

# EC-733

## Instructions

### INSTALLATION INSTRUCTIONS FOR THE 54-56 FORD & MERCURY PASSENGER CAR AND 55-57 THUNDERBIRD DISC BRAKE CONVERSION KIT

#### **PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE ATTEMPTING INSTALLATION!**

This kit uses the following Ford and GM brake system components:

Rotors:	75-80 Granada or Monarch
Calipers:	78-81 Camaro or Firebird
Bearings & Races:	A2 Outer & A6 Inner, Used on 70-77 Camaro or Firebird
Seals:	SKF #19221, 75-80 Granada or Monarch

- 1) Remove the original brake drums, wheel bearings and grease seals. Disconnect the brake hose from the brake tube at the chassis bracket and remove the four bolts attaching the brake assembly from the spindle. Clean and inspect the spindle for any cracks or damage.
- 2) Note that the caliper is mounted towards the rear of the vehicle using a primary support bracket in combination with the main caliper mounting bracket, (marked R & L). Familiarize yourself with these brackets before proceeding with installation.

**IMPORTANT:** The position of the heads of the bolts is very important so as not to rub against the caliper after installation is complete. **PAY ATTENTION** to the positions noted in these instructions.

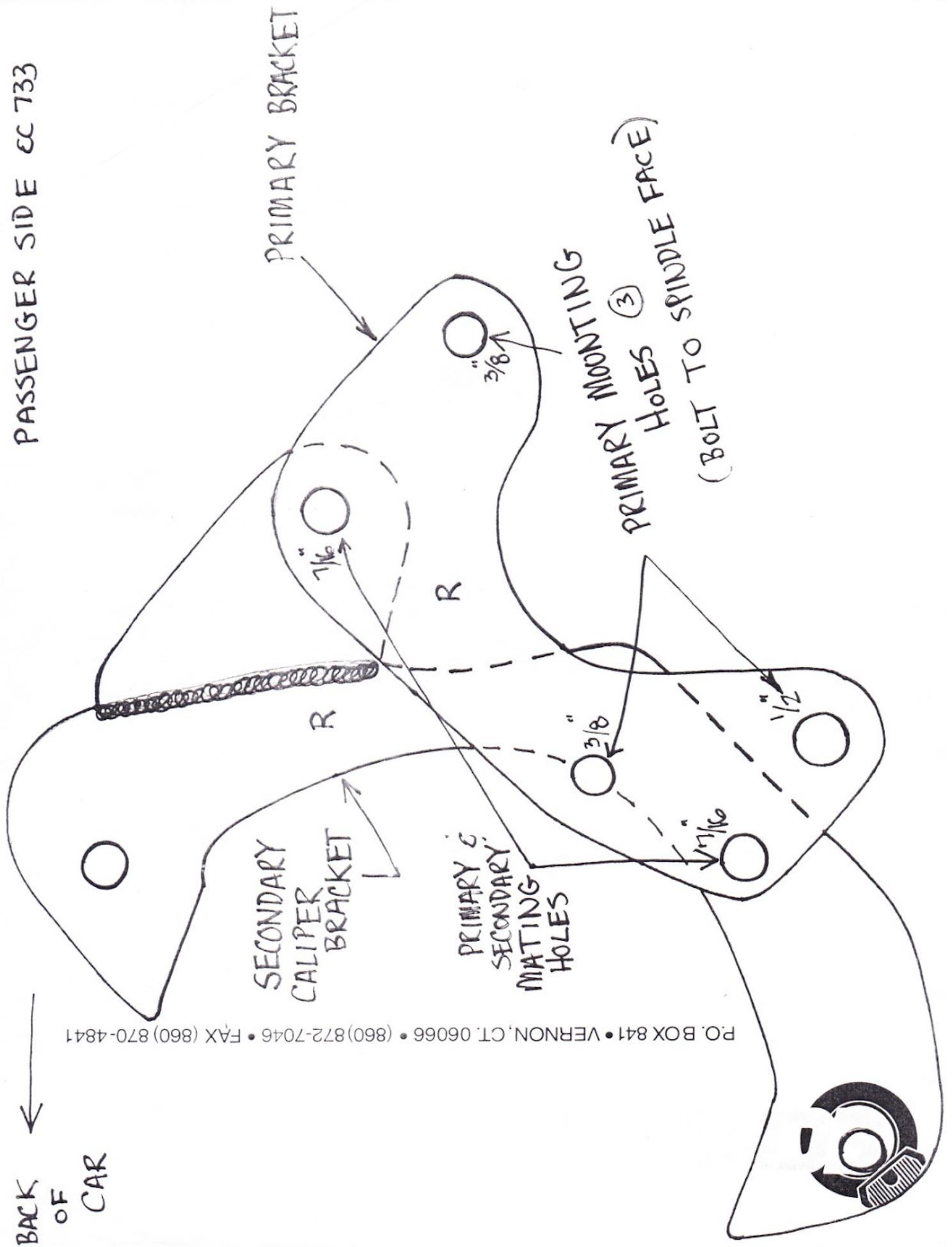
- 3) The primary support bracket is attached to the outer face of the spindle using the top two and bottom rear bolt holes. Hold the bracket in place against the face of the spindle and install two of the 3/8"-24 x 1 1/4" long Grade 8 bolts in the top holes with the heads of the bolts facing inward. Position the steering arm so that the two holes are aligned with the holes in the spindle and install one of the 1/2"-20 x 2 1/2" Grade 8 bolts in the bottom rear hole and one 2 1/4" long in the front hole, both with the heads outward. Install the lock nuts provided onto the bolts and tighten all four bolts and nuts.
- 4) Attach the welded tab on the appropriate caliper mounting bracket, (they are marked R & L) to the back side of the primary support bracket at the top hole using one of the 7/16"-20 x 1" long Grade 8 bolts provided with one of the 1/8" spacers between the brackets with the head of the bolt on the outside of the support bracket. Install one of the locknuts provided but do not tighten yet.
- 5) Attach the caliper mounting bracket to the support bracket at the lower hole using one of the 7/16"-20 x 2" long Grade 8 bolts provided with one of the 3/4" long spacers between the brackets with the head of the bolt outward. Install one of the locknuts provided and tighten both the upper and lower bolts.
- 6) Install the inner bearing spacer ring onto the spindle with the chamfered side towards the spindle using a piece of 1 1/2" pipe, a block of wood and a 2-3 lb. hammer. Make sure it starts straight onto

