

TITANIUM SERIES

T UIM 095G or T UIM 165G

4 YEAR WARRANTY

MOTOR NO:

SERIAL NO:

Provide your pump's serial #



MANUFACTURED DATE:

WARRANTY STIPULATIONS:

- Copy of sales receipt mailed with this form
- All warranty information, located on the front & back, filled out
- FASS products and/or paperwork must not be tampered with
- Warranties are non-transferable
- Warranty is only available if purchased through FASS ViP Dealer! There is "NO Warranty" on FASS Products purchased through unauthorized dealers.
- Warranty Registration must be received by FASS within 30 days of purchase.

Register online @
www.FASSride.com

SEND CORRESPONDENCE TO:

FASS Fuel Systems
 Attn: Warranty
 16234 State Hwy O
 Marthasville, MO. 63357
techsupport@fassride.com

DPP INC. OFFICE USE ONLY :

Date Received: _____

Purchase Receipt: Yes (Receipt Date: _____)

No

Dealer Purchased From :

Date:

New FASS Owner Name:

Company/Organization:

Phone:

Email:

Street:

City, State & Zip:

Vehicle Year/ Make/ Model:

Color:

Vin Number:

Quality Of Product

Excellent

Good

Fair

Poor

How did you hear about us?

Dealer _____ Magazine _____

Show _____ Online _____ Friend

Comments:

INSTALLATION MANUAL

TITANIUM SERIES

**ALL 1/2" FUEL PORTS
AND FUEL LINE!**

APPLICATION:

T UIM 095G (95GPH @ 16-18psi)
T UIM 165G (165GPH @ 16-18psi)

Unit Injected Mechanical Engines
Requires a Fuel Line Kit



CLASS 8 "SEMI"

FASS[®]
Diesel Fuel Systems
ENGINEERED EXCELLENCE

Revision Date: 10/24/2017

Dear Valued Customer,

“Made in the USA” is not just a slogan at FASS; it’s what we live by! FASS is not only assembled in the USA but 98%+ of the FASS product is manufactured in the USA, helping to employ Americans and strengthen America. At FASS, we scrutinize our suppliers and demand the highest quality American-made components. However, this does come at a price, which is one of the main reasons FASS products are more expensive than the competition. Remember price does not dictate quality but quality does dictate price! Here at FASS, we believe it’s worth the commitment and will continue this practice to support America! Our competition is doing exactly the opposite by using foreign-made components.

Building extremely “High-Quality” fuel products is our business. We concentrate all of our efforts in this arena. No one else is as specialized as FASS in what we do! This is one of the ingredients to insure you are running with the “Highest-Quality” fuel system in the world! We have implemented very rigorous testing procedures to provide the “Highest Quality” we have become known for. Not only is our product superior, but customer satisfaction is #1 at FASS. It is our goal to provide the best service possible. Our confidence is evident in the products we make as each product is backed by an industry leading warranty!

Our R & D department, in conjunction with our Dealer Support department, is continually searching for ways to improve quality, expand our product line, and provide superb support to our network of dealers so our customers’ needs and expectations will be exceeded.

To help insure you receive the proper system and customer support at the local level, FASS has a VIP and Authorized Dealer network representing FASS products. This is one reason you must purchase through a dealer to comply with our warranty policies. **If you do not, there is no warranty!** We recommend you go to www.FASSride.com, click “Find A Dealer”, put in their ZIP code, select the type of dealer, and see if the company you purchased from is listed. If they are not, put their phone number in the field below the ZIP code field to see if they are listed. Below these two fields is a list of “Terminated/Unauthorized” dealers. You may want to review this list. If the company is not listed or is on the “Terminated/Unauthorized” list, we suggest you return the product immediately to that dealer and call FASS. We’ll recommend you to the nearest dealer.

VERY IMPORTANT: Make sure to fill out your product registration form and return the original form to FASS Fuel Systems within 30 days of purchase accompanied with a copy of the purchase receipt. Complying with these guidelines will qualify you for the Extended Warranty!

See the Owner’s Manual online at www.FASSride.com for full Limitation of Warranty. In the event that the buyer does not agree with this agreement: the buyer may promptly return this product, in a new and unused condition, with a dated receipt, to the place of purchase within thirty (30) days from date of purchase for a full refund less shipping.

