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Chevy 216/235/261 to V8-Style Transmission

Disclaimer - Please Read Carefully

WARNING: Due to the nature of engine and transmission swaps, we cannot guarantee fitment into your vehicle without having to make mild to extensive modifications. This should be considered when starting your project. It is highly recommended to take the time to research any potential issues you may face prior to starting your build. There are numerous forums and websites that can help and give insight into any potential issues involved in the project. This project is not for a novice mechanic. If an individual is not confident in performing such extensive vehicle modifications, Speed Gems recommends finding a capable shop for assistance.

Prior to and during installation of your new Speed Gems Transmission Adapter Kit, always ensure to:

- Clean everything, including all components and surfaces.
- Use proper torque and **Loctite all bolts.**
- Do not force anything and begin all bolts by hand before using any tools. This will prevent cross-threading. All hardware should be tightened in a criss-cross or star pattern where applicable to ensure proper seating of parts and reduce the risk of warping part surfaces.
- Check all 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.

If you have any additional questions, please contact us by phone (763) 767-4480 during business hours or email sales@transmissionadapters.com at any time.

COMPONENTS INCLUDED IN KIT

(1) ADAPTER PLATE, CHEVY IN-6 TO CHEVY V8 AT
(2) SHCS, ¼-28 X 1-1/2
(6) FHCS, 7/16-14 X 1-1/4
(6) HHCS, 3/8-16 X 1-1/4
(2) SHCS, 7/16-14 X 3/4
(1) WASHER, STARTER SHIM
(2) DOWEL PINS, 5/8 X 1
(2) DOWEL PINS, 3/8 X 3/4
(1) FLEXPLATE W/ 168 TOOTH RING GEAR
(6) FLEXPLATE BOLTS
(1) HIGH-TORQUE MINI STARTER
(1) STARTER BLOCK



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INSTALLATION INSTRUCTIONS

1. Once the transmission is removed, clean the back surface of the block where the adapter will contact. Make sure both alignment dowels are in place. If there are three alignment dowels, remove the one on top. Also be sure to clean the crank flange surface.
2. Install the provided components using the supplemental engineering drawing.
3. Fasten the adapter plate to the engine block using (6) 7/16-14 x 1-1/4 FHCS; BOM item #3. Be sure to align the holes in the adapter plate with the engine block dowel pins.
4. Install the pre-welded flexplate & ring gear to the crank flange with the gear offset and welded face towards the engine. Align using the dowel pins on the crank flange and fasten using (6) flexplate bolts; BOM item #11.
5. Align the starter block to the engine side of the adapter plate using the provided dowel pins; BOM item #8. Fasten the starter block to the adapter plate using (2) 7/16-14 x 3/4 SHCS; BOM item #5.
6. Place the starter shim washer in the center hole of the starter block and against the adapter plate; BOM item #6.
7. Install the starter in the starter block using (2) 1/4-28 x 1-1/2 SHCS; BOM item #2.
8. Check and confirm the depth of starter engagement, or distance of the drive to the ring gear. If the engine can be started and ran, you can also make sure there is no vibration present.
9. Everything should now be set to install the V8-style automatic transmission. The flexplate provided in this kit will be pre-drilled to fit a 3-pad standard Chevy torque converter with 10-3/4" or 11-1/2" mounting pattern.



Speed Gems would like to THANK YOU for purchasing our products!

We would love to see pictures of our products installed on your Hotrod. Please tag us on our social media or send a picture to sales@transmissionadapters.com and we will get your project posted on our website.

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