

# Modern DriveLine

## Adapter Installation

These Instructions Service The Following Adapter Part Numbers:

MD-401-2101, -2102, -2102S, -2105CCR

Thank You for purchasing from Modern DriveLine.

The adapter plate you purchased requires drilling two holes in your existing bell housing. Two threaded holes will not align with any other holes; this is normal. Do not modify the adapter plate in any way. Note: There are two thru holes without threads on either side of the registration opening that do not get used; they are for tooling purposes only.

Prior to installing, verify fitment. Place the adapter onto the face of the transmission and verify the four threaded holes align with the mounting holes in the transmission case and the adapter registration opening is snug to the transmission bearing retainer. Also verify the adapter sits flat on the face of the transmission.

Verify fitment of the adapter onto the bell housing. Remove the adapter from the transmission and place into the bell. Verify the two countersunk holes on the adapter align with the threaded holes in the bell. Verify the adapter sits flat on the face of the bell housing and the registration flange fits snugly into the bell.

Temp install the two countersunk fasteners for the adapter into the bell housing and snug down. Use a drill bit or transfer punch that fits inside the two threaded holes of the adapter that do not align with the transmission fastener threaded holes. Drill those two holes thru into the bell housing using the adapter as a guide. Do not drill the holes in the adapter larger than they already are or remove any threads from any holes.

Remove the adapter from the bell and open up the newly drilled holes in the bell housing to 15/32" (7/16"+) diameter (full size). On the inside of the bell, clean up surfaces to be flush to be able to install 7/16" x 1" fasteners with lock washers.

This paragraph is for customers using a Tilton internal hydraulic throw out bearing. If you are not installing a Tilton T/O bearing, proceed to the next paragraph. This adapter will require modification to support the installation of a Tilton Hydraulic Bearing. Position the adapter to the face of the transmission. Temp install the Tilton bearing as described in the bearing instructions. Locate which bearing retainer fastener will be removed to install the Tilton retaining pin. Mark the adapter and remove the material in this area after removing from the transmission. There will be no need to remove material beyond the edge of the bearing retainer registration area. Remove all debris and chips from the installation area. Install Tilton retainer bolt per manufacturer's instructions. Some adapters have very small registration openings. For these adapters the Tilton bearing must be installed with the bell, adapter, and transmission already assembled and must be installed as a single unit.

Install the adapter to the bell housing using two c'sink fasteners and the two fasteners you drilled inside the bell. Verify the c'sink fastener heads are below the surface of the adapter and the two inner bolts' threads do not protrude beyond the face of the surface the transmission mounts to. Torque 7/16"-14 fasteners to 19 ft/lbs (dry) OR 15 ft/lbs with anti-seize compound applied. You are now ready to install your transmission.

Thank You for choosing Modern DriveLine Products. For technical assistance call 208-453-9800 M-F 9-5 Mountain Time.