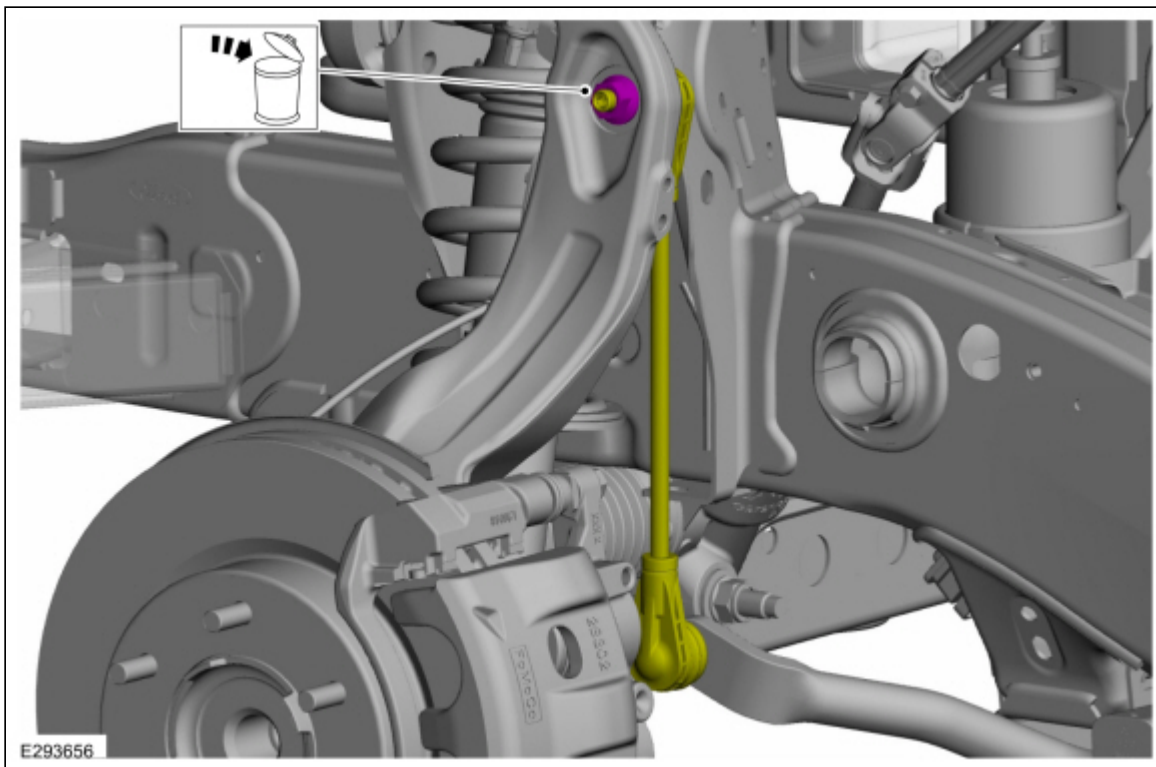
Use Special Service Tool: [204-592 Separator, Lower Arm Ball Joint](#).



