



Tremec Transmission Pre-Installation Checklist & Setup Guide

A Supplement to Your Tremec Unboxing Experience

1. Remove the Shipping Plug (31-Spline Transmissions Only)

Applies to TKX and all T56 models

- Locate and remove the shipping plug using standard pliers (do not use needle-nose pliers).
- If the plug is stuck on the output shaft splines:
 - Reach under the environmental lip of the output shaft seal.
 - Gently pull on one side of the seal, then the other, to gradually work the plug out.

Important:

Do not attempt to shift the transmission with the shipping plug installed.

2. 28-Spline Transmissions

No action required. The seal will compress naturally when the slip yoke is installed.



3. Check Gear Shifting Before Installation

- Temporarily install the shift lever.
- Shift the transmission through every gear:
 - Engage first gear.
 - Rotate the input shaft at least one full turn in both directions.
 - Repeat this process for each gear.

Note for Tremec 6-Speeds:

These transmissions will not enter reverse without the reverse lockout solenoid being energized.

If all forward gears engage, reverse will function correctly after installation.

4. TKX Rail Alignment Correction (If Needed)

During shipping, shift rails on TKX models may come out of alignment. If the transmission is stuck in one gear and won't shift:

1. Remove the 4-bolt cover in front of the extension housing.
2. Inside, you'll see three lugs:
 - Left and right lugs are the same.
 - The center lug is narrower.
3. Use a screwdriver to reposition the misaligned lug until it clicks back into place.
4. Repeat the gear shifting check above, then reinstall the 4-bolt cover.



5. Interference Prevention & Case Prep

- T5 transmissions from Modern DriveLine include low-profile front case fasteners to avoid interference with bellhousings or adapters.
- Inspect the bearing retainer and front case edge for excess sealant.
- Carefully remove any excess sealant to prevent misalignment or case damage during installation.

Best Practices

Do:

- Apply cleaners to a rag and wipe the transmission manually.
- You may reinstall the 31-spline shipping plug temporarily to pre-fill with fluid and keep out contaminants.
- Always fill the transmission with the correct amount of oil before engine start.

Don't:

- Do not spray cleaners or solvents directly on the transmission — this may damage seals.
- Do not allow fluid to puddle on or around the unit.
- Do not start the vehicle with the shipping plug installed — this will damage the seal.



Need Technical Assistance?

Modern DriveLine is here to help.

Contact our tech support team for assistance with your installation:

Modern DriveLine

Phone: 208-453-9800

Web: www.moderndriveline.com