

DOUG THORLEY HEADERS

A DIVISION OF SUMMIT INDUSTRIES, INC.

THY-320-C 4:1 STEPPED LONG TUBE HEADERS

1967-69 CAMARO, 1968-74 NOVA, LS MOTOR SWAP (1-3/4" TO 1-7/8" STEPPED PRIMARIES)



LEGALITY NOTE

The installation of headers onto any vehicle must be performed in accordance with all governmental regulations that might pertain to the particular vehicle receiving the headers. Please call your Doug Thorley Headers distributor if there are any questions regarding the legality of the installation. **There is no Executive Order ("E.O.") number for this part.** If your vehicle was manufactured on, or after, 1976 these exhaust headers DO NOT comply with California Air Resource Board regulations and are NOT LEGAL for sale or use on pollution controlled vehicles in the state of California. Any vehicles manufactured 1975 or older are not subject to California smog laws.

WARRANTY NOTES*The utmost care is taken at Doug Thorley Headers to maintain the highest standards of quality. However, Doug Thorley Headers cannot control the installation of the product. For this reason, the Doug Thorley Headers warranty covers only the replacement of the components, not the labor for the installation.*

- 1. The use of any type of "header wrapping" voids the warranty. Using any sort of wrapping material on the headers destroys the tubing's ability to dissipate heat, causing very rapid deterioration of the metal and the subsequent failure of the headers.*
- 2. Any chrome plating applied to DTH header components is a high-nickel chrome finish applied to retard corrosion. This is known as commercial quality "heat" chrome designed to protect the metal from the environment only. This finish is not "show chrome" and is not intended for the sake of appearance. This high-nickel chrome will turn colors and approach black as it cooks into the metal. The initial brilliance of the chrome finish is not covered under the warranty. Contamination of the surface by foreign substances may produce other color patterns. This can be prevented by routine cleaning.*
- 3. Retain all paperwork pertaining to the purchase of your Doug Thorley Headers product. Save your receipt, your limited life time warranty is not valid without the original proof of purchase.*

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PARTS INCLUDED

- Driver Side Header Assembly (1)
- Passenger Side Header Assembly (1)
- Notched Adapter Tube (2)
- Band Clamp, Stainless, 3.0" (2)
- Header Flange Gasket Kit, set of 2 (1)
- Hex Flange Head Bolt, M8-1.25x25mm (12)

TOOLS REQUIRED

- 3/8" Drive Ratchet and Extensions
- 8mm, 10mm, 12mm, 14mm Sockets and Wrenches

INSTALLATION NOTES

1. It is important that you read the entire instruction sheet before initiating any installation.
2. Thorley headers are designed to fit only factory installed engine and transmission combinations. We cannot guarantee that Thorley headers will fit in the case of "engine swaps" or "transmission swaps".
3. Due to restricted room in the engine compartment, your headers may come close to certain body and chassis components. This is normal for an installation of this type. However, a careful inspection must be completed to insure that the distances and placement are reasonable and logical, especially with regard to electrical, fuel, and brake components.
4. Because of the requirement to raise the engine to facilitate header installation, the engine mounts should be carefully inspected at that point of the installation. It is highly recommended that questionable or deteriorated engine mounts be replaced during the installation of the headers. In some cases, the engine mounts need to be loosened and repositioned to provide optimum header clearance from some components.
5. Because of car-to-car variations, Thorley Headers strongly recommends that these headers be installed by a competent exhaust shop that has welding and fabrication capabilities.

INSTALLATION PROCEDURE NOTES

WARNING! – DO NOT RELY ON BUMPER JACKS OR CHASSIS JACKS FOR SUPPORT DURNING HEADER INSTALLATION. THE VEHICLE SHOULD BE RAISED AND SUPPORTED WITH JACKING EQUIPMENT AND JACKSTANDS OR RAMPS INTENEDED FOR UNDERCARRIAGE AUTO MAINTENANCE. IT IS EXTREMELY DANGEROUS TO WORK UNDER ANY IMPROPERLY RAISED AND/OR SUPPORTED VEHICLE.

WARNING! – MAKE CERTAIN THERE IS AMPLE CLEARANCE AROUND CLEARANCE AROUND COMPONENTS SUCH AS BRAKE LINES, BRAKE PROPORTIUNING VALVES, FUEL LINES, HOSES AND PUMPS, AND ELECTRICAL COMPANENETS AND WIRES. IN SOME CASES IT MAY BE NECESSARY TO RELOCATE ITEMS THAT MAY BE ADVERSELY AFFECTED BY EXHAUST SYSTEM HEAT.

