

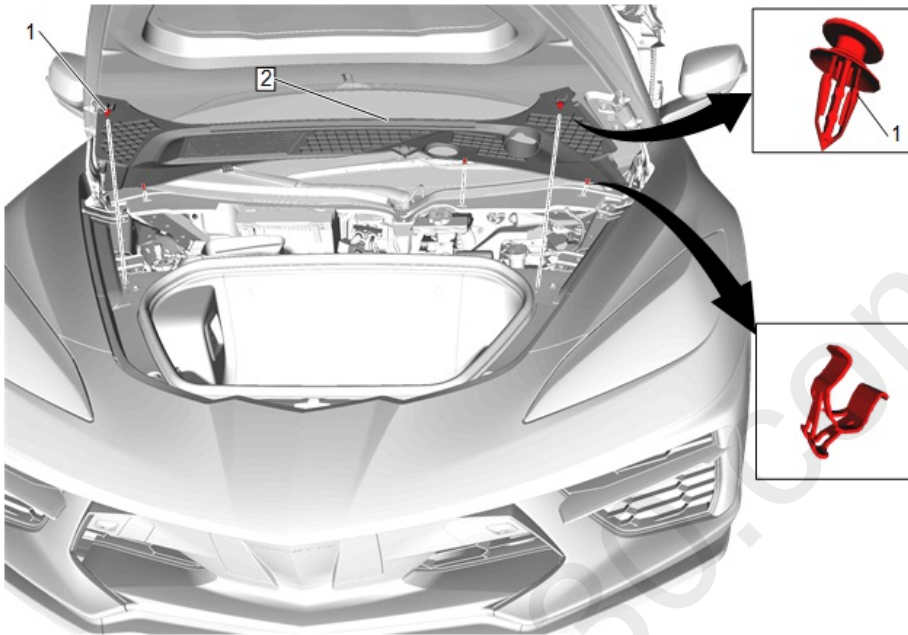
# 2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

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

## **Front Shock Absorber and Spring Removal and Installation (FE1 without E60)**

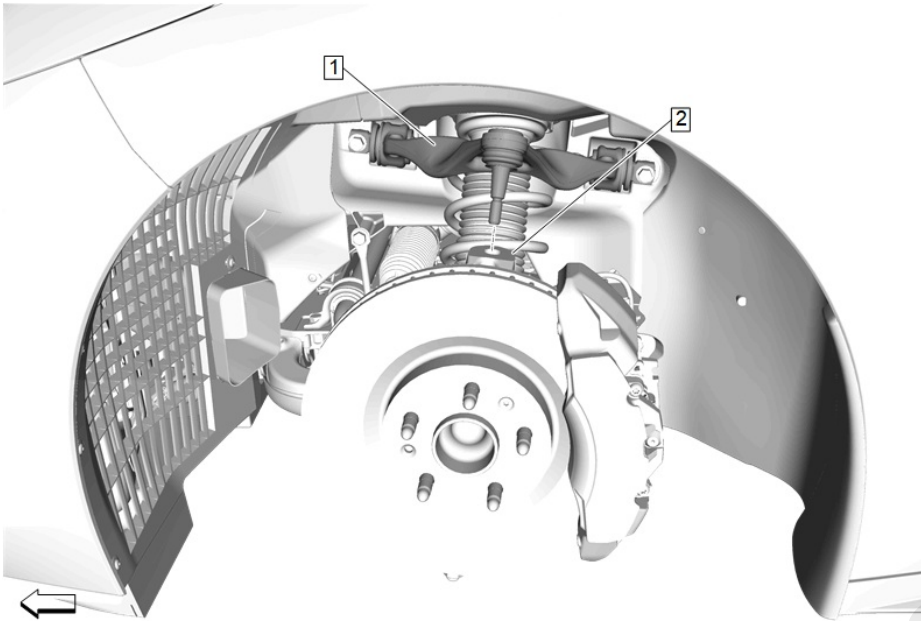
### **Removal Procedure**



1. [Click here for full size](#)
2. Front Compartment Rear Access Cover (2) >>> Remove - Front Compartment Rear Access Cover Replacement
3. Raise and support the vehicle. Lifting and Jacking the Vehicle
4. Remove the front tire and wheel assembly. Tire and Wheel Removal and Installation
5. Caution:

