

DRIVEN DIESEL PERFORMANCE  
94-03 7.3L T-STAT HOUSING RING KIT



\*DD-73L-TSHR\*



**T-STAT HOUSING REINFORCEMENT RING**  
Fits 94-03 7.3L Powerstroke Diesel



# Installation Guide



**INSPECT CONTENTS OF THIS KIT  
THOROUGHLY **BEFORE** STARTING  
THE INSTALLATION PROCESS!**

**IF YOU FIND A PROBLEM WITH YOUR PACKAGE:**

- **KEEP ALL OF THE PARTS & PACKAGING TOGETHER**
- **DO **NOT** ATTEMPT INSTALLATION OF THE PRODUCT**
- **PROMPTLY NOTIFY YOUR **SELLING DEALER****
- **PROVIDE DEALER WITH PHOTOGRAPHS IF REQ'D\***
- **WAIT FOR FURTHER INSTRUCTIONS FROM DEALER**

**\*WE RESERVE THE RIGHT TO REQUEST  
PHOTOGRAPHS OF PACKAGING OR PARTS  
IN ORDER TO PROPERLY ADDRESS ANY  
SITUATION INVOLVING EITHER DAMAGED  
OR MISSING ITEMS.**

**THANK YOU FOR YOUR COOPERATION!**

**T**hank You for purchasing the Driven Diesel 1994-2003 7.3L Ford Powerstroke **T-STAT HOUSING REINFORCEMENT RING!** **Please read and familiarize yourself with this manual fully before proceeding with the installation of the kit.** Also, always work safely. Make sure that there is plenty of light and adequate ventilation, and allow yourself several hours to complete the installation. After reading these instructions, if you feel that the installation is beyond your capability, please have this kit installed by a qualified mechanic.

## **T-STAT HOUSING RING KIT PARTS IDENTIFICATION**

| <b><u>Qty:</u></b> | <b><u>Part Number:</u></b> | <b><u>Description:</u></b>                              |
|--------------------|----------------------------|---|
| 1                  | T-Stat Ring                | Stainless Steel Thermostat Housing Reinforcement Ring   |
| 1                  | O-Ring                     | Thermostat Housing O-Ring (optional – see instructions) |
| 3                  | Bolts                      | M6-1.0x25 Flange Head Bolts                             |
| 1                  | Instructions               | Full Color Instruction Manual                           |

## **Installation Procedure**

1. Drain the radiator into a suitable container (make sure it is clean if planning to reuse the same coolant). On these older trucks, we often find it easier to pull the lower radiator hose (a bit more messy) than to fight with the drain petcock (which frequently likes to strip or break from age). You will need roughly 6-8 gallons of container capacity, using a few smaller containers will make it easier to pour back in later.
2. Remove the upper radiator hose from the thermostat housing.
3. Remove the existing thermostat housing, thermostat and o-ring (if applicable, some t-stats have an integral seal instead of a separate o-ring).
4. Thoroughly clean and inspect all sealing surfaces of the water pump and thermostat housing. You may reuse the housing even if the mounting flange is not perfectly straight, as the T-Stat Housing Reinforcement Ring will straighten it.

**IMPORTANT NOTES : Replacement of either the water pump or the thermostat housing is highly recommended if excessive pitting or corrosion are present.**

**Also, while it is generally preferable to use a new thermostat and when performing this installation, it is not required. Just keep in mind that sometimes old seals don't always "re-seal", so units with the integral seal should be inspected carefully before attempting reuse.**

## **REFER TO THE INCLUDED PHOTOS AS A GUIDE DURING INSTALLATION**

5. Install the thermostat into the water pump.

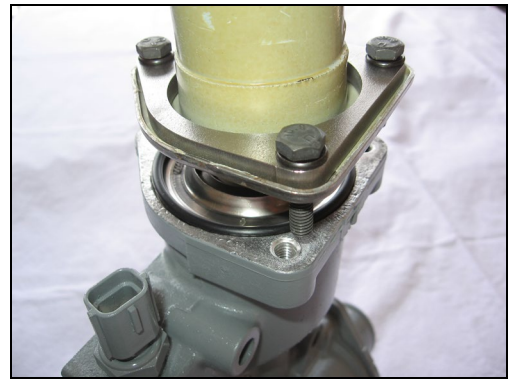
NOTE : If your t-stat has the integral seal, do not use the included o-ring. Don't discard the new o-ring, as you may need it later if your integral seal doesn't re-seal. Skip to step 7.

