


204-01B Front Suspension - 4WD
Removal and Installation

2019 Ranger
Procedure revision date: 11/27/2018

Upper Arm

Base Part Number: 3082

Special Tool(s) / General Equipment

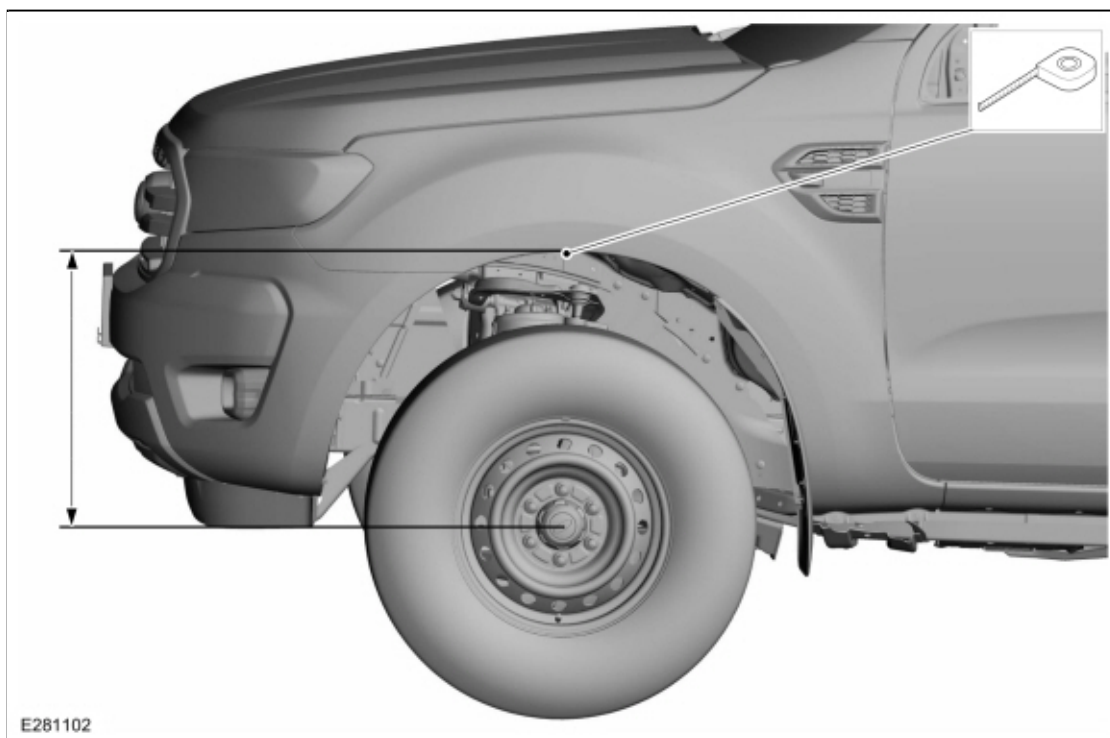
	204-592 Separator, Lower Arm Ball Joint TKIT-2006C-FFMFLM TKIT-2006C-LM TKIT-2006C-ROW
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Removal

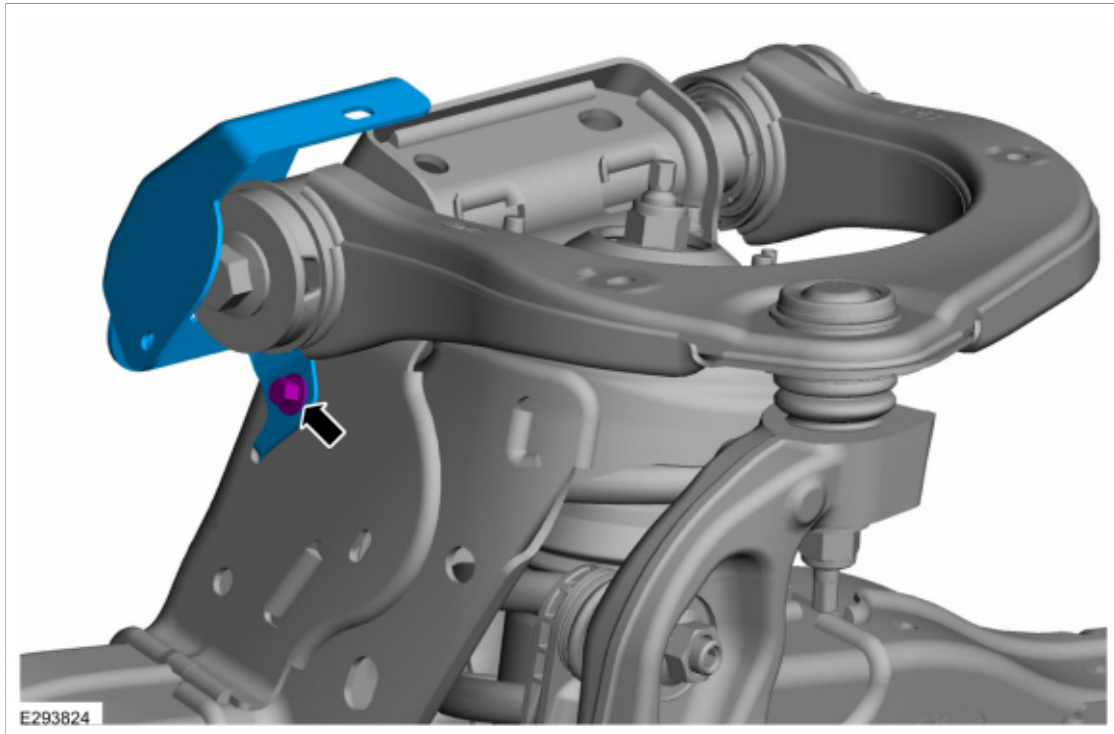
NOTICE: Suspension fasteners are critical parts that affect the performance of vital components and systems. Failure of these fasteners may result in major service expense. Use the same or equivalent parts if replacement is necessary. Do not use a replacement part of lesser quality or substitute design. Tighten fasteners as specified.

