


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

2019 Ranger  
Procedure revision date: 11/27/2018

### Lower Arm

Base Part Number: 3051

#### Special Tool(s) / General Equipment

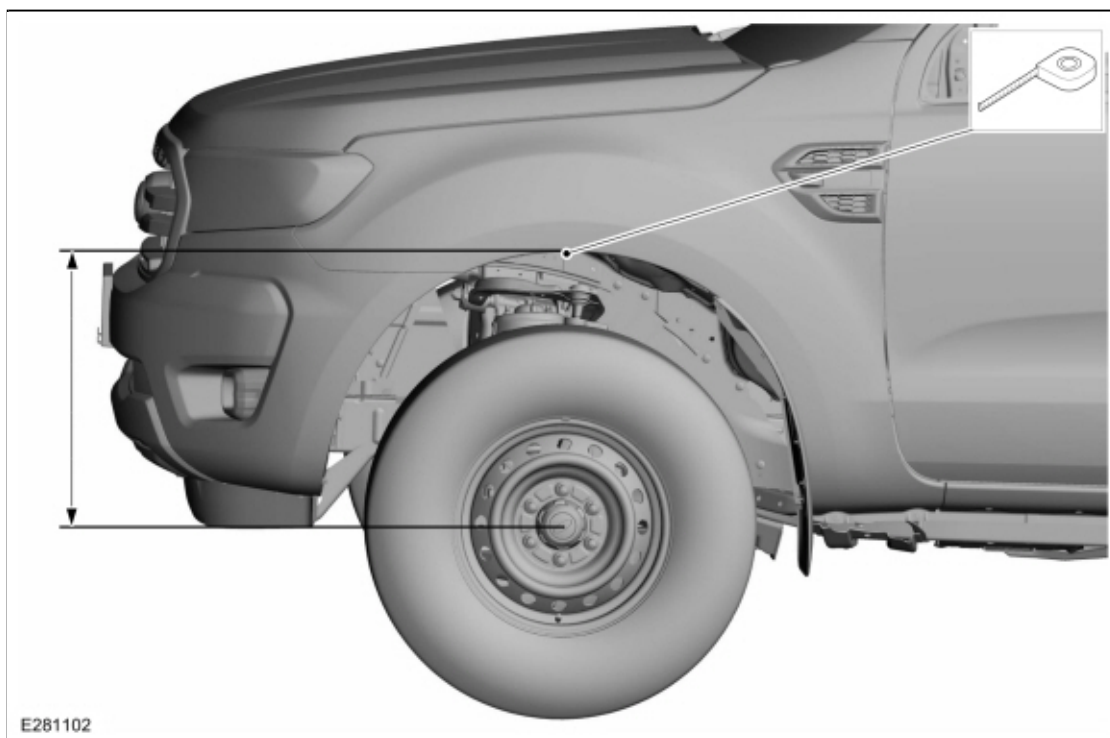
	<a href="#">204-592</a> Separator, Lower Arm Ball Joint TKIT-2006C-FFMFLM TKIT-2006C-LM TKIT-2006C-ROW
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#### Removal

