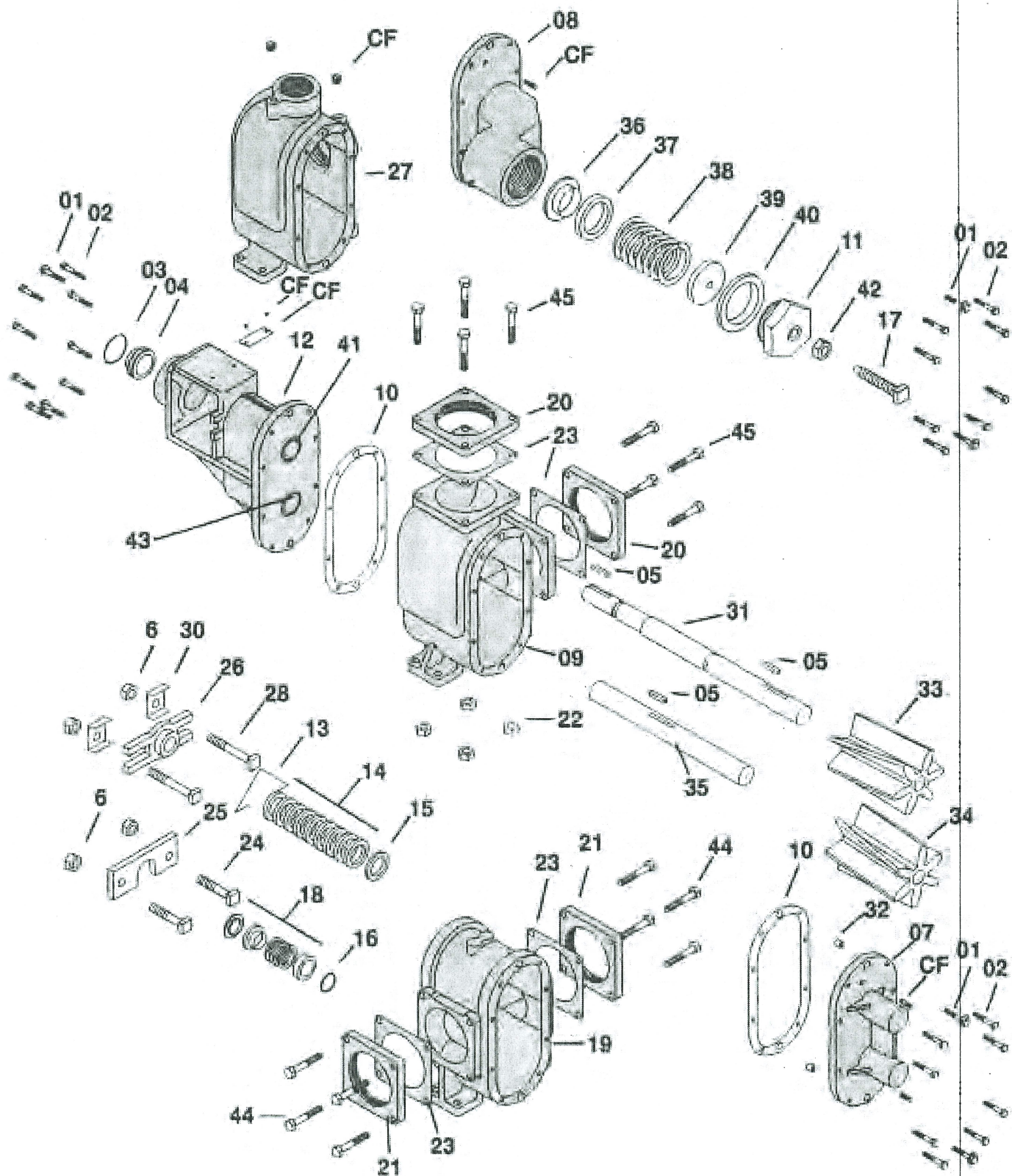


Picture RA
119P-228M HB, F, RV

RANGER PUMPS
MEMPHIS, TN



RANGER, INC.

Ranger, Inc.
R06-11-1

USE PICTURE REFERENCE RA

RANGER 489M, 489P, HB, F, RV (Reference Roper® 3611-3722HB)