6. Coat the provided o-ring with clean engine coolant and install on top of the thermostat.
7. Install the housing ring onto the thermostat housing.
8. Apply a light coat of anti-seize compound to the threads of the included bolts.
9. Install the bolts into the three holes of the t-stat housing ring and the t-stat housing.
10. Install the t-stat housing onto the water pump and tighten the bolts finger tight.
11. The bolts will be torqued in three steps to ensure even tightening. These torque settings are in **INCH POUNDS...NOT** ft/lbs!!! Make sure you are using an **INCH POUND** torque wrench, as overtightening these bolts will either break the bolt or strip the aluminum threads in the water pump...neither of which is covered by the product warranty!
  - a. Tighten each of the bolts to **25 IN/LBS.**
  - b. Tighten each of the bolts to **75 IN/LBS.**
  - c. Finally, tighten each of the bolts to **150 IN/LBS.** (equal to 12.5 ft/lbs)
12. Reconnect the upper radiator hose to the thermostat housing and refill the radiator. You may need to run the engine long enough to get the thermostat to open in order to get the cooling system purged of air and properly filled.

Congratulations on completing the installation of the Driven Diesel T-Stat Housing Reinforcement Ring Kit.



T-Stat and New O-Ring in Place



Installing T-Stat Housing and Ring



T-Stat Housing and Ring Fully Installed

**S DIESEL, LLC (dba STRICTLY DIESEL AND/OR DRIVEN DIESEL\*) WARRANTY AND LIABILITY POLICY**

**MANY OF THE PRODUCTS SOLD BY S DIESEL, LLC, ARE DESIGNED TO INCREASE VEHICLE PERFORMANCE...USE AT YOUR OWN RISK!**

**Do not install or use any product(s) purchased from S DIESEL, LLC ("S DIESEL") until you have carefully read the following Warranty and Liability Policy (the "Warranty").**

**PRODUCT WARRANTY POLICY**

Subject to the limitations, exclusions, and qualifications set forth below, the product or the products made and sold by S DIESEL (the "S Diesel Product" or "S Diesel Products") are warranted to Buyer as set forth in this Warranty. The installation of the S Diesel Products indicates that Buyer has read, understands and agrees to the terms and conditions of this Warranty. Any warranty on products that are made by another manufacturer which are resold by S DIESEL to Buyer is made to Buyer by the manufacturer of such products in accordance with and subject to all conditions and limitations of the manufacturer's warranty in effect on the date of the purchase by Buyer. S DIESEL makes no warranties to Buyer, express or implied, with respect to such products that are made by another manufacturer.

**LIMITED WARRANTY**

The S Diesel Products (except S Diesel Products specified to have different warranty terms) are warranted to be free from defects in material and workmanship, under normal use and service for a period (the "Product Warranty Period") of one (1) year from date of delivery to Buyer, unless S DIESEL performs the work installing the S Diesel Products, in which case the Product Warranty Period shall be extended to equal the Service Warranty Period (as defined below under "SERVICE WARRANTY POLICY"). S DIESEL's liability under this Warranty is limited to repair or replacement at its option, subject to the provisions set forth herein, of any S Diesel Products which upon examination S DIESEL are found to be defective. Buyer shall prepay cost of transportation of defective S Diesel Products to S DIESEL for inspection.

S DIESEL shall not have any responsibility under this Warranty unless (1) the defect in an S Diesel Product results in a claim arising within the Product Warranty Period, measured from the date of delivery to Buyer, (2) the S Diesel Product, if installed by an installer other than S DIESEL, was properly installed, (3) the S Diesel Product was normally maintained and not subject to misuse, negligence or accident, and (4) the S Diesel Product, system components and/or accessories were not repaired or altered in such a way that in the judgment of S DIESEL the S Diesel Product's performance or reliability was adversely affected.

**EXCLUSIONS**

Any of the above warranties by S DIESEL shall not apply if Buyer's vehicle is in an accident, misused, neglected, altered from the S Diesel Product's manufacturer original designs or specifications or serviced in connection with a warranty claim hereunder without prior written approval of S DIESEL.

**REMEDIES EXCLUSIVE**

Repair or replacement of defective S Diesel Products in accordance with the Limited Warranty above shall be Buyer's exclusive remedy for and shall constitute satisfaction of any and all liabilities of S DIESEL with respect to any defect in any S Diesel Product whether based in warranty, contract, tort, negligence, strict liability or otherwise.

