

Dual Fueler Installation Kit 2007.5-2012 Dodge 6.7L Cummins

Without pump (213003000)

With pump (213003100)

Installation Guide

DUAL FUELER KIT - PARTS LIST:

- | | |
|--------------------------------------|---------------------------------------|
| 26. 8" Zip Ties (3) | 34. Dual Fueler Controller (1) |
| 5. 5/16" x 18 x 2 Bolts (2) | 39. H.P. Fuel Line 515-006-2170 (1) |
| 6. 5/16" x 18 x 2.25" Bolt (1) | 47. Dual Fueler Pump Bracket |
| 8. 18 x 1.5 Nut (1) | 42. H.P. Fuel line 515-006-2173 (1) |
| 25. 8 x 0.5" Self-Tapping Screws (2) | 31. Fuel Return Tube (1) |
| 9. 18mm washer (1) | 30. Z - Bracket (1) |
| 16. 5/16" x 18 Nuts (3) | 46. Serpentine Belt 2003-2010 |
| 11. 5/16" Washers (3) | 48. Dual Fueler Pump Pulley |
| 18. 6 - 1.0 x 25 Bolt (1) | 29. MOD Dipstick Bracket (1) |
| 14. 8 x 1.25 x 12 Bolt (1) | 19. Fuel Line Bracket (1) |
| 13. 10mm Washer (1) | 51. Coolant Hose - Short |
| 7. 10 x 1.50 x 25 Bolt (3) | 36. 21" x 5/16" Fuel Hose (1) |
| 32. H.P. 3-Way Fuel Block (1) | 35. 18" x 5/16" Fuel Hose (1) |
| 23. 2.25" Hose Clamps (3) | 9" x 5/16" Fuel Hose (1) |
| 41. H.P. Fuel Line 5150062712 (1) | 8" x 5/16" Fuel Hose (1) |
| 21. 5/16" Brass Fuel Tees (2) | 7" x 5/16" Fuel Hose (1) |
| 22. 5/16" Hose Clamps (16) | 2.5 x 5/16" Fuel Hose (1) |
| 24. 2.5" Hose Clamps (1) | 50. Coolant Hose - "L" Shape |
| 49. Idler Pulley (1) | 43. Coolant Reroute Tube - Double Tab |

Step 1

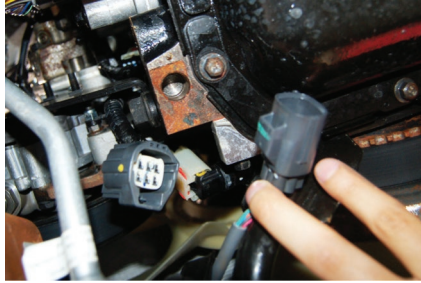
Disconnect both batteries (positive terminals).

Step 2

Drain coolant system.

Step 3

Disconnect fan harness connector located under the truck.



Step 4

Remove four 13mm fan shroud bolts. 2 bolts on the bottom of the fan shroud (below the truck), 2 bolts on the top of the fan trail (under the hood).

Step 5

Remove radiator clamps and hose.

Step 6

Remove EGR pipe clamps. Remove EGR pipe.



Step 7

Remove EGR valve. Remove intake manifold to access the fuel lines.



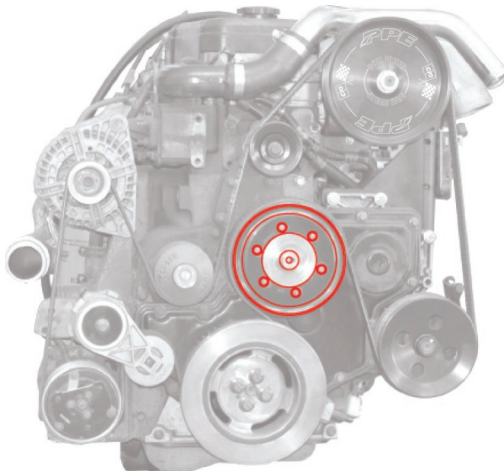
Step 8

Remove the fan shroud bracket. (2x 13mm bolts)
Remove the fan and shroud.



Step 9

Remove all six 8mm bolts from fan pulley adapter.

