Lower Arm

Special Tool(s)

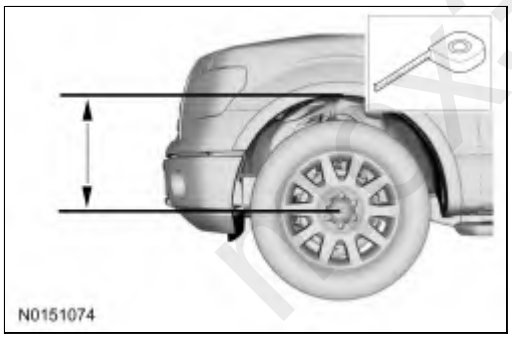
 ST2945-A	Separator, Ball Joint 204-592

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.**

All vehicles

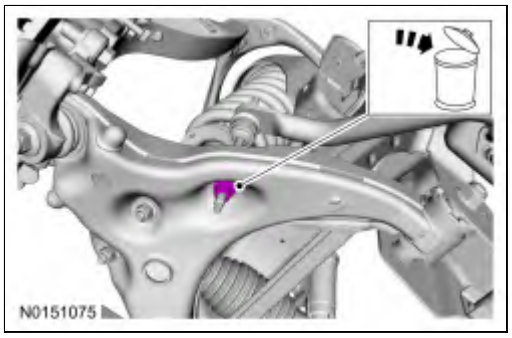
1. Measure the distance from the center of the hub to the lip of the fender with the vehicle in a level, static ground position (curb height).



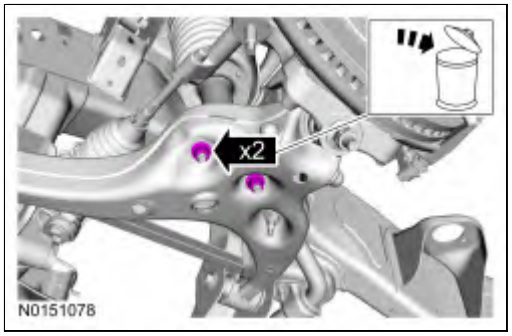
2. Remove the wheel and tire. Refer to Section 204-04 .

All except SVT Raptor

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

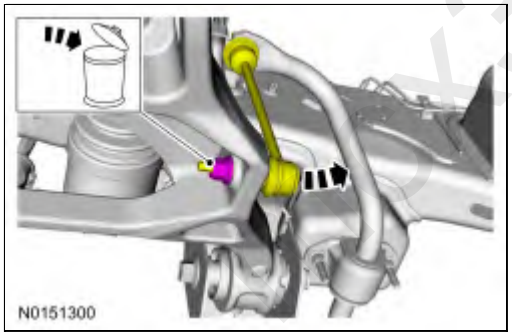


4.

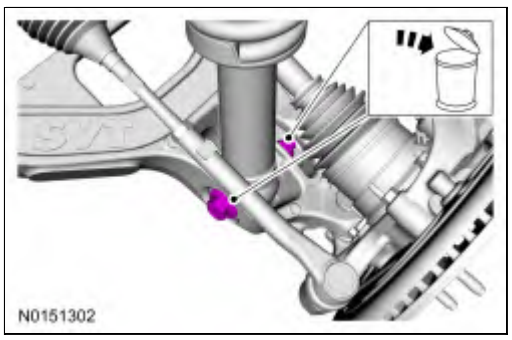


SVT Raptor

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

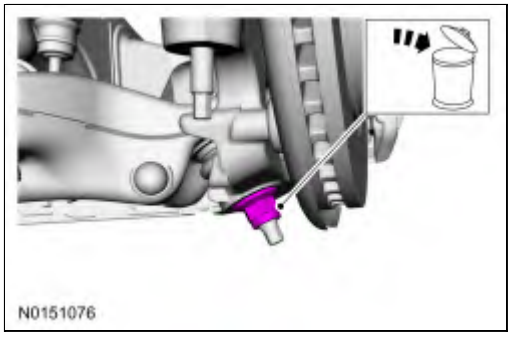


6.