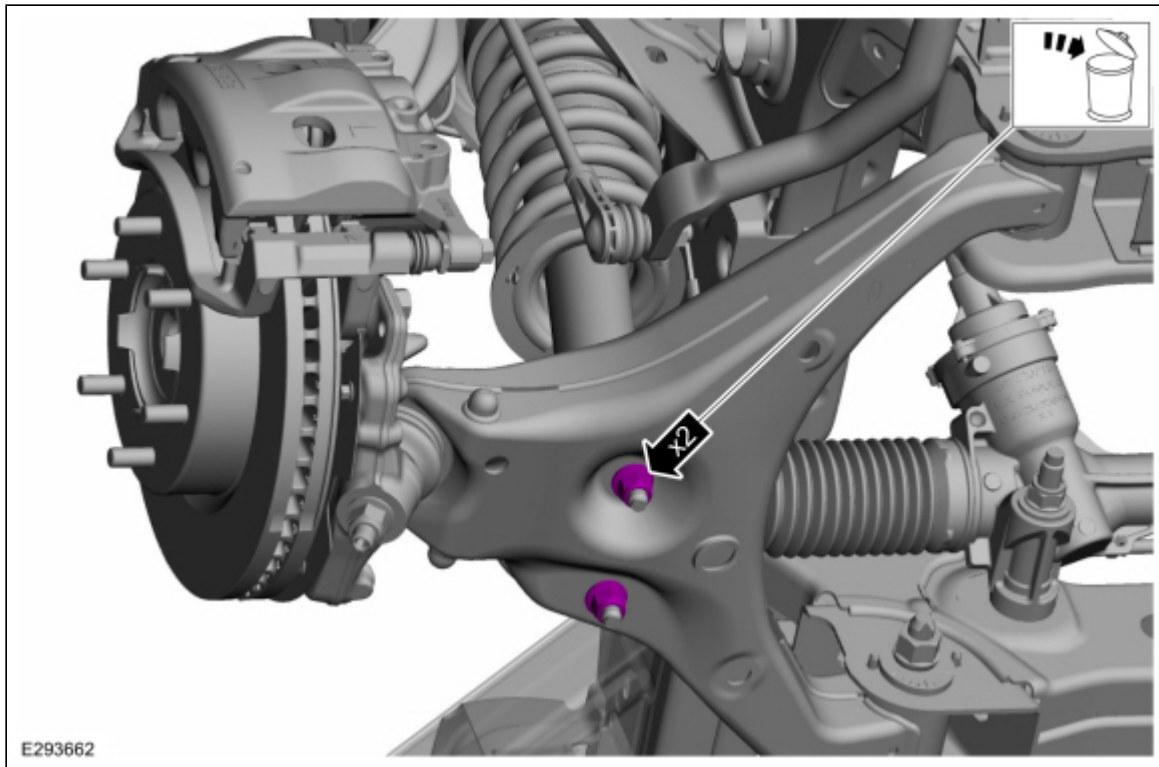


6. **NOTE:** Use the hex-holding feature to prevent the stud from turning while removing the nut.

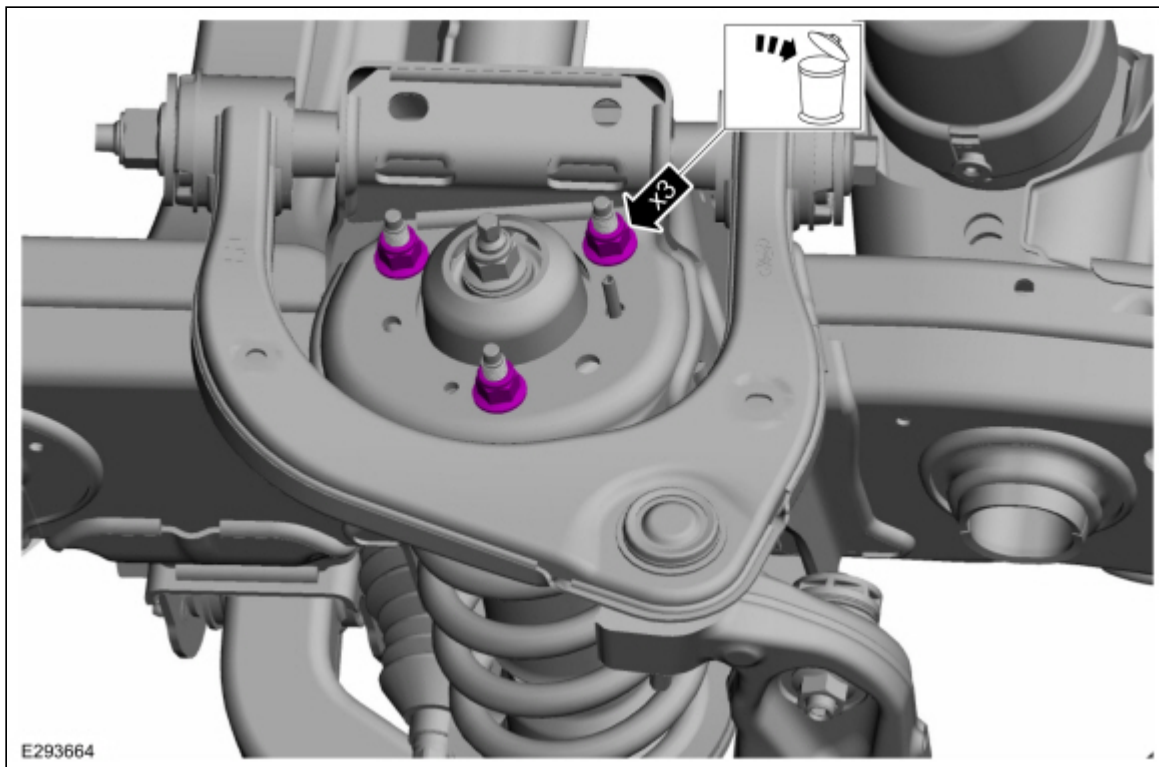
Remove and discard the front stabilizer link upper nut.