The installation of this product indicates that the buyer has read and understands the Limitation of Warranty agreement and accepts its terms and conditions.

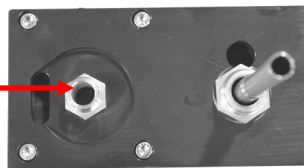
!WARNINGS!

WARNING: Do not tie FASS Return in with engine return. Back pressure can cause damage to engine.

- Read all instructions before starting installation of this product!
- Installing the improper FASS Pump can cause *severe* engine damage.
- Use this (T UIM 095G or T UIM 150G) kit to prevent fuel flow into any ‘open’ injectors during start-up.
- Once crankcase pressure is observed, power will be applied to the FASS pump.
- Operating your engine without the oil pressure switch (included) may cause engine damage.

FASS	Recommended Application
T UIM 095G	Class 1– Class 7, Agriculture, Industrial, Recreational, Hwy and off-road. Applications requiring fuel flow demands of 16-18psi and less than 95gph
T UIM 165G	Class 1– Class 8, Agriculture, Industrial, Recreational, Hwy and off-road. Applications requiring fuel flow demands of 16-18psi and less than 165gph

- Do Not Remove any factory installed secondary fuel filter! Removal of a factory installed secondary fuel filter may void the engine manufacturer’s warranty. This is the fuel filter between the engines fuel pump and the injectors.
- Be sure that the serial # on this installation manual matches that of the outside of the box.
- Keep debris from entering the internals of the system during installation. Getting debris in the water separator nipple can lock up the motor. If the motor does lock up from debris call FASS for technical assistance.



- Properly secure lines to prevent chaffing.
- Use caution when drilling. Steer clear of any electrical wires , air lines or other damageable components.

INSTALLATION MANUAL

Follow these steps to ensure a simple installation of your new FASS TITANIUM FUEL SYSTEM

1. *Read the installation manual completely before attempting installation. The installation of this product indicates that the buyer has read and understands the limitations of the FASS manufacturers warranty agreement and accepts the responsibility of its terms and conditions.*
2. Inventory the package components. Notify the place of purchase immediately of any parts missing or damaged.
3. The installation recommendations contained herein are guidelines. Use good judgment and take into consideration your vehicles' accessories.
4. For best results in accuracy and efficiency (due to training, communication, and our relationship with our dealer network), we recommend a ViP FASS dealer for the installation. They are prepared to install the FASS fuel pumps with the most efficiency. If a situation/problem arises during the installation, they are the most prepared for that situation/problem. DPPI is not responsible for any installation mistakes.
5. If you have any questions or concerns that can not be addressed with your dealer, email or call FASS.
6. If any installation procedure is uncertain, contact FASS technical support.

Email techsupport@FASSride.com with the following information:

- Your Name, address and daytime phone number
- Model (**T UIM 095 or T UIM 165G**)
- Serial Number
- Last 6 of vehicles' VIN
- Date of purchase
- Nature of Your Concern

Serial # Found



Call customer service; [636-433-5410](tel:636-433-5410) with the following information:

