



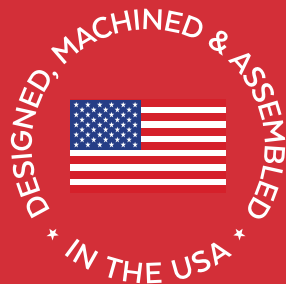
6.7L Powerstroke Drop-In Filtration System

INSTALLATION MANUAL

CREW CAB SHORT BED

DIFSFRD1001

2017-2025
F-250
F-350
F-450
6.7L
POWERSTROKE



**Note: Cab and Chassis
may require modifications**



www.fassride.com

(866) 769.3747

**Thank you for choosing FASS, from
Diesel Performance Products, Inc.**

FASS specializes in building extremely high-quality fuel products. We have earned an unsurpassed reputation for excellence in our industry by using only the highest-quality American-made components. In order to support our American workers and our American economy, more than 98+ percent of our products are manufactured completely in the United States.

Of course, that dedication to excellence comes at a price, but it is important to remember that price does not dictate quality-quality dictates price! We will never compromise by using cheaper, foreign-made components, like so many of our competitors do.

Customer satisfaction is our top priority and we strive always to provide outstanding customer service. Our Research and Development department, in conjunction with our Dealer Support Department, continually searches for ways to improve quality, expand our product line, and provide superb support. Our exclusive ViP Network ensures that customers receive the proper products and support at the local level. The extended lifetime warranty is only available on products purchased from the network. There is no warranty on products not purchased outside the network.

IMPORTANT:

In order to qualify for the lifetime extended warranty, your product registration form and proof of purchase from an authorized dealer must be submitted to FASS Fuel Systems within 30 days of purchase. Failure to comply will void the warranty. We have the right to deny any warranty believed to be false, altered or purchased through an unauthorized or terminated dealer. A current list of authorized dealers can be found on our website, FASSRide.com.

The complete conditions of the Limitation of Warranty can be found in the back of this manual, and FASSRide.com.

**For more information,
contact Technical Support: Diesel
Performance Products, Inc.
16234 State Highway O
Marthasville, MO 63357
636-433-5410**



WARNING!

This product has NO WARRANTY unless:

- 1. It has been purchased from an **Authorized** or **ViP FASS Dealer**. If in doubt, check **www.FASSRide.com**.**
 - 2. It is registered within thirty (30) days of purchase.**
- Other conditions may apply. Please see full warranty information.**

NOTE: Warranty is **void** if product was purchased below FASS website advertised pricing.

ATTENTION!

Before you begin installation

Register for your Warranty ONLINE at

<https://www.fassride.com/register-a-warranty/>

No online access, call our TECH Support at

1-866-769-3747

FOLLOW THESE STEPS TO ENSURE A SIMPLE, CORRECT INSTALLATION OF YOUR NEW FUEL SYSTEM

- 1** Be sure the serial number on this installation manual matches that on the outside of the box.
- 2** Pay close attention to ALL WARNINGS
- 3** Read all instructions before starting installation of this product.
- 4** Inventory the package components. Notify the place of purchase immediately of any parts missing or damaged.
- 5** The installation recommendations contained herein are guidelines. Use good judgment and take into consideration your vehicles' accessories.
- 6** 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 or problem arises during the installation, the dealer is prepared to handle it. Diesel Performance Products, Inc. is not responsible for any installation mistakes.
- 7** If you have any questions or concerns that cannot be addressed with your dealer, email or call FASS.

**If any installation procedure is uncertain, contact FASS technical support.
Call customer service at 636-433-5410,
or send us an e-mail: techsupport@FASSride.com
with the following information:**

Your name, address and daytime phone number Model

DIFSFRD1001

Serial Number

Last 6 digits of vehicles' VIN

Date of purchase

Nature of Your Concern

Serial number

Serial # >





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(866) 769.3747

INSTALLATION MANUAL

DIFSFRD1001

(Installation Videos are available at
www.fassride.com)

- 1. Read all instructions before starting installation of this product!**
- 2. Installing the improper FASS Pump can cause severe engine damage.**
- 3. Secure vehicle from ROLLING!**
- 4. Consult vehicle's manufacturers' instructions concerning the electrical system before attempting any electrical connections.**
- 5. Be sure that the serial # on this installation manual matches that of the outside of the box.**
- 6. Flush and clean all brass fittings and fuel line from debris.**
- 7. Keep debris from entering the internals of the system during installation. Getting debris in the water separator nipple can lock up the motor.**
- 8. Wear safety glasses when operating power tools such as drills and grinders or when using a punch or chisel.**
- 9. Properly secure lines to prevent chaffing.**

CONTENTS

NOTE: Owner's Manual available for download on our website, www.FASSride.com



MP-9093



DIFS-FRD-WH-1001



FL-1002 x 9'



FRD-DIFS-BRK-1001

MOUNTING PACKAGE CONTENTS



(TWO)
8-ORB-500-QC



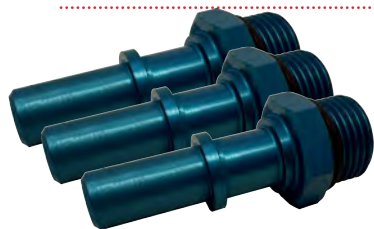
PLB-500-1E-NPT



1/8 NPT PLUG



(THREE)
A624C56-55-05



(THREE)
8-ORB-12MM-QC



(THREE)
WA-1001D



(THREE) HC-1001



(THREE) 1/4-20x1.75"



91198788
ONLY USED WITH FILTER
DELETE PFD-1001



WIFS1001



DT-8-ORB-500-QC



ORB-PLUG-8-GLD



CABLE TIES



OR-211
(INCLUDED IN KITS
BUILT AFTER 8/15/24).

