

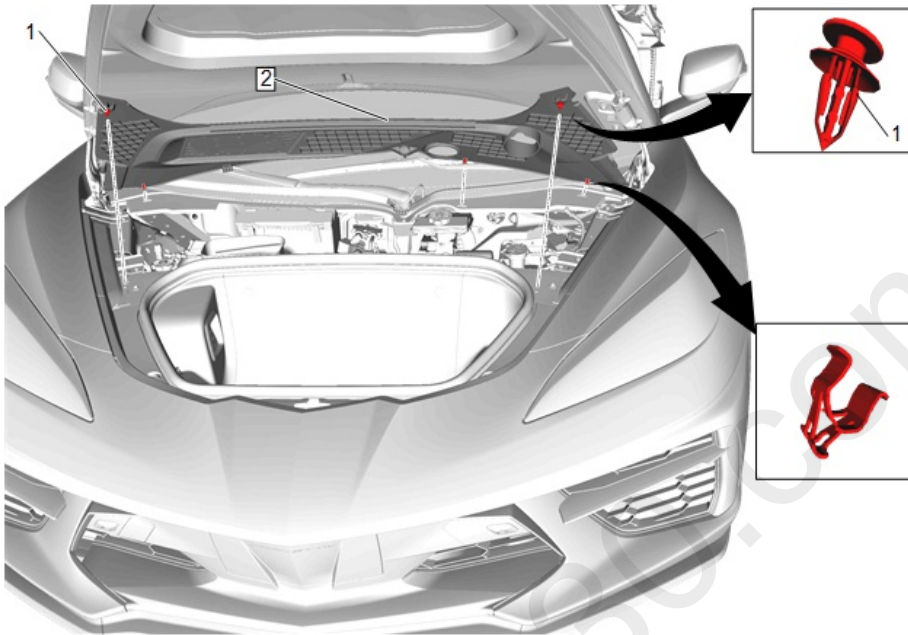
2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

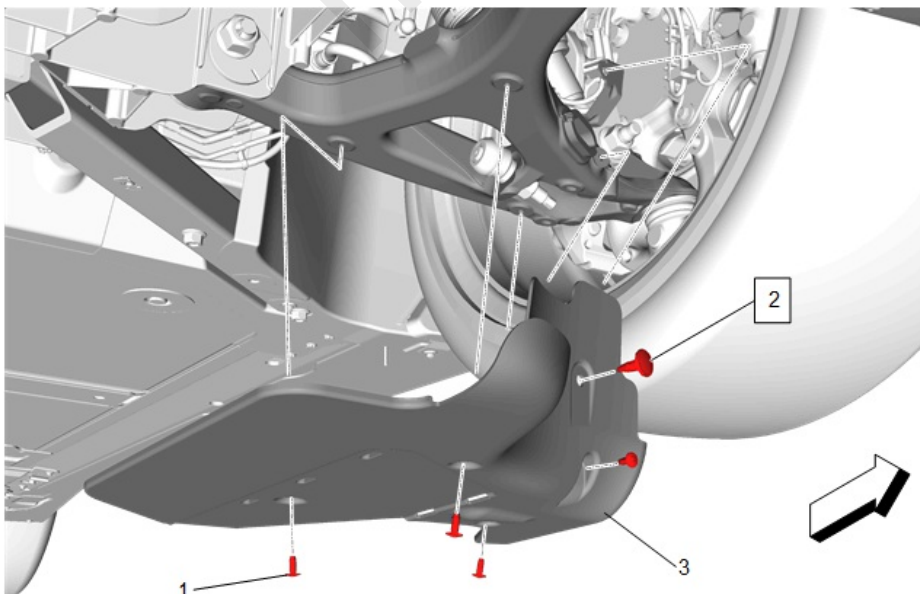
1. **Suspension**
2. **Front Suspension**
3. **Repair Instructions**
- 4.