PIC NO.	PART DESCRIPTION		35		48		58	
			RANGER PART #	Competitor PART#	RANGER PART #	Competitor PART#	RANGER PART #	Competitor PART#
01	Key	1	05C-252520	D30-10	05C-252523	D30-11	05C-252520	D30-10
02	Hex Hd. Cap Screw	14	N/A	_____	B60-050150	G49-050150	N/A	_____
03	Retaining Ring	1	03C-284I	G41-5	03C-284I	G41-5	03C-284I	G41-5
04	Ball Bearing	1	04C-144284	G40-35	04C-144284	G40-35	04C-144284	G40-35
05	Key Std.	2	05C-252520	D30-10	05C-252520	D30-10	05C-252520	D30-10
06	Locknut 1/2-13	2	N61-050	G43-12	N61-050	G43-12	N61-050	G43-12
07*	Plain Rearplate Assy.	1	N/A	_____	REFER TO CHART	_____	N/A	_____
08*	RV Rearplate Assy.	1	N/A	_____	REFER TO CHART	_____	N/A	_____
09	Case	1	N/A	_____	09I-48U	P1-481	N/A	_____
10	Gasket Case	2	N/A	_____	10F-02U	D11-397	N/A	_____
11	Plug Cap, RV	1	11I-02U	P14-44	11I-02U	P14-44	11I-02U	P14-44
12*	Driveplate Assy.	1	N/A	_____	REFER TO CHART	_____	N/A	_____
13	Spring Clip	1	13C-02U	D42-3	13C-02U	D42-3	13C-02U	D42-3
14	Packing Set TFE (Std.)	1	14X-02U	N43-3	14X-02U	N43-3	14X-02U	N43-3
14	Packing Set Graphite	1	14G-02U	N43-156	14G-02U	N43-156	14G-02U	N43-156
15	Washer Packing	1	15C-02U	G8-249	15C-02U	G8-249	15C-02U	G8-249
16	Retaining Ring External	1	03C-144E	G41-155	03C-144E	G41-155	03C-144E	G41-155
17	RV Screw Adjust	1	B60-100NPTS	D15-42	B60-100NPTS	D15-42	B60-100NPTS	D15-42
18	Mech Seal Compl., Buna-N	1	18B-144225	G4-112	18B-144225	G4-112	18B-144225	G4-112
18	Mech Seal Compl., Viton	1	18V-144225	G4-142	18V-144225	G4-142	18V-144225	G4-142
19	Hex Head Cap Screw	8	N/A	_____	B62-063225	G49-062200	B62-063225	G49-062200
20	Flange, 3" Straight NPT	2	N/A	_____	20I-22NPT3	P23-10	N/A	_____
21	Flange, Straight 4" (Std.)	2	21I-22NPT	P23-19	21I-22NPT4	P23-19	N/A	_____
22	Nut Plug Cap	1	N/A	_____	N60-050T	G44-050	N/A	_____
23	Gasket, Flange	2	N/A	_____	23V-22U	D11-90	N/A	_____
24	Square Head Bolt	2	B40-050150	G67-050125	B40-050150	G67-050125	B40-050150	G67-050125
25	Retainer Plate, Seal	1	25C-02U	D23-267	25C-02U	D23-267	25C-02U	D23-267
26	Packing Gland	1	26I-02U	P10-179	26I-02U	P10-179	26I-02U	P10-179
27	Hex Head Cap Screw	2	N/A	_____	B60-050600	G49-05060	N/A	_____
28	Square Head Bolt	2	B40-050275	G67-050300	B40-050275	G67-050300	B40-050275	G67-050300
29	Flange, Elbow Kit 4"	1 or 2	29I-48SK	N14-24	29I-48SK	N14-24	N/A	_____
30	Clip, Packing Gland	2	30C-02U	D42-4	30C-02U	D42-4	30C-02U	D42-4
31	Shaft, Drive	1	N/A	_____	31C-48R	D1-2009	31C-48R	D1-2009
32	Dowel Pin	4	N/A	_____	D70-050150	D48-49	N/A	_____
33	Gear, LH	1	N/A	_____	33I-48U	P6-383	N/A	_____
34	Gear, RH	1	N/A	_____	34I-48U	P6-384	N/A	_____
35	Shaft, Idler	1	N/A	_____	35C-48U	D1-2087	35C-48U	D1-2087
36	RV Poppet/Guide Spring	2	36C-02U	D16-112	36C-02U	D16-112	36C-02U	D16-112
37	Stud	1	N/A	_____	P78-050150	_____	_____	_____
38	Spring, Standard	1	38C-02U	G10-383	38C-02U	G10-383	38C-02U	G10-383
39	Spring, High Pressure	1	38C-02H	G10-386	38C-02H	G10-386	38C-02H	G10-386
40	O Ring Gasket, Plug Cap	1	40B-350013	G14-485	40B-350013	G14-485	40B-350013	G14-485
41**	Bushing, Short	1	PLEASE REFER TO CHART	AT THE BOTTOM OF THIS PAGE	AT THE BOTTOM OF THIS PAGE	AT THE BOTTOM OF THIS PAGE	AT THE BOTTOM OF THIS PAGE	AT THE BOTTOM OF THIS PAGE
42	Nut Lock Seal	1	N65-100NPTS	G33-6	N65-100NPTS	G33-6	N65-100NPTS	G33-6
43**	Bushing, Long	3	PLEASE REFER TO CHART	AT THE BOTTOM OF THIS PAGE	AT THE BOTTOM OF THIS PAGE	AT THE BOTTOM OF THIS PAGE	AT THE BOTTOM OF THIS PAGE	AT THE BOTTOM OF THIS PAGE
44	Pipe Plug 1/4" NPT	2	P45-025NPT	G56-12	P45-025NPT	G56-12	P45-025NPT	G56-12
45	Hex Hd Cap Screw	2	_____	_____	B66-063175	_____	_____	_____
46	Hex Hd Cap Screw	2	_____	_____	B62-063650	_____	_____	_____
47	Lube Filling	1	_____	_____	73B-019050	_____	_____	_____