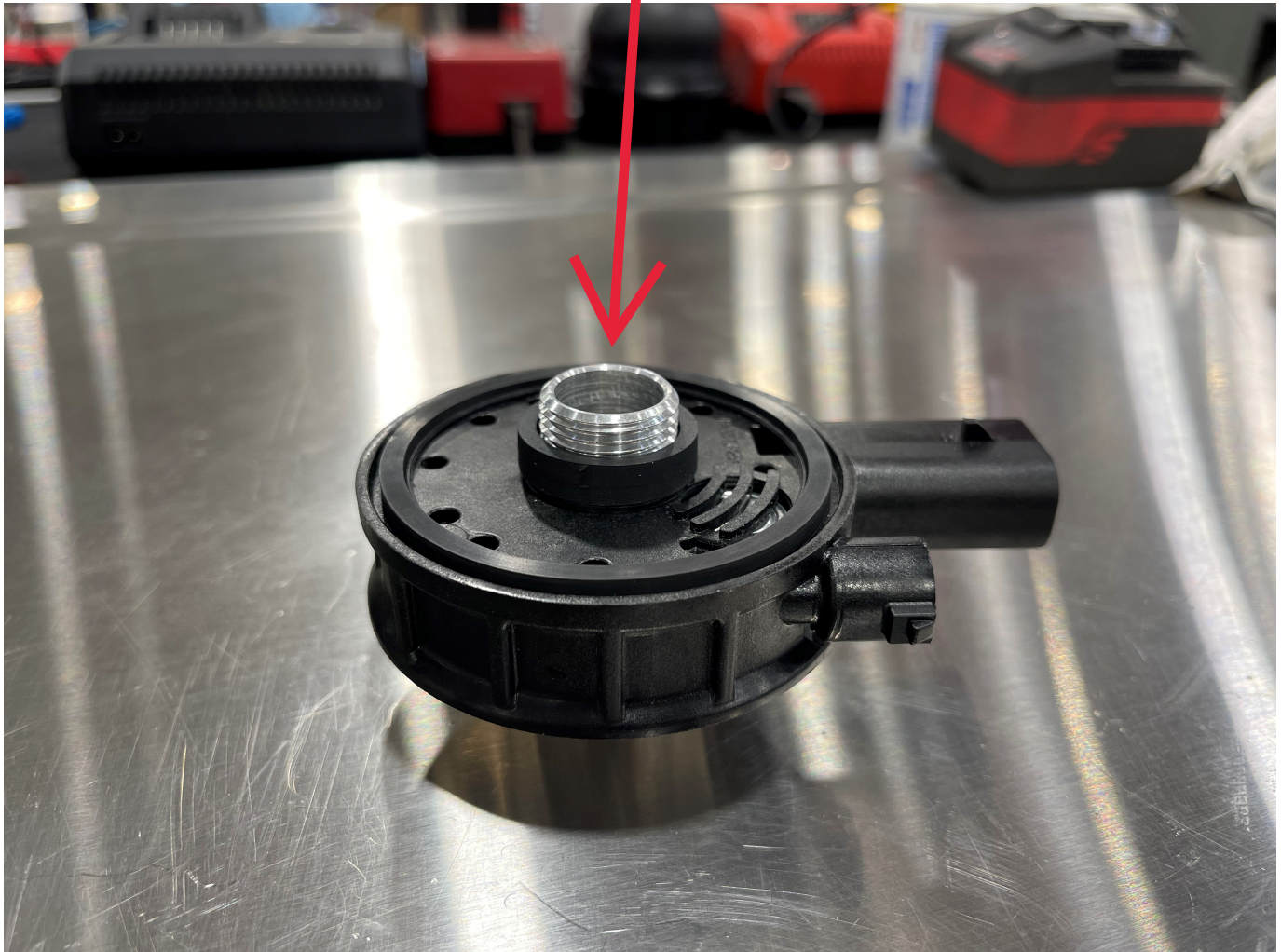
NOTE:

**THIS INSTALLATION MANUAL IS FOR TRUCKS
WITH THE FUEL CONDITIONING MODULE
MOUNTED IN THE FRONT OF THE FUEL
TANK.**

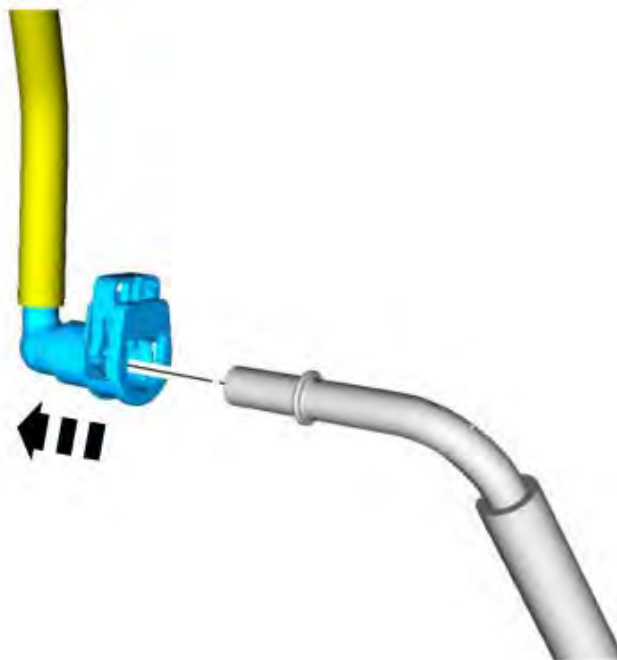
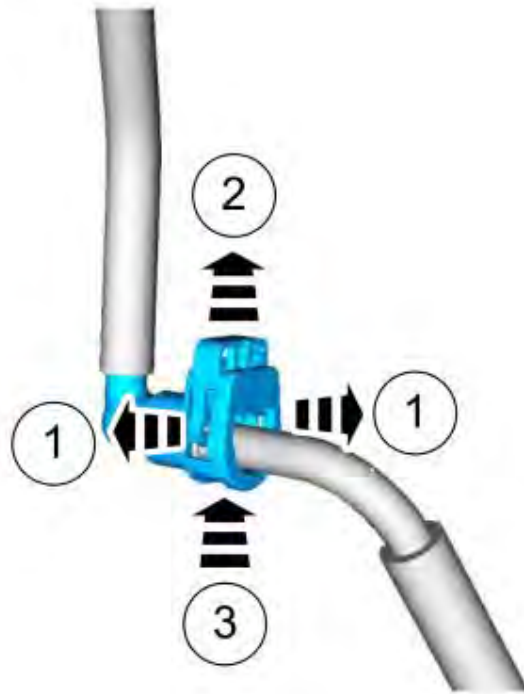
**IF THE FUEL CONDITIONING MODULE IS
MOUNTED ON THE SIDE OF THE FUEL TANK,
PLEASE SEE THE APPROPRIATE
INSTALLATION MANUAL.**

NOTE:

