



Bendtsen's Speed Gems Transmission Adapters

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DO1000101 Dodge Hemi w/ NAG1 to Chev Auto Transmission

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. 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.

Materials Included

- (1) Adapter plate - Dodge to Chev Auto Trans
- (1) Torque converter spacer - DO10001-01
- (1) Top steel bar assembly - CH10004/DO10001-01
- (2) FHSCS 3/8-16 X 1 1/2
- (4) FHSCS 5/16-18 X 1
- (2) HCS 3/8-16 X 1 YZ 8
- (2) SHCS 3/8-16 X 1 1/2
- (2) SHCS M10-1.5 X 35 P 12.9 DIN 912
- (4) HCS 3/8-16 X 1 1/4 YZ 8
- (1) HCS 3/8-16 X 3/4 YZ 8

(4) Short GM metric torque converter bolt

(3) Long GM metric torque converter bolt

While performing this installation, please remember a few simple rules.

1. Install all bolts before tightening in a particular sequence
2. Use Loctite and torque bolts where applicable. Never force anything
3. Lubricate both threads
4. Trial fit everything to make sure it will fit. See rule #2.

Installation Instructions

1. 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.
2. The 2 flathead screws go through the adapter plate into the block under the steel bar.
3. 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.
4. 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 (or 6 if 4L80E) fasten the converter adapter to the torque converter. There are 2 sets of bolt holes so it will fit most GM converter patterns. Use the 6 stock original bolts to 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.

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