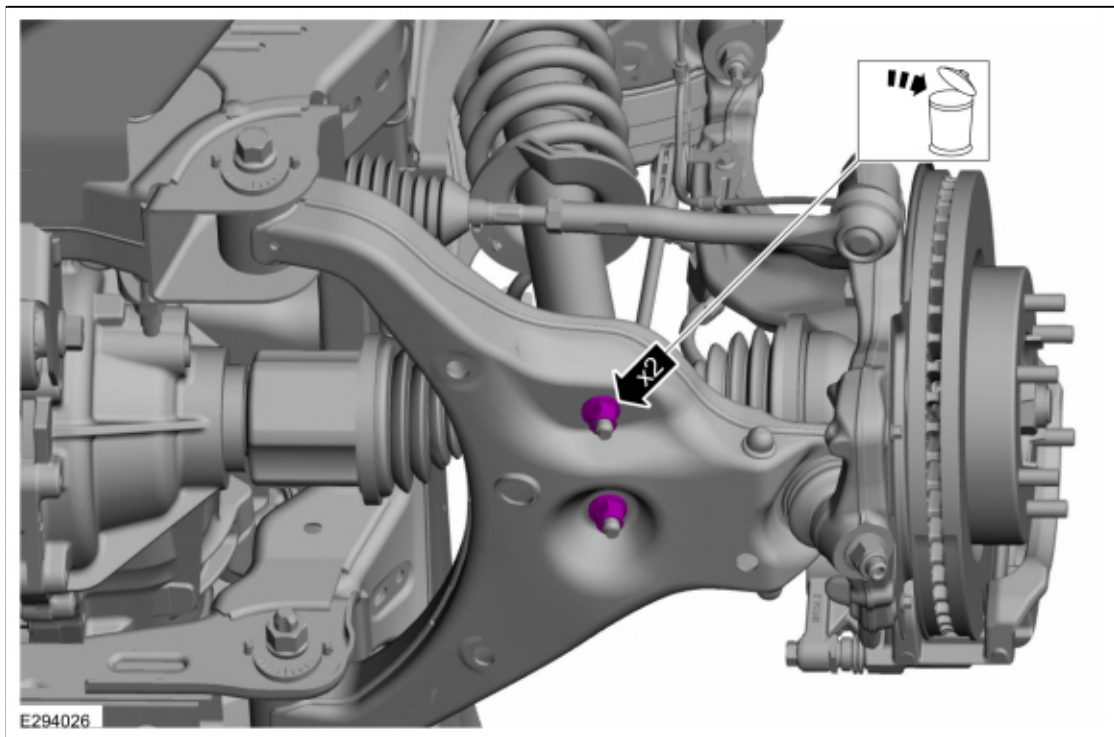
**NOTICE:** Suspension fasteners are critical parts that affect the performance of vital components and systems. Failure of these fasteners may result in major service expense. Use the same or equivalent parts if replacement is necessary. Do not use a replacement part of lesser quality or substitute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

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

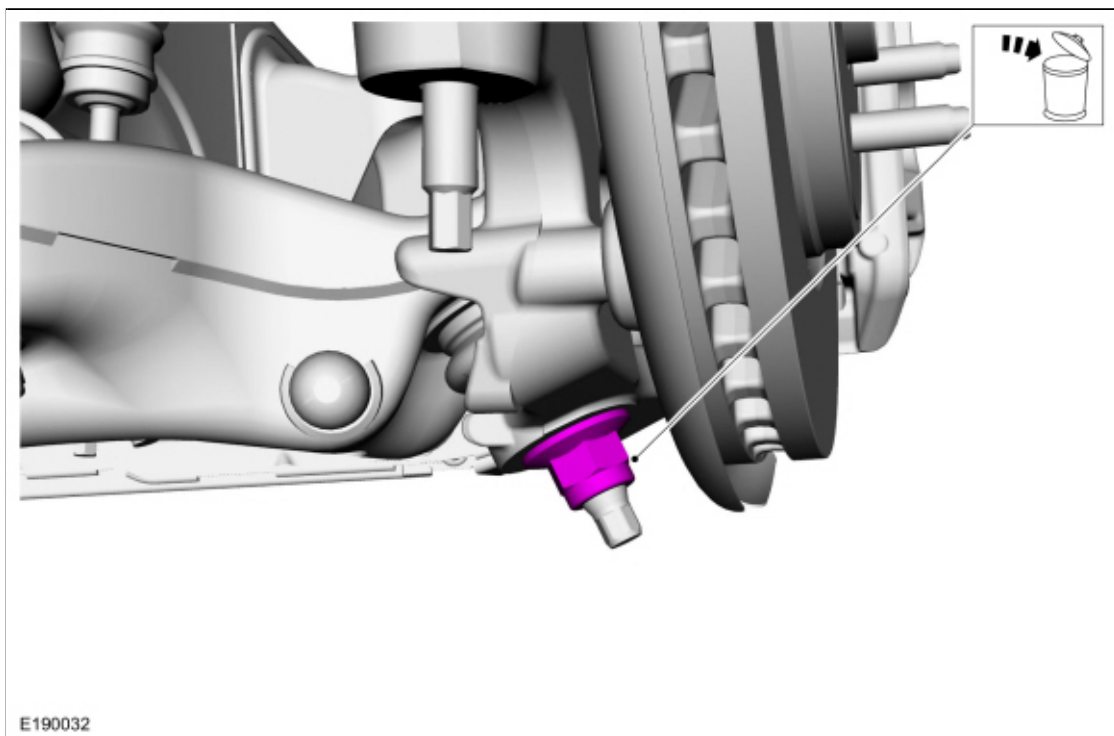
1. Measure the distance from the center of the hub to the lip of the fender with the vehicle in a level, static ground position (curb height).