NOTE: Removal steps in this procedure may contain installation details.

1. Measure the distance from the center of the hub to the lip of the fender with the vehicle in a level, static ground position (curb height).

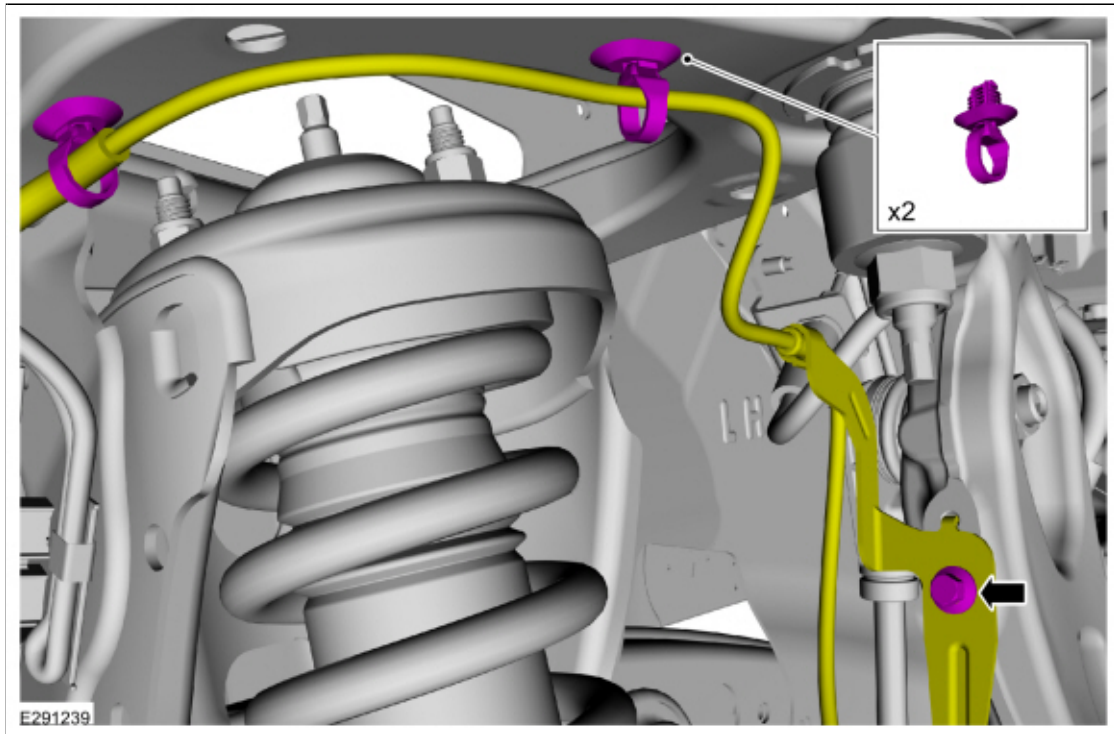


2. Remove the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
3. If equipped.
Remove the upper arm shield nut and shield.

