



Manual Transmission Installation Guide

Phone: 800-406-1109 | www.rpmtransmissions.com

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

Manual Transmission

- Replace pilot bearing - not applicable for Corvette unless you are changing clutch also
- T56 requires 4 quarts of fluid (cars with coolers may require more fluid depending on size of cooler. Top off fluids with pump running.)
- GTO fill procedure (requires 4.6 qts.)
 - <http://www.rpmtransmissions.mobi/files/gtofillprocedure.pdf>
- Use Dexron III fluid, or Royal Purple Synchronax for high HP applications
- Ensure that the bell-housing dowel pins are in the engine block
- Flush cooler, pump, and all lines if equipped with a transmission cooler
- If using a shifter with adjustable stops, double check that stops are set properly.
- Adjust shifter box (C5/C6 Corvette)
 - <http://www.rpmtransmissions.mobi/files/c5shiftlinkageadjustment.pdf>
- If the transmission is doing the same thing it was before we rebuilt it, your problem is likely the clutch, shifter, or something else. Give us a call if this is the case. We can help you find the problem.
- CTS-V, GTO, 2010 Camaro owners: inspect linkage to shifter.
- Ensure that you have full clutch disengagement in the upper portion of the clutch pedal travel. If the clutch is releasing/engaging in the lower portion of the pedal travel, you must shim the lower slave or install an adjustable master slave. This step is very critical. If not, premature transmission failure will occur. This is not the most comfortable setup for everyday driving, but is a must for high performance application. **REMEMBER** - clutch release is very important!!!
- It is the customer's responsibility to use proper safety equipment required for ET or MPH

We do not allow remote bleeders on the hydraulic system. Doing so voids all warranty and we cannot help you do any diagnostics. They are very difficult to bleed properly and have caused many problems for that reason.

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.

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