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Five & Six Speed Conversion Specialists!

MD-401-2116 Adapter Ford Y-Block 4-Speed Truck Bell to T-5



1. Tools and Notes

1. Dial indicator, Dial indicator magnetic base, 5/16" & 3/8" Allen sockets, 5/8" Socket, Torque Wrench, Medium Strength Loc-Tite, Metal File, Sanding wheel (as req'd).

2. Verification

1. Prior to installation, position the adapter plate on the front of the transmission. The registration hole in the adapter plate may fit snugly on the bearing retainer. This is normal. Verify the adapter plate sits flush.

2. If the adapter does not sit flush, this will cause binding and bending of the transmission case and bell housing when installed and tightened down, resulting in transmission case fatigue and improper alignment. There may be slight interferences of the bearing retainer casting that can be removed with a file, grinder, or sanding disk. File any lifted edges of the front of the transmission.
3. Re-check after any interference has been eliminated and the adapter will sit flush. Verify the installation holes line-up and the adapter plate fits snugly on the transmission bearing retainer.
4. Remove the adapter plate from the transmission and position the adapter plate on the bell housing. Verify the adapter plate fits snugly in the registration hole, sits flat on the back of the bell housing, and the bolt holes line-up.
5. Verify all fasteners thread into the holes by hand, with adapter plate in-position against the bell housing. There will be 6 bolts going into the adapter and two bolts going into the bell housing. The holes in the bell housing to verify are the two lower mounting holes, shown in the picture below with flush-head Allen fasteners.



3. Installation

1. With the adapter positioned to the rear of the bell housing, install the two upper fasteners with the high-collar lock washers from inside the bell housing. If the bell casting is not perpendicular to the fasteners it is permissible to sand the bell's bolt surface. Install the two countersunk Allen head fasteners from the adapter side and thread into the bell. We recommend medium strength loc-tite when installing fasteners. Position all four fasteners then torque the **upper 7/16-14 fasteners to 24 ft/lbs** and the **lower 1/2-13 fasteners to 37 ft/lbs**. Verify the adapter is sitting flush to the bell housing. Verify the upper fastener threads do not protrude to the transmission mounting surface.



2. You are now ready to install the transmission. Before you do... please read the “before you install your transmission” document. <https://www.moderndriveline.com/before-you-install-your-transmission/>. The transmission and bell with adapter should come together without having to draw them together using the bolts. Verify your pilot bearing and throw-out bearing are of proper size for the transmission input shaft tip and bearing retainer. Verify spline count and size for clutch disk and input shaft. Lube the pocket of a mechanical t/o bearing, lube exposed needle bearings in a pilot, **do not** grease the splines, **do not** grease pilot bushings.
Install and torque the four 7/16 fasteners in the adapter to 24 ft/lbs.



3. Further assistance and tech support is available by calling Modern Driveline at 208-453-9800 M-F 8-5 Mountain time or E-mail Tech@moderndriveline.com
4. Enjoy your new Adapter and Thank You for “Making it Modern” We appreciate your business.