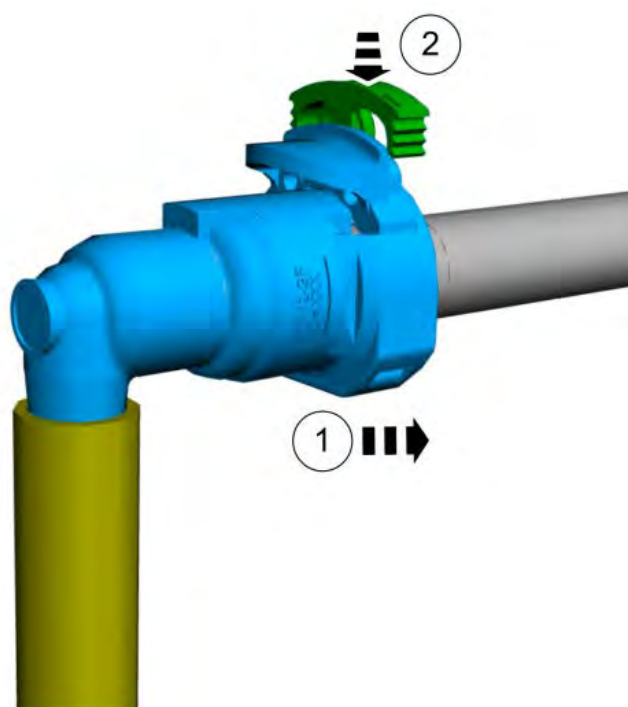
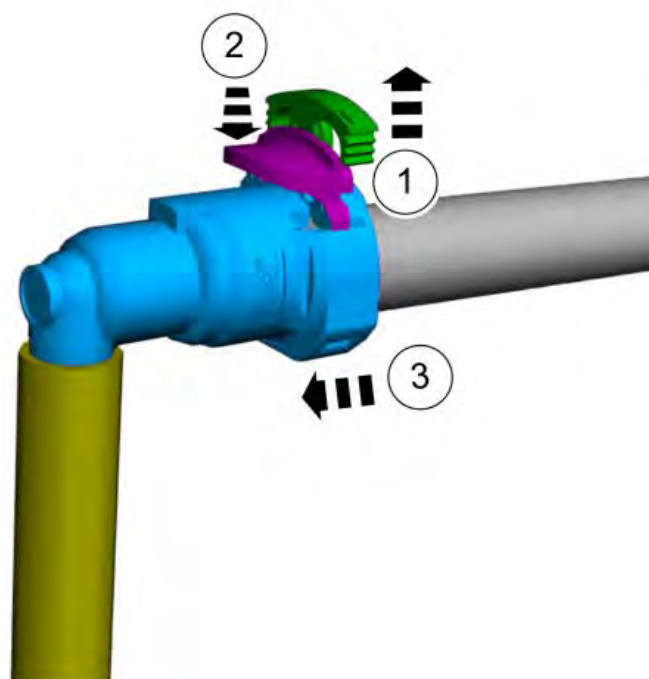
O-Ring part number OR-211 is included in this kit but is only used when installing the FASS High Output Electric Heater Disk.



The images below show the proper steps for disconnecting and connecting the quick-connect style fuel lines.



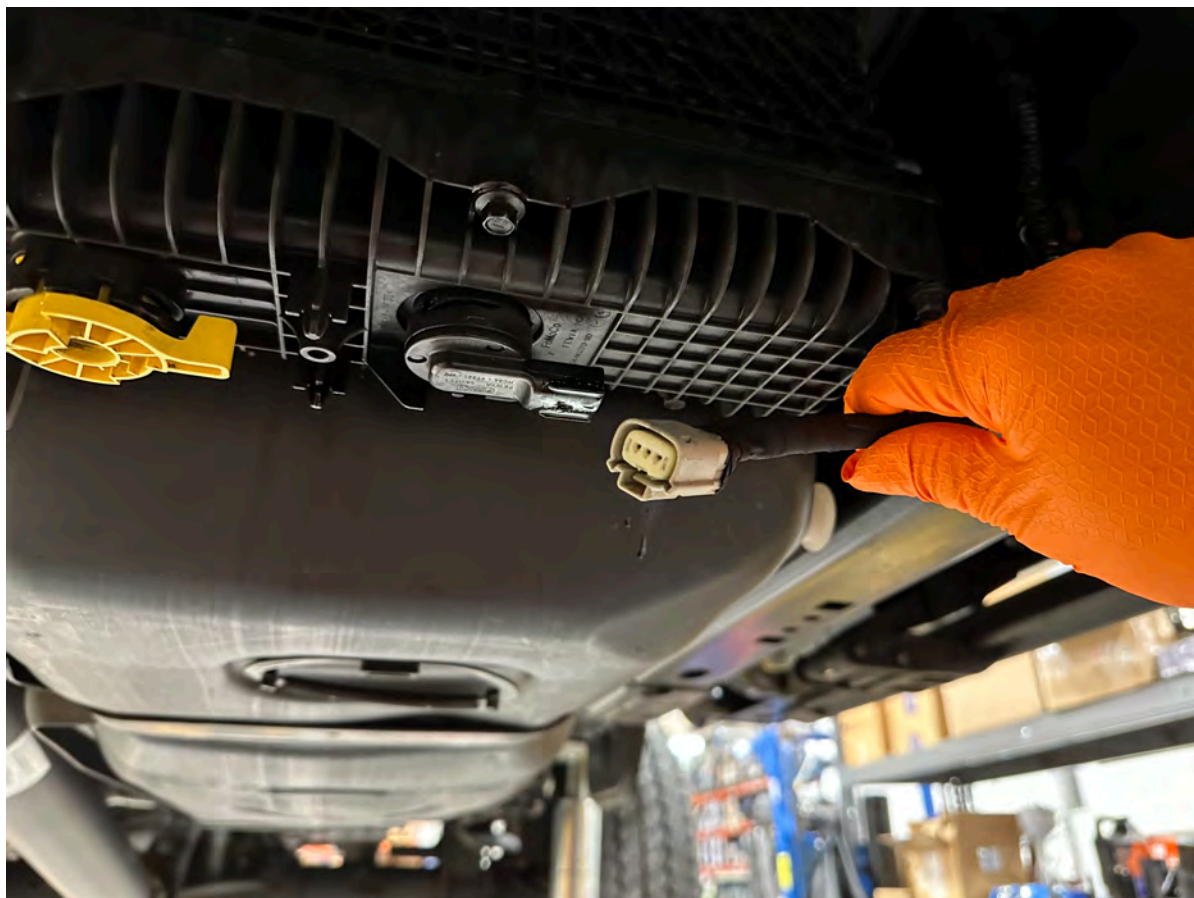
The images below show the proper steps for disconnecting and connecting the quick-connect style fuel lines.



