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Dodge/Ram Dual CP3 Controller

5.9L & 6.7L Cummins Dual CP3 Control Module

1050455	2003-2018 Dodge Ram
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Control box for operating dual CP3 pumps on common rail
Cummins Ram Pickups

Kit Contents

FTDCP3C	
	
Harness Qty: 1	5 Amp Fuse Qty: 2

Suggested Optional Items

Add the following products to make the most of your *Dual CP3 Pump Kit* performance! Visit our website www.bddiesel.com for more info!

1050370 (2003-2009) 1050371 (2010-2018)	1050305DF (2003-04.5) 1050310DF (2005-09) 1050311DF (2010-12) 1050313DF (2013-19)	1050331
		
Fuel Distribution Block Qty: 1	Flow-Max Lift Pump Qty: 1	Monster Line Kit Qty: 1

Introduction

While running dual CP3 pumps on a Cummins Ram, tuning is often required to allow the factory ECM to control two CP3 pumps in unison. This tuning can take some trial and error. To ease install a *Dual CP3 Controller* can be used to run the pumps without tuning the factory ECM.

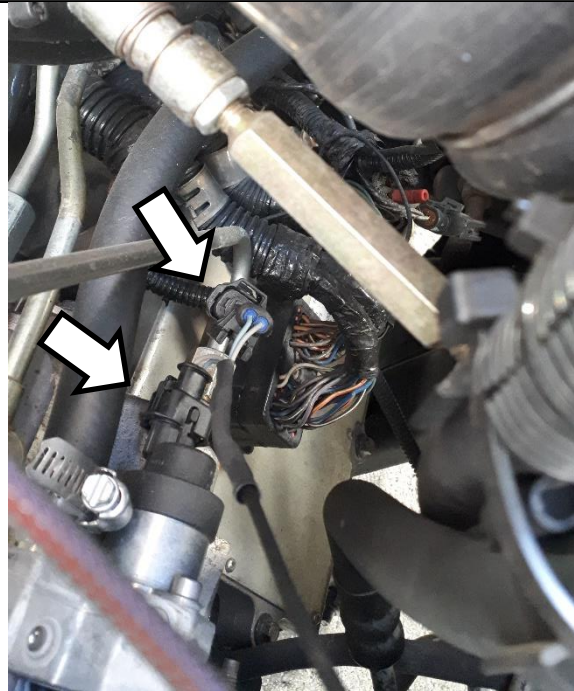
Operation

The *BD Dual CP3 Controller* receives the factory fuel command from the ecm, and splits it to allow the two CP3 pumps to share the fuel supply requirement. No additional ecm tuning required.

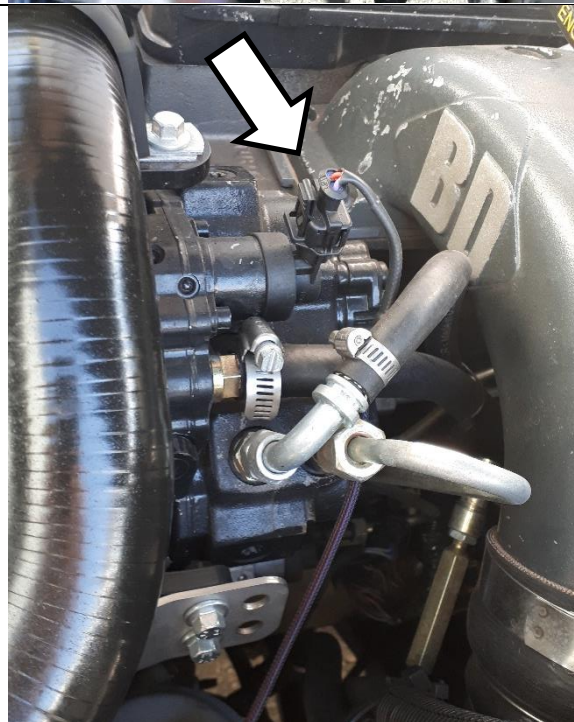
Installation

Unplug factory CP3 harness from CP3, and plug harness in between factory harness and CP3 Pump.

NOTE: See diagram at the end of this manual for connection details.

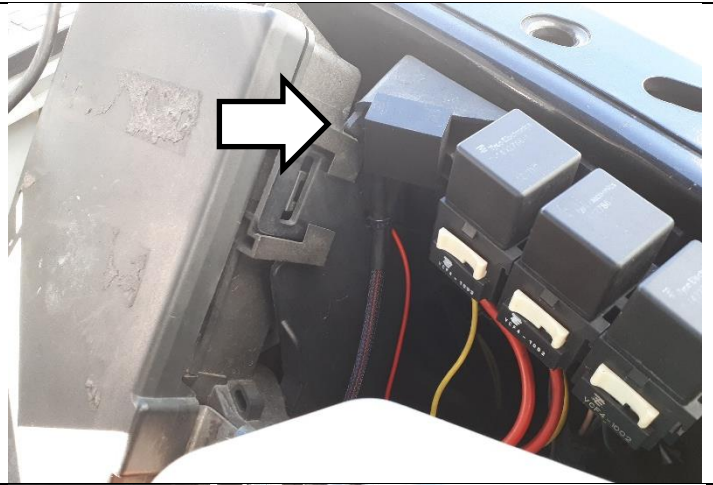


Plug harness into second CP3 pump.



Mount controller in a safe area in the engine bay away from heat sources or belts and pulleys.

NOTE: Inner fender beside fuse box is a good spot for mounting, as it allows for easy connection to power sources.



Connect the ground wire (black) to a reliable ground source using supplied ring terminal.

NOTE: Ground stud works best (as shown).



Attach the Red wire to a constant 12v source.

The constant power stud on fuse box works best.



NOTE: If you attach the power to a switched source, it could cause rail pressure spikes when the engine is turned off.



Secure wires away from heat sources, pulleys, or belts.

Installation is complete! Start the vehicle and ensure dual pump kit is operating correctly.

Troubleshooting

Rattle, or surging while engine running.

Ensure control box is properly connected to a 12v power source, and is solidly grounded. Also ensure plugs are fully connected on CP3 pumps.

Kit Layout

