

Service Data

Vickers®

# Vane Pumps

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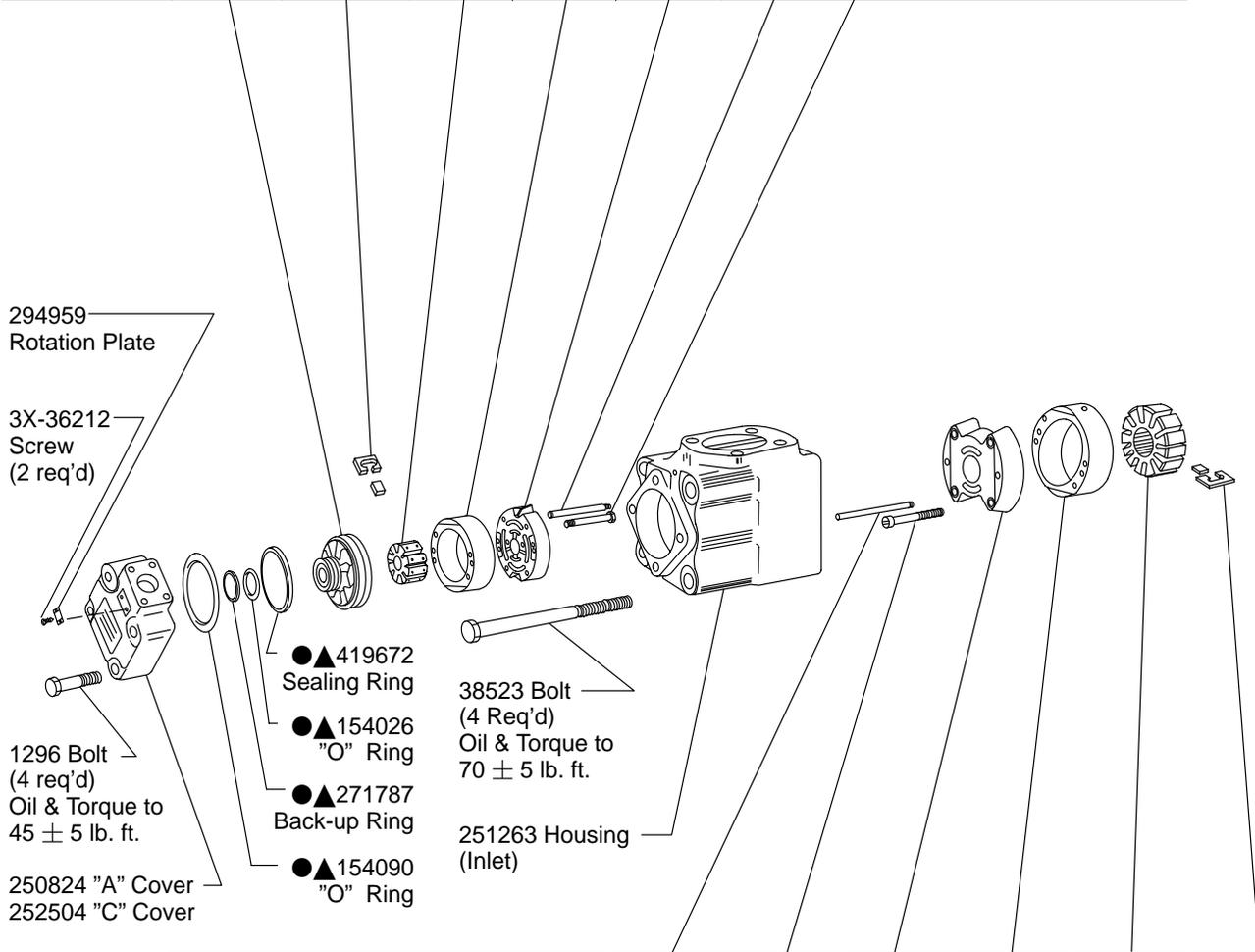
## Quiet Intra-Vane Double Pump

