



**1966-1970 B-Body Mopar with Stock V8 K- Member  
727, Nag1, & 8HP70  
GEN3 Hemi Swap Transmission Crossmember**



**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 a transmission adapter plate specific to the transmission being installed. See compatibility below for part numbers and installation notes.

**COMPATIBILITY INFORMATION:**

This Crossmember was designed specifically to place the engine and transmission in the vehicle to accommodate the widest range of Engine, Transmission, and Accessory Drive combinations possible. Using Hooker Blackheart engine mounts and transmission adapter plate will be required with this crossmember. The transmissions listed will not require cutting the transmission tunnel, but will require minor to moderate massaging to accommodate the larger cases. See below.

**Supporting Hooker Blackheart parts required for use with BHS532 Transmission Crossmember:**

**727 :** Adapter Plate **P/N: BHS534**, Transmission mount **P/N: 71223029HKR**, Engine mounting brackets **P/N: BHS531**  
**Install Notes:** 1" transmission shift linkage extension may be required. Kick down cable (fabrication required).

**NAG1:** Adapter Plate **P/N: BHS535**, Transmission mount **P/N: 71223029HKR**, Engine mounting brackets **P/N: BHS531**  
**Install Notes:** Some Transmission tunnel massaging will be required (shift linkage). Minor case trimming will be required.

**8HP70:** Adapter Plate **P/N: BHS536**, Transmission mount **P/N: 71223029HKR**, Engine mounting brackets **P/N: BHS531**  
**Install Notes:** Moderate Transmission tunnel massaging will be required. Minor case trimming will be required.

**PARTS LIST:**

Qty.	Description
1	Transmission Crossmember

## Accessory Pack Contents:

4		7/16-14 x 3.25" Bolt
4		7/16 Flat Washer
4		7/16-14 Flange Nut
2	599R94	Decal – Blackheart 2" x 4"
1	199R12008	Instruction Sheet

## TOOLS NEEDED:

3/8" Socket Set To 3/4"
3/4 Wrench
11/16 Wrench
5/8 Wrench

## INSTALLATION:

These instructions assume the engine and transmission are already installed.

1. Install the Hooker Blackheart Transmission Adapter Plate applicable to your transmission (see instructions provided with the adapter plate).
2. Install the Transmission Mount to the Transmission Adapter Plate with the hardware supplied in the Adapter Plate Kit.

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

3. Install the **BHS532** 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 3.25" 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

