

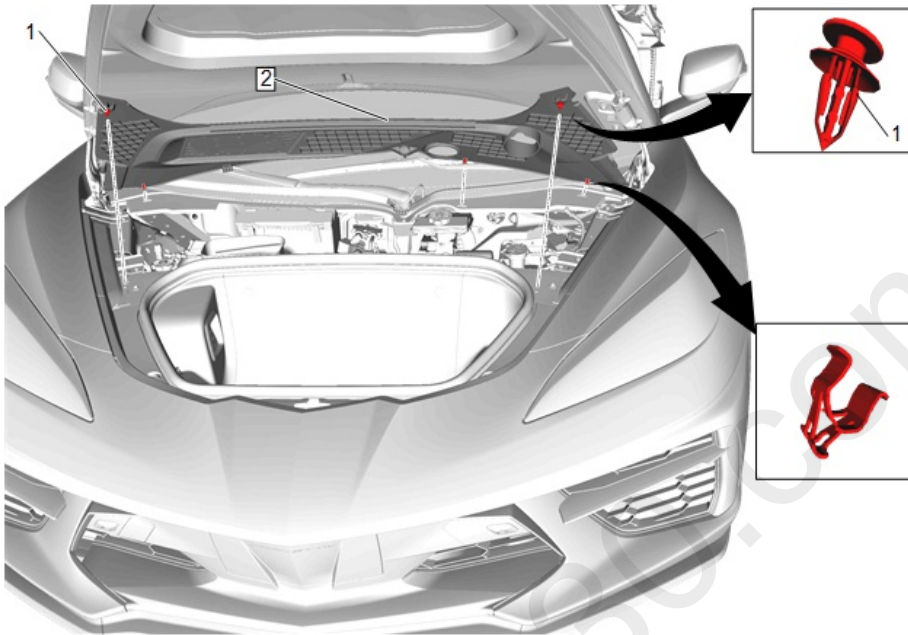
2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

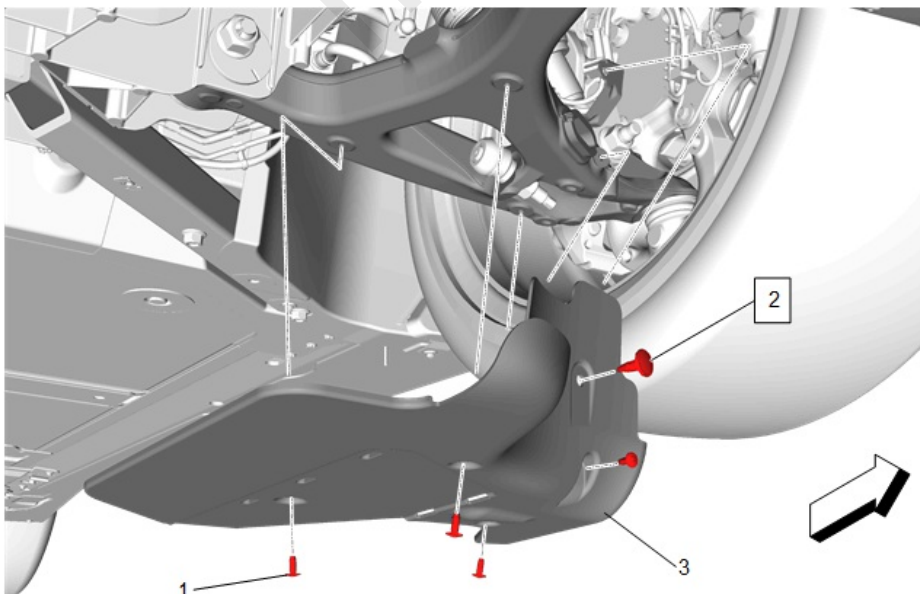
1. **Suspension**
2. **Front Suspension**
3. **Repair Instructions**
- 4.

Front Shock Absorber and Spring Removal and Installation (FE3 with 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. [Click here for full size](#)

