

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Brakes**

2. **Disc Brakes**

3. **Repair Instructions**

- 4.

Brake Rotor Assembled Lateral Runout Correction - Indexing

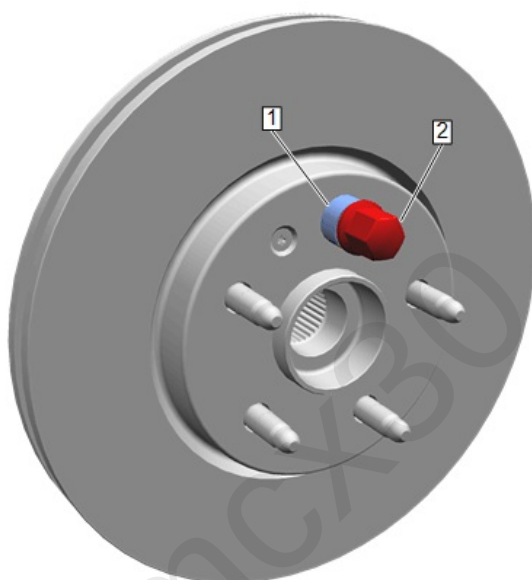
Note:

This Procedure is not used in Europe

Special Tools

CH-45101-100, Conical Brake Rotor Washers

For equivalent regional tools, refer to Special Tools.



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

2. **Warning:**

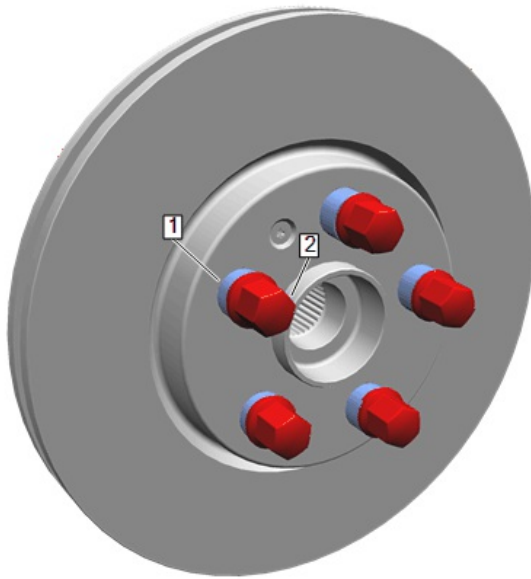
Refer to Brake Dust Warning.

3. **Note:**

- Brake rotor thickness variation **MUST** be checked **BEFORE** checking for assembled lateral runout (LRO). Thickness variation exceeding the maximum acceptable level can cause brake pulsation. [Brake Rotor Thickness Variation Measurement](#)
- Brake rotor assembled LRO exceeding the maximum allowable specification can cause thickness variation to develop in the brake rotor over time, usually between 4,800–11,300 km (3,000–7,000 mi). [Brake Rotor Assembled Lateral Runout Measurement](#)

4. Remove the *CH-45101-100*, Conical Brake Rotor Washers and the lug nuts that were installed during the assembled LRO measurement procedure.
5. Inspect the mating surface of the hub/axle flange and the brake rotor to ensure that there are no foreign particles or debris remaining.
6. Index the brake rotor in a different orientation to the hub/axle flange.
7. Hold the rotor firmly in place against the hub/axle flange and install one of the *CH-45101-100*, Conical Brake Rotor Washers (1) and one lug nut (2) onto the upper-most wheel stud.

8. Continue to hold the rotor secure and tighten the lug nut firmly by hand.



9.
Click here for full size
10. Install the remaining *CH-45101-100* Conical Brake Rotor Washers and lug nuts onto the wheel studs and tighten the nuts firmly by hand in a star-pattern.
11. Tighten the lug nuts in a star-pattern to specification, in order to properly secure the rotor. Tire and Wheel Removal and Installation
12. Measure the assembled LRO of the brake rotor. Brake Rotor Assembled Lateral Runout Measurement
13. Compare the amount of change between this measurement and the original measurement.
14. If this measurement is within specifications, proceed to step 14.
15. If this measurement still exceeds specifications, repeat steps 1 through 9 until the best assembled LRO measurement is obtained.
16. Matchmark the final location of the rotor to the wheel studs if the orientation is different than it was originally.
17. If the brake rotor assembled LRO measurement still exceeds the maximum allowable specification, refer to Brake Rotor Assembled Lateral Runout Correction.
18. If the brake rotor assembled LRO is within specification, install the brake caliper and depress the brake pedal several times to secure the rotor in place before removing the *CH-45101-100* Conical Brake Rotor Washers and the lug nuts.