



# Transmission Installation Guide

## RPM Transmissions

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**These are just a few items that need to be addressed while installing one of our transmissions. If you follow these guidelines, your transmission install will go as smooth as silk.**

### Automatic Transmission

- **Inspect O-ring on input shaft to make sure that it wasn't damaged in shipping**
- **Use a new converter (or have your current converter refreshed)**
- **Install one quart of fluid in converter before installing, and apply some fluid to the hub of converter before installing**
- **All transmissions are dyno-tested, so they will have residual fluid in them from the dyno. Assume there is no fluid in them and fill to proper levels. Fluid capacity depends on converter, how much fluid left from dyno, deep pan, etc.**
- **Ensure that the torque converter is completely seated in the pump, or transmission failure will occur (never install transmission with converter bolted to engine, or torque tube)**
- **4L80E transmission requires lower cover - some modification is necessary for fitment.**
- **Do not force transmission onto engine or torque tube by tightening the bellhousing bolts**
- **Ensure that you have 1/8" to 3/16" clearance between Converter and flexplate**
- **Confirm torque converter bolt length is correct**
- **Ensure that the bellhousing dowel pins are in the engine block**
- **Check shifter cable adjustment**
- **Monitor transmission temps and ensure transmission temps don't go above 200 degrees**
- **Use conventional Dexron III fluid**
- **Flush or replace transmission cooler and lines (our cooler of choice is B&M 70297)**
- **We recommend stock transmission parameters in the tune if you are uncertain how to tune it.**
- **Ensure that differential gear ratio is correct in the tune, or transmission failure will occur.**
- **4L60E/4L65E requires 10 - 12 quarts of fluid**
- **Fluid level is very critical (check, double check, triple check)**
- **We do not support or recommend Lokar flexible dipsticks.**
- **For C5 Corvette fill procedure, go to: [www.rpmtransmissions.mobi/C5fillprocedure.pdf](http://www.rpmtransmissions.mobi/C5fillprocedure.pdf)**
- **We highly recommend our own line of converters (although other brand converters will not void the warranty unless evidence of converter failure caused the transmission failure)**
- **To ensure proper operation, use a scanner to monitor TCC slip, current gear to check shifter adjustment, and monitor temperatures if you do not have a gauge. We highly recommend installing a gauge if your car does not already have a transmission temperature gauge.**
- **Avoid 4-2 downshifts. A 4th gear to 2nd gear downshift is very violent on the sprag in the transmission. Pull the shifter down into 3rd while doing any "spirited" driving.**
- **When running the car on a dyno, always have shifter in "D" or 3rd gear. Don't use software to put it into 3rd, place shifter in 3rd or "D".**
- **It is the customer's responsibility to use proper safety equipment required for ET or MPH**

## At the first sign of any problems, give us a call at 800-406-1109

RPM Transmissions warrants that each transmission manufactured or sold by RPM Transmissions will be free from defects in material and workmanship under normal use for a period of 90 days. RPM Transmissions' sole obligation under this warranty shall be to repair or replace, at its option, the defective transmission at no charge to the customer. Under no circumstance will RPM Transmissions be liable for any oil, towing, labor or rental vehicle charges.

As a condition of this warranty the customer must return any allegedly defective product, freight prepaid to RPM Transmissions, accompanied by a packing slip indicating the shipper, a copy of the original invoice. This warranty does not apply to unsatisfactory product performance which is attributed in whole or in part, to any factor, condition or circumstance other than defects in material or workmanship. Without limiting the foregoing, this warranty shall be null and void if repair or replacement is required because of improper installation, accident, physical or electrical stress, neglect, misuse or any other cause other than the ordinary and intended use for which the product was designed, or if the product has been dismantled, altered or repaired by the customer or by any third party. This warranty expressly does not cover loss or injury from the use of the product. By accepting and/or installing product, you are agreeing to the terms of this warranty.