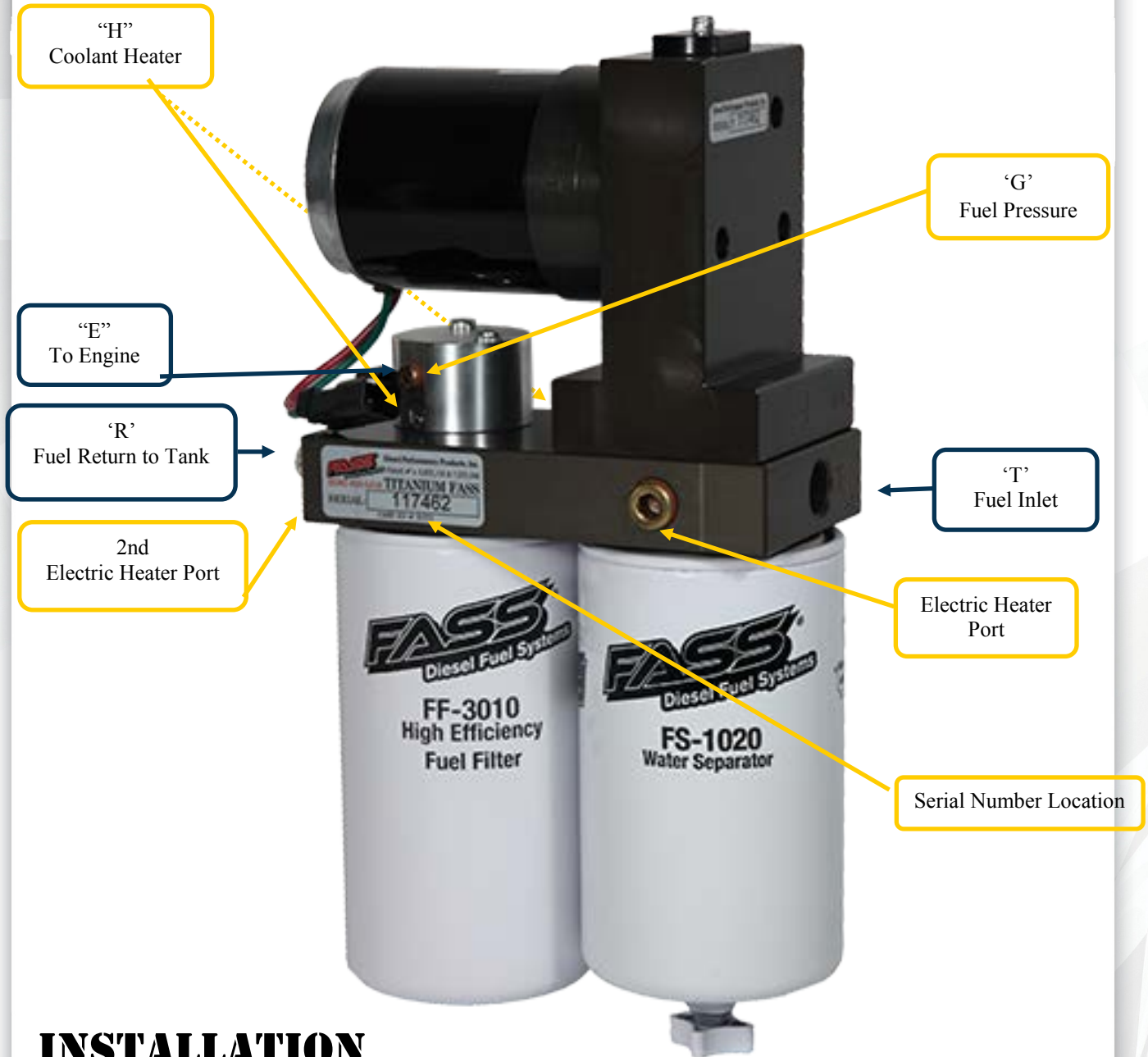
- Model (**T UIM 095G or T UIM 165G**)
- Serial Number
- Last 6 of vehicles' VIN
- Date of purchase

TITANIUM SERIES

95 OR 165 GPH

16-18 PSI (APPROXIMATELY)

A fuel pressure gauge is highly recommended to identify fuel filter life and to prevent engine damage!

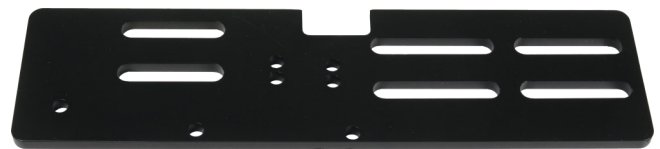


INSTALLATION

- Step 1: Install Electrical Harness
- Step 2: Prepare Suction and Return Lines
- Step 3: Mount Fuel System
- Step 4: Install Fuel Line
- Step 5: Check Installation