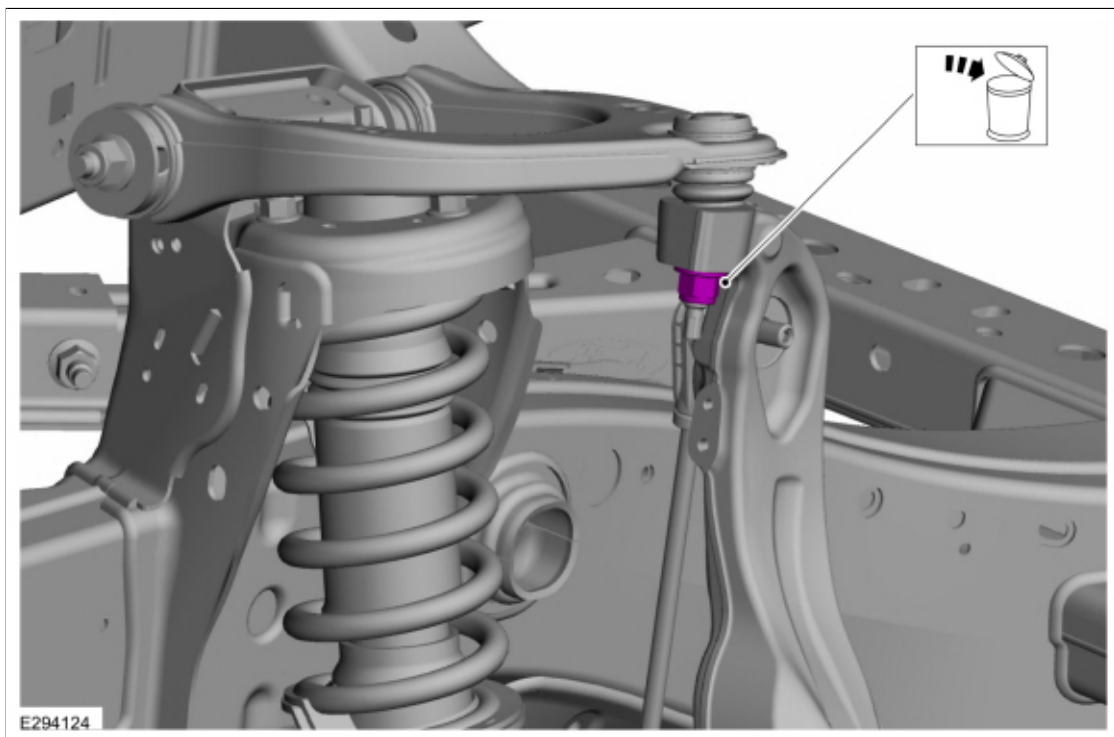


4. Detach the harness pin-type retainers and remove the harness routing bracket bolt.





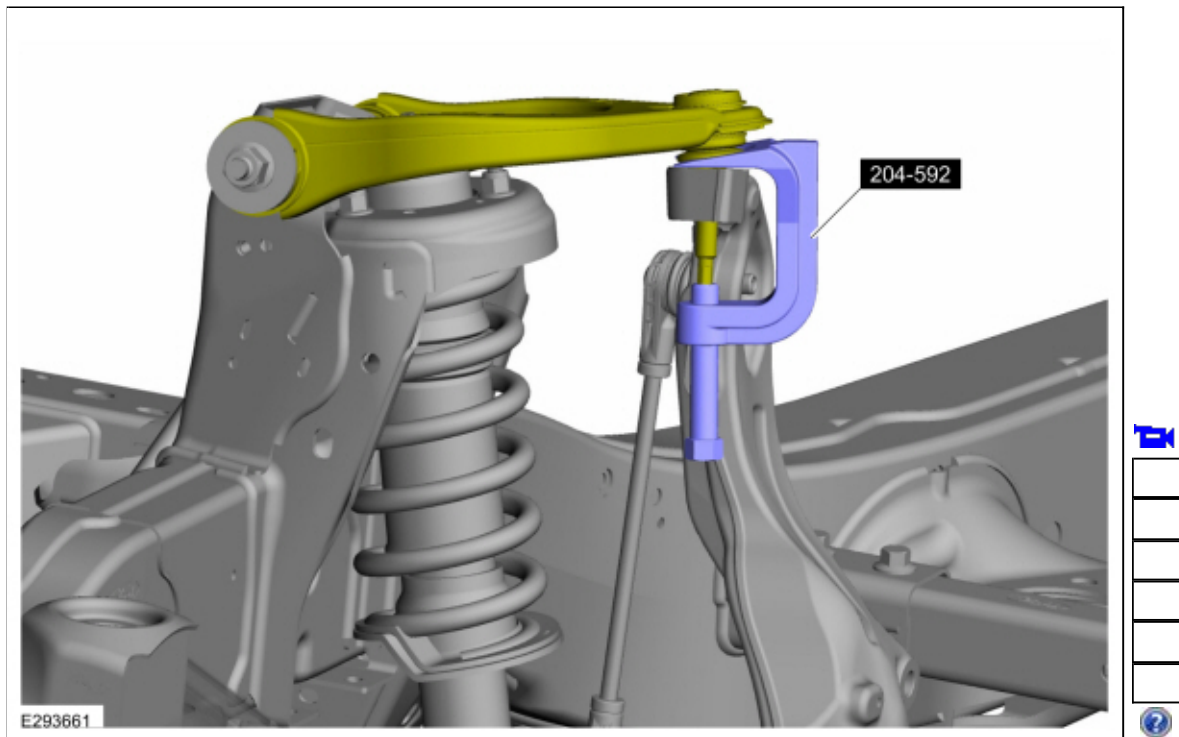
5. Remove and discard the upper arm ball joint nut.



