DIPACO
DIESEL
PARTS
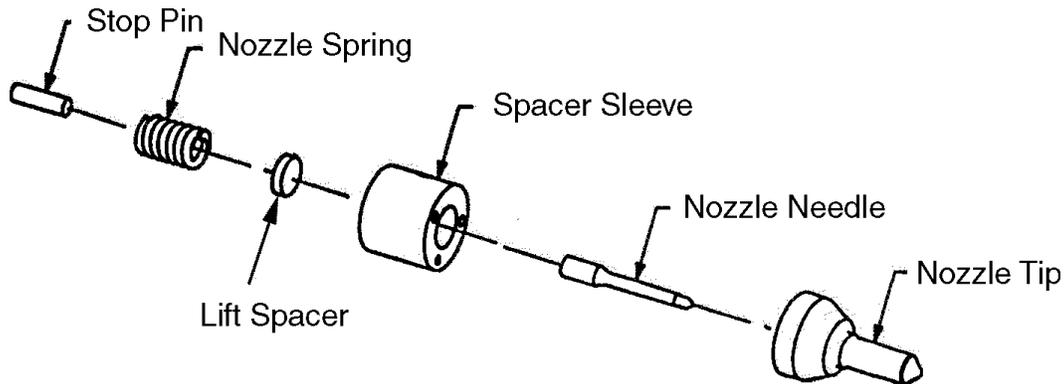**U S A**
DIPACO, INC.

PRODUCT INFORMATION
FI-76
January 2000
File: Power Stroke

Changes to Tip Assembly for Power Stroke Injectors

In order to provide a more consistent Valve Opening Pressure (VOP) and reduce the amount of time required to rebuild and test a Power Stroke injector, DIPACO is changing and improving our **DPE41007/31** tip assembly. The first step involves changing our VOP criteria. Based on input from the Association Of Diesel Specialists training schools, we will now be building the tips to have a VOP of 2675±75 PSI (180-190 Bar). To insure the tip assembly maintains proper VOP during rebuilding we are also now including the spacer sleeve with the tip assembly. This spacer sleeve plus the lift spacer, nozzle spring, and stop pin are all matched to each nozzle tip to provide the correct VOP and needle lift. With this revised assembly you can be assured the tip is already set to the proper VOP and lift, allowing you to speed up your rebuilding process.

DIPACO has also been asked to supply as separate components the nozzle spring and a series of different

sized lift spacer shims. DIPACO will not be supplying these items as incorrect usage of these parts can lead to incorrect VOP and/or needle lift resulting in poor performance by the tip assembly. Using a new spring and spacer shim can create an acceptable nozzle VOP in a used tip, but it ignores the impact incorrect needle lift can have on the amount of fuel flowing through the tip. It also ignores tip hole erosion and other wear factors which can lead to poor injector performance.

This change to the DIPACO tip assemblies is a running change and prior tip assemblies are not subject to any recall.