



TITANIUM SERIES

T D08 095G or T D08 165G

ENGINEERED EXCELLENCE

LIMITED LIFETIME 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:

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.

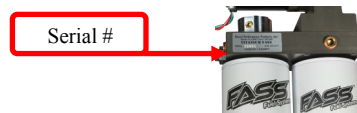
!WARNINGS!

- Read all instructions before starting installation of this product!
- Installing the improper FASS Pump can cause *severe* engine damage.

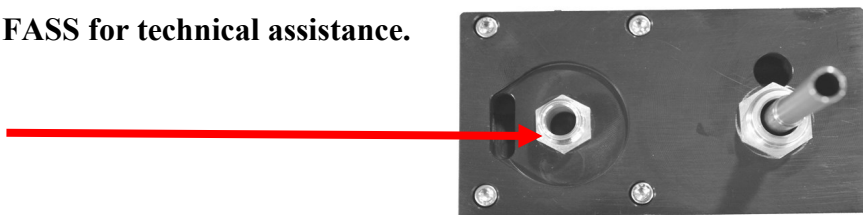
FASS	Recommended Application
T D08 095G	Cummins 1998.5-2004 with stock - moderate horsepower modifications
T D08 165G	Cummins 1998.5-2004 with moderate - extreme horsepower modifications

Note: If the truck has been retrofitted with an in-tank fuel pump, you must use a suction tube kit or return this kit in its new unused condition for a T D07 095G.
Due to the increase of fuel flow you may encounter a problem with the stock fuel module. Adding a FASS suction tube kit will solve that.

- Secure vehicle from **ROLLING!**
- Cab and Chassis may require modifications
- Consult vehicle's manufacturers' instructions concerning the electrical system before attempting any electrical connections.
- Be sure that the serial # on this installation manual matches that of the outside of the box.



- Flush and clean all brass fittings and fuel line from debris.
- 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.



- Wear safety glasses when operating power tools such as drills and grinders or when using a punch or chisel.
- Properly secure lines to prevent chaffing.

BEFORE STARTING THE INSTALLATION PROCESS LUBRICATE THE BED BOLT WITH WD-40 TO HELP WITH INSTALLATION

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 D08 095G or T D08 165G)**
- Serial Number
- Vin Number of Vehicle
- Date of purchase
- Nature of Your Concern

Serial # Found Here....

