Brake Pedal Retro Fit
1100 AERO

I have a size 11 shoe and I have always hated on our Aeros how when you had your feet in the normal riding position that the front of my right foot had to sit half off the floorboards unless I wiggled my foot under the spring loaded brake pedal.

I had Emailed with Captain Ron about this and how he had cut off the stock pedal by about and inch and because he was never able to find a suitable replacement pad he cut the rubber pad and reglued it in place but was never satisfied with the seam or the holding power of the glue.

The stock pedal is 2 1/8" X 4" the new pedal is 2 1/8" X 3 1/8" and due to the way the new pedal is mounted up, it sits 1/8" to the left giving you 1" extra for your foot.

1

This is a picture of the stock pedal and the after market Drag Specialties pedal part # DS-241070, I bought this at J & P Cycles PN 2400667 $24.99 plus shipping

I was working on my exhaust so I had easy access to remove the pedal. As I was doing this I wanted to do it in such a way that anyone could do it while the pedal was still on their bike. Be sure to cover and tape off everything around the pedal to prevent any scratches.

I made a cut at just over 2 3/8” so that I could file or grind the pedal to fit in the pocket of the picture below.

I took every thing off the right side so that I would get the most room for my foot.

I also had to grind a slight amount off the top and bottom edges to get the pedal to fit down inside the pocket, less than a 1/16” total.

Backside of new pedal

This shows how close I fit it, the pocket in the back side was actually a benefit as it will keep the pedal from rotating.

My original plan was to cut off the top plate and weld in a nut to the channel of the original pedal to secure the new pad until I came up with the idea to put a nut in the channel under the plate.

I then carefully put the new pedal in place and marked the location of the hole I need to drill in the top plate as shown in the second picture. I used a ¼" drill and it worked fine but you may want to use a 17/64" for a little more clearance.

I then found out that a standard ¼" nut would not fit in the channel and it would have to be ground down on each side. Because I work at a machine shop I made one from a piece of 3/8" X 1/2" steel bar stock. As soon as I had it made I decided I would have to make it from aluminum so that it will not rust in the channel preventing me from ever removing it although I do not know why I would. This nut slips in the channel and will not rotate.

The hole needs to be to one side as shown to prevent it from rubbing up against the spring of the foot pedal

Pedal bolted in place

All I have left to do is stick the pad in place.

It says in the instructions to not rely on the double faced tape and to use 3M weather strip adhesive.

Finished pedal

All I need to do now is install it and try it out. The only problem is that it is January 11th here in Minnesota and I will have to wait for about 9 more weeks to try it out.

If you have any questions or see anything I left out or was unclear on please email me at **aquila1975@comcast.net**

I am toying with the idea of making a few of these for the Aero brothers that request them and I will, if I do not get overwhelmed with requests. I think most anyone that is handy should be able to find a piece of bar stock and carefully drill and tap a ¼ - 20 threaded hole in the block.

1/11/09