Instructions for Installation of DEF Rotor Kit

**IMPORTANT!** Before opening your DEF pump to install this kit, be certain it has been thoroughly flushed and rinsed with de-ionized water. This will prevent the formation of DEF crystals in the pump housing and minimize the possibility of damage or “locking” of the rotor on restart.

1) Remove the rotor cover (item #2) by removing the fastening hardware (item #8).
2) Remove the O-ring seal (item #3) and discard. Inspect the seal seat for damage or debris. Clean as needed.
3) Using needle nose pliers, gently remove the rotor vanes (item #4), taking note of their orientation in the rotor.
4) Remove the rotor (item #5) from the pump housing.
5) Remove the rotor key (item #6) from the motor shaft.
6) Using a soft dry cloth, wipe the inside of the pump housing thoroughly. Inspect the rotor chamber for damage, debris, and abnormal or excessive wear. Clean as needed; do not use harsh chemicals or abrasive cleaners. Be sure the chamber is clean and dry before beginning reassembly.
7) Install new rotor key (item #6) onto motor shaft. Note position of rotor for correct rotation. Install rotor (item #5).
8) Insert rotor vanes into rotor; be certain they are positioned for proper rotation (insert vanes so the ribs are to the front and the angled end is at the top as shown in pictures).
9) Install bushing (item #2) in rotor (item #2) cover, and the new O-ring seal into position on the pump housing. Be sure it is seated properly and not twisted or pinched.
10) Install rotor cover using new hardware (item #7).