

**2004 Chevy Truck Avalanche 1500 2WD V8-5.3L VIN T**

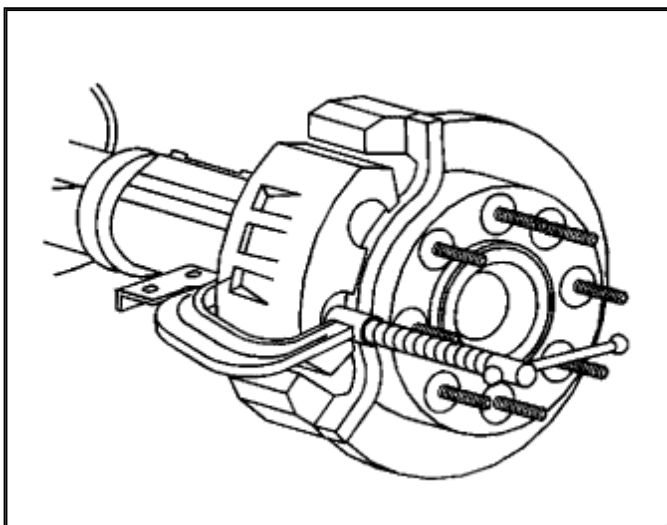
[Vehicle Level](#) → [Brakes and Traction Control](#) → [Disc Brake System](#) → [Brake Rotor/Disc](#) → [Service and Repair](#) → [Brake Rotor Replacement](#) → [Rear \(W/O NYS\)](#) ←

**Rear (W/O NYS)**[Notes](#)**Brake Rotor Replacement - Rear (W/O NYS)**

**Caution:** Refer to Brake Dust Caution in Service Precautions.

**Removal Procedure****Tools Required**

- J41013 Rotor Resurfacing Kit
  - J42450-A Wheel Hub Resurfacing Kit
1. Release the park brake.
  2. Raise and suitably support the vehicle. Refer to Vehicle Lifting..
  3. Remove the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation in Tires and Wheels.
  4. Mark the relationship of the rotor to the axle flange.

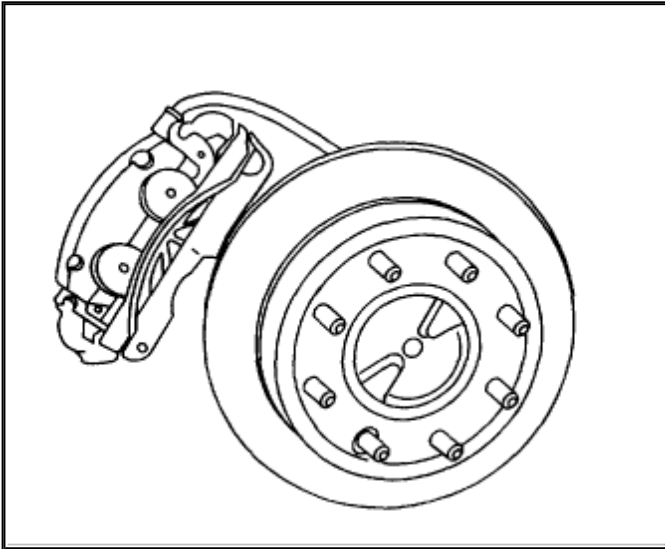


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5. Install a C-clamp over the body of the [brake caliper](#), with the C-clamp ends against the rear of the caliper body and the outboard disc brake pad.

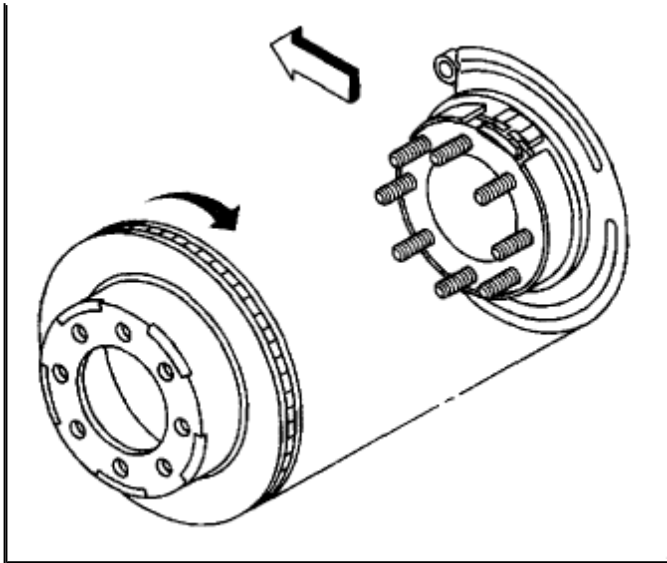
6. Slowly tighten the C-clamp until the pistons are pushed into the caliper bores enough to remove the caliper from the pads.
7. Remove the C-clamp from the caliper.
8. Remove the [brake caliper](#) bracket mounting bolts.

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**Notice:** Support the [brake caliper](#) with heavy mechanic's 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.

9. Remove the [brake caliper](#) and brake caliper bracket as an assembly and support with heavy mechanic's wire or equivalent. DO NOT disconnect the hydraulic brake flexible hose from the caliper.
10. Remove the rotor retaining push nuts from the wheel studs, if applicable.
11. It may be necessary to strike the end of the hub or the rotor with a deadblow hammer to separate the rotor from the hub.



