

## Z1 2-PIECE ROTOR REBUILD KIT ASSEMBLY MANUAL



### PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

### WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports 2-Piece Rotor Rebuild Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	2	Iron Rotor Disc
2	2	Aluminum Rotor Hub
3	20	M6-1.0 x 20mm Flange Head Bolt
4	20	M6-1.0 Brake Hub T-Nut
5	2	Loctite #271 Thread Locker

## **TOOLS REQUIRED:**

- Ratchet
- Torque Wrench
- 10mm Socket
- Center Punch (optional)
- Hammer (optional)

## **SAFETY REQUIREMENTS:**

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Motorsports 2-Piece Rotor Rebuild Kit and verify that ALL necessary hardware is present.

## **PROCEDURE:**

1. Locate aluminum hub and place onto workbench, facing downward.
2. Locate iron disc. Place disc over aluminum hub. Align mounting holes of hub with mounting holes of disc.
3. Locate M6-1.0 T-nuts. Insert T-nut through each mounting hole along outside of aluminum hub (as shown)

Note: Z1 front rotors have (10) mounting holes. Z1 rear rotors have (8) mounting holes.

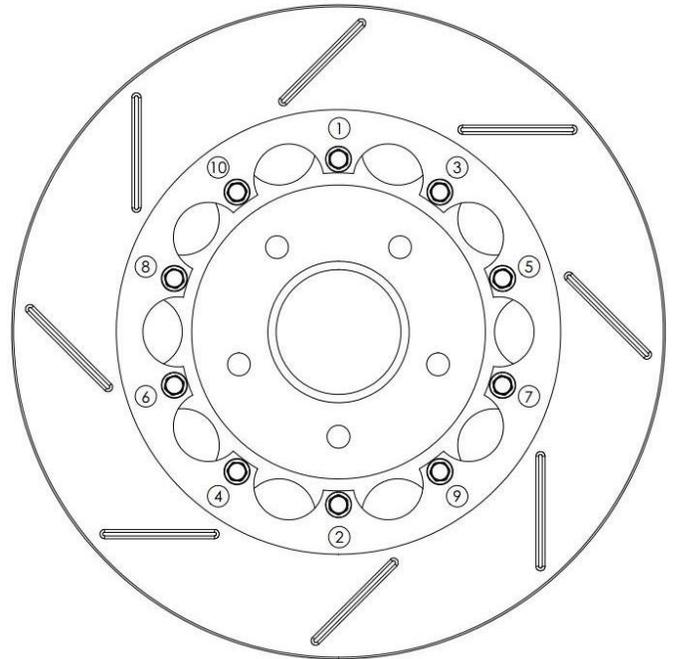
Note: Assure that shoulder of each T-nut is aligned with mounting holes along inside of disc.



4. Locate M6-1.0 x 20mm bolts. Apply a small amount of Loctite #271 thread locker to the end of each bolt.
5. Insert bolt through backside of iron disc & aluminum hub. Thread into T-nut until head is flush with disc. **DO NOT TIGHTEN.**
6. Repeat step #5 to remaining mounting holes.
7. Locate torque wrench. Apply 96in-lbs to each M6 bolt in sequence pattern shown below.

Note: Assure that flange of T-nut is flush against aluminum hub.

Note: DO NOT tighten hardware any further. Tightening hardware beyond specifications can be as dangerous as under-tightening and will lead to service failure.



8. Repeat steps #1 through #7 to remaining rotor assemblies.

Note: Thread locker sets in approximately 10 minutes and fully cures in 24 hours. Do not operate 2-Piece Rotors until thread locker fully cures.



**Pro Tip!**

Extend the security of your hardware during harsh racing conditions by using a center punch and hammer to deform bolt threads extending past T-nut.

**END**

**Additional Technical Support:**

Contact Z1 Motorsports at [info@z1motorsports.com](mailto:info@z1motorsports.com)  
Or call 770-838-7777 between 9am and 6pm ET