2520V\*\*\*\*\*-\*\*\*-20(L)-28\*

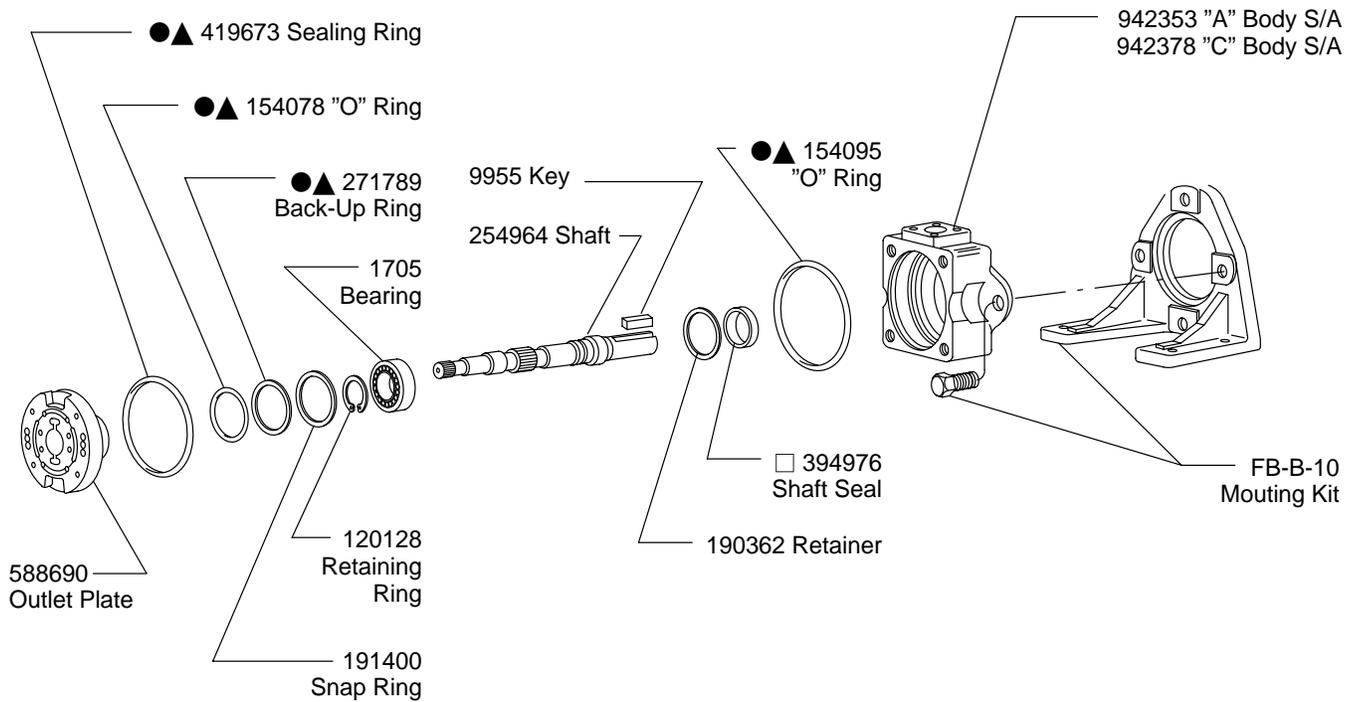
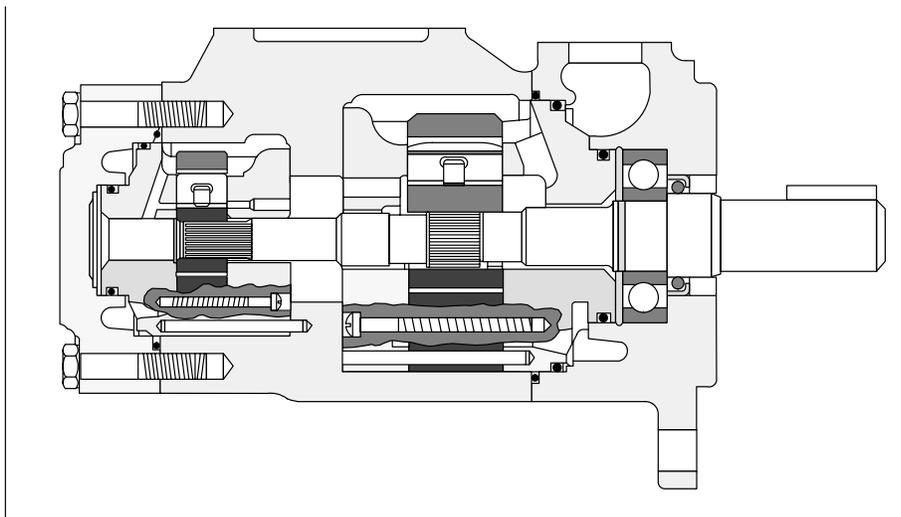
□ **Note**

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 (GPM)	Outlet Plate	Vane Kit (10 Vanes & Inserts)	Rotor	Ring	Inlet Plate	Pin (2 req'd)	Screw (2 req'd)	Cartridge Kit	F3 Cartridge Kit
These parts are included in cartridge kit									
2520V****2	584382	922741	402690	388683	584383	158465	289473	585478	588573
2520V****5				333624				585471	588574
2520V****8				333625				585473	588575
2520V****11		922743	403539	333626	584384			585475	588576
2520V****12				353901				585476	588577
2520V****14				353902				585477	588578