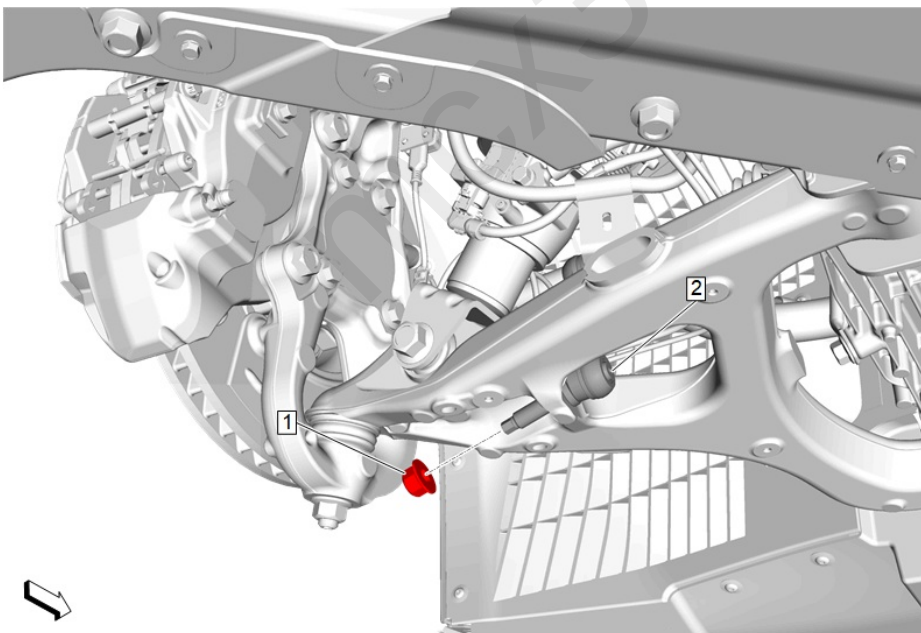
When working around ball joints, visually inspect the ball joint boots before and after service work is performed to ensure no damage has occurred. If damage to the boot is observed, the ball joint must be replaced.

6. Note:  
Support the front steering knuckle assembly to prevent over-articulation of the ball joints.
7. Support the front suspension knuckle with a suitable jack stand or equivalent.



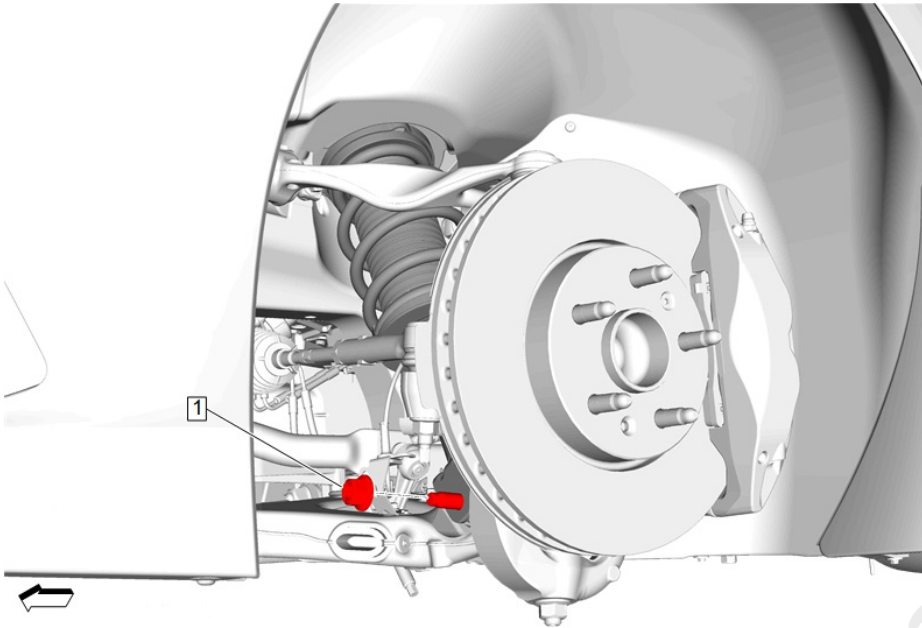
8.  
[Click here for full size](#)