2. Remove the wheel and tire.  
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
3. Remove and discard the shock absorber and spring assembly lower nuts.



4. Remove and discard the lower ball joint nut.



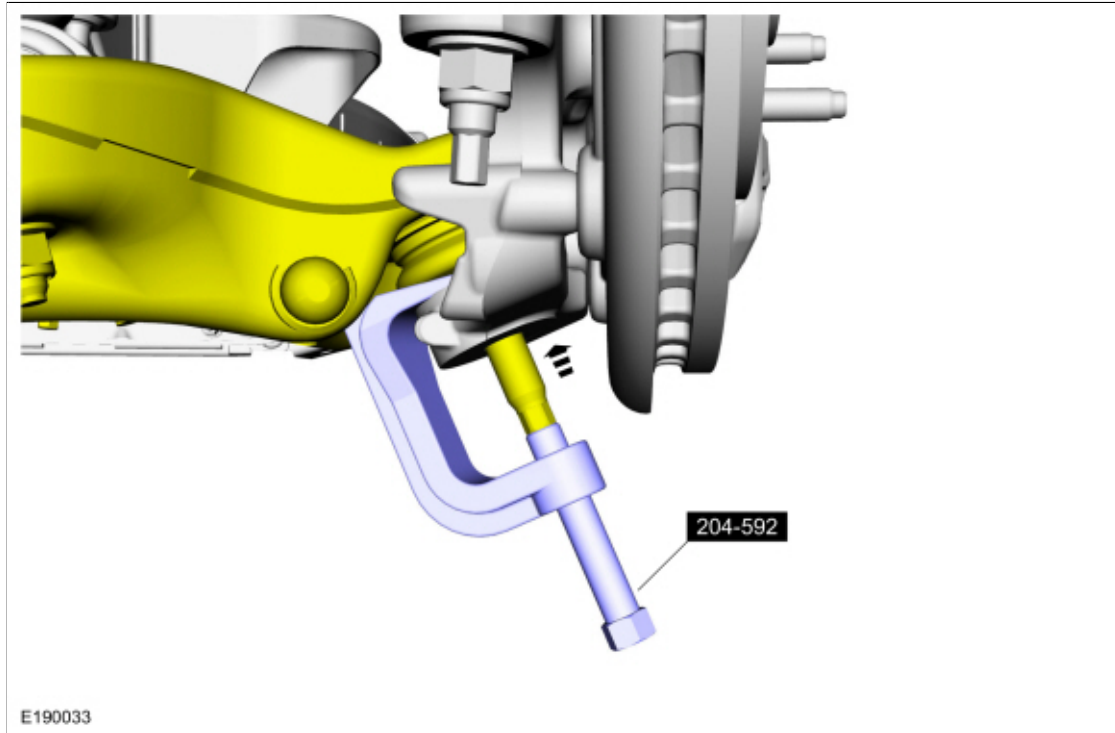
5. **NOTICE:** Do not use a prying device or separator fork between the ball joint and the wheel knuckle. Damage to the ball joint or ball joint seal may result.

**NOTICE:** Use care when releasing the lower arm and wheel knuckle into the resting position or damage to the ball joint seal may occur.