Front Shock Absorber and Spring Removal and Installation (FE4 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. [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

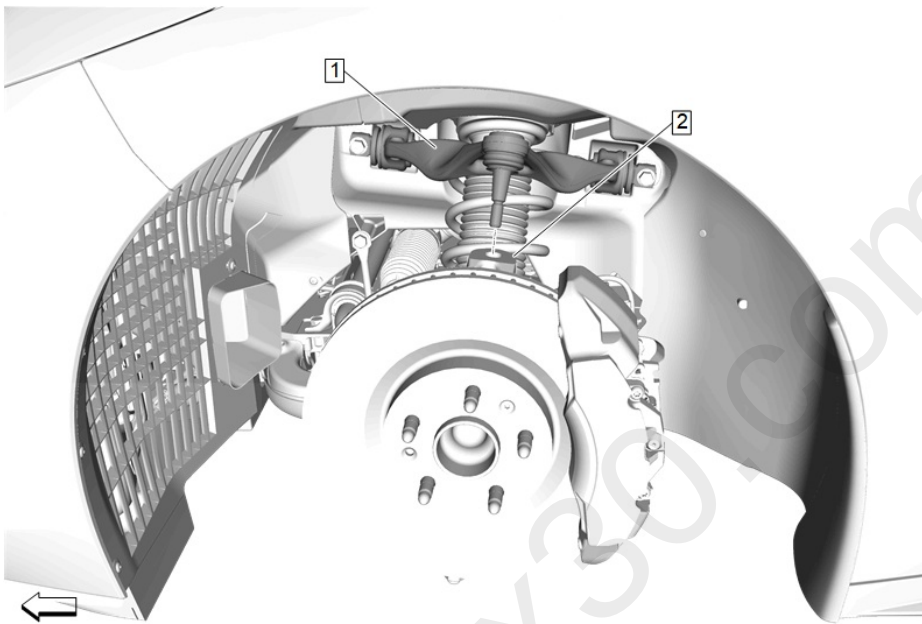
7. Caution:

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.

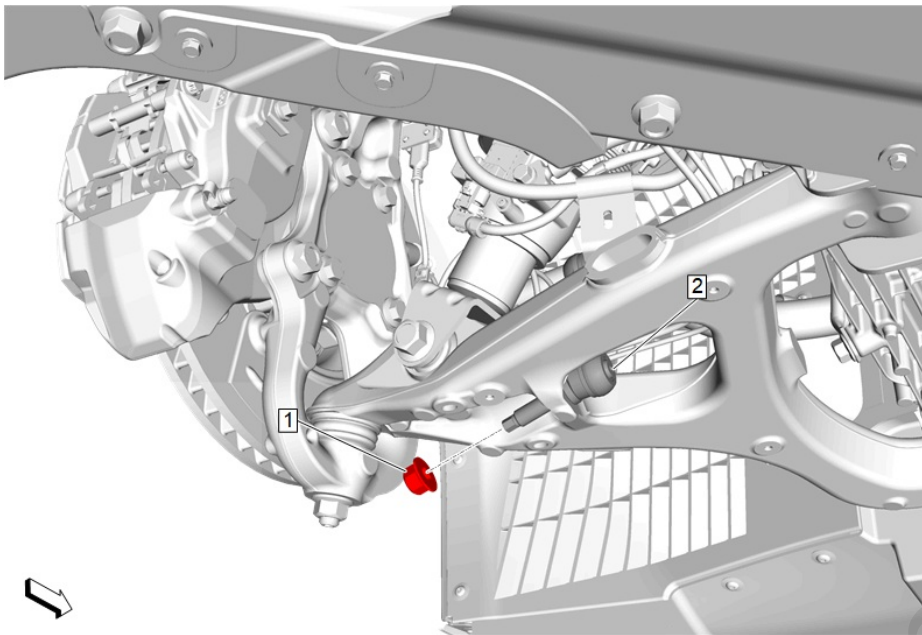
9. Support the front steering knuckle with a suitable jack stand or equivalent.



10.

