

**Cummins Select Kits +  
Installation Tips From  
DIPACO**

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**DIESEL**  
**PARTS**  
**U S A**

DIPACO offers a drive shaft seal kit, part number D3803477, and a repair kit, part number D3803478, for use with Cummins Select fuel pumps.

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

1. If the original gear pump does not have a steel line connecting to the cooling drain fitting to the side of the pump it should be **a.)** updated to part number D4954880 or **b.)** the pump cooling line should be routed back to the gear pump inlet, instead of to the injector return line, in order to prevent premature drive shaft seal leakage. **Note:** DIPACO recommends the replacement of the gear pump drive shaft D3068889 or D3095356 if an improved D4954880 gear pump is not used.
2. 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.
3. The front support *should* be heated to 275° F for ½ hour prior to seal installation.
4. Press in the seals with the cardboard support sleeve in place using Cummins tools 3823240 and 3823250.
5. 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.
6. 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.

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