

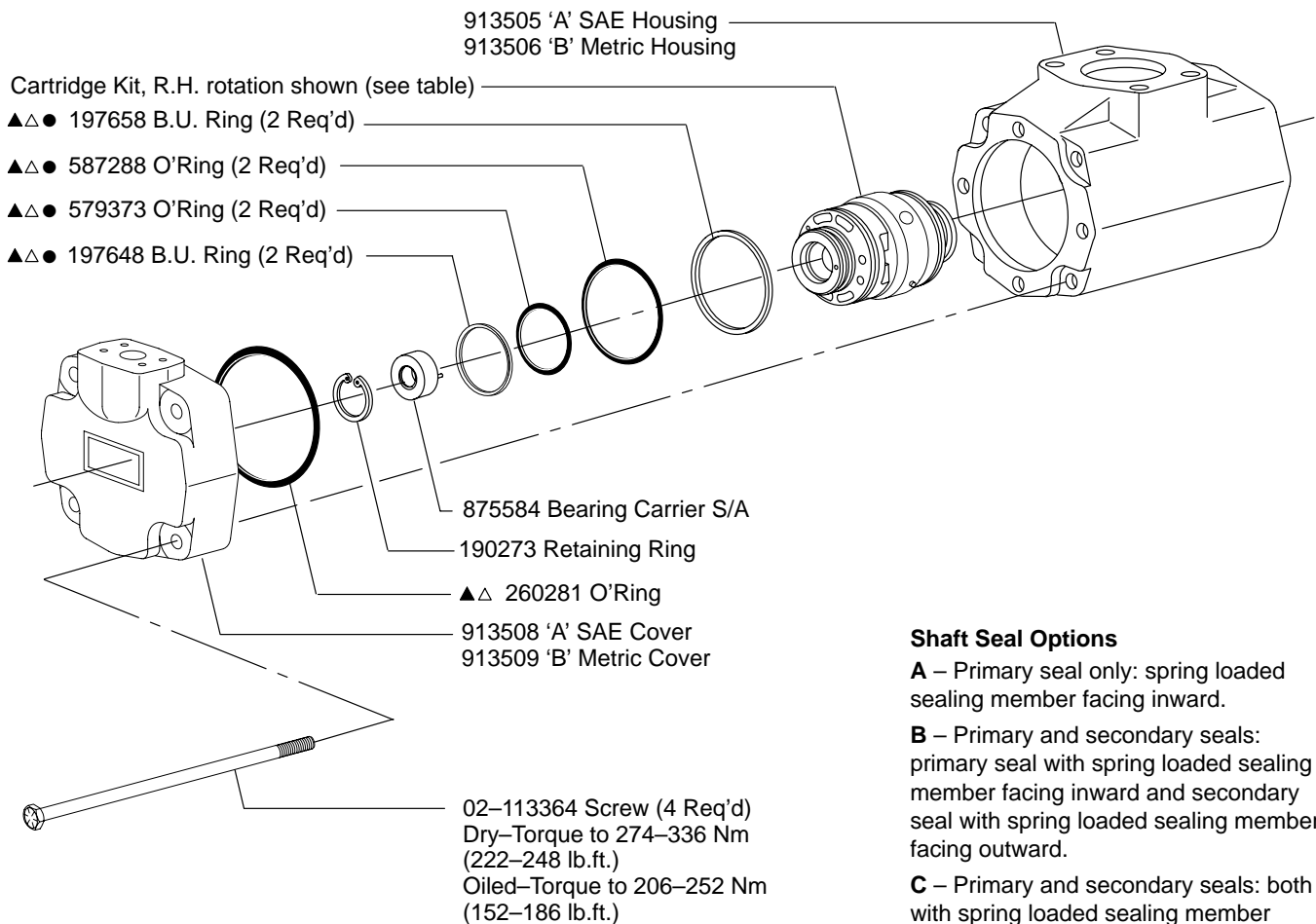


High Pressure, High Performance Double Vane Pump

2525VPF Series -21 Design

OUT OF PRINT

To reverse Cartridge rotation remove Retaining Ring and Bearing Carrier S/A. Install Bearing Carrier S/A and Retaining Ring in opposite end of Cartridge and reinstall Cartridge facing in opposite direction. For R.H. rotation the end of the Cartridge with screw heads showing will be installed toward the cover end. For L.H. rotation the end of the Cartridge with screw heads showing will be installed toward the shaft end.