5. Front Brake Rotor Cooling Duct Deflector (3) >> Remove - Front Brake Rotor Cooling Duct Deflector Replacement

6. Remove the front tire and wheel assembly. Tire and Wheel Removal and Installation

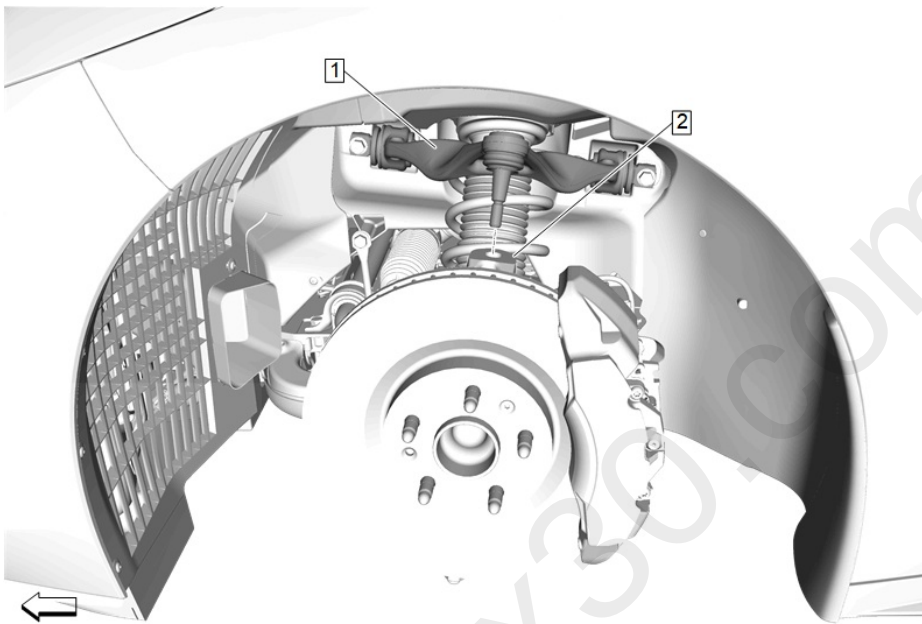
7. Caution:

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.

8. Note:

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

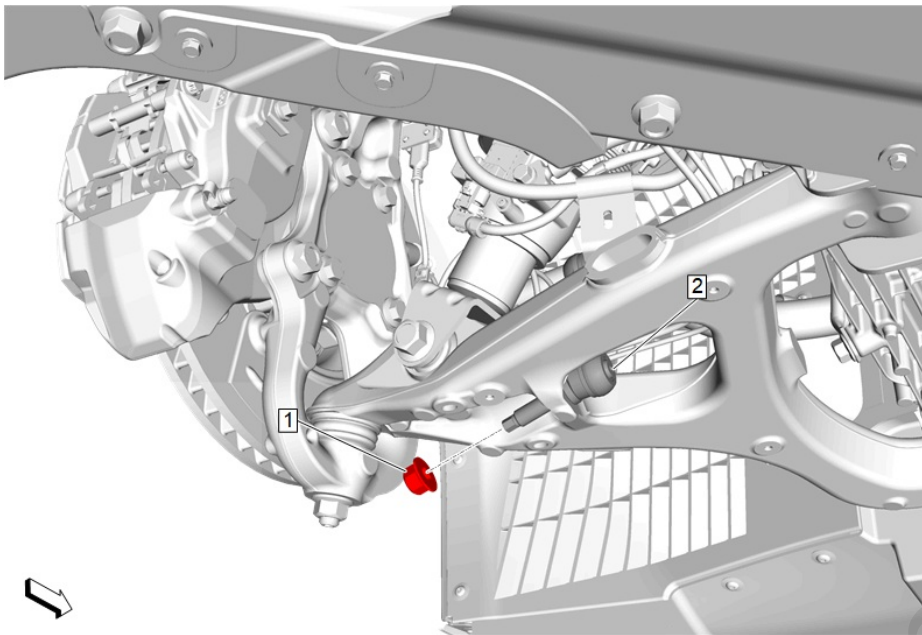
9. Support the front steering knuckle with a suitable jack stand or equivalent.



10.

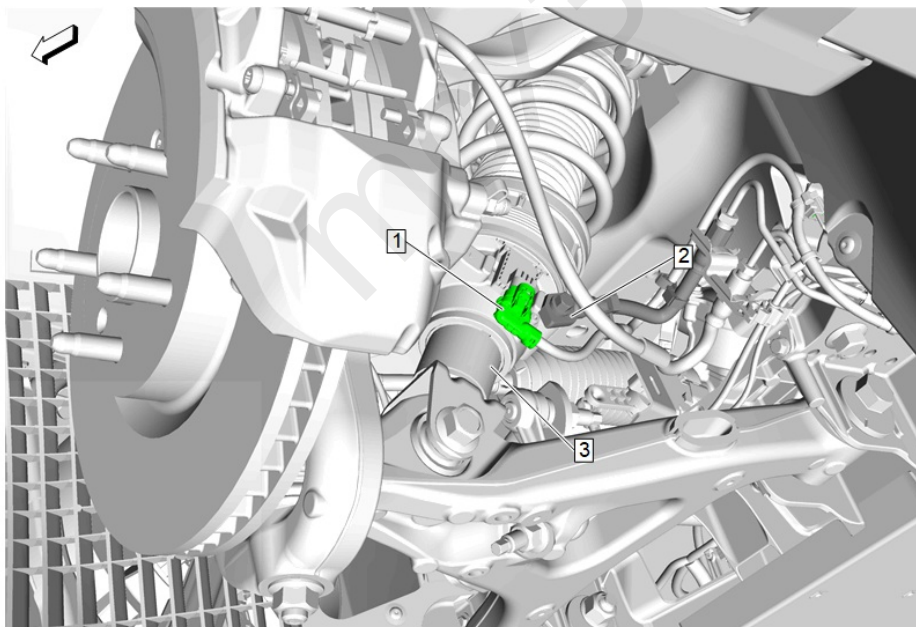
[Click here for full size](#)