**DISCLAIMERS AND LIMITATIONS**

**THE EXPRESS WARRANTIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, CONDITIONS AND TERMS AS TO QUALITY OR FITNESS OF ALL PRODUCTS SUPPLIED BY S DIESEL TO BUYER, WHETHER WRITTEN, ORAL OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ALL SUCH OTHER WARRANTIES, CONDITIONS AND TERMS ARE HEREBY DISCLAIMED AND EXCLUDED BY S DIESEL. IN NO EVENT SHALL S DIESEL BE LIABLE FOR ANY LOSS OF ACTUAL OR ANTICIPATED PROFITS, LOSS OF ANTICIPATED BUSINESS, COST OF SUBSTITUTE PRODUCTS, LOSS OF USE OR DOWNTIME COSTS OR DELAY CLAIMS (WHETHER DIRECT OR INDIRECT) NOR FOR ANY OTHER SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS WARRANTY OR THE SUPPLY OF S DIESEL PRODUCTS TO BUYER, WHETHER BASED IN WARRANTY, CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE. BUYER ACKNOWLEDGES THAT (A) THE PRODUCTS PURCHASED FROM S DIESEL WILL BE USED IN CONNECTION WITH ACTIVITIES, UNDER EXTREME CONDITIONS AND/OR SUBJECT TO MODIFICATIONS REQUESTED BY BUYER FOR WHICH THE PRODUCTS MAY OR MAY NOT BE SUITABLE; (B) THE WARRANTY OF SUCH PRODUCTS FOR PERFORMANCE IN CONNECTION WITH SUCH ACTIVITIES, UNDER SUCH EXTREME CONDITIONS AND/OR SUBJECT TO SUCH MODIFICATIONS REQUESTED BY BUYER IS NOT POSSIBLE; AND (C) ANY MANUFACTURER'S WARRANTY MAY BE VOIDED BY USE OF THE PRODUCTS IN CONNECTION WITH SUCH ACTIVITIES, UNDER SUCH EXTREME CONDITIONS AND/OR SUBJECT TO SUCH MODIFICATIONS REQUESTED BY BUYER. BUYER ACKNOWLEDGES THAT THE INSTALLATION OF ANY S DIESEL PRODUCTS THAT ARE NOT LEGAL FOR USE ON POLLUTION CONTROLLED MOTOR VEHICLES IS DONE SOLELY AT THE REQUEST OF BUYER AND ALL RESPONSIBILITY FOR ANY EFFECTS ON THE ORIGINAL VEHICLE MANUFACTURERS WARRANTY, ABILITY TO PASS ANY EMISSIONS INSPECTIONS OR FOR ANY FINES THAT MAY OCCUR DUE TO THE REMOVAL OF FEDERALLY MANDATED EMISSION CONTROL EQUIPMENT IS ON BUYER.** No employee or representative of S Diesel has the authority to make any representation, promise or agreement which in any way varies from the terms and conditions of this Warranty. No suit or claim based on any cause of action, regardless of form, arising out of or relating to this Warranty or any of the S Diesel Products supplied by S DIESEL may be brought by Buyer or anyone claiming by, through or under Buyer against S DIESEL more than one year after the date that such cause of action arose.

**IN THE EVENT BUYER DOES NOT AGREE WITH THE TERMS AND CONDITIONS OF THIS WARRANTY, BUYER MAY PROMPTLY RETURN THE PRODUCT TO S DIESEL FOR A FULL REFUND. THE PRODUCT MUST BE IN NEW, UNUSED AND RESELLABLE CONDITION, BE RECEIVED WITHIN FIFTEEN (15) DAYS OF THE ORIGINAL PURCHASE AND BE ACCOMPANIED BY A DATED PROOF OF PURCHASE (RECEIPT). PRODUCTS RETURNED IN NEW, UNUSED AND RESELLABLE CONDITION MAY STILL BE SUBJECT TO RESTOCKING/REPACKAGING FEES.**

**THE INSTALLATION OR USE OF ANY PRODUCT PURCHASED FROM S DIESEL INDICATES THAT BUYER HAS READ, UNDERSTANDS AND AGREES TO THE TERMS AND CONDITIONS OF THIS WARRANTY.**

**ASSIGNABILITY OF WARRANTY**

This Warranty is for the exclusive benefit of Buyer and is not assignable.

**WARRANTY CLAIMS PROCEDURE**

Warranty claim forms can be printed from the company websites (<http://www.drivendiesel.com> (Products) and <http://www.strictlydiesel.com> (Services)). A properly completed warranty claim form and a copy of the invoice for any defective Product or Service must be received by the Seller within the earlier of 30 days after the expiration of the Warranty Period or the incident giving rise to the claim. To qualify for an adjustment under this Warranty a defective Product must be returned prepaid to the Seller for inspection and must be accompanied by a dated proof of purchase receipt. In addition, the serial number of the defective Product, if any, must match the serial number on Buyer's invoice. All Warranty claims are subject to approval by the Seller and/or the Product's manufacturer. Buyer must pay all applicable service charges and taxes. Defective Products accepted for warranty compensation become the property of the Seller. To qualify for an adjustment under this Warranty a vehicle upon which S Diesel Services have been performed must be delivered to the Seller during Seller's hours of operation for inspection and must be accompanied by a dated proof of purchase receipt.

**WAIVER**

Any failure of the part of S Diesel to insist on strict compliance with the Warranty Provisions shall no way constitute a waiver of such right. No claim or rights arising out of a breach of the Warranty Provisions by Buyer may be discharged in whole or in part by a waiver of the claim or right, unless the waiver is in writing signed by an authorized representative of S Diesel. S Diesel's waiver or acceptance of any breach by Buyer of any provisions of the Warranty Provisions shall not constitute a waiver of or an excuse for nonperformance as to any other provision of the Warranty Provisions nor as to any prior or subsequent breach of the same provision.

**APPLICABLE LAW**

The Warranty shall be governed by the laws of the State of Arizona (excluding Arizona law with respect to conflicts of law).

\* Driven Diesel was formerly known as ITP Diesel, LLC and Sinister Diesel, LLC.