

## 300 SERIES PUMP BIODIESEL AND E85 KIT 300KTG9180 INSTALLATION INSTRUCTIONS

This kit has all necessary o-rings, gaskets, and plated parts to convert the pumping unit so it can be used with E85 and B100 fuels. Not all o-rings and gaskets need to change. Some are already made from compatible material.

Aluminum will oxidize when exposed to E85 fuel. Purchase Fill-Rite model **901NMK300** nickel-plated meter kit. Purchase Fill-Rite model **6U075N** nickel plated nozzle for use with E85 fuel.

Standard fuel hoses deteriorate quickly when exposed to E85 and B100 fuels. Purchase Fill-Rite compatible hose and install to ensure a safe fueling installation. Order part number **H100G9427** for hose.

1. Disconnect power to pump motor.
2. Remove pump from lower housing (item A).
3. Install new check valve cover from kit (item 5) on lower housing.
4. Remove rotor cover (item C), rotor cover gasket (item 1), rotor (group B), seal shaft assembly (item D), bypass cap (item 4) and bypass gasket (item 3).
5. Install new bypass gasket (item 3) and bypass cap (item 4) from kit.
6. Install new Seal Assembly from kit (item 2) (See page 2 for assembly instructions). Insert rotor with vanes (group B) into pump cavity.
7. Install new O-ring gasket from kit (item 1). Replace rotor cover (item C) with two bolts.
8. Reassemble pump to lower housing (item A) using new O-ring gasket from kit (item 6).
9. Remove and install new Meter Flange (item 7 & 8) and new O-ring gaskets (item 6) from kit only if pump is equipped with a meter.

| KIT PART NO. 300KTG9180 |            |                      |      |
|-------------------------|------------|----------------------|------|
| Item No.                | Part No.   | Description          | Qty. |
| 1                       | 300G9285   | O-ring Gasket        | 1    |
| 2                       | 300KTH0034 | Seal Assembly        | 1    |
| 3                       | 800F4381   | Viton O-ring (-131)  | 1    |
| 4                       | 300G9286   | Bypass Cap           | 1    |
| 5                       | 300G8927   | Check Valve Cover    | 1    |
| 6                       | 300F7788   | O-ring Gasket (-224) | 3    |
| 7                       | 900F8106   | Meter Flange         | 1    |
| 8                       | 900G9478   | Meter Flange         | 1    |
| 9                       | 400F0191   | O-ring Gasket (-231) | 1    |

