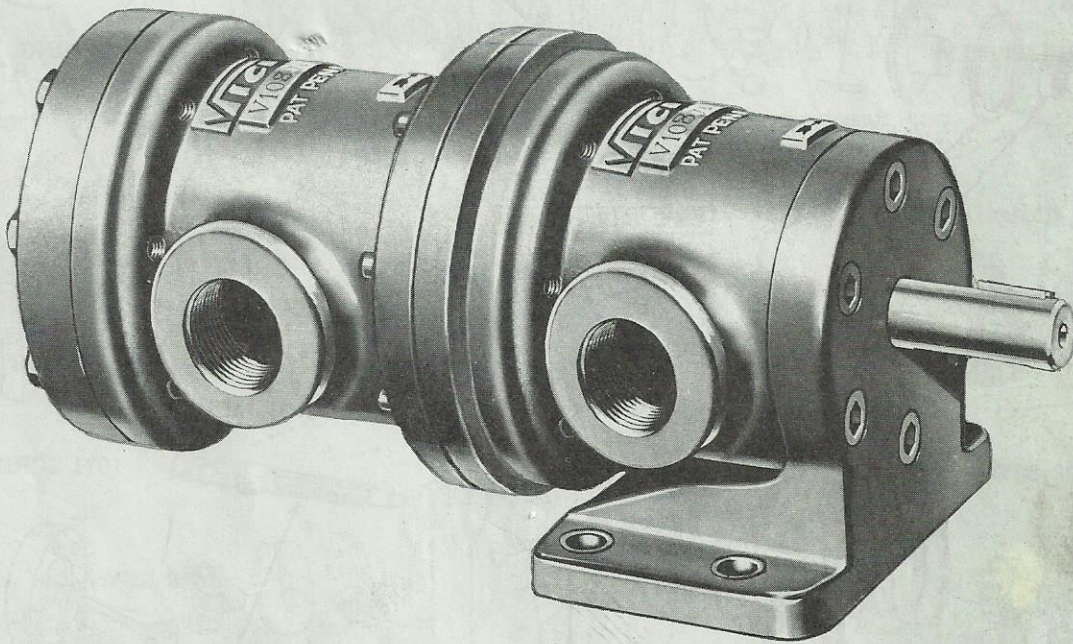


Service Parts Information

Vane
Type
Double
Pumps

Small Series
V, VK, VS, VSK-108, 109, 110-* -10



WARNING: USE THIS DRAWING FOR PARTS INFORMATION ONLY.

-10 DESIGN

PUMP LETTER	CAP. GPM	BUSHING R.H.orL.H.		PIN	ROTOR	VANE KIT (12 VANES)	RING	BUSHING R.H.orL.H.		CARTRIDGE KIT (2 REQ'D)
Y	1.8						12220			912017
E	2.7						2299			912015
G	3.7						40151			912016
A	5.3	2016	2015	2020	2008	912021	2011	2015	2016	912013
C	8.2									912014
D	11.5									912018
THESE PARTS ARE INCLUDED IN CARTRIDGE KITS										
					2007	912022	2014			

