

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. Suspension
2. Front Suspension
3. Repair Instructions
- 4.

Front Upper Control Arm Replacement

Removal Procedure

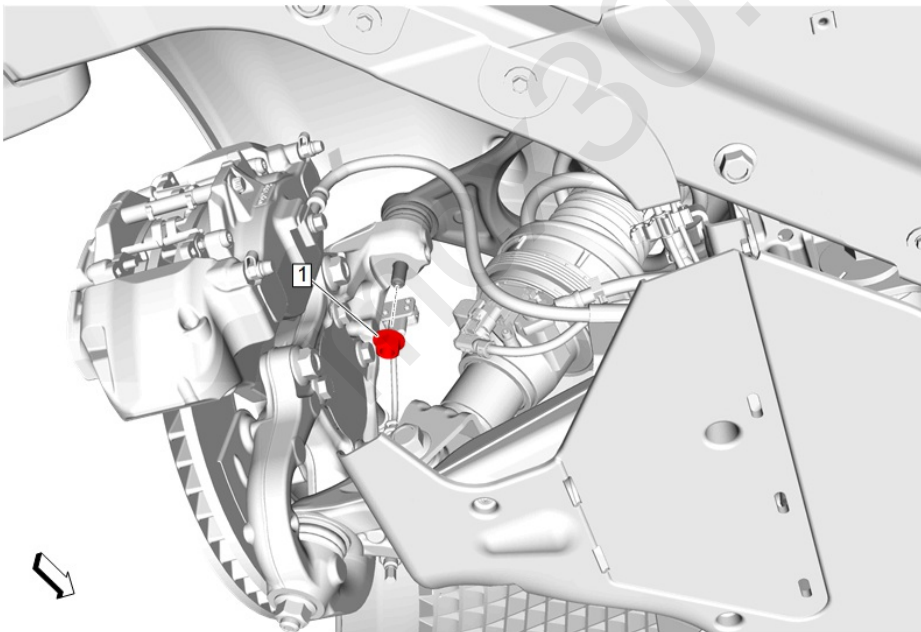
1. Raise and support the vehicle. Lifting and Jacking the Vehicle
2. Remove the front tire and wheel assembly. Tire and Wheel Removal and Installation
3. Caution:

When working around ball joints, visually inspect the ball joint boots before and after service work is performed to ensure no damage has occurred. If damage to the boot is observed, the ball joint must be replaced.

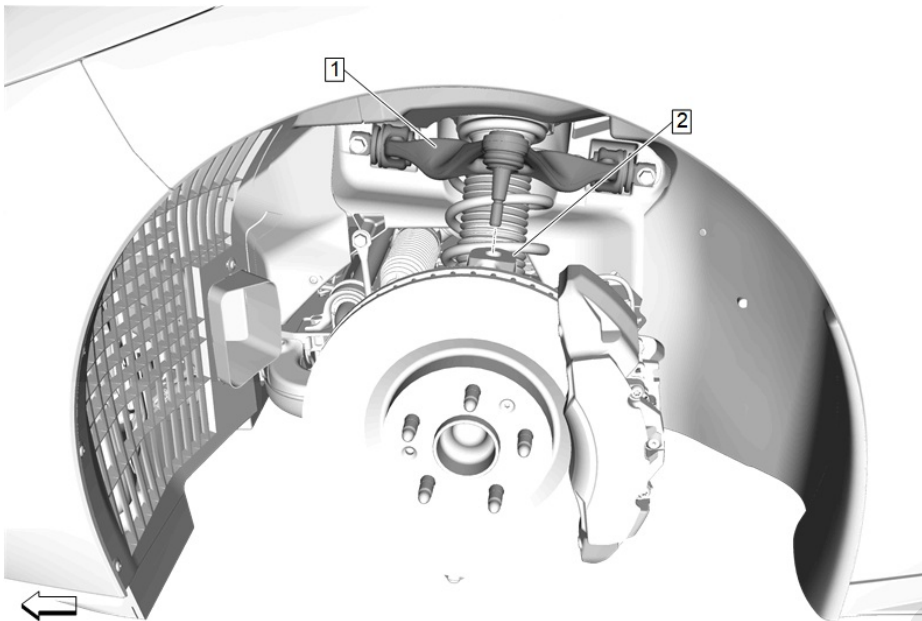
4. Note:

Support the front steering knuckle assembly to prevent over-articulation of the ball joints.

