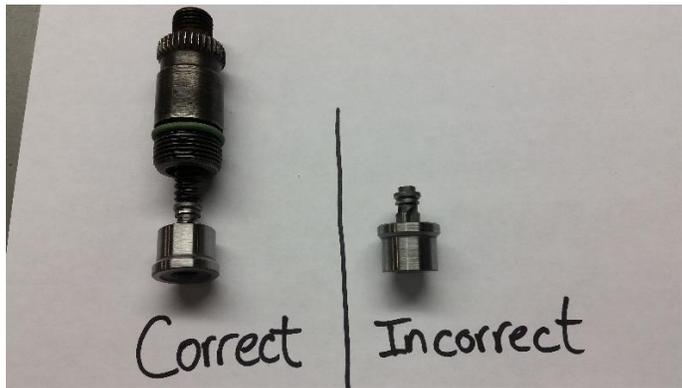
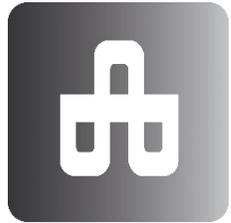


INSTALLATION INSTRUCTIONS FOR POWER DRIVEN DELIVERY VALVES

1. Remove air-intake horn & injection lines. **Tech Tip:** Remove Injection Lines as a complete assembly for easier re-assembly.
2. Clean dirt and debris from top of injection pump and around delivery valve holders using brake parts cleaner. Next, using a splined delivery valve socket, remove the front #1 delivery valve holder.
3. Using a small magnet and/or pic, remove old delivery valve and seat. (Note, on 94'-95' model 160HP or 175HP p7100 pump, remove the copper washer from beneath the factory delivery valve seat and **do not install with the new delivery valves; 96' and newer pumps do not have a washer beneath the seat, but if washers are encountered, remove them and do not re-install.**)
4. Install new delivery valve and seat with the wide top-hat shaped portion of the delivery valve seat facing down into the injection pump. (Note, individual delivery valves and seats are matched pairs and should not be interchanged with other valves or seats.)



5. Replace and lube the o-ring seals on the threaded portion of the delivery valve holders engine oil, WD-40 or similar.
6. Carefully re-install the holder and make sure the spring seats on top of the new delivery valve stem/spring seat. **Pre-torque** the holder to **25 LB FT**. Next, in one motion, **torque holder to 80 LB FT**. ****Use caution to not over-torque the delivery valve holder as this can crack the new delivery valve seat****
7. Repeat steps 3 through 6 for the other (5) delivery valves & holders.
8. To help prevent dirt or debris from contaminating the injection system, crank the engine for 15-20 seconds before reinstalling the injection lines. After about 10 seconds, fuel will start to spray out of the delivery valve holders so drape a rag over them before cranking the motor. **(Use caution working on or around high pressure fuel injection components.)**
9. Install injection lines and air-intake horn. Start engine and check for fuel leaks.



POWER DRIVEN
DIESEL

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