

New or Replacement Rotor installation Guidelines

Please see the TCE web page for more assembly tips!

Inspect the rotor: Remove any nicks, burrs or dents in the surface, edge or in the bolt ring area. The surface must be flat and free of any high spots as this can lead to vibration. File any nicks or sharp edges as required. If your rotor is threaded it is strongly suggested that you run a tap (usually 5/16-24) through each hole prior to assembly and clean the thread with degreaser and blow dry. With machining and plating it is possible to have interference in this area so inspection is critical.

ROTORS MUST BE CLEANED OF ALL RUST INHIBITOR PRIOR TO ASSMBLY AND THE THREADS ALSO CLEANED FOR A PROPER LOCTITE BOND

Prep the Hat: Your rotor hat should also be inspected just like the rotor for any burrs or nicks that may interfere with the flush fit of the rotor upon assembly. File or sand any concerns. If threaded be sure the hat threads are clean and free of dirt or old Loctite. Clean with degreaser and blow dry before final assembly.

Bolt Torque Specs

If you have threaded rotors:

5/16-24 fine thread, Socket Head Cap Screws (Allen head) are installed with Red Loctite at 21ft Lbs.

5/16-24 fine thread, Button Head Cap Screws are installed with Red Loctite at 16ft Lbs.

1/4-28 fine thread, Socket Head Cap Screws (Allen head) are installed with Red Loctite at 13ft Lbs.

(*Some installations may call for a locking nut in addition to the torque when button heads are used)

If you have threaded aluminum hats:

5/16-18 coarse thread, Hex Head bolts are installed dry at 240 In. Lbs or 20ft Lbs.

1/4 -20 coarse thread, 12pt Stainless Wilwood bolts are installed dry at 150 In.Lbs or 13ft. Lbs

1/4 -20 coarse thread, Socket Head Cap Screws (Allen head) are installed w/ Red Loctite to 11ft Lbs.

Safety Wire: If your bolts are drilled and you do not use Loctite you are urged to properly safety wire the hat bolts. Use .032" stainless steel wire only after the final torque is achieved. Safety-Wire is not a substitute for improperly torqued hardware!

Hubs: Be certain the surface of the hub is free of dirt and rust before you refit your hat/rotor. Wire brush and blow away any build up to ensure a flush seating of the hat to the hub surface.