Shaft Seal Options

A – Primary seal only: spring loaded sealing member facing inward.

B – Primary and secondary seals: primary seal with spring loaded sealing member facing inward and secondary seal with spring loaded sealing member facing outward.

C – Primary and secondary seals: both with spring loaded sealing member facing inward.

NOTE: Lubricate all parts and seals with a thin coat of oil at assembly. Parts prefixed with symbols are available only in kits.

▲ 02-160534 STD Seal Kit, Single Shaft Seal or
02-160535 Viton® Seal Kit, Single Shaft Seal

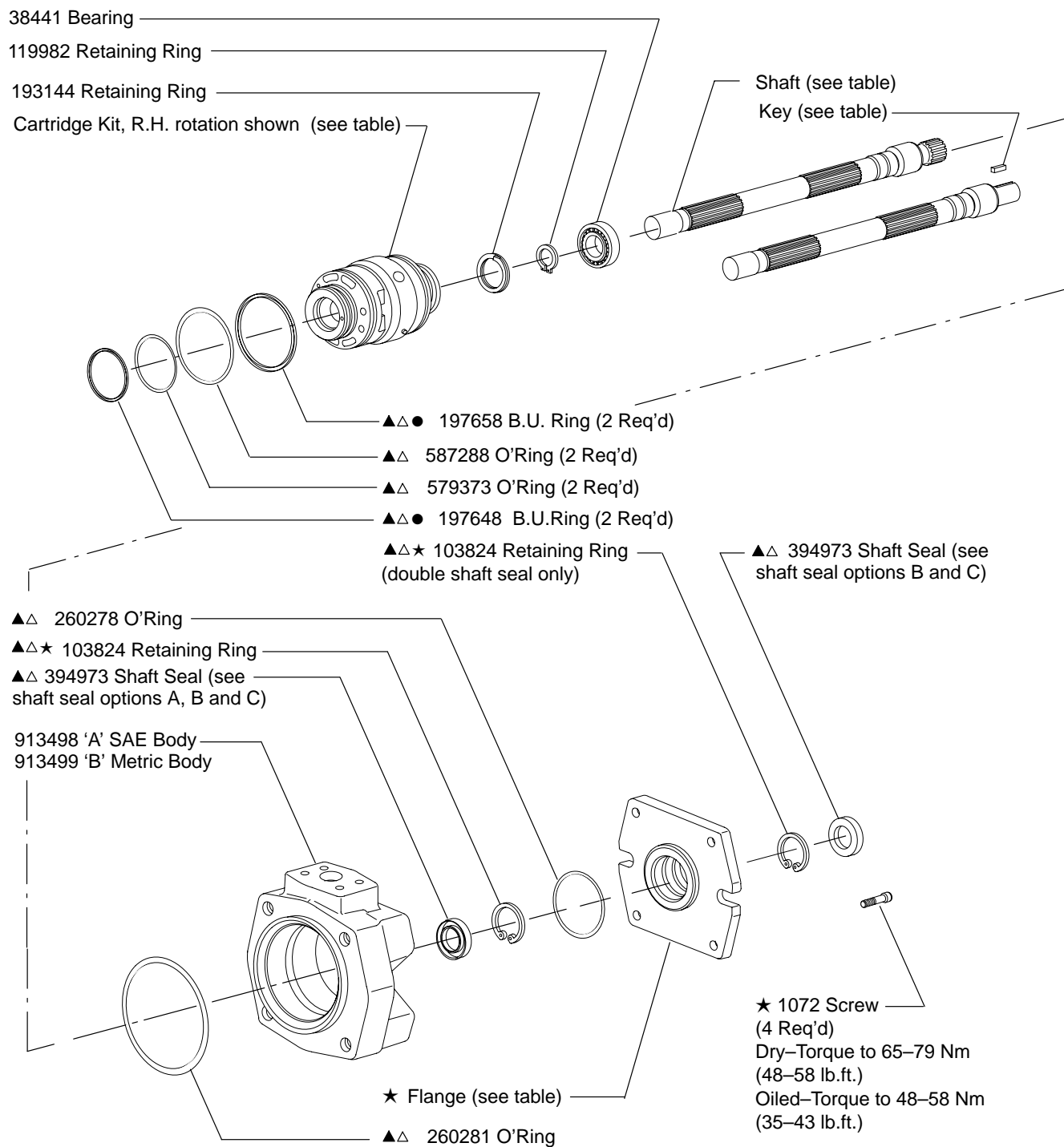
△ 02-160536 STD Seal Kit, Double Shaft Seal or
02-160537 Viton® Seal Kit, Double Shaft Seal

