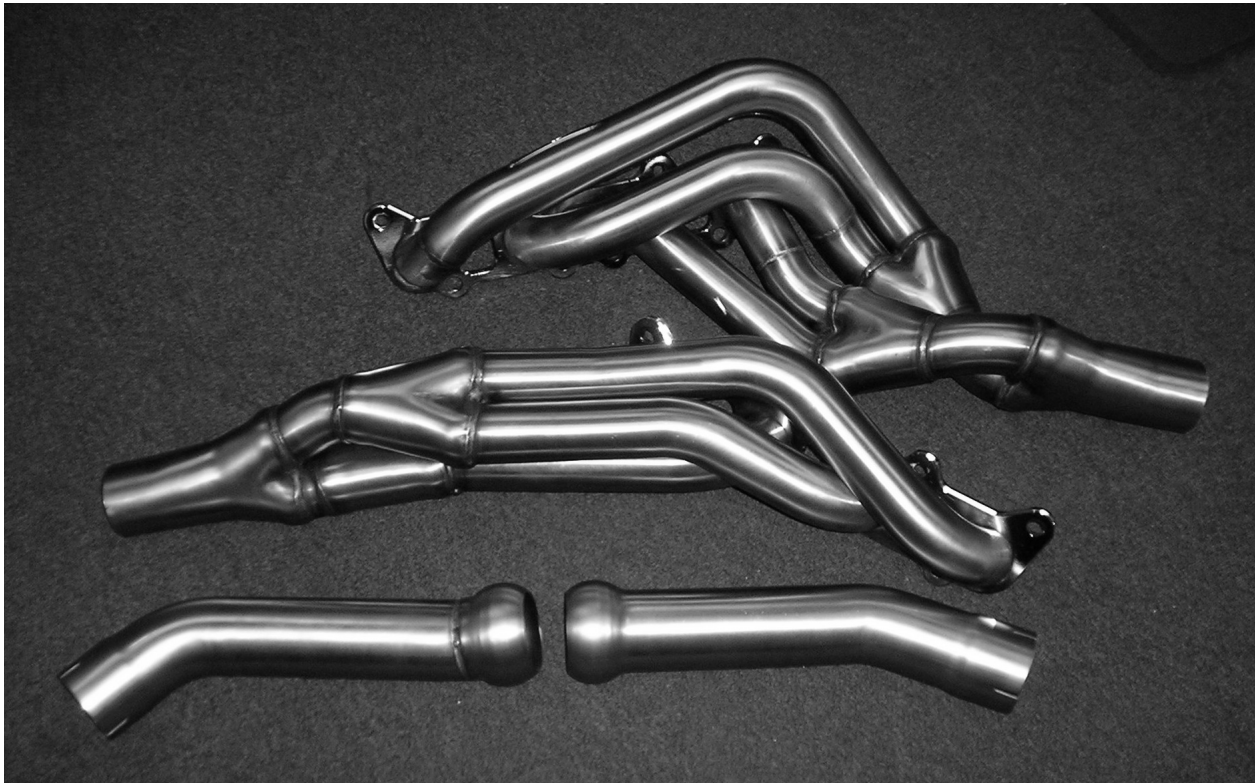


DOUG THORLEY HEADERS 1959

THY291Y-WRX

(RACE ONLY) TRI-Y HEADER SYSTEM

2011-12 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 Connector pipe	1
4)	00-901-02580	Passenger Connector pipe	1
5)	07-38-46470	2 1/2" Band Clamp	2

PERFORMANCE DELIVERED!

TECH: (951)371-1744

08-50-47559

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TOOLS REQUIRED

<u>Ref.</u>	<u>Description</u>	<u>Ref.</u>	<u>Description</u>
1)	3/8" Drive Ratchet, universals and Extensions	5)	10mm, 12mm, 13mm 14mm, 15mm Wrenches
2)	7/8" Box wrench or O2 Sensor Socket	6)	WD40 or equivalent
4)	12mm, 13mm, 14mm, 15mm, 18mm Sockets		

WARRANTY NOTES

- 1) The utmost care is taken at Thorley Headers to maintain the highest standards of quality. However, Thorley Headers cannot control the installation of the product. For this reason, the Thorley Headers warranty covers only the replacement of the components - not the labor for the installation.
- 2) 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.
- 3) The chrome plating applied to all Thorley headers is a high-nickel chrome finish applied to retard corrosion. This is a "heat" chrome to preserve the metal. This finish is not "show chrome" intended for the sake of appearance. This high-nickel chrome turns colors and approaches black as it cooks into the metal. The 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 Thorley product. Save your receipt!
Your limited warranty is not valid without a receipt of purchase.

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 Thorley Headers distributor if there are any questions regarding the legality of the installation. **These headers are not legal for sale or use on pollution controlled vehicles and are intended for RACE use only.**

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INSTALLATION NOTES

- 1) It is important that you read the entire instruction sheet before initiating 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 insure 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, Thorley Headers strongly recommends that these headers be installed by a competent exhaust shop that has welding and fabrication capabilities.

DISASSEMBLY / ASSEMBLY INSTRUCTIONS

- 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. Once the h-pipe is off, you will then need to cut the strap between the clamp and the pipe as you will be reusing them on the headers.
- 6) Note the alignment on the steering shaft and remove the pinch bolt.
- 7) Remove the two bolts 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 drivers side of the transmission/engine with a floor jack and a piece of wood from the engine as far away as possible to provide the most clearance during the header installation. Use caution.
- 9) Once the engine is properly supported, remove the four motor mount bolts and raise the engine up approximately 2". You may also remove the entire mount for more clearance if you wish by removing the center bolt retaining the mount to the frame.

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DISASSEMBLY / ASSEMBLY INSTRUCTIONS cont.

- 10) Remove the exhaust manifold and retain the gasket for reuse with the header.
- 11) Clean any carbon or residue from the cylinder head if necessary.
- 12) Work header into position. It may be necessary to remove some of the manifold studs in order to completely mate the header up to the head.
- 13) reinstall the studs. Start the nuts simultaneously and tighten starting with the center out.
- 14) Lower the engine back down, slip the steering shaft and the rack back into position and tighten the shaft bolt and the rack bolts to factory specifications. reinstall the motor mounts/ motor mount bolts and tighten to factory specifications.
- 15) Repeat step nine on the passenger side.
- 16) Once the engine is supported, remove the four bolts on the motor mount and raise the engine up approximately 2".
- 17) Remove the three bolts retaining the starter, disconnect the wire loom and remove the starter and set aside.
- 18) Remove the exhaust manifold and retain the gasket to be reused on the header.
- 19) Clean any carbon or residue off the head if necessary.
- 20) Place header/gasket into position and start all nuts simultaneously.
- 21) Tighten nuts starting with the center out.
- 22) Lower engine back into position and tighten the motor mount bolts and reinstall starter.
- 23) Reinstall both o2 sensors into the headers and plug in all sensors.
- 24) Place both supplied connector pipes into position and once satisfied with fitment, tighten the clamps. Place the factory clamps in the best positioning for maximum clamping force.
- 25) Check for any potential clearance issues, reconnect the battery, start the vehicle and check for leaks.