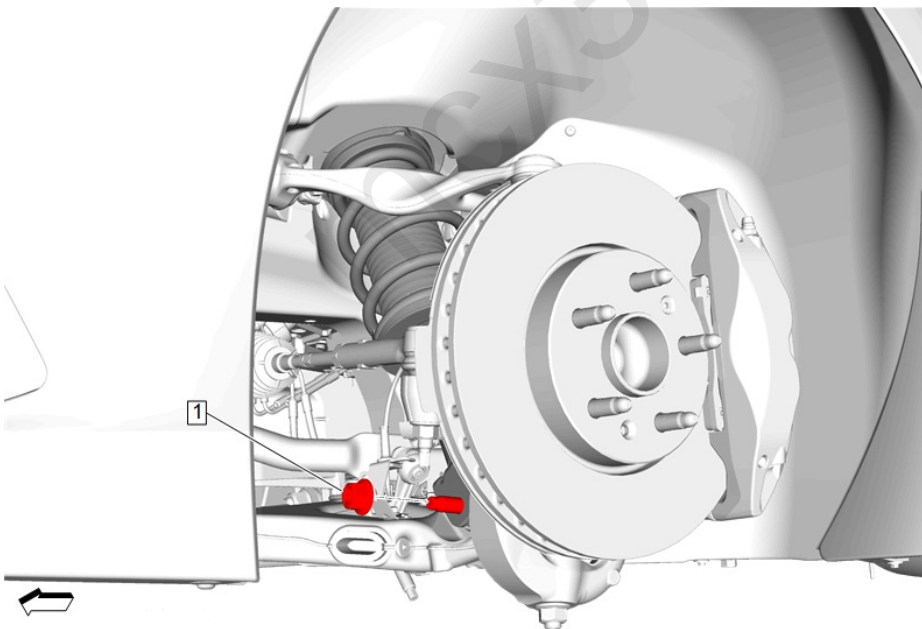
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11. Front Upper Control Arm (1) @ Steering Knuckle (2) >> Remove - Front Upper Control Arm Replacement



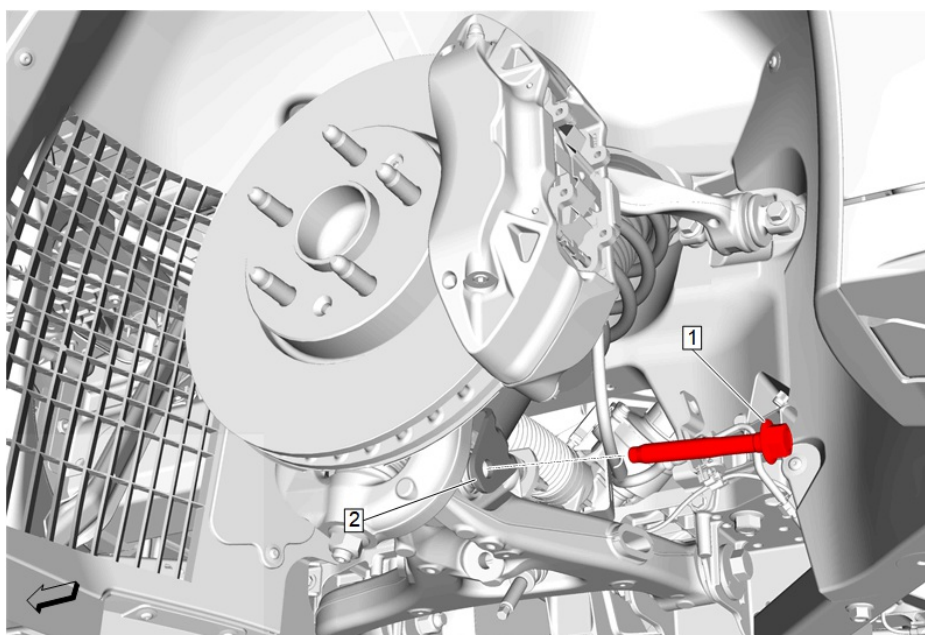
12.
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13. Remove the lower front stabilizer shaft link nut (1) and separate the front stabilizer shaft link (2) from the front lower control arm.



