

Service Data

Vickers®

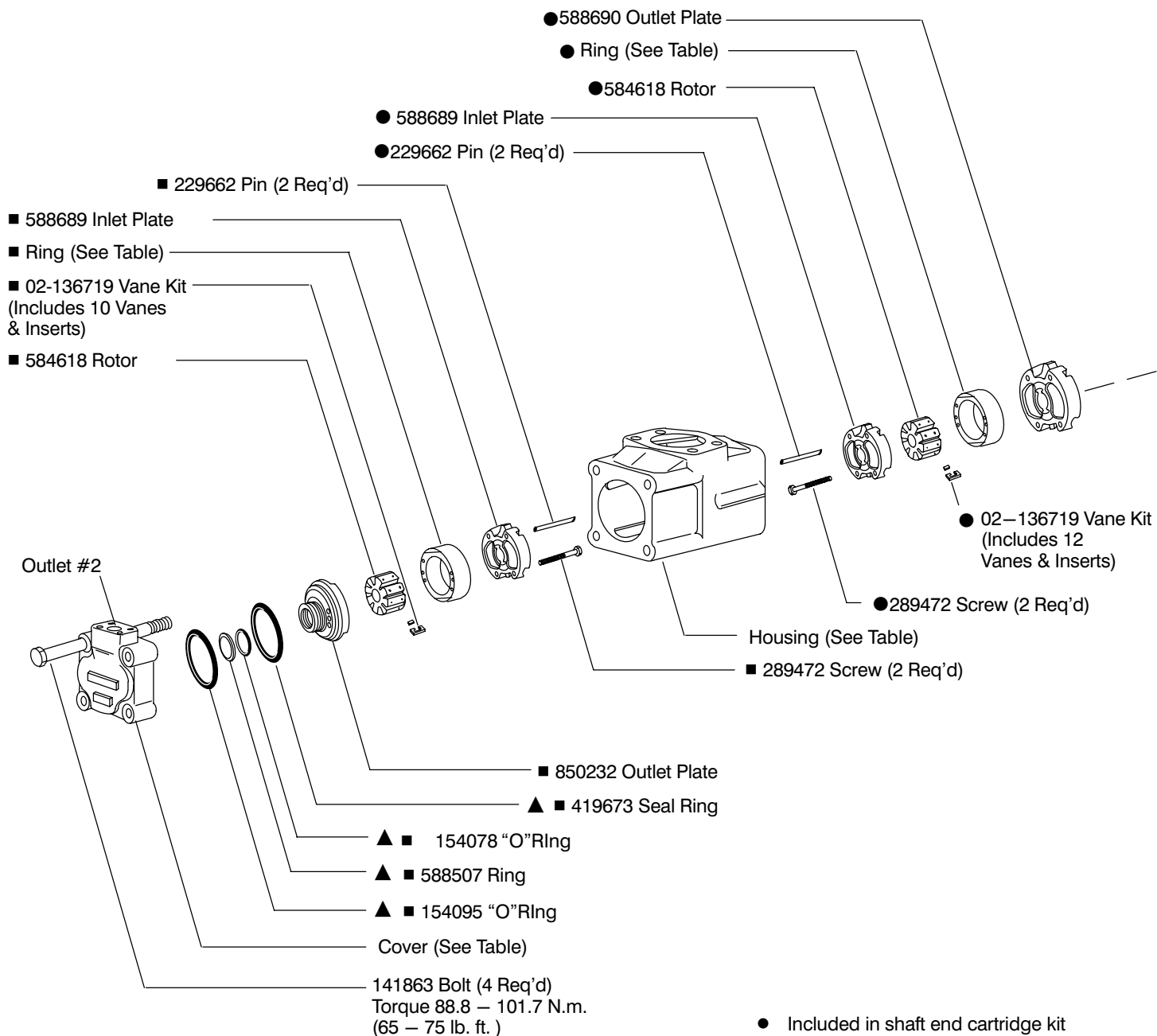
Vane Pumps



Vane Type Double Pump

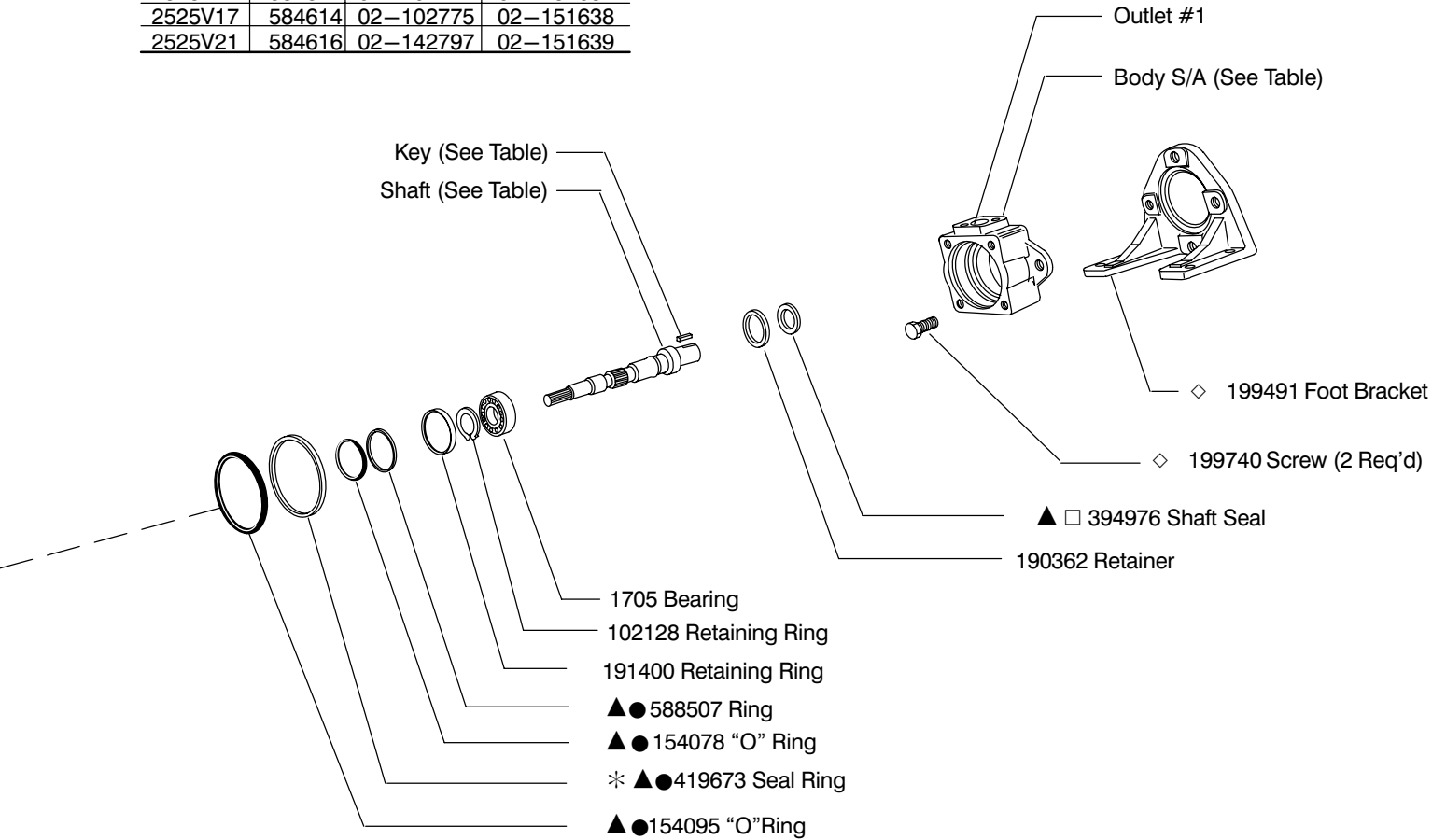
(F3)–2525V(M)–*** (M)** (F)–**–22–*

MODEL	■ RING	Cover End	Cover End
		■ CART. KIT	■ F3 CART. KIT
2525V***12	584610	02-142798	02-151631
2525V***14	584612	02-102773	02-151632
2525V***17	584614	02-142799	02-151633
2525V***21	584616	02-142800	02-151634



- Included in shaft end cartridge kit
- Included in cover end cartridge kit
- ▲ Included in seal kit 02-151609
F3 equivalent seal kit 02-151610
