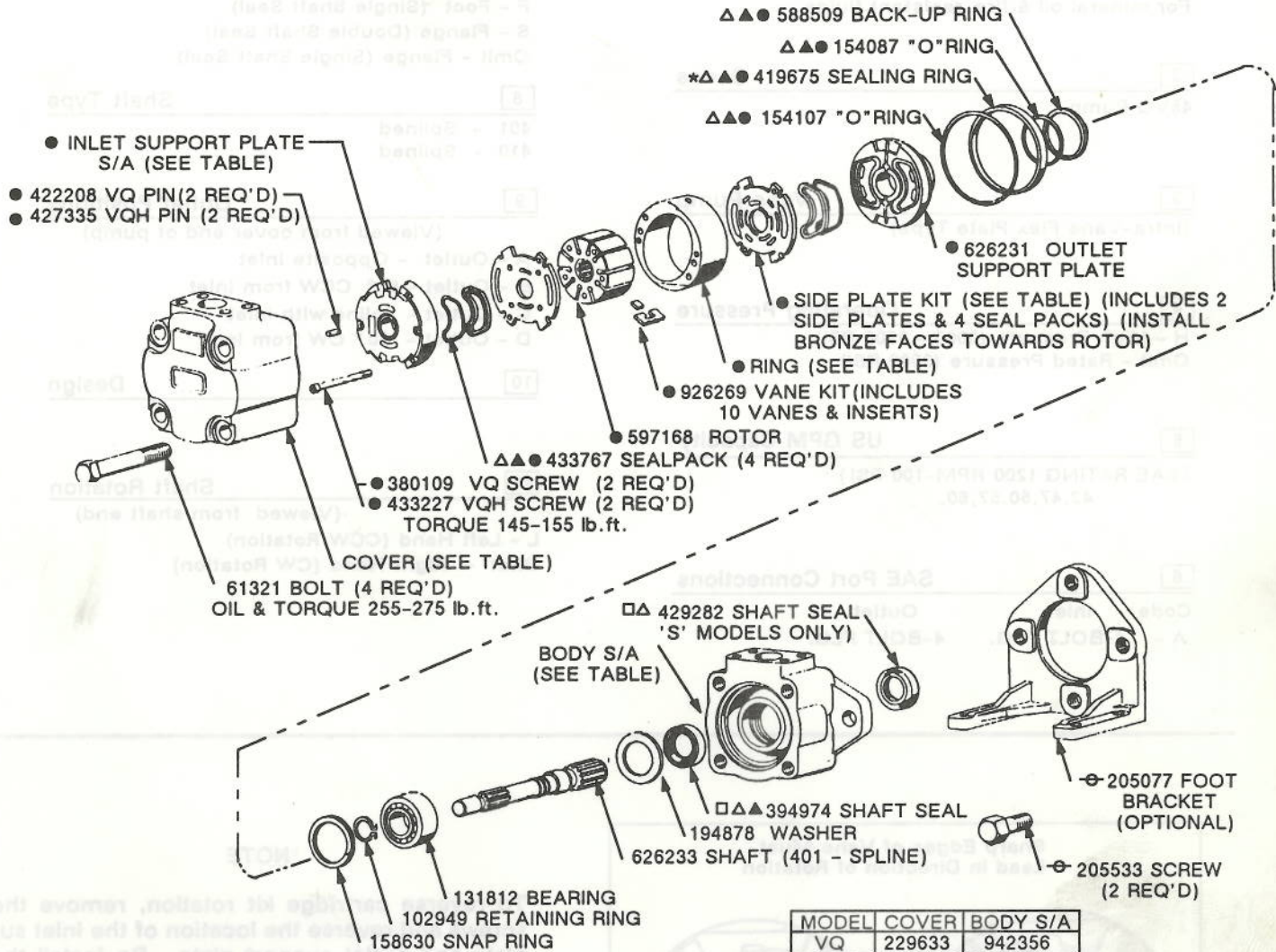


Service Parts Information



VANE TYPE
SINGLE PUMPS

45VQ(H)**A*-** *-30(L)



