

## Cummins Select Drive Shaft Seal Update

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**DIPACO** has upgraded the **D3803477** and **D3803478** front seal kits for use in Cummins Select fuel pumps. The kits now contain improved drive shaft seals and seal installation tool. Kit **D3803477** with package code 8332 and higher along with kit **D3803478** with package code of 24182 and higher contain the new seals. The four or five digit package code is located to the right of the quantity amount on the package.

*Kits with package codes lower than the ones mentioned above should be returned for replacement with the current product. Only complete, unopened kits that are in a resalable condition are acceptable for return. Fax customer service a request for a RMA number using a Defective Material Claim form listing the quantity and part number, enter the package code in the invoice column and FI-114 as the reason for the return. Enter the RMA number supplied by customer service on your claim form, ship the claim and parts freight prepaid, UPS Ground service, to **DIPACO**. On receipt of your claim and parts we will ship replacement parts freight prepaid direct to you. All returns must have a RMA number and be received no later than May 31, 2002.*

For those new to Select fuel pump repair the information below provides basic drive shaft seal installation procedures and recommendations.

During repair of a Select fuel pump the gear pump should be updated to part number **D4010324** with integral steel drain line or the gear pump cooling line routed back to the gear pump inlet instead of to the injector return line in order to prevent premature drive shaft seal leakage. **DIPACO recommends the replacement of the gear pump drive shaft D3068889 or D3095356 if a new D4010324 gear pump is not used.**

The old seals must be pressed out squarely with the seal bore to prevent damage to the bore. Proper installation of the drive shaft seals is critical to prevent fuel leakage. The front support *should* be heated to 275° F for ½ hour prior to seal installation. Press in the seals with the cardboard support sleeve in place using Cummins tools 3823240 and 3823250. The gear pump must be installed using the seal expander on the drive shaft immediately after seal installation or install the clear seal expander in the seals until ready to install the gear pump. Both the seal expander and the gear pump drive shaft must be installed dry and care taken to not distort the seals during installation of the gear pump.