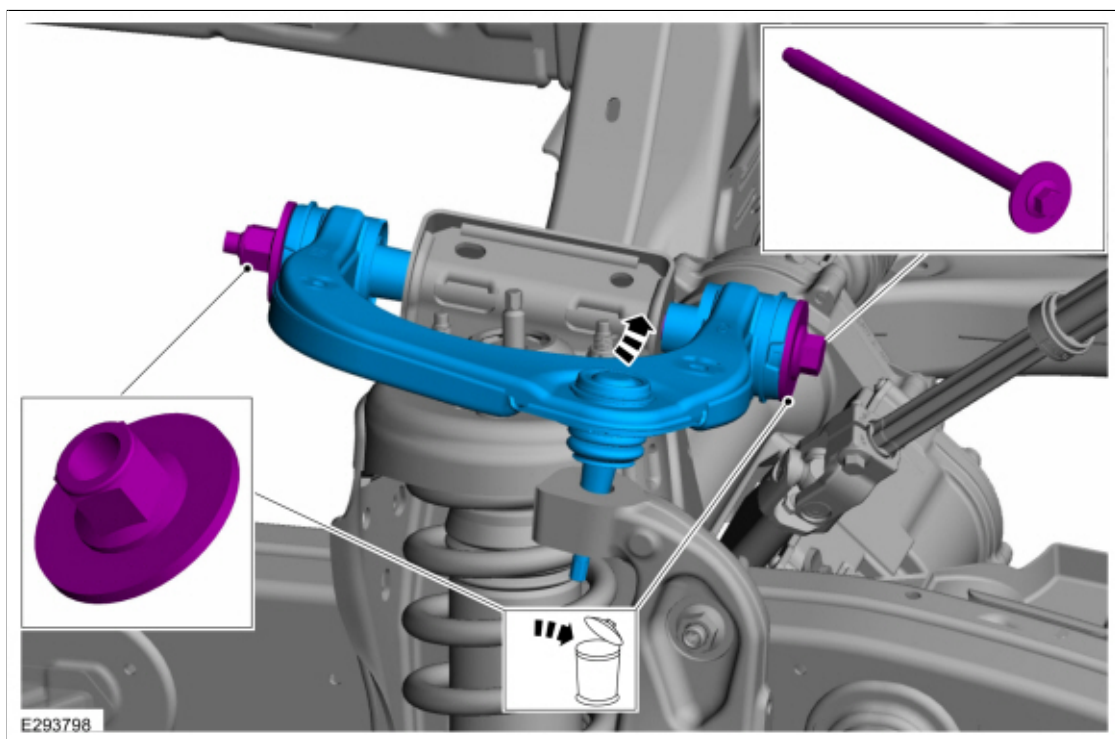
6. **NOTE:** Be sure not to damage the ball joint boot when installing the Ball Joint Separator.

Separate the upper ball joint from the wheel knuckle.

