

Midwest Diesel & Auto

6.7 Powerstroke Super Stroke Injection Pump

Thank you for the purchase of your new Super Stroke injection pump. With this new high performance pump, there are a few things that you will need to be aware of during the install process.

1. During install of this pump you will need to remove the negative battery cable, upper and lower intake manifolds, serpentine belt, fan (fan can be laid forward in shroud to gain access to front cover), vacuum pump, all fuel lines connected to the pump, and disconnect fuel pressure regulator harness connector.
2. It is best to turn the engine over until the timing marks on the pump gear line up with the cam gear marks. Do this for reference, to make sure the gear does not jump teeth during install.
3. Before loosening the pump mounting bolts, break the nut loose on the pump gear. The gear should stay stationary and therefore stay in time as the pump is pulled out.
4. Loosen pump mounting bolts, separate gear from shaft and remove pump.
5. Install new pump making sure the dowel lines up in the gear and slides on smoothly.
6. Install pump mounting bolts and plug in the fuel pressure regulator to the harness.
7. **Must Replace BOTH fuel filters in system or warranty will be void.**
8. Install nut and tighten to 75ft/lbs.

9. Reinstall high pressure fuel lines but leave loose. (These will need to be primed to remove air while the truck is cranked over. Not doing so WILL VOID pump warranty.)
10. Making sure it is safe to do so, install the negative battery cable and cycle the key 3-4 times in order to prime the low pressure fuel system up to the high pressure pump. The fuel lines coming out of the CP4 need to be bled while cranking. Once fuel comes out of the pump, tighten high pressure fuel lines.
11. Reinstall all parts and check for leaks. Run vehicle and test for operation.

It is important keep your filters changed during regularly scheduled intervals (7500 miles recommended), drain the water separator and use high quality fuel for the life and longevity of this new pump. This pump is a high performance modified pump that operates under a higher stress level than a factory pump. All precautions should be taken to ensure the successful operation and longevity of this unit. Fuel contamination from rust, water, debris, or any other foreign substance will completely void the warranty. This unit carries a 90 day warranty from delivery date. Filling out the warranty sheet is required and must be returned to Midwest Diesel & Auto Inc. after install to be valid. No EXECPTIONS.