



E/F Series BMW Ultimate Brake Kit install guide



Thank you for your purchase of the VTT E/F Series BMW Ultimate Front 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 of choice
- 2 - Wilwood Calipers
- 2 – Stainless Brake lines
- 1 – Set of Brake pads
- 2 – Adapter fittings
- 2 – Calipers Brackets
- 4 - M10 Caliper bolts
- 4 – M12 Caliper Bolts
- 1 – Sensor delete harness



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 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 adapters into the new calipers, 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 front 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.
7. Remove the rotor set screw
8. Remove the rotor
9. Install the new rotor (TAKE NOTE OF ROTOR ROTATION IF GT36 ROTORS ARE USED), and reinstall the set screw
10. Install the caliper bracket onto the New Caliper (log faces away from caliper) (Fig 1)
11. Install the new caliper onto the vehicle with supplied M12 bolts. TQ to 70 FT/LBS (Fig 2)
12. Remove the stock brake line from its center mount
13. Unclip the line from its top mount to the hard line.
14. Now remove the brake line from the hardline, leave it attached to the caliper. As quickly as you can attach the new line to the hard line to lose as little fluid as possible.
15. Arrange the line as it should be with the grommet in line with its mounting position in the center, tighten both ends of the line.
16. Using some grease, or Vaseline lube up the center mount, and push the grommet into it. It will take some force but it is a perfect fit once seated
17. 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.
18. For F-Series vehicles it MAY be required to slightly grind the front steering arm to clear some 15" wheels. Best way to test this is to get the brakes installed then test for the wheel. If it clears, nothing else needs to be done, if your wheel slightly rubs you need to grind the arm to fit. Mark the arm where material needs to be removed and doing a little at a time with an angle grinder or similar remove material until you have clearance. See Fig 3 for example
19. 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

TQ SPECS:

Provided M12 bolts – 70 FT/LBS

Provided M10 bolts – 55FT/LBS

Fig 1



Fig 2



Fig 3



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