

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Brakes**

2. **Disc Brakes**

3. **Repair Instructions**

- 4.

Front Brake Rotor Replacement

Special Tools

- CH-41013, Rotor Resurfacing Kit
- CH-42450-A, Wheel Hub Resurfacing Kit

Equivalent regional tools: Special Tools

Warning:

The battery must be disconnected to prevent the brake master cylinder from pressurizing the hydraulic system during its automated self diagnostic tests that can possibly occur when a door is opened or the key transmitter is activated. Failure to follow this precaution may cause personal injury.

Warning:

Brake Dust Warning

Removal Procedure

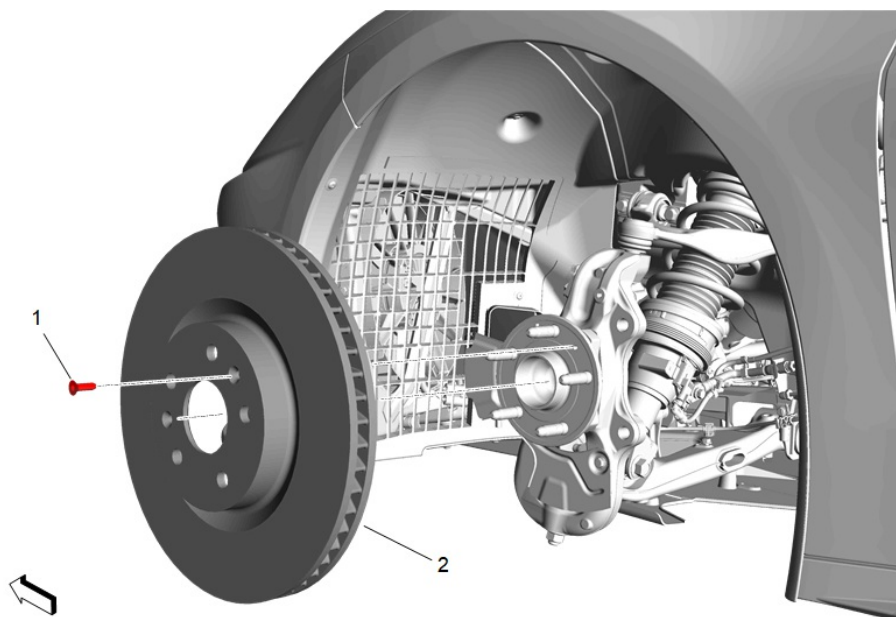
1. Disconnect the battery negative cable. Battery Negative Cable Disconnection and Connection
2. Raise and support the vehicle. Lifting and Jacking the Vehicle
3. Remove the tire and wheel assembly. Tire and Wheel Removal and Installation
4. Caution:

Support the brake caliper with heavy mechanic wire, or equivalent, whenever it is separated from its mount and the hydraulic flexible brake hose is still connected. Failure to support the caliper in this manner will cause the flexible brake hose to bear the weight of the caliper, which may cause damage to the brake hose and in turn may cause a brake fluid leak.

5. Note:

Do NOT disconnect the hydraulic brake flexible hose from the caliper.

6. Remove the brake caliper and support with heavy mechanics wire. Front Brake Caliper Replacement



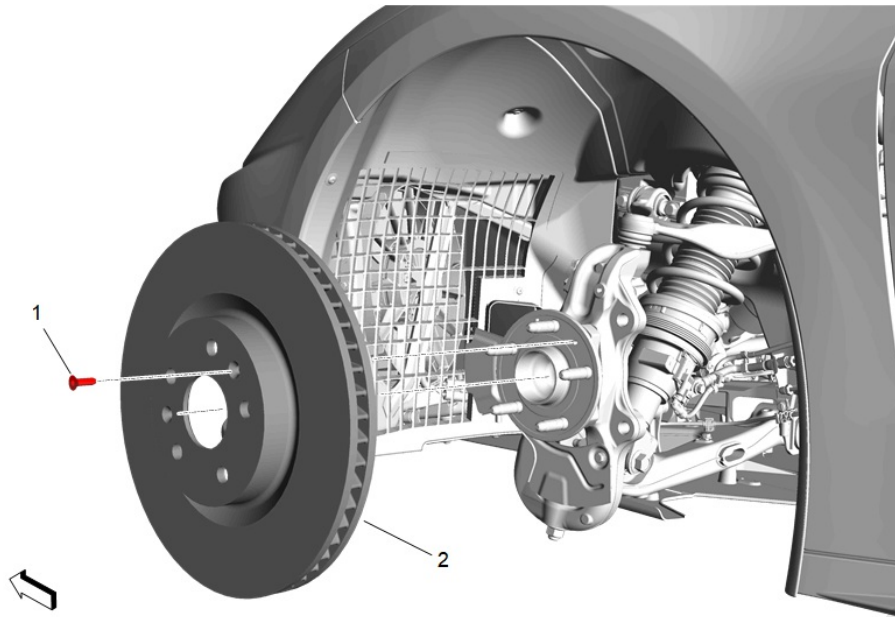
7.
[Click here for full size](#)
8. Front Brake Rotor Bolt (1) >> Remove
9. Front Brake Rotor (2) >> Remove

Installation Procedure

1. Note:

Whenever the brake rotor has been separated from the hub/axle flange, any rust or contaminants should be cleaned from the hub/axle flange and the brake rotor mating surfaces. Failure to do this may result in excessive assembled lateral runout (LRO) of the brake rotor, which could lead to brake pulsation.

2. Using *CH-41013* Rotor Resurfacing Kit, thoroughly clean any rust or corrosion from the mating surface and mounting surface of the brake rotor.
3. Using *CH-42450-AA* Wheel Hub Resurfacing Kit, thoroughly clean any rust or corrosion from the mating surface of the hub/axle flange.
4. Inspect the mating surfaces of the hub/axle flange and the rotor to ensure there are no foreign particles or debris remaining.



5. [Click here for full size](#)
6. Front Brake Rotor (2) >> Install
7. Caution:
Fastener Caution
8. Front Brake Rotor Bolt (1) >> Install and tighten 12 N-m (106 lb in)
9. Front Brake Caliper >> Install - Front Brake Caliper Replacement
10. Install the tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
11. Remove the supports and lower the vehicle.
12. Connect the battery negative cable. [Battery Negative Cable Disconnection and Connection](#)
13. Burnish the brake pads and rotors. [Brake Pad and Rotor Burnishing](#)