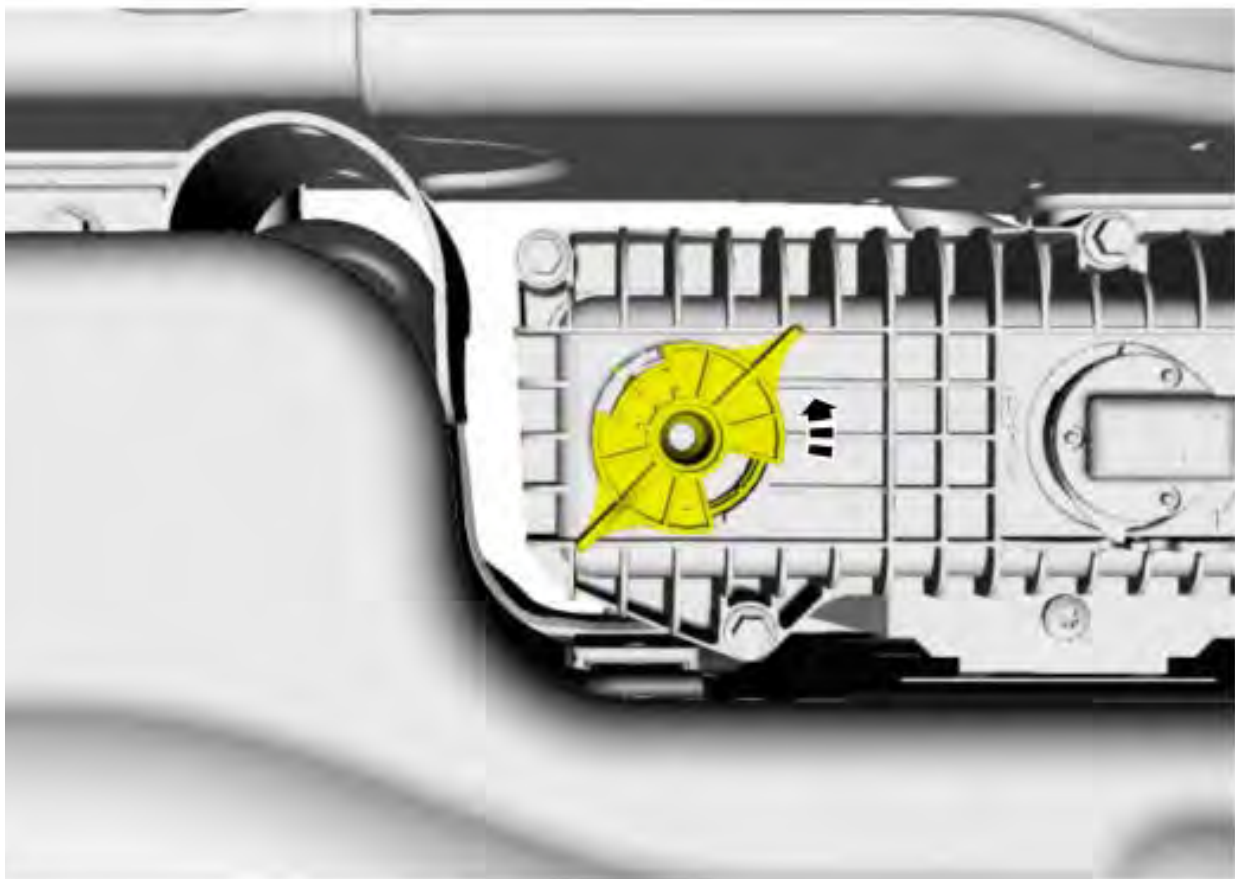
A. Release the locking tabs and remove the water separator shield.



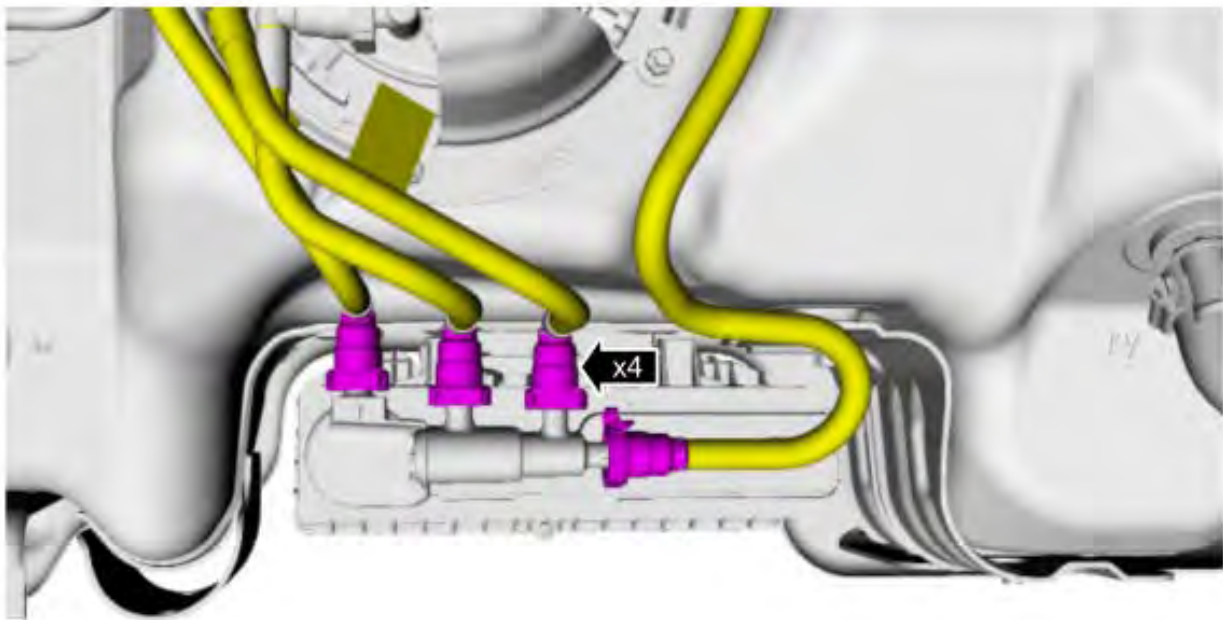
B. Release the locking tab on the water-in-fuel sensor and disconnect.



