



# MUSTANGSTEVE

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## BALL BEARING CLUTCH PEDAL RETROFIT KIT INSTRUCTIONS

(Also fits F-100, F-150, Falcon, MOST other Fords using 5/8" shaft)

### SUMMARY

You will be required to remove the clutch pedal and brake pedal and the pedal hanger assembly from under the dashboard of your car before you can install this retrofit kit.

The kit consists of two sealed ball bearings, two machined steel bearing retainers, two large thick washers, and two small thin washers. Also included are the plastic brake pedal pivot bushings and a new flanged bushing for the brake pedal pin.

The two large washers are used to form spacers inside the hanger assembly to correctly position the brake pedal so it has no lateral play in its pivot. One thin washer is used between the clutch pedal arm and the bearing for clearance and the other thin washer is used under the cotter pin or spring clip for clearance on the other end of the shaft. The machined bearing retainers are welded to each side of the hanger assembly to support the bearings. They are precision machined so that their thickness provides the exact dimensions required for a precise, tight fit. The ball bearings are held in their correct position with a spring steel clip inserted into a groove in the outside of the bearing race.

Some final clearance grinding may be required on the inside of the retainers after welding them to the hanger assembly if they become warped during the welding process. This is best accomplished with a die grinder and a straight-sided burr bit.

1. Refer to detailed pictorial online instructions  
[www.mustangsteve.com/MS\\_BBK\\_Instructions.html](http://www.mustangsteve.com/MS_BBK_Instructions.html)
2. Weld two bearing retainers, chamfer side out, to sides of support, concentric with existing holes.
3. Weld two large thick washers to inside of pedal support, concentric with previously welded retainer rings.  
Tips for maintaining concentricity are shown in the online instructions.
4. Weld a small washer over the clutch pedal shaft against the clutch pedal arm.
5. Test fit bearings and pedal shaft into welded assembly.
6. Adjust shaft length if required by grinding the sides of the bearing retainers (thus moving the bearings closer together) to make sure a washer can fit the shaft before the cotter pin is installed. More details online.
7. Adjust brake pedal tube width by grinding as required so pedal fits snug in support between the two large washers.
8. Reassemble pedal assembly, realign pedals if they are not straight from years of usage, and reinstall in car.

# BBK

VERSION 131207

BRAKE PEDAL SPACERS  
CAN BE TACK WELDED TO INSIDE OF PEDAL SUPPORT.  
MUST BE LOCATED CONCENTRIC WITH BEARING RETAINER RINGS.  
REFER TO STEP #3 OF INSTRUCTIONS SHOWING USE OF TWO  
OLD PLASTIC BUSHINGS TO CENTER THE SPACER  
[WWW.MUSTANGSTEVE.COM/MS\\_BBK\\_INSTRUCTIONS.HTML](http://WWW.MUSTANGSTEVE.COM/MS_BBK_INSTRUCTIONS.HTML)

