

## FASS RK-02

# FASS RK-02 Relocation Kit Instruction Manual

Model: RK-02

## 1. INTRODUCTION

The FASS RK-02 Relocation Kit is designed to reposition your DRP DRP02 fuel pump closer to the vehicle's fuel tank. This strategic placement reduces the distance the lift pump must pull fuel under vacuum, allowing it to push fuel under pressure to your Cummins engine more efficiently. This configuration helps extend the lifespan of the fuel pump, as pumps operate more effectively when pushing fuel rather than pulling it over long distances.

## 2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before beginning any installation or maintenance.
- Ensure the vehicle is on a stable, level surface and properly supported with jack stands.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Fuel is highly flammable. Work in a well-ventilated area away from open flames or sparks.
- Refer to your vehicle's service manual for specific procedures related to fuel system components.

## 3. PACKAGE CONTENTS

Verify that all components listed below are present in your FASS RK-02 Relocation Kit before beginning installation.



**Image Description:** This image displays all components included in the FASS RK-02 Relocation Kit. Visible items include a coiled black wiring harness, a black L-shaped mounting bracket with three self-tapping screws, four small hose clamps, a long coiled blue fuel line, a small inline fuel filter, and various metal fuel fittings (straight and angled).

- Wiring Harness
- Fuel Line (Blue)
- Mounting Bracket
- Self-Tapping Screws (for bracket)
- Hose Clamps
- Inline Fuel Filter
- Various Fuel Fittings

## 4. INSTALLATION INSTRUCTIONS

## 4.1. Preparation

1. Park the vehicle on a level surface and engage the parking brake.
2. Disconnect the negative terminal of the vehicle's battery.
3. Relieve fuel system pressure according to your vehicle's service manual.
4. Gather all necessary tools, including wrenches, screwdrivers, and a drill.

## 4.2. Relocation Kit Installation

1. **Locate Mounting Position:** Identify a suitable location on the vehicle's frame rail, closer to the fuel tank, for mounting the DRP DRP02 fuel pump. Ensure there is adequate clearance and that the location will not interfere with moving parts or be exposed to excessive road debris.
2. **Install Mounting Bracket:** Secure the provided mounting bracket to the chosen frame rail location using the self-tapping screws. Ensure the bracket is firmly attached and stable.
3. **Mount Fuel Pump:** Attach your DRP DRP02 fuel pump to the newly installed mounting bracket. Follow the pump manufacturer's instructions for secure attachment.
4. **Route Fuel Line:** Carefully route the blue fuel line from the fuel tank to the inlet of the relocated fuel pump, and from the pump's outlet to the engine's fuel system. Avoid kinks, sharp bends, and areas where the line could be chafed or damaged. Use the provided hose clamps to secure connections.
5. **Install Inline Fuel Filter:** Integrate the inline fuel filter into the fuel line as specified by the pump or vehicle manufacturer, typically between the fuel tank and the pump inlet. Ensure the flow direction is correct.
6. **Connect Wiring Harness:** Connect the new wiring harness to the relocated fuel pump and integrate it into the vehicle's electrical system as per the pump's wiring diagram. Ensure all electrical connections are secure and protected from moisture and abrasion.
7. **Secure Lines and Wires:** Use zip ties or other appropriate fasteners to secure all fuel lines and wiring harnesses, preventing them from hanging loose or contacting hot or moving components.
8. **Final Checks:** Double-check all connections for tightness and proper routing. Ensure no fuel leaks are present.
9. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.
10. **Test System:** Turn the ignition to the 'ON' position (without starting the engine) to allow the fuel pump to prime. Check for any fuel leaks. Start the engine and monitor for proper operation and any unusual noises or warning lights.

## 5. OPERATION

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Once installed, the FASS RK-02 Relocation Kit facilitates the optimal operation of your DRP DRP02 fuel pump by positioning it closer to the fuel tank. This allows the pump to operate more efficiently by pushing fuel under pressure, rather than pulling it over a longer distance. The system operates automatically with your vehicle's ignition, ensuring consistent fuel delivery to your Cummins engine.

## 6. MAINTENANCE

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- **Regular Inspection:** Periodically inspect all fuel lines, connections, and wiring for signs of wear, leaks, or damage.
- **Filter Replacement:** Replace the inline fuel filter according to the manufacturer's recommendations or if signs of clogging (e.g., reduced fuel flow, engine performance issues) are observed.

- **Mounting Security:** Check the mounting bracket and pump for secure attachment, especially after driving on rough terrain.

## 7. TROUBLESHOOTING







Symptom	Possible Cause	Solution
Fuel Leakage	Loose connections, damaged fuel line, faulty fitting.	Tighten all connections. Inspect fuel lines and fittings for damage and replace if necessary.
No Fuel Pump Operation	Loose electrical connection, blown fuse, faulty wiring harness.	Check all wiring harness connections. Inspect vehicle fuses. Test for continuity in the wiring.
Reduced Engine Performance	Clogged fuel filter, air in fuel line.	Replace the inline fuel filter. Bleed air from the fuel system if applicable.
Unusual Noises from Pump	Air in fuel system, pump cavitation, loose mounting.	Ensure fuel tank is not low. Check for air leaks in the suction line. Verify pump is securely mounted.

## 8. SPECIFICATIONS

Feature	Detail
Brand	FASS
Model Number	RK-02
Product Dimensions	Approximately 14 x 14 x 4 inches (packaging)
Item Weight	Approximately 2 pounds
Lift Type	Electric (for compatible pumps)
Compatibility	Designed for FASS DRP DRP02 pumps on Cummins engines

## 9. WARRANTY AND SUPPORT

For specific warranty information regarding your FASS RK-02 Relocation Kit, please refer to the documentation provided with your purchase or visit the official FASS website. For technical support, installation assistance, or to inquire about replacement parts, please contact FASS customer service directly. Keep your proof of purchase for warranty claims.