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



7. Remove and discard the upper arm bolt and nut and remove the upper arm.

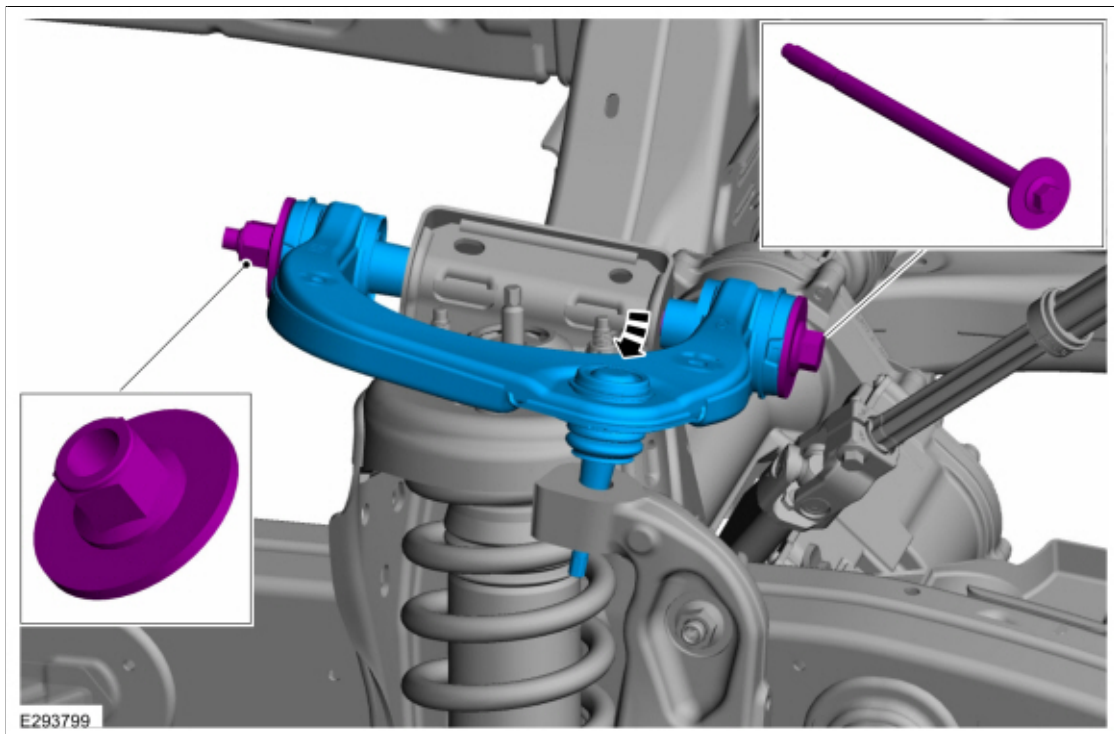


Installation

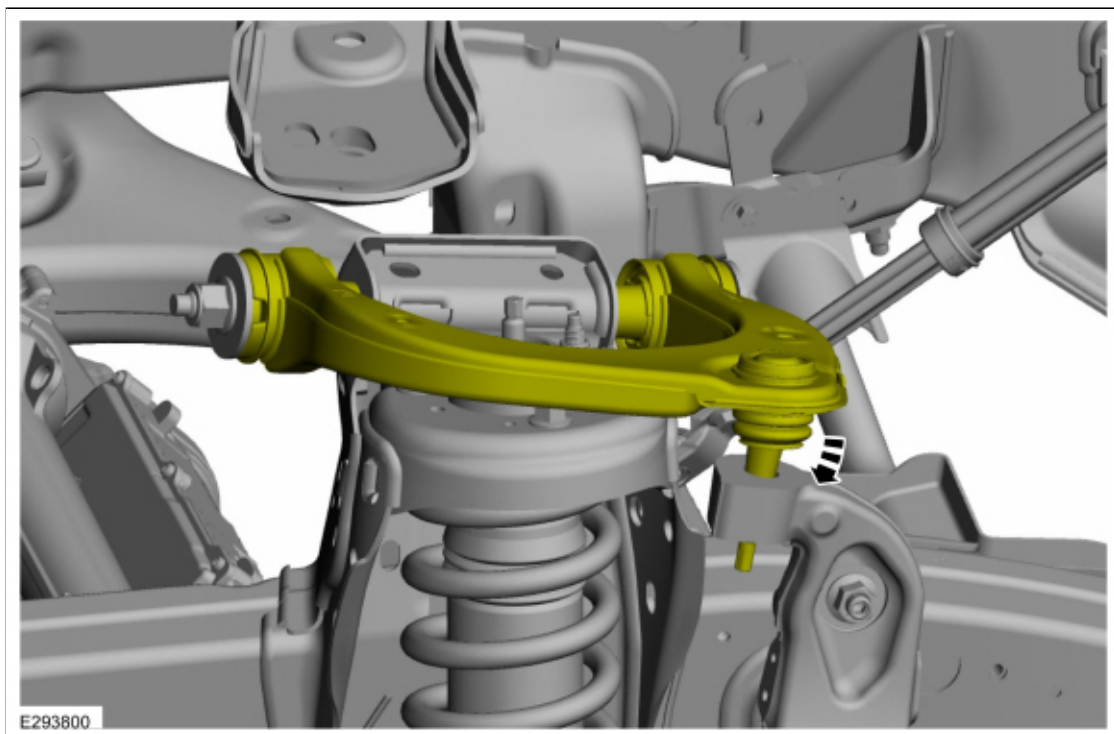
NOTICE: Tighten the suspension bushing fasteners with the suspension loaded or with the weight of the vehicle resting on the wheels and tires, otherwise incorrect clamp load and bushing damage may occur.

1. **NOTE:** Only tighten the bolt and nut finger tight at this stage.