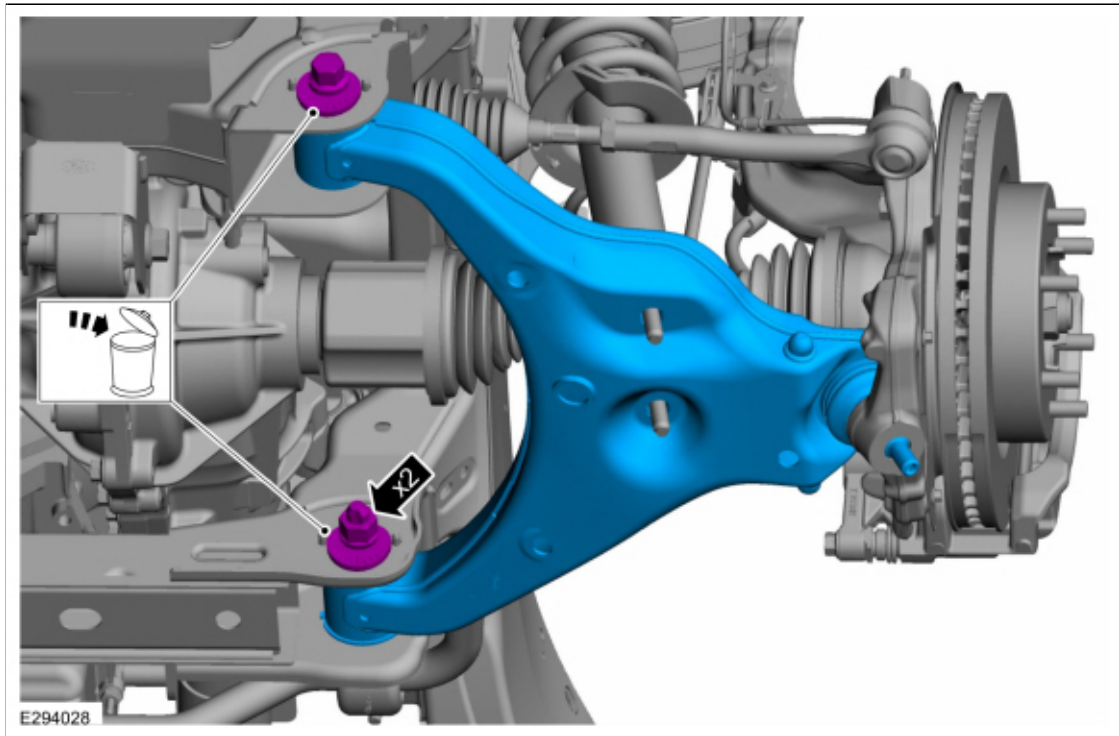
**NOTICE:** Do not damage the ball joint boot while installing the special tool.

Separate the lower ball joint from the wheel knuckle.

