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## 1964-1966 Buick 401/425 Nailhead to Chevy Auto. w/ small hole Flexplate

### 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](mailto:sales@transmissionadapters.com) at any time.

### COMPONENTS INCLUDED IN KIT

(1) Adapter Plate - Buick Nailhead to Chevy
(1) Crank Adapter-1964-66 Buick 401/425 Nailhead to Chevy Auto.
(1) Torque Converter Drive Plate
(1) Flexplate - Small Center
(6) SHCS 7/16-20 x 3
(4) SHCS 7/16-14 x 1-3/4
(2) SHCS 7/16-14 x 1-1/4
(6) 7/16-20 x 3/4 Flexplate Bolts
(2) Dowel Pin .621 x 1
(3) 7/16 H Extra Thick Washer
(3) 7/16 Flat Washer
(1) 166W Tooth Ring Gear
(1) Balance Weight – Buick 401/425 to Chevy Auto.



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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. Install the provided flexplate using the (6) 7/16" x 3/4" bolts provided.

For 1964-66 models, make sure the flexplate is aligned on the crank correctly; It is balanced.  
*Make sure you can see the dimple in the crankshaft through the alignment hole.*

3. Install the provided crank adapter using the (6) 7/16" x 3" SHCS cap screws provided.
4. Bolt the adapter plate to the block using the (4) 7/16" x 1-3/4" SHCS cap screws and the (2) 7/16" x 1-1/4" SHCS cap screws provided. The (2) shorter cap screws get installed next to the spot where there are adjoining holes, under the dowel pins.

After the bolts are in place, lightly oil, then tap the provided dowel pins in place with a hammer. They are a tight slip fit and be sure that they go in straight.

5. Install the provided torque converter drive plate using the (6) 7/16" x 3/4" bolts provided.
6. Everything should now be set to install any 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](mailto:sales@transmissionadapters.com) and we will get your project posted on our website.



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