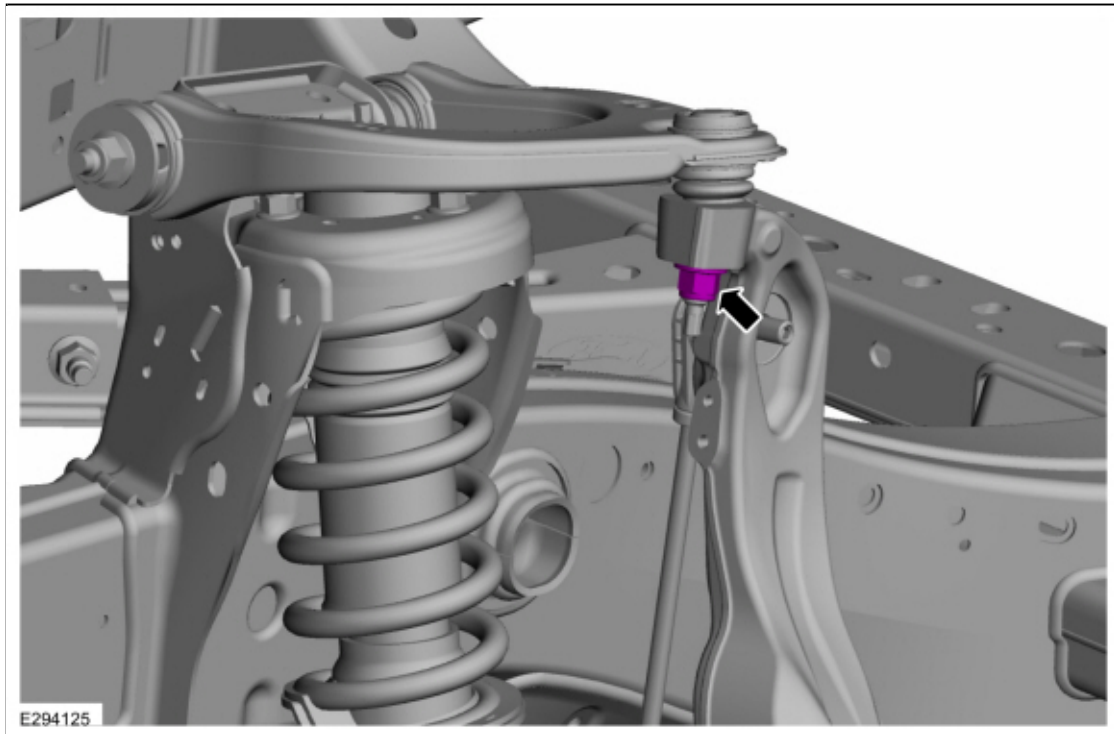
Position the upper arm and install the new upper arm bolt and nut.



