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Duramax Injector Nozzle Swap Directions

Please read these instructions from start to finish before starting the installation. For removal and installation of the injectors themselves, please see a GM Service manual.

If you choose only to read a short section of these instructions, please save yourself some hassle and read direction #1. It is extremely important!

1. Underneath the nozzle, there is a very small puck shaped piece of metal. When removing the nozzle, EXTREME care must be taken to keep from losing the puck. It may stick to the nozzle as you lift the nozzle off the injector body. When reinstalling the nozzle, you must make sure to put the puck back in the recess it's designed to fit into and make sure it lays flat.



2. Make sure your work area is clean, dry, well lit and easy to find any dropped parts. If you attempt this install in a cluttered area and cannot find the pucks listed above you will have to buy a complete new injector to replace the parts. These are not available separately.

3. Mount the injector hold down collar in a vise and clamp it tightly. The injector hold down collar is the part that holds the injector in the cylinder head. Slide the injector onto the collar and make sure it seats well so it does not come loose. Work on only one injector at a time to minimize part loss.



4. Using pliers, remove the copper sealing washer. If you are missing the copper washer be sure to dig it out of the cylinder head before putting the injectors back in. Some carbon buildup may be present and this is normal. Sometimes the carbon may seem excessive but there is no reason to worry. Do not clean the nozzles for us. We use an ultrasonic machine to gently clean the nozzles without damaging them.



- Using a 15mm wrench, remove the nozzle nut. Once you have removed the nozzle nut you can remove the nozzle, but BE CAREFUL not to lose the small puck which can sometimes stick to the nozzle. The puck fits into the small recess right in the middle of the injector body and lays flat.



- Clean nozzle and injector body mating surface to remove any carbon that may have fallen on the mating surface during disassembly. You may use brake clean but DO NOT blow the puck out of the hole, or remove it before spraying.
- Clean the nozzle nut and remove all the carbon buildup on the tip where the injector nozzle goes through the nut.
- Replace nozzle on injector body being sure to align the alignment pins, the recess that holds the puck, and the puck itself. Once you are 100% sure these parts are aligned and placed correctly, reinstall the nozzle nut.

Nozzle Nut Torque Specs

- Duramax 01-04 LB7 = 45 foot pounds
- Duramax 04.5-05 LLY = 50 foot pounds
- Duramax 06-07 LBZ = 50 foot pounds
- Duramax 08-10 LMM = 50 foot pounds
- Duramax 11+ LML = 35 foot pounds

***Note: LML injectors require a specific process for assembly.
Please see our LML Nozzle install instructions for the correct assembly**



9. Use supplied grease packet to hold the new copper washers onto the injector. Don't be afraid to use it liberally to make sure the washer does not fall off when you are reinstalling the injector into the head.



Please feel free to call us with any questions. If you think you may have lost a puck, DO NOT reinstall the injectors. If you do, there is a possibility that complete engine failure could occur if the engine runs away. DO NOT TRY IT!!!

*Note: When the OEM sells a new injector, it is a very high quality part balanced within mass production specifications. This means that the exact nozzle and its flow rate have been balanced to that injector body. This is accomplished by a series of shims and springs that are responsible for delivering the desired fuel quantity. At Dynamite Diesel Products we feel it is extremely important to recalibrate the injector body for all new nozzles that can support greater than 700 RWHP (in general).

For this reason, we prefer not to sell extremely large nozzles on their own. We are trying to prevent catastrophic engine failure or premature wear due to the nozzles & injector bodies not being properly balanced and calibrated as a unit.

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.