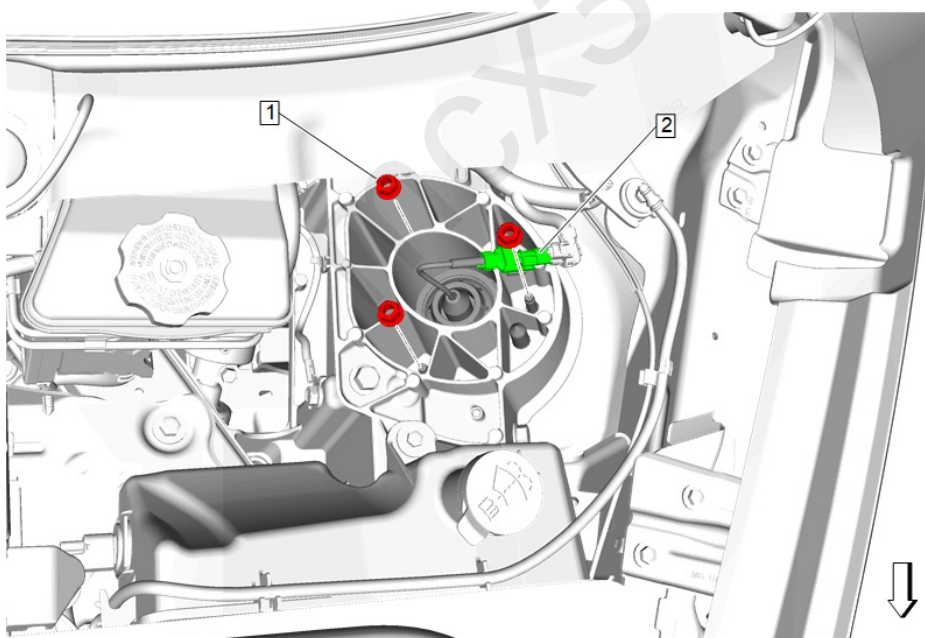
14.
[Click here for full size](#)

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



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

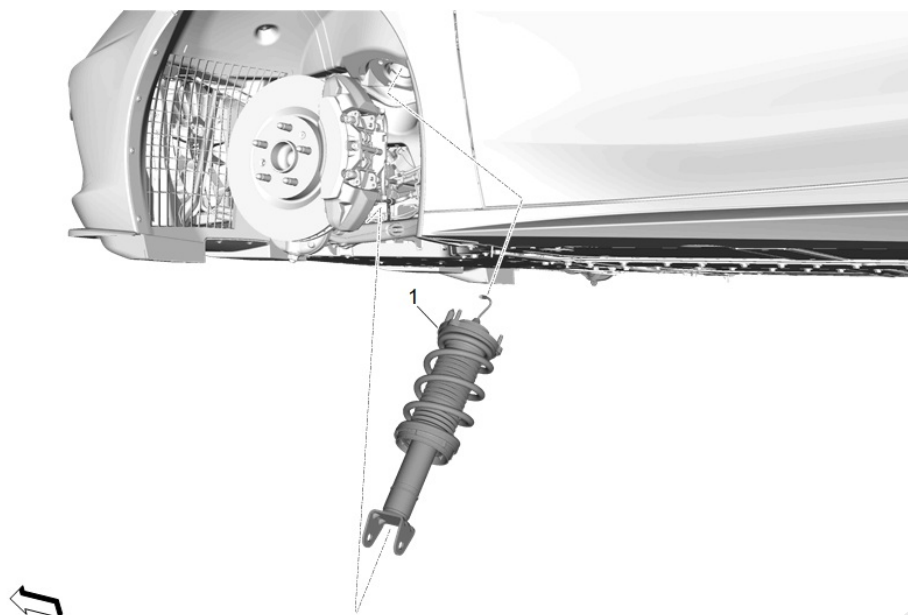
17. Front Shock Absorber Bolt (1) >> Remove



18.
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19. Disconnect the electrical connector. (2)

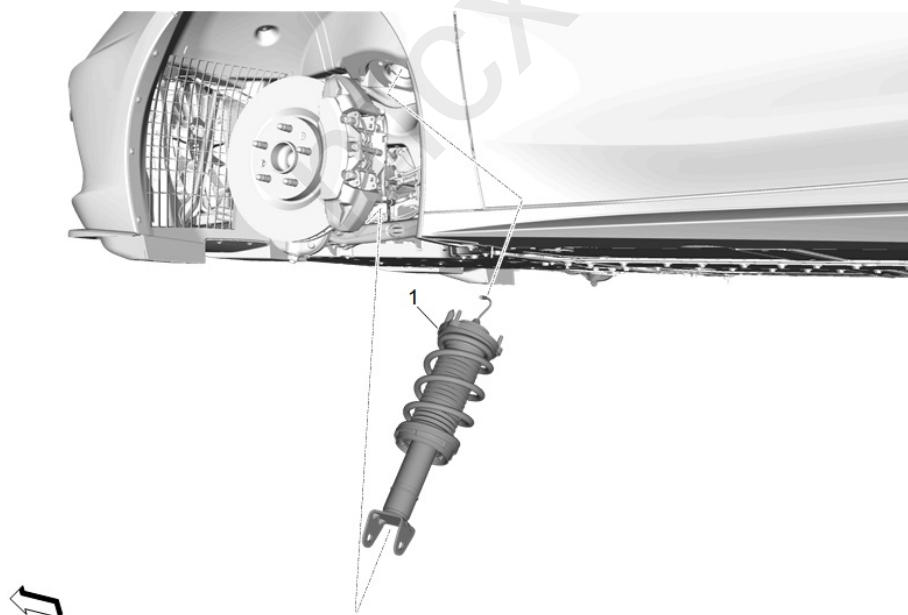
20. Front Shock Absorber Upper Mounting Nut (1) >> Remove [3x]