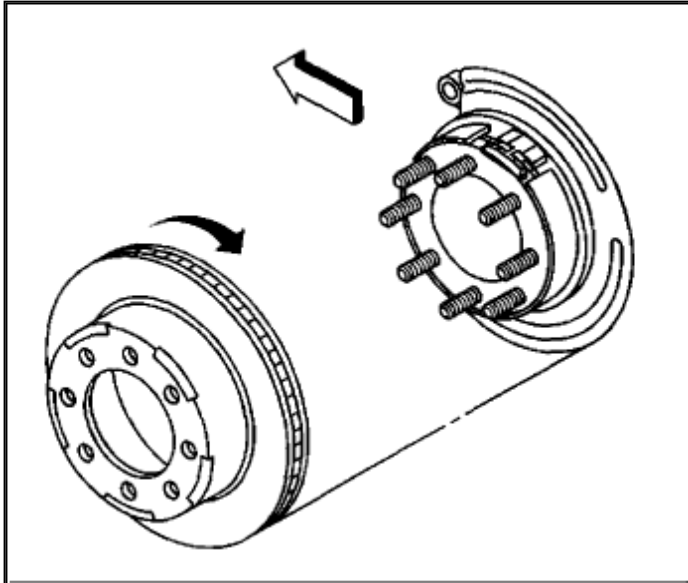


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12. Remove the rotor by slowly turning the rotor while pulling the rotor away from the axle.

### Installation Procedure

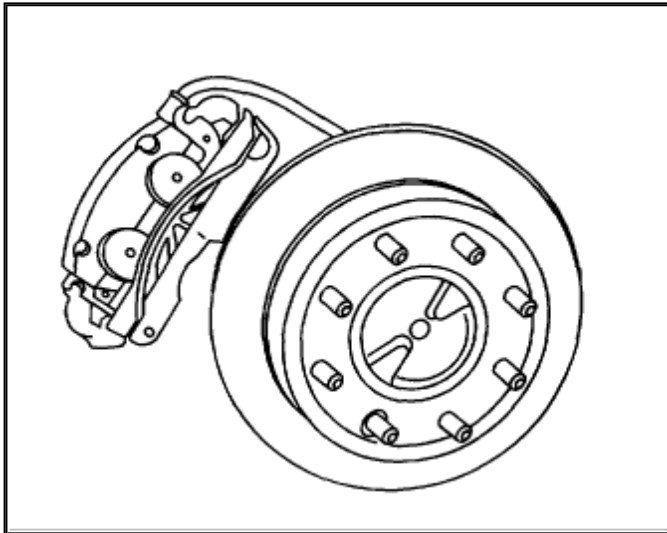


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**Important:** Whenever the brake rotor has been separated from the hub/axle flange, any rust or contaminants should be cleaned from the hub/axle flange and the brake rotor mating surfaces. Failure to do this may result in excessive assembled lateral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

1. Use the J42450-A to clean all rust and contaminants from the mating surface of the hub flange.
2. Use the J41013 to clean all rust and contaminants from the inside diameter of the hat section of the brake rotor to prevent any foreign material from getting between the brake rotor and the hub flange.
3. Inspect the mating surfaces of the hub/axle flange and the rotor to ensure that there are no foreign particles or debris remaining.
4. Align the rotor to its original position on the hub, if applicable, and install the rotor by slowly turning the rotor while pushing the rotor towards the axle.
5. If the brake rotor was removed and installed as part of a brake system repair, measure the assembled Lateral Runout (**LRO**) of the brake rotor to ensure optimum performance of the disc brakes. Refer to Brake Rotor Assembled Lateral Runout (**LRO**) Measurement.
6. If the brake rotor assembled LRO measurement exceeds the specification, bring the LRO to within specifications. Refer to Brake Rotor Assembled Lateral Runout (**LRO**) Correction.

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7. Install the caliper and the bracket as an assembly to the vehicle.
8. Perform the following procedure before installing the caliper bracket mounting bolts.
  - Remove all traces of the original adhesive patch.
  - Clean the threads of the bolt with brake parts cleaner or the equivalent and allow to dry.
  - Apply Threadlocker GM P/N 12345493 (Canadian P/N 10953488) to the threads of the bolt.

**Notice:** Refer to Fastener Notice in Service Precautions.

9. Install the caliper bracket mounting bolts.

- Tighten the [brake caliper](#) bracket mounting bolts to **175 Nm (129 ft. lbs.)** (15 Series).
  - Tighten the [brake caliper](#) bracket mounting bolts to **300 Nm (221 ft. lbs.)** (25 Series).
10. Install the tire and wheel assembly. Refer to Tire and Wheel Removal and Installation in Tires and Wheels.
  11. Lower the vehicle.
  12. With the engine OFF, gradually apply the brake pedal to approximately 2/3 of its travel distance.
  13. Slowly release the brake pedal.
  14. Wait 15 seconds, then repeat steps 12-13 until a firm pedal is obtained. This will properly seat the [brake caliper](#) pistons and [brake pads](#).
  15. Fill the master cylinder reservoir to the proper level with clean [brake fluid](#). Refer to Master Cylinder Reservoir Filling in Hydraulic Brakes.