



1967-81 GM F-Body LS Swap Exhaust System Adapters

P/N 42101HKR, 42102HKR, 42103HKR, 42104HKR, 42105HKR, 42106HKR, 42107HKR, 42108HKR, & 42109HKR
Installation Instructions

Thank you for choosing HOOKER™ LS swap exhaust system adapters to be part of your 1st or 2nd-gen F-body exhaust system. These multiple adapters are part of the most comprehensively engineered system of mounting components, headers and exhaust systems available for these vehicle applications. The entire HOOKER™ swap system is designed to decrease your total swap installation effort and cost, while increasing the engineered quality of your vehicle and compatibility of these components with other popular aftermarket components.

IMPORTANT DESIGN AND INSTALLATION INFORMATION:

These adapters are designed to provide bolt-in compatibility with HOOKER™ LS swap exhaust manifolds (2nd-gens only), headers, engine mounting brackets and transmission crossmembers specifically designed for this vehicle application. Suitability of these adapters for use with any other brand or design of engine mounts and/or headers is highly questionable. However, their expanded use as the starting point of a custom exhaust system on vehicles equipped with HOOKER™ LS swap engine brackets, transmission crossmembers and HOOKER™ cast iron exhaust manifolds or headers can also be seriously considered.

All Hooker long-tube headers for these applications install directly to the HOOKER™ 42502HKR 3" (2nd-gen F-body) or 42504HKR (1st-gen F-body) exhaust systems without the use of adapters.

Column shift automatic applications will require the use of a Lokar™ or similar aftermarket shift linkage or cable assembly.

Position and support your vehicle on a suitable surface... **USE CAUTION AND WORK ONLY ON A LEVEL SURFACE USING JACKS AND JACKSTANDS OF SUFFICIENT CAPACITY TO LIFT AND SUPPORT YOUR VEHICLE. NEVER WORK UNDER A VEHICLE SUPPORTED BY A FLOOR OR BUMPER JACK.** Use of a two-post under arm lift or four-post drive-on lift will considerably reduce the time and effort required to complete the installation... **BE CERTAIN LIFT LOCKS ARE ENGAGED BEFORE PLACING YOURSELF UNDER THE VEHICLE.**

APPLICATION REFERENCE CHECK:

Be sure the adapter kit part number you have matches the intended application correctly below:

1975-81 model year specific vehicles-

42101HKR - for connecting HOOKER™ 8501HKR cast iron LS exhaust manifolds to HOOKER™ 42501HKR 2.5" exhaust system
42102HKR - for connecting HOOKER™ 2471HKR 1-3/4" mid-length headers to HOOKER™ 42501HKR 2.5" exhaust system
42103HKR - for connecting HOOKER™ 2472HKR 1-7/8" mid-length headers to HOOKER™ 42502HKR 3" exhaust system

1970-74 model year specific vehicles-

42104HKR - for connecting HOOKER™ 8501HKR cast iron LS exhaust manifolds to HOOKER™ 42501HKR 2.5" exhaust system
42105HKR - for connecting HOOKER™ 2471HKR 1-3/4" mid-length headers to HOOKER™ 42501HKR 2.5" exhaust system
42106HKR - for connecting HOOKER™ 2472HKR 1-7/8" mid-length headers to HOOKER™ 42502HKR 3" exhaust system

All 1970-81 model year vehicles-

42107HKR- for connecting any HOOKER™ 2nd-gen F-body LS swap long-tube headers to HOOKER™ 42501HKR 2.5" exhaust system

All 1967-81 F-Bodies-

42107HKR- for connecting any HOOKER™ 1st-gen F-body LS swap long-tube headers to HOOKER™ 42503HKR 2.5" exhaust system
42108HKR - for connecting HOOKER™ 2473HKR 1-3/4" mid-length headers to HOOKER™ 42503HKR 2.5" exhaust system
42109HKR - for connecting HOOKER™ 2474HKR 1-7/8" mid-length headers to HOOKER™ 42504HKR 3" exhaust system

INSTALLATION:

NOTE: The following steps assume you are installing this system in conjunction with HOOKER™ LS swap mounting components and long-tube headers, mid-length headers or cast iron manifolds already in place on the vehicle.