CONTENTS

Owners Manual Available
for Download at
www.FASSride.com



BR-2001



78143
Oil Pressure Switch



WH-1001

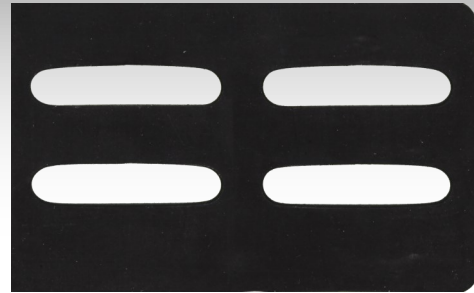
MOUNTING PACKAGE CONTENTS



10-273



RS-2684



RS-1001



Spade Terminal



4 3/8-16"x 1 1/2" Hex Bolt



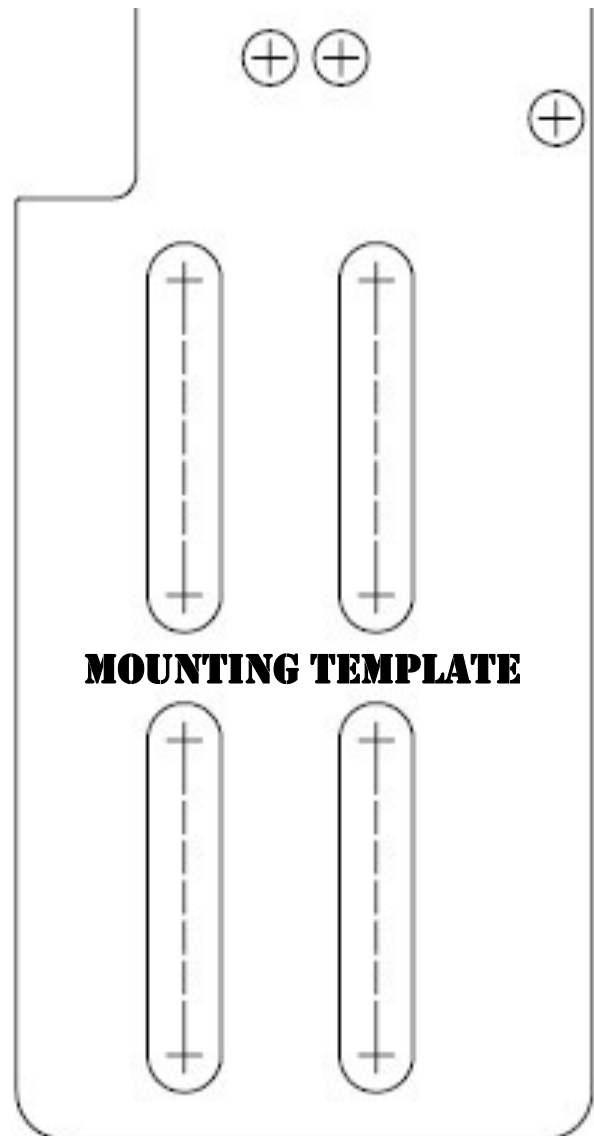
4 Locking Nut 3/8"



3 Hex Bolt 1/4-20 1 3/4"



3 WA-1001D



Before starting installation please review contents page to insure all necessary parts are included. Please call Diesel Performance Products for any missing or incorrect items. 636-433-5410

STEP 1: INSTALLING ELECTRICAL HARNESS

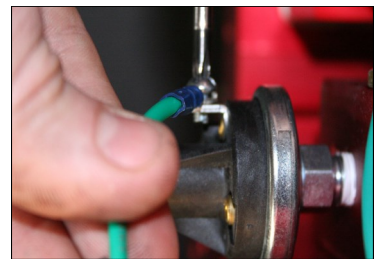
The installation of the electrical harness is done first, allowing power to be applied to the pump for lubrication purposes.

- A. Select best location in firewall for passage of wiring harness from cab to engine compartment.
- B. Find or drill a 7/8" hole in firewall. Install RS-2684 grommet for ease of installation and protection of wire harness.
- C. Route red wire/ loom of the wire harness through the grommet in the firewall to the ignition or fuse panel. **The use of corrosion preventative spray and dielectric grease is recommended where electrical connection are made..**

- D. Using a spade terminal, connect the "Red" lead to the "ON" terminal of the ignition switch or a terminal on the circuit breaker board that is "hot" when the key is on.



- E. Install the Hobbs Oil Pressure Switch in the oil gallery. Using a spade terminal, connect the green wire of the WH-1001 wire harness to the terminal on the oil pressure switch.



- F. Secure fuse out of the weather.