1071 SCREW (8 REQ'D)
TORQUE TO 50 lb. in.

PUMP LETTER	HEAD
A, C, E, G, Y	2303
D	2304

PUMP LETTER	HEAD
A, C, E, G, Y	24064
D	21608

1071 SCREW (6 REQ'D)

#2546 GASKET

#2240 PACKING

#2021 PACKING

#2021 PACKING
1700 BEARING

MODEL	BODY
V & VK	188235
VS & VSK	190089

1073 SCREW (6 REQ'D)

2305 FLANGE

1273 SCREW (8 REQ'D)
TORQUE TO 50 lb. in.

#2546 GASKET

98653 SNAP RING

188233 FLANGE MOUNTING

1071 SCREW (6 REQ'D)

1612 KEY

1704 BEARING

MODEL	SHAFT
V & VS	188603
VK & VSK	188602

188234 FOOT MOUNTING

SEE ABOVE
CARTRIDGE KIT PARTS

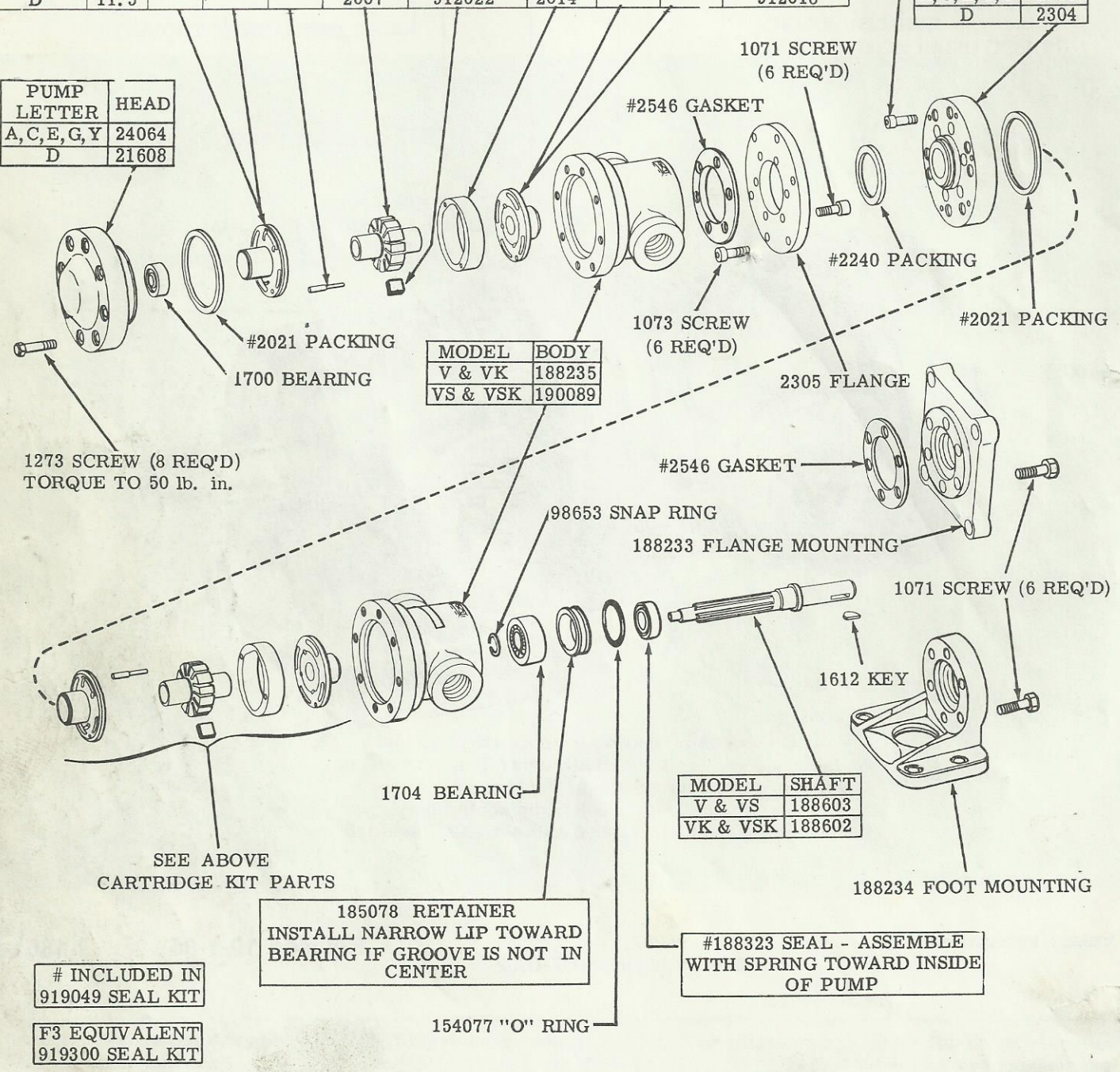
185078 RETAINER
INSTALL NARROW LIP TOWARD