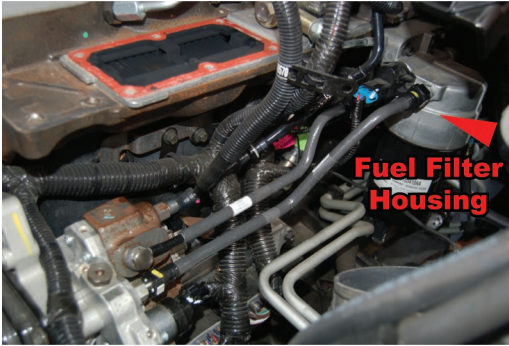


Step 10

Remove the fan pulley and belt.

Step 11

Now that the EGR/intake assembly has been removed from the engine, you will be able to access the fuel feed and return line coming from the fuel filter housing.



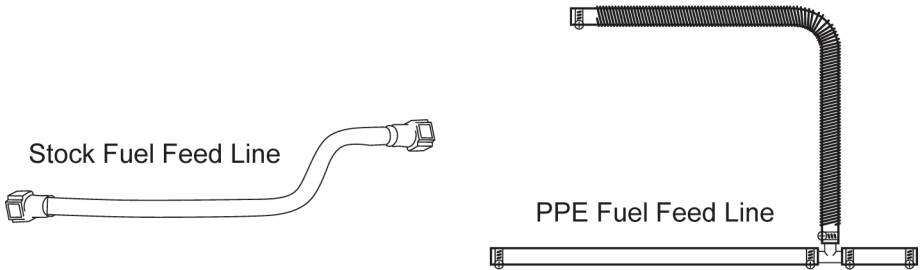
Step 12

Remove stock fuel pressure line from the fuel rail.



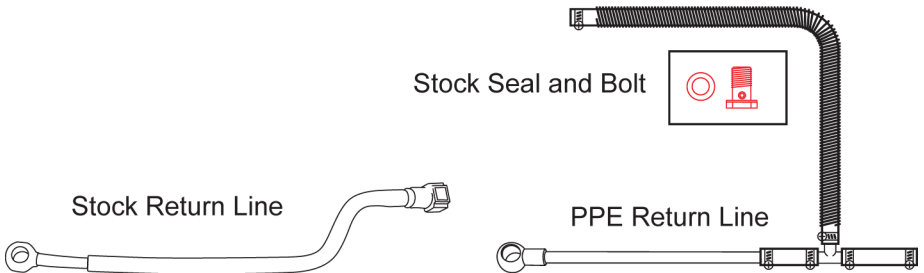
Step 13

Remove stock **FUEL FEED LINE** from fuel filter housing and replace with the PPE fuel feed line provided in the kit.



Step 14

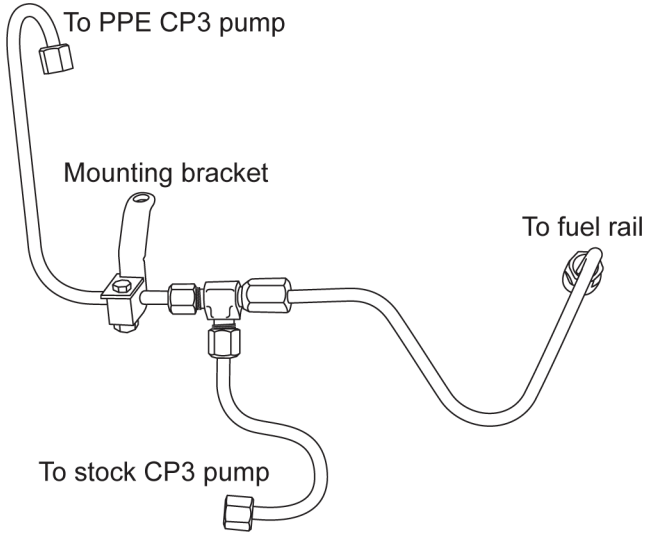
Remove the stock **RETURN LINE** from fuel filter housing and then replace with the PPE return line using stock seal and 17mm bolt.



Step 15

Install fuel pressure line. (Follow diagram below)

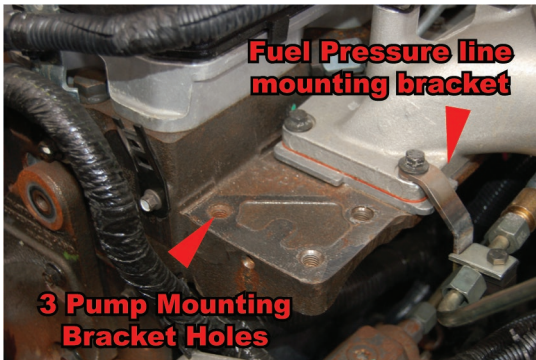
Note: Line going to the PPE aftermarket pump will not be connected until pump is installed.