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

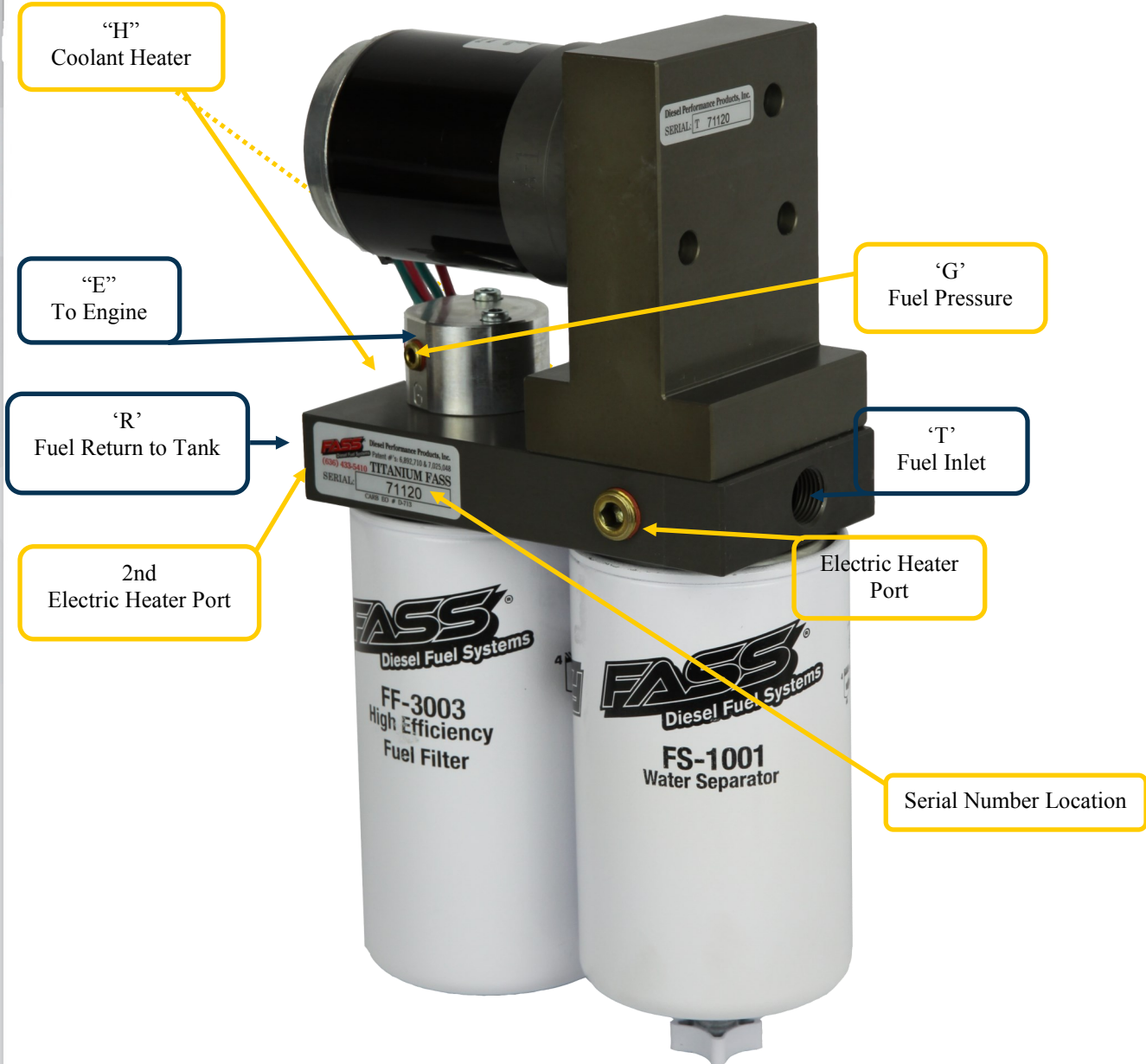
- Model **(T D08 095G or T D08 165G)**
- Serial Number
- Vin Number of Vehicle
- Date of purchase



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



MP-9020



WH-1002



PBR-2001

PFB-2002



FL-1002 x17'

MOUNTING PACKAGE CONTENTS



Ring Terminal



HC-1004



HC-1001



RM-1004



PL-1005



10-301



10-300



PL-2003



DIPF-1003



QD-1001



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



3 Hex Bolt 1/4"-20x1 3/4"



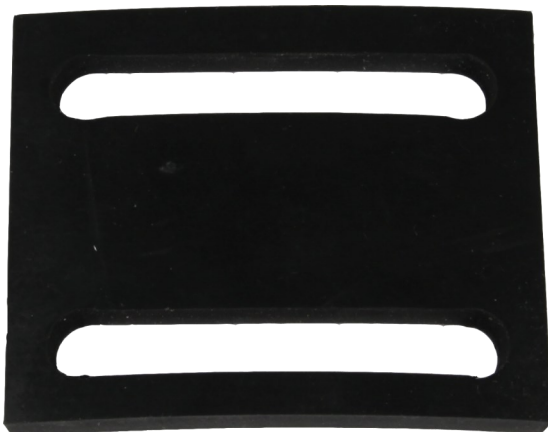
4 Locking Nut 3/8"



3 WA-1001D



4 3/8" Washers



RS-2002



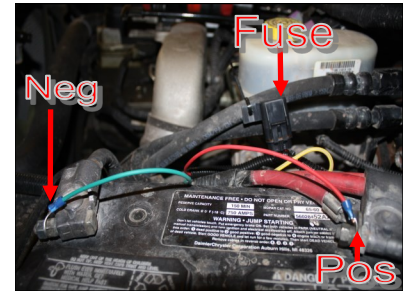
RS-2001

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: INSTALL ELECTRICAL HARNESS

