

Installation Instructions: Akebono Front Big Brake Kit

Applications: 2002-2009 Z33

Parts List

Item#	Qty	Description
1.	2	Front adapter brackets (right and left)
2.	2	Hex Bolts M14x50mm
3.	2	Hex Bolts M14x90mm
4.	4	Hex Bolts, M14x70mm
5.	4	Flat Washer, M14
6.	8	Lock Washer, M14

Installation Instructions: Akebono Front Big Brake Kit

Applications: 2002-2009 Z33 and G35

Installation Instructions

NOTE: All pictures show the passenger side installation

1. Remove the entire front brake system including the caliper, rotors and rubber brake lines.
2. Cut off the lower half of the heat shield as shown in Figure 9 using tin snips or a small cutoff wheel.
3. Install adapter bracket on to spindle using the 90mm and 50mm long bolts with a flat washer and lock washer on each bolt. The 90mm long bolt is used on the top and includes the machined slotted spacer as shown in Figure 2. The order of the top bolt assembly is 1: long, slotted washer against spindle, flat washer, lock washer then 90mm bolt.



Figure 1: Adapter on Passenger Side



Figure 2: Bolts and Washer Holding Adapter

4. Do not torque the adapter bolts yet. With the adapter bolts hand tight, install the caliper onto the adapter bracket **WITHOUT THE ROTOR**. The caliper bolts enter from the opposite side as the adapter bolts. Rotate the slotted washer so that caliper end sets into the washer slot as shown in Figure 3. Lightly tighten the caliper bolts

(around 20 ft lbs) then torque the adapter bolts to 75 ft lbs. This will lock the slotted washer in the correct position. Remove the caliper.

5. Install the rotor then install the caliper with the 70mm long bolts and lock washers. Torque to 75 ft lbs.
6. Install the brake lines then bleed the system per the factory procedure.



Figure 3: Slotted Washer in Position with Caliper Installed



Figure 4: Bolt Assembly Order



Figure 5: Caliper bolted to Adapter Bracket – Rear View



Figure 6: Proper Pad Contact



Figure 7: Slotted Spacer Assembly Order: 90mm bolt, lock washer, flat washer, slotted washer to spindle



Figure 8: Drivers Side Bracket (left side) and Passenger Side Bracket (right side)



Figure 9: Heat Shield Section to Remove