



# TECH BULLETIN

114  
1/11

*Published regarding engineering changes and improvements*

**SUBJECT: 35 and 38PFR Spacer w/Coil Springs, Coil Spring, V-Packing Cylinder, V-Packing Spacer and Spacer.**

**Models 3520, 3520C, 3521, 3521C, 3527, 3821, 3821K**

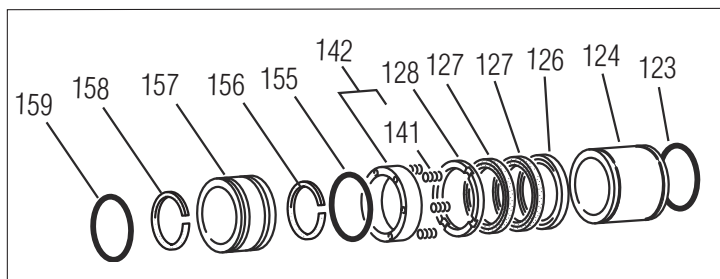
For ease in assembly and more uniform support for the V-Packings (item 127), the spacer w/coil springs (141/142) design has been replaced with a single large coil spring (141). Because of this modification, the V-Packing spacer (157) along with back-up-ring (156) and o-ring (155) have been eliminated, the V-Packing cylinder (124) has been redesigned, and a new spacer (122) has been added.

When ordering replacement parts, the previous design must be replaced with all three parts of the current design as shown in the chart below. The three parts are the large coil spring (141), modified V-Packing cylinder (124) and new spacer (122).

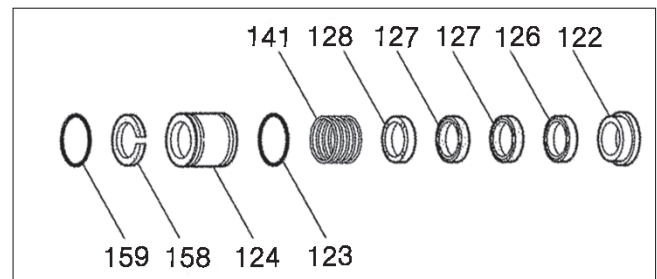
**Note:** V-Packing cylinder o-rings (123), female adapters (126), V-Packings (127) and male adapters (128) have not changed.

**This change will be phased in starting with April 2011 production.**

**Previous Design**



**Current Design**



Pump Model	Data Sheet Item No.	PREVIOUS PART NUMBER				NEW PART NUMBER			
		Part No.	MTL	Description	QTY	Part No.	MTL	Description	QTY
3520, 3520C	122			Did not exist		49744	BB	Spacer	3
	124	46348	BB	Cylinder, V-Packing	3	49742	BB	Cylinder, V-Packing	3
	141	45113	SS	Spring, Coil	18	49743	SS	Coil Spring, Large	3
	142	46349	BB	Spacer, w/Coil Springs	3			No longer used	0
	155	48861	NBR	O-Ring, V-Packing Spacer	3			No longer used	0
	156	48371	D	Back-up-Ring, V-Packing Spacer	3			No longer used	0
	157	43966	BB	Spacer, V-Packing	3			No longer used	0
	158	48362	D	Back-up-Ring, V-Packing Spacer	3			No change	3
	159	48860	NBR	O-Ring, V-Packing Spacer	3			No change	3
3521, 3521C, 3527 3821, 3821K	122			Did not exist		49782	SS	Spacer	3
	124	45563	SS	Cylinder, V-Packing	3	49783	SS	Cylinder, V-Packing	3
	141	45113	SS	Spring, Coil	18	49743	SS	Coil Spring, Large	3
	142	45566	SS	Spacer, w/Coil Springs	3			No longer used	0
	155	48861	NBR	O-Ring, V-Packing Spacer	3			No longer used	0
	156	48371	D	Back-up-Ring, V-Packing Spacer	3			No longer used	0
	157	45674	SS	Spacer, V-Packing	3			No longer used	0
	158	48362	D	Back-up-Ring, V-Packing Spacer	3			No change	3
	159	48860	NBR	O-Ring, V-Packing Spacer	3			No change	3

Material Codes: BB = Brass, D = Acetal, NAB = Nickel Aluminum Bronze, NBR = Medium Nitrile (Buna-N) SS = 316 Stainless Steel

**CAT PUMPS**  
Technical Services Department