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

- A. Using ring terminals, attach red wire of the WH-1002 to the positive battery terminal. Attach green wire to a clean ground, preferably the negative battery terminal. Secure fuse block in a location protected from outside elements. **The use of corrosion preventative spray is recommended.**

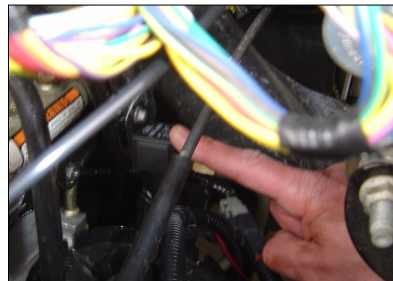


- B. Disconnect power source to the factory lift pump.



- C. Connect the WH-1002 wire harness branch coming from the relay to the factory power source removed in the Step 1b.

- D. Secure Relay in an upright position, as shown, to prevent moisture from entering. Di-electric grease may be applied to prevent corrosion. Examples of locations to secure relay:



- E. Route the WH-1002 wire harness along the frame rail to the mounting location of the FASS fuel pump.

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 2: PREPARE SUCTION & RETURN LINES

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

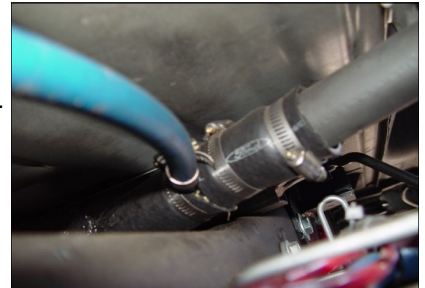
- A. Prepare FASS return line by cutting rubber junction connecting the filler neck to the fuel tank.



- B. Filler neck removed for clarity. Insert & position, into cut filler neck, RM-1004 with the junction pipe aiming to outside of bed. Clamp rubber and RM-1004 using both HC-1004's and factory clamps.



- C. Using a HC-1001 connect FL-1002 Fuel Line to the junction of RM-1004.

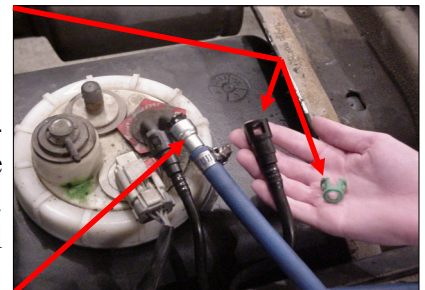


- D. Using a hose clamp install the fuel line over the knurled flare on the QD-1001. Oil O-rings inside Quick Disconnect.



Helpful Hint: If more space is required to access the top of the fuel tank, loosen the strap nuts to the end of the stud. This will gain you about 3" more working room. Bed has been removed for picture-clarity.

