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A DIVISION OF SUMMIT INDUSTRIES, INC.

**85900 CATBACK EXHAUST SYSTEM**

**1996 – 2002 TOYOTA 4RUNNER 3.4L**

#### **WARRANTY NOTES**

*The utmost care is taken at Doug Thorley Headers to maintain the highest standards of quality. However, Doug Thorley Headers cannot control the installation of the product. For this reason, the Doug Thorley Headers warranty covers only the replacement of the components, not the labor for the installation.*

- 1. 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.*
- 2. Retain all paperwork pertaining to the purchase of your Doug Thorley Headers product. Save your receipt, your limited life time warranty is not valid without the original proof of purchase.*

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For Tech Support call 951-739-5900

# 89500 CATBACK EXHAUST SYSTEM

## PARTS INCLUDED

- Drivers Side Head pipe / Muffler Assembly (1)
- Tailpipe Section A Assembly (1)
- Tailpipe Section B Assembly (1)
- O2 Sensor Gasket (1)
- 2 1/2 " Crush Gasket (1)
- 8mm x 1.25 Double Ended Studs (2)
- 8mm x 1.25 Flange Head Nuts (2)
- M10-1.25 X 30mm Flange Head Bolts (2)
- M10-1.25 Flange Head Nuts (2)
- 2 1/2" U Shaped Muffler Clamp (1)
- 2 1/2" Band Clamp (2)

## TOOLS REQUIRED

- 3/8" Drive Ratchet
- Assorted Extensions
- 12mm Socket
- 10mm Socket
- 14mm Wrench
- 14mm Socket
- 15mm Socket
- 15mm Wrench
- WD40 or Equivalent
- Hack Saw or Sawzall

## INSTALLATION NOTES

1. It is important that you read the entire instruction sheet before initiating any installation.
2. Gather all appropriate tools and secure a clean work space.
3. Do not cut or modify parts unless instructed to do so.
4. Always disconnect the battery when working on your vehicle to avoid any potential problems.
5. Your vehicle should be raised to ease installation. A hoist is ideal, however, installation can be accomplished using a floor jack and jack stands. CAUTION: Never work on a vehicle that is supported by a bumper jack only.

## INSTALLATION PROCEDURE NOTES

**WARNING!** – DO NOT RELY ON BUMPER JACKS OR CHASSIS JACKS FOR SUPPORT DURNING HEADER INSTALLATION. THE VEHICLE SHOULD BE RAISED AND SUPPORTED WITH JACKING EQUIPMENT AND JACKSTANDS OR RAMPS INTENEDED FOR UNDERCARRIAGE AUTO MAINTENANCE. IT IS EXTREMELY DANGEROUS TO WORK UNDER ANY IMPROPERLY RAISED AND/OR SUPPORTED VEHICLE.

**WARNING!** – MAKE CERTAIN THERE IS AMPLE CLEARANCE AROUND CLEARANCE AROUND COMPONENTS SUCH AS BRAKE LINES, BRAKE PROPORTIUONING VALVES, FUEL LINES, HOSES AND PUMPS, AND ELECTRICAL COMPANENETS AND WIRES. IN SOME CASES IT MAY BE NECESSARY TO RELOCATE ITEMS THAT MAY BE ADVERSELY AFFECTED BY EXHAUST SYSTEM HEAT.

INSTALLATION PROCEDURES (**NOTE:** THESE PROCEDURES ARE DOCUMENTED ON FACOTRY STANDARD-EQUIPPED VEHICLES WITH ORIGINAL CONFIGURATION COMPLIANCE. **ANY** MODIFICATION OF THE SUBJECT VEHICLE MAY DICTATE MODIFICATION TO INSTALLATION PROCEEDURES.)

