

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Brakes**

2. **Disc Brakes**

3. **Repair Instructions**

- 4.

Front Disc Brake Pads Replacement (J55)

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

Warning:

Brake Fluid Irritant Warning

Note:

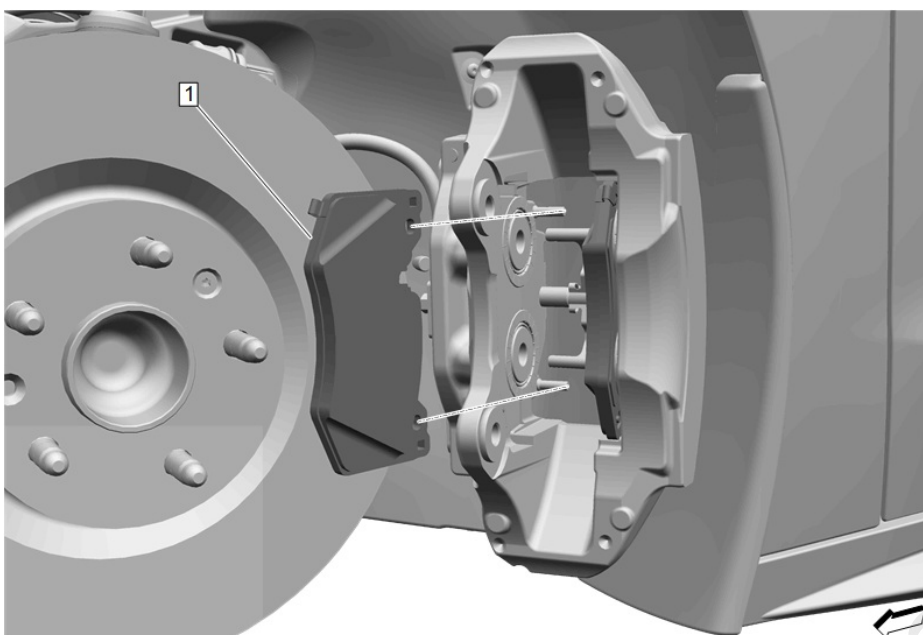
- Always replace disc brake pads in axle sets.
- It is only necessary to replace the front disc brake pad pins if they are corroded or damaged. The pins should not be removed to change the brake pads.

Removal Procedure

1. Disconnect the battery negative cable. Battery Negative Cable Disconnection and Connection
2. Inspect the fluid level in the brake master cylinder reservoir.
3. If the brake fluid level is midway between the maximum-full point and the minimum allowable level, no brake fluid needs to be removed before proceeding.
4. If the brake fluid level is higher than midway between the maximum-full point and the minimum allowable level, remove brake fluid to the midway point before proceeding.
5. Raise and support the vehicle. Lifting and Jacking the Vehicle
6. Remove the front tire and wheel assemblies. Tire and Wheel Removal and Installation
7. Caution:

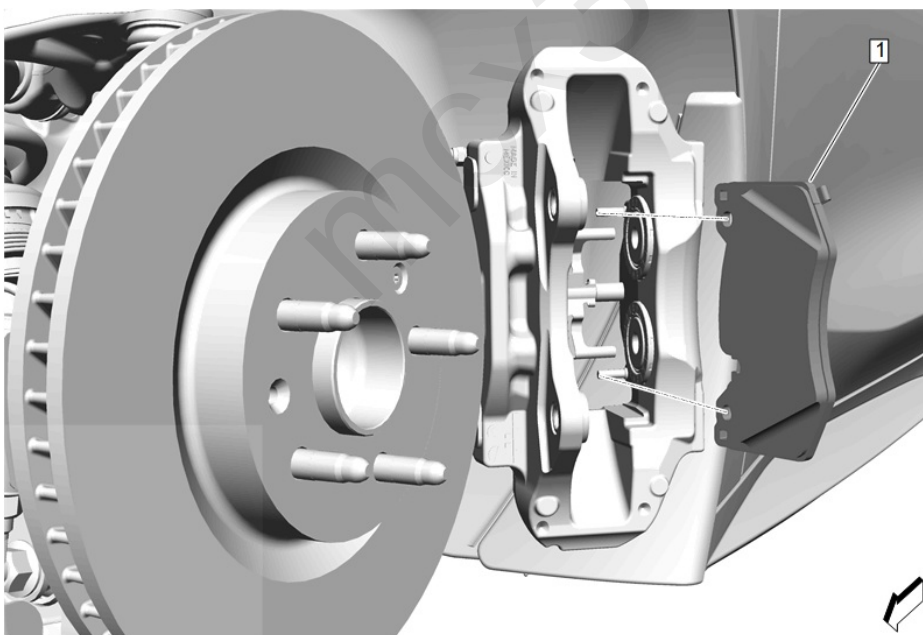
Support the brake caliper with heavy mechanic wire, or equivalent, whenever it is separated from its mount and the hydraulic flexible brake hose is still connected. Failure to support the caliper in this manner will cause the flexible brake hose to bear the weight of the caliper, which may cause damage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