5. Support the front steering knuckle with a suitable jack stand or equivalent.

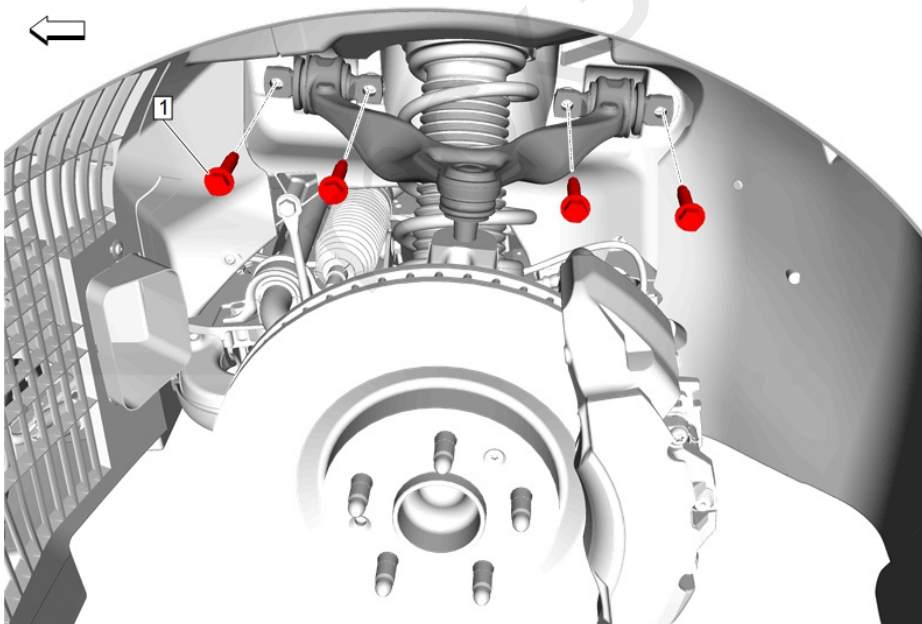


6.
[Click here for full size](#)
7. Front Upper Control Arm Ball Stud Nut (1) >> Remove



8.
[Click here for full size](#)

9. Front Upper Control Arm (1) @ Steering Knuckle (2) >> Remove

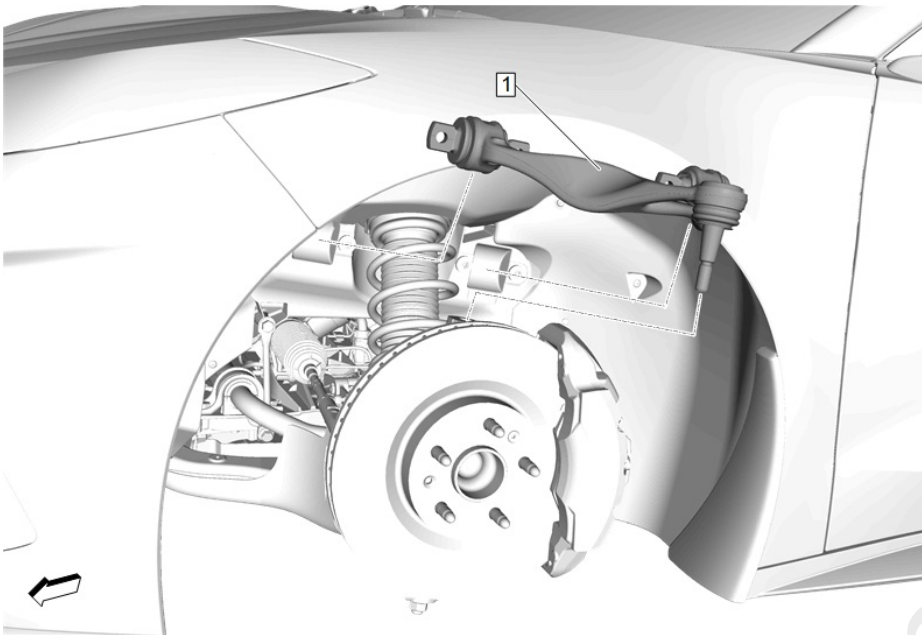


10.
[Click here for full size](#)