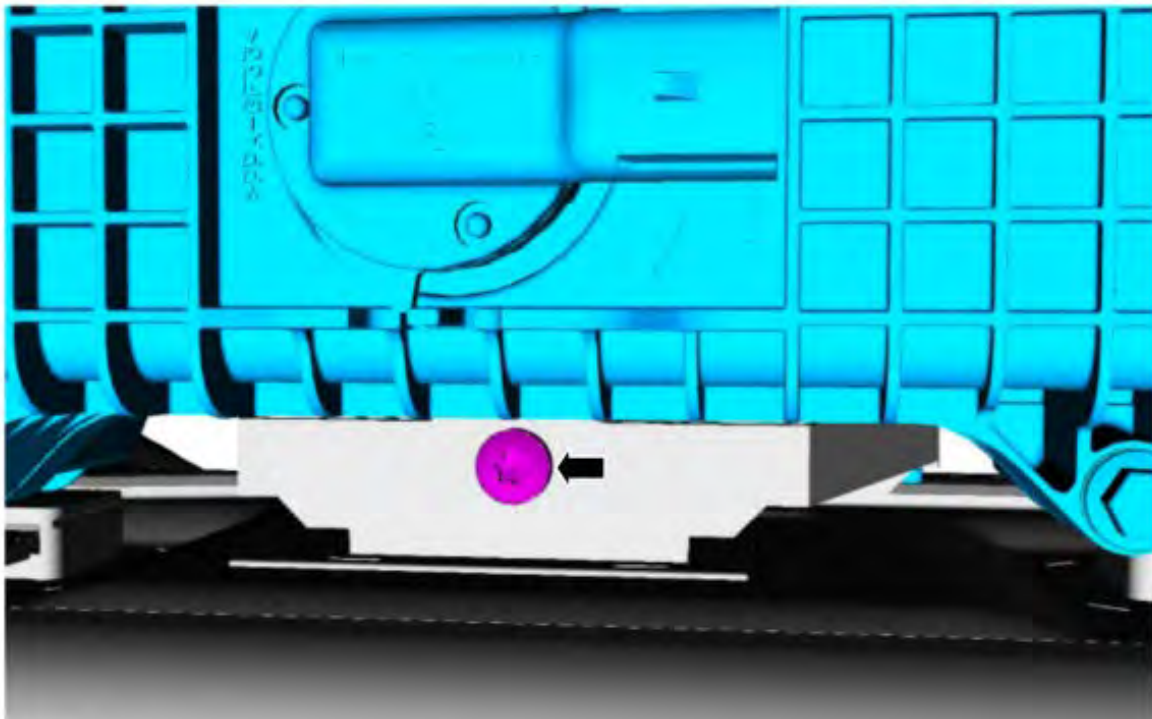
- C. Place a suitable drain pan under the fuel conditioning module, then drain accordingly.**



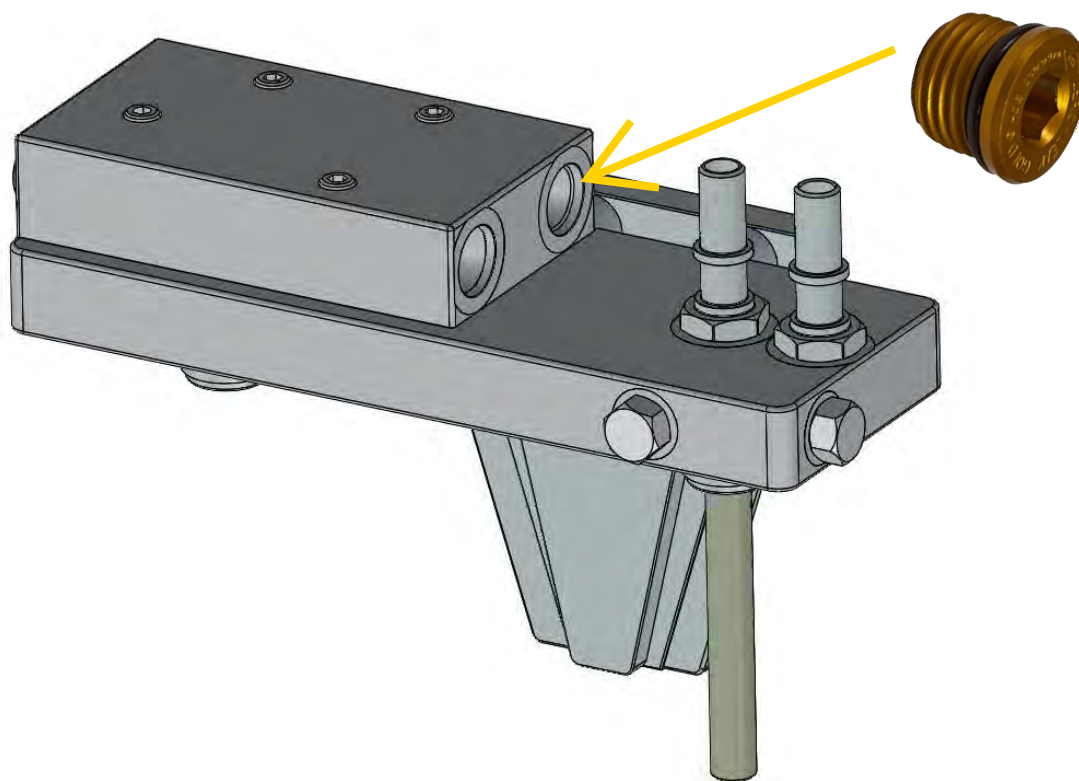
- D. **Disconnect the four fuel lines using the instruction in the beginning of this manual.**



