

2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

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

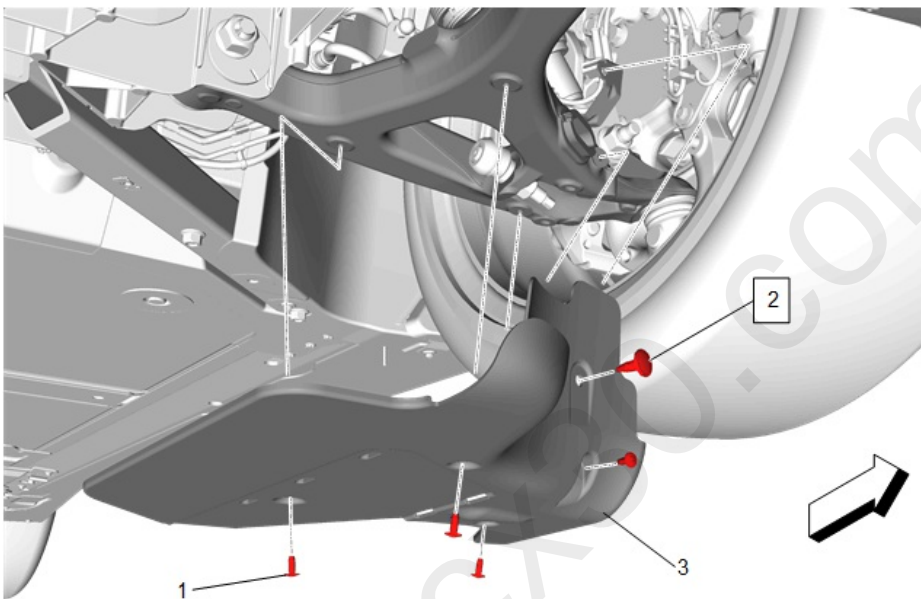
Lower Control Arm Ball Joint Inspection

Special Tools

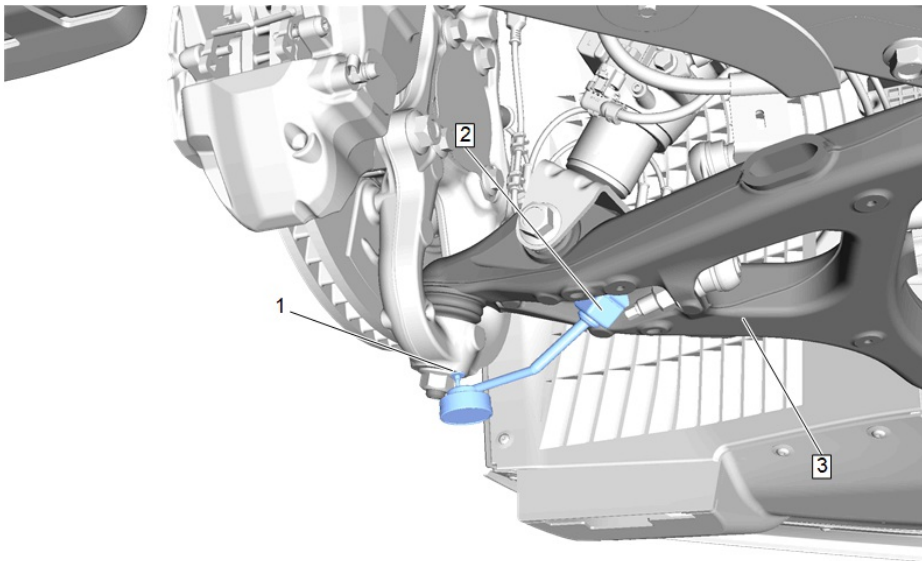
GE-8001, Dial Indicator Set

Equivalent regional tools: Special Tools

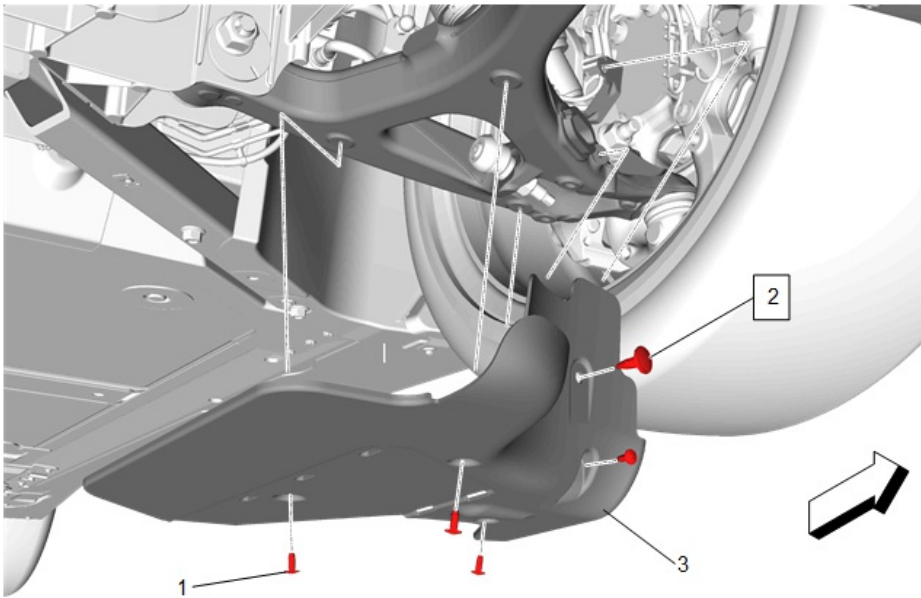
1. Raise and support the vehicle. Lifting and Jacking the Vehicle



2. [Click here for full size](#)
3. { If equipped } Front Brake Rotor Cooling Duct Deflector (3) >> Remove - Front Brake Rotor Cooling Duct Deflector Replacement
4. Remove the front tire and wheel assembly. Tire and Wheel Removal and Installation
5. Clean and inspect the front lower control arm ball joint seal for cuts or tears. If the front lower control arm ball joint seal is damaged, replace the front lower control arm. Front Lower Control Arm Replacement



6. [Click here for full size](#)
7. Install the base (2) of the *GE-8001* Dial Indicator Set, or suitable dial indicator to the front lower control arm (3).
8. Install the dial indicator of the *GE-8001* Dial Indicator Set with the contact point (1) positioned at the steering knuckle.
9. **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.
10. Push up on the steering knuckle toward the front lower control arm (3) and zero the dial indicator.
11. Pull down on the steering knuckle and record the dial indicator reading.
12. If the dial indicator reading is more than 0.50 mm (0.020 in), replace the front lower control arm.
13. Install the front tire and wheel assembly.



14. [Click here for full size](#)
15. { If equipped } Front Brake Rotor Cooling Duct Deflector (3) >> Install - Front Brake Rotor Cooling Duct Deflector Replacement
16. Repeat steps 2 - 11 for the remaining front lower control arm ball joint.
17. Remove the support and lower the vehicle.