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

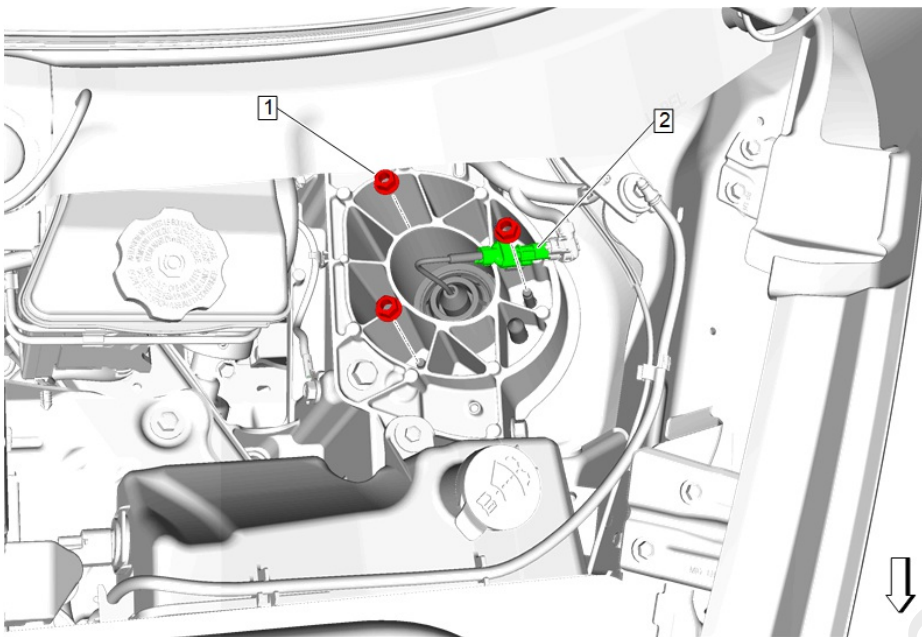
22. Reposition the front upper and lower control arms and remove the front shock absorber (1).

Installation Procedure



1.
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2. Reposition the front upper and lower control arms and install the front shock absorber (1).

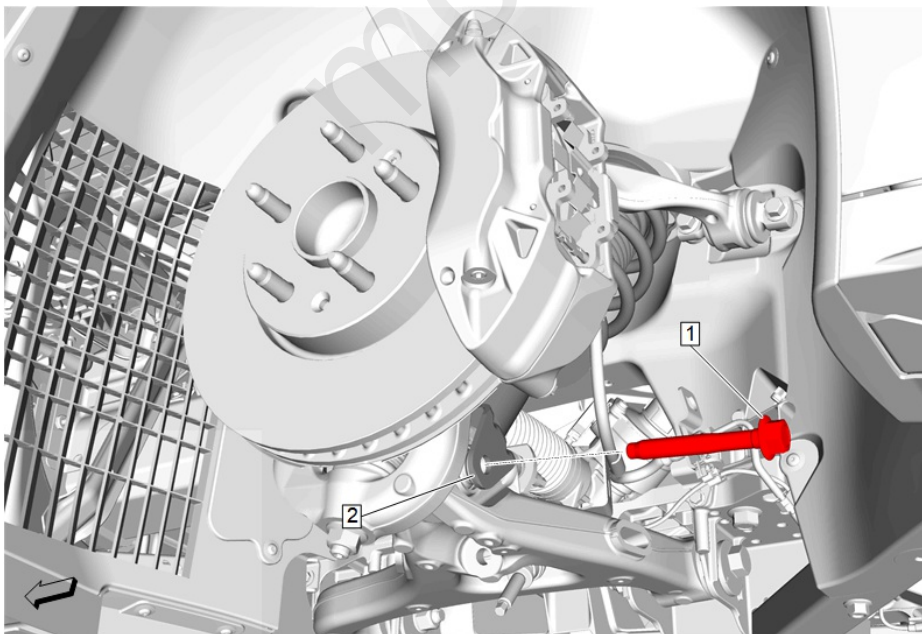


3. [Click here for full size](#)

4. Caution:

Refer to Fastener Caution.

