

TWIN FUELER FUEL SYSTEM

Installation Manual v1.2

GM LLY/LBZ Twin CP3 Pump Assembly
2004.5 – 07.5 GM Duramax

Please read all instructions before installation.

1. Please make sure all pump fittings are packaged together in the LB7 Twin CP3 “No-Pump” Kit. These fittings are shown in **Figure 1**.

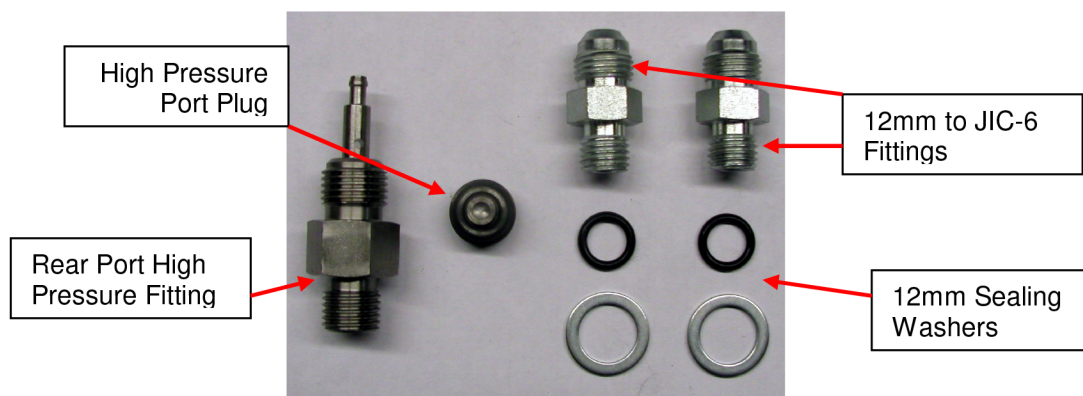


Figure 2 – LLY/LBZ Twin CP3 Pump Fittings

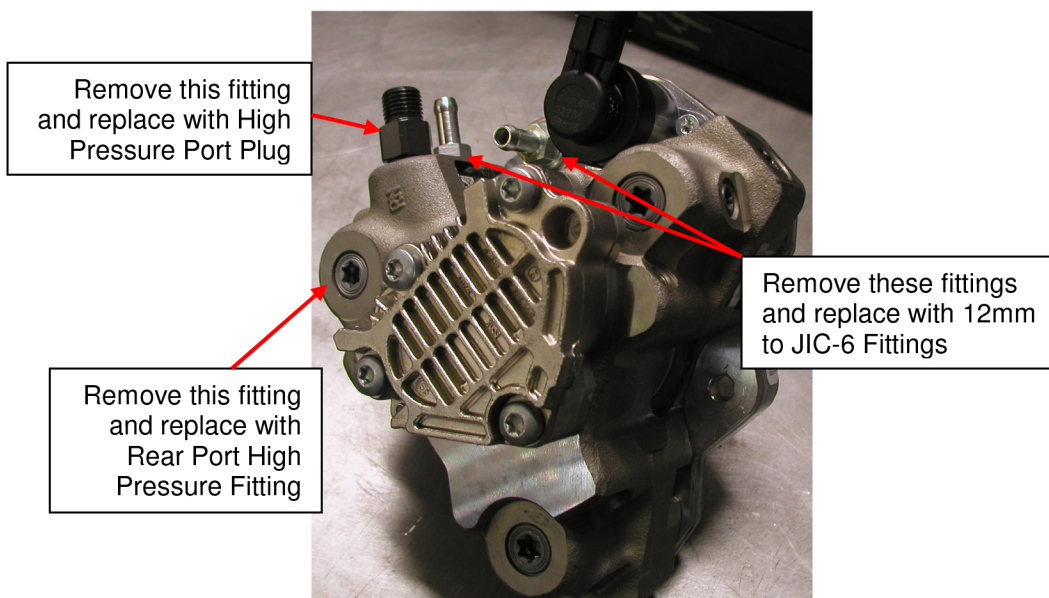
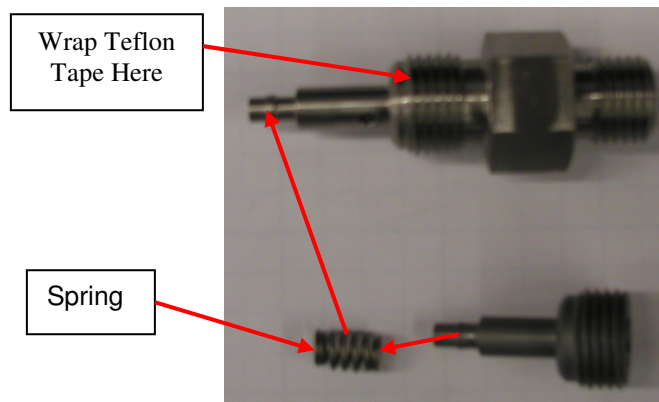


Figure 1 - CP3 Pump Port Locations

2. Only purchase an LBZ Injector Pump (p/n 97361351) from you local GM dealer. Use of another model number will result in installation issues.
3. Please refer to **Figure 2** for fuel port locations. Wrap 2 to 3 layers of Teflon tape around the spring end of the Rear Port High Pressure Fitting prior to installation. Do the same with the High Pressure Port Plug
4. A useful hint for installing the fittings is to install the pump on the pump mounting bracket and clamp the bracket in a vice.
5. Remove the plug on back of the CP3 pump. A ball is located inside this port, make sure this ball does not fall out when removing the plug. Remove the spring attached to the plug and place the spring on the end of the Rear Port High Pressure Fitting. Place a small amount of grease (Polylube, Transjel or equivalent) on the sealing surface of the Rear Port High Pressure Fitting. Install the Rear Port High Pressure Fitting in the port, again making sure the ball is still in the port. Torque to **50 ft-lbs**.

WARNING: The CP3 pump WILL FAIL within the first 20min of operation if the 5mm check balls are not in the pump. 2 extra check balls are included with the kit in case the ball is not in the pump or is lost.



6. Remove the two nipple fittings located on the top of the pump and replace with the 12mm to JIC-6 fittings provided in the kit.
7. Remove the black fuel fitting located on the top of the pump. Install High Pressure Port Plug in this port. Torque to **50 ft-lbs**.
8. The pump is now ready to install with the Twin CP3 kit.