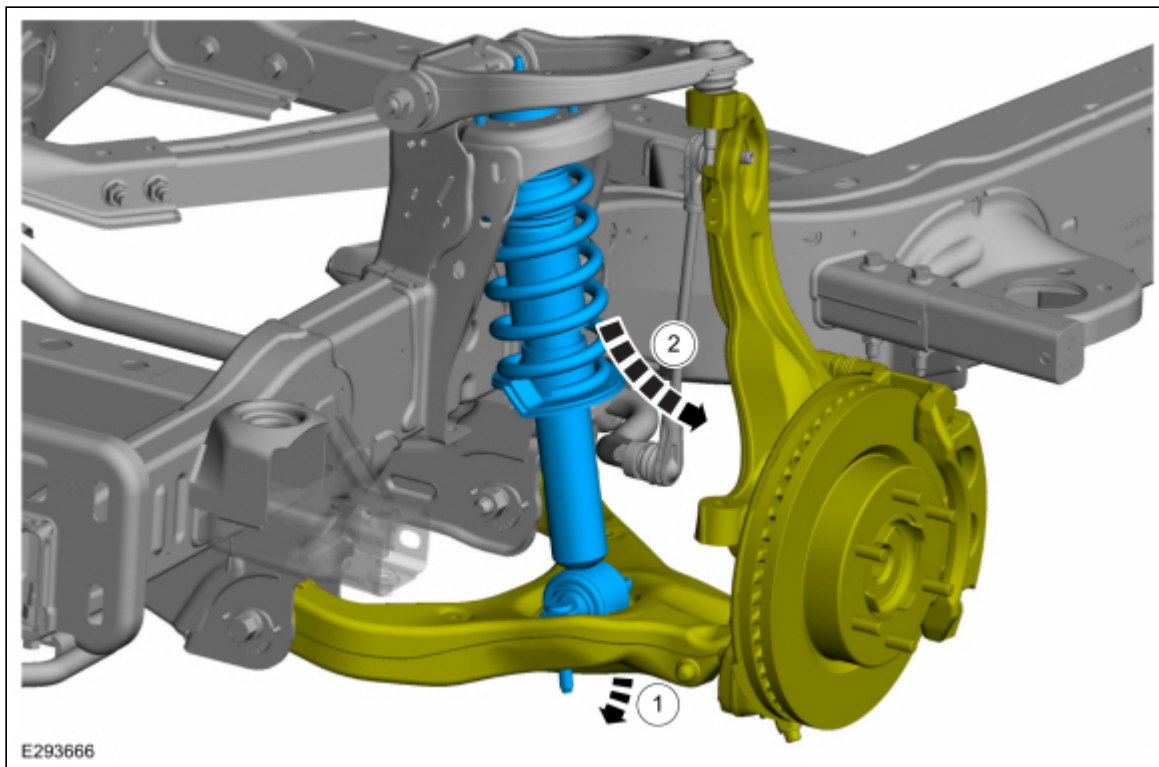
7. Remove and discard the shock absorber and spring assembly lower nuts.