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



6. Remove and discard the lower arm bolts nuts and remove the lower arm.



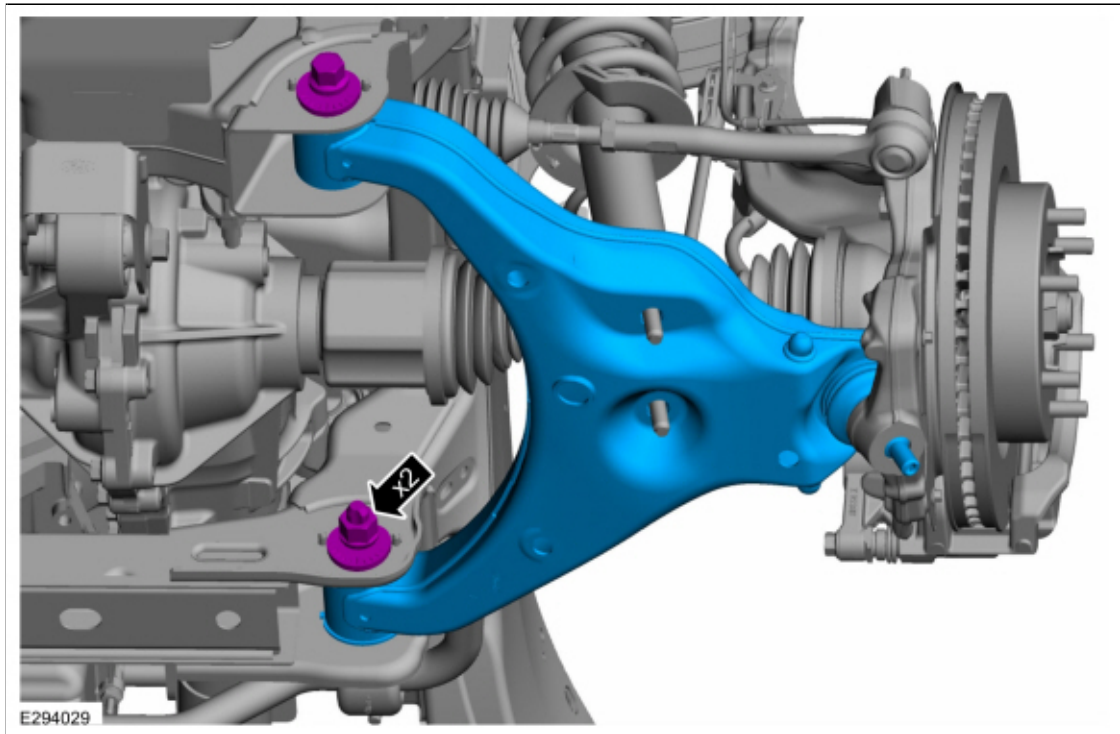
### Installation

**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.

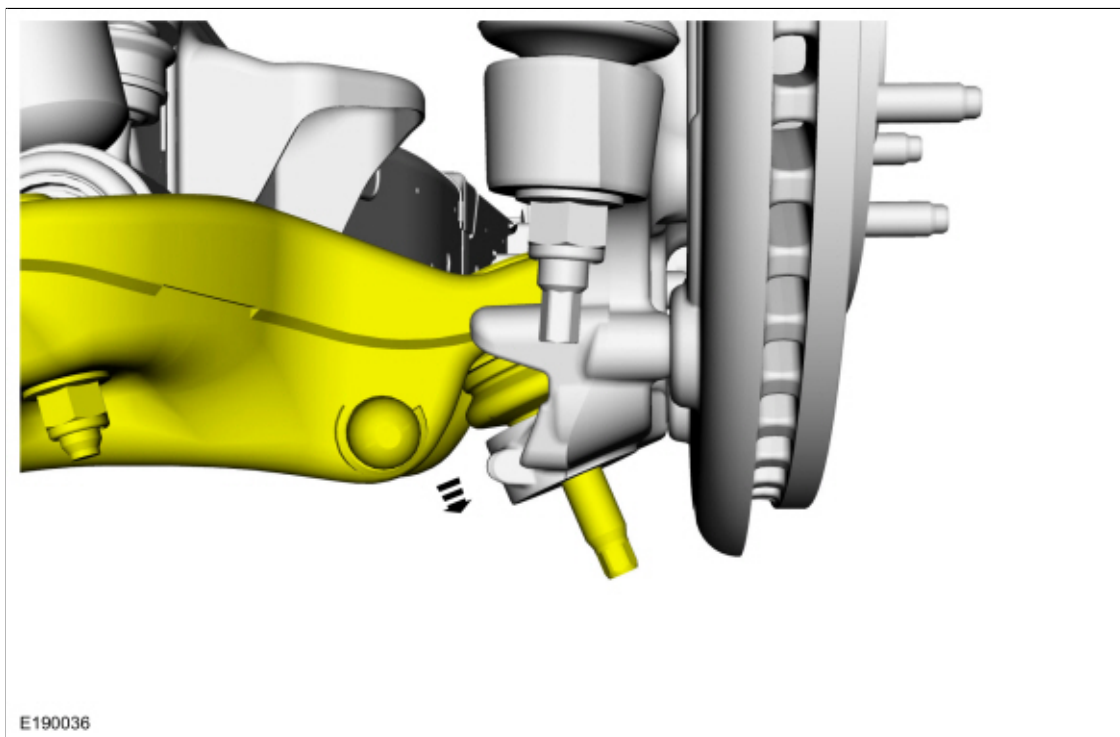
1. **NOTE:** Only tighten the bolts nuts finger tight at this stage.

