

Service Data

**Vickers®**

# Vane Pumps

---



## Vane Type Double Pumps

4535V\*\*A\*\*-\*\*\*22(L)-282/283



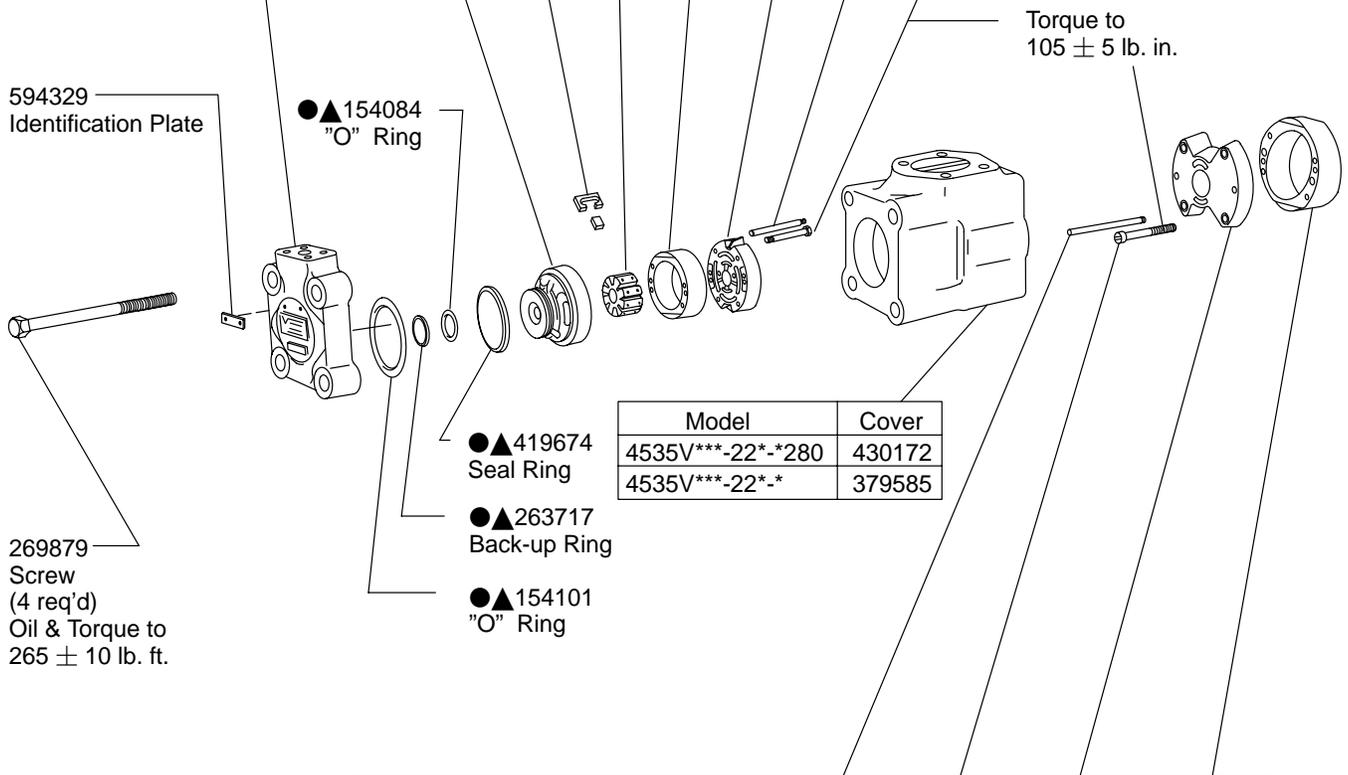
Revised 07/01/97

I-3176-S

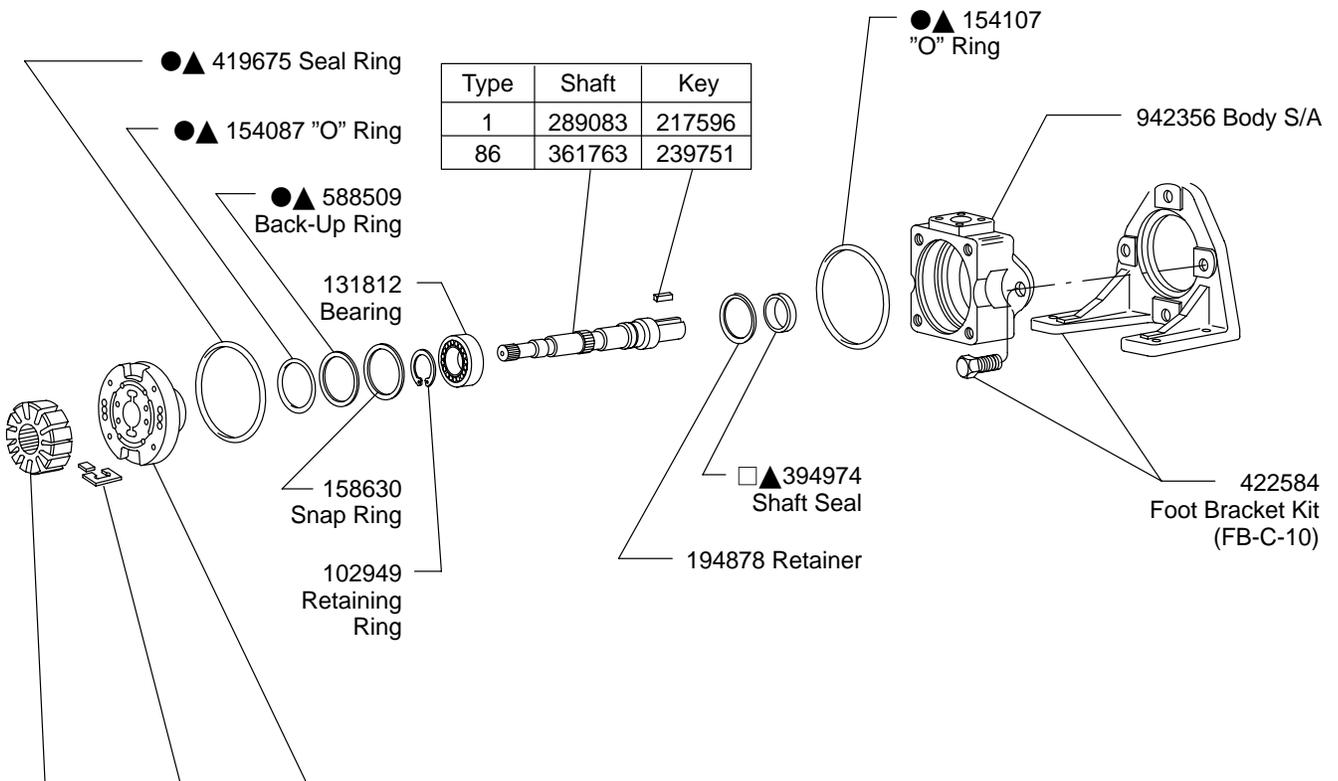
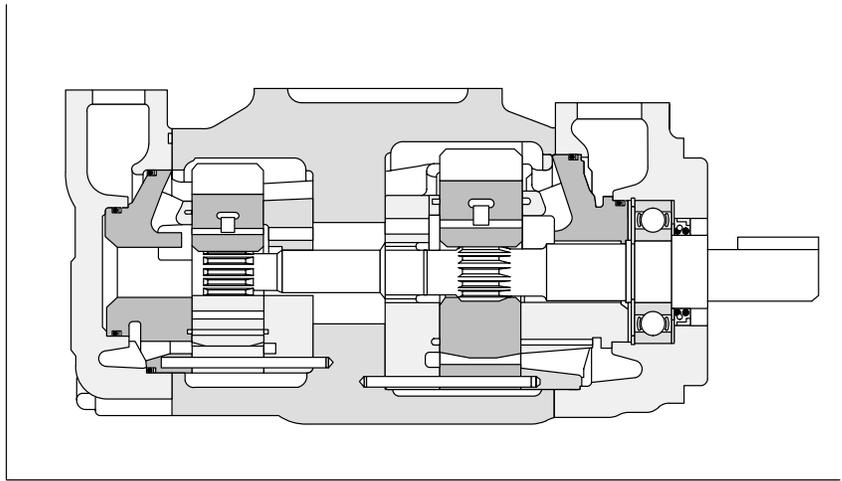
□ **Note**  
 Seals must be completely wetted at time of assembly with an SAE 10W motor oil of "SE" quality or an industrial hydraulic oil equivalent. Assemble seal with lip toward the bearing.

Capacity Cover End Pump USGPM	Outlet Support Plate	Vane Kit (12 Vanes & Inserts)	Rotor	Ring	Inlet Support Plate	Pin (2 req'd)	Screw (2 req'd)	■ F3 Cartridge Kit	■ Std. Cartridge Kit
These parts are included in cartridge kit									
4535V**A25	575479	941019	575478	576210	575480	280031	289475	584324	582348
4535V**A30				576212				584325	582349
4535V**A35				576214				584326	582350
4535V**A38				575476				584327	581862

Model	Cover