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



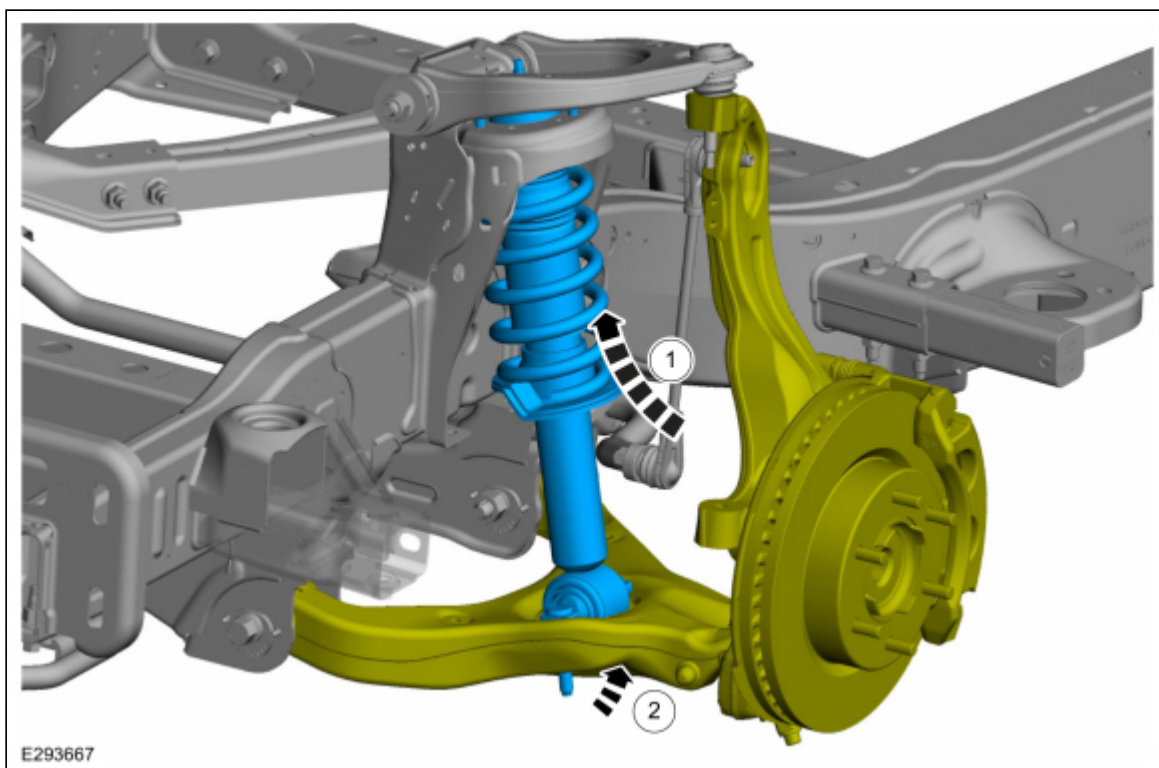
- 9.
1. Position the lower arm and wheel knuckle down to gain clearance for removing the shock absorber and spring assembly.
 2. Remove the shock absorber and spring assembly.