- G. Using the ring terminals, connect the green wire of the wire harness to the negative post.

Note: When connecting ground make sure connection is on a clean and not painted surface, ie Engine, Frame, or Battery.

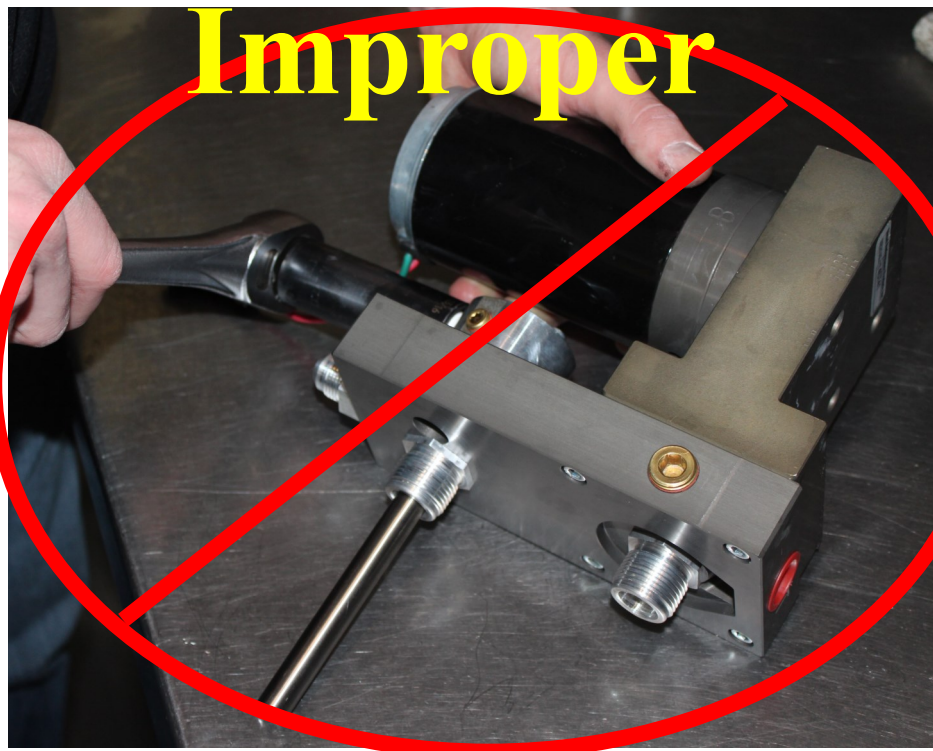
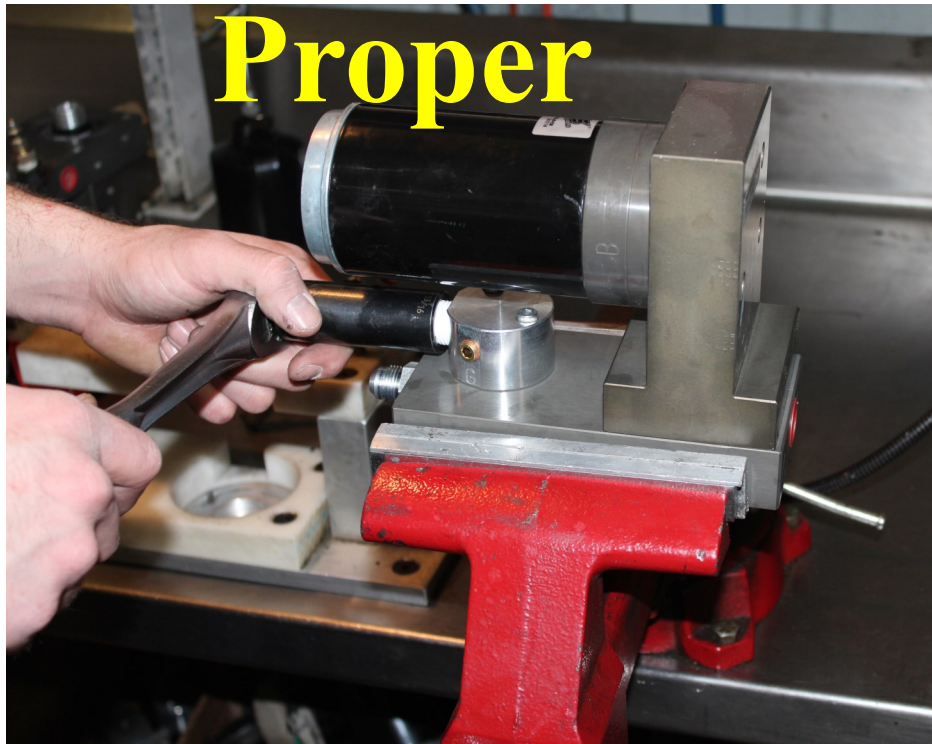
- H. Properly secure all electrical leads and harness.



