



LEGALITY NOTES

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. These headers are intended for use on vehicles that are involved in closed course racing applications only. They will be referred to as “RACE USE ONLY” in any other location in this instruction sheet, or any marketing information.

The installation of exhaust headers onto any vehicle must be performed in accordance with all governmental regulations that 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.

THY-291Y-L

TRI-Y HEADER SYSTEM w/ X-PIPE

**2011-14 FORD MUSTANG
5.0L**

PARTS INCLUDED

Ref.	Part Number	Description	Qty
1)	00-901-02577	Driver Side Header Assembly	1
2)	00-901-02578	Passenger Side Header Assembly	1
3)	00-901-02579	Driver Side X-pipe Inlet Tube	1
4)	00-901-02580	Passenger Side X-pipe Inlet Tube	1
5)	00-901-02790	Main X-pipe Assembly	1
6)	07-38-47686	3" Band Clamp	2
7)	07-38-46470	2-1/2" Band Clamp	2

TOOLS REQUIRED

Ref.	Description	Ref.	Description
1)	3/8" Drive Ratchet and Extensions	4)	8mm, 10mm, 12mm, 14mm Wrenches
2)	7/8" Box wrench or O2 Sensor Socket	5)	WD40 or equivalent
3)	8mm, 10mm, 12mm, 14mm Sockets		

WARRANTY NOTES

- 1) The utmost care is taken at Doug Thorley Headers ("DTH") to maintain the highest standards of quality. However, DTH cannot control the installation of the product. For this reason the warranty covers only the replacement of the components, it does not cover labor for the installation.
- 2) The use of any type of "header wrapping" immediately 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 composition of the metal and the subsequent failure of the headers.
- 3) Any chrome plating applied to DTH header components is a high-nickel chrome finish applied to retard corrosion. This is a 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.
- 4) Retain all paperwork pertaining to the purchase of your DTH product. Save your receipt!
Your limited warranty is not valid without a receipt of purchase.

TECH SUPPORT: (951)739-5900

THY-291Y-L

TRI-Y HEADER SYSTEM w/ X-PIPE

**2011-14 FORD MUSTANG
5.0L**

INSTALLATION NOTES

- 1) It is important that you read the entire instruction sheet before beginning any installation.
- 2) 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 ensure that the distances and placement are reasonable and logical, especially with regard to electrical, fuel, and brake components.
- 3) Because of car-to-car variations, DTH strongly recommends that these headers be installed by an experienced installation shop that has welding and fabrication capabilities.

INSTALLATION PROCEDURE

- 1) Disconnect positive battery terminal.
- 2) Coat all hardware down with WD-40 or equivalent.
- 3) Remove all O2 sensors by first disconnecting them from the main harness, then remove from the pipes.
- 4) Remove the four bolts retaining the K member brace.
- 5) Loosen both clamps on the H-pipe and remove. This step may require you to remove the entire exhaust system.
- 6) Note the alignment on the steering shaft and remove the pinch bolt.
- 7) Remove the left (driver side) bolt securing the rack assembly to the K-member. Gently pry the rack towards the front of the vehicle enough to allow the shaft to separate from the rack.
- 8) Support the driver side of the transmission/engine with a floor jack and a piece of wood as far away as possible from the exhaust manifold, to provide the most clearance during the header installation.
- 9) Once the engine is properly supported, remove the four motor mount bolts and raise the engine up approximately 2". If you wish, you may also remove the entire mount for more clearance by removing the center bolt retaining the mount to the frame.
NOTE: Use extreme caution when lifting the engine.
- 10) Remove the driver side exhaust manifold and retain the gasket and nuts for reuse with the new header.

THY-291Y-L

TRI-Y HEADER SYSTEM w/ X-PIPE

**2011-14 FORD MUSTANG
5.0L**

INSTALLATION PROCEDURE

- 11)** Clean any carbon or residue from the cylinder head if necessary.
- 12)** Place header/gasket into position and start all nuts simultaneously. It may be necessary to remove the air box assembly to access top nuts.
- 13)** Tighten the nuts starting with the center and working outward. Torque all nuts to factory specification.
- 14)** Lower the engine back down, slip the steering shaft and the rack back into position and tighten the shaft bolt and the rack bolt to factory specifications. Reinstall the motor mounts and motor mount bolts, then tighten to factory specifications.
- 15)** Repeat Step #8-9 on the passenger side.
- 16)** Remove the three bolts retaining the starter, disconnect the wire loom and remove the starter and set aside.
- 17)** Remove the passenger side exhaust manifold and retain the gasket and nuts to be reused with the new header.
- 18)** Clean any carbon or residue off the cylinder head if necessary.
- 19)** Place header/gasket into position and start all nuts simultaneously. Tighten the nuts starting with the center and working outward. Torque all nuts to factory specification.
- 20)** Lower engine back into position, tighten the motor mount bolts and reinstall starter.
- 21)** Reinstall both O2 sensors into the headers and plug in all sensors.
- 22)** Slip clamps onto all x-pipe assemblies in their respective places and loosely fit passenger, driver side and main x-pipe sections in position and re-install the rest of the exhaust system, while taking into consideration the final position of the band clamps.
- 23)** Once satisfied with fitment, tighten all clamps evenly and securely.
- 24)** Check for any potential clearance issues, reconnect the battery, re-install air box start the vehicle and check for any exhaust leaks.