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BALL BEARING CLUTCH PEDAL RETROFIT KIT INSTRUCTIONS

Before installing this retrofit kit, you must remove the clutch pedal, brake pedal, and pedal hanger assembly from under your car's dashboard.

The kit includes:

- Two sealed ball bearings
- Two machined steel bearing retainers
- Two large thick washers
- Two small thin washers
- Plastic brake pedal pivot bushings
- One flanged bushing for the brake pedal pin

The **large washers** act as spacers inside the hanger assembly, ensuring the brake pedal is correctly positioned with no lateral play in its pivot.

Use **one thin washer** between the clutch pedal arm and the bearing for clearance, and the **other thin washer** beneath the cotter pin or spring clip on the opposite 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 their thickness provides an exact, tight fit. The **ball bearings** are secured in place with a spring steel clip inserted into a groove on the outer race of each bearing.

After welding, **some minor clearance grinding** inside the retainers may be necessary if they warp during the process and the bearings will not fit. This can be done using a die grinder with a straight-sided burr bit for best results.

1. Refer to detailed pictorial online instructions: www.mustangsteve.com/MS_BBK_Instructions
2. Weld two bearing retainers, chamfer side out, to sides of support, concentric with existing holes.
3. Weld two large thick washers to the 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. If necessary, adjust shaft length by carefully 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 in the online instructions.
7. If necessary, adjust brake pedal tube width (for OEM manual brake pedal only) by grinding as required so the pedal with gray bushings installed 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 the car.



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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/PAGES/BBK-INSTALLATION-TUTORIAL