- INCLUDED IN STD. CARTRIDGE KIT (SEE TABLE) EQUIVALENT F3 CARTRIDGE KIT (SEE TABLE)
- ▲ INCLUDED IN SINGLE SHAFT SEAL KIT 920025 F3 EQUIVALENT SINGLE SHAFT SEAL KIT 920027
- ▲ INCLUDED IN DOUBLE SHAFT SEAL KIT 920026 F3 EQUIVALENT DOUBLE SHAFT SEAL KIT 920028
- ⊖ INCLUDED IN FOOT BRACKET KIT FB-C-10
- ASSEMBLE SEAL WITH SPRING LOADED SEALING MEMBER TOWARDS BEARING SEALS TO BE COMPLETELY WETTED WITH OIL PRIOR TO ASSEMBLY
- * INSTALL 419675 SEALING RING INTO BODY, THEN INSTALL CARTRIDGE KIT

MODEL	COVER	BODY S/A
VQ	229633	942356
VQH	427333	924018

MODEL (USGPM)	INLET SUPPORT PLATE S/A	SIDE PLATE KIT	CARTRIDGE KIT		
			RING	STD	F3
45VQ42	631855	926270	631858	630654	630646
45VQ47			628307	630647	630653
45VQ50			631859	630656	630648
45VQ57			630645	630649	630655
45VQ60			631862	630658	630650
45VQH42	631857	924017	631858	634897	634901
45VQH47			628307	634898	634902
45VQH50			631859	634899	634903
45VQH57			630645	634900	634904
45VQH60			631862	634908	634907

INDIVIDUAL CARTRIDGE PARTS & KITS ARE NOT INTERCHANGEABLE WITH PREVIOUS DESIGNS.

MODEL CODE BREAKDOWN

(F3) 45 VQ (H) 42 A F * A 30 L
 1 2 3 4 5 6 7 8 9 10 11

1 Special Seals
 For mineral oil & fire resistant fluids.

2 Series
 45VQ Pump

3 Vane Pump
 (Intra-Vane Flex Plate Type)

4 Operating Pressure
 H - High Pressure (3000 - 3500 PSI)
 Omit - Rated Pressure (3000 PSI)

5 US GPM Capacity
 (SAE RATING 1200 RPM-100 PSI)
 42,47,50,57,60,

6 SAE Port Connections

Code	Inlet	Outlet
A -	4-BOLT FLG.	4-BOLT FLG.

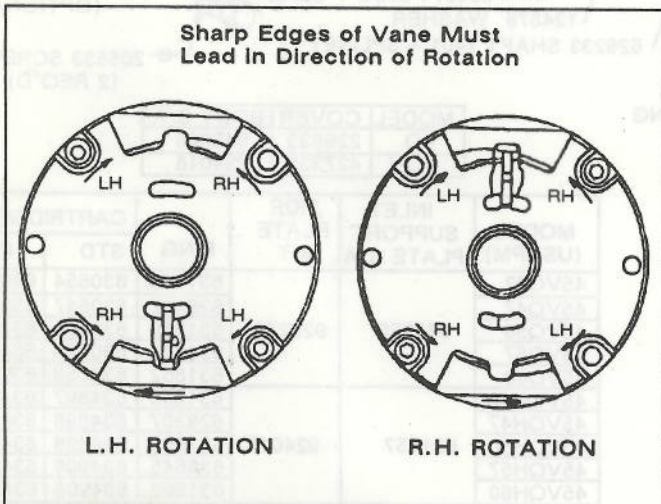
7 Mounting
 F - Foot (Single Shaft Seal)
 S - Flange (Double Shaft Seal)
 Omit - Flange (Single Shaft Seal)

8 Shaft Type
 401 - Splined
 410 - Splined

9 Outlet Positions
 (Viewed from cover end of pump)
 A - Outlet - Opposite Inlet
 B - Outlet - 90° CCW from Inlet
 C - Outlet - Inline with Inlet
 D - Outlet - 90° CW from Inlet

10 Design

11 Shaft Rotation
 (Viewed from shaft end)
 L - Left Hand (CCW Rotation)
 Omit - Right Hand (CW Rotation)



NOTE

To reverse cartridge kit rotation, remove the two screws and reverse the location of the inlet support plate and outlet support plate. Re-install the two screws hand tight. Use pump cover to align all sections of the cartridge. Carefully remove the cover and tighten the screws to recommended torque value.

When ordering spare cartridge parts, it is recommended they be obtained in cartridge kits. Kits are assembled and tested by Vickers for either right or left hand rotation. If left hand rotation is required, it should be specified on parts order by adding suffix " L" to cartridge kit number.

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 filter series are recommended.