

## Updates to Internal O-Ring Kits for Ford Power Stroke and Navistar T444E Injectors

*Due to the changes in material that have occurred over time we are consolidating and updated several **DIPACO** Product Information Bulletins that covered internal o-ring for Power Stroke and T444E injectors. This bulletin supercedes FI-62 and FI103.*

### Internal O-Ring Kits

To help the injector rebuilder **DIPACO** has available an internal o-ring kit which comes in single and 100 injector quantities. **DPS0007** contains the three internal o-rings needed in the injector used in Ford Power Stroke and Navistar T444E engines. **DPS0007-100** contains 100 pieces of each o-ring.

There have been several material changes since these kits were first introduced. Ford changed the composition of the o-ring used on the outside of the piston and valve body in the injectors. The o-ring, **DPE7736**, is made of 90 durometer Viton. Because of the additional hardness of the 90 durometer material and the set the o-ring takes when installed, we strongly recommend that any time the injector is disassembled this o-ring be replaced. Failure to replace the o-ring can lead to a sealing failure. Because of this requirement, the DPE7736 o-ring is also available for sale separately from the o-ring kits.

Also, when installing this o-ring it must pass over the very sharp threads of the piston and valve body. This can lead to cutting the surface of the o-ring. Because of the high sealing pressures, cuts in the o-ring can lead to premature failure. For proper insertion of this o-ring we recommend using the **DIPACO DPE30301** insertion tool or an equivalent tool. For more information on this tool see **DIPACO** Product Information Bulletin FI-91, July 2000.

We have also added a Teflon coating to the outside of the **DPE7736** and **DPE7738** o-rings to improve ease of installation of the intensifier piston and the nozzle retaining nut and reduce the risk of o-ring damage.

Following is a description of the **DPS0007** kit components with the current o-ring color. The **DPS0007-100** contains 100 pieces of each component.

DPE7407 O-Ring (Black)	1 each
DPE7736 O-Ring (Dark Blue)	1 each
DPE7738 O-Ring (Blue)	1 each

The **DPE7407** o-ring is installed into a groove in the internal adapter plate. The **DPE7736** and **DPE7738** o-rings are installed onto the piston and valve body.

**Finally, remember that after you have installed all of the o-rings on the injector you must wait at least 10 minutes before assembling or installing the injector. This allows the o-rings to recover back to their correct diameter. Failure to do so will result in sealing failures.**