



**1966-1970 B-Body Mopar with Stock V8 K- Member
GEN3 Hemi Swap Transmission Adapter
BHS534 -Torque Flight 727**



Installation Instructions

Thank you for choosing to use HOOKER™ engine swap mounting brackets as part of your GEN3 HEMI Swap project. These mounting brackets are part of the most comprehensively engineered system of mounting components, headers and exhaust systems available for this application. Please read these instructions thoroughly before attempting installation.

IMPORTANT: Requires Hooker Blackheart Engine Mounting Brackets **P/N BHS531**, 2 bolt Chevy Transmission mount **P/N 7223029HKR**, and Transmission Crossmember **P/N BHS532**

Visit www.holley.com for a complete selection of Transmission Crossmember ,Headers ,Exhaust and more GEN3 HEMI support products to complete your B-Body Hemi Swap.

COMPATIBILITY INFORMATION:

66-70 B-Body Mopar cars using GEN3 HEMI engines, installing the following transmission, and using the listed supporting parts:

727 Transmission: Crossmember **P/N BHS532**, Transmission mount **P/N 71223029HKR**, Engine Mounting Brackets **P/N BHS531**

Install Notes:

- 1" transmission shift linkage extension may be required. Kick down cable kit required (fabrication required).
- Check drive shaft yolk depth into tail housing of the transmission after install.

PARTS LIST:

Qty.	Description
1	Transmission Adapter Plate

Accessory Pack Contents

2		7/16-14 x 1" Flange Bolt
2		7/16-14 x 1.25" Flange Bolt
2		7/16-14 Flange Nut
2	599R94	Decal – Blackheart 2" x 4"
1	199R12010	Instruction Sheet

Check the hardware package. If anything is missing, please contact Technical Service at 1-866-464-6553 or 270-781-9741.

TOOLS NEEDED:

3/8" Socket Set
11/16 Wrench
5/8 Wrench

INSTALLATION:

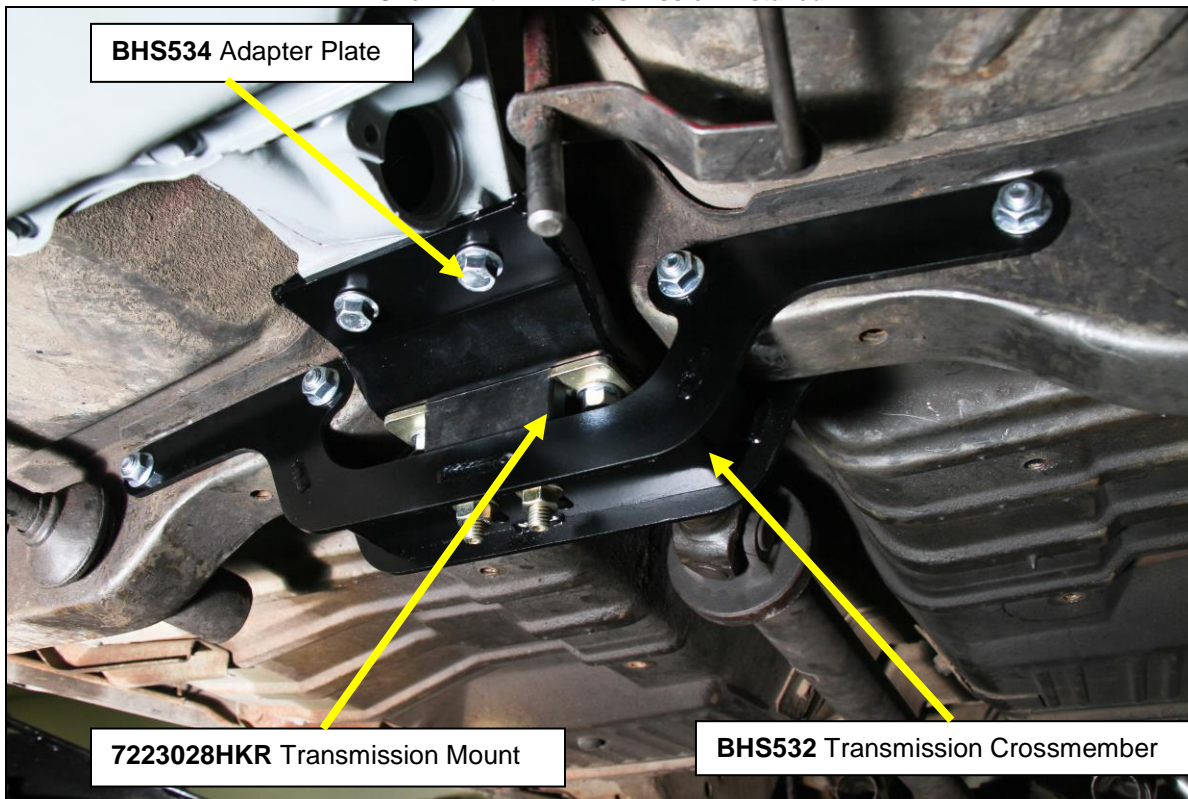
These instructions assume the engine and transmission are installed.

1. Install the Hooker Blackheart Transmission Adapter Plate on to the transmission tail shaft using the (x2) supplied 7/16 x 1.25" bolts. Tighten the bolts. **NOTE:** The side flange of the Adapter Plate will face "UP" towards the transmission.
2. Install the Transmission Mount to the Transmission Adapter Plate with the (x2) 7/16 x 1" bolts and nuts supplied in the Adaptor Plate Kit.

NOTE: The Transmission Mount will be installed between the Adapter Plate and the **BHS532** Transmission Crossmember (**Fig. 1**).

3. Install the **BHS532** (SOLD SEPERATLY) crossmember and align the studs of the transmission mount while raising the transmission crossmember into position. Align the bolt holes and install the provided 7/16 x 3.5" bolts with washers, install the provided flange nuts, and tighten. Align the transmission to center. Install the nuts onto the transmission mounts and tighten.

Shown with 727 Transmission Installed



Any questions? Please contact Technical Service: 1-866-464-6553 or 270-781-9741. For online help, please refer to: www.holley.com.