11. Caution:

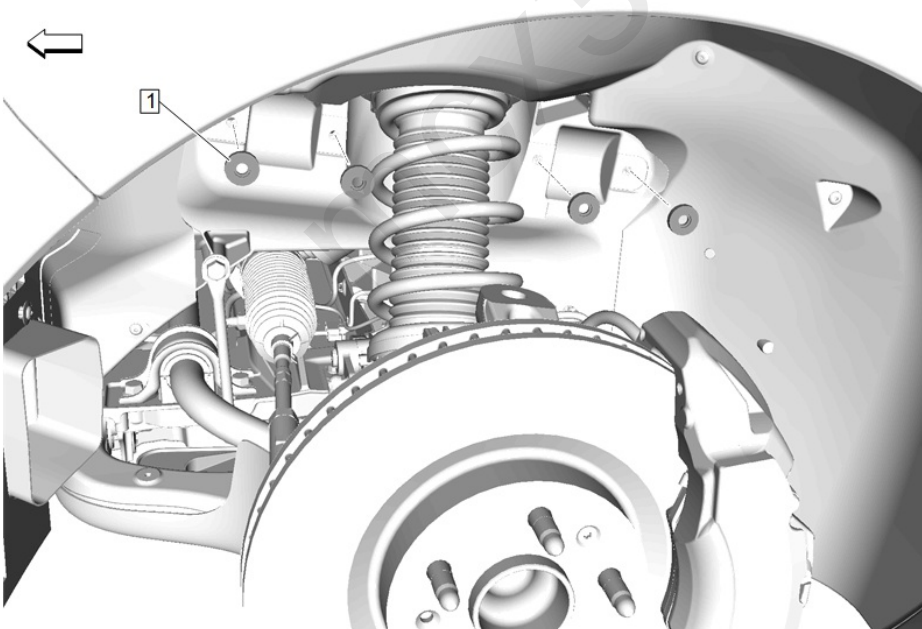
Do NOT use power tools when removing or installing the fasteners as damage to the mating threads may occur. Use hand tools only. Hand start the fasteners to ensure that the threads do not bind or cross thread.

12. Front Upper Control Arm Bolt (1) >> Remove [4x]



13.
[Click here for full size](#)

14. Front Upper Control Arm (1) >> Remove



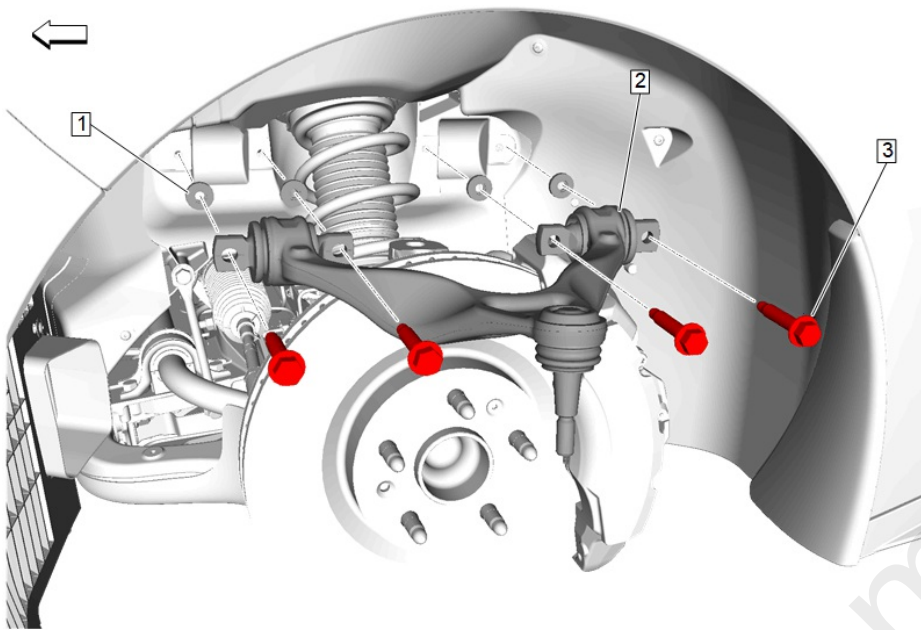
15.
[Click here for full size](#)