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



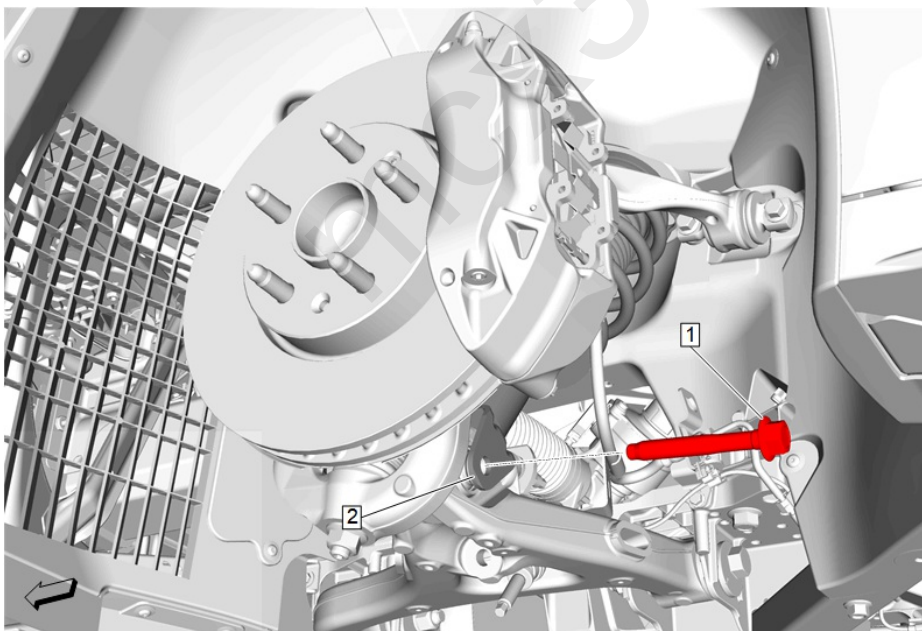
10.  
[Click here for full size](#)

11. Front Stabilizer Shaft Link (2) @ Front Lower Control Arm >> Remove - Front Stabilizer Shaft Link Replacement



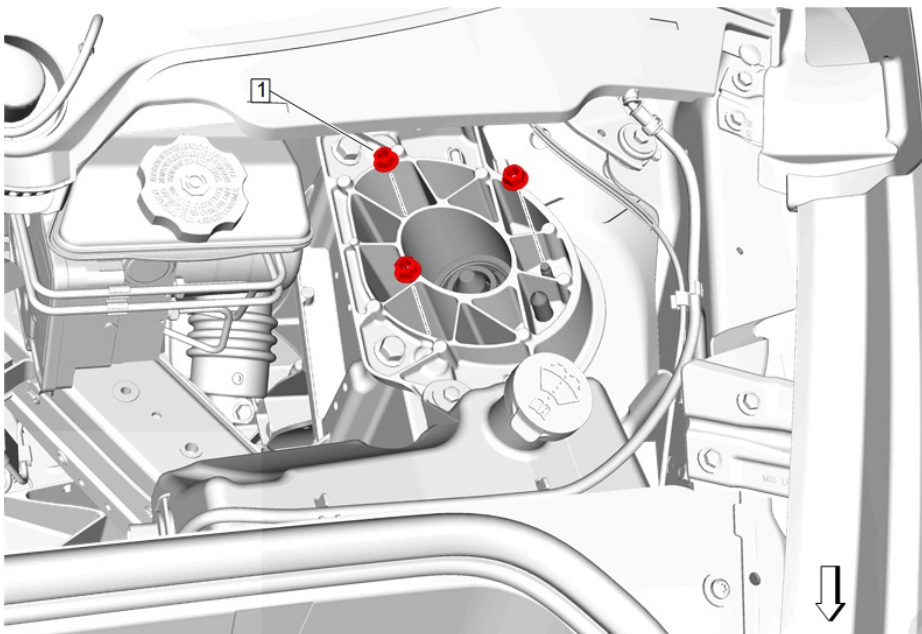
12.  
[Click here for full size](#)