BEARING IF GROOVE IS NOT IN
CENTER

#188323 SEAL - ASSEMBLE
WITH SPRING TOWARD INSIDE
OF PUMP

INCLUDED IN
919049 SEAL KIT

F3 EQUIVALENT
919300 SEAL KIT

154077 "O" RING



SEE OVERHAUL MANUAL I-3100-S FOR MAINTENANCE INFORMATION

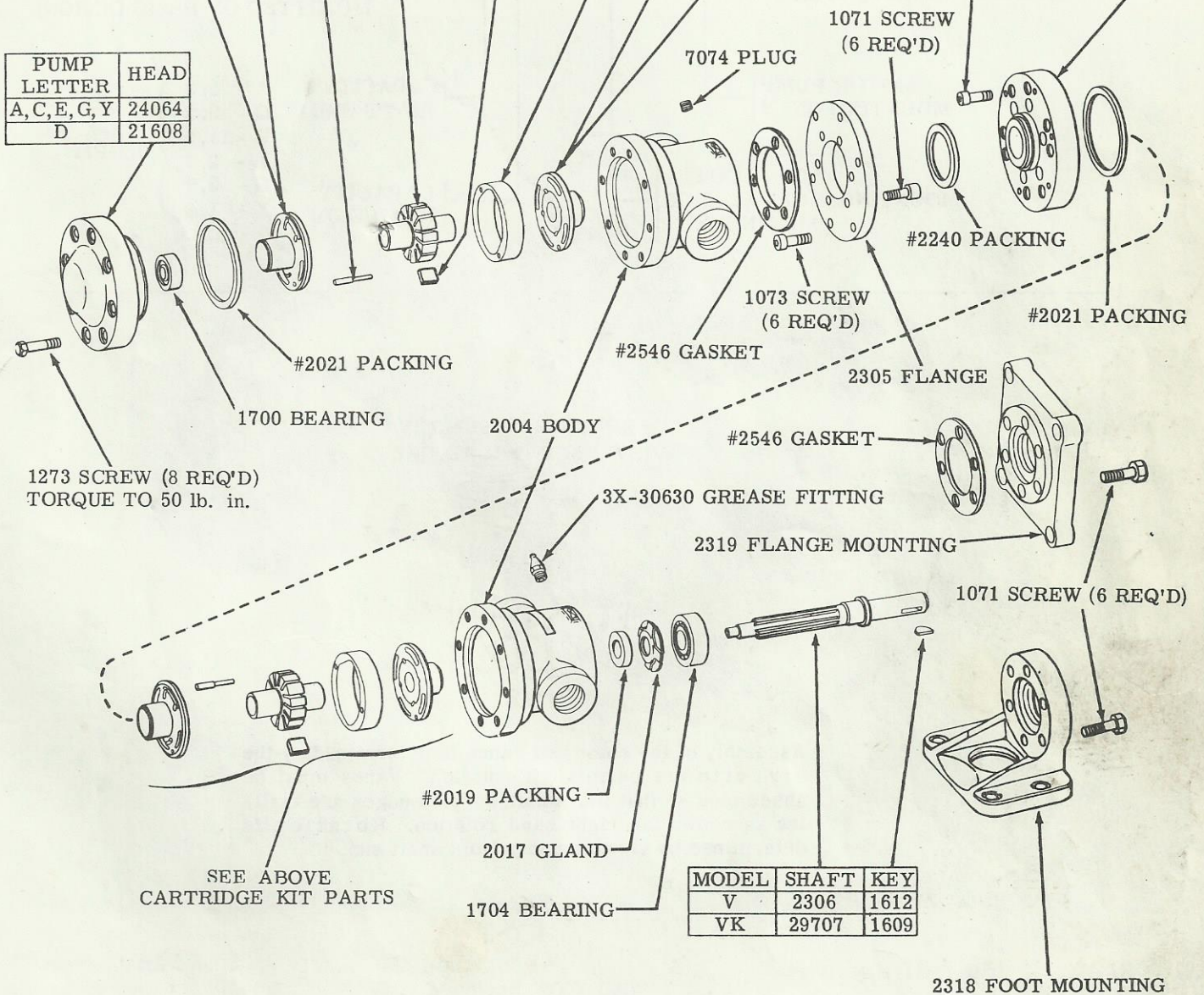
BASIC DESIGN

PUMP LETTER	CAP. GPM	BUSHING R. H. or L. H.	PIN	ROTOR	VANE KIT (12 VANES)	RING	BUSHING R. H. or L. H.	CARTRIDGE KIT (2 REQ'D)
THESE PARTS ARE INCLUDED IN CARTRIDGE KITS								
Y	1.8					12220		912017
E	2.7					2299		912015
G	3.7					40151		912016
A	5.3	2016	2015	2020	2008	912021	2011	912013
C	8.2						2013	912014
D	11.5			2007	912022	2014		912018

