

Installation Manual  
P/N 0306JAKE



2003-07 DODGE CUMMINS  
**GDP Jacobs Big Line Kit**

Installation Instructions

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GDP Jacobs Big Line Kit Installation

**PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION**

## **Safety Guidelines!**

**WARNING!** Always secure the vehicle from rolling.

**WARNING!** Always disconnect vehicle batteries before working on electrical components.

**WARNING!** Always wear safety glasses when operating power tools such as drills and grinders or using punches and chisels.

**WARNING!** Always properly secure fuel lines and wiring to prevent chaffing.

**WARNING!** Always have a fire extinguisher available when working with fuel systems.

**PLEASE WORK SAFELY!**

## Jacobs Big Line Kit Contents



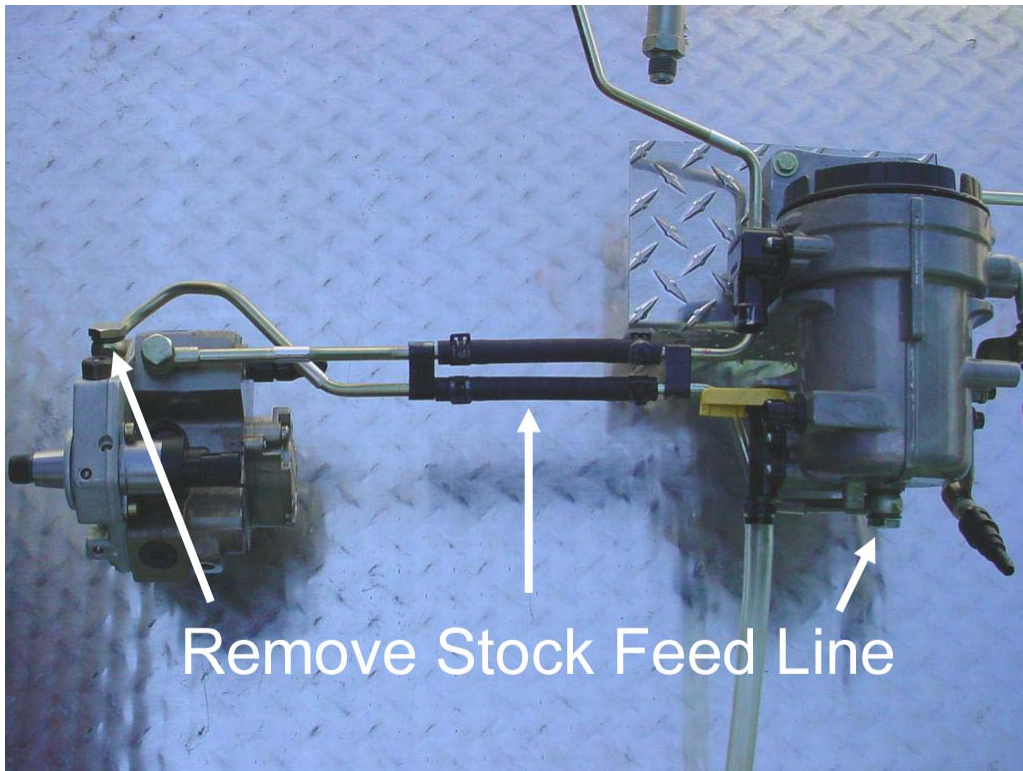
<u>Qty</u>	<u>Item Description</u>
1	3/8" Pressure Sender Tee
1	90° PushLok to #6 JIC Fitting
1	Metric to JIC Stainless Adapters
3	Cummins Sealing Washers
1	High Flow Banjo Bolt
1	3/8" PushLok x 12mm Banjo Fitting
1	4' Parker 3/8" PushLok Hose
2	3/8" Hose Clamps (not shown)

Please check your parts inventory against the above parts list before beginning your installation.