4535V***-22*-*280	433209
4535V***-22*-*	270679



■ Std. Cartridge Kit	■ F3 Cartridge Kit	Capacity Shaft End Pump (USGPM)	Pin (2 req'd)	Screw (2 req'd)	Inlet Support Plate S/A	Ring
These parts are included in cartridge kit						
581663	584312	4525V42	220888	289476	578903	581679
581664	584313	4525V50				581680
580919	584314	4525V60				578904



Rotor	Vane Kit (12 Vanes & Inserts)	Outlet Support Plate	■ F3 Cartridge Kit	■ Std. Cartridge Kit	Capacity Shaft End Pump (USGPM)
— These parts are included in cartridge kit —					
578900	941049	580921	584312	581663	4535V42
			584313	581664	4535V50
			584314	580919	4535V60

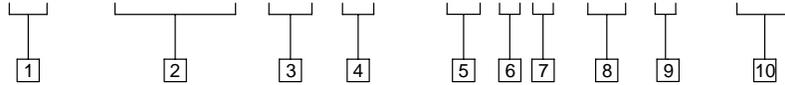
See Parts Drawing I-3963-S for Port Flange Data

**CAUTION**  
 Individual cartridge parts are not interchangeable with similar parts of the previous design. Complete cartridges are interchangeable with the previous design.

