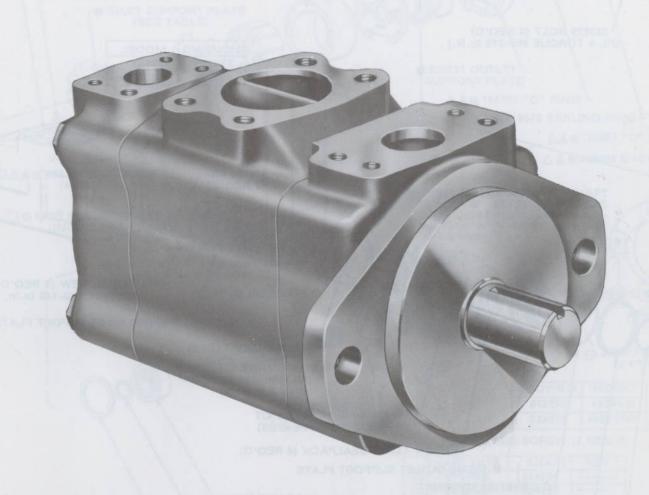


Service Parts Information

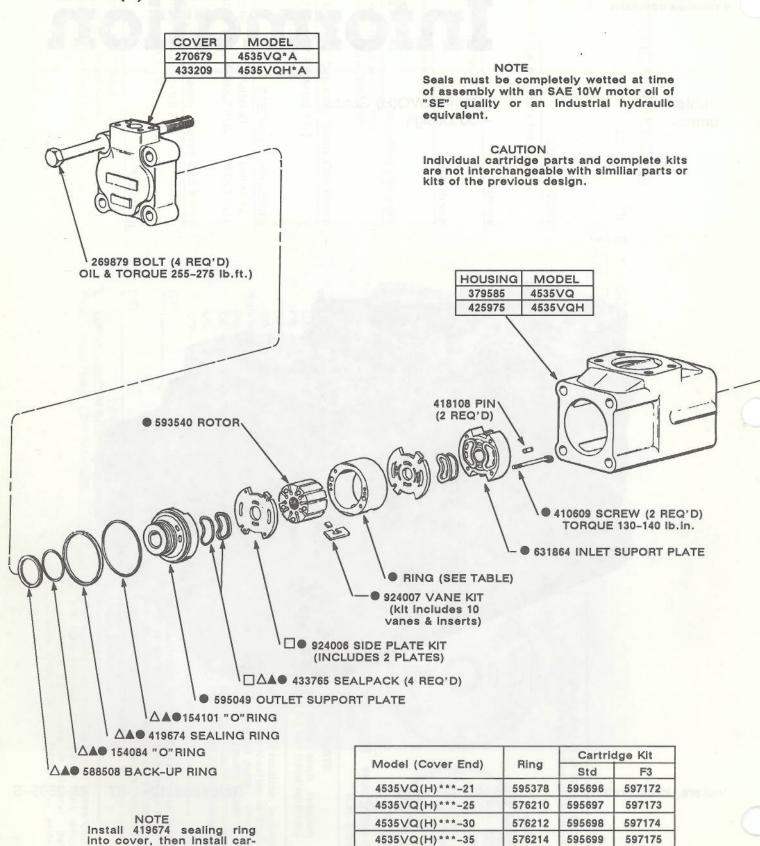
Double Pumps (F3)-4535VQ(H) Series - 30 Design



Vickers, Incorporated

1401 Crooks Road Troy, Michigan 48084 Released 10-1-87 M-2509-S

tridge.