13. Front Shock Absorber Nut (1) >> Remove



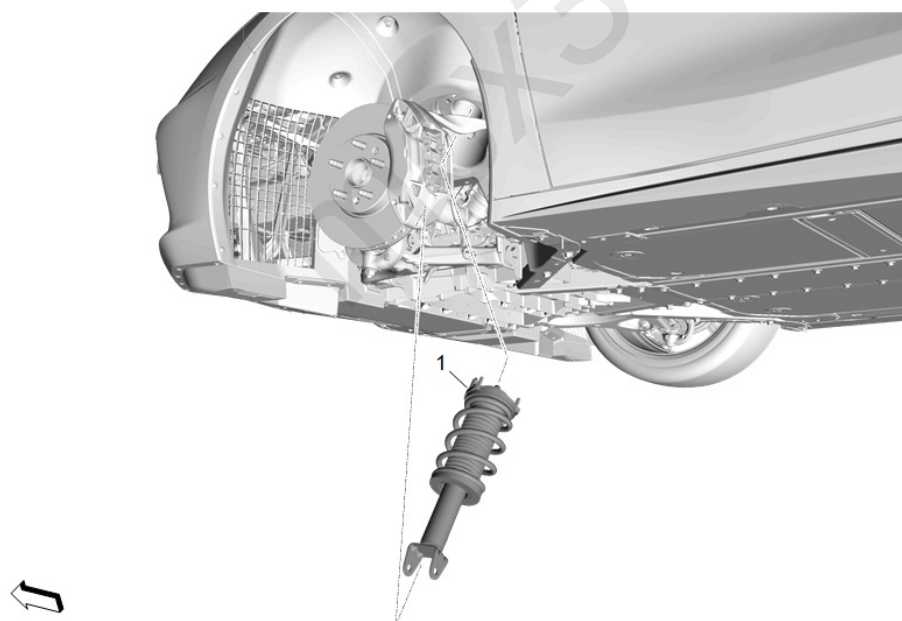
14.  
[Click here for full size](#)

15. Front Shock Absorber Bolt (1) >> Remove



16.  
[Click here for full size](#)

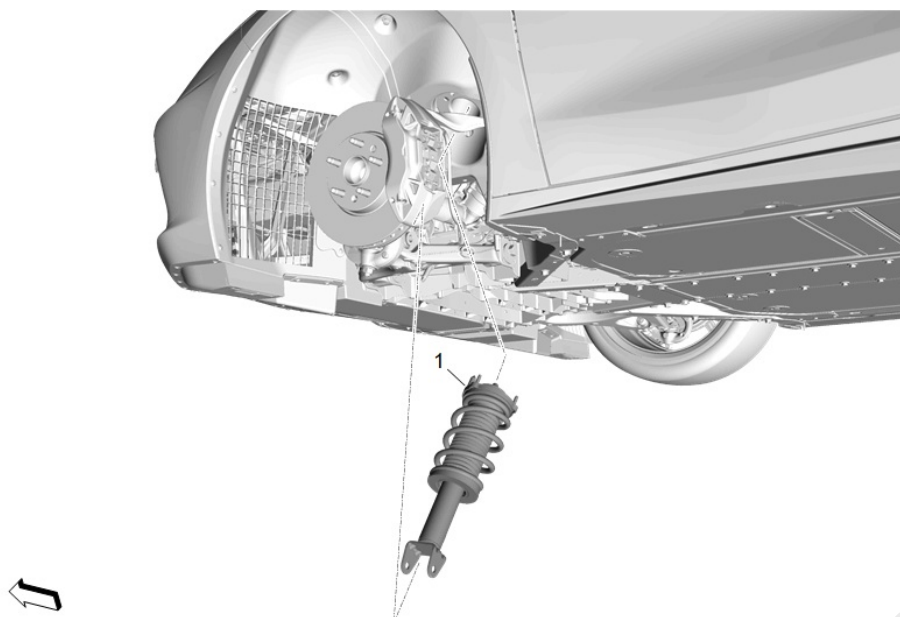
17. Front Shock Absorber Upper Mounting Nut (1) >> Remove [3x]



