



FAN CLUTCH ACCELERATOR HARNESS

Fits 2003-2010 6.0L Ford Powerstroke Diesel
Pickups/Excursions/Vans



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!

Thank You for purchasing the Driven Diesel 2003-2007 6.0L Ford Powerstroke **FAN CLUTCH ACCELERATOR HARNESS!** This product will only work with the OEM-style electronic fan clutch. If you have converted your truck to the fully mechanical fan clutch using the adapter from Bulletproof Diesel™, this product will not work. **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.

FAN ACCELERATOR HARNESS KIT PARTS IDENTIFICATION

<u>Qty:</u>	<u>Part Number:</u>	<u>Description:</u>
1	Harness	Fan Accelerator Harness Assembly
6'	Split Loom	1/4" Split Loom Covering for Harness
6	Cable Ties	Cable Ties to Secure Harness

NOTE: Use of this product will affect the Engine Coolant Temperature reading as seen by the ECM of the vehicle, and by any monitoring devices you may be using. If you are watching "splits" (comparing EOT and ECT), or just monitoring the coolant temperature, you will need to do so with the Fan Accelerator TURNED OFF.

The Fan Accelerator is manipulating the ECT reading in order to cause the ECM to operate the electronic fan clutch more aggressively. It is NORMAL to see the coolant temperature gauge on the dash move toward the 3/4 position, and a digital monitor to read between 30-40°F HIGHER, whenever the Fan Accelerator is turned on. If you need to see accurate temperature information, you will need to temporarily turn off the Fan Accelerator. You can also install a separate probe for ECT, if supported by your monitor.

Fan Accelerator Harness Installation

1. Using FIGURES 1 & 2, locate the Coolant Temperature Sensor on the front of the engine. It will be to the left of the thermostat outlet (radiator hose connection).

NOTE: We highly recommend performing this installation on a COLD engine to prevent possible burns to your hands and arms!

2. Disconnect the factory connector from the coolant temp sensor.
3. Plug the female connector of the Fan Accelerator Harness into the engine coolant temp sensor.
4. Plug the male connector of the Fan Accelerator Harness into the factory female connector that you removed from the sensor in step 2.

5. Carefully route the Fan Accelerator Harness from the coolant temp sensor to the firewall (to the right of the brake master cylinder). Make sure that the harness is not routed near sources of heat (exhaust manifold, etc) or possible abrasion from moving parts (steering, etc).

Depending on the particular configuration of your truck, you may be able to route the switch through the firewall at an existing rubber grommet, or you may have to make a hole in the firewall. If you have to make your own hole, make sure to use some type of grommet to prevent abrasion to the harness and minimize the possibility of water or fumes entering from the engine compartment.

6. Once you have selected your preferred location, route the switch through the firewall and into the cab of the truck.

In selecting a location to mount the switch, we recommend making sure that it is easily accessible from the drivers seat, while driving. The benefit of this modification is the ability to enable more fan speed when necessary (to cool the engine), and then turn it off when not necessary (to save fuel)...you want the switch within easy reach. You will also want to verify that you can access the back of your chosen location, and that there is room for the switch body and cable.

7. Once you have decided on your switch location, drill a hole for the switch to pass through. Ideally, you want the threads of the switch body to fit in the hole "snugly" to help keep it from trying to twist in the hole.
8. Note the groove that is cut in the threads of the switch. When the toggle is toward the groove, the switch is OFF. Installing the switch into the mounting hole with the groove at the bottom will mean that when the toggle is DOWN, the switch is OFF. Orient the switch in the mounting hole as desired, taking note of the location of the groove (the "OFF" position), then install the lock washer and nut. Be careful not to overtighten the nut, it's a switch, not a lugnut.
9. Go back over the harness under the hood and secure it with cable ties in multiple places, making sure that it can't touch anything that will damage it from heat or abrasion, can't get into the blades of the fan or the fan belt, etc.
10. With the Fan Accelerator Switch TURNED OFF, start the truck and drive it long enough to reach "normal operating temperature". Your dash gauge and/or monitor should be reading as they normally do at this time.
11. To test the Fan Accelerator, flip the switch to the ON position. Depending on the operating conditions the ECM is seeing, it can take anywhere from 10 seconds to a minute for the fan to react. Once the ECM commands an increase in fan speed, you will hear the engine fan start to howl. Different operating conditions (vehicle speed, engine temp, ambient temp, A/C operation, etc) will result in different levels of fan engagement.
12. Flip the switch back to the OFF position. Again, the reaction from the fan can take anywhere from 10 seconds to a minute, but after a short time you should hear the howl of the engine fan fade out.

IMPORTANT NOTES TO REMEMBER:

- This harness can not fix a worn out fan clutch. Operating instructions and expected fan speed changes assume a properly functioning electronic fan clutch.
- It is NORMAL for the fan to take some time to react after turning the switch on or off.
- It is NORMAL for your engine temperature gauge and/or digital monitor to read higher temperatures when the switch is on.
- It is NORMAL for the fan switch to NOT cause fan operation if the engine has not warmed up yet. Because the switch increases the ECT reading by 30-40°F, it is still possible for the ECM to keep the fan speed low if the actual engine temperature isn't high enough yet.
- If you want to see the actual temperature of the engine coolant on your dash or monitor, you need to have the switch in the OFF position.
- Leaving the switch in the ON position will likely cause a noticeable reduction in fuel economy, may make the truck feel sluggish and will certainly cause more constant noise from the engine fan. This is NOT how the product was intended to be used.
- It is best to leave the switch in the OFF position until needed, and turn it back off once it is no longer needed.

Congratulations on completing the installation of the Driven Diesel Fan Accelerator Harness.



FIGURE 1 – POINTING AT COOLANT TEMPERATURE SENSOR



FIGURE 2 – COOLANT TEMP SENSOR (LEFT OF THERMOSTAT/RADIATOR HOSE)

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.