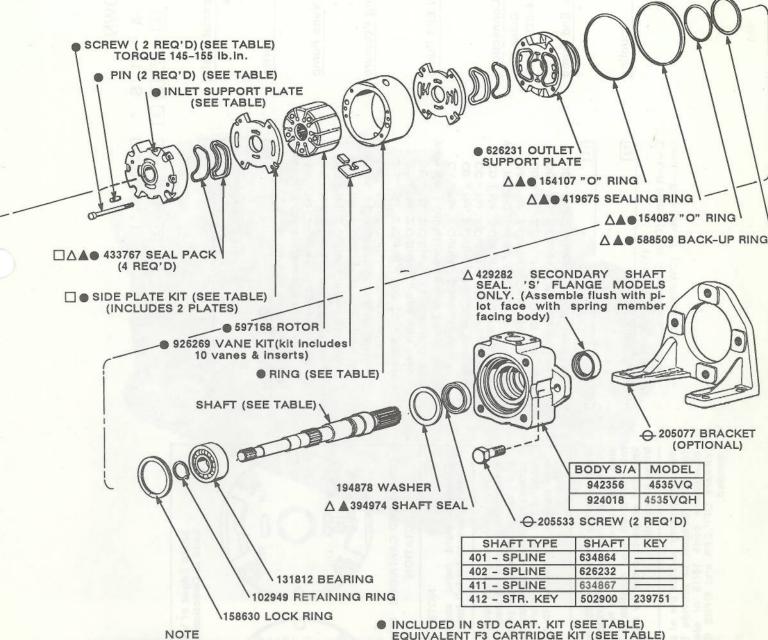
575476

595700

597176

4535VQ(H)***-38

Model (Shaft End)	Screw	Pin	Inlet Support Plate S/A	Side Plate Kit	Ring	Cartridge Kit	
						Std.	F3
4535VQ42	380109	422208	631855	926270	631858	630654	630646
4535VQ47					628307	630647	630653
4535VQ50					631859	630656	630648
4535VQ57					630645	630649	630655
4535VQ60					631862	630658	630650
4535VQH42	433227	427335	631857	924017	631858	634897	634901
4535VQH47					628307	634898	634902
4535VQH50					631859	634899	634903
4535VQH57					630645	634900	634904
4535VQH60					631862	634908	634907



Wipe O.D. of shaft seals with oil before

Install 419675 sealing ring

body, then install cartridge.

pressing into body. Apply grease to seal I.D. before installation of shaft. Assemble seal with spring member toward bearing.

EQUIVALENT F3 CARTRIDGE KIT (SEE TABLE)

▲ INCLUDED IN STD SINGLE SHAFT SEAL KIT 920072 EQUIVALENT F3 SINGLE SHAFT SEAL KIT 920074

△ INCLUDED IN STD DOUBLE SHAFT SEAL KIT 920073 EQUIVALENT F3 DOUBLE SHAFT SEAL KIT 920075

INCLUDED IN SIDE PLATE KIT (BRONZE SURFACES MUST FACE ROTOR)

O INCLUDED IN FOOT BRACKET FB-C-10

MODEL CODE BREAKDOWN

For mineral oil & fire resistant fluids.

Special Seals

4535VQ Double Pump

Series

(Intra-Vane Flex Plate Type) Vane Pump

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

(SAE RATING 1200 RPM-100 PSI) US GPM Capacity Shaft End Pump

Code 4-BOLT FLG. 4-BOLT FLG. Inlet 42,47,50,57,60 Outlet #1 SAE Port Connections 4-BOLT FLG. Outlet #2

D

(SAE RATING 1200 RPM-100 PSI) US GPM Capacity Cover End Pump

S-Flange (Double Shaft Seal) F-Foot (Single Shaft Seal) 21,25,30,35,38

Mounting

Omit-Flange (Single Shaft Seal)

401 - Splined 402 - Splined 411 - Splined 412 - Str. Key Shaft Type

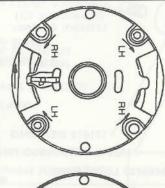
(Viewed from cover end of pump) **Outlet Positions**

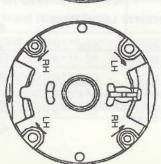
With No. 1 Outlet 90° CCW from Inlet: With No. 1 Outlet Inline with Inlet With No. 1 Outlet Opposite Inlet: With No.1 Outlet 90° CW from Inlet DB - No. 2 Outlet - 90° CCW from Inlet CC - No. 2 Outlet - Inline with Inlet BD - No. 2 Outlet - 90 ° CW from Inlet BC - No. 2 Outlet - Inline with Inlet BB - No. 2 Outlet - 90° CCW from Inlet BA - No. 2 Outlet - Opposite Inlet AD - No. 2 Outlet - 90 ° CW from Inlet AB - No. 2 Outlet - 90° CCW from Inlet CD - No. 2 Outlet - 90° CW from Inlet CB - No. 2 Outlet - 90° CCW from Inlet CA - No. 2 Outlet - Opposite Inlet AC - No. 2 Outlet - Inline with Inlet AA - No. 2 Outlet - Opposite Inlet DD - No. 2 Outlet - 90° CW from Inlet DC - No. 2 Outlet - Inline with Inlet DA - No. 2 Outlet - Opposite Inlet

Design

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

> Sharp Edges of Vane Must Lead in Direction of Rotation





COVER END CARTRIDGE R.H. ROTATION SHAFT END CARTRIDGE R.H. ROTATION

NOTE

Standard right hand shaft rotation shown. Reverse for left hand rotation. cartridges

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

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

Cleanliness code 18/15 or cleaner. Selections from Vickers OFP, OFR and OFRS filter series are recom-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 mended.