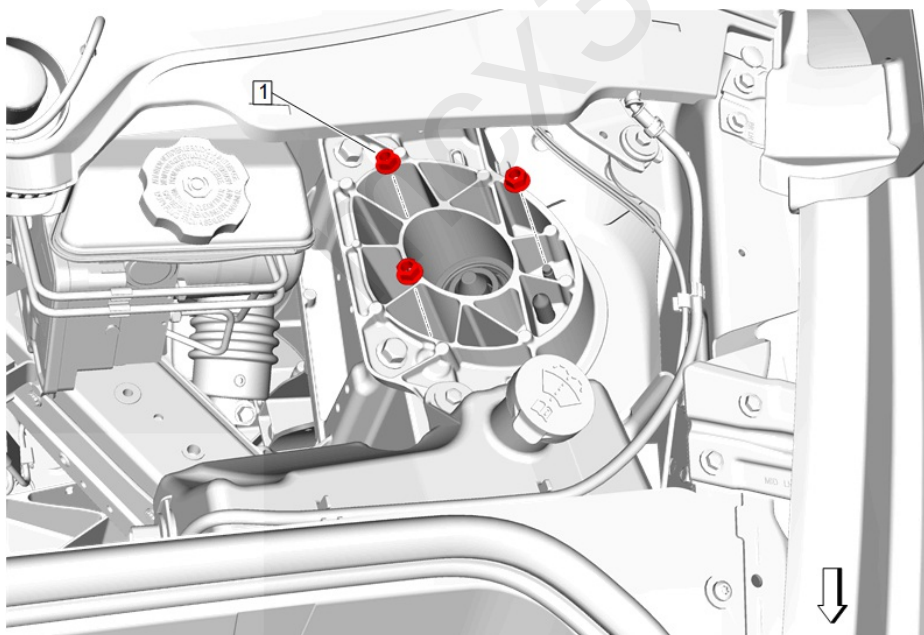
18.  
[Click here for full size](#)