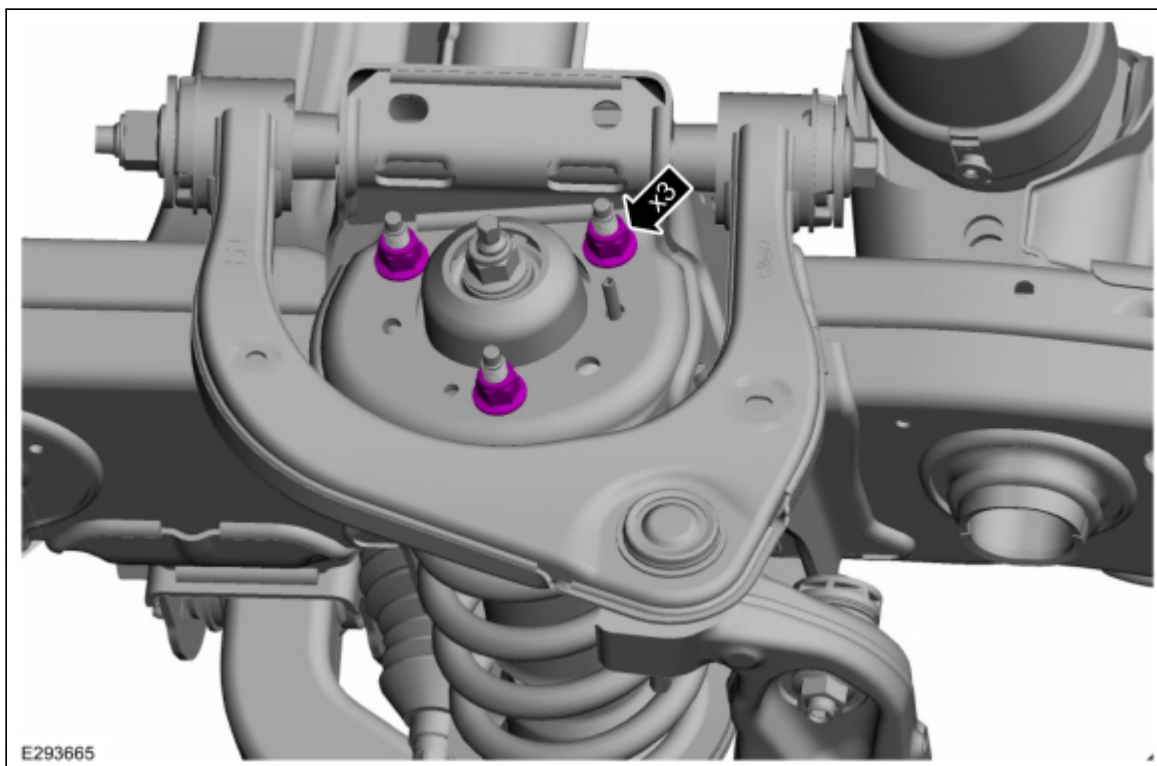
Installation

NOTICE: All suspension bushings, including stab bar bushings, must be tightened with the suspension at the normal use ride height (suspension compressed with vehicle weight).

