



# TECH BULLETIN

**098**  
10/05

*Published regarding engineering changes and improvements*

**SUBJECT:** Seal Retainers - 15PFR Plunger Pumps

Retaining Ring/Seal Cases - Models: 650, 651, 660, 661, 1050, 1051, 1051C, 1057

To assure proper seating of the Lo-Pressure seal and to simplify servicing of the 15PFR plunger pumps, the retaining ring has been eliminated. Because the retaining ring has been eliminated, the above listed seal cases have been modified to eliminate the retaining ring groove and a new 2-piece seal retainer has been introduced. This new 2-piece seal retainer holds the Lo-Pressure seals in place, as well as the wicks.



Even though the 1530 and 1531 models did not use retaining rings or seal cases, a new 2-piece seal retainer has been introduced for these models as well.

When servicing pumps with the old retaining ring, remove existing seal retainers with wicks and retaining rings and **DISCARD ALL THREE ITEMS**. If the old style seal case is in good condition, it can still be used with the new seal retainer and wick, **HOWEVER, DO NOT INSTALL THE OLD RETAINING RING**. If the old style seal case is in poor condition, then follow chart below for a new seal case and seal retainer for your pump model.

To assure proper servicing, the new 2-piece seal retainer is included in the seal kit for all 15PFR plunger pumps. NOTE: Wicks are not included in seal kits. These modifications start with the manufacturing date of 7/05.

Data Sheet Item No.	OLD PART NUMBER			NEW PART NUMBER		
	Part No.	MTL	Description	Part No.	MTL	Description
100	43509	POP	Seal Retainer	855001	POP	Seal Retainer 2-Pc (650-1057)
—	—	—	—	899509	POP	Seal Retainer 2-PC (1530, 1531)
103	44036	S	Retaining Ring	—	—	—
120	49150	SSL	Seal Case (651, 661)	49284	SSL	Seal Case (651, 661)
120	48464	SSNP	Seal Case (1051, 1051C, 1057)	49286	SSNP	Seal Case (1051, 1051C, 1057)
120	43555	BB	Seal Case (1050)	49290	BB	Seal Case (1050)
120	46065	BB	Seal Case (650, 660)	49291	BB	Seal Case (650, 660)

Material Codes: BB=Brass POP=Polypropylene S=304SS SSL=316SS Low Carbon SSNP=316SS, Nickel Plated

**CAT PUMPS**  
Technical Services Department

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