Position the lower arm and install the new lower arm bolts nuts.

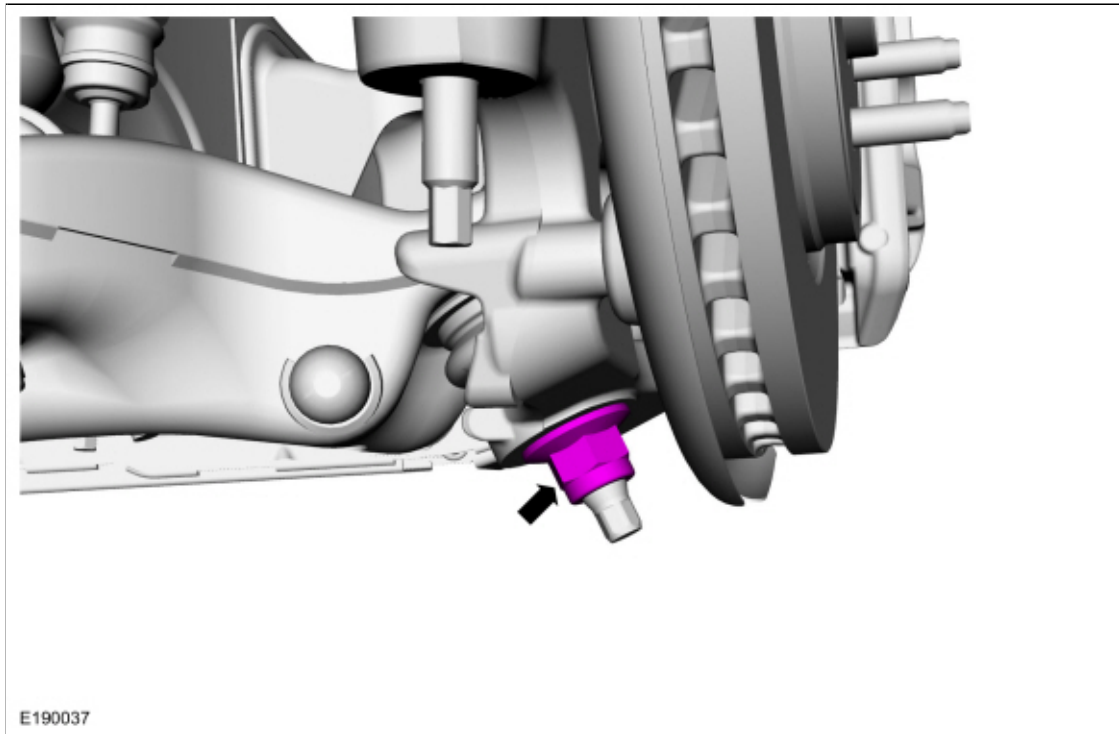




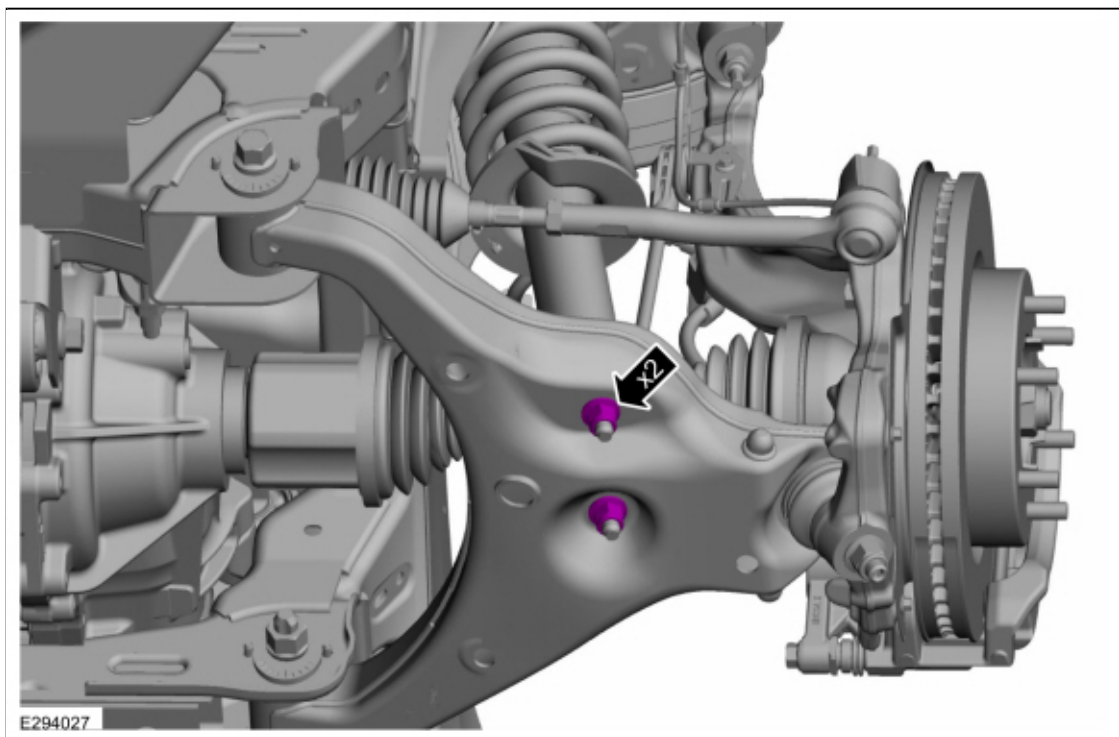
2. Attach the lower ball joint to the wheel knuckle.



3. Install the new lower ball joint nut.  