*ENTER MATERIAL CODES TO COMPLETE REQUIRED PART NUMBERS

PLAIN REARPLATE

0 7 - 0 2 U

RV REARPLATE

0 8 - 0 2

DRIVEPLATE ASSY

1 2 - 0 2

BUSHING MATERIAL CODE

RV CODE

MODEL CODE

B = Bronze
C = Carbon

U = No RV Parts
R = Regular
H = Hi-Pressure

R = Regular (HB)
H = Hydraulic Drive
G = Gear Reduction

**Bushing Part Number

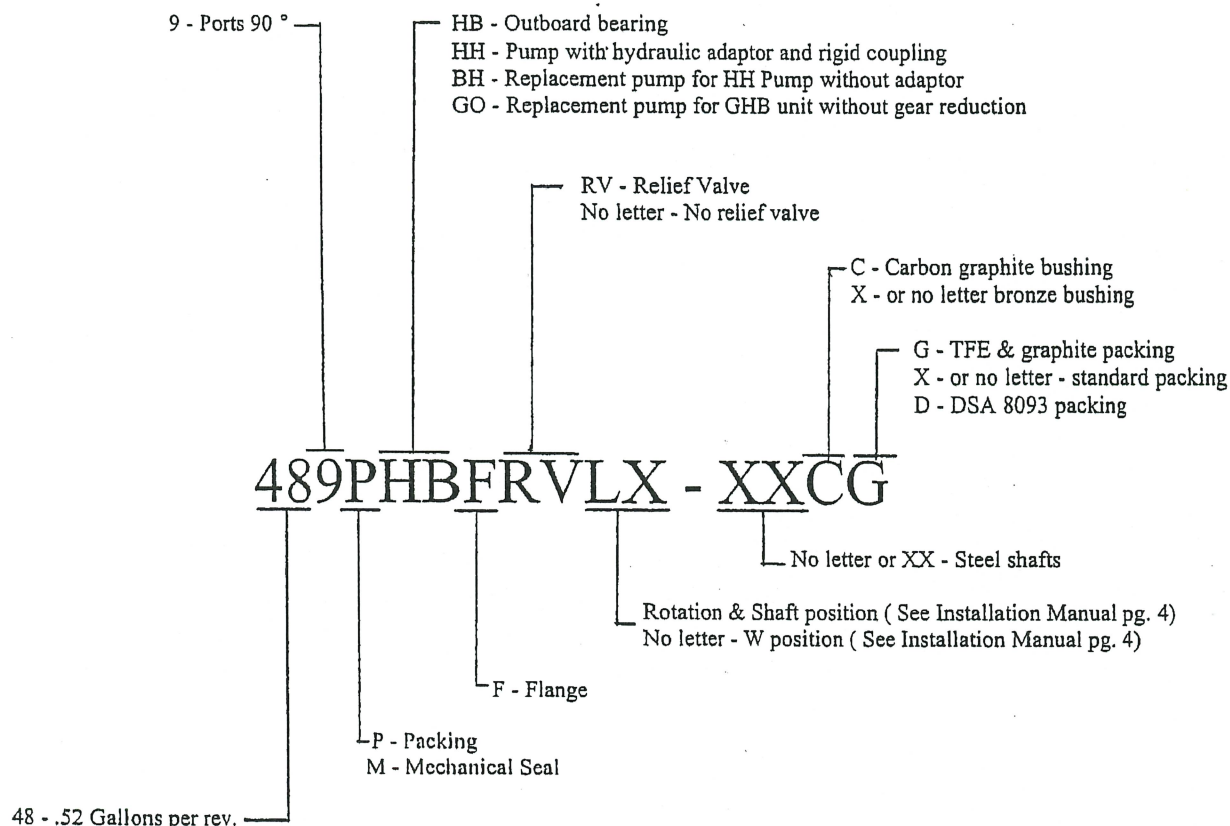
43B-02U Bronze, Long
41B-02U Bronze, Short
43C-02U Carbon, Long
41C-02U Carbon, Short

Section E

PUMP IDENTIFICATION

Ranger, Inc. uses four (4) ways to identify our pumps. **MODEL NUMBER, SPEC NUMBER, TYPE** and **SERIAL NUMBER**. Each pump has an identification plate containing the above information with the exception of some pumps do not require a spec number.

MODEL Number nomenclature -



SPECification Number - This is used to identify special construction of our pumps, ie carbon bushings, special packing, stainless steel shafts etc.

TYPE NUMBER - This is used internally by Ranger, Inc. to identify current design type.

SERIAL NUMBER - Is assigned by Ranger, Inc. to identify each pump manufactured.