## REMOVAL/ASSEMBLY

1. Starting at the front of the exhaust, spray WD40 on the rubber hanger isolators and all hardware to allow easy removal.
2. Unbolt and remove the rear section of the tail pipe (cutting this section may be necessary).
3. Unbolt O2 sensor and set aside. There is no need to unplug the sensor from the harness.
4. Unbolt and remove the front section of the factory exhaust system.
5. Recoat rubber isolators with WD40.
6. Place the head pipe / muffler assembly into position and slip all hangers into the isolators.
7. Using the supplied 2 1/2" crush gasket and new hardware, begin to tighten the flange. Make sure that the gasket remains inside of the machined area of both the factory and new flanges. Torque to factory specs.
8. Using the supplied O2 sensor gasket and hardware, install the sensor to the head pip / muffler assembly. Torque to factory specs.
9. Fit tail pipe section "A" into the rear stub of the muffler. Slip the hangers into the isolators. Attach the 2 1/2" **U shaped muffler clamp** to the muffler, but leave loose at this time.
10. Slip the 2 1/2" **band clamp** over tail pipe section "B". Be sure to orientate the clamp so you will have easy access to the nut and also for the best possible clearance between the clamp and the crossmember .
11. Slip tail pipe "B" into tail pipe "A". Work the hanger into the rear isolator.
12. Position both tail pipe sections into the best position for both clearance and appearance.
13. Tighten the **U shaped muffler clamp** at the rear of the muffler.

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14. Tighten the **band clamp** at the two tail pipe sections.
15. Reconnect the battery and start the vehicle, checking for any exhaust leaks or rattles – adjust system as necessary. After several day of driving time, recheck all bolts tightness.

Enjoy your new Catback Exhaust and thank you for your purchase!

### RETURN POLICY

Returns to Doug Thorley Headers (DTH) will only be accepted from direct sell customers within 30 days of the original invoice date. All returns will require a Return Merchandise Authorization (RMA) number provided by Doug Thorley Headers. Customers are responsible for all shipping charges unless other arrangements with Doug Thorley Headers have been made. Doug Thorley Headers reserves the right to refuse any package returned to our facility without prior authorization. Returned products can be subject to a 20% restocking fee.

Doug Thorley Headers does suggest that when shipping an item back to us, carriers such as UPS and FEDEX, or any providers that offers a signature requirement and insurance coverage be used. Doug Thorley Headers is not responsible for any lost or damaged packages along with the customer will be responsible for all shipping charges and risk of loss during the return shipment.

Doug Thorley Headers does not accept a return of an item that is damaged, used/installed, or special ordered parts. If you receive an item that has been damaged, please inform Doug Thorley Headers within 72 hours of delivery in order for Doug Thorley Headers to begin a claim.

Please keep the original packaging and contents as FEDEX and UPS may require an inspection of the item. If this inspection is required then the carrier in which your item was handled through may contact you to set up a time and date. All claims to sub-component shortages or missing parts must be made within 10 days of delivery. If any you have any questions about returning or missing an item, please contact us at **951-739-5900** or email at [info@doughthorleyheaders.com](mailto:info@doughthorleyheaders.com)

### WARRANTY COVERAGE

Unless otherwise specified, Doug Thorley Headers header products are warranted against defective materials and workmanship for as long as the original consumer purchaser owns said header product. Doug Thorley Headers exhaust products defined as any component “downstream” of a Doug Thorley Header product or OE factory exhaust manifold, are warranted against defective material and workmanship for a period of five (5) years from the original consumer purchase date. These limited warranties are offered solely to the original purchaser and are non-transferable. Proof of purchase is required for all warranty claims.

These warranties shall be limited to the repair, adjustment, and/or replacement of defective parts at the discretion of Doug Thorley Headers. Authorized product return will be repaired or replaced at the discretion of Doug Thorley Headers. All warranties become void if any product shows evidence of any modification done without the express consent of Doug Thorley Headers and includes mishandling, bending, welding, mutilation of parts, and insulating wrap products. Doug Thorley Headers is not responsible for any other expenses involved in a warranty claim including any labor costs incurred by the customer in relation to defective parts and/ or shipping cost to or from Doug Thorley Headers. Doug Thorley Headers is not responsible for any damages, whether consequential, special, contingent or otherwise, expenses or injury that may arise from the use of Doug Thorley Headers products.

The bluing and discoloration of chrome exhaust products is considered normal, as it the dulling of ceramic coated products, and as such, coating are not covered under the terms of the warranty. Environmental exposure and rust apparent during the extended life of products is also considered normal and excluded from the warranty. Any Doug Thorley Headers product that has been discontinued form new sales for a period of five (5) years or longer will no longer be eligible for replacement under the terms of warranty, the repair of any defective parts will be the only option. Any non-defective not-installed product may be returned for any reason within thirty (30) calendar days of receipt, and will be subject to a 20% restocking/repackaging fee.