All vehicles

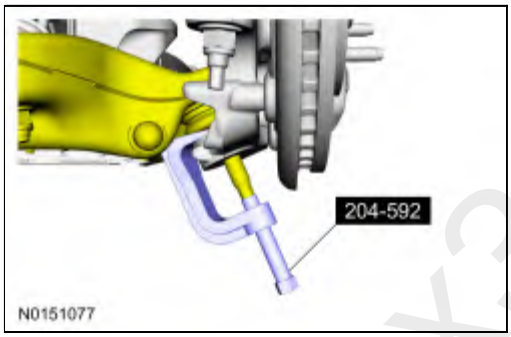
7.



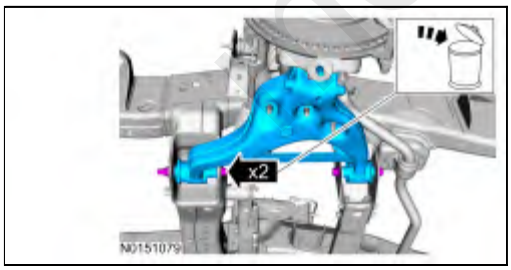
8. ***NOTICE:*** **Do not use a prying device or separator fork between the ball joint and the wheel knuckle. Damage to the ball joint or ball joint seal may result.**

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

   Special Tool(s): Separator, Ball Joint 204-592.



9.



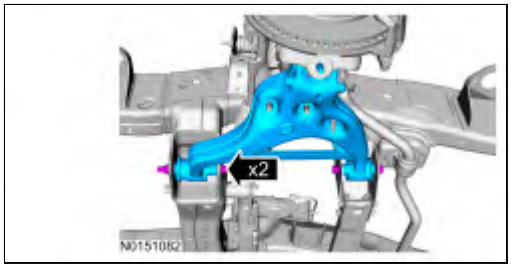
Installation

All vehicles

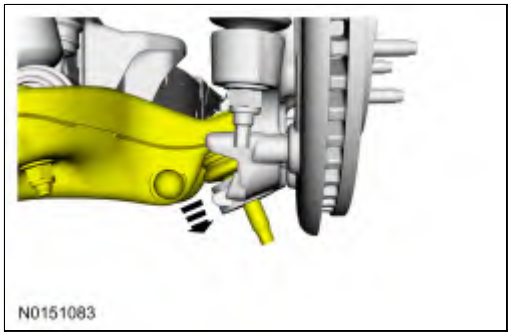
NOTICE: **SVT Raptor: Do not tighten the shock absorber lower nut, lower arm forward nut or lower arm rearward nut until the installation procedure is complete and the weight of the vehicle is resting on the wheel and tire assemblies.**

1. ***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.**

Finger tight at this stage.

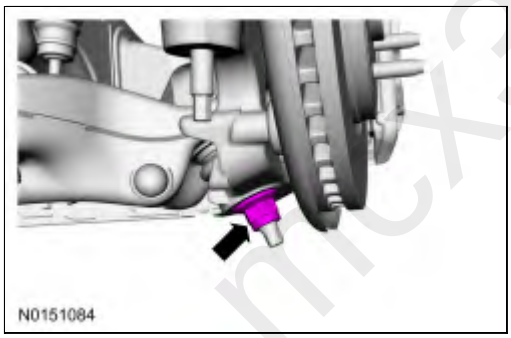


2.



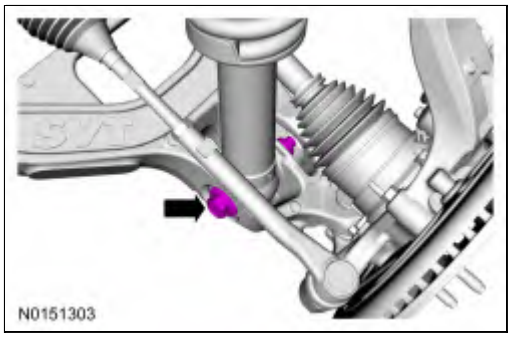
3.

- Tighten to 175 Nm (129 lb-ft).



