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12mm CP3 Stroker Pump FAQs

1. How do I properly set up the supply and return lines to my CP3?

- Do not kink the return line, be sure to have an unrestricted return line coming from the CP3.
- Get enough fuel to the CP3, through testing and monitoring the fuel system DDP has found that to truly get the most out of this pump your supply pump should be capable of a minimum of 250GPH (gallons per hour). Failure to keep adequate fuel supply and pressure will result in CP3 failure.
- Supply line size, whether you have one or two CP3s they should be fed individually using ¾" line with a lift pump for each CP3. If you do not have a ¾" inlet fitting you may source these through Fass Diesel Fuel Systems using pn: DIPF-1003.

2. What should my supply pressure be?

- Keeping the correct supply pressure to your CP3 is critical. If you over pressurize your pump this may cause erratic rail pressure and inevitably overwhelm the FCA causing it to fail and or blow out seals on the CP3 itself.
- Cummins CR 5.9L & 6.7L: 8 - 15 PSI
- GM Duramax 2001 – 2010: 8 - 10 PSI
- GM Duramax 2011+ W/ CP3: 8 - 10 PSI
- Dual CP3 Kits: 8 - 10 PSI
- If your lift pump supply pressure drops below 6 PSI on a WOT run, you could be restricting the CP3 from its full potential. It is suggested that you look over your supply system for any restrictions that could be causing the drop in pressure. If everything appears okay it is common for the two pin connectors on aftermarket lift pumps to create a restriction in amperage. This will not allow the lift pump to reach its full potential. To fix this issue you can hard wire in the pump and remove any potential of an amperage restriction point.

3. What do I torque my gear nut to?

- The factory torque spec for a Cummins gear wheels is 77 ft-lbs, while GM is 52 ft-lbs.

4. Can I install my pump without tuning?

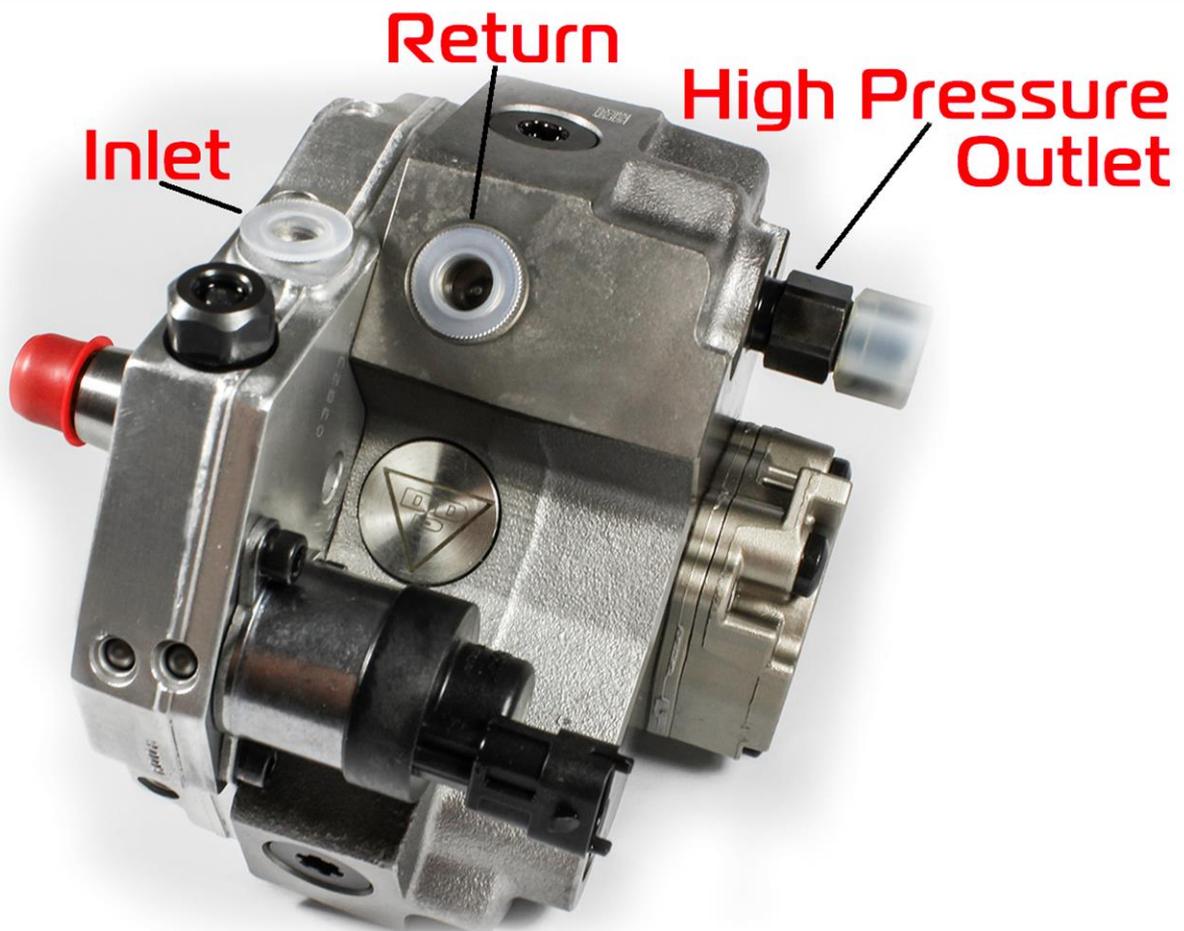
- It is not recommended that you install your CP3 without tuning. The fuel delivery commanded in your vehicles factory ECM calibration does not match up with the fueling capabilities that a 12mm pump will supply. It is strongly recommended to have a new set of tuning ready from your reputable tuner at the time of install, if you do not have a reputable tuner lined up simply give us a call and we can get you in contact with someone to help you get the most out of your vehicle.