Torque: 76 lb.ft (103 Nm)

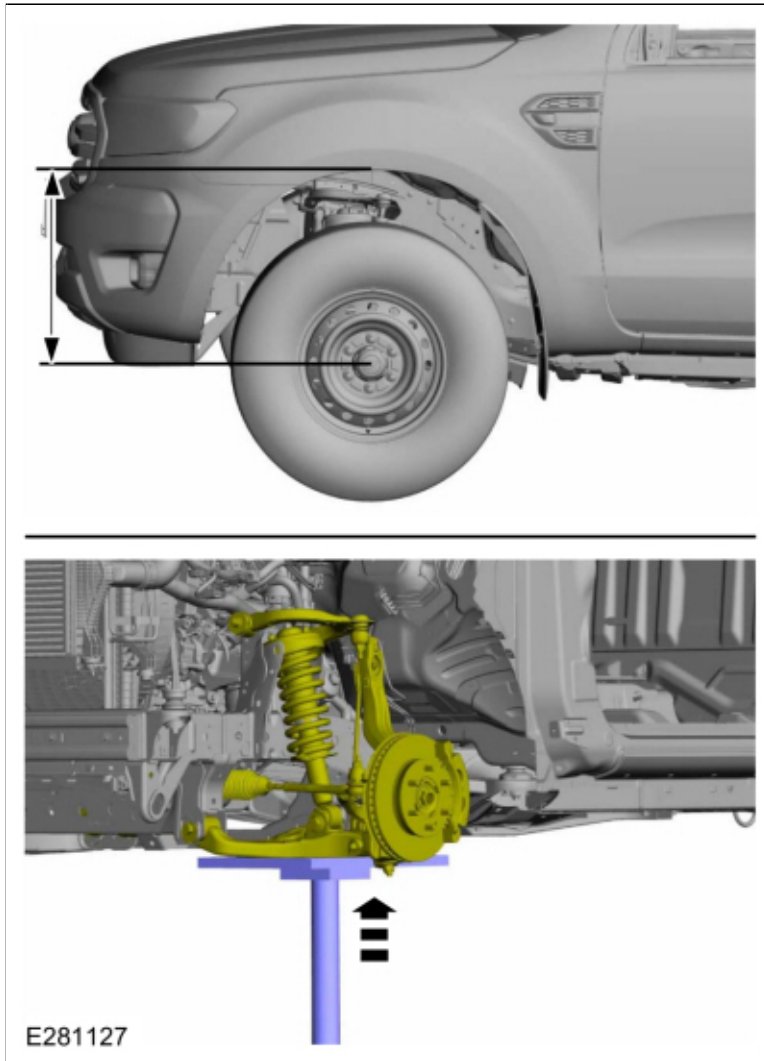


4. Install the new shock absorber and spring assembly lower nuts.  
Torque: 66 lb.ft (90 Nm)



5. 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).