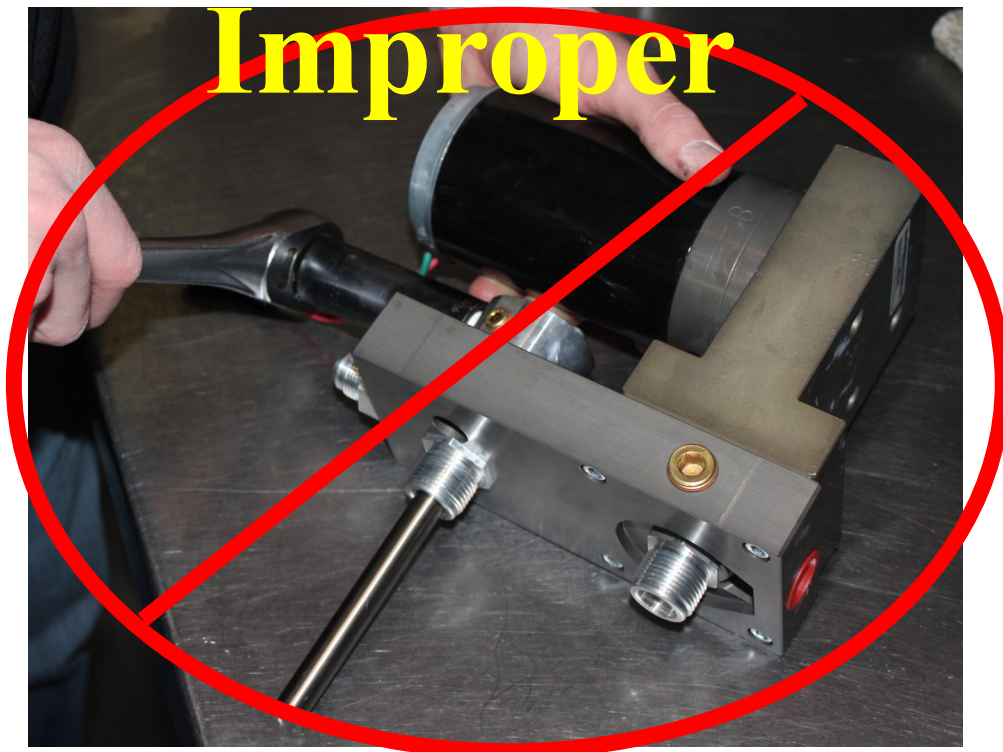
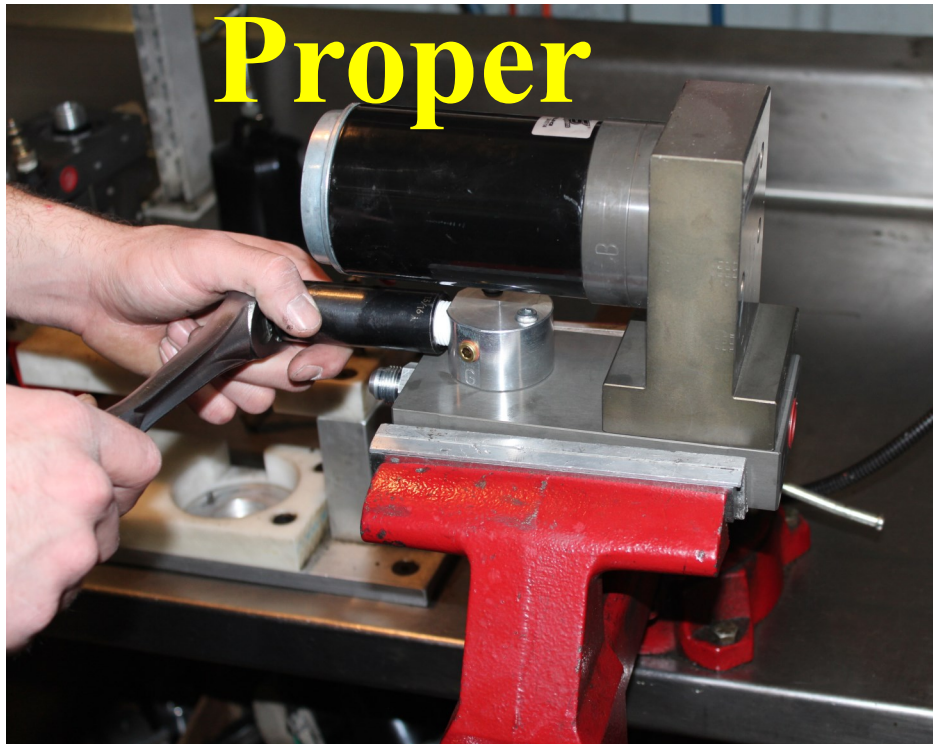
- E. Disconnect factory suction line clip by pressing in on the two tabs located on either side in the connection fitting. Once removed, clean the suction tube and connect the QD-1001 addressed in the previous step. Loop fuel line over frame, will be addressed in step Installing Fuel Line. Plug or seal factory line or remove.