Step 14

Install intake manifold, EGR, and EGR tube re-routed around the Dual-Fueler. Install fuel pressure line mounting bracket.

Note: CP3 Pump bracket will mount to this area on the block. (see image) Three 17mm bolt holes.



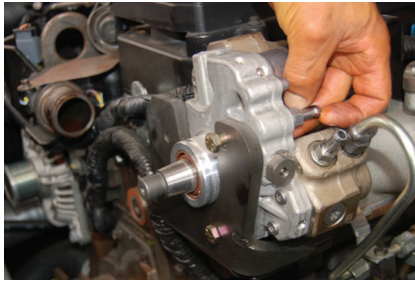
Step 15

Install the bracket as shown below.

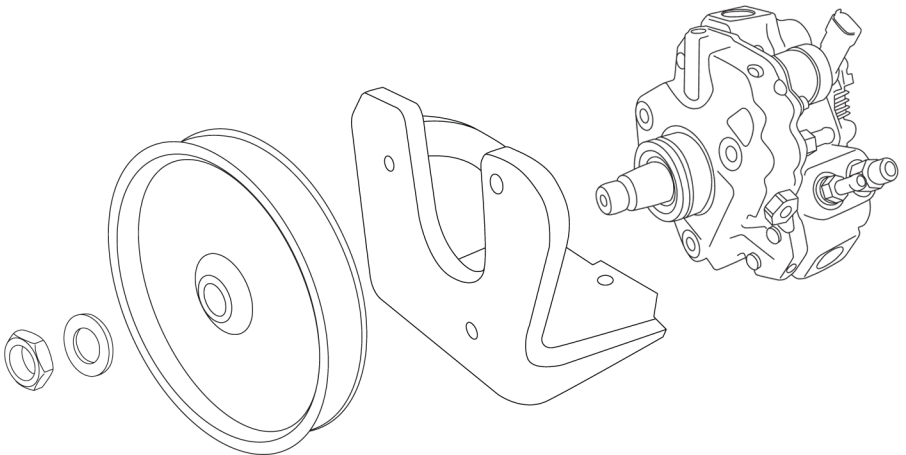


Step 16

Mount pump on bracket as shown.



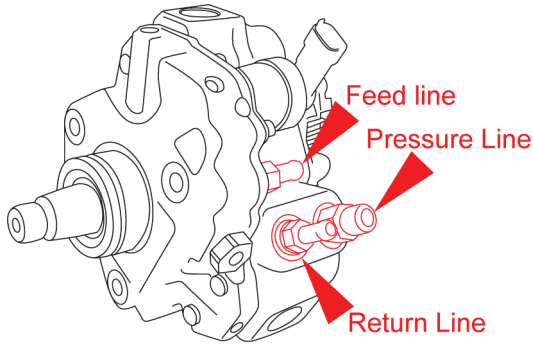
PUMP ASSEMBLY



Step 17

Install fuel lines to both CP3 pumps, follow diagram below.

Note: CP3 pump wheel nut will be torqued later when the belt is installed.



Step 17

Optional high flow fuel feed line fitting can be installed now.

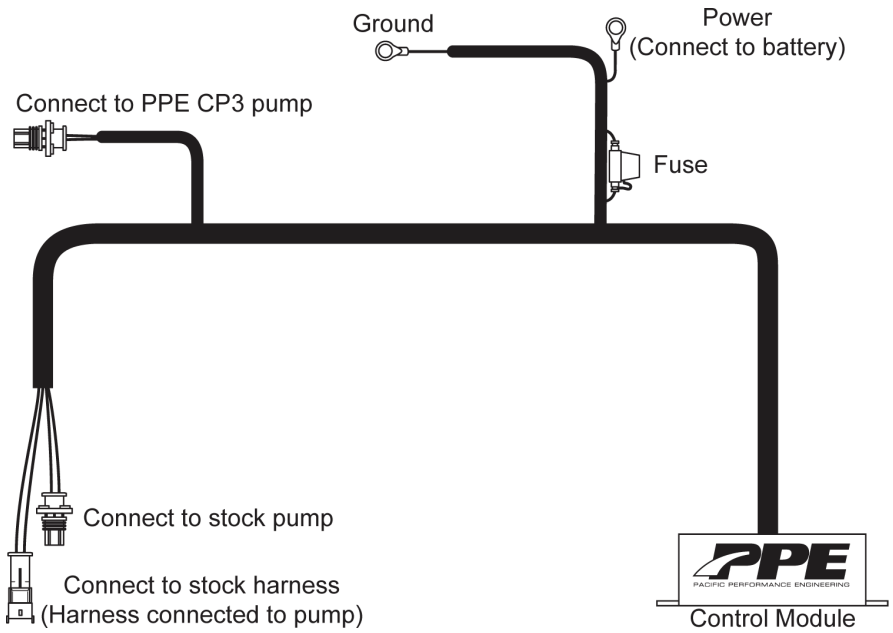
Remove stock feed line fitting. Install the PPE high flow fitting.