8. Front Brake Caliper >> Reposition - Front Brake Caliper Replacement



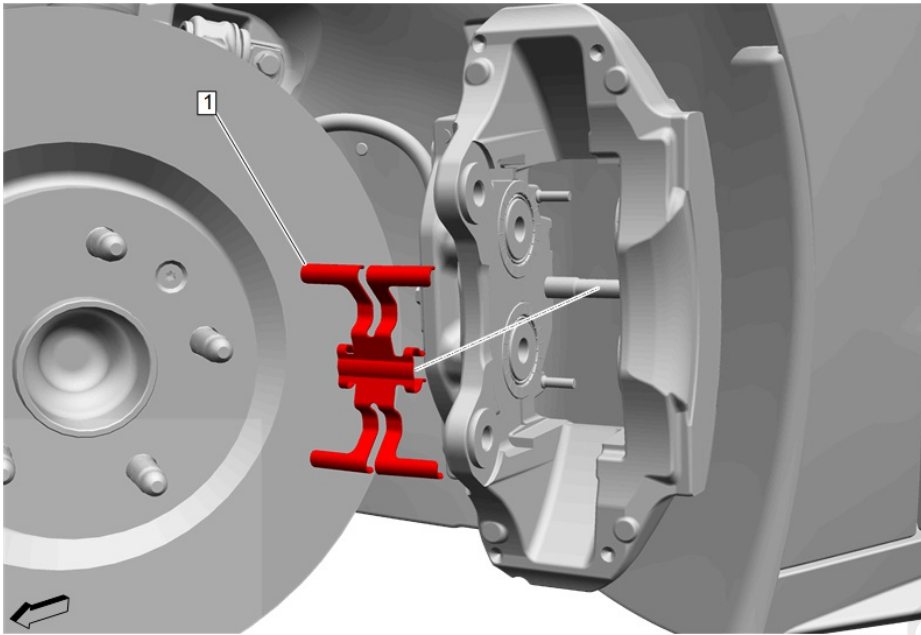
9.
[Click here for full size](#)

10. Front Disc Brake Pad - Inner (1) >> Remove



11.
[Click here for full size](#)

12. Front Disc Brake Pad - Outer (1) >> Remove



13. [Click here for full size](#)
14. Front Disc Brake Pad Retaining Spring (1) >> Remove
15. Use a suitable tool to compress the front brake caliper pistons into the front brake caliper.
16. [Click here for full size](#)
17. Note:

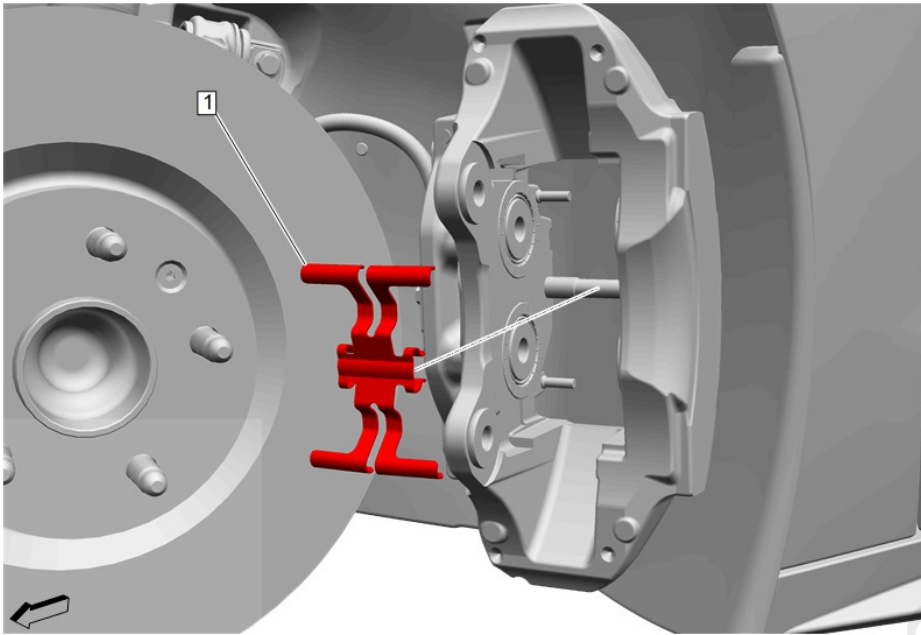
It is only necessary to replace the front disc brake pad pins if they are corroded or damaged. The pins should not be removed to change the brake pads.
18. Front Disc Brake Pad Pins (1) >> Remove and DISCARD [4x]

