

**700B SERIES PUMP BIODIESEL and E85 KIT  
700KTG9179  
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 **807CNMK** 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 **H034G9428** for hose.

1. Disconnect power to pump motor.
2. Remove pump from inlet casting (item A) and meter or outlet fitting (item 8).  
**NOTE:** If pump is equipped with meter, remove meter since item 8 will not be installed.
3. Remove rotor cover (item E) and rotor cover gasket (item 1).
4. Remove rotor, vanes, and rotor key (group C).
5. Remove seal assembly (item G), O-ring (item 6), poppet insert (item 5) from poppet (item H), strainer gasket (item 7) and check valve components (items 3, B, D).
6. Blow out and clean any foreign particles from the pump housing (item G).
7. Install new Seal Assembly from kit (item 2). See page 2 for instructions.
8. Install vanes and rotor key into rotor. Slide rotor with vanes and rotor key (group C) back onto motor shaft.
9. Install new rotor cover gasket from kit (item 1) and replace rotor cover (item E) using two bolts.
10. Install new strainer gasket from kit (item 7).
11. Install new poppet insert (item 5) and new bypass gasket (item 6) from kit.
12. Using new gasket from kit (item 3):  
a.) Place check valve (item B) in pump.  
b.) Reinstall meter or new outlet fitting from kit (item 8) with gasket (item D). If pump is equipped with meter, install meter and discard outlet fitting from kit (item 8).
13. Reinstall pump to inlet casting (item A) inserting new gasket from kit (item 4) in between pump housing (item G) and inlet casting (item A).

KIT PART NO. 700KTG9179			
Item No.	Part No.	Description	Qty.
1	300G9285	O-ring Gasket	1
2	300KTH0034	Seal Assembly	1
3	700F2801	O-ring Custom	1
4	300F7788	O-ring Gasket (-224)	1
5	1200F2758	Poppet Insert	1
6	1200G9290	O-ring Gasket (-121)	1
7	700F4381	O-ring Gasket (-131)	1
8	700G9291	Outlet Fitting	1

