



**13603 JOHNSON STREET NE, HAM LAKE, MN 55304  
763-767-4480 PHONE**

## **New Dodge Hemi to Chev transmission adapter kit installation instructions.**

Works with Dodge Hemi engines.

There are 2 versions of the kit.

One works with the transmission from the Chev LS series motors and the other works with the common Chev transmission like the 350/400/700R4 etc.



### **Kit contents:**

1. Bellhousing adapter plate
2. Converter to flex plate adapter
3. Top Steel Bar:
  - (2) 3/8-16 x 1 1/2" FHCS- Plate to block
  - (4)- 5/16-18 x 1" FHCS- Steel bar to plate
  - (2)- 3/8-16 x 1" Hex bolt – Top trans bolts
4. (2) 3/8-16 x 1 1/2" SHCS – Plate to engine-above dowel pins
5. (2) M10-1.5 x 35mm SHCS – Starter Bolts
6. (4) 3/8-16 x 1 1/4" Hex bolt – Side trans bolts (lower right w/ lock & flat washers)
7. (1) 3/8-16 x 3/4" Hex bolt – Block to plate, above starter
8. (4) Short GM metric torque converter bolts ( Flex plate to converter adapter)
9. (3) Long GM metric Torque converter bolts.

This kit allows you to bolt Chev auto transmissions to the Dodge 5.7 and 6.1 Hemi engines. This kit is designed to utilize the stock hemi flex plate and the stock Hemi starter.

Make sure that your alignment dowel pins are present to your engine. Place bellhousing adapter plate onto your engine over the original dowel pins. Fasten the plate with the enclosed cap screws and bolts to the block.

The 2 flathead screws go through the adapter plate into the block under the steel bar.

The two 3/8 x 16 x 1 1/2 inch socket head capscrews go through the adapter plate into the block at the next 2 bellhousing bolt holes down on the block. There is one 3/8 x 16 bolt that screws in from the other side of the plate. I've sent the plate with most of the bolts installed in the position they go in.

Attach the torque converter adapter onto your stock Chev torque converter using the supplied M10 x 1.5 GM metric converter bolts. The 3 long bolts fasten the converter adapter to the torque converter. There are 2 sets of bolt holes so it will fit both GM converter patterns. If you plan to use a 4L80E with 6 bolts, you can either use just 3 of the bolt holes or drill 3 new ones. Then the 4 bolts fasten the new converter assembly to the stock Dodge flexplate. Check your threads carefully to make sure you use the correct bolts. With the stock Dodge Hemi flex plate installed, fit the torque converter with adapter bolted to it (not in the transmission at this time) to the crankshaft making sure that with everything in place it can be pushed up to the flex plate with no interference. Now you can install the converter into the transmission (make sure that it is spun into the transmission all the way) and bolt the transmission to the engine. When the transmission is bolted to the engine, the converter must have some free play (approximately 1/8 to 3 1/6 of an inch.) If there is no free play, don't continue, find out why. Use loctite on the bolts holding the converter spacer to the flex plate. Use the stock Dodge hemi starter that came with your engine.