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NOTE

ATTENTION: While installing fittings into Titanium pump
DO NOT Apply side pressure to draw tube of pump



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STEP 2: MOUNTING THE FASS

Some of the photo's are of a different application, procedures are the same.

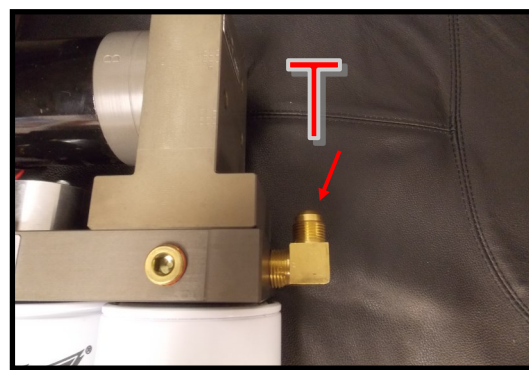
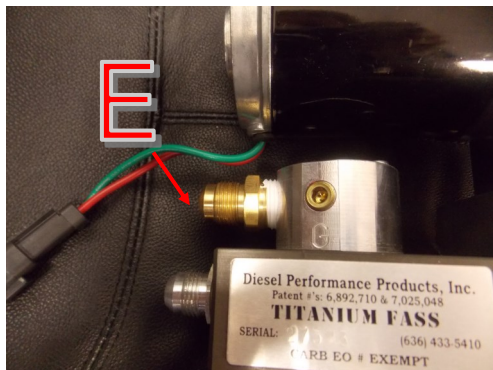
- A. Remove primary fuel and/or water separator. If primary filter is part of the fuel pump, ignore this step.



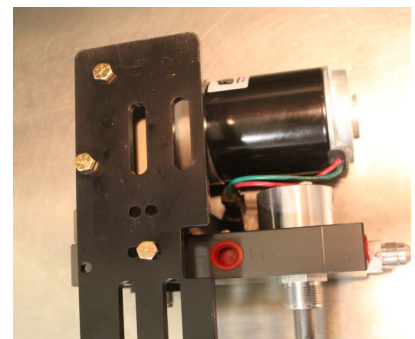
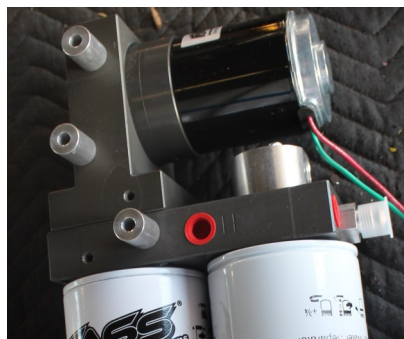
NOTE: Before installing fittings make sure to inspect for burrs or flare imperfections. When cutting fuel line make sure to blow out line to keep debris from moving forward.

- B. Install 10-273 into the "T" port and the "E" port of the FASS, torque to 18 ft./lbs.

*****FITTINGS ARE EQUIPPED WITH THREAD SEALANT, DO NOT USE THREAD TAPE*****



- C. Attach BR-2001 to back of system using the spacers and 1/4" bolts. Use the two bottom bolts and the very top one bolt opening.



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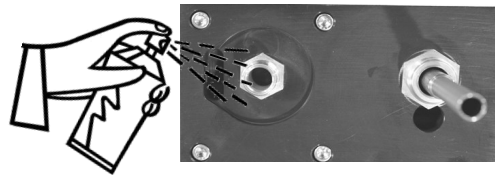
STEP 2: MOUNTING THE FASS

Some of the photo's are of a different application, procedures are the same.

