



## PARTS INCLUDED

Ref.	Part Number	Description	Qty
1)	00-901-01795	Driver Side Header Assembly	1
2)	00-901-01796	Passenger Side Header Assembly	1
3)	01-5308125025-27	Cap Screw, Hex Flange, M8-1.25X25mm, Zinc	12

THY-336-C

SHORTIE HEADER SYSTEM

CHEVY CAMARO SS, 6.2L LS3, 2010

## 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. **The Executive Order ("E.O.") number for this part number is "PENDING".**

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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 INSTRUCTIONS**

- 1) Disconnect battery terminals located in the trunk. Do not shut trunk if equipped with keyless entry.
- 2) Carefully remove engine cover by gently pulling up and away from the engine.
- 3) Coat everything down with WD-40 or equivalent including the O2 sensors.
- 4) Carefully remove spark plug wires and spark plugs.
- 5) From underneath, remove 4 nuts (15mm) behind the catalytic converter on both sides.
- 6) Remove all manifold bolts at head.
- 7) Detach the O2 harness from main harness.
- 8) Unbolt and remove oil dip stick and tube.
- 9) Remove the exhaust manifolds/catalytic assemblies from bottom. Retain all gaskets as they will be reused.
- 10) Separate manifolds from catalytic converters. Note: Be careful not to damage the factory crush gaskets as they will be reused with the new header.

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## **INSTALLATION NOTES**

- 1) Clean all traces of carbon deposits from the cylinder head exhaust port surfaces.
- 2) Because of the use of loc-tite on the factory hardware, it is advisable that you chase the threads on the cylinder head to reduce the risk galling or stripping the bolt holes.
- 3) Attach both catalytic converters to the new headers using the factory gaskets and hardware.
- 4) With the factory manifold gasket in place, install the Driver side header/ cat. assembly from the top. Using the supplied M8-1.25x25mm bolts loosely attach the header to the cylinder head.  
(Note: It maybe necessary to mark and disconnect the steering shaft at the rack)
- 5) With the factory manifold gasket in place, install the Passenger side header/ cat. assembly from the bottom. Using the supplied M8-1.25x25mm bolts loosely attach the header to the cylinder head. Install the dipstick tube simultaneously with the header.
- 6) Lubricate o-ring on engine oil dip stick and carefully re-install back into its original location. Mount the bracket to the motor using the original bolt.
- 7) Reinstall the headpipes to the catalytic converters using the factory clamp leaving the connection loose at this time.
- 8) Starting with the center out, torque all header bolts to factory specifications.
- 9) Tighten the four nuts at header collectors evenly to the factory specifications.
- 10) Tighten the cat. pipes to the headpipes evenly to the factory specifications.
- 11) It will be necessary to reroute and zip tie wiring out of the way to avoid melting. (Note: it maybe necessary to push the heat shield out of the way on the passenger side.)
- 12) Reconnect the O2 sensors to the harness.
- 13) Reconnect the steering shaft in the marked position if it was disconnected during installation.
- 14) Reconnect battery.

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## **INSTALLATION NOTES**

- 15) Again, inspect area around headers for clearance issues between components, wires, and hoses.
- 16) Reinstall the engine cover.
- 17) Start engine and check for leaks. Re-torque all hardware after approximately 20 minutes of operation.