the spindle and it will go on easily. Drive it all the way up against the face of the small diameter at the back of the spindle.

- 7) Remove the inner and outer races from the Granada rotor and replace them with the A2 & A6 races. Make sure they are driven in all the way up against the shoulder in the rotor. **This is very important, the Granada races will not work.**
- 8) Grease the inner bearing and install it into the rotor. Install the grease seal and then add some more grease in behind the bearing. Be generous, grease is cheap, bearings and spindles aren't. Grease the outer bearing and install it into the rotor. Again, be generous.
- 9) Install the rotor onto the spindle along with the outer bearing. Install the stock wheel bearing washer and retaining nut. Adjust the wheel bearing nut as required and install a new cotter pin. Check that the rotor turns easily. Install the grease cap.
- 10) Install the correct side caliper onto the bracket with the bleeder screw up. The two steel sleeves in the caliper mounting ears must be flush with the inner surface of the ears before the caliper can be installed. Note that the caliper mounting bracket fits between the caliper mounting ears and the inner pad. Install the two caliper mounting bolts and tighten. Check that the rotor still turns without any binding or rubbing.
- 11) Install a BANJO style brake hose to the caliper, (10 mm). Make sure that you have a copper sealing washer between the hose and the caliper and another washer under the head of the hose bolt. Depending on the hose you use you may need to move the hose anchor bracket on the chassis. Attach the hose to the anchor bracket and connect the brake tube. Turn the wheels full right and left and check that the hoses don't rub on anything. Check up and down travel also.
- 12) Install the other side the same way. Fill and bleed the system.

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PASSENGER SIDE CC 733



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BACK OF CAR ←