UNLESS OTHERWISE NOTED, THESE HEADERS ARE DESIGNED TO FIT THE VEHICLE AS IT CAME FROM THE MANUFACTURER. THIS INCLUDES COMPNENTS LIKE CYLINDER HEADS, CHASIS, STEERING, MOTOR MOUNTS, BODY MOUNTS AND BUSHINGS, ETC. IF YOUR CEHICLE IS USING AFTERMARKET COMPONENTS, PARTS FROM OTHER APPLICATIONS, OR CUSTOM ALTERED PARTS, THEN IT IS THE INSTALLER'S RESPONSIBILITY TO VERIFY FITMENT.

INSTALLATION PROCEDURES (**NOTE:** THESE PROCEDURES ARE DOCUMENTED ON FACOTRY STANDARD-EQUIPPED VEHICLES WITH ORIGINAL CONFIGURATION COMPLIANCE. **ANY** MODIFICATION OF THE SUBJECT VEHICLE MAY DICTATE MODIFICATION TO INSTALLATION PROCEDURES.)

Because of the nature of engine swaps, your engine position will greatly affect the way these headers fit and because of this, minor modifications and/or fabrication may be necessary to the header, vehicle or both.

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- 1) Using the supplied Header Gaskets and M8-1.25x25mm Hex Flange Head Bolts, loosely mount your headers to your motor.
- 2) Using the supplied 3" Band Clamps, loosely secure the supplied Notched Adapter Tubes to the header outlets.
- 3) Check clearances around the headers to all nearby components.
- 4) Torque header bolts to 20-25 ft. lbs.
- 5) From here you will need to fabricate your chosen exhaust system up to the adapter outlets.

Enjoy your new headers and thank you for your purchase!

RETURN POLICY

Returns to Doug Thorley Headers (DTH) will only be accepted from direct sell customers within 30 days of the original invoice date. All returns will require a Return Merchandise Authorization (RMA) number provided by Doug Thorley Headers. Customers are responsible for all shipping charges unless other arrangements with Doug Thorley Headers have been made. Doug Thorley Headers reserves the right to refuse any package returned to our facility without prior authorization. Returned products can be subject to a 20% restocking fee.

Doug Thorley Headers does suggest that when shipping an item back to us, carriers such as UPS and FEDEX, or any providers that offers a signature requirement and insurance coverage be used. Doug Thorley Headers is not responsible for any lost or damaged packages along with the customer will be responsible for all shipping charges and risk of loss during the return shipment.

Doug Thorley Headers does not accept a return of an item that is damaged, used/installed, or special ordered parts. If you receive an item that has been damaged, please inform Doug Thorley Headers within 72 hours of delivery in order for Doug Thorley Headers to begin a claim.

Please keep the original packaging and contents as FEDEX and UPS may require an inspection of the item. If this inspection is required then the carrier in which your item was handled through may contact you to set up a time and date. All claims to sub-component shortages or missing parts must be made within 10 days of delivery.

If any you have any questions about returning or missing an item, please contact us at **951-739-5900** or email at **info@doughthorleyheaders.com**

WARRANTY COVERAGE

Unless otherwise specified, Doug Thorley Headers header products are warranted against defective materials and workmanship for as long as the original consumer purchaser owns said header product. Doug Thorley Headers exhaust products defined as any component "downstream" of a Doug Thorley Header product or OE factory exhaust manifold, are warranted against defective material and workmanship for a period of five (5) years from the original consumer purchase date. These limited warranties are offered solely to the original purchaser and are non-transferable. Proof of purchase is required for all warranty claims.

These warranties shall be limited to the repair, adjustment, and/or replacement of defective parts at the discretion of Doug Thorley Headers. Authorized product return will be repaired or replaced at the discretion of Doug Thorley Headers. All warranties become void if any product shows evidence of any modification done without the express consent of Doug Thorley Headers and includes mishandling, bending, welding, mutilation of parts, and insulating wrap products. Doug Thorley Headers is not responsible for any other expenses involved in a warranty claim including any labor costs incurred by the customer in relation to defective parts and/or shipping cost to or from Doug Thorley Headers. Doug Thorley Headers is not responsible for any damages, whether consequential, special, contingent or otherwise, expenses or injury that may arise from the use of Doug Thorley Headers products.

The bluing and discoloration of chrome exhaust products is considered normal, as is the dulling of ceramic coated products, and as such, coating are not covered under the terms of the warranty. Environmental exposure and rust apparent during the extended life of products is also considered normal and excluded from the warranty. Any Doug Thorley Headers product that has been discontinued from new sales for a period of five (5) years or longer will no longer be eligible for replacement under the terms of warranty, the repair of any defective parts will be the only option. Any non-defective not-installed product may be returned for any reason within thirty (30) calendar days of receipt, and will be subject to a 20% restocking/repackaging fee.