



## PARTS INCLUDED

Ref.	Part Number	Description	Qty
1)	00-901-01356	Shortie Header Assembly	1
2)	01-5308125025-27	Cap Screw, Hex Flange, M8-1.25X25mm, Zinc	5

THY-520-C

SHORTIE HEADER SYSTEM

TOYOTA YARIS, 1.5L  
2007-08

## 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. **At this time, the C.A.R.B. E.O. # 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.
- 2) Carefully remove engine cover by removing the four nuts (10mm).
- 3) Coat everything down with wd-40 or equivalent including the O2 sensor.
- 4) Remove the four manifold heat shields bolts (10mm).
- 5) Disconnect the O2 harness from main harness.
- 6) From underneath, remove the two spring bolts and manifold brace bolt (retain spring bolts and brace bolt). (14mm).
- 7) Remove all of the nuts and bolts from the exhaust manifold.
- 8) Remove exhaust manifold from the top.
- 9) Retain all factory gaskets as they will be reused.
- 10) Carefully remove the O2 sensor from the exhaust manifold.
- 11) Once the manifold is removed, you may now remove the two end studs on the cylinder head.

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## **INSTALLATION NOTES**

- 1) Slip the factory "donut" gasket on your new DTH header.
- 2) Install the O2 sensor into the new header.
- 3) Install the new header from the top of the car.
- 4) Using the supplied M8-1.25X25mm bolts, start all bolts leaving them loose at this time.  
(NOTE): You will be replacing the two end manifold studs with the supplied bolts also.
- 5) From underneath, start the spring bolts and brace bolt leaving hand tight.
- 6) Tighten everything up as a unit, making sure nothing is binding.
- 7) Once satisfied with the header fitment, torque header down starting with the center bolt then work your way out, use the factory torque specifications.
- 8) Connect the o2 sensor to harness
- 9) Inspect area around headers for clearance issues between components/wires/hoses.
- 10) Reconnect battery and check for any possible clearance issues between components and the headers. Re-torque all hardware after approximately 20 minutes of operation.