

DOUG THORLEY HEADERS



THY-123Y-L-C

(RACING ONLY) TRI-Y HEADER SYSTEM

DODGE CHALLENGER SRT-8, 6.1L
2008-09



PARTS INCLUDED

Ref.	Part Number	Description	Qty
1)	00-901-01474	Driver Side Header Assembly	1
2)	00-901-01476	Passenger Side Header Assembly	1
3)	00-901-01475	Driver Side Headpipe Assembly	1
4)	00-901-01477	Passenger Side Headpipe Assembly	1
5)	07-31-45334	Head Flange Gasket	2
6)	01-5308125025-27	Cap Screw, Hex Flange, M8-1.25X25mm, Zinc	16
7)	01-5310125055-27	Cap Screw, Hex Flange, M10-1.25X55mm, Zinc	4
8)	01-7110125	Nut, Hex Flange, M10-1.25, Zinc	4

PERFORMANCE DELIVERED!

TECH: (951)739-5900

08-50-45254 REV. A

THY-123Y-L-C

(RACING ONLY) TRI-Y HEADER SYSTEM

DODGE CHALLENGER SRT-8, 6.1L 2008-09

TOOLS REQUIRED

Ref.	Description	Ref.	Description
1)	3/8" Drive Ratchet and Extensions	5)	8mm, 10mm, 12mm, 14mm Wrenches
2)	7/8" Box wrench or O2 Sensor Socket	6)	WD40 or Equivlant
3)	9/16" Box Wrench and Socket		
4)	8mm, 10mm, 12mm, 14mm 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 Racing use only.**

The installation of these headers will cause your vehicle to throw a "Check Engine" light. You can have this corrected by purchasing a Programmer or O2 simulator. Call for more info.

THY-123Y-L-C

(RACING ONLY) TRI-Y HEADER SYSTEM

**DODGE CHALLENGER SRT-8, 6.1L
2008-09**

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 INSTRUCTIONS

- 1) Disconnect battery located in trunk. Be sure not to close the trunk to the point of latching anytime during the install.
- 2) Carefully remove engine covers by gently pulling up and away from the engine.
- 3) Coat everything down with WD-40 or equivalent, including the O2 sensor.
- 4) Remove the two 10mm bolts retaining the engine coolant reservoir located on driver side and place it aside.
- 5) Remove air filter portion of air box located on driver side.
- 6) Remove the plastic skid plate from beneath the car.
- 7) Remove the starter heat shield and set aside.
- 8) Remove driver side tail pipe section from the mid muffler back.
- 9) Loosen the two clamps between the head pipe and the mid muffler.
- 10) Unbolt both knock sensors located underneath each exhaust manifold.
- 11) On passenger side, remove the dipstick then remove the dipstick tube and set aside.

THY-123Y-L-C

(RACING ONLY) TRI-Y HEADER SYSTEM

**DODGE CHALLENGER SRT-8, 6.1L
2008-09**

DISASSEMBLY INSTRUCTIONS

- 12) Detach the O2 harness from main harnesses and remove the O2 sensors from the exhaust components. Be sure to mark each sensor for future reference.
- 13) Remove both head pipes.
- 14) You may now proceed to remove both exhaust manifolds.
- 15) Once manifolds are removed, clean cylinder head surface with a scotch brite pad or equivalent.

INSTALLATION NOTES

- 1) Chase all cylinder head exhaust bolt holes with a tap (M8x1.25).
- 2) Coat all new header bolts with anti-seize.
- 3) Transfer the O2 sensors over to new headers in their corresponding locations.
- 4) Both headers will install from the bottom of the car. Take extra precautions like a good grade of masking tape so you do not scratch the finish.
- 5) Start all the supplied M8-1.25x25mm header bolts but do not tighten at this time.
- 6) From underneath, attach new head pipes to the header and loosely bolt together. Then slide the rear portion of the headpipes into the stock exhaust system.
- 7) Once satisfied with the header and head pipe fitment, torque everything down as a unit. Start with the headers, tighten the center bolts first then work your way out.
- 8) Connect the O2 sensors back into the corresponding harness.
- 9) Reinstall driver side tail pipe section and torque to spec.
- 10) Reinstall the dipstick and tube.
- 11) Reconnect the knock sensors.
- 12) Reinstall the starter heat shield.

THY-123Y-L-C

(RACING ONLY) TRI-Y HEADER SYSTEM

**DODGE CHALLENGER SRT-8, 6.1L
2008-09**

INSTALLATION NOTES

- 13) Reinstall the plastic skid plate.
- 14) Reinstall air box and engine coolant reservoir.
- 15) Reconnect battery.
- 16) Inspect area around headers for clearance issues between components/wires/hoses.
- 17) Start engine and check for leaks. Re-torque all hardware after approximately 20 minutes of operation.