	<p><a href="#">FASS Titanium Series Fuel System Installation Manual for Cummins Diesel Trucks</a></p> <p>Comprehensive installation guide for the FASS Titanium Series fuel system, designed for Cummins 5.9L/6.7L 24 Valve diesel pickup trucks (2005-2016 and 1998.5-2004). Includes step-by-step instructions, parts list, warnings, and filter cross-references.</p>
	<p><a href="#">FASS Titanium Series Fuel Pump Installation Manual</a></p> <p>Comprehensive installation manual for the FASS Titanium Series fuel pump system, designed for Cummins 5.9L 12 Valve engines (1989-1993) with VE Pump. Includes detailed steps, warnings, parts lists, and application information.</p>
	<p><a href="#">FASS Titanium Signature Series Plus Installation Manual for Duramax 2015-2016</a></p> <p>Comprehensive installation manual for the FASS Titanium Signature Series Plus fuel system, designed for Duramax 2500 &amp; 3500 pickup trucks (2015-2016). Includes application details, warranty information, and step-by-step installation guidance.</p>
	<p><a href="#">FASS Titanium Signature Series Installation Manual for Ford Powerstroke</a></p> <p>Detailed installation manual for FASS Titanium Signature Series diesel fuel pump systems (TS-F14-220G, TS-F14-240G) for 1999-2007 Ford Powerstroke 7.3L and 6.0L trucks. Includes parts list, step-by-step instructions, and warranty information.</p>
	<p><a href="#">FASS Titanium Series Fuel System Installation Manual</a></p> <p>Comprehensive installation manual for the FASS Titanium Series Fuel System, providing step-by-step guidance for Duramax 2500/3500 (2006-2010) and C10 applications. Includes safety warnings and part details.</p>
	<p><a href="#">Parker Racor 120A and 120B Series Fuel Filter/Water Separators</a></p> <p>Detailed information on Parker Racor 120A and 120B Series Fuel Filter/Water Separators, including specifications, installation, maintenance, troubleshooting, replacement parts, and accessories. Features include 99% water removal, Aquabloc media, and various flow rates.</p>



## [\[pdf\]](#) User Manual Installation Guide Instructions Guide Accessories

FASS Fuel Systems Parts Installation Instructions performance fuel system parts injection systems pumps injectors tanks cells rails pressure regulators nitrous throttle bodies carburetors control modules diesel lines fittings hoses gauges water methanol CARiD 5 Using the BR 4001 Mounting Bracket as a guide drill one self tapping screw through bracket to hold in place Install two remaining screws 2 PL 1003 90° fitting into new line using oil on and inside 3 Attach DIPF 1001 installed side or top of filter housing Torque 18ft lbs 1 rk 02 installation instructions images carid fass items

INSTALLATION MANUAL ACCESSORY: Relocation Kit DDRP 02 Dodge Cummins 1998.5 - 2002 Contents FL-1001 x14 FB-4001 WE-1007 FF-3270 HC-1001 PL-1003 DIPF-1001 QD-1001 Self Tapping Screw Before you get started 1. The contents of this kit were designed to be used in conjunction with the parts in t...

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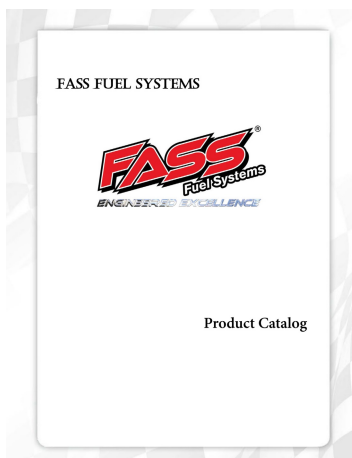


## [\[pdf\]](#) User Manual Accessories

Stephanie INSTALLATION MANUAL RK 1002 2 Using the manual that came with your DDRP is recommended Visit FASSride to or call FASS Technical Support for further assistance 3 The may be relocated anywhere between stock location and tank Alt hough this installation shows pump located on inside of frame you fas rk 02 1 smhttp ssl 69735 nexcesscdn net media

INSTALLATION MANUAL RK-1002 ACCESSORY: Relocation Kit DDRP 02 Dodge Cummins 1998.5 - 2002 Contents FL-1001 x14 FB-4001 WE-1007 FF-3270 HC-1001 PL-1003 DIPF-1001 QD-1001 Self Tapping Screw Before you get started 1. The contents of this kit were designed to be used in conjunction with the pa...

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## [\[pdf\]](#) Warranty Accessories Catalog

FASS Fuel Systems Parts Catalog performance fuel system parts injection systems pumps injectors tanks cells rails pressure regulators nitrous throttle bodies carburetors control modules diesel lines fittings hoses gauges water methanol CARiD The Titanium Series is our most versatile System It the 1 pump used for pickup and lass 8 drivers Its small compact design allows you to tuck closer frame fass catalog images carid items

FASS FUEL SYSTEMS 2 Table of Contents pgs. CLASS 8 1-4 Dodge Titanium Series 1 Platinum ... 33283 Heater Element Replacement heater element for the Heater Kit HK-1001 17 Pg 15 18 Pg 16 **RK-02** Relocation kit designed to work with the DRP 02. This kit allows the user to mount the DRP pum...

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