







ES-1157-C MARKING SYSTEM

SYSTEM STARTUP

ES-1157 startup begins with "bleeding the system"

-Turn off ink shut off valve and remove the tube adapter. Leave the tube adapter intact and pull from pump body.

-To "bleed the system" flush out poppet valve by opening ink shut off valve and allow ink to flush poppet valve. Shut off ink valve and reassemble.

SERVICE SOLUTIONS

PROBLEM: Leak from pump body

SOLUTION: Replace the ES-1157-C-7 Cup Seal

CUP SEAL: Located in the pump body

The spring side of the cup seal FACES the ink inlet fitting

PROBLEM: Leakage from front

SOLUTION: Replace ES-1157-C-8 Poppet Valve &

ES-1157-C-9 Poppet Valve Spring

Poppet Valve & Poppet Valve Spring

Shuts off ink and remove tube adapter, leaving tube adapter intact and pull from the pump body. Wash spring with solvent and wash out inside of tube adapter when replacing poppet valve. The poppet valve will NEED TO BE REPLACED when the appearance of grooves, rings or Roughness occurs on the conical nose of the poppet valve.

To remove an existing <u>Air Lock or to avoid an AIR LOCK</u> during reassembly, flush out poppet valve by opening ink shut valve and allow the ink to flush poppet valve. Shut off valve and reassemble.

PROBLEM: Loss of efficiency and reliability

SOLUTION: The pump piston and pump body should be replaced when severe wear

Occurs on one side of the piston, thus indicating a bent condition.

THE PUMP BODY AND PUMP PISTON MUST BE ORDERED TOGETHER, BECAUSE THEY ARE A MATCHED SET.

