INSTALLATION MANUAL

DRP SERIES

APPLICATION:

DRP 04 (70gph @ 18psi)

Dodge Replacement

2003-2004

4 YEAR WARRANTY AVAILABLE

PICKUP

FASS® Fuel Systems

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 back of Install manual for full Limitations 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.

INSTALLATION MANUAL

Follow these steps to ensure a simple installation of your new FASS DDRP

1. Having a ***retrofitted in-tank life pump*** slightly changes your needs with the FASS DDRP . You will also need a STK (Suction Tube Kit) from FASS to allow the fuel to be drawn to the new DDRP.
2. Inventory the package components completely. Notify the place of purchase immediately of any parts missing or damaged.
3. ***Read the installation manual completely before attempting installation. Understand how the system operates and read installation recommendations before beginning installation.***
4. The installation recommendations contained herein are guidelines. Its important to understand your vehicles accessories and limitations. Use good judgment and take in to consideration your vehicles' accessories.
5. 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 **(DDRP 04)**
   - Serial Number
   - Last 6 of vehicles' VIN
   - Date of purchase
   - Nature of Your Concern

   Call customer service; 636-433-5410 with the following information:

   - Model **(DDRP 04)**
   - Serial Number
   - Last 6 of vehicles' VIN
   - Date of purchase

DDRP SERIES

70 GPH
18 PSI (APPROXIMATELY)

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

INSTALLATION

Step 1: Remove Factory Lift Pump
Step 2: Mount Pump
Step 3: Install Fuel Line
Step 4: Review Installation

CONTENTS

BF-4001

QD-1001

DIPF-1001

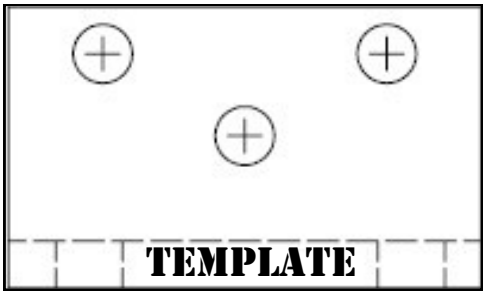
PL-1003

HC-1001

Hex Bolt 5/16-18x1/2

Self Tapping Screws

BB-4001

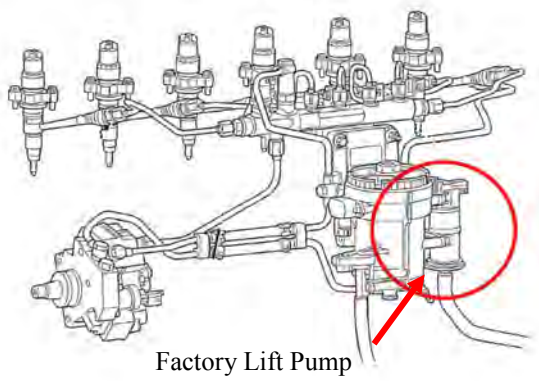


THE FASS'S DDRP 04 SERIES IS A COMPLETE REPLACEMENT FOR THE STOCK LIFT PUMP (2003 – 2004 DODGE)

Requires a FASS suction tube kit if truck has been retrofitted with an in tank fuel pump. Call for assistance.

What you will need:

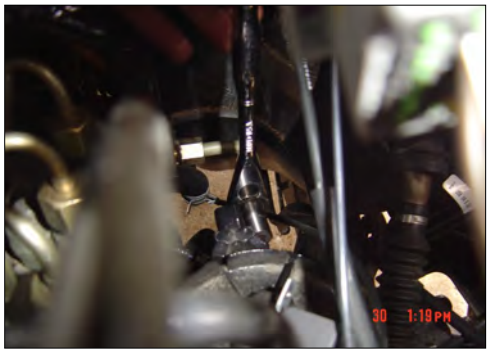
- Angle Drill and Drill Bits
- Air Ratchet & Sockets
- Metric Wrenches
- Allen wrenches or sockets
- Razor Knife



STEP 1: REMOVE FACTORY LIFT PUMP

A. Disconnect battery before beginning installation. Unplug factory lift pump electrical connection and drain factory filter housing by rotating the yellow drain valve counter-clockwise (towards you). **Use a drip pan under factory filter housing to catch excess** Slightly loosening the black lid may help with faster draining.

B. Disconnect factory fuel pump from the side of the factory filter housing using a 5mm Allen head socket. Keep the top two Allen bolts and the O-ring from the inlet port. These will be re-used.



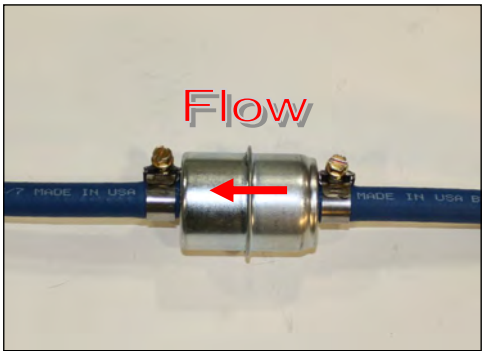
C. Disconnect the factory feed line at the frame by pinching in on the blue tabs. The factory lift pump can now be lifted out and removed. Remove the blue locking tab from the factory fuel line and discard.

