



## Installation Instructions & Warranty Information

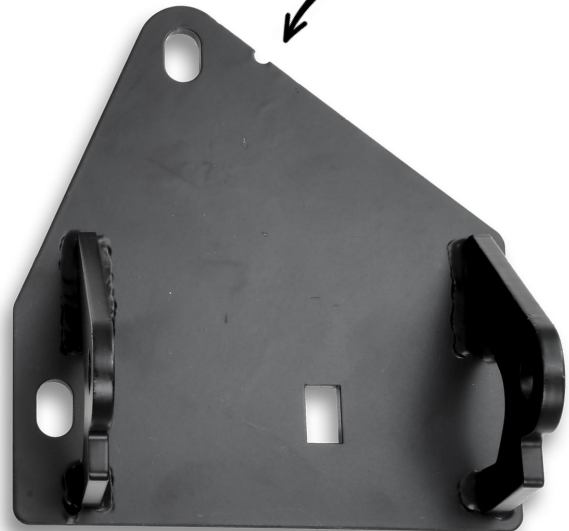
SK103 ~ 1967-67 GM A-Body

LS Engine Swap Motor Mount Brackets

Driver Side Mount  
'V' Notch



Passenger Side Mount  
'C' Notch



**PerTronix®** thanks you for choosing **DOUG'S HEADERS**, the best fitting, highest quality Header and Engine Swap products on the market. To realize the full potential of our good fit, please read and understand these instructions completely prior to starting work.

Check to make sure you received the proper parts for your application against the parts list in these instructions. If you are unsure you have received the proper parts, please call PerTronix before you start work.

**Be sure to work safe!** Whenever you work under the vehicle be sure that it is located on level, solid ground and is supported by adequate safety stands!

**Remember: Hot asphalt will not support most jack stands!**

### **WARNING:**

This product can expose you to chemicals including Lead, Nickel, Cadmium and Chromium which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### **NOTE: Read Before Starting Installation**

1. Doug's motor mount kit SK103 is designed to be used exclusively with Doug's transmission crossmember SKC101. Use of any other brand of crossmember will not necessarily fit and driveline angles will be incorrect causing vibrations.
2. Doug's Oil Pan #SKOP100 is required to clear the frame crossmember.
3. 4th Gen Camaro motor mount isolators, GM part #22179266, Anchor #3064 or Energy Suspension #3-1151 are required to mount the motor.
4. Use of these mounts will allow LS engines with 4L60/4L65/4L70/4L75/4L80/4L85, TH-400, 200-4R to be installed when using the Doug's SKC101 without cutting the floor or firewall (other than for shifter location). Some "persuading" with a large hammer may be necessary with various transmissions, see comments in the trans crossmember instructions. T-56 transmissions will require floor modifications.
5. Doug's offers both long and mid length headers (D3349 and D3350) as well as complete exhaust systems (DES103). Alternatively, Patriot Cast Iron manifolds will also work with this swap (H8097).

### **Additional Tips for this swap**

- ▶ Front Engine Accessory Drive (FEAD) systems - Stock Corvette (excluding the A/C compressor/bracket, which must be relocated) or Truck (using the smaller 5" diameter power steering pump pulley and stock Denso A/C compressor without rear pressure sensor) will work, as will some aftermarket systems.
- ▶ Motor mounts approximately 1" forward compared to Gen 1 Small Blocks for optimum transmission tunnel clearance and driveline angles.
- ▶ Low-mount A/C compressors should clear in most applications.
- ▶ Compatible with stock Saginaw, CPP500 or Delphi 600 series power steering boxes
- ▶ These mounts are compatible with the stock A/C Evaporative unit as well as the standard heater box and hose. You MAY want to relocate the #8 ignition coil for more clearance.
- ▶

### **INSTALLATION**

1. Check that all the parts are in the kit before starting. If you are unsure, contact Doug's Tech department at 909 599-5955
2. With the old engine and transmission removed, remove the original motor mount brackets from the frame. Clean the mounting area and paint if necessary to stop rust from occurring.
3. Bolt the Doug's motor mounts to the front crossmember using the supplied hardware. The carriage bolts go in the rectangle slotted holes, while standard bolts go through the round holes. Use flat washers under the standard bolt heads. Use a flat washer and lock washer under the nuts. **DO NOT TIGHTEN AT THIS TIME.** You will not tighten the hardware until your transmission crossmember is installed and everything is verified as being level.
4. Bolt the Camaro Isolators to your motor with the supplied M10 Hex bolts and Flat Washer. Use the M12 x 140mm bolts to attach the isolators to the brackets. Do not install the motor yet.
5. Proceed with the installation of the appropriate Doug's Transmission Crossmember to complete the installation. Do not attempt to install the motor and trans until you follow the instructions with the SKC101 transmission crossmember kit.

#### Parts List

1	Left Motor Mount Bracket	1	Right Motor Mount Bracket
4	3/8-16 x 1 1/4" Hex Head Bolt	6	3/8-16 Hex Nut
2	3/8-16 x 1" Carriage bolt	2	M12-1.75 x 140mm Bolt
2	M12-1.75 Hex Nut	4	M12 Flat Washer
2	M12 Lock Washer	8	3/8 Flat Washer
6	3/8 Lock Washer	8	10mm-1.5 x 30mm Hex Bolt
8	10mm Flat Washer		



This product is designed for swapping a non-original engine into a vehicle that did not offer it. Laws vary by state regarding emissions regulations for engine swaps. This product is Illegal for Street or Off Highway use on any 1975 or newer vehicle originally equipped with a catalytic converter and may further be illegal depending on state or federal engine swap emissions laws regardless of vehicle year and would therefore only be legal for Closed Course Competition use. *PerTronix Performance Brands 2021*

### DOUG'S HEADERS LIMITED WARRANTY

All Doug's Headers and Exhaust products are guaranteed, to the original purchaser, to be free of defects in material and workmanship for one year from date of purchase. This warranty covers the replacement or repair of the product and does not cover the cost of removal and installation, customer applied coatings, or Any discoloration or corrosion of finished surfaces.

Damage or product failure resulting from collision, improper installation, off road use, road hazards, the use of exhaust insulating wrap, or rust occurring after installation is not covered by the warranty. This warranty extends only to the original purchaser.

Should a part be deemed defective, it should be returned to the original selling retailer and must be accompanied by the sales receipt. If there is no retailer in your area, contact PerTronix direct for a return authorization and return the part prepaid to the factory for inspection. PerTronix reserves the right to replace or repair the alleged defective part and return the part freight collect.