42101HKR & 42104HKR- connecting to HOOKER™ cast iron LS exhaust manifolds (2nd-gen F-body only)

1. Attach the left and right adapters to the outlets of the HOOKER™ cast iron manifolds with the gaskets and bolts supplied with the adapter kit. The driver side adapter will be identified by the presence of a "D" stamped into the face of the flange. The flanges that were included with the exhaust manifold set will not be used in this installation.

2. Install the left and right O2 sensors into the bungs on the adapters and tighten.
3. Complete the installation of your HOOKER™ 42501HKR 2.5" exhaust system per the instructions included in its packaging.

42102HKR, 42103HKR, 42105HKR, & 42106HKR- connecting to HOOKER™ 2471HKR & 2472HKR 2nd-gen mid-length LS swap headers

1. Place a supplied band clamp over the inlet of each adapter pipe and install them onto the header collectors. Tighten the clamps sufficiently enough to hold the adapters in place, but not enough to prevent final alignment during installation of the HOOKER™ 2.5" or 3" exhaust system to follow. When correctly installed, the O2 bungs of each adapter will be biased slightly towards the center of the vehicle. If they are not, flip their left to right orientation.
2. Install the left and right O2 sensors into the bungs on the adapters and tighten.
3. Complete the installation of your HOOKER™ 42501HKR (2.5") or 42502HKR (3") exhaust system per the instructions included in their packaging.

42107HKR- connecting any HOOKER™ LS swap long-tube header for these applications to Hooker's 42501HKR or 42503HKR 2.5" exhaust systems (cutting of the exhaust system inlet pipes is required).

1. Before proceeding to install the 42501HKR or 42503HKR exhaust system on your vehicle, you must subtract the installed length of the adapters from the length of the system inlet tubes and trim the inlet tubes to length to accommodate the length of the 42107HKR adapters; the adapters will then be installed over the O.D. of the header collectors and be clamped in place using the band clamps included with the adapters. Once accomplished, the exhaust system will be installed per its instructions and be connected to the adapters using the double-ended couplers included with the exhaust systems.

42108HKR, 42109HKR- connecting HOOKER™ 2473HKR and 2474HKR 1st-gen mid-length LS swap headers

1. Place a supplied band clamp over the inlet of each adapter pipe and install them onto the header collectors. Tighten the clamps sufficiently enough to hold the adapters in place, but not enough to prevent final alignment during installation of the HOOKER™ 2.5" or 3" exhaust system to follow. When correctly installed, the O2 bungs of each adapter will be biased slightly towards the center of the vehicle. If they are not, flip their left to right orientation.
2. Install the left and right O2 sensors into the bungs on the adapters and tighten.
3. Complete the installation of your HOOKER™ 42503HKR (2.5") or 42504HKR (3") exhaust system per the instructions include in their packaging.

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

LIMITATION OF LIABILITY – DISCLAIMER:

The regulation of emissions production, noise levels, and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns, and counties.

HOOKER™ makes no warranties of merchantability, of fitness for particular purpose, or that its products are approved for general use, or that its products comply with laws, regulations, or ordinances in the state where they may be sold to the ultimate purchaser, the consumer.

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.

THE FOREGOING STATEMENT LIMITS THE LIABILITY OF THE MANUFACTURER.

California vehicle code, sections 27156 and 38391, prohibits the advertising, offering for sale, or installation of any device, which modifies a vehicle's emission control system, unless exempted, unless otherwise noted. HOOKER™ Headers that have not received an Executive Order (E.O.) exemption from these code sections are not legal for sale or use in California on vehicles originally equipped with catalytic converters, except for racing vehicles, which may never be driven upon a highway. Check with your local authorities to determine if these headers are legal for use in your particular area.

Technical Service: 1-866-464-6553

Phone: 1-270-781-9741

Fax: 1-270-781-9772

For online help, please refer to the Tech Service section of our website: www.holley.com

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