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

NOTE

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



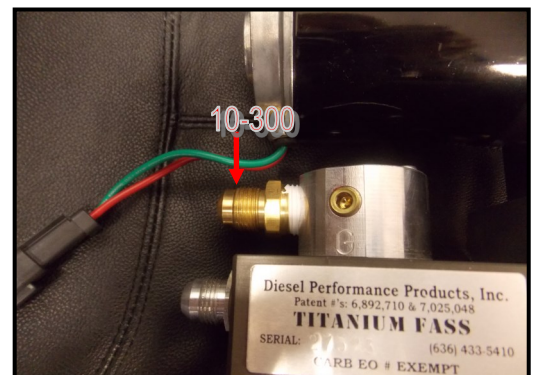
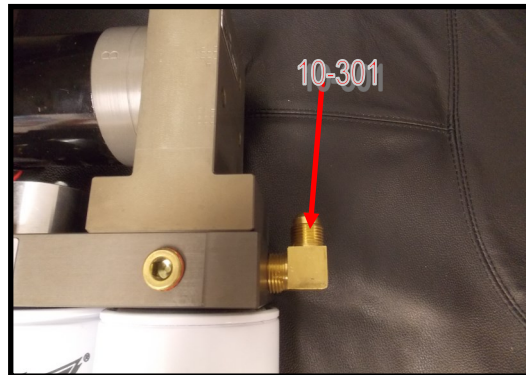
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STEP 3: MOUNT FUEL SYSTEM

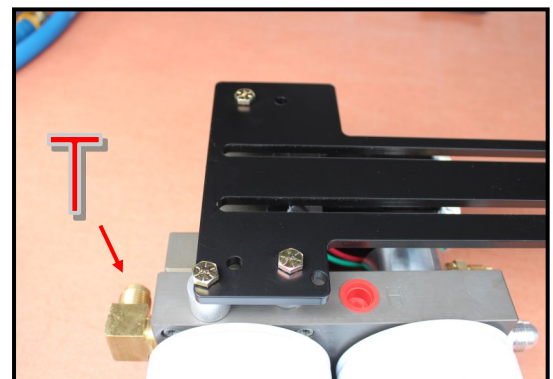
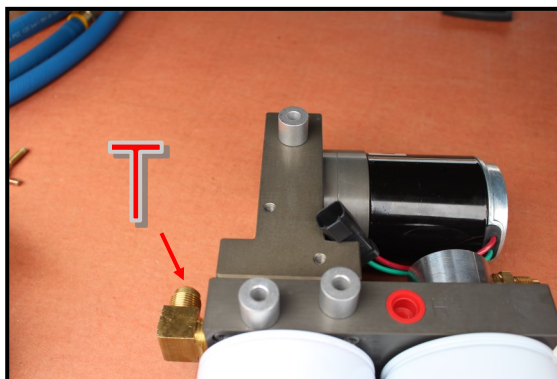
NOTE: Before installing fittings make sure to inspect for burrs or flare imperfections. When cutting fuel line make sure to blow out line to keep debris from moving forward.

- A. Install 10-300 into the "E" port and 10-301 into the "T" port of FASS, torque to 20 ft./lbs.

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



- B. For fitting purposes. Secure PBR-2001 to pump assembly lightly with (3) 1/4"-20x1 3/4 bolts and (3) WA-1001D. This will assembly will be used in future steps for correct fitting of brackets. **(Note: Bracket maybe flipped to accommodate your application.)**