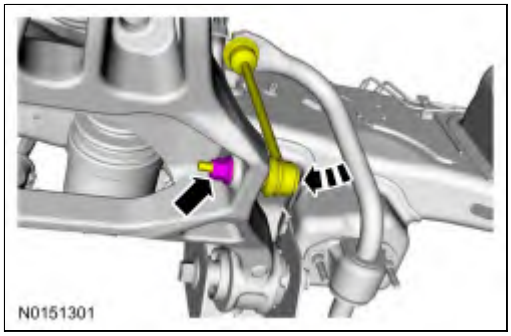
SVT Raptor

4. Finger tight at this stage.



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

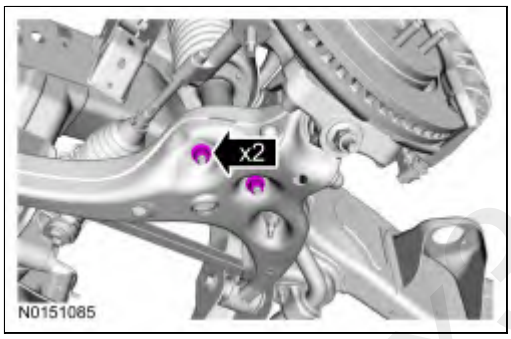
   - Tighten to 80 Nm (59 lb-ft).



All except SVT Raptor

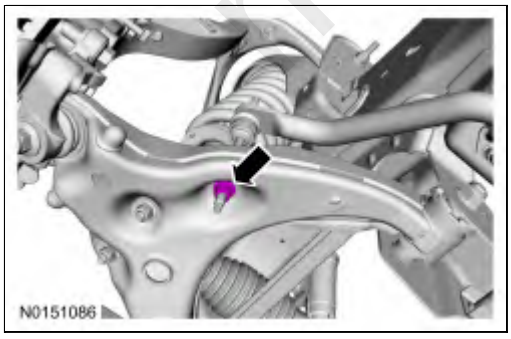
6.

   - Tighten to 90 Nm (66 lb-ft).



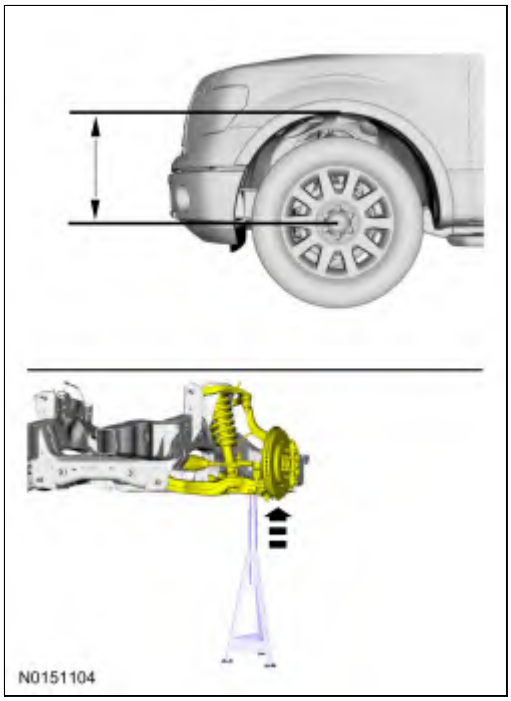
7. **NOTE:** Use the hex-holding feature to prevent the stud from turning while removing the nut.

   - Tighten to 70 Nm (52 lb-ft).



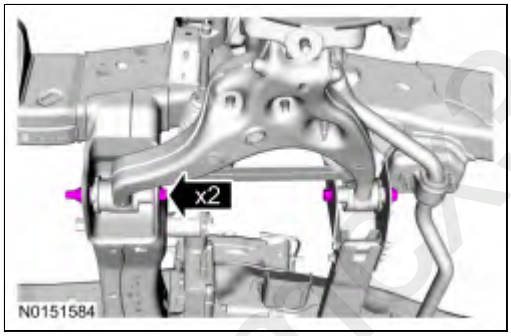
All vehicles

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).



9.

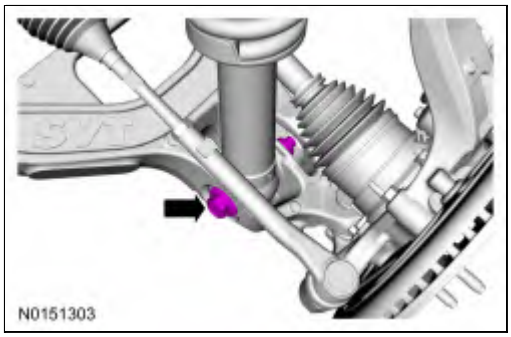
- Tighten to 350 Nm (258 lb-ft).



SVT Raptor

10.

- Tighten to 550 Nm (406 lb-ft).



All vehicles

11. Install the wheel and tire. Refer to Section 204-04 .
12. Check and, if necessary, align the front end. Refer to Section 204-00 .