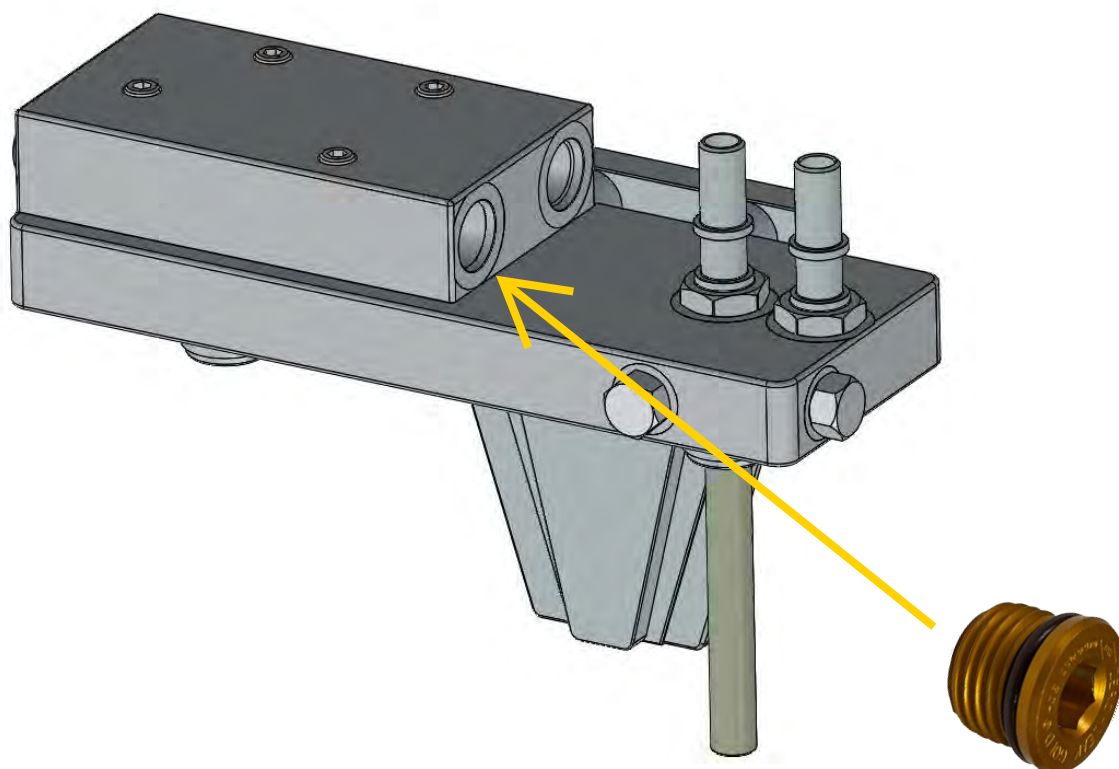
- E. Remove the bolt and slide the fuel conditioning module up and off of the fuel tank.**



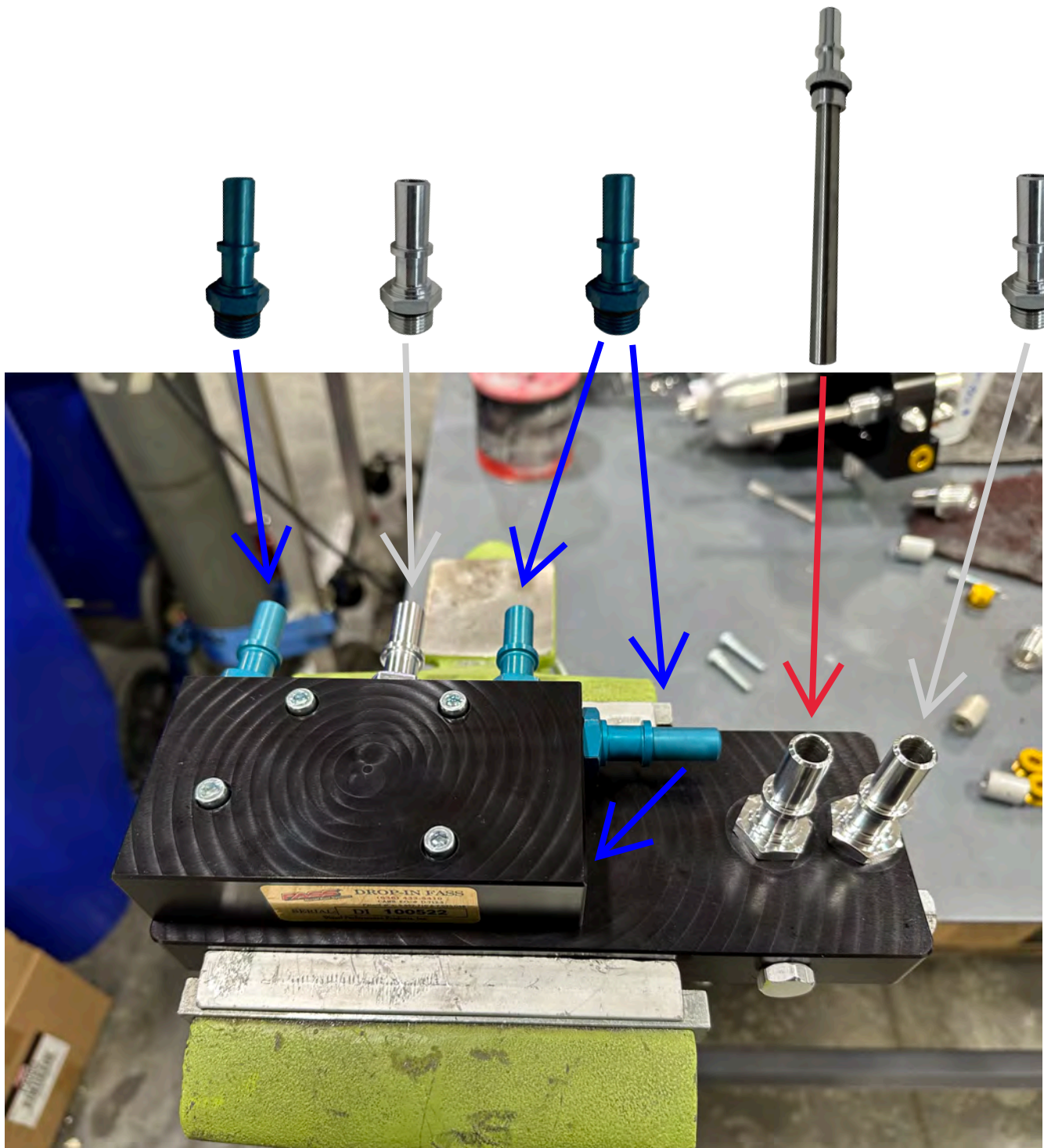
F. If your truck has a 90° quick connect return fitting on the OEM fuel conditioning module as seen below, install 22S-A08 into the rearward return port on the FASS and tighten accordingly.