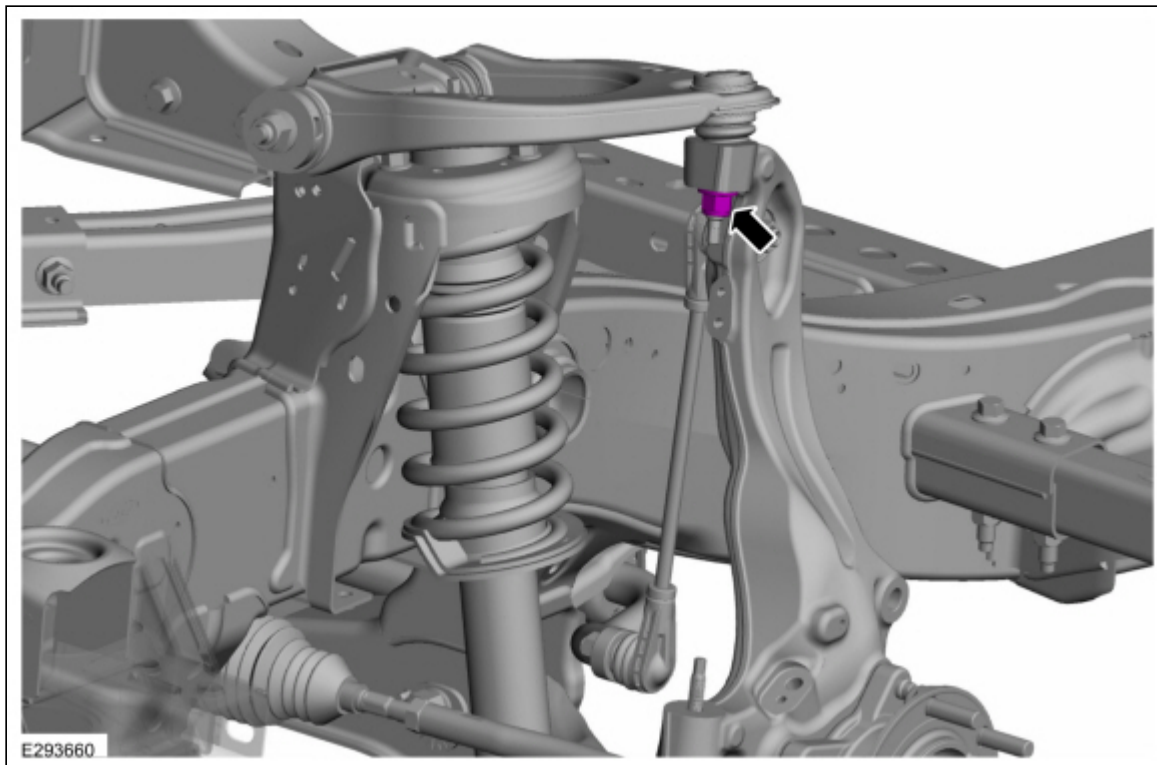
1. To install, reverse the removal procedure.
2.
 1. Install the shock absorber and spring assembly.
 2. Position the lower arm and wheel knuckle up.



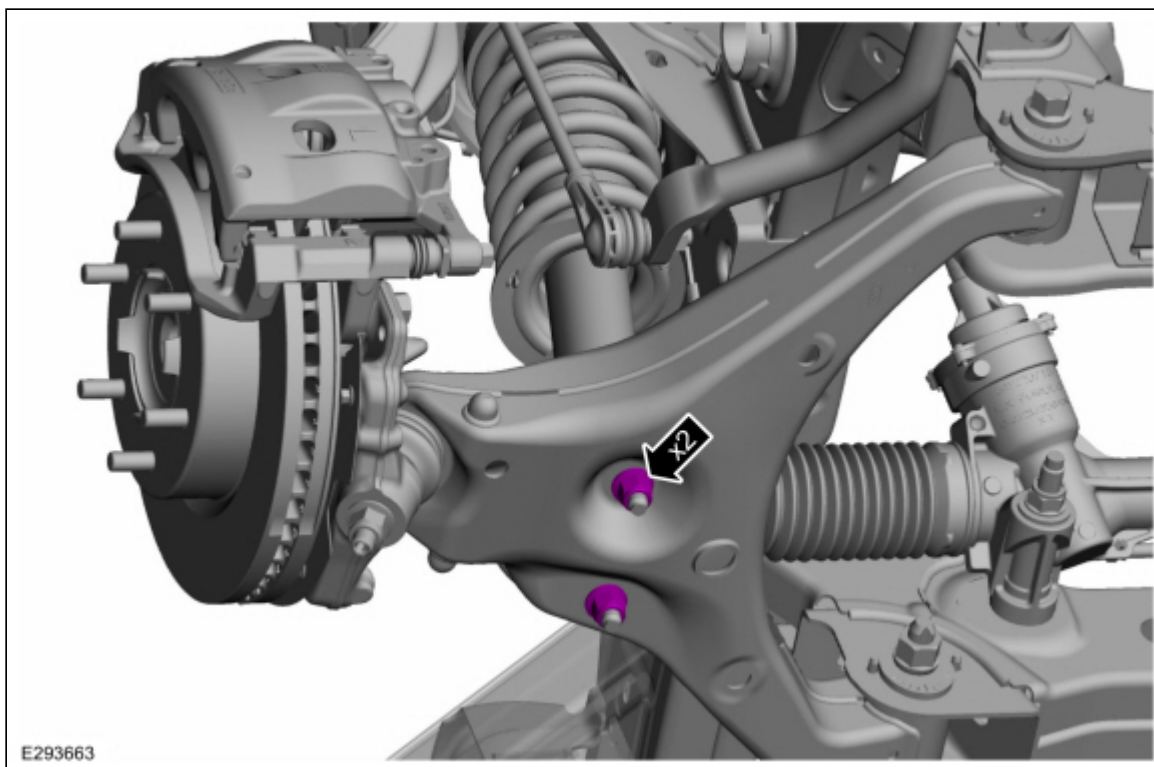
3. Install the new shock absorber and spring assembly upper nuts.
Torque: 41 lb.ft (55 Nm)



