

Installation Manual  
P/N MK27509-BLK



'07.5-'09 DODGE CUMMINS  
**MK-2 Micro-Kleen System**  
**+ Big Line Kit**

Installation Instructions

P/N MK27509-BLK

2 Micron Fuel Filter with 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.

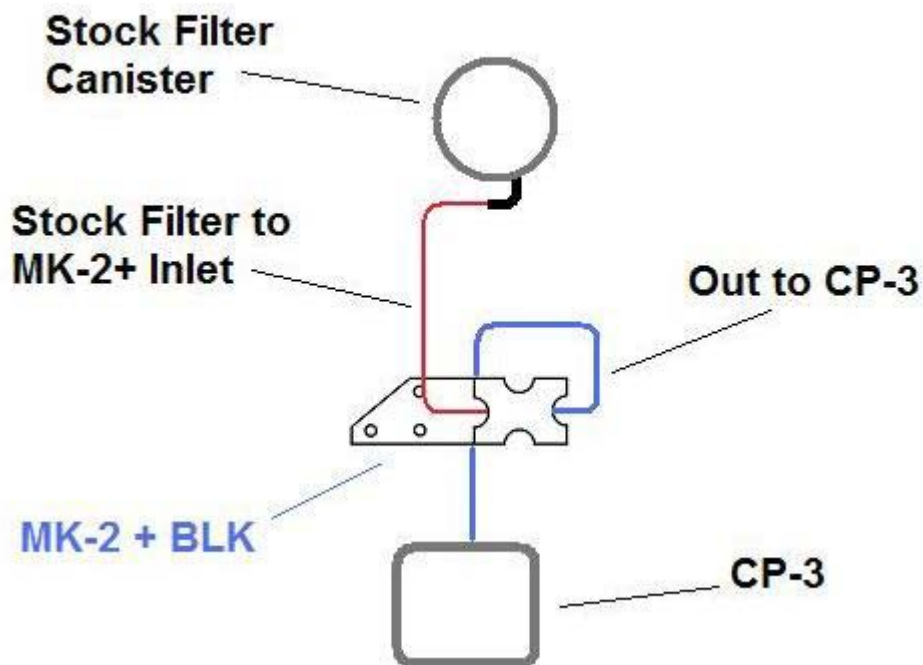
**WARNING!** Always wear safety glasses when operating power tools such as drills and grinders or using punches and chisels.

**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!

### 6.7L MK-2 + BLK House Routing



## MK-2 Micro-Kleen + Big Line Contents



### Qty Item Description

- 1 GDP 6.7L Mounting Bracket
- 1 Optional Red Backing Plate
- 3 10mm Mounting Bolts
- 1 Fleetguard Filter Head
- 1 Fleetguard FF5320 2 micron Fuel Filter
- 4 3/8" Mounting Bolts and Lock Washers
- 1 Straight FJIC x 3/8" PushLok Fitting
- 3 90° FJIC x 3/8" PushLok Fittings
- 2 1/2" MPT x MJIC Adapters
- 2 GDP Stainless Metric Adapters with O-rings
- 1 GDP Aluminum Sender Tee
- 2 3/8" Hose Clamps
- 1 8' Section 3/8" Parker PushLok Hose