2. Attach the upper ball joint to the wheel knuckle.

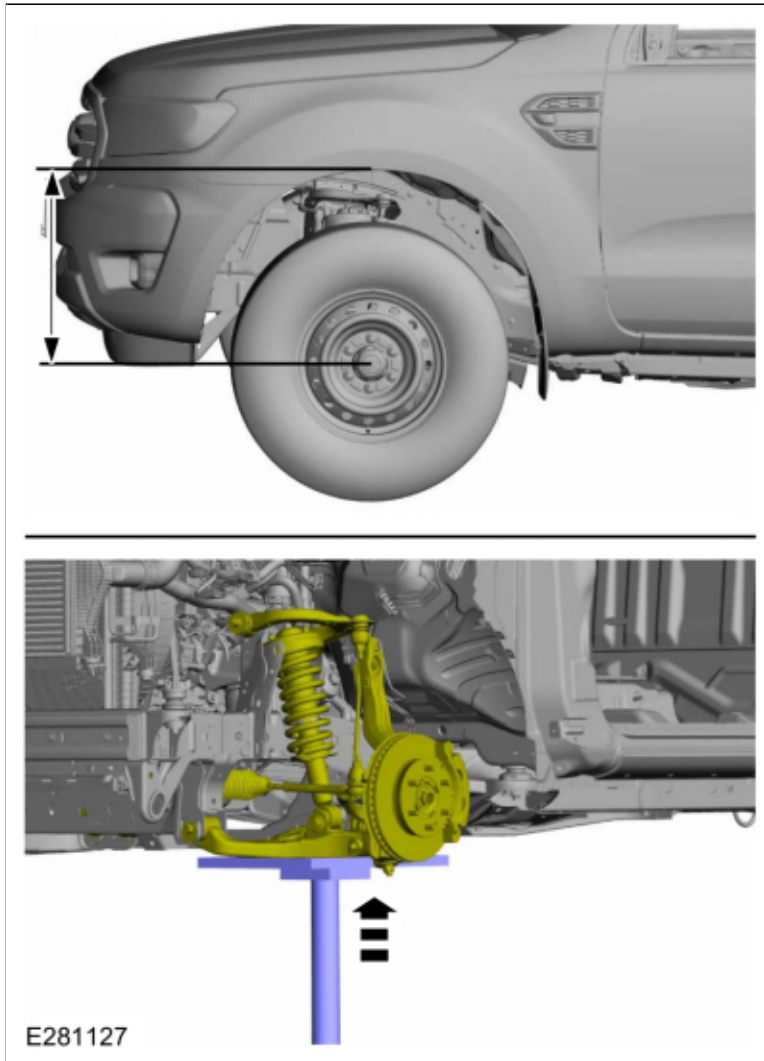


3. Install the new upper arm ball joint nut.
Torque: 46 lb.ft (63 Nm)

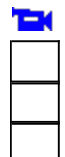


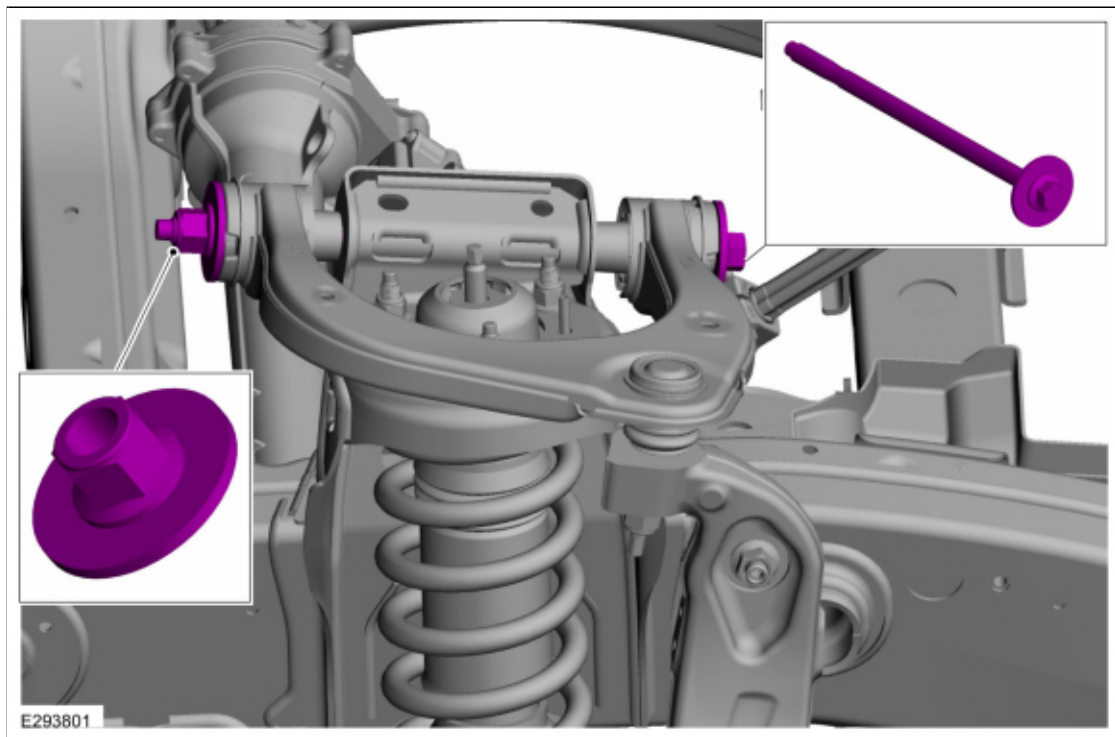
4. Use a suitable jack to raise the suspension until the distance between the center of the hub and the lip of the fender is equal to the measurement taken during removal (curb height).