Note: Blocker plate solution, as shown, is for racing purposes only. Block off plates not included in kit.



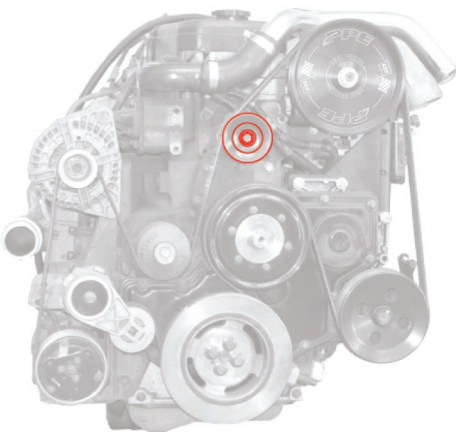
Step 18

Find a suitable area by the battery to mount the control module. Connections are as follows.



Step 19

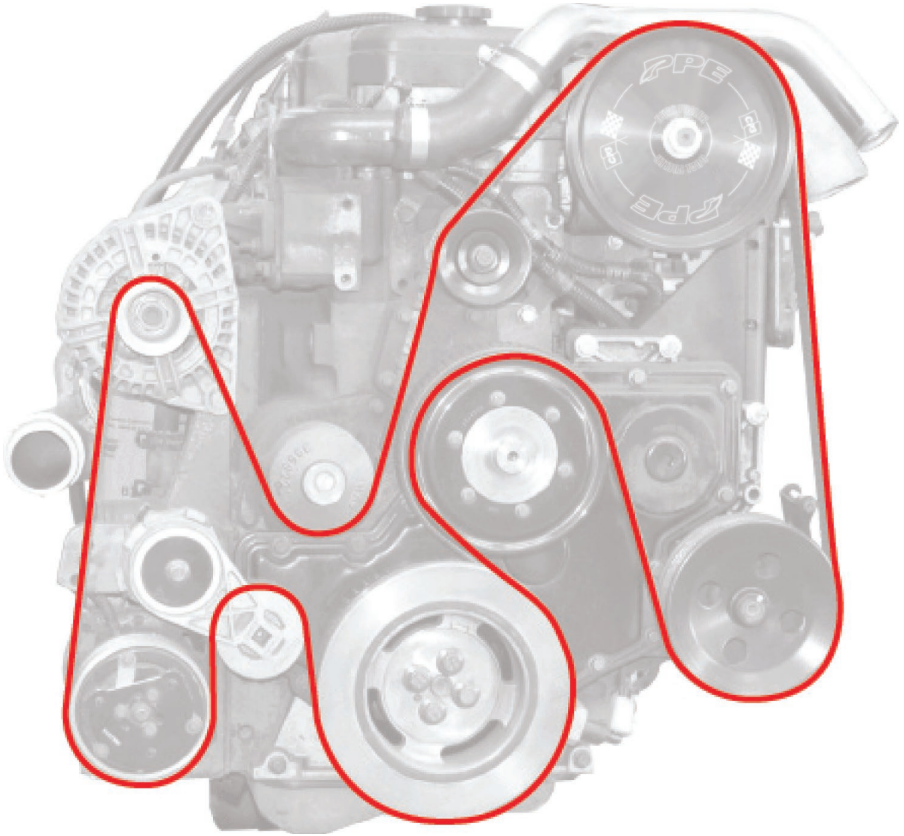
Remove stock idler pulley. Install PPE idler pulley provided in kit. (use stock bolt, washer, and spacer with PPE pulley)



Install pulley in original location. (See figure on left)

Step 20

*Install the PPE drive belt that was provided with the kit.
Use belt routing diagram below.*



Step 21

Once the new belt is installed, next is the fan pulley adapter that was removed in Step 9. Install fan, fan shroud and fan shroud bracket.

Step 22

Torque CP3 pump wheel nut.

Step 22

Install the PPE coolant pipe, hoses, and clamps.

Step 23

Install the oil dipstick bracket.

Fill coolant system. Connect batteries. Installation is complete.

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