4. Install the new upper ball joint nut.
Torque: 46 lb.ft (63 Nm)



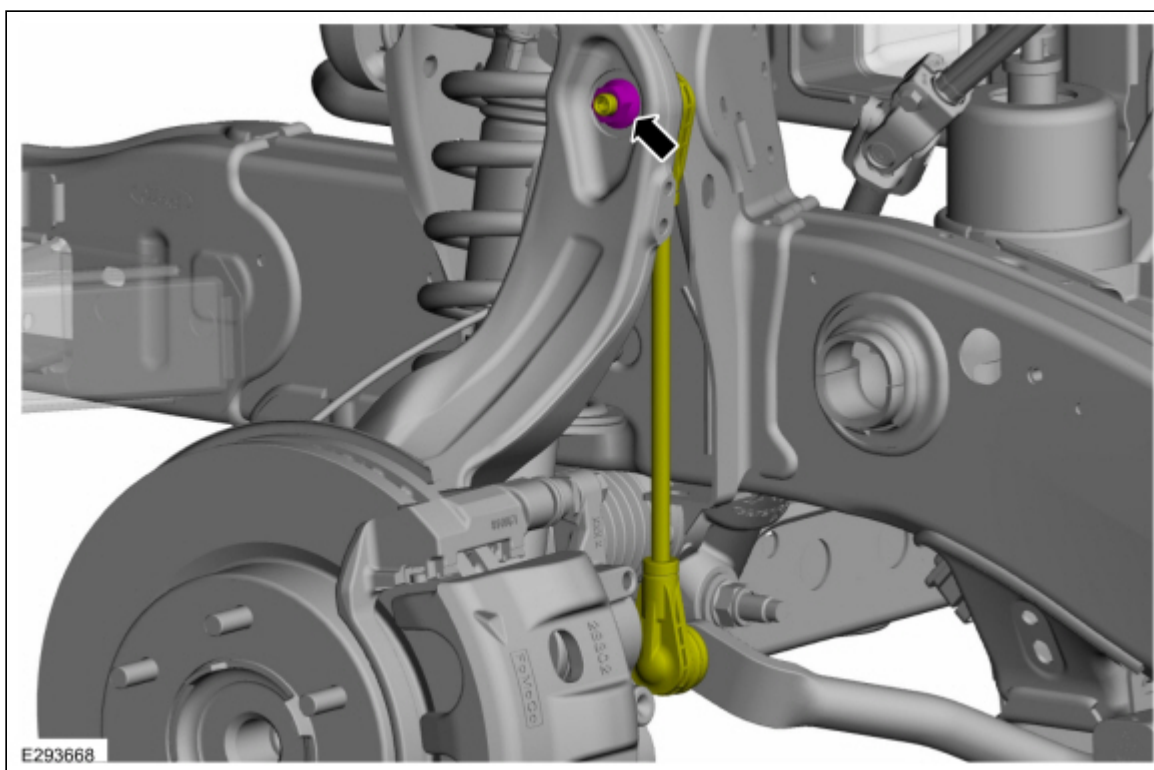
5. Install the new shock absorber and spring assembly lower nuts.
Torque: 66 lb.ft (90 Nm)