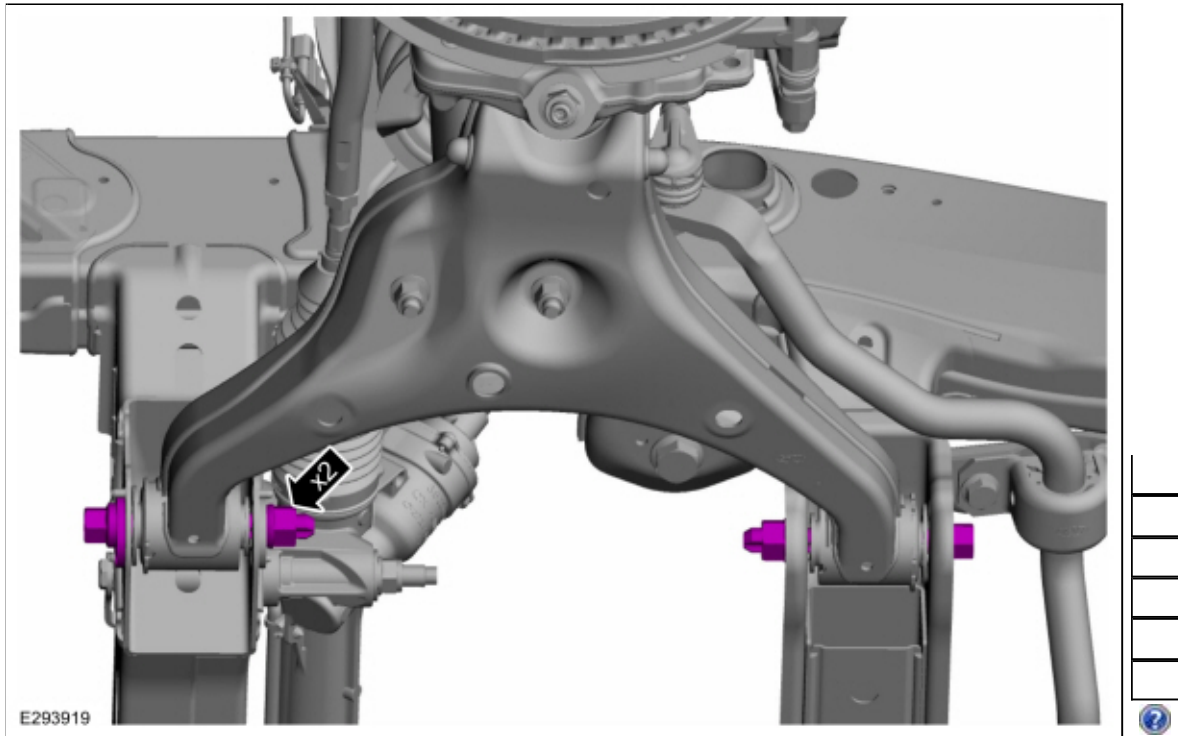




6. **NOTICE:** Tighten the lower arm bolt and nuts with the weight of the vehicle on the wheels and tires or damage to the bushings may occur.

Tighten the new lower arm bolts nuts.  
*Torque:* 195 lb.ft (265 Nm)





7. Install the wheel and tire.  
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
8. Check and if necessary adjust front camber.  
Refer to: Camber and Caster Adjustment (204-00 Suspension System - General Information - 4WD) .
9. Check and if necessary adjust front camber.  
Refer to: [Front Camber and Caster Adjustment](#) (204-00 Suspension System - General Information, General Procedures).

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