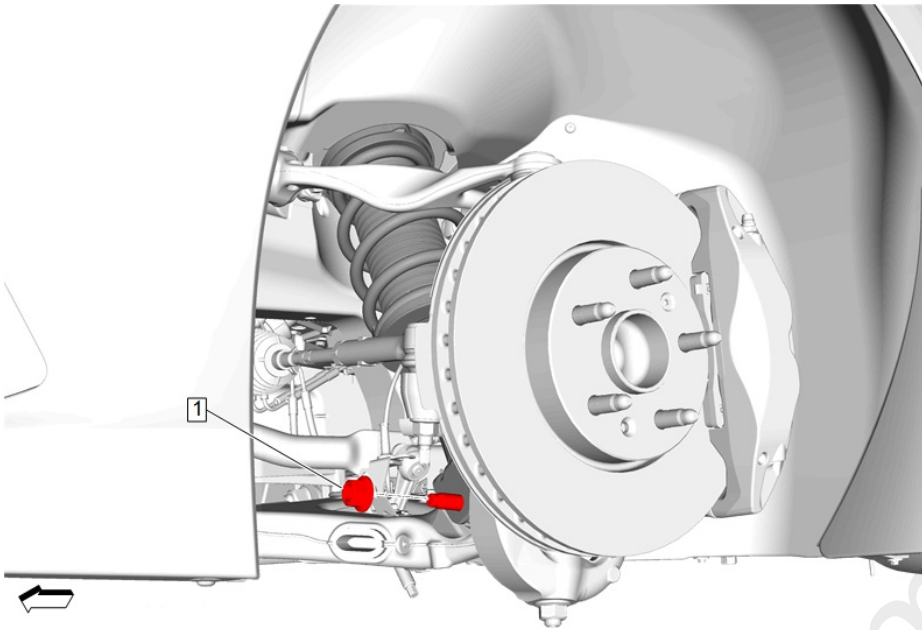
5. Front Shock Absorber Upper Mounting Nut (1) >> Install and tighten [3x]30 N-m (22 lb ft)
6. Connect the electrical connector. (2)



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

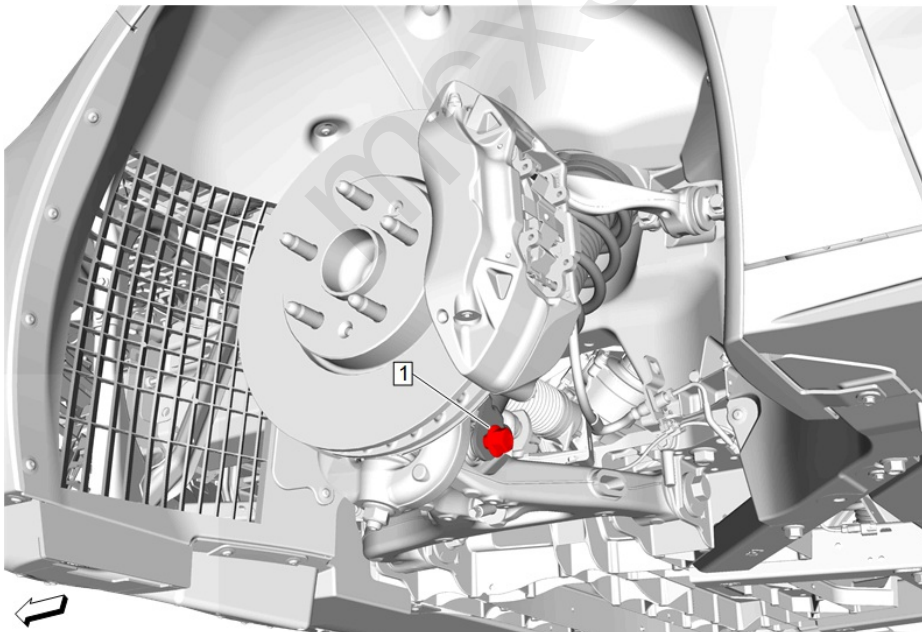
8. Front Shock Absorber Bolt (1) >> Install