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

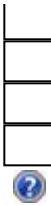
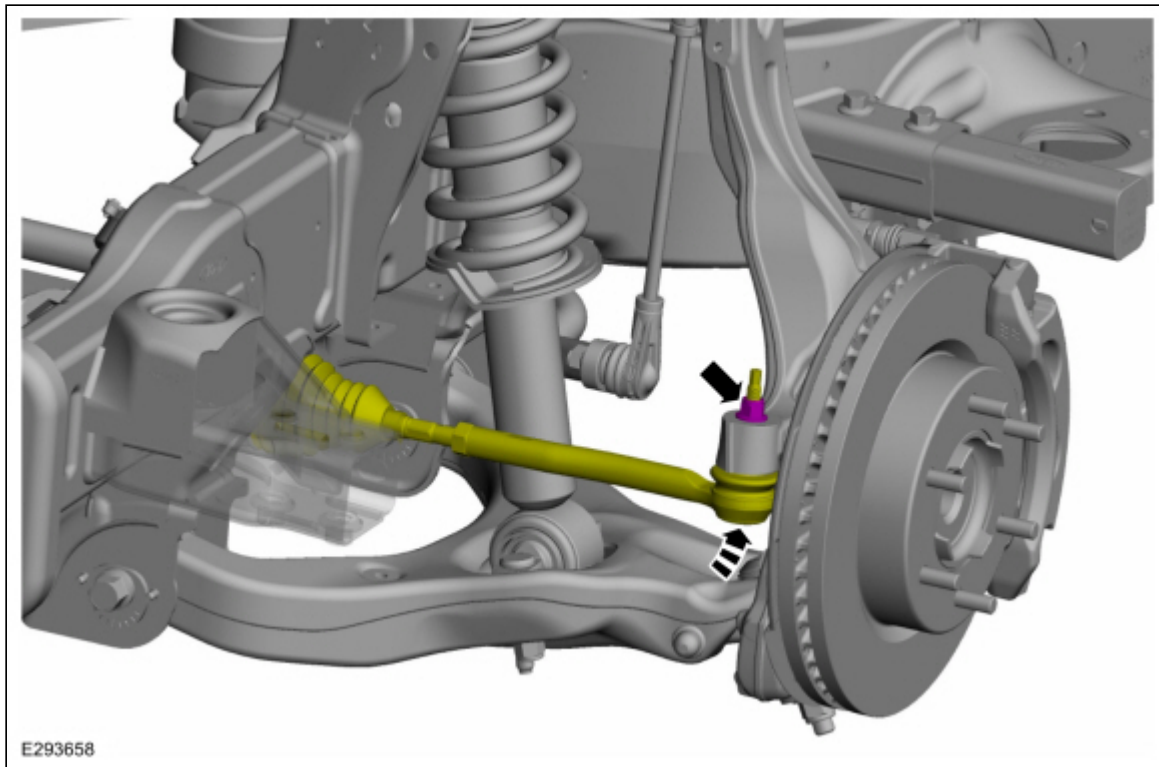
Install the new front stabilizer link upper nut.

Torque: 85 lb.ft (115 Nm)



7. Position the tie rod end and install the new tie rod end nut.

Torque: 35 lb.ft (48 Nm)



8. Install the front wheel speed sensor.
Refer to: [Front Wheel Speed Sensor](#) (206-09 Anti-Lock Brake System (ABS) and Stability Control, Removal and Installation).
9. Install the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
10. Check and if necessary adjust front camber.
Refer to: [Front Camber and Caster Adjustment](#) (204-00 Suspension System - General Information, General Procedures).
11. Check and if necessary adjust front toe.
Refer to: [Front Toe Adjustment](#) (204-00 Suspension System - General Information, General Procedures).

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