19. Reposition the front upper and lower control arms and remove the front shock absorber (1).

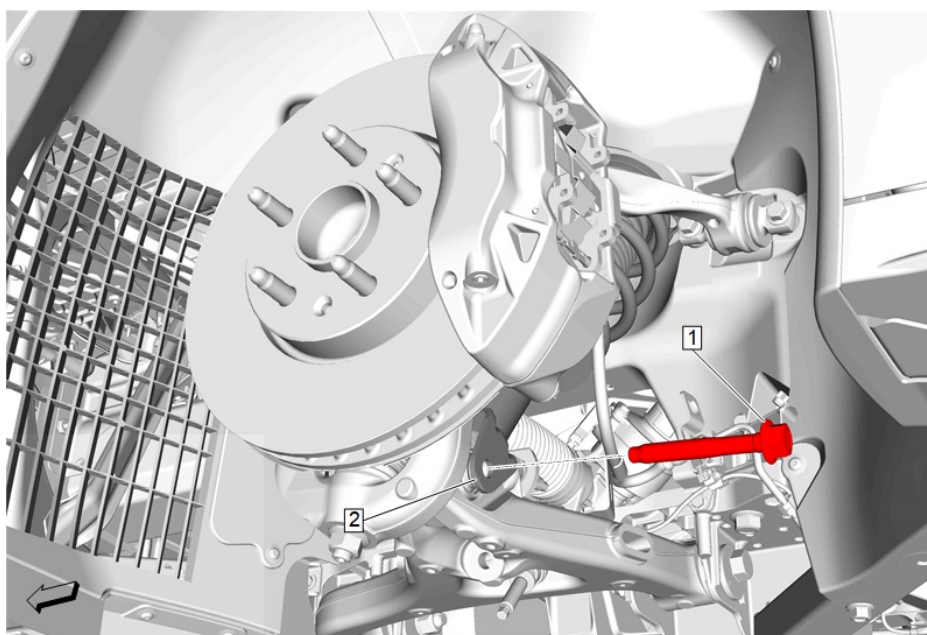
## Installation Procedure



1. [Click here for full size](#)
2. Reposition the front upper and lower control arms and install the front shock absorber (1).

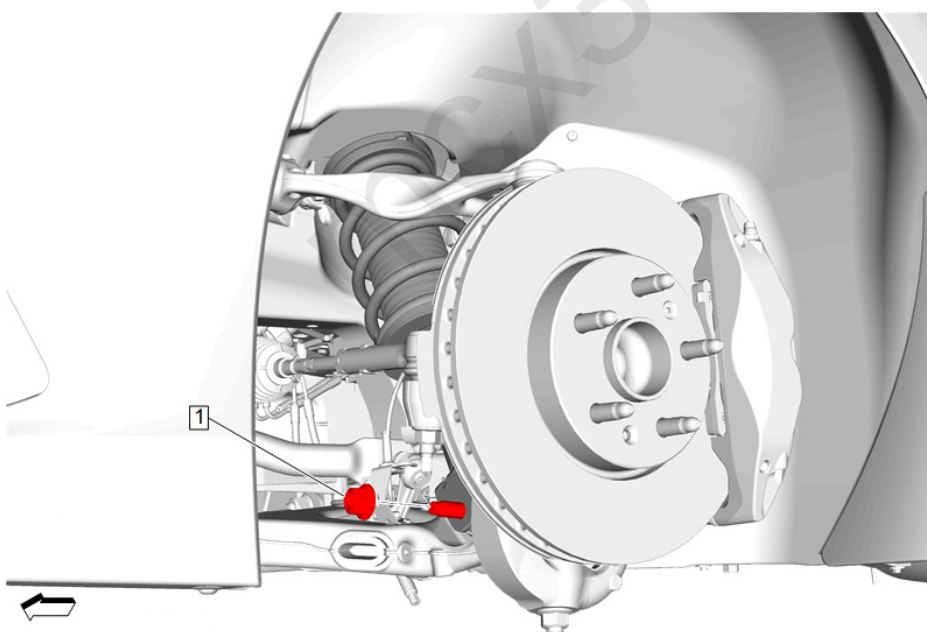


3. [Click here for full size](#)
4. Caution:  
Refer to Fastener Caution.
5. Front Shock Absorber Upper Mounting Nut (1) >> Install and tighten [3x]30 N-m (22 lb ft)



