

# EC-757 INSTRUCTIONS

## INSTALLATION INSTRUCTIONS FOR 37-41 DODGE & PLYMOUTH DISC BRAKE CONVERSION

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

**NOTE:** THIS CONVERSION WILL MOVE THE FRONT WHEEL OUT 1/2" ON EACH SIDE RELATIVE TO THE STOCK DRUM BRAKE LOCATION.

**NOTE:** CHECK TO SEE THAT YOUR WHEELS AND/OR CENTERS WILL FIT OVER THE CENTER DIAMETER OF THESE HUBS BEFORE ATTEMPTING INSTALLATION. WE ADVISE USING MASKING TAPE TO PROTECT THE HUBS DURING TRIAL FITTING. **SCRATCHED OR DAMAGED HUBS WILL NOT BE ACCEPTED FOR RETURN.**

This conversion kit uses the following components:

Calipers:	78-81 Camaro/Firebird with 10mm hose bolt connections
Rotors:	78-81 Firebird rear rotors re-drilled for 4 1/2" bolt circle
Bearings & Seals:	A2 outer bearings A6 inner bearings SKF #17187 Seals

- 1) Disconnect the stock brake hoses from the chassis attachment points and remove the stock brake drums, brakes and backing plates from the original spindles. Let the steering arms hang in place for now. Inspect the spindle for any damage, etc. Retain the wheel bearing washers and retaining nuts for re-use.
- 2) Attach the caliper mounting brackets to the spindles with the caliper mounting opening toward the rear of the car. The brackets attach on the outer side, (wheel side) of the spindle. Use the 3/8"-24 bolts and lockwashers in the top holes and the 1/2"-20 bolts and locknuts in the bottom holes. Note that these bolts also retain the steering arms and the longer of the lower bolts are installed in the rear holes, (thicker steering arm boss). Tighten all bolts.
- 3) Thoroughly grease the inner bearings and install them in the hubs supplied. Install the grease seals into the hubs and add additional grease in behind the bearings. Don't scrimp on the grease. It's cheap, aluminum hubs aren't. Be generous.
- 4) Thoroughly grease the outer bearings and install them in the hubs. Pack additional grease in behind them, same as above.
- 5) Install the hubs with their bearings onto the spindles and install the stock wheel bearing washers and retaining nuts. Adjust the nuts by snugging them up with a pair of pliers and then backing them off

one notch on the nut. Check to be sure the hubs rotate freely without binding. Re-adjust if necessary. Install new cotter pins.

- 6) Carefully slide the rotors onto the hubs, (remember the masking tape) and over the studs. Make sure the rotor goes up against the face of the hub and install a couple of lug nuts to hold it in place. **DO NOT TRY TO PULL THE ROTOR ONTO THE HUB USING THE LUG NUTS.**
- 7) Make sure the pads are correctly installed in the calipers and slide the calipers over the rotors, (bleeder screw up) and into the opening in the mounting brackets. Install the caliper mounting bolts and tighten them up.
- 8) Put a small amount of grease on the O-rings supplied with the dust covers and install them in the dust cover grooves. Push the dust covers into the hubs using hand pressure only - no hammers! If the dust covers come back out, (due to air trapped in the hub) remove the O-rings, cut them and remove about a 1/4" from one end. Re-install them in the dust caps and put the caps back on. The air will come through the gap. Don't worry the O-ring will swell up and close the gap. When you need to remove them get a rubber jar lid remover from the kitchen and twist them off.
- 9) Attach a "banjo" style hose of the appropriate length to the caliper using the correct banjo bolt and sealing washers, one either side of the banjo. Anchor the other end of the hose to a suitable bracket on the chassis.
- 10) Push the caliper all the way inboard, (it slides on it's mounting bolts) until the outer pad touches the rotor. Remove your lug nuts from Step 6 and install you wheel and tire assembly. **REMEMBER THE MASKING TAPE!** Make sure everything fits correctly and that the wheel turns freely without rubbing on the caliper. If all is well install the lug nuts and re-check. Turn the wheels full right and left to make sure nothing is rubbing. Remember the suspension also goes up and down. Check the brake hoses also.

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