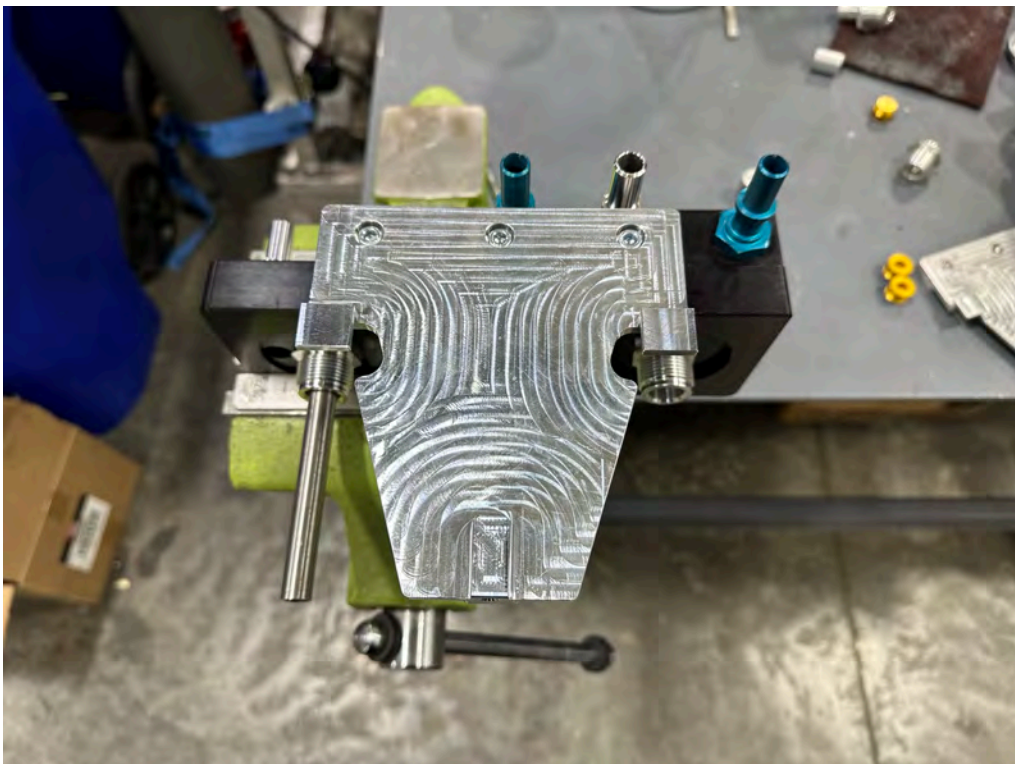
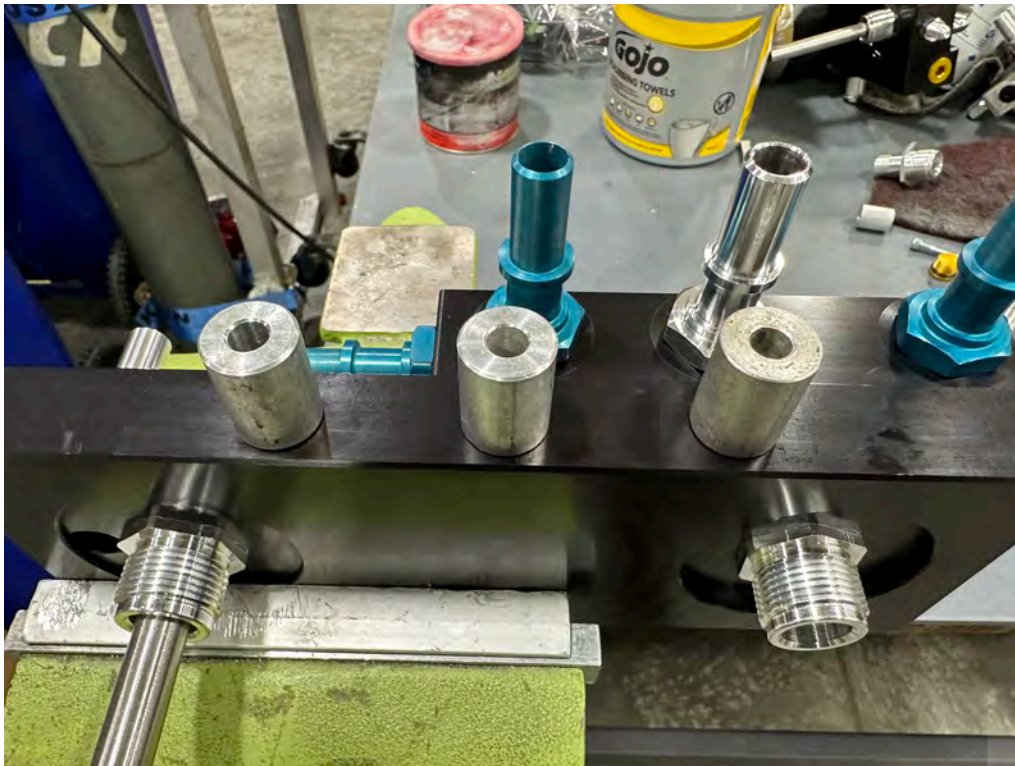
F. If your truck has a straight quick connect return fitting on the OEM fuel conditioning module as seen below, install 22S-A08 into the frontward return port on the FASS and tighten accordingly.



G. Install 8-ORB-500-QC, 8-ORB-12MM-QC, and DT-8-ORB-500-QC into the filter base as shown. Tighten all fittings accordingly.



H. Place the three WA-1001D spacers onto the filter base then secure FRD-DIFS-BRK-1001 with the supplied three 1/4-20x1.75 bolts. Tighten accordingly.



- I. Install the FASS assembly onto the mounting bracket just as the fuel conditioning module was mounted. Install the bolt and tighten accordingly.