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STEP 3: MOUNT FUEL SYSTEM

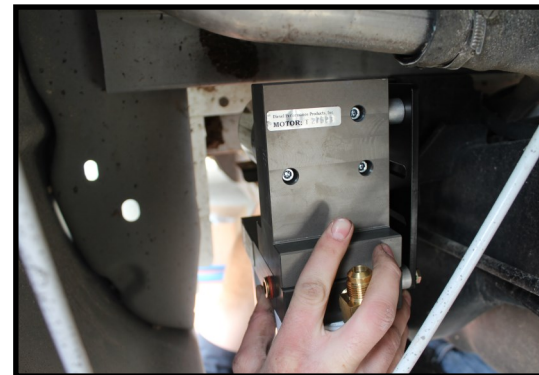
C. Unbolt driver side



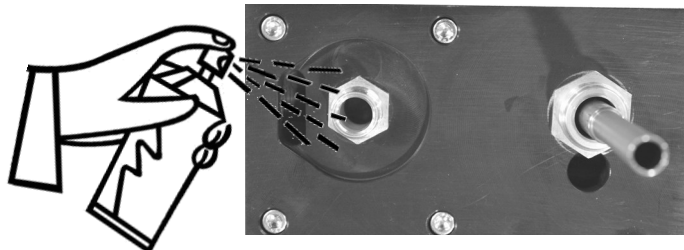
D. Secure PFB-2002 and RS-2001 with bed bolt in previous step.



E. Position the PBR-2001 to the PFB-2002 pump assembly at the mounting location and check for fit. Once location is established mark location for mounting in next step.



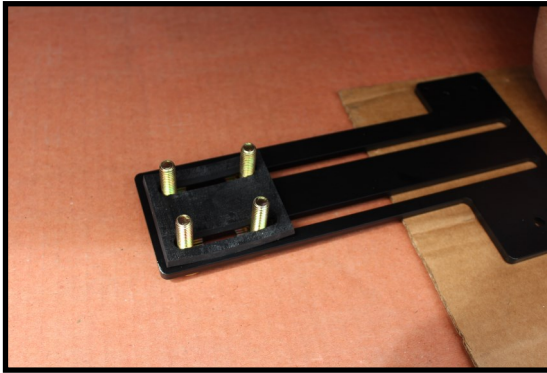
F. Connect factory plug into the FASS harness. Connect female plug of the FASS harness into pump. Turn key to "on". With pump operating (you may have to bump the starter), turn pump over, liberally spray WD-40 (or equivalent) into water separator nipple lubricating Gerotor.



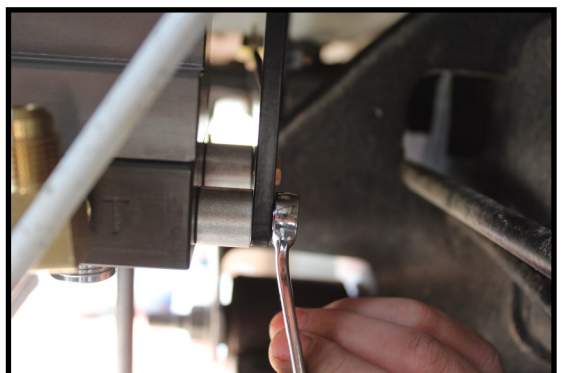
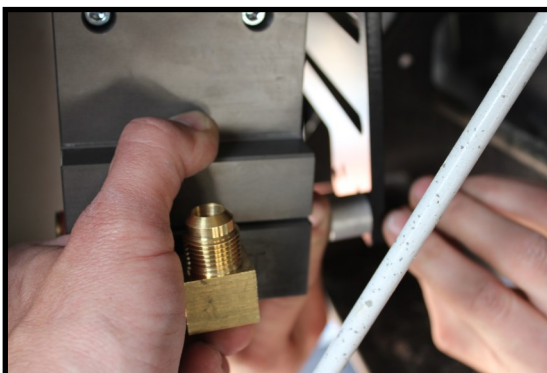
Before starting installation please review contents page to insure all necessary parts are included. Please call Diesel Performance Products for any missing or incorrect items. 636-433-5410

STEP 3: MOUNT FUEL SYSTEM

- G. Assemble the FASS pump bracket PBR-2001 using the RS-2002 spacer between PFB-2002 and PBR-2001 bracket with 4-3/8 bolts, nuts, and washers. **Note: Torque bolts not flange nut.**



- H. Once secure use (3) 1 3/4 bolts and (3) WA-1001D spacers to mount the pump to the bracket.



