

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Suspension**
2. **Front Suspension**
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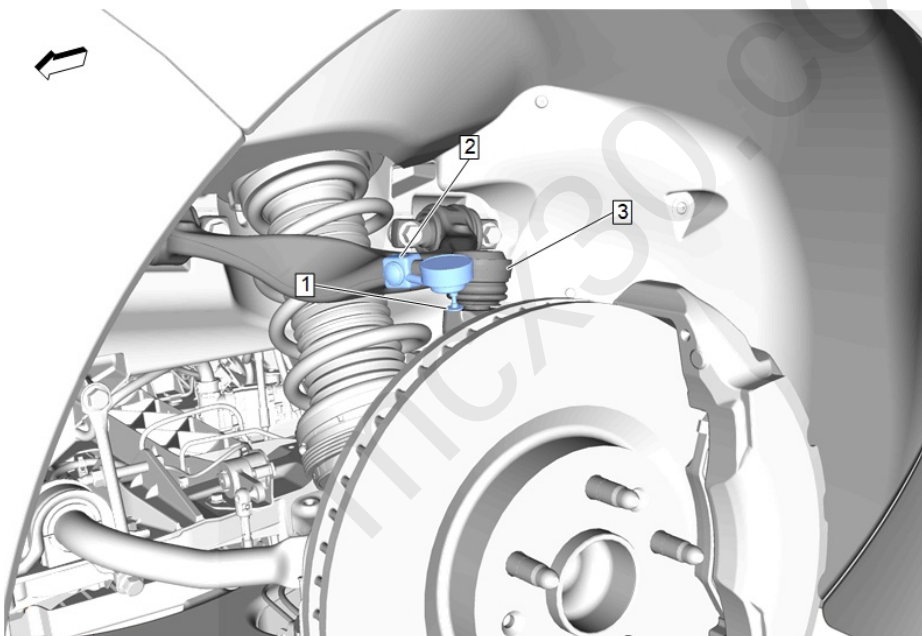
Upper Control Arm Ball Joint Inspection

Special Tools

GE-8001Ã,Ã Dial Indicator Set

Equivalent regional tools: Special Tools

1. Raise and support the vehicle. Lifting and Jacking the Vehicle
2. Remove the front tire and wheel assembly. Tire and Wheel Removal and Installation
3. Clean and inspect the front upper control arm ball joint seal for cuts or tears. If the front upper control arm ball joint seal is damaged, replace the front upper control arm. Front Upper Control Arm Replacement



- 4.
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5. Install the base (2) of the GE-8001Ã,Ã Dial Indicator Set, or suitable dial indicator to the front upper control arm (3).
6. Install the dial indicator of the GE-8001Ã,Ã Dial Indicator Set with the contact point (1) positioned at the steering knuckle.
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. Push down on the front upper control arm (3) toward the steering knuckle and zero the dial indicator.
9. Pull up on the front upper control arm (3) and record the dial indicator reading.

10. If the dial indicator reading is more than 0.50 mm (0.020 in), replace the front upper control arm (3). Front Upper Control Arm Replacement
11. Install the front tire and wheel assembly. Tire and Wheel Removal and Installation
12. Repeat steps 2 - 9 for the remaining front upper control arm ball joint.
13. Remove the support and lower the vehicle.

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