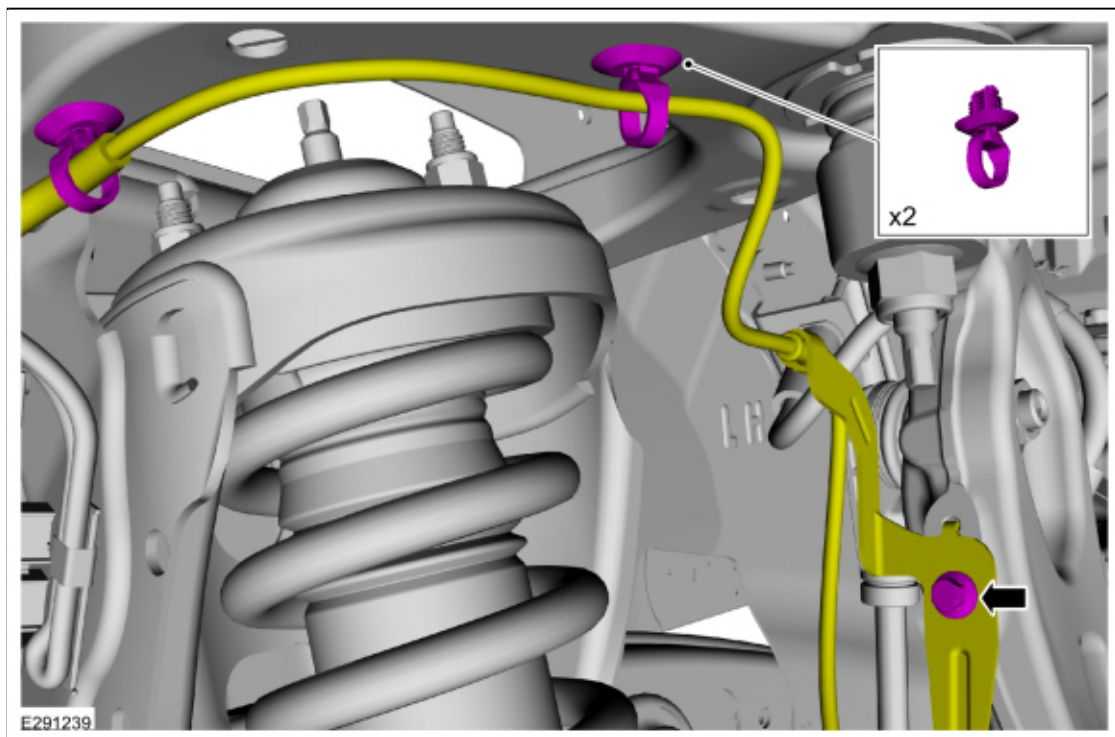


5. Tighten the new upper arm bolt and nut.
Torque: 122 lb.ft (165 Nm)

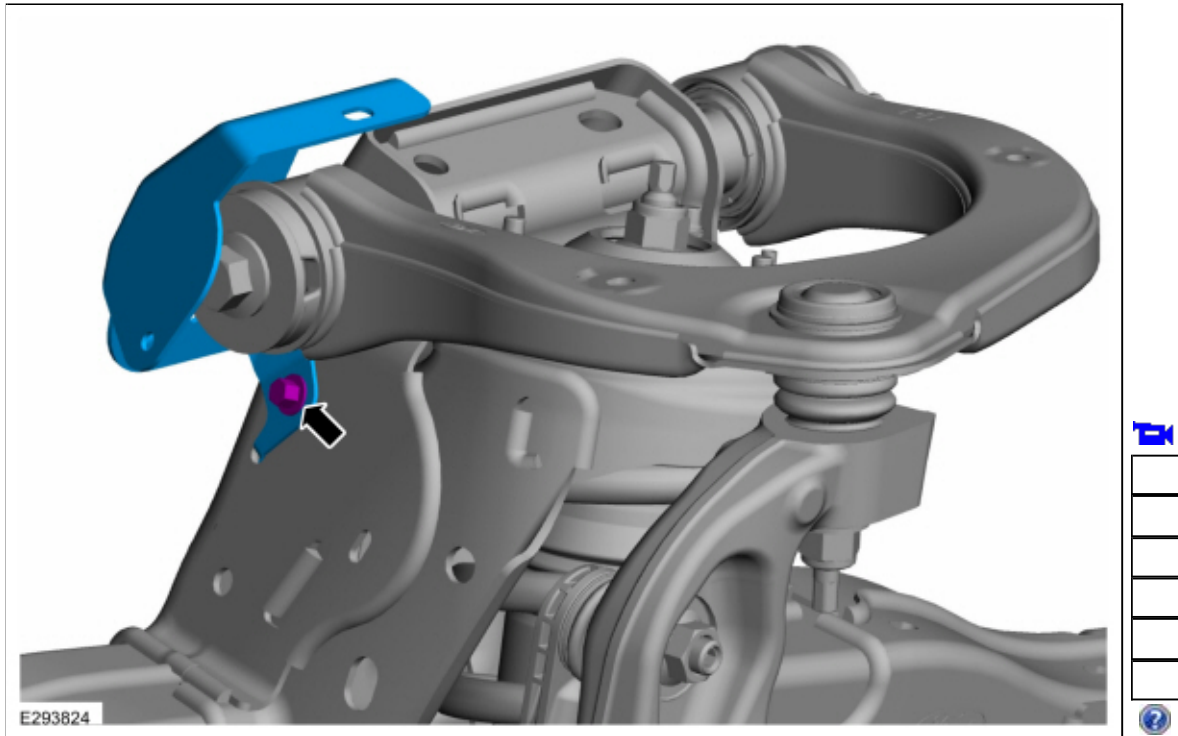




6. Attach the harness pin-type retainers and install the harness routing bracket bolt.
Torque: 53 lb.in (6 Nm)



7. If equipped.
 Install the upper arm shield and tighten the shield nut.
Torque: 80 lb.in (9 Nm)



8. Install the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
9. Check and if necessary adjust front camber.
Refer to: [Front Camber and Caster Adjustment](#) (204-00 Suspension System - General Information, General Procedures).
10. Check and if necessary adjust front toe.
Refer to: [Front Toe Adjustment](#) (204-00 Suspension System - General Information, General Procedures).

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