16. Note:

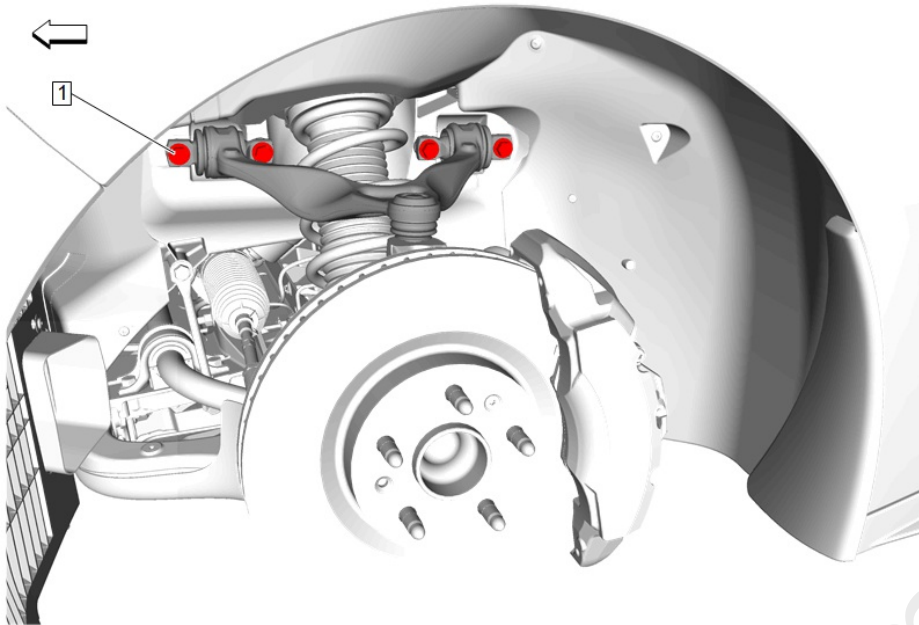
The 4 front upper control arm washers (1) will become dislodged during the removal of the front upper control arm bolts and arm.

17. Front Upper Control Arm Washer (1) >> Remove [4x]

Installation Procedure



1. [Click here for full size](#)
2. Install the 4 front upper control arm bolts (3) to the front upper control arm (2).
3. Install the 4 front upper control arm washers (1) to the 4 front upper control arm bolts (3).
4. Caution:
Do NOT use power tools when removing or installing the fasteners as damage to the mating threads may occur. Use hand tools only. Hand start the fasteners to ensure that the threads do not bind or cross thread.
5. Install the front upper control arm (2) to the vehicle and hand tighten the 4 front upper control arm bolts (3).