## Preparation

- 1) Secure vehicle from rolling.
- 2) Disconnect both batteries.
- 3) Raise vehicle and support safely if needed.
- 4) Drain fuel filter housing into an approved container via the water/fuel separator.

## Jacobs Big Line Installation

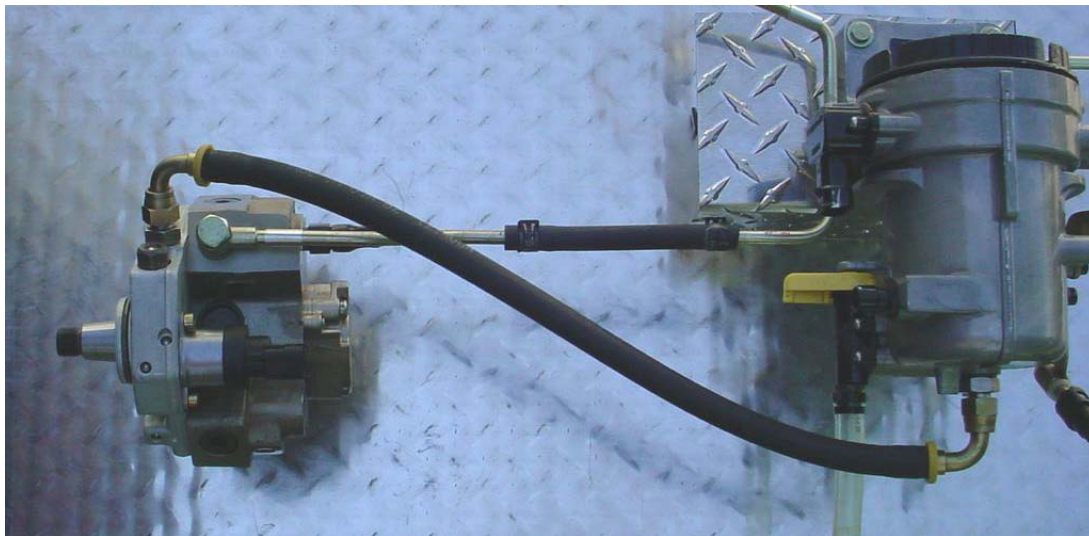


- 5) Completely remove the stock feed line and banjos from the bottom of the filter housing to the injection pump.

- 6) Install the stainless adapters in the bottom of the fuel filter housing as shown. Use a single Cummins sealing washer on the adapter making sure that the sealing washer is seated on the shoulder of the adapter.
- 7) Install a 90° PushLok fitting in one end of the supplied hose.
- 8) Attach this fitting to the adapter in the bottom of the filter housing and tighten.
- 9) Loosely install the banjo bolt and banjo PushLok fitting in the injection pump inlet.



- 10) Cut the hose to length. Remove the PushLok banjo fitting from the injection pump inlet and install in the end of the hose coming from the bottom of the fuel filter. Install the fitting at the injection pump inlet using the supplied High Flow Banjo bolt and new Cummins sealing washers. Tighten the banjo bolt.
- 11) Your completed installation will be similar to the standard Big Line Kit shown below. The difference will be the banjo connection at the injection pump inlet instead of the 90° fitting shown.



- 12) If access is needed for a fuel pressure sender the supplied sender tee can be installed anywhere along the new feed line. Cut the new line, install the aluminum tee and secure with the supplied clamps.

## Finishing Up

- 13) Secure all hoses.
- 14) Prime the system by bumping the starter but do not allow the vehicle to start. Wait 20 seconds or until the pump shuts off. Repeat this step three times to purge all air from the fuel system.
- 15) Start the engine and verify fuel pressure.
- 16) Check all connections for leaks and make sure all hoses are clear of moving parts.
- 17) Test drive the vehicle.

If you have any problem or questions please contact Glacier Diesel Power at 509-993-4923.

Thank you for your business and I look forward to helping you with your future accessory needs.

Sincerely,

Richard Martin  
Glacier Diesel Power

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