- ▲ Included in 922866 seal kit
- Also included in cartridge kit
- F3 Equivalent seal kit 919346

# Model Code

**(F3) - 4535V \*\* (A) - \*\* \*\* 22 (\*) - 28\***



**1 Seal Material**

**F3** - Viton® seals

*Viton is a registered trademark of E.I. DuPont*

**2 Model Series**

**4535V** - Vane Pump

**3 SAE Rated Capacity**

(Rating at 1200 RPM - 100 PSI)  
(See inside for capacities)

**4 Port Connections**

**A** -SAE 4-bolt flange

**5 Shaft Type**

**1** - Straight with square key (standard)  
**86** - Straight with square key heavy duty

**6 #1 Outlet Port Position**

**7 #2 Outlet Port Position**

**8 Design**

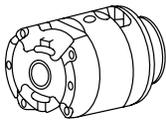
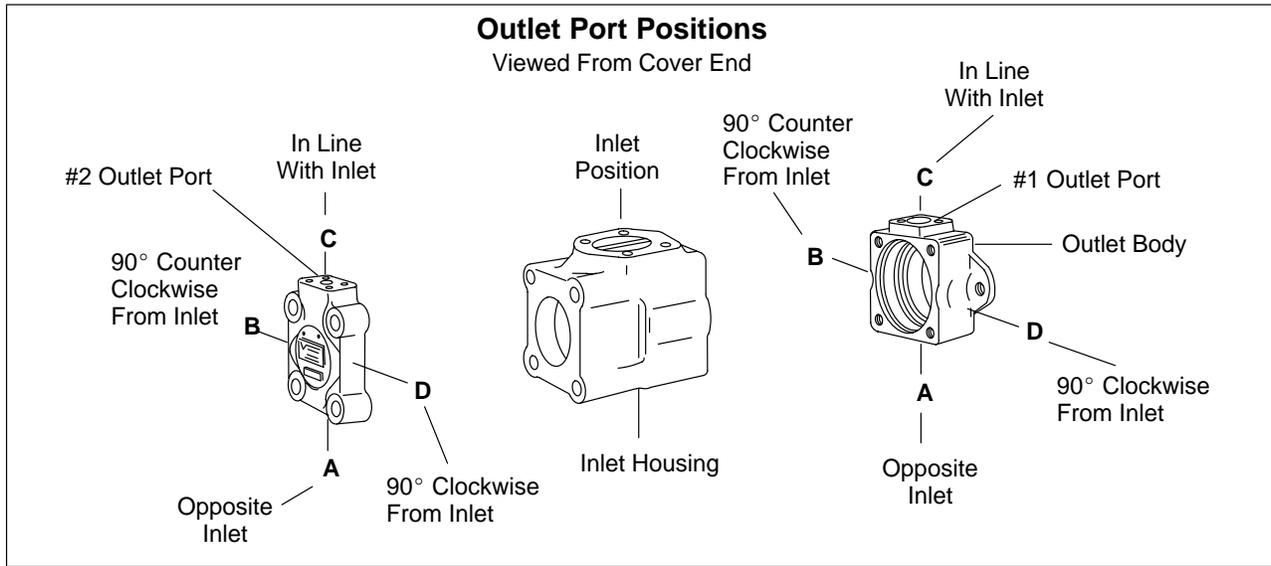
**9 Rotation**

(Viewed from shaft end)

**L** - Left hand (CCW rotation)  
**Omitted** - Right hand rotation

**10 Mounting**

**282** - SAE 2-bolt mounting  
**283** - Foot mounting



### PARTS ORDERING

Parts are the same for both right and left hand rotation. When ordering spare cartridge parts, it is recommended they be obtained in cartridge kits. Kits are assembled and tested 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 Kit Number. For example, 581663-L.

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from pressure, return, and in-line filter series are recommended.

**Eaton Hydraulics**

15151 Highway 5  
Eden Prairie, MN 55344  
Telephone: 612 937-7254  
Fax: 612 937-7130  
[www.eatonhydraulics.com](http://www.eatonhydraulics.com)

46 New Lane, Havant  
Hampshire PO9 2NB  
England  
Telephone: (44) 170-548-6451  
Fax: (44) 170-548-7110

