

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Steering**
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Steering Linkage Outer Tie Rod Replacement

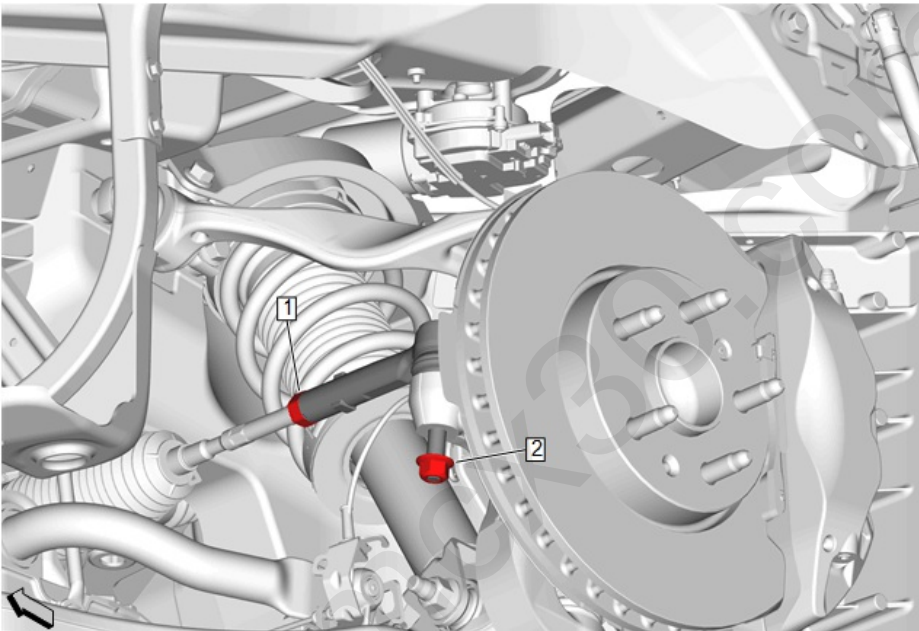
Special Tools

CH-42188 *Ball Joint Separator*

Equivalent regional tools: Special Tools

Removal Procedure

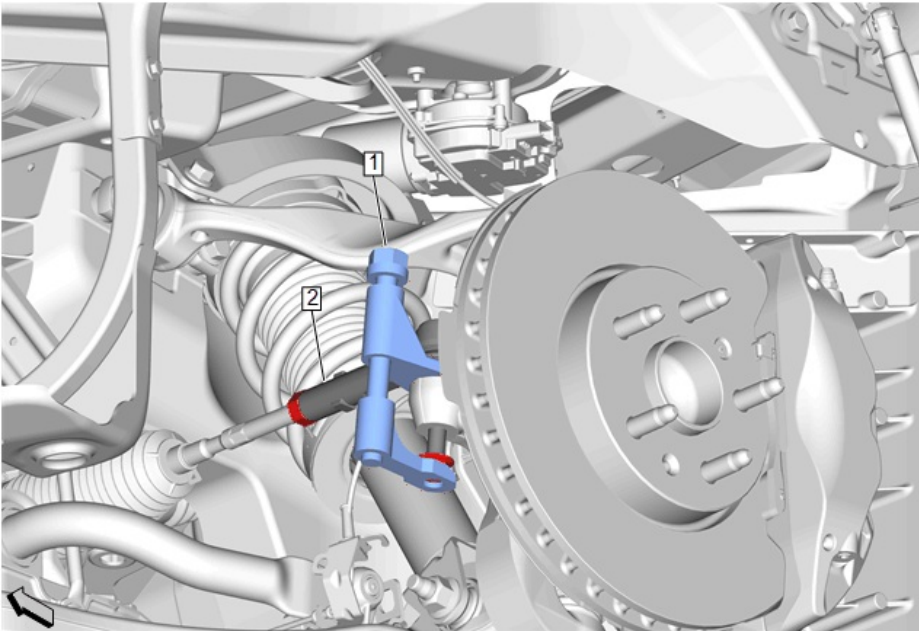
1. Remove the front tire and wheel assembly. Tire and Wheel Removal and Installation



2. [Click here for full size](#)
3. Steering Linkage Inner Tie Rod Nut (1) >> Loosen
4. Note:

The steering linkage outer tie rod nut should be flush with the end of the steering linkage outer tie rod.