J. Connect the four factory fuel lines to the FASS assembly using the instruction at the beginning of this manual.



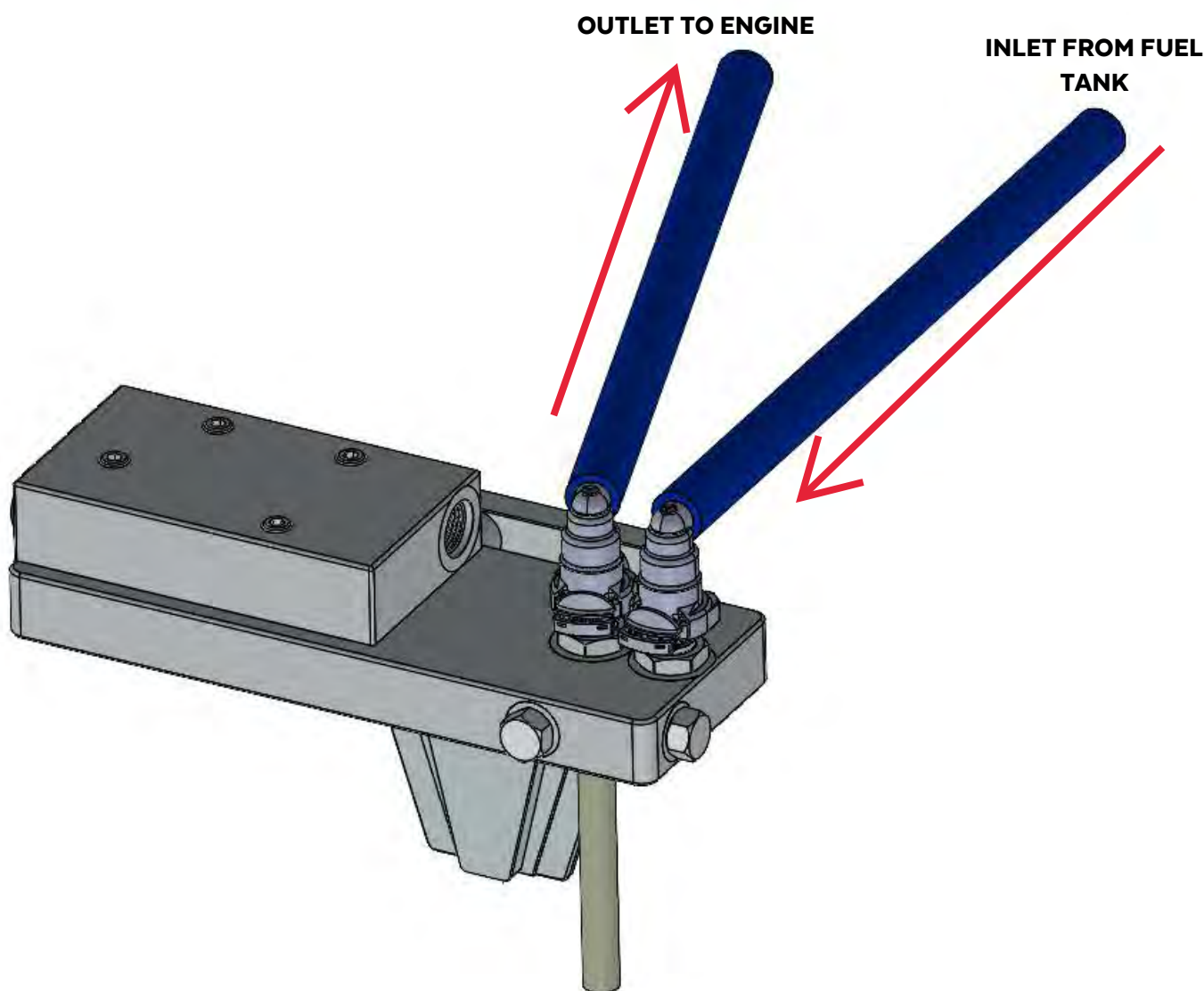
K. Install the 1/8" NPT plug into PLB-500-1E-NPT and tighten accordingly.



L. Using grease, Install A624C56-55-05 into one end of FL-1002 with hose clamp HC-1001 and tighten the hose clamp carefully.



NOTE:
THE BELOW DIAGRAM WILL ASSIST IN
PLUMBING THE FASS SYSTEM!



M. Connect the fuel line assembled in the previous step to the INLET side of the FASS assembly. The inlet is the fitting toward the OUTSIDE of the filter base



N. Install PLB-500-1E-NPT into the fuel feed line as shown. Trim the fuel line installed in the previous step to length, then using grease press onto PLB-500-1E-NPT.



O. Using grease, install A624C56-55-05 into the remaining section of FL-1002 with hose clamp HC-1001. Tighten the hose clamp accordingly.



P. Connect A624C56-55-05 onto the OUTLET port of the FASS System, this will be the fitting with the drop tube.



Q. Install A624C56-55-05 onto the OEM feed line as shown. Trim FL-1002 to length, then using grease install onto A624C56-55-05 with hose clamp HC-1001. Carefully tighten HC-1001. Secure all of the fuel lines with the supplied cable ties.



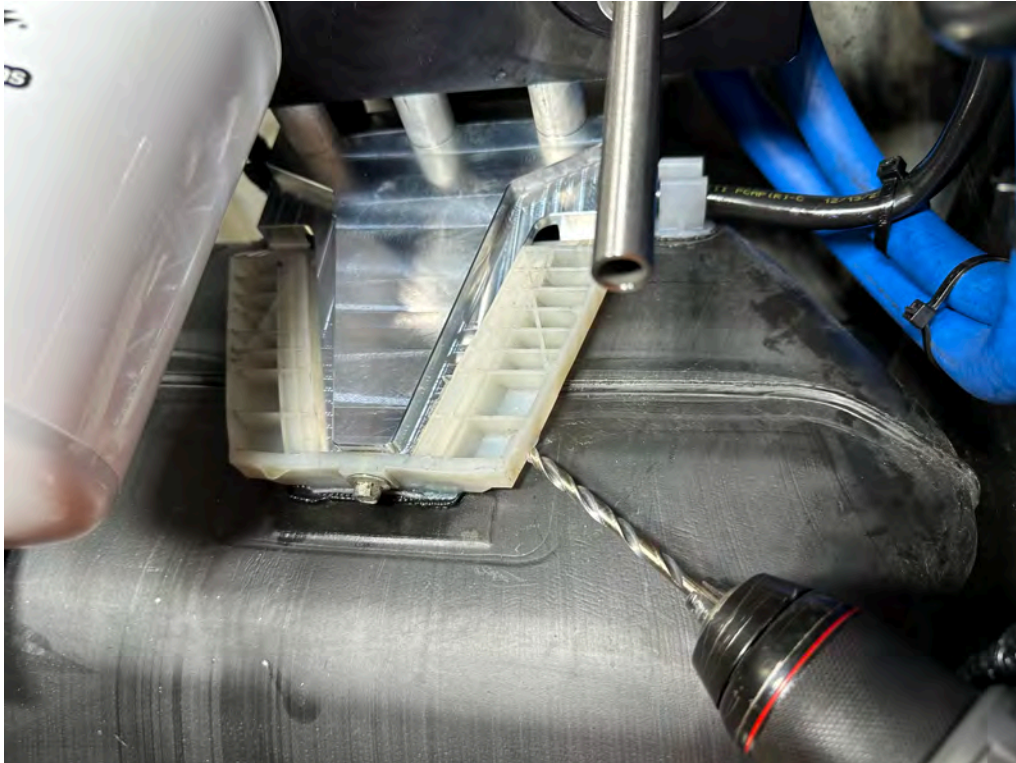
R. Apply grease to the CWS1010, then thread onto the filter nipple that DOES NOT have the drop tube.



S. Install the supplied WIF sensor into CWS-1010, then connect DIFS-FRD-WH-1001 to the WIF sensor and the OEM harness.



T. A small hole can be CAREFULLY drilled in the bracket as shown as an optional method of securing the wire harness.



U. Apply grease to XWS-3002XL, then install onto the FASS and tighten accordingly. The truck can now be started and checked for leaks! Please note, the truck might have an extended crank time during the priming process.





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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.

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.