

### **Bendtsen's Speed Gems Transmission Adapters**

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# GM1000101 GMC Inline Six Cylinder to Chevy V8 Style Transmission

Make sure you clean all surfaces when mating these parts together. Always check bolt clearances. We try to make everything as simple as possible to help you, but the ultimate responsibility as to the assembly of the kit is up to the installer. Check and recheck as you go. We can't foresee every change or modification that could possibly occur in the building of a custom vehicle. Especially when we are dealing with 50-year-old motors.

## **Materials Included**

- (1) Adapter plate Chev/GM to V8
- (1) Flexplate
- (1) Chev staggered bolt starter168 N, Starter fits 1998 Chev 4x4 with the 5.3L engine
- (1) Block Spacer- GM10001
- (2) HCS 3/8-16 X 3 3/4 YZ 8
- (6) FHSCS 7/16-14 X 1-1/4
- (6) 7/16-20 x3/4 flexplate bolts
- (6) HCS 3/8-16 X 1 1/4 YZ 8

### 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 Intructions**

- 1. With your transmission removed, clean the back of the block where the adapter will contact it. Make sure both alignment dowels are in place. If you have three alignment dowels remove the one on top. Bolt the adapter plate to the block with the 5 flathead screws. Due to the differences in engines over the years, it may be necessary to fit the plate to the block. They weren't all made exactly the same. You may need to grind the block slightly where the weld on the starter bracket contacts the block. Also check where the starter bracket touches the oil pan. Some pans hit the bracket. If this is the case, grind either the bracket or the pan rail. This is a tight fit. This is so there will be a rock solid starter mount. Now install the provided flywheel using the 6 flywheel bolts provided. It only goes on one way and is a tight fit. You should now be able to bolt any Chev automatic transmission to the back of this motor. This kit is for use on motors with a 6-bolt crank only. This kit is designed to use a stagger bolt Chev starter from most V8s from the late 60s to the early 80s. Just as long as it is for a 168 tooth flywheel. Chev only had 2 different flywheel patterns for many years. A 153 and a 168.
- 2. **Important!** Check to make sure that the pilot on the torque converter you plan to use will fit into the crankshaft. The standard torque converter pilot on a GM converter is 1.702.
- 3. Check the ID of your crank. Some GMC cranks are the right size and some run a little oversize. You may have to have the converter pilot modified to work with this kit.
- 4. We will not warranty flexplates that are bent due to installer error! Make sure the converter is trial fitted before bolting trans to adapter!

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