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

## Preparation

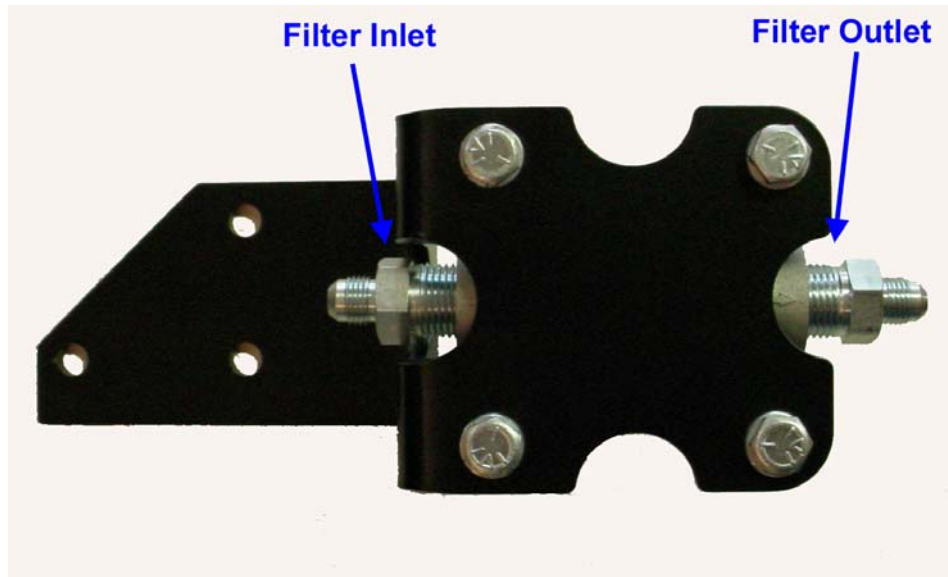
- 1) Secure vehicle from rolling.
- 2) Disconnect both batteries.
- 3) Raise vehicle and support safely if needed.
- 4) Drain fuel filter housing into an approved container via the water/fuel separator.
- 5) Prepare for your installation by removing the plastic cover plate and EGR crossover tube.
- 6) Remove the factory feed line and fittings from the stock filter canister to the CP-3 inlet.



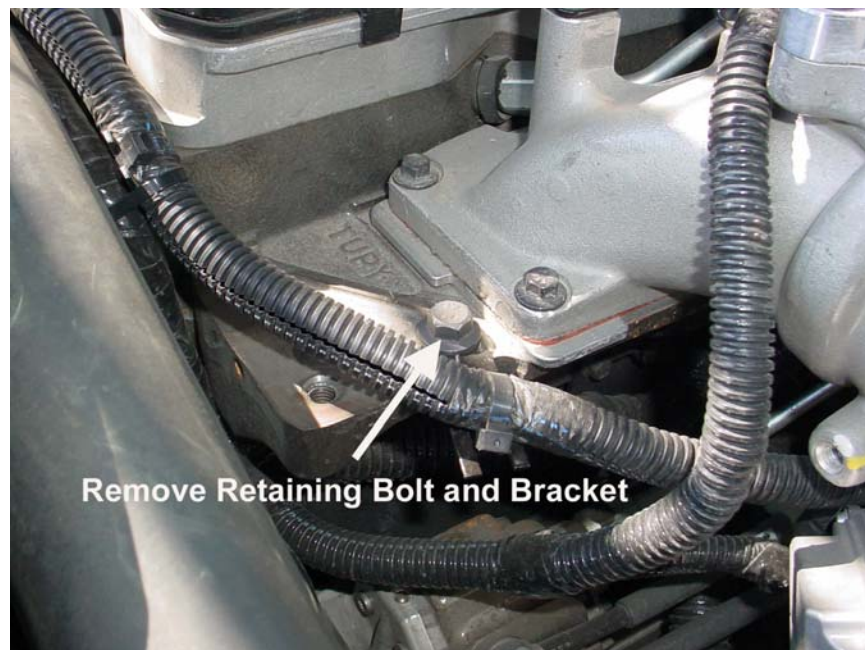
## MK-2 + Big Line Installation

- 7) Install 1 metric adapter in the stock filter canister outlet and tighten. Install 1 metric adapter in the CP-3 inlet and tighten.
- 8) Install the MJIC adapters in the filter head using thread sealant or thread tape and tighten.
- 9) Assemble the filter head to the bracket using the supplied 3/8" mounting bolts and lock washers as shown. Optional red backing plate may be installed at this time. Make sure that the flow direction arrows will be facing the outside of the vehicle when mounted and the port marked "Inlet" will be facing the engine.

Reference Photo Shown on Page 5



- 10) Remove the wiring harness bracket shown. Install the MK-2 bracket to the cylinder head using the supplied metric fasteners and tighten.



If needed refer to the routing diagram on page 2 for the next few steps.

