



## 1963-1967 GM C10 LS/LT Swap Engine Mounting Brackets BHS538

### Installation Instructions



Thank you for choosing to use HOOKER™ engine swap mounting brackets as part of your LS and LT swap projects. 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:**

Installation of these brackets requires the use of new stock OE 4<sup>th</sup>-gen F-body LS engine mounts (ex: GM 22179268 or Anchor 3064) or aftermarket polyurethane inserts (Hooker Blackheart LS/LT Polyurethane Inserts – P/N's 71221016HKR (Black) or 71221017HKR (Red) along with Hooker 71221018HKR LS heavy duty clamshells or 71221019HKR LT heavy duty 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 swap brackets are for wide frame rails only. Narrow frame rails commonly found on 1968-72 trucks will use BHS511 swap brackets (Figure 2).**

These LS/LT swap brackets have only been tested on 2-wheel drive applications.

This engine swap mounting bracket kit requires the use of a Holley® **302-2 and 302-3** oil pan for installation and provides engine compatibility with Holley accessory drive system equivalent in all spacing's.

More LS and LT 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:**

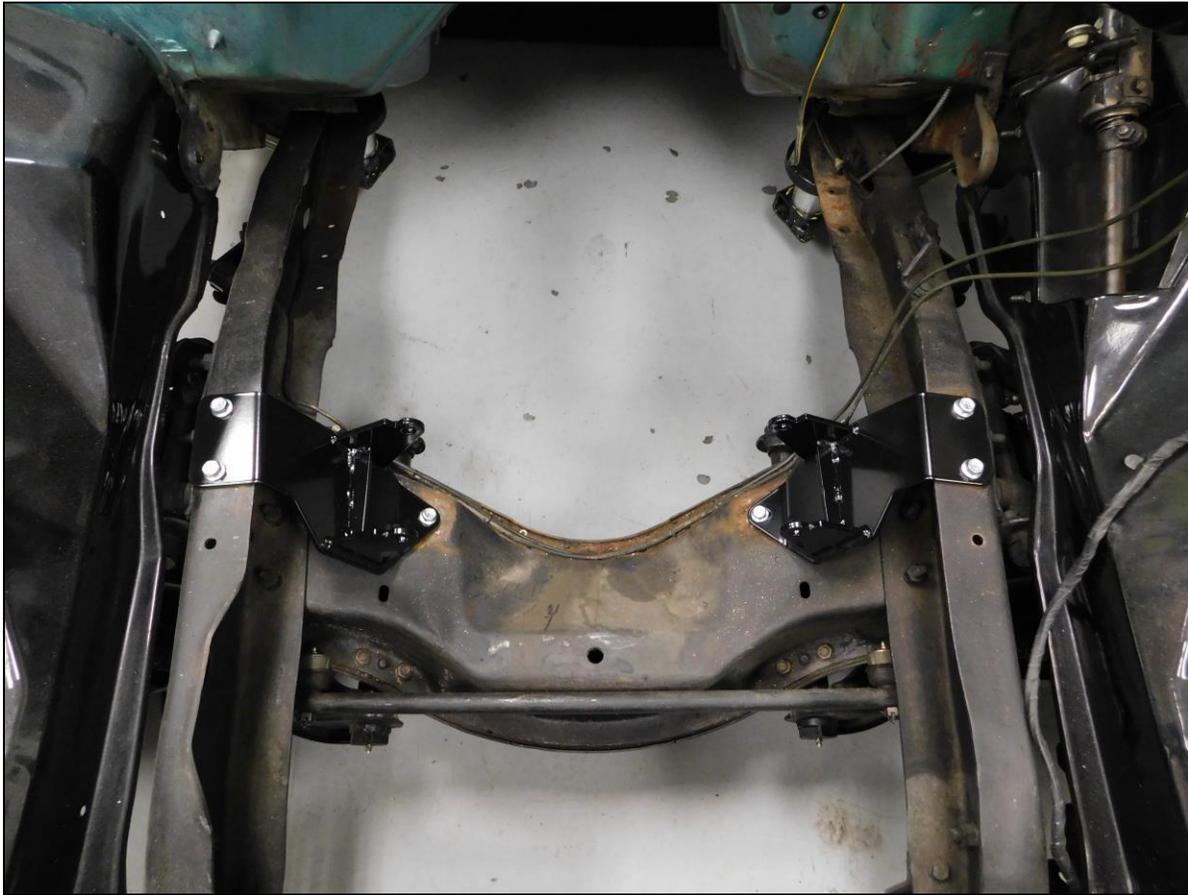
Check that the hardware package includes the following:

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:**

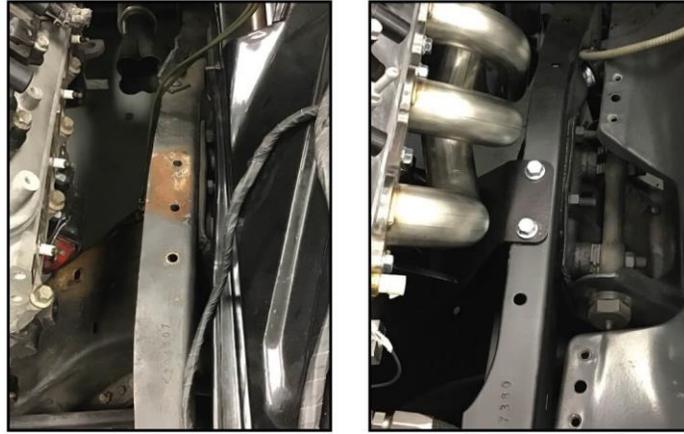
1. Remove the factory engine mounts from the frame and clean the bracket mounting surfaces.
2. Attach the Hooker engine mounting brackets to the frame using the supplied 3/8" hardware. Leave the hardware loose at this time.



**Figure 1**

3. Install new OE rubber or aftermarket polyurethane mounts on the LS/LT engine to be installed.
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 through bolt.
6. Raise the rear of the transmission as high as it will go and install the Hooker LS/LT swap transmission crossmember per the instructions included with its packaging.
7. Your LS/LT engine and transmission swap are now mounted and ready to be outfitted with headers and an exhaust system. Hooker Blackheart LS/LT 63-67 C10 swap headers and dual exhaust systems are specifically designed for use with these engine mounting brackets.

## Frame Rail Comparison



Wide Frame Rail

Narrow Frame Rail

Figure 2

**LIMITATION OF LIABILITY – DISCLAIMER:**

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Unless expressly stated to the contrary in the catalog, instruction sheet; or price list, the entire risk as to the conformity of any company product in any such state and as to repair should the product prove to be defective or non-conforming, is on the retail purchaser, the buyer, the ultimate consumer, of such product and it is not upon the seller, distributor, or manufacturer.

In this connection, the retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, or repair.

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