- ◇ 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 419673 sealing ring into body,
then install cartridge kit.

MODEL	● RING	Shaft End ● CART KIT	Shaft End ● F3 CART KIT
2525V12	584610	02-142796	02-151636
2525V14	584612	02-102774	02-151637
2525V17	584614	02-102775	02-151638
2525V21	584616	02-142797	02-151639

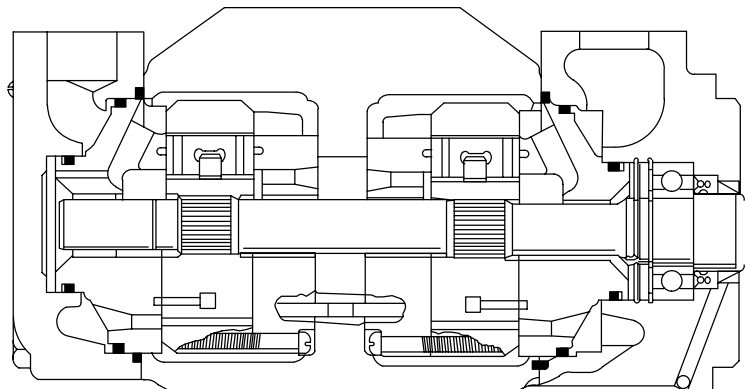


MODEL	COVER	HOUSING	BODY S/A
2525V**A	231532	634941	942353
2525V**C	242250		942378
2525V**E	242250		942353
2525VM**A	231532		02-136917
2525VM**AM	478511	913416	02-136918

