

10 SETS FOR A SUCCESSFUL INJECTION PUMP INSTALLATION

- 1) **PROPER INSTRUCTIONS** – If you do not have access to the manufacturers guidelines for installation, you can go to there technical website at www.alldatadiy.com. This is a pay service, usually around 24.00, but will help you greatly when you are installing a injection pump on you diesel application.
- 2) **TIMING IS “EVERYTHING”** – All diesel applications have to be timing in order to run properly. The timing marks provided on the injection pumps are production timing marks and do not correctly time the vehicle to your particular engine. If you do not have access to a timing device for you particular engine, you will have to fine tune your timing via a “Test and Tune” method, i.e. slightly altering the timing manually and performance testing the results. NEVER move an injection pump while the engine is running. It will damage the injection system and could cause a major failure.
- 3) **FRESH FUEL** – If your vehicle has set up for more than three months, the fuel has already started to breakdown, and loss some of it’s chemical properties. Always fill the tank with fresh diesel fuel when installing an new injection pump. Remember that fuel contamination is not covered under DCP’s warranty.
- 4) **AVOIDING WHITE SMOKE** – White smoke in a diesel application can be caused by a number of things, but usually it comes down to two things, either timing or air in the system. White smoke is normal during the first 10-20 minutes of running, or until the engine has reached operating temperature as the air is purged from the system. If it continues after that, check for leaks in the system. If non are present, run the injection system out of a alternate source of fuel, to isolate it from the vehicle
- 5) **ELECTRIAL CONNECTIONS** – Make sure all electrical connections are reinstalled in their proper locations. Many pumps have multiple connections that can appear to be installed in several different fashions, so it is important to mark them prior to pump removal.
- 6) **WHAT WAS THE ORIGINAL PROBLEM?** – If you have a complaint after installing an injection pump similar to the original complaint, please verify that the injection pump is the source of the problem.
- 7) **LIFT PUMP OPERATION** – *If I can turn it over and fuel comes out, it must be working...right?* Not exactly. Many lift pumps can deliver fuel in low volume situations, but fail when they are connected to the system. Most system should have a minimum pressure reading of 10-15psi at idle AND 30-45psi during full load operation. You must install a pressure gauge to insure the lift pump is working properly.
- 8) **DISCONNECT THE BATTERIES** - This is important for a number of reasons. For one, it is a good safety practice during pump installation, to avoid premature starting of the engine. It will also help to reset some of the electronic components on most late model diesel applications. Always follow the manufacturers guidelines for disconnecting and reconnecting the batteries on your particular vehicle.
- 9) **REINSTALL FITTINGS PROPERLY** – Many diesel pumps have special restricted orifice fittings that can only be utilized in the return side of the injection system. Always install the fittings in the same location as your old injection pump to insure a proper installation.
- 10) **IF IN DOUBT...CALL** – If you continue to have problems after installing one of our injection pumps, please contact us so we can assist you in the troubleshooting of the problem, and help assist you in getting your vehicle up and running as quickly as possible.

**DIESEL CARE AND PERFORMANCE INC.
LIMITED WARRANTY POLICY**

Diesel Care and Performance Inc., hereafter mentioned as DCP, issues the following warranty on all DCP product. This warranty is extended to the original purchaser of the product only, unless approved of in writing by DCP.

Our product is warranted to be free from defects in material or workmanship under normal use and service, for a period of six months from the original purchase date. The obligation of DCP under this warranty is limited to the repair or replacement of the defective unit. Repair or replacement of the unit shall be at the sole discretion of DCP. The defective unit must be returned within 30 days of the failure date to be considered for warranty.

This limited warranty is in lieu of all other warranties, either expressed or implied. All obligations or liabilities of DCP are expressly disclaimed, including claims for R & R expenses, liability of consequential damages, down time, loss of revenue, or any other inconvenience cost.

Our product is intended to be installed by the purchaser of DCP product. Any damage or defect caused by a third party installer is the sole responsibility of the original purchaser of the product. In addition, DCP is not responsible for any R & R expenses, liability of consequential damages, down time, loss of revenue, or any other inconvenience cost relative to third party installers of our product. Any product that is not installed according to the manufacturers guidelines is not covered under any warranty by DCP.

This warranty does not apply to any part or unit that has been altered or repaired by anyone other than DCP. Nor, to any product which has been subject to misuse, abuse, neglect, accident, improper installation, or damage from foreign material such as water or dirt. This warranty will only be honored at the facilities of DCP.