



Speed Gems
transmission adapters

Performance. Delivered.
www.transmissionadapters.com
Email: sales@transmissionadapters.com
Phone: (763) 767-4480

1949-1953 Cadillac 331 to Chevy Automatic

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.
- 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 - Olds/Cadillac 1949-1964 to Chevy
(1) Crank Adapter - Olds/Cadillac 1949-1964 to Chevy
(1) Torque Converter Drive Plate
(1) Flexplate
(1) Starter
(1) Starter Block - Multiple Olds/Cadillac applications
(2) Dowel Pin .621 x 1
(8) SSHCS 7/16-14 x 1
(6) 7/16-20 x 3/4 Flexplate Bolts
(6) SHCS 7/16-20 x 3
(1) 143N Tooth Ring Gear
(3) 7/16 H Extra Thick Washer
(3) 7/16 Flat Washer



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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.
2. Make sure that the crank flange is extremely clean (i.e. - no burrs). Note the position of the factory notch in the crankshaft compared to the position of the offset bolt hole. This will be the same on all offset crankshafts.
3. Install the provided flexplate using the (6) 7/16-20 x 3/4" bolts included.
4. Install the provided crank adapter using the (6) 7/16-20 x 3" SHCS cap screws included.
5. Bolt the provided adapter plate to the block using the (8) 7/16-14 x 1" SHCS cap screws included.
6. Install the provided torque converter drive plate.
7. Install the starter to make sure it aligns with the ring gear. Next, turn the engine over with the starter to make sure everything is going to work correctly. 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.
8. Everything should now be set to install the Chevy automatic transmission.



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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