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



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

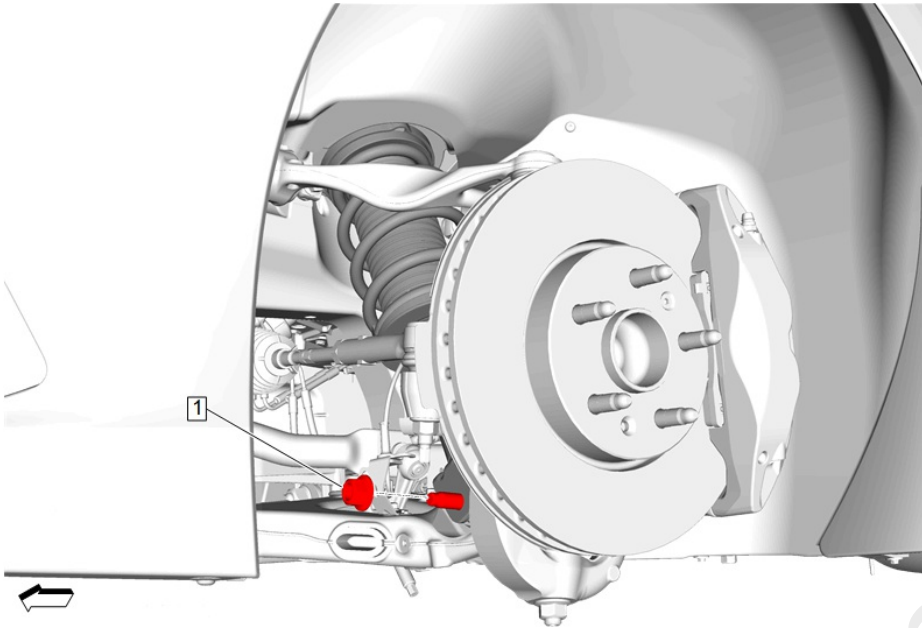
13. Front Stabilizer Shaft Link (2) @ Front Lower Control Arm>> Remove - Front Stabilizer Shaft Link Replacement



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

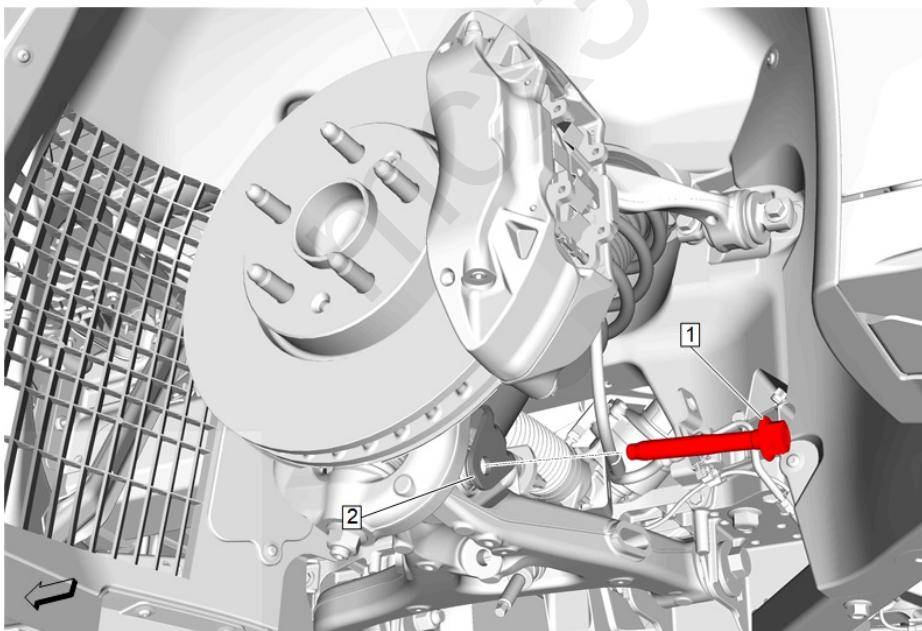
15. Electrical Connector (1) @ Front Shock Absorber (3) >> Disconnect

16. Front Hydraulic Suspension Actuator Inlet Hose (2) @ Front Shock Absorber >> Remove - Front Hydraulic Suspension Actuator Inlet Hose Replacement



