

Installation Manual
P/N 0306-TCP3



2003-07 DODGE CUMMINS
GDP Twin CP-3 Big Line Kit

Installation Instructions

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GDP Twin CP-3 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!

Twin CP-3 Big Line Kit Contents



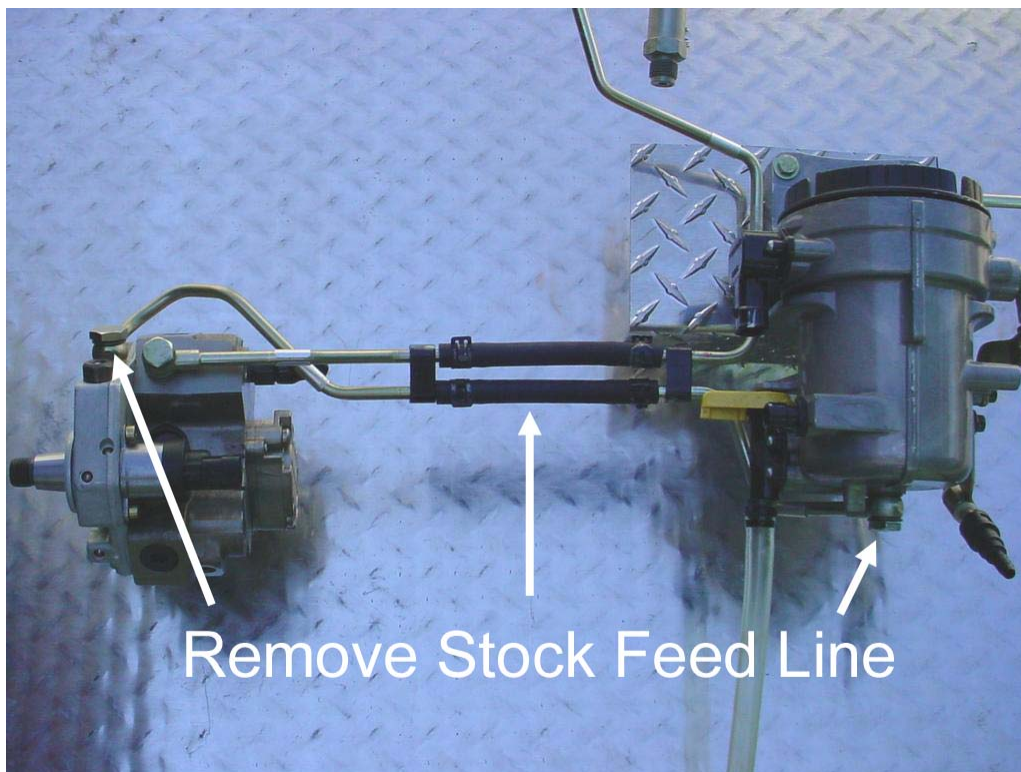
<u>Qty</u>	<u>Item Description</u>
3	90° PushLok to #6 JIC Fitting
3	Metric to JIC Stainless Adapters
3	Cummins Sealing Washers
1	10' Parker 3/8" PushLok Hose
2	3/8" Hose Clamps
1	Sender Tee
3	JIC to 3/8" PusLok Fittings
1	JIC Tee Fitting

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

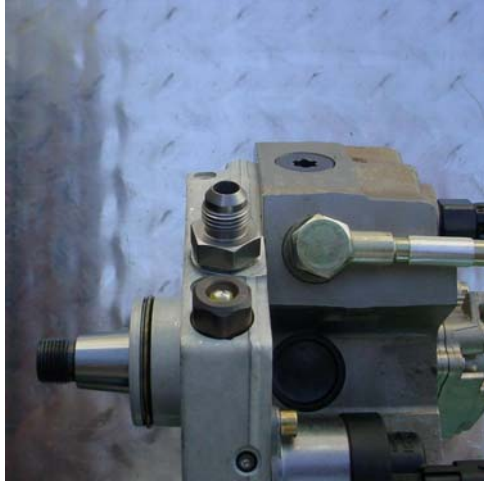
Preparation

- 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.

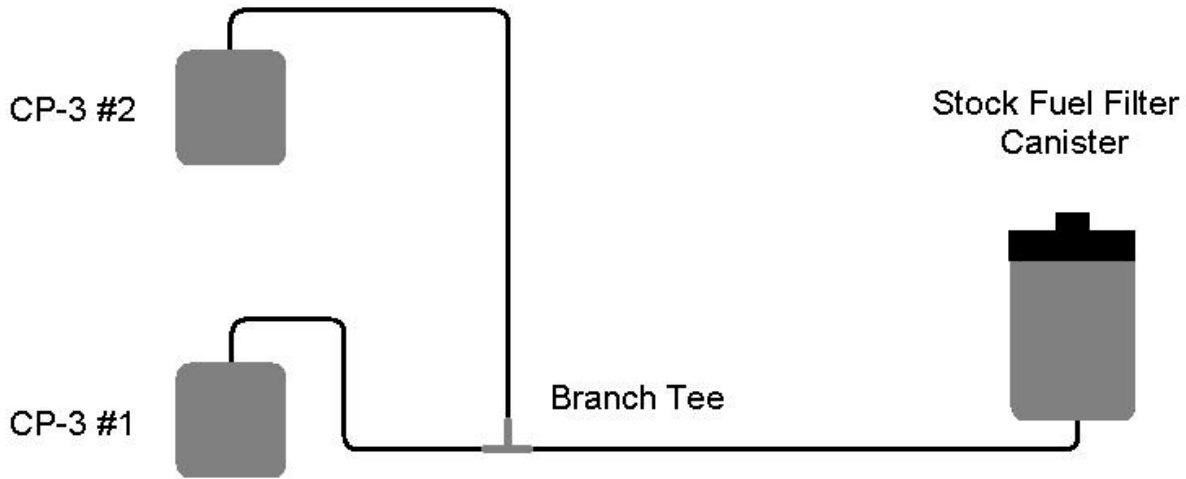
Big Line Installation



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



- 6) Install the stainless adapters in both injection pump inlets and the bottom of the fuel filter housing as shown. Use a single Cummins sealing washer on each 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 attach the 90° fittings to the adapters installed at the injection pump inlets.
- 10) Route the hose forward to the lower injection pump and cut the hose to length. Remove the 90° fitting from the lower injection pump adapter. Install in the end of the hose coming from the bottom of the fuel filter. Reconnect the 90° fitting to the lower injection pump adapter and tighten.
- 11) Choose a location for the branch tee fitting. Remove a section of the hose that is long enough to install the branch tee fitting and PushLok JIC fittings. Attach on end of the remaining hose to the upper leg of the branch tee and route the line up to the second CP-3. Cut the hose to length. Remove the 90° fitting from the upper injection pump adapter. Install in the end of the new hose.
- 12) Reattach the 90° PushLok fitting to the metric adapter at the upper CP-3 and tighten.
- 13) 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. A hose routing diagram is shown on the next page.



Twin CP-3 Hose Routing Diagram

Finishing Up

- 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

GLACIER DIESEL POWER
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