★ Included in Flange Kits (See table).

● Included in Cartridge Kit (see table).

Viton® is a registered trademark of the E.I. DuPont Co.

| Model Code (Cover and Shaft End) | ● Cartridge Kit Standard | ● Cartridge Kit Viton® |
|-------------------------------------|-----------------------------|---------------------------|
| 2525VPF-010 | 02-319101 | 02-319102 |
| 2525VPF-016 | 02-319103 | 02-319104 |
| 2525VPF-025 | 02-319105 | 02-319106 |
| 2525VPF-032 | 02-319107 | 02-319108 |
| 2525VPF-040 | 02-319109 | 02-319110 |
| 2525VPF-050 | 02-319111 | 02-379112 |
| 2525VPF-063 | 02-319113 | 02-319114 |
| 2525VPF-071 | 02-319115 | 02-319116 |
| 2525VPF-080 | 02-319117 | 02-319118 |

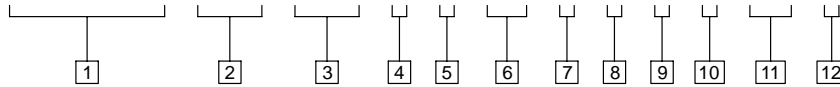


| Model Code | Shaft | Key |
|-----------------------|--------|--------|
| 2525VPF-***-***-*_-01 | 913266 | 928540 |
| 2525VPF-***-***-*_-02 | 913267 | — |
| 2525VPF-***-***-*_-03 | 913268 | 928545 |
| 2525VPF-***-***-*_-05 | 913269 | 928541 |
| 2525VPF-***-***-*_-06 | 877142 | — |
| 2525VPF-***-***-*_-07 | 913270 | 928546 |

| Flange Type | ★ Flange Kit | |
|------------------------|-------------------|-------------------|
| | Single Shaft Seal | Double Shaft Seal |
| SAE J744-101-2 (SAE B) | 02-142476 | 02-142480 |
| ISO 3019/2-100A2HW | 02-142477 | 02-142481 |
| SAE J744 127-2 (SAE C) | 02-142478 | 02-142482 |
| ISO 3019/2-125A2HW | 02-142479 | 02-142483 |

Model Code

2525VPF - * - *** - * - * - * - * - * - * - * - * - * - * - 21 - ***



1 Series designation (frame size)

2525VPF – 20 to 160 cm³/r
(1.22 to 9.76 in³/r)