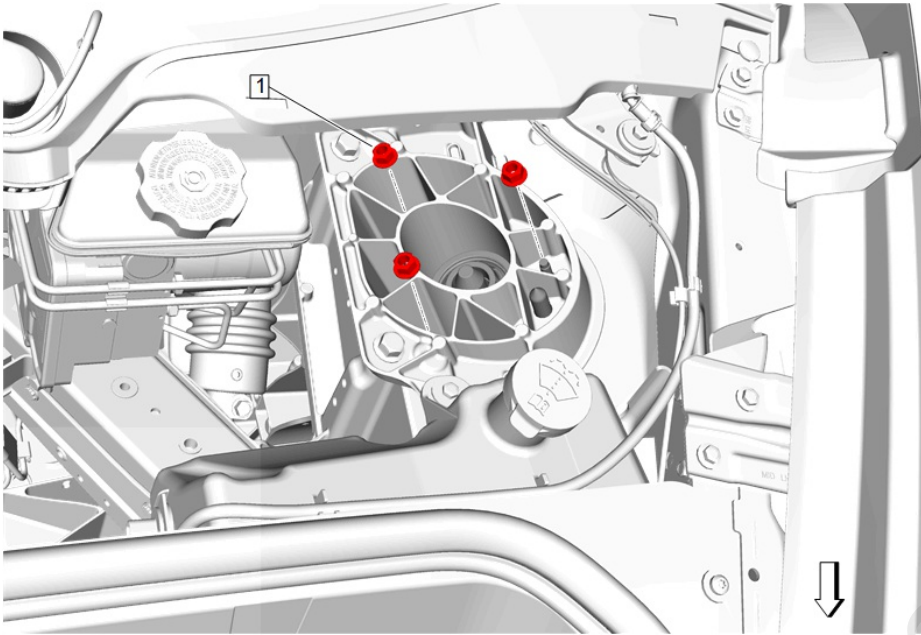
17.
[Click here for full size](#)

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



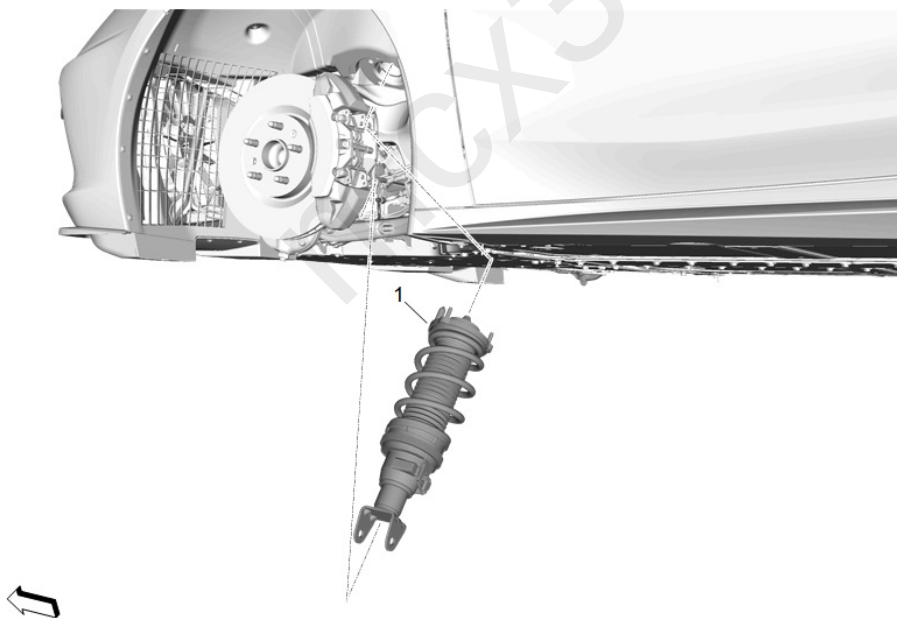
19.
[Click here for full size](#)

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



21.
[Click here for full size](#)

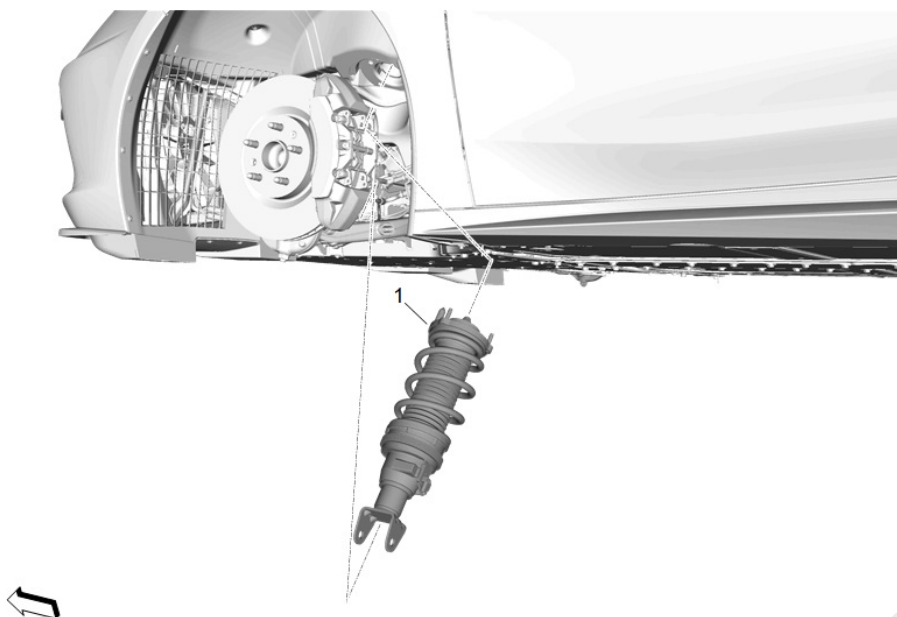
22. Front Shock Absorber Upper Mounting Nut (1) >> Remove [3x]