Installation Procedure

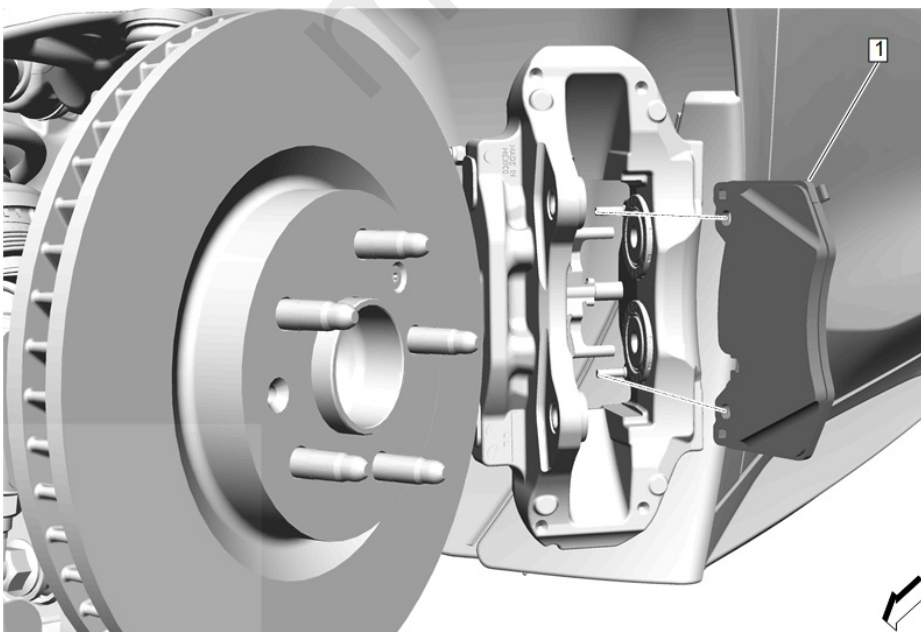
1. [Click here for full size](#)
2. Caution:

Fastener Caution
3. Note:

It is only necessary to replace the front disc brake pad pins if they are corroded or damaged. The pins should not be removed to change the brake pads.
4. Front Disc Brake Pad Pins (1) >> Install and tighten NEW [4x]25 N-m (18 lb ft)

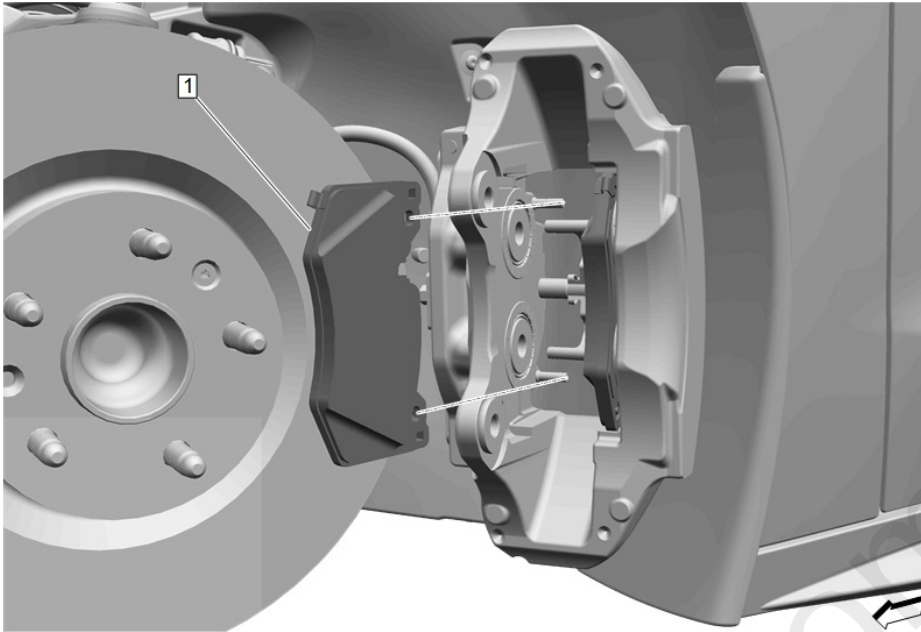


5. [Click here for full size](#)
6. Front Disc Brake Pad Retaining Spring (1) >> Install
7. Note:
Do not allow the anti-seize lubricant to contact the disc brake pad friction surfaces.
8. Apply approximately 0.09-0.15 g (0.003-0.005 oz) of anti-seize lubricant to each end of the disc brake pads abutments which contact the brake caliper. Adhesives, Fluids, Lubricants, and Sealers



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10. Front Disc Brake Pad - Outer (1) >> Install



11. [Click here for full size](#)
12. Front Disc Brake Pad - Inner (1) >> Install
13. Front Brake Caliper >> Install - Front Brake Caliper Replacement
14. Install the front tire and wheel assemblies. Tire and Wheel Removal and Installation
15. Remove the support and lower the vehicle.
16. With the engine OFF, gradually apply the brake pedal to approximately 2/3 of its travel distance.
17. Slowly release the brake pedal.
18. Wait 15 seconds, then repeat steps 9 - 10 until a firm brake pedal is obtained. This will properly seat the front brake caliper pistons and front disc brake pads.
19. Connect the battery negative cable. Battery Negative Cable Disconnection and Connection
20. Fill the brake master cylinder reservoir to the maximum-full level with GM approved brake fluid from a clean, sealed brake fluid container. Brake Master Cylinder Reservoir Filling
21. Burnish the brake pads and rotors. Brake Pad and Rotor Burnishing