



Speed Gems
transmission adapters

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

Chevy LS1-Series to Dodge Hemi w/ NAG1

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 - Dodge to Chevy
(1) Flexplate Adapter
(1) Top steel bar Assembly
(2) FHSCS 3/8-16 x 1-1/2
(4) FHSCS 5/16-18 x 1
(2) STUD 3/8-16 x 1-1/2
(2) 3/8-16 Hex Nut
(2) 3/8 Flat Washer
(2) SHCS 3/8-16 x 1-1/2
(2) SHCS M10-1.5 x 35
(4) HCS 3/8-16 x 1-1/4
(1) HCS 3/8-16 x 3/4
(4) Short GM metric torque converter bolt
(3) Long GM metric torque converter bolt



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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.
2. Install the provided adapter plate using the (2) 3/8-16 x 1-1/2" FHSCS (*plate to block*), (2) 3/8-16 x 1-1/2" SHCS (*bolts above dowel pins*) and (1) 3/8-16 x 3/4" HCS (*bolt above starter*) included.
3. Bolt the provided top steel bar assembly to the adapter plate using the (4) 5/16-18 x 1" FHSCS included.
4. Install the provided flexplate adapter using the torque converter bolts included.
5. Install existing starter using the (2) M10-1.5 x 35 starter bolts included. 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.
6. Everything should now be set to install the transmission using the (2) 3/8-16 x 1-1/2" STUD (top side) and (4) 3/8-16 x 1-1/4" HCS (lower right side using flat & lock washers) included.



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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