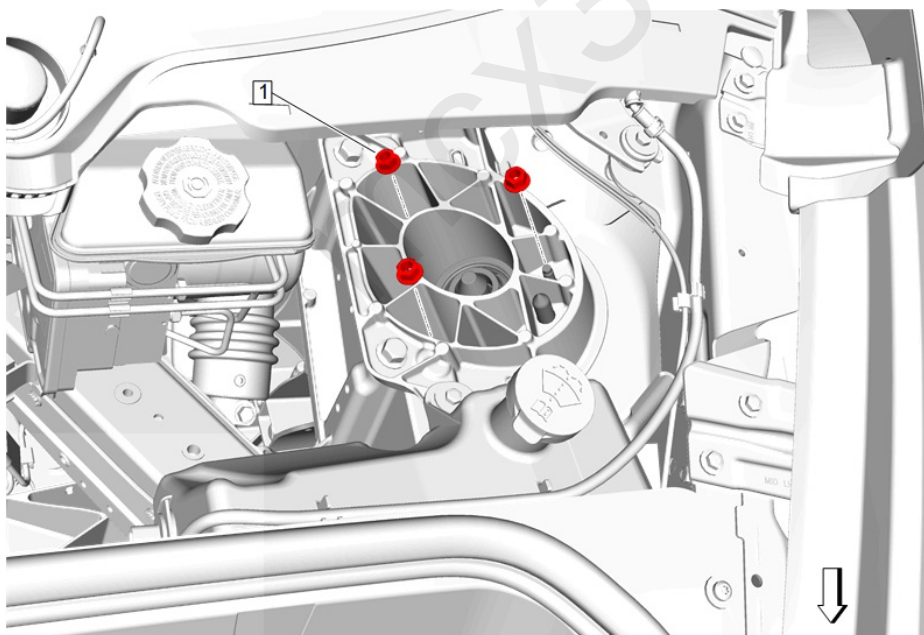
23.
[Click here for full size](#)