- D. Position system where it will be mounted. Mark the (4) mounting points (using the template located on the contents page). Prior holes may be used. Drill these marked locations with a 13/32 bit.



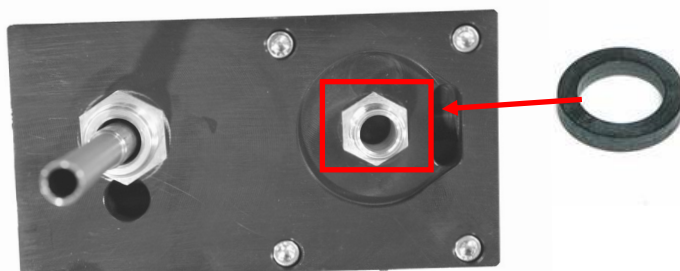
- E. Connect factory plug into the FASS harness. Turn key to "on". With pump operating, turn pump over, liberally spray WD-40 (or equivalent) into water separator nipple lubricating the Gerotor.



- F. Assemble to frame using the (4) - 3/8" bolts & flange nuts placing the RS-1001 between the frame and bracket. An optional accessory is SFB-1001.



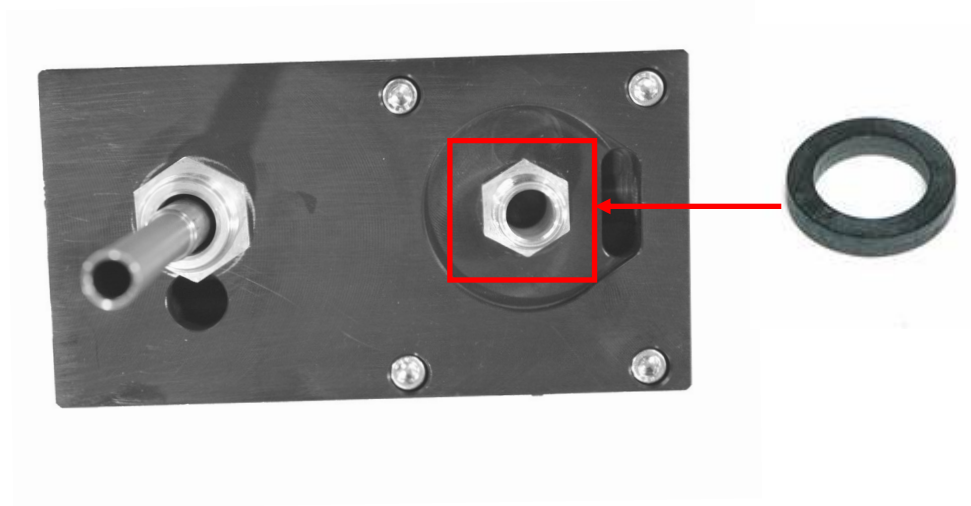
- G. Apply motor oil to O-rings located on filters. Attach to system and tighten appropriately



Note: O-Ring must be put back on suction side of pump. Failure to do so can result in priming issues, cavitation, or pressure loses.

Before starting installation please review contents page to insure all necessary parts are included. Please call Diesel Performance Products for any missing or incorrect items. 636-433-5410

STEP 7: REVIEW INSTALLATION & SECURE CONNECTIONS



Note: O-Ring must be put back on suction side of pump. Failure to do so can result in priming issues, cavitation, or pressure losses.

Fuel Filter –Install FF-3010 on side of pump with draw tube in the middle of the filter nipple.



Water Separator Filter –Install FS-1020 on water separator nipple without the draw tube. Make sure to insert O-Ring provided on nipple.