Cartridge Kit	F3 Cartridge Kit	Capacity Shaft End Pump (GPM)	Pin (2 req'd)	Screw (2 req'd)	Inlet Plate S/A	Ring	Rotor	Vane Kit (12 Vanes & Inserts)
These parts are included in cartridge kit								
591002	591095	2520V12	229662	289472	591016	584610	584618	941214
591003	591096	2520V14				584612		
591004	591097	2520V17				584614		
591005	591098	2520V21				584616		



▲ Service all units with F3 Seal Kit 919303

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



**CAUTION**

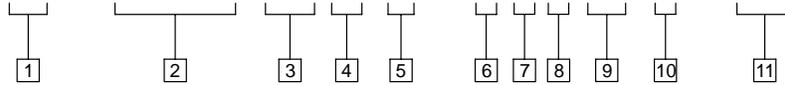
Individual cartridge parts are not interchangeable with similar parts of the previous design. Complete cartridges are interchangeable with the previous design.

▲ Included in 922856 seal kit

● Also included in cartridge kit

# Model Code

**(F3) - 2520V \* \* A (\*) - 1 \* \* 20 (\*) - 28\***



**1 Seal Material**

**F3** - Viton®

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

**2 Model Series**

**2520V** - Vane Pump

**3 Capacity - Shaft end pump**

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

**4 Port Connections**

**A** -SAE 4-bolt flange  
**E** -SAE Std. thread at #2 outlet port

**5 Capacity - Cover end pump**

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

**6 Shaft Type**

**1** - Straight with square key (standard)

**7 #1 Outlet Port Position**

**8 #2 Outlet Port Position**

**9 Design**

**10 Rotation**

(Viewed from shaft end)

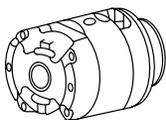
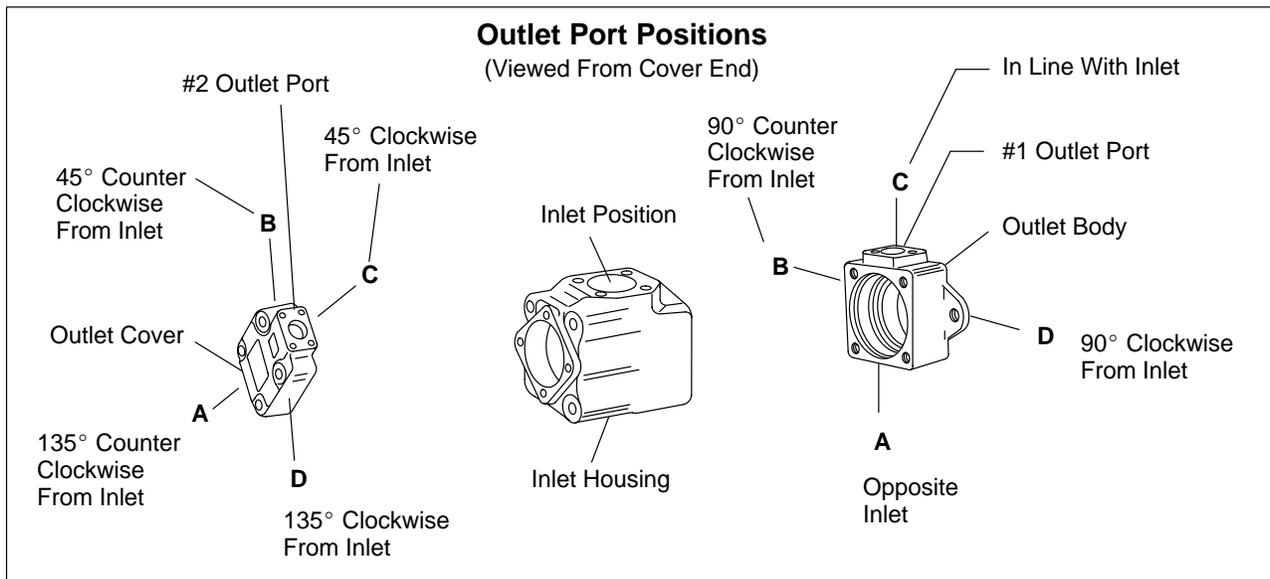
**L** - Left hand (CCW rotation)

**Omitted** - Right hand rotation

**11 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, 591091-L.

For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from Eaton OFP, OFR, and OFRS series are recommended.

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