

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

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

Lower Control Arm Ball Joint Inspection

Special Tools

J-8001 Æ, Æ Dial Indicator Set

Equivalent regional tools: Special Tools

1. Raise and support the vehicle. Lifting and Jacking the Vehicle
2. Remove the rear tire and wheel assembly. Tire and Wheel Removal and Installation
3. Clean and inspect the rear suspension lower control arm ball joint seal for cuts or tears. If the rear suspension lower control arm ball joint seal is damaged, replace the rear suspension lower control arm. Rear Suspension Lower Control Arm Replacement
4. [Click here for full size](#)
5. Install the dial indicator clamp of the *J-8001* Æ, Æ Dial Indicator Set, or suitable dial indicator at or near the location (1) on the rear suspension lower control arm.
6. Install the dial indicator of the *J-8001* Æ, Æ Dial Indicator Set with the contact point (2) positioned at the rear suspension 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 up on the rear suspension knuckle away from the rear suspension lower control arm and zero the dial indicator.
9. Pull down on the rear suspension knuckle and record the dial indicator reading.
10. If the dial indicator reading is more than 0.50 mm (0.020 in), replace the rear suspension lower control arm. Rear Suspension Lower Control Arm Replacement
11. Install the rear tire and wheel assembly. Tire and Wheel Removal and Installation
12. Repeat steps 2 - 9 for the remaining rear suspension lower control arm ball joint.
13. Remove the support and lower the vehicle.