

## '65-'82 C6 Z06 Front Brake Installation Instructions

Parts Included:

- 2 Calipers
- 2 Rotors
- 2 Caliper brackets
- 4 14mm bolts
- 4 Lock washers
- 1 Brake pad set
- 1 Brake hose kit
- 4 Lug stud spacers
- 8 Shims



1. Begin by performing a complete inventory of all the parts included in the kit. Fig 1.
2. Jack up the car and place securely on jack stands. Remove the front wheels. It may be useful to turn the steering all the way over in the direction of the side of the car you are working on in order to gain better access to the back of the brake assembly.
3. The caliper is attached with 2 bolts detailed in Fig 2. Loosen the bolts but don't completely remove them until the brake line is free.
4. Use a 3/8 line wrench to loosen the hard line from the rubber hose fitting leading to the caliper fig 3. Now remove the fitting clip with a pair of pliers fig 4. With the rubber hose free you can now remove the caliper.
5. Now remove the rotor from the hub. If the rotors are original to the car they will have rivets in the holes shown in fig 5. If this is the case then the rivets will need to be drilled out in order to separate the hub from the rotor. Only the head of the rivet needs to be removed since the rest can be driven out with a punch and hammer. You can use an 11/32" or 3/8" drill bit.



6. Remove the hub from the spindle by detaching the dust cover, then cotter pin and finally the nut Fig 6. Pull the hub off the spindle and set in a clean area away from dust that could contaminate the grease in the bearings.

7. Loosen the two bolts securing the steering arm to the spindle upright (Fig 7) as well as the 15/16" upper bolt near the top of the spindle. The locking tabs will first have to be bent clear Fig 8. You can now remove the caliper bracket and the dust shield Fig 9.



8. The new caliper bracket installs in the same location as the old item. Do not install the dust shield. Torque 1/2" bolt to 120 ft/lbs and 5/8" bolt (with 15/16" head) to 180 ft lbs.

9. Re-install the hub onto the spindle and adjust bearing pre-load by tightening the spindle nut to 12 ft/lbs while rotating the hub. Now back off the nut one flat and insert cotter pin. If the hole does not line up then back off the nut up to a half a flat more. End movement should be between .001" and .008". Install dust cap.



10. Slide the rotor on the hub making sure the proper side is installed. Note direction of cooling fins in Fig 10 this is the driver's side. Place the two lug stud spacers on opposite studs and hold the rotor in place with at least one lug nut. Wipe both sides of the rotor clean using a clean paper towel and rubbing alcohol.



11. Install the brake pads into the caliper and place the caliper over the rotor Fig 11. Note that the bleeder screws are pointing up. Using the supplied 14mm bolts and lock washers secure the caliper to the bracket and torque to 120 ft/lbs. Fig12. Check that the caliper is centered over the rotor. If it is not then use the supplied shims and place them between the caliper and the mounting bracket.



Fig 11

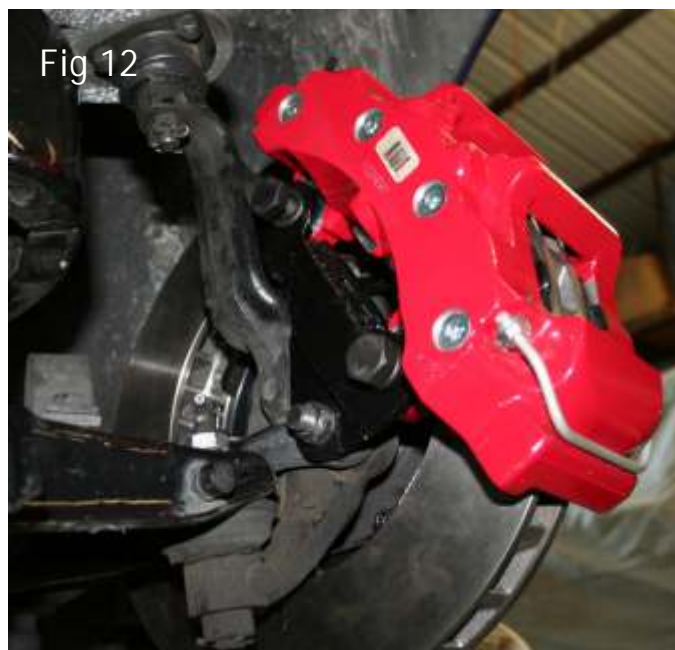


Fig 12

12. Thread the adapter fitting into the caliper with a crush washer under the fitting. Connect brake line to caliper as shown in FG 13 and to the frame hard line. Carefully route the hose so that the suspension, frame and wheel do not contact it during operation. Now tighten all connections securely.
13. Repeat the process on the other side. Once finished bleed both calipers starting with the passenger side outside bleeder then pass. side inside bleeder. Next the driver's side outside bleeder and finally the driver's side inside bleeder.
14. Check all hose connections for leaks and tighten as necessary. Re-check the torque on all fasteners and check that the rotor spins with little drag.
15. Road test the car at low speed making sure to check brake operation within the first 5 feet of movement. Bed-in the pads according to the specific instructions included with them.
16. Re-check for leaks and that all fasteners are tight. Repeat the checks after the first 100 miles of driving.



Fig 13

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# PRODUCT EVALUATION SHEET

Telling us what you like and don't like determines what we make and how we make it. We would appreciate it if you would take just a few minutes of your time to answer the following questions about the parts you ordered from us. Simply fold this form on the dotted lines, seal with tape and mail it to us. *Do not use staples and make sure our address faces out.* SpeedDirect will not disclose the information it collects to outside parties. SpeedDirect does not sell, trade or rent your personal information to others. Your privacy is important to us.

1) Kit: Corvette Z06 6 piston front brake conv.

2) Where did you learn about this kit?

- Magazine Ad       Friend
- Internet Search       Forum
- Mechanic       Catalog
- Car Show
- Other (specify) \_\_\_\_\_

3) What influenced you the most to buy this kit?

- Magazine Ad       Price
- Recommendation       Testimonials
- Internet       Forum
- Other (specify) \_\_\_\_\_

4) Did you have any trouble understanding the written instructions? If yes, please explain.

- Yes       No

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5) Did you have any trouble understanding any of the photographs? If yes, please explain.

- Yes       No

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6) Was any of the installation difficult for you? If yes, please explain.

- Yes       No

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7) Were any of the kit parts:

- Damaged       Missing

If you checked any of the above boxes, did you contact our customer service department to resolve the problem?

- Yes       No

8) Were they helpful in resolving the problem?

- Yes       No

9) What did you like most about this kit?

- Instructions       Hardware Supplied
- Ease of Install       Price
- Final Performance       Other:

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10) What did you like least about this kit?

- Instructions       Hardware Supplied
- Ease of Install       Price
- Final Performance       Other:

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11) Have you driven/used the product and are you satisfied with the final installation?

Please explain:

- Yes       No

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12) What is your age group?

- 18-29       30-39       40-49
- 50-59       60-69       70+

We care about what you think. Is there anything else you would like to tell us or any products you would like to see us make in the future?

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