



## F3X Ultimate Brake Kit install guide



**Thank you for your purchase of the VTT F3X Ultimate Brake kit! First thing to do when you open your box is to make sure all parts are in their respective bags and nothing has been left out or lost during shipping. Here is a breakdown of what you should have.**

- 2 – Rotors
- 2 - Wilwood Calipers
- 2 – Stainless Brake lines
- 1 – Set of Brake pads
- 2 – Adapter fittings
- 2 – Calipers Brackets
- 2 - M12 X 40 Caliper bolts
- 2 – M12x35 Caliper bolts



Once all parts are accounted for you can proceed with the Brake Installation. We suggest this only be done by a qualified technician. THESE ARE YOUR BRAKES, IF YOU HAVE ANY DOUBTS DO NOT INSTALL THIS KIT, AND LET A PROFESSIONAL HANDLE THE INSTALL! If something was missing from your kit, please contact us immediately so we can remedy this.

**READ THE ENTIRE GUIDE BEFORE BEGINNING INSTALLATION!**



ANY QUESTIONS, OR FITMENT PROBLEMS, PLEASE EMAIL [SALES@VARGASTURBO.COM](mailto:SALES@VARGASTURBO.COM) BEFORE TRYING TO FORCE OR MODIFY ANYTHING. THIS UPGRADE IS PLUG AND PLAY IF THESE INSTRUCTIONS ARE FOLLOWED, ANY ISSUES NEED TO BE ADDRESSED TO AVOID PROBLEMS

# INSTALL STEPS

1. Install the brake line NPT to -3 AN adapters into the new calipers with thread sealant, loosely fit both lines on the calipers
2. Install the brake pads into the calipers, and make sure they can slide over the rotors
3. Raise vehicle safely, use jack stands or a lift.
4. Remove both rear wheels
5. Work on one side at a time.
6. Remove the two bolts holding the caliper to the spindle. Lower the caliper with the line still attached. We do not want to break the line until we need to. SUPPORT the caliper to avoid pulling on the line
7. Remove the rotor set screw
8. Remove the rotor (make sure E brake is released or it cannot be removed)
9. You must remove the back plate to fit the new brakes. This requires turning the 2 locking pins counterclockwise and removing. This will free up the Ebrake assembly. Fig 1-3
10. Pull the Ebrake assembly forward, which allow access to 3 10mm bolts, and 2 16mm bolts. Fig 4-6
11. Remove these bolts which will allow the shroud to come loose.
12. At this point you must cut the shroud in two places to remove it. It will not be able to be reused. Fig 7-9
13. Once that is done, reinstall the two spring clips securing the Ebrake assembly to the back plate again
14. Once the shroud is removed, and the Ebrake assembly is secure you can install the brake caliper bracket. The longer 40mm bolts are inserted from the bracket side (middle of vehicle), and secured with a nut directly behind the spindle Fig 10-12
15. Install the new rotor (TAKE NOTE OF ROTOR ROTATION IF APPLICABLE), and reinstall the set screw to hold it in place
16. Now install the new caliper onto the bracket using the M12 x 35mm bolts which will thread directly into the caliper. Fig 12-15
17. Now remove the factory brake line from the hardline, leave it attached to the factory caliper. As quickly as you can attach the new line to the hard line to lose as little fluid as possible.
18. Arrange the line as it should be and tighten both ends of the line.
19. This side is now done, repeat for the opposite side. Follow the instructions on the Wilwood card then using your favorite bleed procedure bleed the front calipers. It should not take a lot of time; these calipers are very easy to bleed. We suggest a pressure or vacuum bleeder, but the method of hold the pedal, and crack the bleeders will work fine as well if you have a helper.
20. You have now installed the VTT Ultimate brake kit. Take it slow on the initial drive, always check to make sure you have adequate braking before driving. Follow proper bedding procedure for the pads, and double check you have no leaks, or issues, and enjoy your new kit