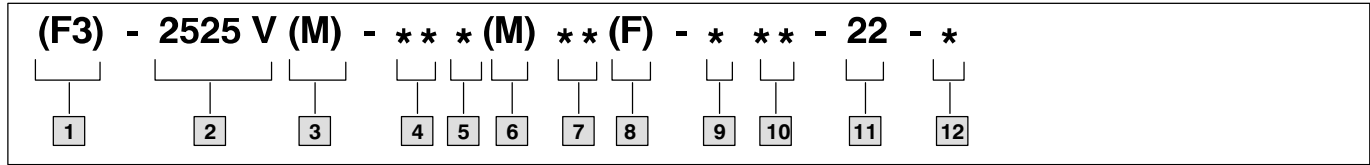
SHAFT	TYPE	KEY
502468	(86) keyed	3418
989296	(174) splined	—
875987	(192N) keyed	472270

NOTE:

For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. OFP, OFR, and OFRS series filters are recommended.



Model Code



1 Special seals

2 Series designation

Displacements cm³/r (in³/r)

Model	Shaft end	Cover end
2525V	40 – 67 (2.45–4.12)	40 – 67 (2.45 – 4.12)

3 Pilot designation

M – Metric per ISO 3019/2 100A2HW
Omit – Standard pilot

4 Geometric displacement

Shaft end pump

(Rated capacity (USgpm) at 1200 rpm, 6.9 bar (100 psi))

Frame size	Code	cm ³ /r	in ³ /r
2525V	12	40	2.45
	14	45	2.76
	17	55	3.37
	21	67	4.12

5 Port connections

Code	Inlet	Outlet #1	Outlet #2
A	4 bolt flange	4 bolt flange	4 bolt flange
C	4 bolt flange	SAE straight thread	SAE straight thread
E	4 bolt flange	4 bolt flange	SAE straight thread

6 Port connection modifier

M – Metric port connection (4 bolt flange)
Omit – Inch thread port connection (4 bolt flange)

7 Geometric displacement

Cover end pump

(Rated capacity (USgpm) at 1200 rpm, 6.9 bar (100 psi))

Frame size	Code	cm ³ /r	in ³ /r
2525V	12	40	2.45
	14	45	2.76
	17	55	3.37
	21	67	4.12

8 Mounting

F – Foot mounting
Omit – Flange mounting

9 Shaft

86 – Heavy duty straight keyed
174 – Splined
192N – Straight keyed (M pilot only)

10 Port orientation

(Viewed from cover end of pump)

With no. 1 outlet opposite inlet

AA – No. 2 outlet opposite inlet
AB – No. 2 outlet 90° CCW from inlet
AC – No. 2 outlet in line with inlet
AD – No. 2 outlet 90° CW from inlet

With no. 1 outlet 90° CCW from inlet

BA – No. 2 outlet opposite inlet
BB – No. 2 outlet 90° CCW from inlet
BC – No. 2 outlet in line with inlet
BD – No. 2 outlet 90° CW from inlet

With no. 1 outlet in line with inlet

CA – No. 2 outlet opposite inlet
CB – No. 2 outlet 90° CCW from inlet
CC – No. 2 outlet in line with inlet
CD – No. 2 outlet 90° CW from inlet

With no. 1 outlet 90° CW from inlet

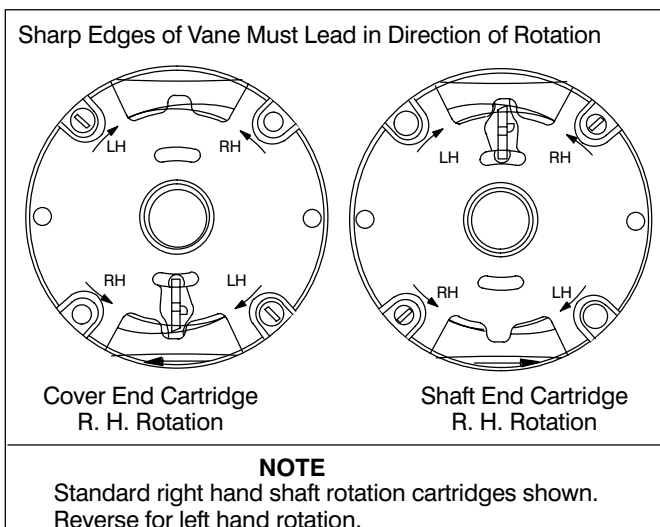
DA – No. 2 outlet opposite inlet
DB – No. 2 outlet 90° CCW from inlet
DC – No. 2 outlet in line with inlet
DD – No. 2 outlet 90° CW from inlet

11 Design

12 Rotation

(Viewed from shaft end of pump)

L – Left hand for counterclockwise
R – Right hand for clockwise



NOTE

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

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 cartridge kit number.