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STEP 3: MOUNT FUEL SYSTEM

- I. Apply motor oil to gasket located on filters. Attach to system and hand tighten.



Fuel Filter –Install FF-3003 on side of pump with draw tube in the middle of the filter nipple.



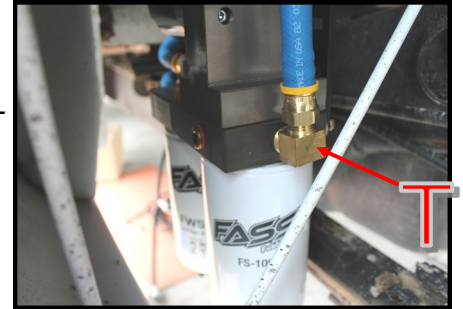
Water Separator Filter –Install FS-1001 on water separator nipple without the draw tube. Make sure to insert O-Ring provided on nipple.

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 4: INSTALL FUEL LINE

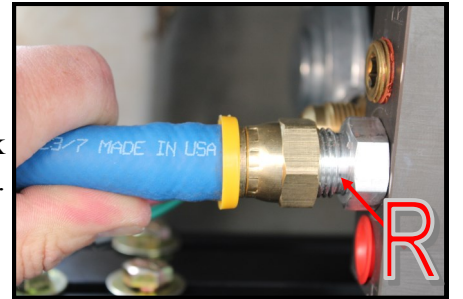
Caution: Do not use sealant on AN fittings.

- A. Route suction line to 'T' port . Cut FL-1002 to length. Insert PL-1005 in line using oil. Attach to 10-301. Torque to 18 ft./lbs.

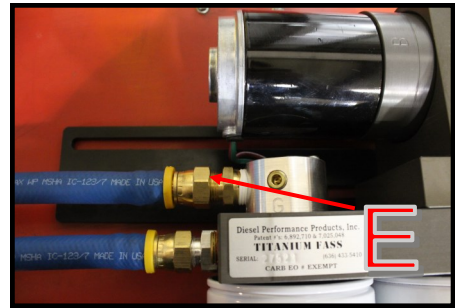


NOTE: Hose clamps are not recommended for push lock fittings and can damage the strength of hose. They will hold up to 300psi! Use oil on fittings and inside fuel line when installing Push-Lok fittings

- B. Route fuel line from the 'R' fitting to RM-1004 in the filler neck with a gentle bend. Cut and insert the PL-1005 fitting to the hose. Use oil. Attach fitting to the 'R' port. Torque to 18 ft/lbs.



- C. Insert PL-1005 in remaining fuel line. Connect to the 'E' port of the FASS system. Use oil. Torque to 18 ft./lbs. Route this line up to the injection pump.

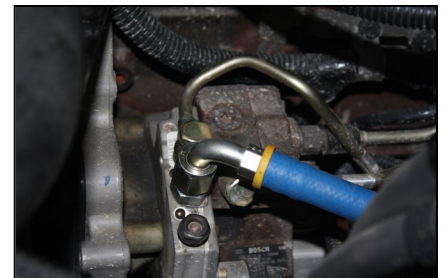


2003 - 2004 CP3 (INJECTION PUMP)

- D. Disconnect factory fuel line from inlet side of the factory injection pump, Install the DIPF-1003 fuel fitting into this inlet port. (Note: This is where the suction fuel line from the fuel filter enters the injection pump.)



- E. Measure and cut fuel line. Insert PL-2003 90° Push-Lok fitting using oil. Install fitting onto DIPF-1003. Torque to 18 ft/lbs.



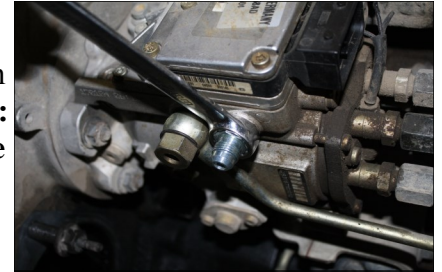
Note: Secure all fuel lines with cable ties. Cable ties are an economical way to prevent the possibility of problems occurring!