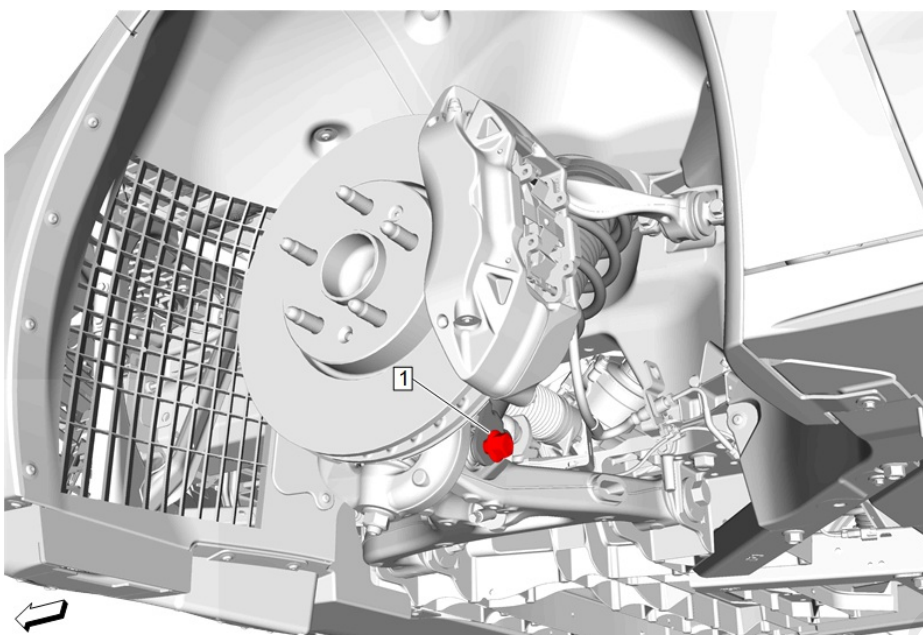
6.  
[Click here for full size](#)

7. Front Shock Absorber Bolt (1) >> Install



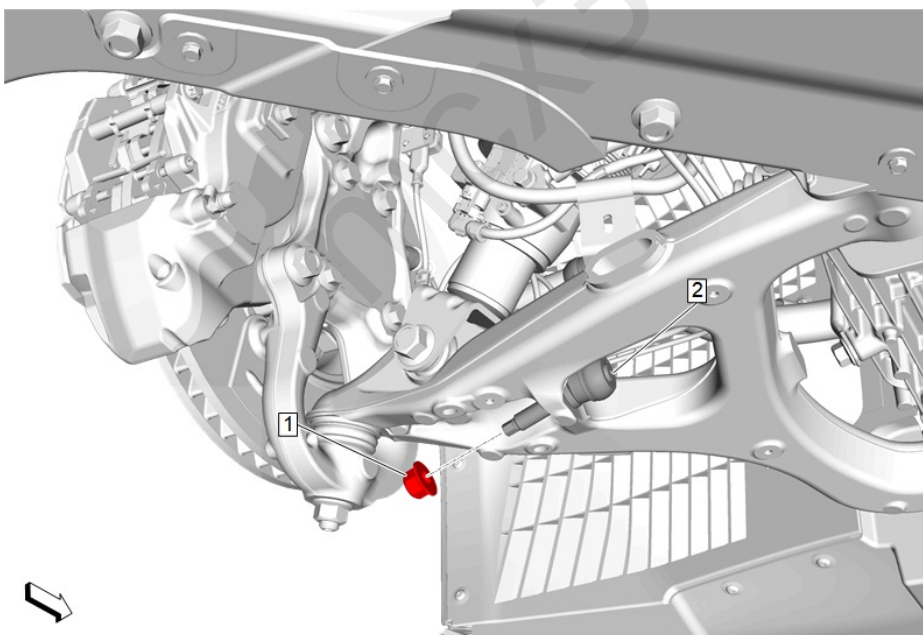
8.  
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9. Front Shock Absorber Nut (1) >> Loosely install