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

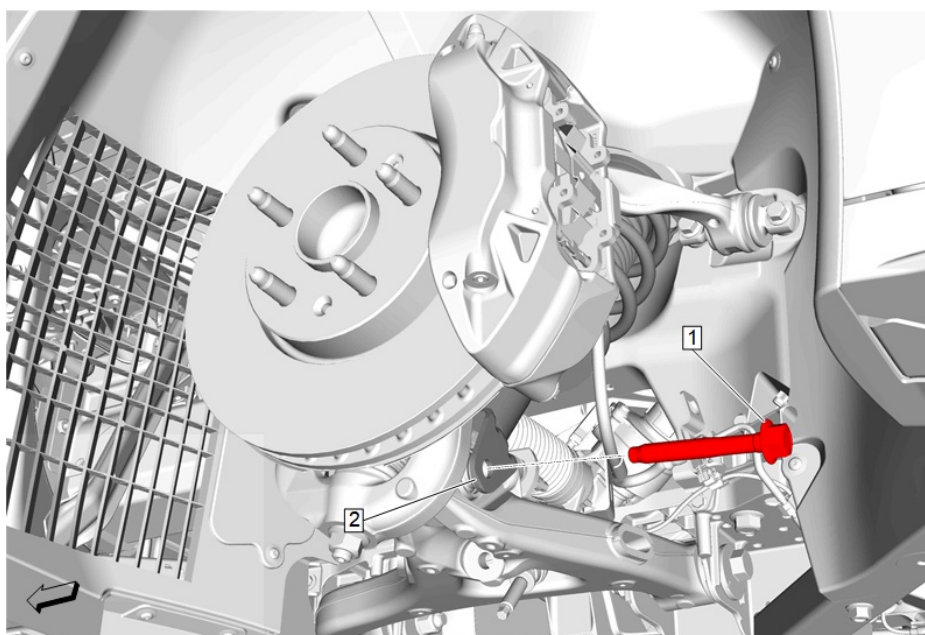
Installation Procedure



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

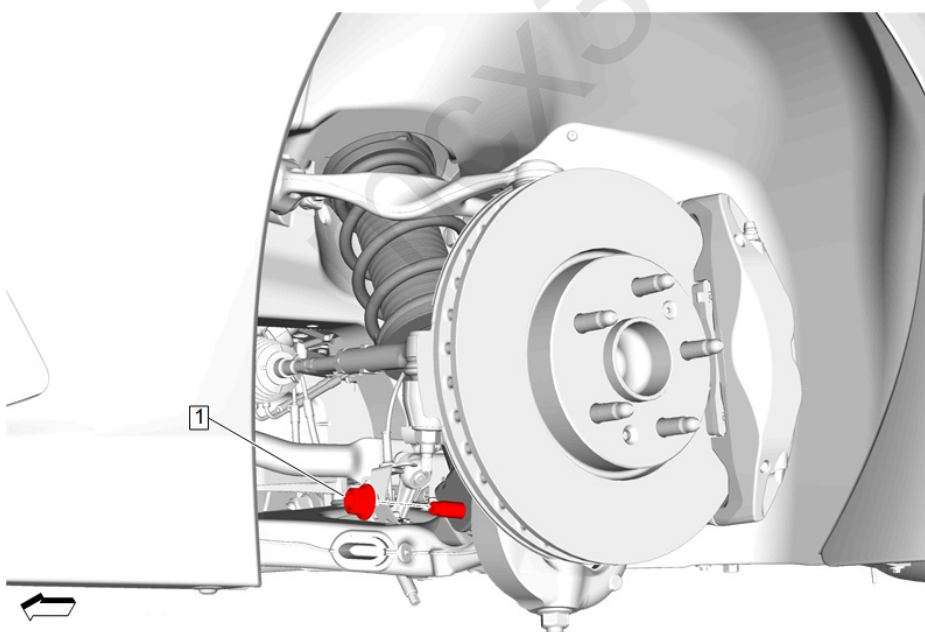


3. [Click here for full size](#)
4. Caution:
Refer to Fastener Caution.
5. Front Shock Absorber Upper Mounting Nut (1) >> Install and tighten [3x]30 N-m (22 lb ft)



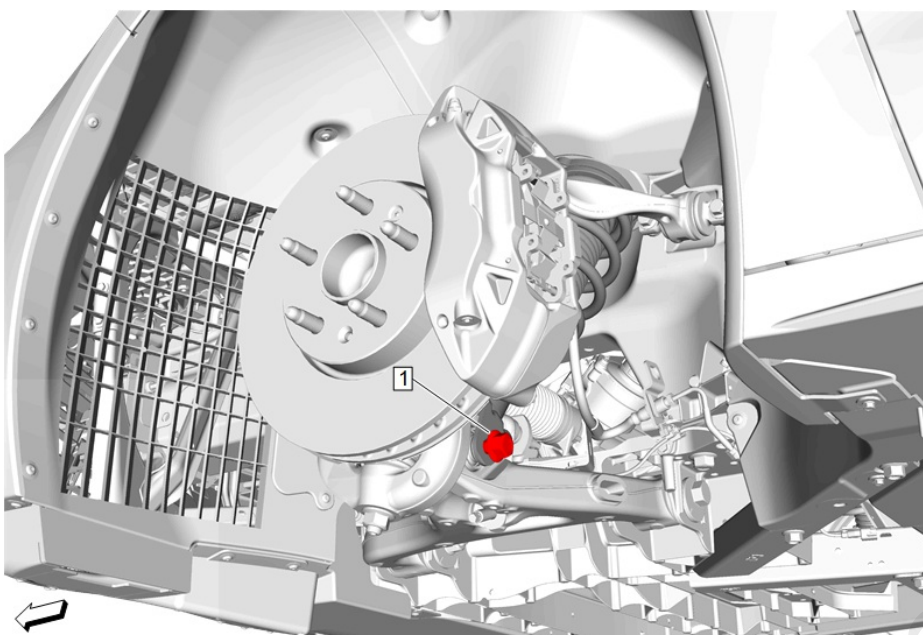
6.
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7. Front Shock Absorber Bolt (1) >> Install