- 11) Install one 90° PushLok fitting in the supplied hose making sure that it is fully seated. Connect this fitting to the adapter at the front of the stock fuel filter housing with the hose pointing up. Route this hose up to the engine side (inlet) of the MK-2.
- 12) Loosely install another 90° PushLok fitting on the adapter at the engine side inlet port of the filter head to measure for hose length. Angle the fitting straight back towards the stock filter housing. Measure the new hose coming from the front of the filter housing and cut to length. Install the 90° PushLok fitting in the end of the new supply line from the front of the stock filter. Reattach the 90° fitting to the inlet of the 2 micron filter head and tighten.
- 13) Install one straight PushLok fitting in the supplied hose making sure that it is fully seated. Connect this fitting to the adapter at the inlet side of the CP-3. Route this hose under and then up and over the intake horn to the outlet of the MK-2.
- 14) Loosely install another 90° PushLok fitting on the adapter at the outlet port of the filter head to measure for hose length. Angle the fitting straight back towards the stock filter housing. Measure the new hose coming from the CP-3 and cut to length. Install the 90° PushLok fitting in the end of the new line to the CP-3. Reattach the 90° fitting to the outlet of the 2 micron filter head and tighten.
- 15) Install the filter onto the head and tighten.

## Finishing Up

- 16) Reinstall the EGR crossover tube and plastic cover if removed for installation.
- 17) 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.
- 18) Start the engine and verify fuel pressure.
- 19) Check all connections for leaks and make sure all hoses are clear of moving parts.
- 20) Test drive the vehicle.

## Completed 6.7L MK-2+ Installation



Thank you for your purchase of the GDP 6.7L MK-2+ filter system. If you have any problem or questions please contact Glacier Diesel Power at 509-993-4923. Thank you for your business and we look forward to helping you with your future accessory needs.

Sincerely,

Richard Martin  
GDP

**GLACIER DIESEL POWER**  
**DISCLAIMER OF LIABILITY**

Other than as expressly set forth herein, Glacier Diesel Power (hereafter collectively, "SELLER") shall in no way be responsible for the PRODUCT'S proper use and service. In no event shall SELLER be liable for any special, incidental, indirect or consequential damages of any kind or nature, whether or not BUYER was advised of the possibility of damage, arising or resulting from the use or performance of the PRODUCT, and BUYER hereby waives any and all such claims.

BUYER acknowledges that he/she/it is not relying on SELLER'S skill or judgment to select or furnish goods suitable for any particular purpose and that SELLER has no liability that will extend beyond the scope of the limited warranty contained herein, and BUYER hereby waives all remedies or liabilities, expressed or implied, arising by operation of law or otherwise, (including, without limitation, any obligations of SELLER with respect to fitness for any particular purpose; merchantability; and special, incidental, indirect or consequential damages) or whether or not occasioned by SELLER'S negligence.

SELLER disclaims any warranty and expressly disclaims any liability for personal injury or damages related to BUYER'S use of the PRODUCT. BUYER acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and BUYER agrees to indemnify SELLER and hold SELLER harmless from any claim related to the PRODUCT and its use or performance. Under no circumstances will SELLER be liable for any damages, liabilities, costs or expenses incurred as a result of or by reason of the use, performance or sale of the PRODUCT, including, without limitation, any damages, liabilities, costs or expenses incurred by reason of BUYER'S negligence related to those uses of the PRODUCT.

SELLER assumes no liability regarding the improper installation or misapplication of the PRODUCT. It is the installer's responsibility to check for proper installation, and, if in doubt, contact the manufacturer.

**LIMITATION OF WARRANTY**

SELLER hereby provides the following 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.

The Warranty is Limited to one (1) year from the date of sale and limited solely to the parts contained within the product's kit. All products that are in question of Warranty must be returned shipping prepaid to the SELLER and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by Glacier Diesel Power.

Under no circumstances shall the SELLER 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 will the SELLER be liable for any damage or expenses insured by reason of the use or sale of any such equipment.

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 PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND. THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.