

## Brembo Grand Turismo Front Brake Kit Installation

**WARNING!!** - Maintenance and working on your car involves some dangers and risks and may cause injury to you or damage to your vehicle if not done properly and safely. I can not be held responsible for any damage, injury or liability caused by using these instructions. If you are not mechanically inclined, please consult the assistance of a professional.

**WARNING!!** – Brake fluid **WILL** damage painted surfaces it is spilled on, take pre-cautions to keep spills and splatters from occurring. Have a clean soapy solution handy for any necessary clean ups.

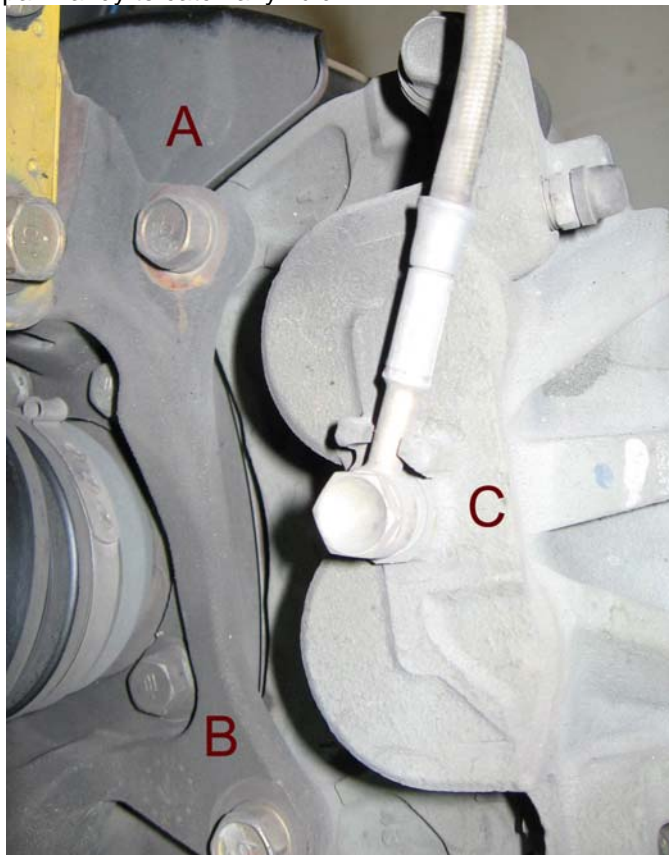
1. Check your Brembo kit before you start to ensure you have all the parts and hardware necessary to complete the installation and that you have a right & left caliper & rotor.



- 1 - Right & 1 - Left Caliper (Pre-loaded with pads, shims, etc)
  - 1 - Right & 1 - Left Rotor
  - 4 – Caliper Mounting Bolts & Washers
  - 2 – Stainless Steel Braided Brake Lines
  - 2 – Banjo Bolts
  - 4 – Copper Sealing Washers
  - 2- Bleeder Hoses
2. Also be sure to have the proper tools & equipment necessary to complete the installation.
    - ½” Drive Socket Wrench/Breaker Bar
    - ½” Drive Extensions (3”, 6”)
    - ½” Drive 19mm & 17mm Sockets
    - ½” Drive Torque Wrench
    - 3/8” Drive Socket Wrench
    - 3/8” Drive 12mm & 14mm Sockets
    - 10mm & 17mm Combination Wrenches
    - 10mm & 12mm Flare Wrenches.
    - Small pliers
    - Jack
    - 2 – Jack Stands
    - Catch Pan
    - Brake Fluid
    - Bucket with soapy clean-up solution and rag.
    - 2 - 8x1.25 threaded bolts
  3. Slightly loosen all 10 front lug nuts before lifting vehicle.
  4. Carefully jack up vehicle and support the vehicle using the jack stands.
  5. Remove both front wheels.



6. Using flare nut wrenches, loosen brake line fitting in each wheel well where it meets the hard line. If using standard wrenches be careful to not round the corners of the hard line fittings.
7. Using a 12mm socket & wrench remove the brake line retaining nut from the strut and the banjo bolt from the back of the caliper C in the picture below) and then remove the line. Have a rag and catch pan handy to catch any fluid.



8. Using a 17mm socket remove the caliper mounting bolts (A & B in picture) and remove the caliper.
9. Screw the 8x1.25 threaded bolts into the threaded holes on the rotor face to free the rotor from the hub. Tighten each bolt equally until the rotor comes free.



10. Check the caliper and rotor mounting surfaces for any corrosion, dirt or build-up; if any is present it **MUST** be removed prior to the installation of the new braking components. An abrasive pad or wire brush can be used for quick removal.
11. Install New Rotor



12. Slide new caliper over the rotor and align with mounting holes on hub. Place one washer on each of the provided caliper mounting bolts and then thread one into each mounting hole. Using the torque wrench and 19mm socket tighten each mounting bolt to 59 ft/lbs.



13. Using flare wrenches, install stainless braided brake line to the fitting in each wheel well where you removed the original line in step #6.
14. Remove the plastic plug from the back of the caliper.
15. Using the banjo bolt install the stainless braided brake line to the back of the caliper, be sure to use a copper sealing washer on each side of the brake line fitting.
16. Using the torque wrench and 14mm socket, tighten the banjo bolt to 15 ft/lbs.
17. Route braided brake line through the line mount on the strut and secure with the bolt removed in step #7, using the torque wrench and 12mm socket, tighten the bolt to 15 ft/lbs.
18. REPEAT STEPS #6 - #17 ON THE OPPOSITE SIDE.
19. Bleed brakes; you will need a second person to follow these steps.
20. Top off brake fluid in master cylinder, be sure to repeatedly check the master cylinder during the bleeding process and ensure that it does not get empty!
21. Start with the passenger side.
22. Remove the protective caps from both bleeder screws.
23. Slide the supplied bleeder over the INBOARD bleed screw and route the hose into a collection tank (an old soda/water works great).
24. Have your assistant press the brake pedal several times and then keep the pedal pressed.
25. While your assistant is holding the pedal down, use the 10mm wrench and loosen the bleed screw  $\frac{1}{2}$  to  $\frac{3}{4}$  turn allowing the air and fluid to escape then tighten the bleed screw  $\frac{1}{2}$  to  $\frac{3}{4}$  turn (Do not over tighten).
26. Have your assistant release the brake pedal, wait several seconds and then press and hold the pedal down again, continue to repeat step #25 until no more bubbles are present.
27. Move to the OUTBOARD bleed screw and repeat steps#25 & #26
28. Move to the DRIVERS side and repeat steps #22 through #27
29. Top off Master Cylinder with brake fluid to the proper level.
30. Reinstall Wheels/Tires.
31. Jack up car and remove jack stands.
32. Lower car to ground.

