

VAN STEEL

Installation Instructions for VS-22501
88-96 C5 Brake Upgrade Kit

Read Thoroughly Before Beginning

Kit Includes:

- 2 New Front C5 Calipers
- 2 Caliper Mounting Cradles w/Hardware
- 2 Front Caliper Mounting Brackets w/Hardware
- 2 Front SS Flex Lines
- Ceramic Brake Pads
- 2 C5 Front Rotors

Assembling the Caliper to the Cradle Mount

We find it easier to prep the calipers before beginning. This is a step by step on how to.

Step 1: Your kit contains 2 cradle mounts with rubber bushings, clips and pins. Install the rubber bushings on the cradle bracket. See **Figure 1**

Step 2: Use anti-seize or grease on the guide pins and slide them into the cradle. Install the caliper to the cradle as shown in **Figure 2** Thread the supplied bolts into the guide pins and torque to 25 ft/lbs.

Step 3: Install anti-rattle clip & pad guides into the caliper and then proceed with the brake pad installation. See **Figure 3**



Figure 1



Figure 2

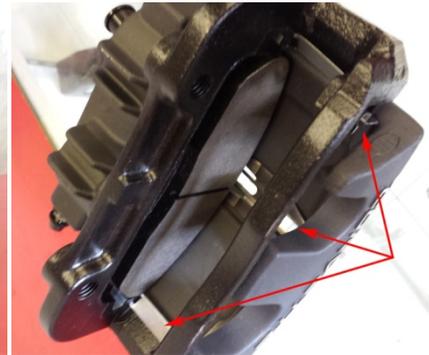


Figure 3

Installation of Brake Kit

Step 4: Loosen front lug nuts, jack the car up and place jack stands under the frame to secure the car as you work.

Step 5: Remove the front wheels and the OE caliper mounting bracket bolts. Securely place the caliper on top of the a-arm. Do not remove the brake line at this time

Step 6: Remove the old rotor

Step 7: Install the caliper mounting bracket as shown in **Figure 4** using the supplied M14-2.0 x 35mm socket head bolts and Nord-Lock lock washers. The bracket mounts to the outside of the knuckle. Finger tight bolts

Step 8: Install the new rotor and thread a lug nut onto 1 lug stud to secure it to the hub bearing.

Step 9: Slide the caliper over the rotor aligning the holes of the caliper mounting bracket to the holes mounting holes of the cradle. Install the M14-2.0 x 35mm socket head bolts as shown in **Figure 5**. Once you see everything is aligned correctly, remove each bolt one at a time and apply Red loc-tite. The 14mm bolts require 125 ft/lbs of torque. Make sure the Nord-Lock lock washers are in place. They are glued together. Do not separate them.



Figure 4



Figure 5

Step 10: Remove horse shoe clip located on the frame where the hard lined connects the two lines and then remove the rubber flex line.

Step 11: Reinstall the new SS Flex line. Use a $\frac{3}{4}$ " wrench on top and a 12mm on the bottom. Do not over tighten.

Step 12: Install the banjo bolt through the open end of the brake line using a brass washer on either side. This goes into the back side of the caliper. Torque to 20 ft/lbs.

Step 13: Remove the master cylinder cap and bleed your brakes according to the GM service manual. All calipers should be bleed and use new brake fluid.

Step 14: Reinstall the wheels using a 3 step torque process of 35 ft/lbs, 65 ft/lbs and a final torque of 100 ft/lbs.

Step 15: Road test the vehicle and take time to bed the new brake pads properly before making any aggressive stops. Re-torque caliper mounting bracket bolts after 50 miles and again after 1000 miles.

Step 16: Enjoy your new C5 brake kit!!