



StopTech AeroRotor Replacement / Drive Pin Installation Guide

1. Remove rotor and hat assemblies from the vehicle.
2. Remove the Allen bolts from the drive pins with a 4mm Allen wrench. A T-handle wrench works very well. Be sure the end of the Allen wrench is not rounded.
 - A. The Loctite applied at the factory holds very tightly, and occasionally a bolt may strip or break. Heat may be cautiously used to soften the Loctite. In extreme cases, it may be necessary to use Vise-Grip™ pliers to grip the head of the bolt and get it broken loose.
 - B. If using existing drive pins, leave them installed in the hat and skip ahead to step #5.

NOTE: StopTech recommends replacing drive pins at the time of rotor replacement, especially if severe driving conditions have been encountered. Drive pins come in two lengths. The pin should protrude slightly past the rotor. It should not be recessed or sticking out beyond the rotor more than approximately 0.006-0.008 inch.

3. Remove the drive pins from the hat. It may be necessary to lightly tap out some pins. If a drive pin is difficult to remove, screw one of the old bolts into the drive pin from the inside of the hat and tap the drive pin out by gently striking the bolt head. Be careful not to drive the head of the bolt into the hole in the hat. A drop of light oil or penetrating fluid on the outside of the drive pin body can facilitate pin removal.
4. Inspect hats for signs of corrosion, cracking, or any type of damage that would affect continued use. If any signs of accelerated wear are present on the hats, do NOT put them back into service. Contact StopTech Customer Service to determine the best course of action.
5. Install the new drive pins into each hat. They should slide in, but may require light tapping. Be certain that the flat on each drive pin aligns with the hat register and that the head of the drive pin is fully seated on the flange of the hat.
6. Wash new rotors per instruction in the Installation & Bed-In Procedure included with your new rotors.
7. If possible, stand rotor vertically to prepare for assembly. A small vise equipped with soft jaws can be used to gently hold the rotor in place. Be sure not to damage the surface of the rotor in the vice.
8. Pre-install washers onto bolts. See the illustration included with the drive pin kit.
9. Place the hat (with drive pins installed) onto the rotor and install the bolts until the washer just touches the rotor, leaving the bolt slightly loose. Be sure the drive pins are fully seated on the hat as each bolt is tightened. If the drive pins are not clocked properly against the hats, permanent damage to the hats may result.
10. After loosely installing all bolts, lay the hat/rotor assembly "hat-side-up" on a flat surface. Place **ONE DROP** of 290 Loctite in the threads of each drive pin.

NOTE: This type of Loctite is specifically designed to wick into the threads and should NOT be applied to the bolts before installation.

11. Tighten the bolts to 62-72 in-lb (5.2-6 ft-lb).

NOTE: If a torque wrench that is accurate at the listed torque value is not available at the time of installation, moderately tightening the bolts will suffice. The Loctite, when applied correctly, holds very well. Do **NOT** over-torque the bolts.
12. Clean up any excess Loctite on the hat/rotor assembly with a clean rag or paper towel.
13. Rotor assemblies can immediately be installed on the vehicle and bedded in. **NEW ROTORS MUST BE BEDDED IN.** If unsure of proper bed-in procedure, please contact our Customer Service Department.

If you have any questions about rotor installation or any brake related issues, please call StopTech Customer Service at 310-218-1091 or e-mail: support@stoptech.com

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