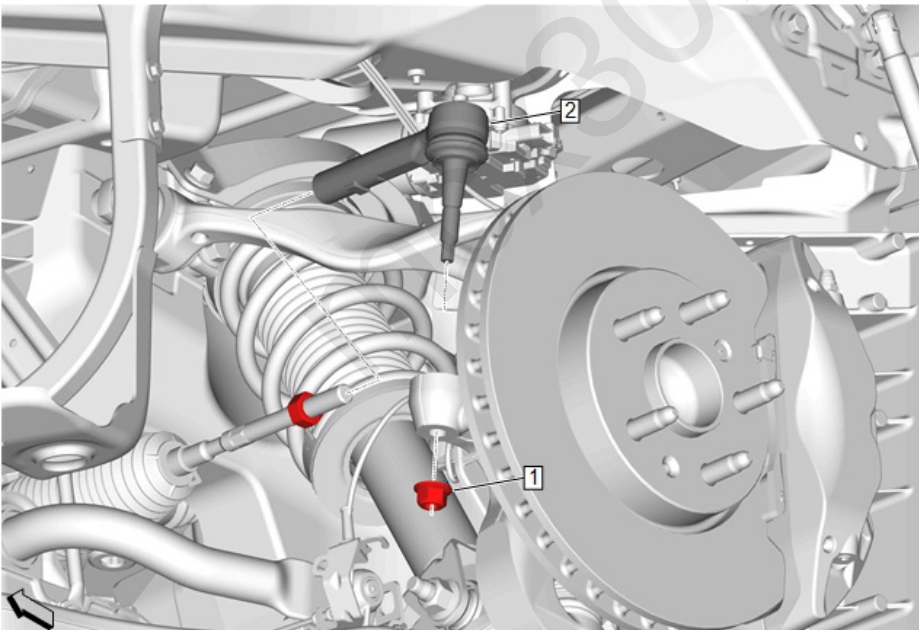
5. Steering Linkage Outer Tie Rod Nut (2) >> Loosen



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

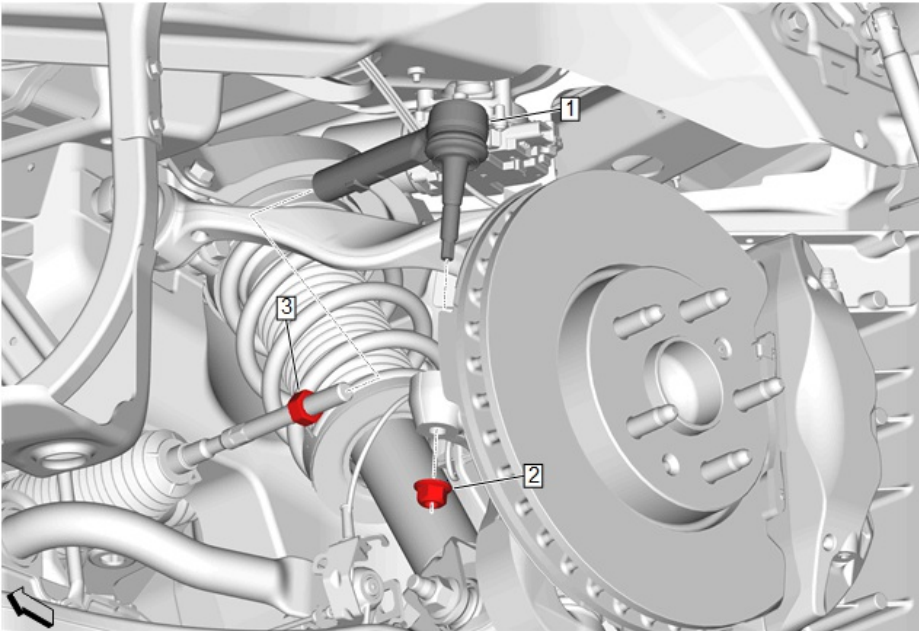
Do not attempt to disconnect a steering linkage joint by driving a wedge between the joint and the attached part. Seal damage may result which will cause premature failure of the joint.

8. Use the CH-42188 Ball Joint Separator (1) to separate the steering linkage outer tie rod (2) at the steering knuckle.
9. Remove the CH-42188 Ball Joint Separator (1).



10. [Click here for full size](#)
11. Steering Linkage Outer Tie Rod Nut (1) >> Remove
12. Steering Linkage Outer Tie Rod (2) >> Remove
13. Clean the steering linkage inner tie rod threads and inspect for damage. Replace, if necessary. [Steering Linkage Inner Tie Rod Replacement](#)
14. Clean the tapered surface of the steering knuckle and inspect for damage. Replace, if necessary. [Steering Knuckle Replacement](#)

Installation Procedure



1. [Click here for full size](#)
2. Steering Linkage Outer Tie Rod (1) >> Install
3. Caution:
Fastener Caution.
4. Steering Linkage Outer Tie Rod Nut (2) >> Install and tighten
5.
 1. First Pass: 30 N-m (22 lb ft)
 2. Final Pass: 115°±125 degrees
6. Tighten the steering linkage inner tie rod nut (3) during the front toe adjustment procedure.
7. Install the front tire and wheel assembly. Tire and Wheel Removal and Installation
8. Measure and adjust the front toe. Wheel Alignment - Steering Wheel Angle and/or Front Toe Adjustment