5. How should I maintain my fuel system?

- Fuel injection equipment is manufactured to very precise tolerances and fine clearances. To prevent fuel system damage, it is essential that absolute cleanliness is observed when working with these components.
- You should be changing your fuel filters at a minimum of every other oil change. (Typically every 8,000 – 10,000 miles but no less)
- The factory filters on many vehicles or cheap replacement filters will only filter at an 8 – 10 micron level. This filtration level is inadequate for newer common rail vehicles and can cause failure if contaminated fuel is introduced into the system. To help prevent this from happening it is strongly recommended that you purchase a 2 micron filtration system if your aftermarket lift pump does not already have one.

CP3 Component Location

- There are typically 2 or 3 accessible locations that the High-Pressure Outlet fitting may be installed. Depending on your set up (Stock location or dual CP3 application) the fitting may need to be relocated. At this point if it does not line up, follow the install procedures on the manufactures instructions and located the fitting to the correct location.



Dynomite Diesel Products (DDP) Injector Limited Warranty

Terms & Conditions

Dynomite Diesel would like to thank you for purchasing this product. We truly appreciate your support. We also pledge to give you the absolute best customer service & tech support in the business. If you have a problem with our product or service, please tell us first; we will do everything in our power to correct the situation & make sure you are happy with the final outcome.

DDP & its distributors as well as dealers will not be held responsible for any damage created by this product, misuse of this product, improper install of this product, or misapplication of this product.

By purchasing this product, you agree to not hold DDP or any company or individual who sold it to you responsible for any damage caused to your vehicle, its contents and any personal injury to you, your occupants, or bystanders.

Use a Pyrometer. Do not let exhaust gas temperatures exceed 1250° pre-turbo. Make sure your pyrometer works. Make sure you are installing the right product in your truck. When in doubt, call us first to make sure it is the correct part. This is a performance part designed to enhance your vehicle. When used or installed improperly it can ruin your engine & other parts on your vehicle or cause serious injury. DDP & anyone who sells you a DDP product accepts no liability if you ruin your parts or the parts we or our dealers or distributors sold to you.

No warranty for water damage.

No warranty against dirt or contamination.

No warranty for incorrect part(s) ordered and/or installed.

DDP nor its sellers and/or installers are responsible for towing or vehicle time loss.

DDP limited warranty is on craftsmanship only.

Your original invoice is your proof of purchase for any and all warranty claims. Be sure to keep a copy!

DDP will cover one (1) replacement part for 30 days. UPS ground shipping will be used. We do request that a licensed shop determines fault. Please send a digital photo if possible along with a UPS tracking number. We will in turn ship one (1) part, no cost, to the customer.

All injectors are warrantied for one (1) year. You are responsible for shipping them to us. We will then fix or replace as necessary. See Limited Warranty Statement.

Limited Warranty Statement

Dynomite Diesel Products (DDP) is very confident in all of our parts. We do recognize however that during shipping, testing, and/or installation of injectors that changes to the injector may occur.

If failure occurs within the first year after purchase, please call DDP Sales at 208-209-3214 for trouble shooting guidelines. You must provide a UPS tracking number for returned part before new part is sent. No cash refunds will be given.

This limited warranty covers no more than one (1) injector. Statistics show that one injector failure is possible, but more than one would be caused by poor installation or contamination which is not covered by DDP.

If returned part is determined to have failed due to something other than DDP workmanship no exchange will be given.

SUPERMENTAL & COMP INJECTORS - DDP custom builds these products per application, only after custom injector order form is filled out and signed. These are custom parts therefore no refunds will be issued. These parts are built for off road race application only. No time or mileage warranty is implied.