

2016-20 TOYOTA TACOMA, 3.5L
(OFF-ROAD "RACE" USE ONLY)



LEGALITY NOTES

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.

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.

THY-519-DS-C

OFF ROAD DOWNPIPES

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PARTS INCLUDED

Ref.	Description	Qty
1)	Driver Side Downpipe Assembly	1
2)	Passenger Side Downpipe Assembly	1
3)	M10- 1.25 X 35MM Flange Bolts	4
4)	M10- 1.25 X Flange Nuts	4

TOOLS REQUIRED

Ref.	Description	Ref.	Description
1)	3/8" Drive Ratchet and Extensions	5)	WD-40
2)	7/8" Box wrench or O2 Sensor Socket		
3)	8mm, 10mm, 12mm, 14mm Sockets		
4)	8mm, 10mm, 12mm, 14mm Wrenches		

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) 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.

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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.

WARNING! Do not rely on bumper jacks or chassis jacks for support during header installation. The subject vehicle should be raised and supported with jacking equipment and jackstands or ramps intended for undercarriage auto maintenance. It is extremely dangerous to work under an improperly raised and/or supported vehicle.

WARNING! Make certain there is ample clearance around components such as brake lines, brake proportioning valves, fuel lines, hoses and pumps, and electrical components and wires. In some cases it may be necessary to relocate items that may be adversely affected by exhaust system heat.

NOTE: These procedures are documented on factory standard-equipped vehicles with original configuration compliance. Any modification of the subject vehicle may dictate modification to these procedures.

INSTALLATION PROCEDURE

OE MANIFOLD REMOVAL

- 1) Disconnect both battery terminals.
- 2) Coat all hardware down with WD40 or equivalent.
- 3) Disconnect the oxygen sensor wiring from the vehicles wiring harness at the connector, and remove the wiring from any retention clips that may be present. Remove the oxygen sensor.
NOTE: Failure to disconnect the oxygen sensor wiring so that it is free to rotate with the oxygen sensor can seriously damage the oxygen sensor.

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INSTALLATION PROCEDURE

- 4) Remove the four bolts connecting the downpipes to the exhaust system.
- 5) Remove the two bolts connecting the downpipes to the support brackets attached to the transmission.
- 6) Remove the four bolts attaching the support brackets to the transmission. You must reuse these support brackets with your new downpipes to prevent fatigue and possible breakage of the new downpipes.
- 7) Remove the 8 bolts attaching the factory downpipes to the cylinder heads.
- 8) Clean the surface of the cylinder heads.
- 9) Work both downpipes in from the bottom.
- 10) Start all hardware but leave loose at this time.
- 11) Reinstall both support brackets and leave all the hardware loose.
- 12) Starting at the bottom, begin to tighten all the hardware.
- 13) Tighten the 8 bolts joining the downpipes to the cylinder heads.
- 14) Reinstall the o2 sensors.
- 15) Reconnect the battery.
- 16) Check for clearances around the downpipes and start engine and check for leaks.
- 17) Retighten all hardware after approximately 20 minutes of run time.