



**1973-1987 GM C10 Gen 3 Hemi Swap Engine Mounting Brackets  
BHS561  
Installation Instructions**



Thank you for choosing to use HOOKER™ engine swap mounting brackets as part of your 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.

**PRE-INSTALLATION CONSIDERATIONS:**

Hooker aftermarket polyurethane inserts (Hooker Blackheart LS/LT Polyurethane Inserts – P/N's 71221016HKR (Black) or 71221017HKR (Red) along with Hooker BHS514 heavy duty hemi clamshells.

In addition, a pair of metric motor mount through-bolts and a pair of locking flange nuts will need to be sourced for connecting the Hooker engine brackets to the motor mounts. Specification requirements are 10.9 M12 x 1.75 x 140mm or Hooker Blackheart 71223015HKR engine mount bolt kit.

**COMPATIBILITY INFORMATION:**

These Gen 3 Hemi swap brackets have only been tested on 2-wheel drive applications.

This engine swap mounting bracket kit requires the use of OE Mopar rear sump oil pans (Example: Mopar 4893207AA).

More Hemi engine performance components, such as EFI fuel control systems, fuel filters, fuel pumps, plumbing hose/fittings, and valve covers can be found at [www.holley.com](http://www.holley.com).

**BEFORE BEGINNING:**

Check that the hardware package includes the following:

Qty.	Description
6	3/8 x 16 x 1 Bolts
6	3/8 x 16 Nuts

If you are missing any hardware, please contact Technical Service at 1-866-464-6553 or 270-781-9741.

## **INSTALLATION:**

1. Remove the factory engine mounts from the frame and clean the bracket mounting surfaces.
2. Attach the Hooker engine mounting brackets to the frame (**Figure 1**) using the supplied 3/8" hardware, leave the hardware loose at this time.



3. Install new polyurethane mounts on the engine to be installed with the tab facing upwards.
4. Install the engine/transmission assembly onto the Hooker engine brackets and couple the engine mounts to the engine brackets using the Hooker Blackheart 71223015HKR engine mount bolt kit or user-sourced metric cap screws and flanged locking nuts.
5. Once the engine is sitting in the engine bay as it should, use a wrench to tighten the (x6) mounting bolts and (x2) through-bolts.
6. Raise the rear of the transmission as high as it will go, and install the Hooker Hemi swap transmission crossmember per the instructions included with its packaging.
7. Your Hemi swap engine and transmission are now mounted and ready to be outfitted with headers and an exhaust system. Hooker Blackheart Gen 3 Hemi 1973-1987 C10 swap headers and exhaust systems are specifically designed for use with these engine mounting brackets.

## **LIMITATION OF LIABILITY – DISCLAIMER:**

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**199R12153**  
**Date: 8-24-21**