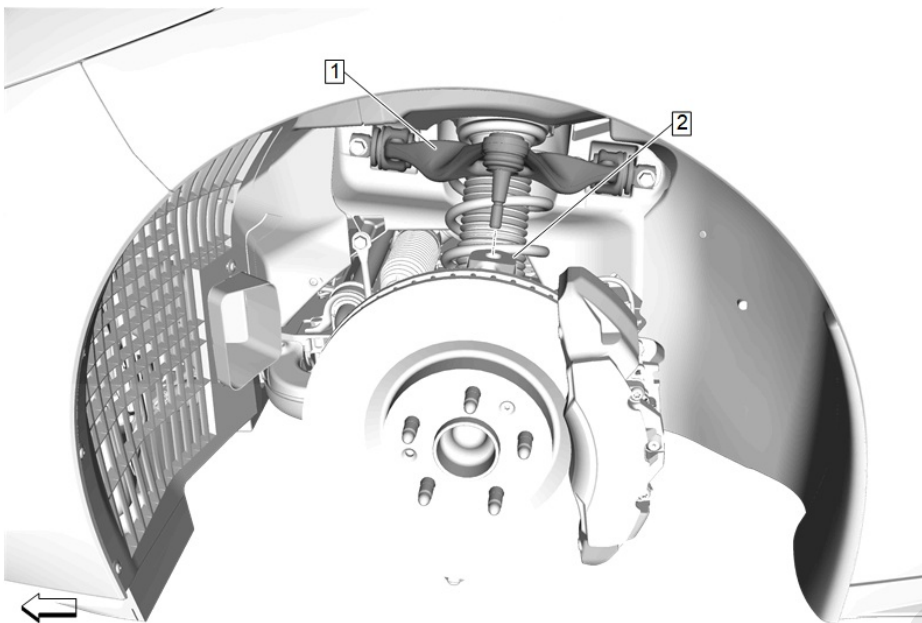
10.  
[Click here for full size](#)

11. Front Shock Absorber Bolt (1) >> Tighten 160 N-m (118 lb ft)



12.  
[Click here for full size](#)

13. Front Stabilizer Shaft Link (2) @ Front Lower Control Arm >> Install - Front Stabilizer Shaft Link Replacement



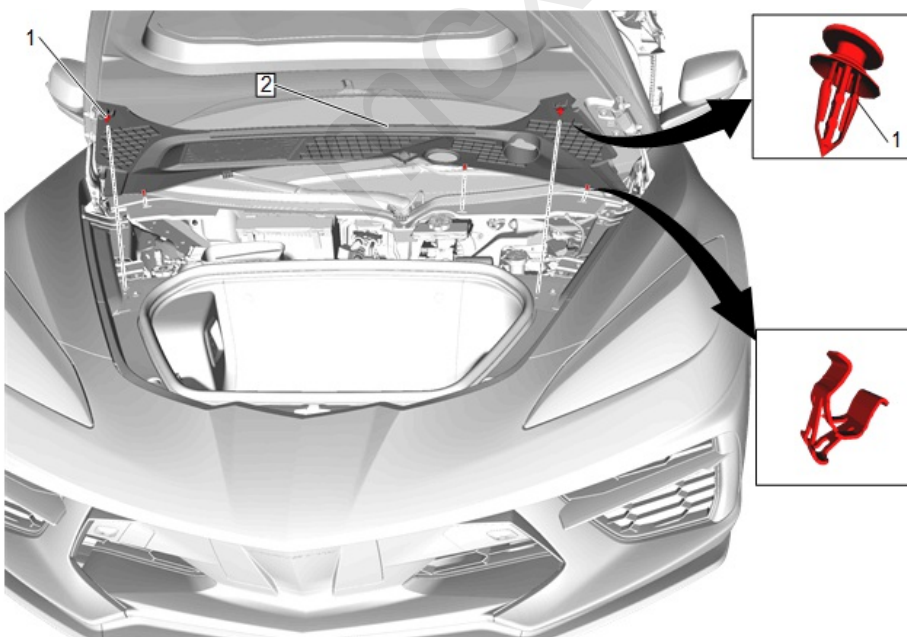
14.  
[Click here for full size](#)

15. Front Upper Control Arm (1) @ Steering Knuckle (2) >> Install - Front Upper Control Arm Replacement

16. Remove the support from the front suspension knuckle.

17. Install the front tire and wheel assembly. Tire and Wheel Removal and Installation

18. Remove the support and lower the vehicle.



19.  
[Click here for full size](#)

20. Front Compartment Rear Access Cover (2) >> Install - Front Compartment Rear Access Cover Replacement