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TCI® 746401/746402 Powerglide Bearing-style Shorty Housing

Someone familiar with automatic transmission repair and assembly should install this kit. These kits can be used with a manual valve body or a TransBrake type valve body.

Once the TCI® Shorty Planetary Kit has been installed you will need to do some minor modifications to the transmission.

Omit the governor and counterweight assembly, rear support assembly, rear pump gears, drive pin, and wear plate or gasket, if transmission was equipped. If the reverse feed hole has been drilled for Trans Brake applications, use the gasket supplied with the kit. Install TCI® Shorty Rear Cover and O-ring. Torque bolts to 20-30 foot-pounds. **Note:** Due to variations in different cases it may be necessary to use two or more gaskets. This will prevent pressure loss at the reverse feed hole. You can check the sealing by removing the TCI® Shorty Rear Cover and checking the imprint on the gasket after it has been torqued.

Use proper coupler. **Polish the coupler to 1.4995-1.5000" diameter for proper fit in the bearing.** The coupler should not bottom out in the Shorty Rear Cover. If it does, a spacer may be necessary. This is not provided in the kit. The spacer must fit inside opening of coupler. After the transmission has been installed in the vehicle, check free play. You must have 1/8" inch of free play in the coupler to prevent binding.

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