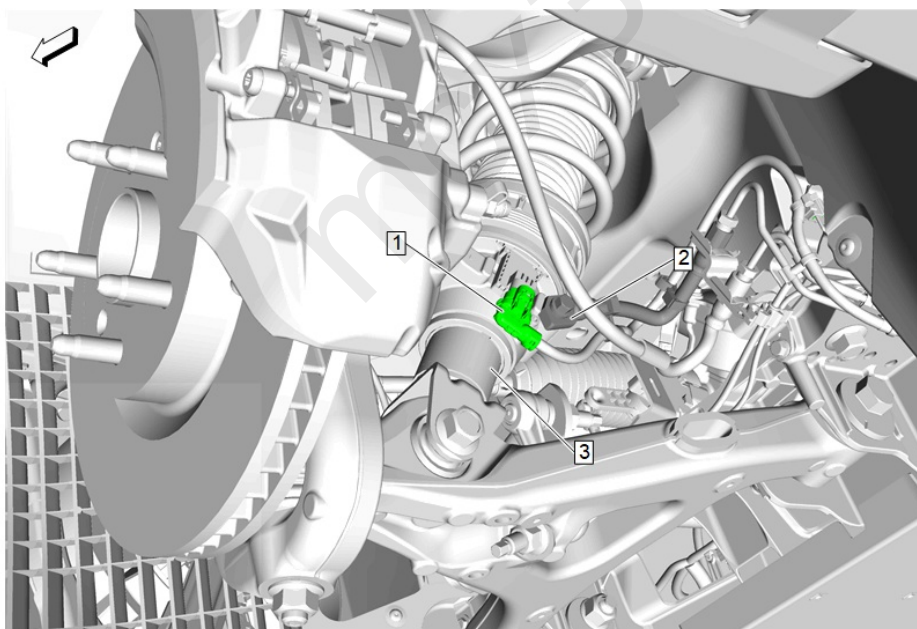
8.
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9. Front Shock Absorber Nut (1) >> Loosely install



10.
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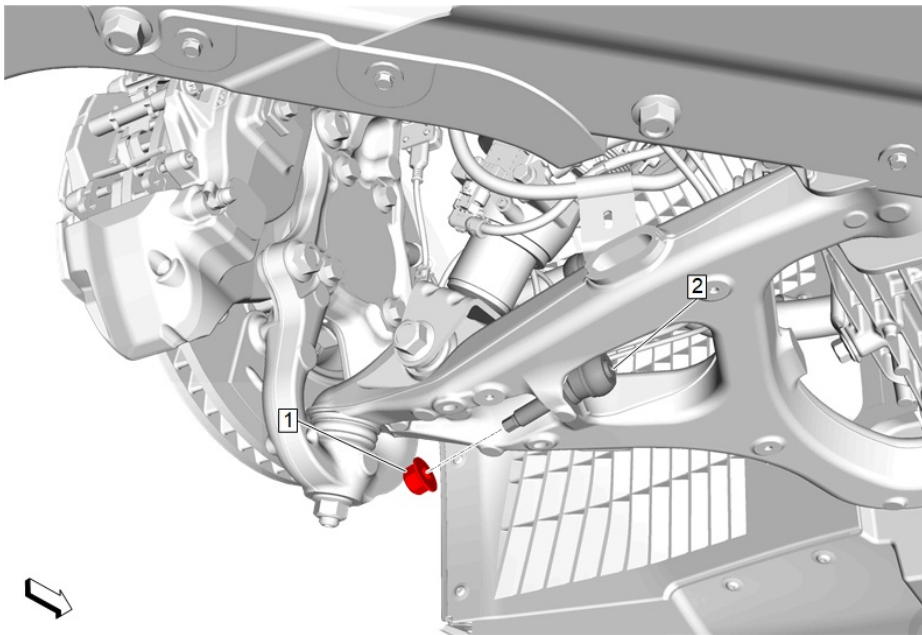
11. Front Shock Absorber Bolt (1) >> Tighten 160 N-m (118 lb ft)



12.
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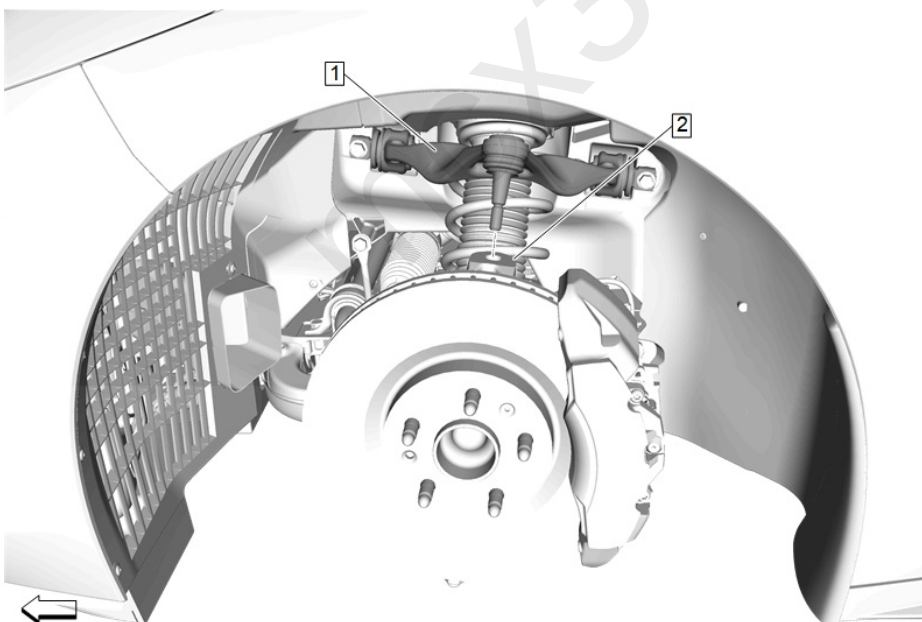
13. Electrical Connector (1) @ Front Shock Absorber (3) >> Connect