STEP 2: MOUNT DDRP

A. Attach the FB-4001 bracket to the DDRP using the supplied 5/16" Hex head bolts. Locate the DDRP between the driver's side frame rail and starter and check for clearances. **When locating the DDRP, make sure there is clearance from any moving parts including suspension, steering, and aftermarket components.** Using the template or bracket, mark the 3 mounting holes to the frame. Remove bracket from DDRP.

B. Drill 3 pilot holes at the marked location. Secure bracket to frame using the provided self-tapping screws.

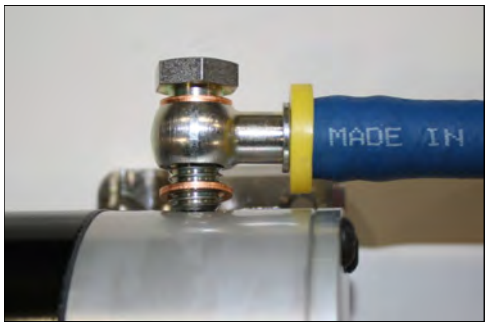
NOTE: Hose clamps are not recommended for push lock fittings. They will hold up to 300psi! Use oil on fittings and inside fuel line when installing Push-Lok fittings



C. Measure from the front of the installed FB-4001 bracket to the factory fuel line on the frame. Cut the provided FL-1001 fuel line to length and insert a BF-4001 banjo fitting using oil. Insert the QD-1001 quick disconnect with a HC-1001 clamp. Measure between the fittings and insert the FF3270 using two HC-1001 clamps making sure the arrow on the filter is in the direction of the flow.

Note: Inline filter will need to be replaced every 6,000 miles.

D. With the remaining fuel line, insert a BF-4001 using oil. Attach to the outlet port of the DDRP with the supplied banjo bolt using supplied copper washers on each side of the banjo fitting. Point the fuel line towards the back of the pump and slightly up as shown to clear the mounting bracket. Torque to 18 lbs./ft.



STEP 3: MOUNT DDRP

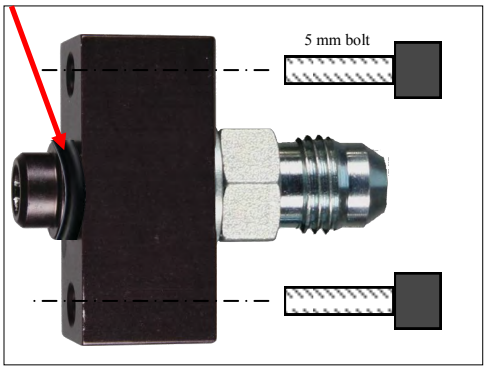
A. Mount DDRP/fuel line assembly to the FB-4001 bracket using three 5/16” bolts. **The use of Loctite on mounting bolts is recommended.** Make sure the outlet fuel line is pointing up to the factory filter housing.

F. Install the short fuel line/filter assembly into the DDRP’s inlet port using the supplied banjo bolt and copper washers. Oil O-rings inside QD-1001 and slide over factory fuel line until you hear a click. Torque banjo bolt to 18 lbs./ft..

G. Attach WE-1007 wire extension to the DDRP plug. Route the extension with the FL-1002 towards the factory electrical connection.

VERY IMPORTANT: MOTOR MUST BE MOUNTED HORIZONTALLY WITH THE MOUNTING BRACKET TOP SIDE IN ORDER TO MAINTAIN PROPER WARRANTY STATUS AND PROTECT THE MOTOR. THUS PLACING THE WEEP HOLE BOTTOM SIDE AND KEPPING MOISTURE FROM DAMAGING THE MOTOR.

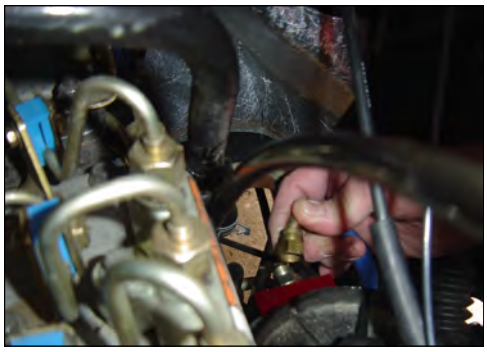
STEP 3: INSTALL FUEL LINE



A. Attach the DIPF-1001 to the FP-1001. Reuse the O-ring from Step 1b. Torque to 18 lbs./ft.

B. Install the Filter Plate assembly in factory filter housing inlet port using the 2 Allen head bolts from Step 1b. Torque to 8ft/lbs.

C. Measure and cut fuel line to the inlet port of the factory filter housing. Install the PL-1003 90 degree fitting using oil.



D. Attach the PL-1003 to the DIPF-1001 on the factory filter housing inlet. Torque to 18 lbs./ft.

E. Double check all fittings and hoses. Plug in the WE-1007 wire extension to the factory electrical connection.

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

STEP 4: 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?
- 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 4 Year 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 16240 Hwy O Suite B Marthasville, MO 63357

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 PROMPLY 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.
16240 State Hwy O Suite B
Marthasville, MO 63357
636-433-5410