9. FRONT SHOCK ABSORBER BOLT (1) >> Install



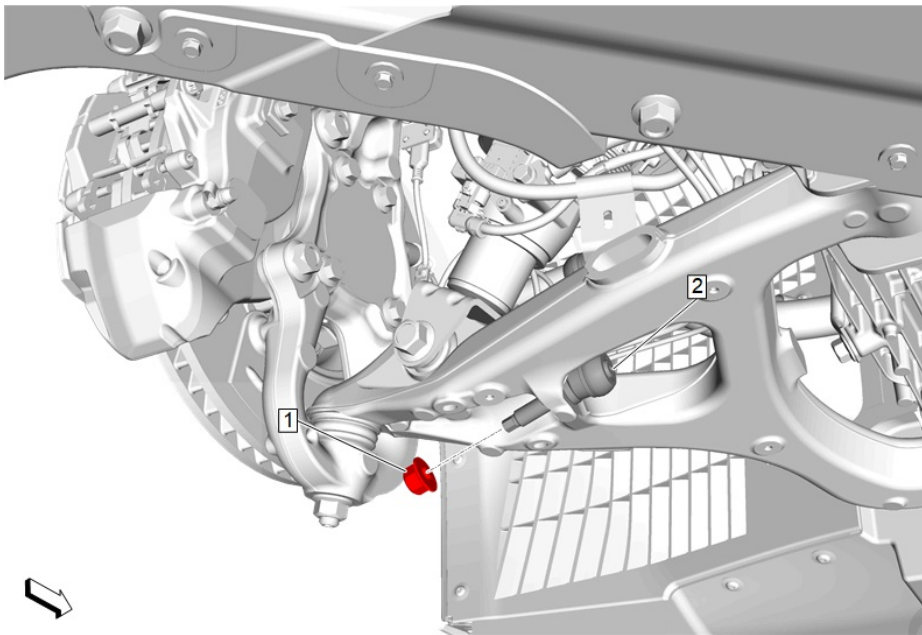
9.
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10. Front Shock Absorber Nut (1) >> Loosely install

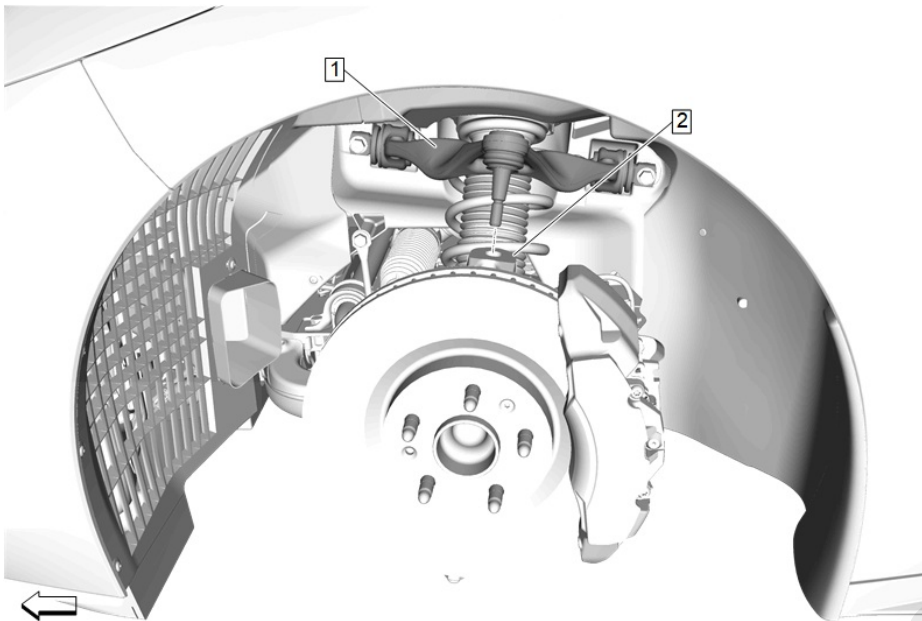


11.
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12. Front Shock Absorber Bolt (1) >> Tighten 160 N-m(118 lb ft)