14. Front Hydraulic Suspension Actuator Inlet Hose (2) @ Front Shock Absorber >> Install - Front Hydraulic Suspension Actuator Inlet Hose Replacement



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

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



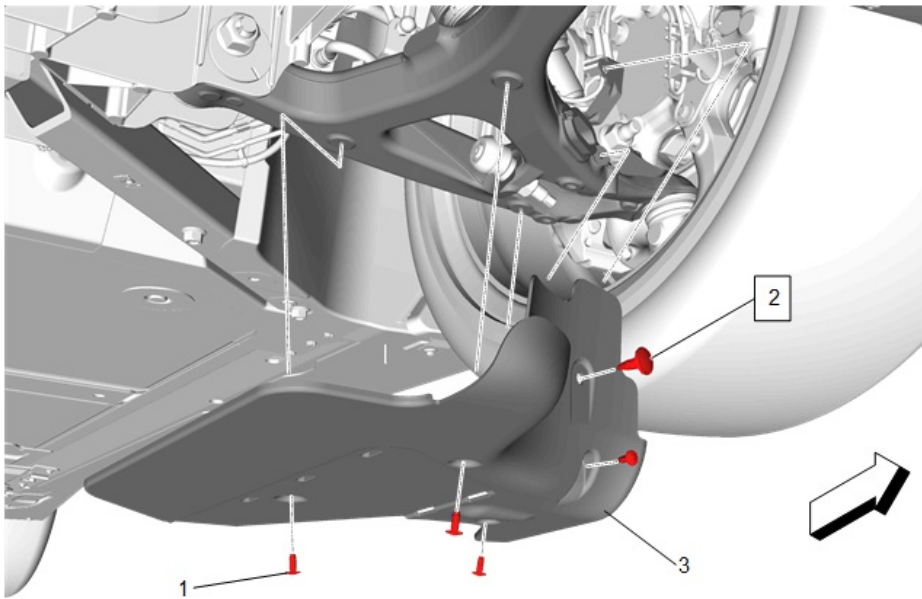
17.
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18. Front Upper Control Arm (1) @ Steering Knuckle (2) >> Install - Front Upper Control Arm Replacement

19. Remove the support from the front steering knuckle.

20. Bleed the front hydraulic suspension. Front Hydraulic Suspension Bleeding

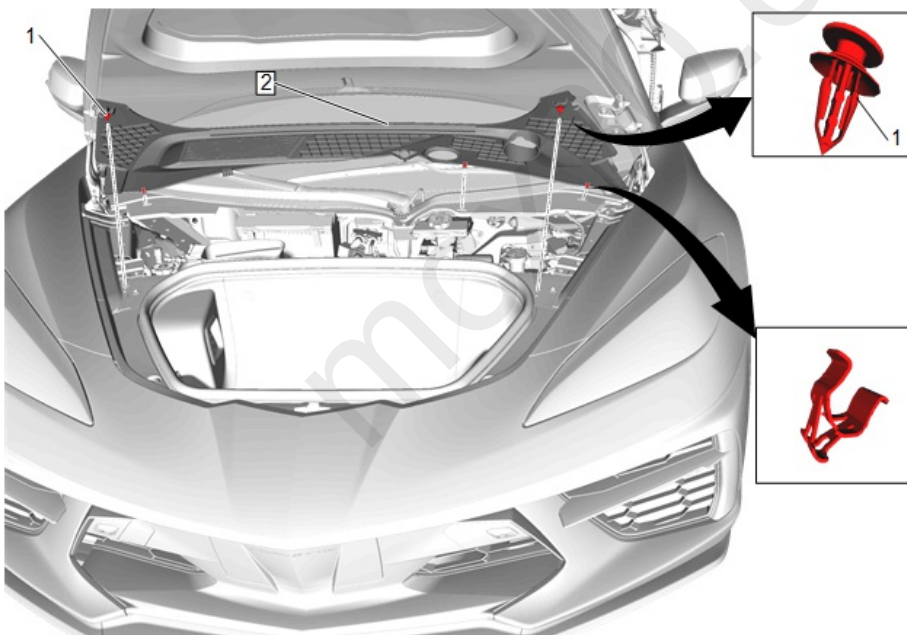
21. Install the front tire and wheel assembly. Tire and Wheel Removal and Installation



22.
[Click here for full size](#)

23. Front Brake Rotor Cooling Duct Deflector (3) >> Install - Front Brake Rotor Cooling Duct Deflector Replacement

24. Remove the support and lower the vehicle.



25.
[Click here for full size](#)

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