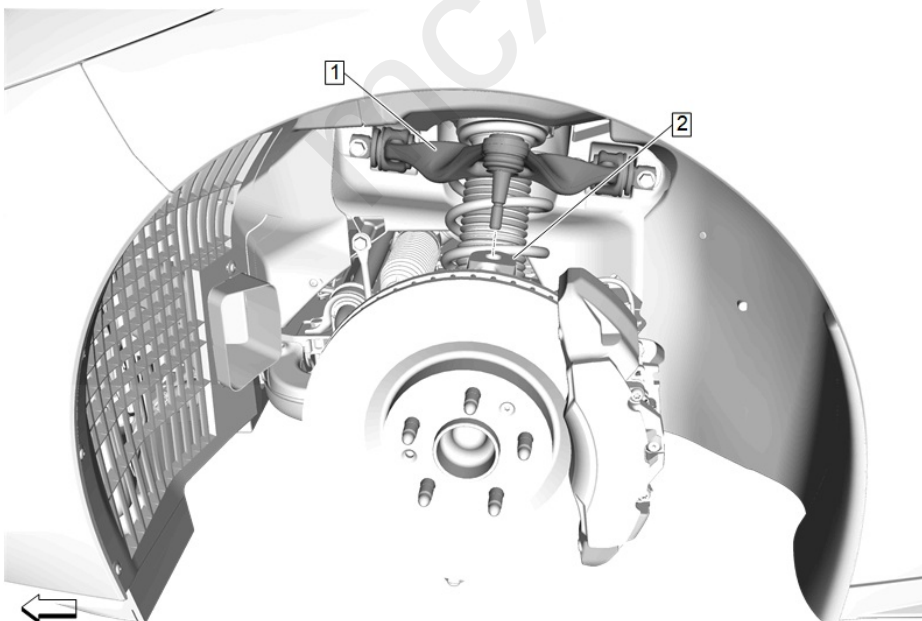


6. [Click here for full size](#)

7. Caution:

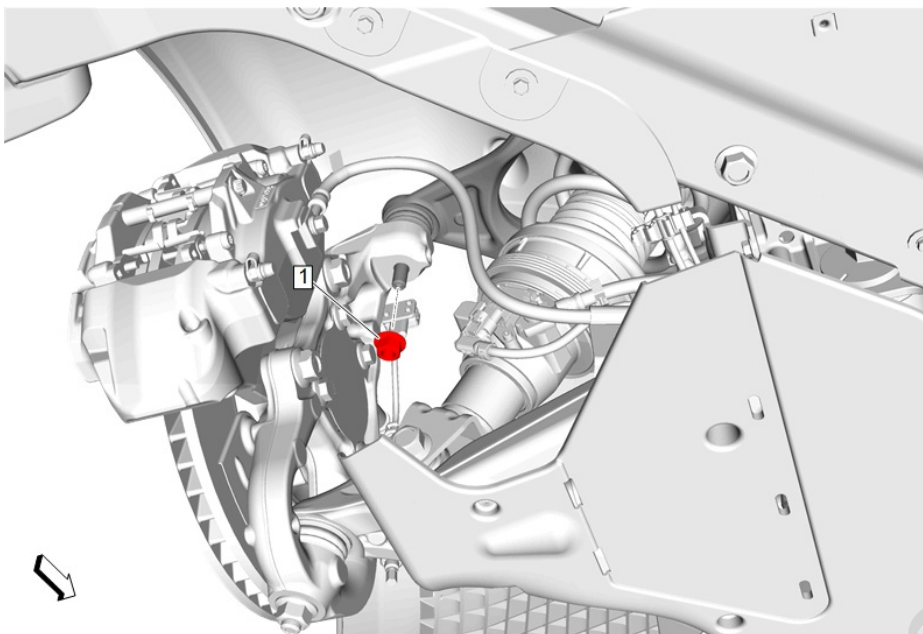
Refer to Fastener Caution.

8. Front Upper Control Arm Bolt (1) >> Tighten [4x]62.5 N-m (46 lb ft)



9. [Click here for full size](#)

10. Front Upper Control Arm (1) @ Steering Knuckle (2) >> Install



11. [Click here for full size](#)
12. Front Upper Control Arm Ball Stud Nut (1) >> Install and tighten
13.
 1. First Pass: 50 N-m (37 lb ft)
 2. Final Pass: 120 - 135 degrees
14. Remove the support from the front steering knuckle.
15. Install the front tire and wheel assembly. Tire and Wheel Removal and Installation
16. Remove the support and lower the vehicle.