

INSTALLATION MANUAL

DDRP SERIES



APPLICATION:

DDRP 02

Dodge Replacement

1998.5-2002



PICKUP



REVISED 4/05/11

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!

STEPS TO CUSTOMER SATISFACTION

We expect every FASS System to exceed your expectation. Customer satisfaction, your satisfaction, is the all-important ingredient for success to our business, as it is in any other.

Normally, technical issues can be resolved by your dealer's service department, as they can usually inspect the situation physically. If you're not satisfied with the dealership's response you can either email or call FASS.

Email Techsupport@FASSride.com with the following information:

Your Name, address and daytime phone number
Model and Serial Number (Not Motor Number)
 Example: Model – DDRP 02 Serial: 00125966
Vin Number of Vehicle
Date of purchase
Nature of Problem

Call customer service; to better assist you please gather the following information before calling:

Model and Serial Number (Not Motor Number)
 Example: Model – DDRP 02 Serial: 00125966
Vin Number of Vehicle
Date of purchase

DIRECT DODGE REPLACEMENT PUMP INSTALLATION INSTRUCTIONS

The FASS's DDRP series is a complete replacement for the stock lift pump (1998.5 – 2002 Dodge)

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

Included with DDRP:

- **DDRP**
- **In-Line Fuel Filter**
- **2 Hose Clamps**
- **3 Mounting Bolts**
- **12" of 3/8" Fuel Line**
- **2 Banjo Fittings**
- **4 Banjo Washers**
- **Flathead Allen Set Screw**

Needed:

- 3 Banjo Bolts and 6 Washers (from existing stock pump)
- 17mm wrench for the removal of the banjo bolts
- 10mm wrench for the removal of the fuel line retainer and factory pump studs
- 1/8" allen

1. Cut the suction side plastic fuel line about 8" before it enters the stock fuel pump, leaving space to insert the in-line fuel filter. Use the hose clamps to secure fuel line to the filter.



2. Remove the banjo bolt, located on the back side of the stock fuel pump. After removing the rear banjo bolt you must remove the fuel line retainer that attaches to the factory bracket. It is easier to remove the line on the back of the filter element before removing the final banjo bolt (this will save knuckles and o-rings).
3. With the 10mm tool of your choice, remove the three studs on the bracket that holds the fuel pump in place.

4. Once the pump is loose from the bracket you need to disconnect the electrical connector located on the base of the pump (as pictured below). Now you can remove the factory pump from the truck completely.



5. With the factory pump out of the truck you can remove the fuel line with the 17mm wrench.

Note: Before next step spray some WD-40 into the inlet port of the pump (or comparable), to help prevent gear wear while priming.

6. Bolt the factory fuel line into the inlet port, using the banjo bolt and 2 washers. Loose assemble at this time, making sure the support arm of the fuel line is located between the mounting plate and pump motor of the DDRP.



7. Using the 10 x 32 tapered flathead cap screw, locate the mounting hole of the support arm around this bolt while threading.

8. While tightening the inlet banjo bolt, hold the fuel line support bracket firmly against the top of the pump motor. Following this method of assembling the fuel line to the inlet port of the DDRP will help insure against the loosening of fuel fittings.



9. Now slide the DDRP into the factory location. Once the DDRP is in position use the included mounting bolts to bolt it in place.



10. Once the mounting bolts have been tightened you can assemble the fuel line from the DDRP to the inlet of the factory fuel filter housing. Note: Early models will have the inlet/outlet ports on top of the filter housing (picture A), while later models will have the inlet port on the firewall side of the filter head (picture B).

A



B



11. Spray WD-40 on the push lock portion of the banjo fitting and on the inside diameter of the fuel line before inserting the push lock into the fuel line. Assemble this banjo fitting to the outlet port of the DDRP using the banjo bolt and 2 washers.



12. Measure and cut the opposite end of this fuel line to the inlet port of the factory fuel filter housing, top (early model) or top side (later model). Assemble into this port using the assembly instruction in the previous step.



13. After everything is good and tight you can now plug the DDRP into your factory wiring harness.



To insure our extended 4 year warranty be sure to send completed warranty information in to FASS Fuel Systems 16240 Hwy o Suite B Marthasville, MO. 63357, with a copy of your receipt.

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 subject 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”

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