1071 SCREW (8 REQ'D)
TORQUE TO 50 lb. in.

PUMP LETTER	HEAD
A, C, E, G, Y	2303
D	2304

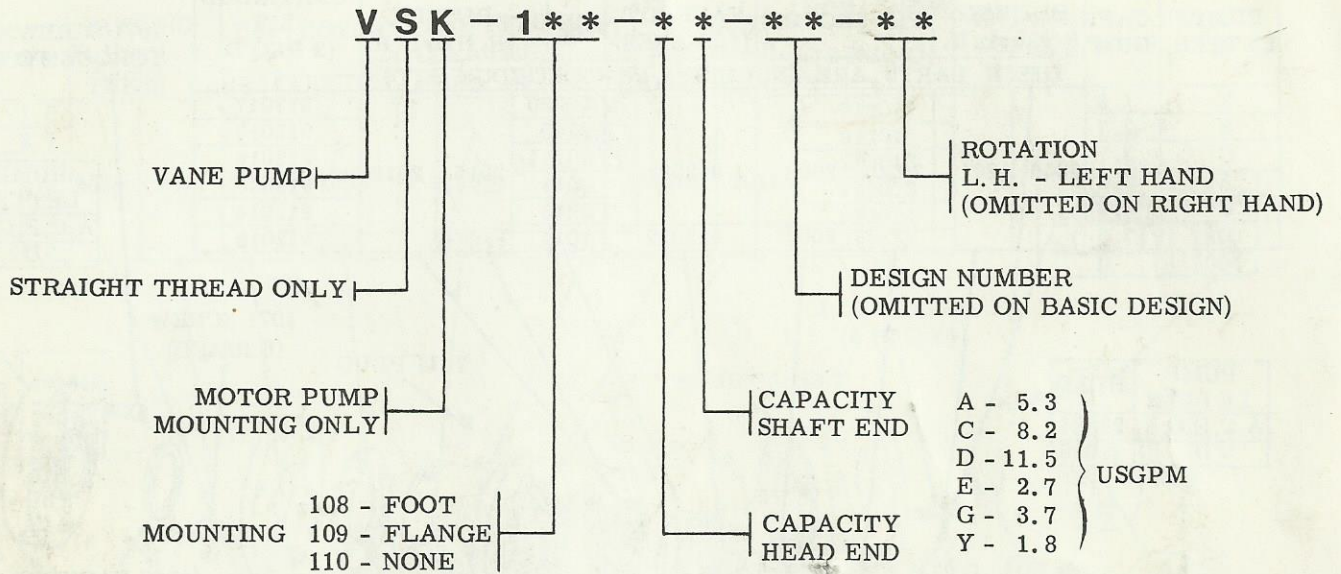
PUMP LETTER	HEAD
A, C, E, G, Y	24064
D	21608



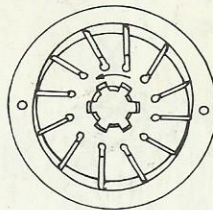
MODEL	SHAFT	KEY
V	2306	1612
VK	29707	1609

#INCLUDED IN
912098 SEAL KIT

MODEL CODE BREAKDOWN



CARTRIDGE ASSEMBLY
VIEW FACING HEAD END



Assembly of the rotor and vanes is determined by the direction of pump shaft rotation. Vanes must be assembled so that the small beveled edges are trailing as shown for right hand rotation. Rotation is determined by viewing pump from shaft end.

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner. Selections from Vickers OFP, OFR, and OFRS series are recommended.