13.
Click [here](#) for full size
14. Position the front stabilizer shaft link (2) in the front lower control arm.
15. Install and tighten the lower front stabilizer shaft link nut (1):
16.
 - Front Stabilizer Shaft Link Replacement - Right Side
 - Front Stabilizer Shaft Link Replacement - Left Side



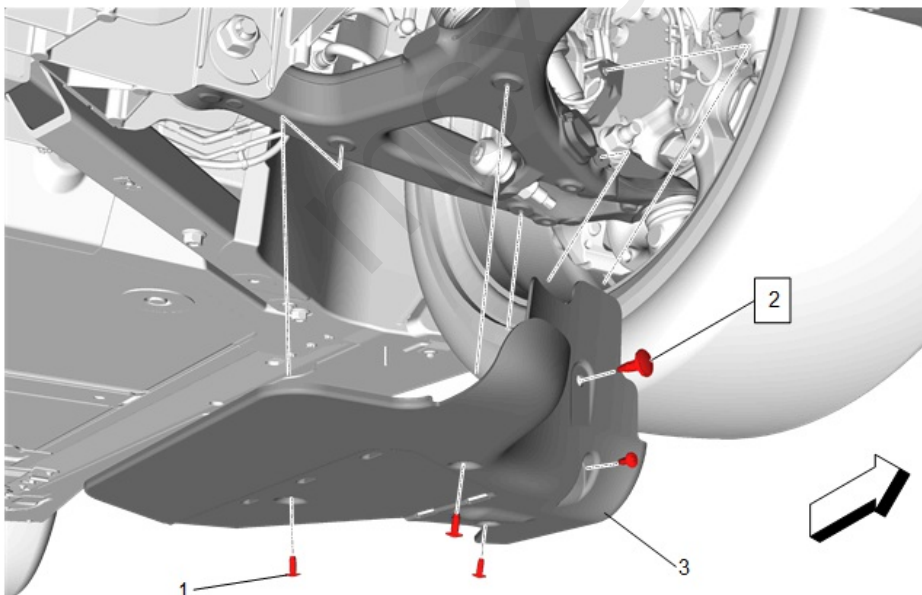
17.

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

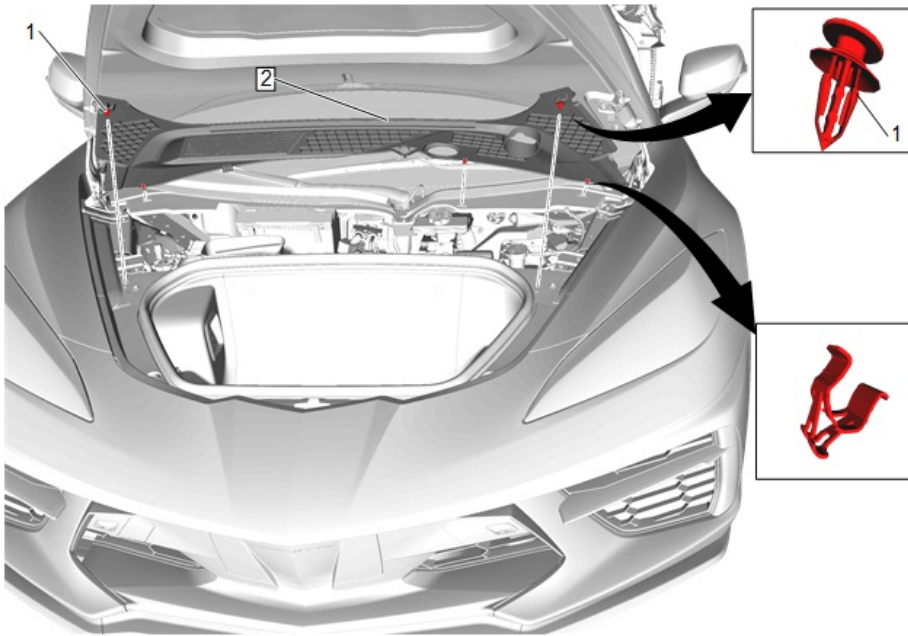


21.

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

23. Remove the support and lower the vehicle.



24.
[Click here for full size](#)

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

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