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 4: INSTALL FUEL LINE

1998.5 – 2002 VP44 (INJECTION PUMP)

- D. Disconnect factory fuel line from inlet side of the factory injection pump, Install the DIPF-1003 fuel fitting into this inlet port. (**Note: This is where the suction fuel line from the fuel filter enters the injection pump.**)



- E. Measure and cut fuel line. Insert PL-2003 90° Push-Lok fitting using oil. Install fitting to DIPF-1003. Torque to 18 ft/lbs.



Note: Secure all fuel lines with cable ties. Cable ties are an economical way to prevent the possibility of problems occurring!

The factory suction line can be capped off or removed from the truck. Make sure to drain factory filter. The openings on the filter and tank will need to be capped off to keep debris from getting into lines or canister.

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 5: REVIEW INSTALLATION

- Blow out any open lines/cover any open ports
- Bolts and fasteners properly tightened?
- Electrical harness and fuel lines secured and properly tightened? Reconnect the battery.
- Has the system been primed?
 1. Turn key to the ignition position, turning on the FASS pump for 15 sec..
 2. Crank engine and allow to run for at least 1 minute.
- Check for leaks.
- Start the engine
- Recheck all fluid and filter connections for leaks
- This pump comes with a 1 Year Manufacturer's Warranty based on the date it has been manufactured. To receive your extended Lifetime Warranty, you have 30 days from date of purchase to send the completed warranty information along with a copy of the purchase receipt in to Diesel Performance Products, Inc. Att: Warranty 16234 Hwy O Marthasville, MO 63357

HARD STARTS (DODGE '98.5 - '02)

Answer the following questions:

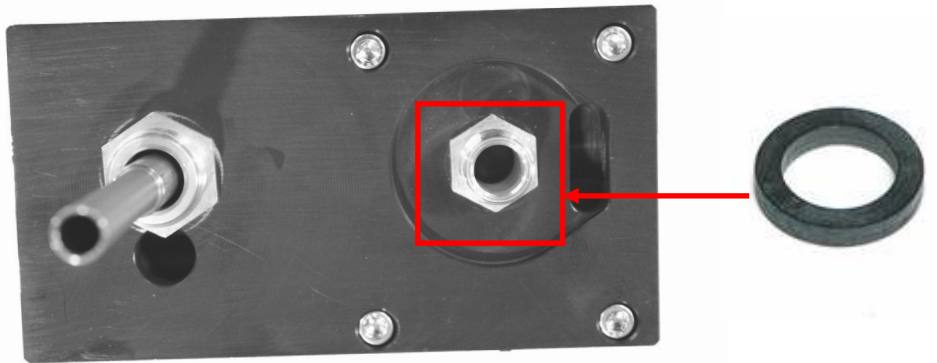
- Did the vehicle start fine without the FASS or HPFP? Do you have high mileage on the VP44? If yes, have your VP44 checked. Has the VP44 been subjected to a PSI of 5 or less? Has the VP44 been subjected to a failing lift pump? Does it occur more frequently when the conditions are warm? Have you recently replaced your VP44? Was it used?

If yes to any of these questions, Start vehicle as soon as you enter the key (*do not wait for the "wait to start" light to go out*) If the vehicle starts it suggest that the problem lies with the VP44.

- Is the fuel pressure where it should be?
- Has the truck had an ECM re-flash? If not, contact your dealer to find the most current flash for your truck.
- Do you have a WH-1002? If yes, refer to the "WH-1002" section located in "Electrical"

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 5: REVIEW INSTALLATION



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.

To assist with priming your FASS pump crack the FF-3003. Put power to the FASS pump to activate the pump. When the tone of the pump changes you can tighten up the fuel filter. If you need a video of the priming process go to www.FASSride.com.



Note: The Red Plastic Plugs located in the “H” ports can stay in place fuel will not flow through these ports. Coolant can be plumbed into these ports to heat the fuel in the Winter months.

LIMITATION OF LIFETIME 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