



TECH BULLETIN

054
10/95

Published regarding engineering changes and improvements

SUBJECT: 2 Piece Seal Retainer - Plunger Pump

To simplify servicing and to assure proper seating of the Lo-Pressure Seals in the **5PFR-7PFR** Pumps, a 2 piece Seal Retainer eliminates the old style snap-ring. This 2 piece Seal Retainer will continue to hold the wick, which should be replaced at the time of seal servicing. **Note:** New seal cases will not have a machined groove to hold the snap-ring and the 2 piece Seal Retainer must be installed to secure the Lo-Pressure Seal.

When servicing the snap-ring style pumps, **remove the existing Seal Retainer with wick and snap-ring and discard. Note:** All 45344, 44434, and 101793 snap-rings will be discontinued and automatically replaced with new 2 piece Seal Retainer 45681 and 45682.

With the new 2 piece Seal Retainer, insert the wick into the large diameter recess of Seal Retainer. Then snap the Adapter onto the Rear Seal Retainer. Be sure to line up slots. Then, insert retainer assembly over plunger with wick extension down and small O.D. out (wick forward). Proceed with seal replacement as described in Service Manual or Plunger Pump Service Video Section I. **DO NOT INSTALL NEW SNAP-RING on 5FR or 7FR PUMPS.**

Frame	Model	Item	Old P/N	New P/N Effective 05890101
5FR	31, 34, 35, 310, 340, 350	Seal Case (Brass)	43304	45679, 45681, 45682
	317, 347, 357	Seal Case (S.S.)	45075	45680, 45681, 45682
	311, 341, 351	Seal Case	45075	45680, 45681, 45682
	All 5FR	Seal Retainer	43352	45681, 45682
	All 5FR	Wick	43302	43302
7FR	53, 530, 58G1	Seal Case	43242	45683, 45686, 45687
	55, 550, 51G1	Seal Case	43315	45684, 45686, 45687
	56, 57, 59, 60	Seal Case	44547	45685, 45686, 45687
	All 7FR	Seal Retainer	43238	45686, 45687
	53, 530, 540, 55, 550, 51G1	Wick	43239	43239

CAT PUMPS
Technical Services Department

Rev. 11/99