

151 INDUSTRIAL DRIVE  
ASHLAND, MISSISSIPPI 38603  
<http://www.tciauto.com>

TELEPHONE: 662-224-8972  
FAX LINE: 662-224-8255  
E-MAIL: [tech@tciauto.com](mailto:tech@tciauto.com)

# TCI<sup>®</sup> 742020 Clutchless-Style Lo Gear Only Circlematic<sup>®</sup> Powerglide

**Reverse Shift Pattern:** Park-Reverse-Neutral-Low-Low

## Installation

This transmission is designed to be used with either a multi-piece straight drive or 'dummy' torque converter. **Do not use a conventional torque converter with your Circlematic.**

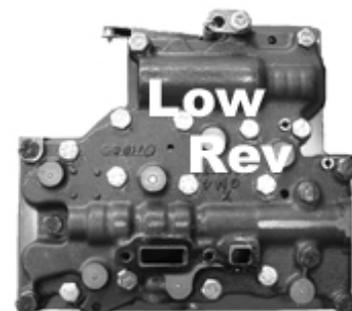
Since there are no external pressure controls required with this transmission, you'll only need to install a shifter, mount, dipstick and cooler lines.

Approximate fluid capacity for your Circlematic is 3 ½ to 4 quarts and will vary slightly depending on your choice of pan and whether or not you're running a transmission cooler. **Do not overfill!**

## Operation

Your new Circlematic is designed for ease of operation with no external pressure controls such as ball valves or clutch pedals required.

The best drivability is achieved by setting your engine idle speed below 1400 rpm. The 744600 valve body in your Circlematic is equipped with standard carburetor jets to orifice the fluid in low and reverse. See **Figure 1**. The low gear jet supplied from TCI, located close to the linkage, has a .118 orifice size (#96) and the reverse jet has a .104 orifice (#90). Installation of larger jets can help drivability if the car is trying to stall when stopped in gear, however, excess bleed off can lead to premature wear of the band and reverse clutches so it's advisable to get your idle speed as low as possible first. If you do change jets, it's best to check your mainline pressure @ 2000 rpm to be sure that you have at least 70 psi in low and reverse. To take off, simply put the shifter in the Lo gear position next to Neutral and gently apply the throttle. Once the car is moving, move the shifter to "lockup" to gear and your ready to race!



**Figure 1**