



## **STOP! READ THIS FIRST.**

THANK YOU FOR PURCHASING THIS DISC BRAKE KIT FROM VOLKS CONVERSIONS

**THESE STEP BY STEP INSTRUCTIONS SHOULD BE READ BEFORE YOU START TO DO ANY WORK AND YOU SHOULD BE ABLE TO UNDERSTAND THEM COMPLETELY. IF YOU DO NOT HAVE THE RESOURCES TO DO THIS INSTALLATION THEN HAVE IT PERFORMED BY A QUALIFIED MECHANIC. FAILURE TO FOLLOW THESE DIRECTIONS COULD RESULT IN DAMAGE TO YOUR VEHICLE OR POSSIBLE BODILY INJURY.**

### **Step 1.**

Secure the car on a level, hard surface. Block the rear wheels and set the hand brake, loosen the front wheel bolts while the front wheels are still on the ground.

### **Step 2.**

Elevate the complete front suspension off the ground and use approved jack stands to support the weight of the car.

### **Step3.**

Remove both front wheels.

### **Step4.**

Remove existing master cylinder and replace with a larger m/c 22mm or a 19mm 1500 beetle tandem m/c which you can purchase from Volks Conversions.

### **Step5.**

Remove the left front brake drum, making sure you remove the inner wheel bearing and old grease seal.

### **Step6.**

Loosen and remove the rubber brake hoses from the metal brake line at the pan end.

### **Step7.**

Remove the 3 bolts that hold the drum brake backing plate to the spindle. Remove the complete backing plate with hose.

### **Step8.**

Install the new wheel bearing races in the new rotors. [Be careful not to damage the rotor or the races by binding them.]

### **Step9.**

Pack the bearings with suitable hi-temp wheel bearing grease.

### **Step10.**

Install the greased wheel bearings and the inner seal in the new rotors.

### **Step11.**

Install the new rotor on the existing drum brake spindle- using existing thrust washer and adjuster nuts. Adjust to factory specifications.[be careful not to over tighten adjuster nut. This will cause overheating of the bearings, resulting in damage to spindle, bearings and rotor.] Install the grease cap and speedometer clip.





**Step12.**

Remove the plastic separator from between the brake pads in the caliper and install the caliper onto the bracket and torque to 35ft lb.

**Step 13.**

Install the inner and outer disc pad [smaller pad goes to the inside]

**Step14.**

Install the anti – rattle clips with the tabs towards each other. [the clips will sit on the bracket and will rest in the small notch on the end of the disc pad.] Install the caliper over the pads and anti – rattle clip tabs. [making sure that you remove and discard the spacers in the caliper pinhole.] Install the mounting pins [1 short, 1 long] in the caliper, thread into the bracket and tighten.[ note the caliper bleeder valve must be towards the top to allow proper bleeding of the system.]

**Step15.**

Install the hose at the caliper first. Tighten, now attach to the metal brake line. Tighten; now install the clip into the hose, securing it to the bracket.

**Step16.**

You are now ready to repeat this procedure on the passenger side. Once complete you will be ready to bleed the system.

**Step17.**

To bleed the complete hydraulic system, fill the brake fluid reservoir with fresh dot3 brake fluid.

**Step18.**

Start at the master cylinder loosening each metal line to bleed air there first-recheck the fluid level.

**Step19.**

Bleed the passenger side caliper first and then driver's side- remembering to not allow the reservoir to run dry!

**Step20.**

Do the final bleeds. Start with the passenger's rear then driver's rear then the passenger's front, and finally the driver's front.do the final fill of the brake fluid.

**Step21.**

Rinse the brake fluid off with water be careful not to let brake fluid get on paint.

**Step22.**

Re-install the front wheels, remove from the jack stands and lower the car to the ground. Give the wheel bolts a final tightening. When test driving, be sure to make a few short stops first, to familiarize yourself with the cars new braking power and make sure everything is functioning properly.