Filter Cross References

TITANIUM SERIES



(Currently in use)

- Fuel (FF-3010)
- Water (FS-1001)



<u>Fuel Filter (Micron Rating)</u>	<u>Water Separator (Micron Rating)</u>
Thread Size (1-14)	Thread Size (1-14)
Baldwin BF7633 (2M)	Baldwin BF 1258 (10M)
Carquest 86528 (2M)	Baldwin BF1214
CAT 1P2299 (6M)	Baldwin BF7546 (10M)
Donaldson P550625 (3M)	Donaldson P558000 (20M)
Donaldson P551025(4M)	Donaldson P551000 (10M)
Donaldson P551311 (3M)	Donaldson P551001(10M)
Donaldson P551313 (3M)	Fleetguard FS1282 (14M)
Donaldson P553203(3M)	Fleetguard FS-1000 (10M)
Donaldson P557440 (6M)	Fleetguard FS-1001 (10M)
Fleetguard FF5320(2M)	Fleetguard FS-1009(14M)
Fram P8334 (2M)	Fleetguard FS-1212(14M)
Hastings FF1079 (2M)	LuberFiner LFF8011
Wix 33352 (6M)	LuberFiner LFF8000
Wix 33528 (2M)	Motorcraft FD818 (14M)
Wix 33674 (2M)	Wix 33405(14M)
	Wix 33522 (10M)

LIMITATION OF 4 YEAR WARRANTY

Disclaimer: To help insure you receive the proper system and customer support at the local level, FASS has a VIP and Authorized Dealer network representing FASS products. This is one reason you must purchase through a dealer to comply with our warranty policies. If you do not, there is no warranty! We recommend you go to www.FASSride.com, click "Find a Dealer", put in their ZIP code, select the type of dealer, and see if the company you purchased from is listed. If they are not, put their phone number in the field below the ZIP code field to see if they are listed. Below these two fields is a list of "Terminated/Unauthorized" dealers. You may want to review this list. If the company is not listed or is on the "Terminated/Unauthorized" list, we suggest you return the product immediately to that dealer and call FASS. We'll recommend you to the nearest dealer.

Diesel Performance Products, Inc. (hereafter "SELLER") gives Limited Warranty as to description, quality, merchantability, fitness for any product's purpose, productiveness, or any other matter of SELLER'S product sold herewith. The SELLER shall be in no way responsible for the product's open use and service and the BUYER hereby waives all rights other than those expressly written herein. This Warranty shall not be extended or varied except by a written instrument signed by SELLER and BUYER.

When MANUFACTURER receives the "ORIGINAL" PRODUCT REGISTRATION form with a copy of the "BILL OF SALE/SALES RECEIPT" within 30 days of the sale, then the following applies! The Warranty will then and only then be validated to that of which typically accompanies your unit for your specific application from the date of sale or for recommended service life and limited solely to the original purchaser and/or vehicle and parts contained within the product's kit. This warranty does not cover normal wear on consumable items such as but not limited to filters, fuel line, wire harness & etc. The warranty does not cover seized gears due to lack of filtration. Warranty is voided if used with other than diesel fuel. Returned items will arrive prepaid to the place of purchase. Diesel Performance Products, Inc. will repair, without cost, any product found to be defective during the warranty period; parts only, or at its option, will replace such products in exchange for the product. Repair or replacements are warranted for the remainder of the original warranty period. All Warranty claims are subject to approval by Diesel Performance Products, Inc.

A Return Material Authorization (RMA) number must be obtained before any product is to be returned to Diesel Performance Products, Inc. for warranty consideration, repair or product return. Requests for product returns must be offset by an equal value order. Return parts must be completed and in resalable condition. No returns after 30 days.

The following information is required to obtain a RMA number before returning product:

Your Name, Address, and Phone Number's
Model and Serial Number (Not Motor Number) Example: Model HD Series, Serial: 00125966
VIN Number of Vehicle
Date of Purchase
Nature of Problem

RMA and Product Serial Number must be on all paperwork and correspondence. Failure to obtain the required information or paperwork will result in \$25.00/item penalty and delay or denial of any warranty claim.

Under no circumstances shall the SELLER and/or MANUFACTURER be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product, or any other contingent expenses.

Under no circumstances shall the SELLER and/or MANUFACTURER be liable for any damage or expenses insured by reason of the use or sale of any such equipment. This warranty does not apply to products which Diesel Performance Products, Inc. has determined to have been misused or abused, improperly maintained by the user, or where the malfunction or defect can be attributed to the use of non-genuine Diesel Performance Products, Inc. parts.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND LESS SHIPPING.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

Technical Support:

Diesel Performance Products, Inc.
16234 State Hwy O
Marthasville, MO 63357
636-433-5410