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# TCI® 149160 & 149180

## 149160 Adaptor Kit 6 Hole Crankshaft

## 149180 Adaptor Kit 8 Hole Crankshaft

This kit will allow you to adapt a Chrysler 273, 318, 340 or 360 engine to all General Motors Powerglide, Turbo 350 or Turbo 400 transmissions.

### Kit Contains: Both

| <u>Qty.</u> | <u>Description</u>                           |
|-------------|--|
| Three (3)   | 7/16" x 20 x 1 1/2" Hex Bolts & Nuts         |
| Five (5)    | 3/8" Nylon Lock Nuts                         |
| Two (2)     | 7/16" x 14 x 2" Flat Head Socket Cap Screws  |
| Two (2)     | 7/16" x 14 Nylon Lock Nuts                   |
| Four (4)    | 3/8" x 16 x 3/4" Flat Head Socket Cap Screws |
| Three (3)   | Converter Spacers (.385")                    |
| One (1)     | 1/4" Aluminum Adapter Plate                  |

### 149160 Adapter Kit 6 Hole Crankshaft Contains:

|         |  |
|---------|--|
| One (1) | Flywheel (6 hole) with Ring Gear                 |
| One (1) | 6 Hole Aluminum Adapter                          |
| Six (6) | 7/16" x 20 x 1" Long Flat Head Socket Cap Screws |

### 149180 Adapter Kit 8 Hole Crankshaft Contains:

|           |  |
|-----------|--|
| One (1)   | Flywheel (8 hole) with Ring Gear           |
| One (1)   | 8 Hole Aluminum Adapter                    |
| Eight (8) | 1/2" x 20 x 1" Flat Head Socket Cap Screws |

**Note:** If you are not familiar with that type of installation, you may want to consult a Service Trade Manual. The manual will also provide you a complete listing of torque specifications.

Your Chrysler starter will bolt into place without any modifications to the starter. You will need to modify the transmission bellhousing to gain needed clearance for the starter nose.

**Step 1** Bolt adapter plate to engine using bolts provided with kit (Four 3/8" x 16 x 3/4" Flat Head Socket Cap Screws, Two 7/16" x 14 x 2" Flat Head Socket Cap Screws and Two 7/16" x 14 Nylon Lock Nuts).

**Step 2** Install flywheel and aluminum crank adaptor:  
**149160:** Use six 7/16" x 20 socket cap screws, Loctite

and torque to 55 foot pounds.

**149180:** Use eight 1/2" x 20 socket cap screws, Loctite and torque to 70 foot pounds.

**Step 3** Install Starter using the studs and nuts on adapter plate. Check Starter for proper alignment with the Fly-wheel teeth.

### Step 4 Transmission Bellhousing Modification:

The transmission will need to be modified for starter clearance. Fit the transmission (without the converter installed) to the adapter plate. Mark area to be clearanced then use a saw or grinder to remove material. Note: Remove only the amount necessary for clearance. Deburr, smooth and radius all corners and clean thoroughly after you have obtained proper clearance.

**Step 5** Torque Converter installation: If you are using a new torque converter, you need to fill the converter with Automatic Transmission Fluid. After modifications are complete, install General Motors type of torque converter with a standard three hole bolt circle into transmission.

**Step 6** With torque converter installed, bolt transmission onto the adapter plate. Slide transmission over the adapter plate. Use the five 3/8" nuts provided with this kit to bolt transmission to plate. Use Loctite and Torque Bolts to 30 to 35 Foot pounds.

**Step 7** Using the three 7/16" x 20 x 1 1/2" hex head converter bolts and the three spacers, bolt torque converter to the flywheel. Use one spacer per bolt. Install the spacer next to the flywheel then bolt converter to the flywheel. Loctite and torque bolts to 35 foot pounds.

**Step 8** After you have completed the adapter kit installation, check all fluid levels and add fluid if needed. Always maintain proper fluid levels for proper operation. **Do not overfill Transmission.**

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