2 Displacement – front section

010 – 10 cm³/r (0.61 in³/r)
016 – 16 cm³/r (0.97 in³/r)
025 – 25 cm³/r (1.52 in³/r)
032 – 32 cm³/r (1.95 in³/r)
040 – 40 cm³/r (2.44 in³/r)
050 – 50 cm³/r (3.05 in³/r)
063 – 63 cm³/r (3.84 in³/r)
071 – 71 cm³/r (4.33 in³/r)
080 – 80 cm³/r (4.88 in³/r)

3 Displacement – rear section

010 –10 cm³/r (0.61 in³/r)
016 –16 cm³/r (0.97 in³/r)
025 –25 cm³/r (1.52 in³/r)
032 –32 cm³/r (1.95 in³/r)
040 –40 cm³/r (2.44 in³/r)
050 –50 cm³/r (3.05 in³/r)
063 –63 cm³/r (3.84 in³/r)
071 –71 cm³/r (4.33 in³/r)
080 –80 cm³/r (4.88 in³/r)

4 Port connection

A – SAE 4-bolt flange
B – Metric 4-bolt flange

5 Flange mounting style

A – SAE J744 101–2 (SAE B)
B – ISO 3019/2 100A2HW
C – SAE J744 127–2 (SAE C)
D – ISO 3019/2 125A2HW

6 Shaft

01 – SAE J744 25–1
(1.00 in keyed shaft)
02 – SAE J744 25–4
(B–B splined shaft)
03 – ISO 3019/2 E25N
(25mm keyed shaft)
05 – SAE J744 32–1
(1.25 in keyed shaft)
06 – SAE J744 32–4
(C splined shaft)
07 – ISO 3019/2 E32N
(32mm keyed shaft)

7 Shaft seal

A – Single, primary
B – Double, secondary (spring side out)
C – Double, secondary (spring side in)

8 Seal type

N – Standard, Buna N
V – Viton®
W – Buna N with Viton® shaft seal(s)

Viton® is a registered trademark of the E.I. DuPont Co.

9 Outlet port no. 1 position (viewed from cover end)

A – Opposite inlet port
B – 90° counterclockwise from inlet port
C – Inline with inlet port
D – 90° clockwise from inlet port

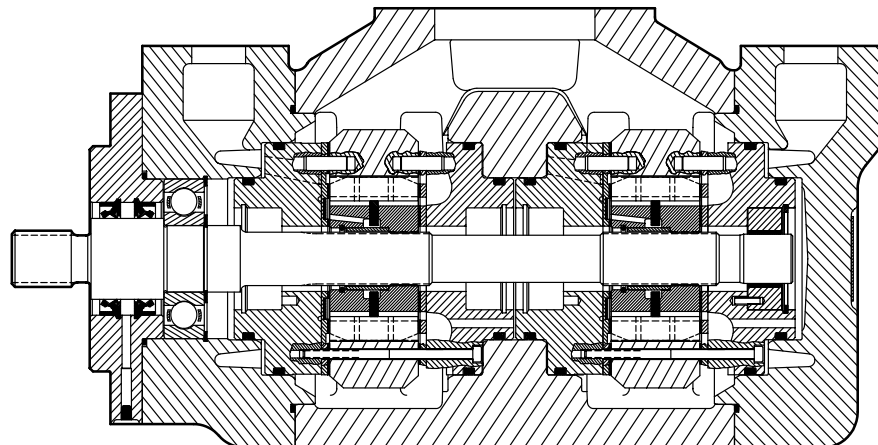
10 Outlet port no. 2 position (viewed from cover end)

A – Opposite inlet port
B – 90° counterclockwise from inlet port
C – Inline with inlet port
D – 90° clockwise from inlet port

11 Design

12 Rotation (viewed from shaft end)

R – Right hand (clockwise)
L – Left hand (counterclockwise)



Typical sectional view

Eaton Hydraulics

15151 Highway 5
Eden Prairie, MN 55344
Telephone: 612 937-7254
Fax: 612 937-7130
www.eatonhydraulics.com

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

