



Parts Manual

Model _____ Fork Positioner

Catalog Number _____ 120K-FPS-C067 R1

cascade®
corporation

For Technical Assistance call: 800-227-2233, Fax: 888-329-8207

To Order Parts call: 888-227-2233, Fax: 888-329-0234

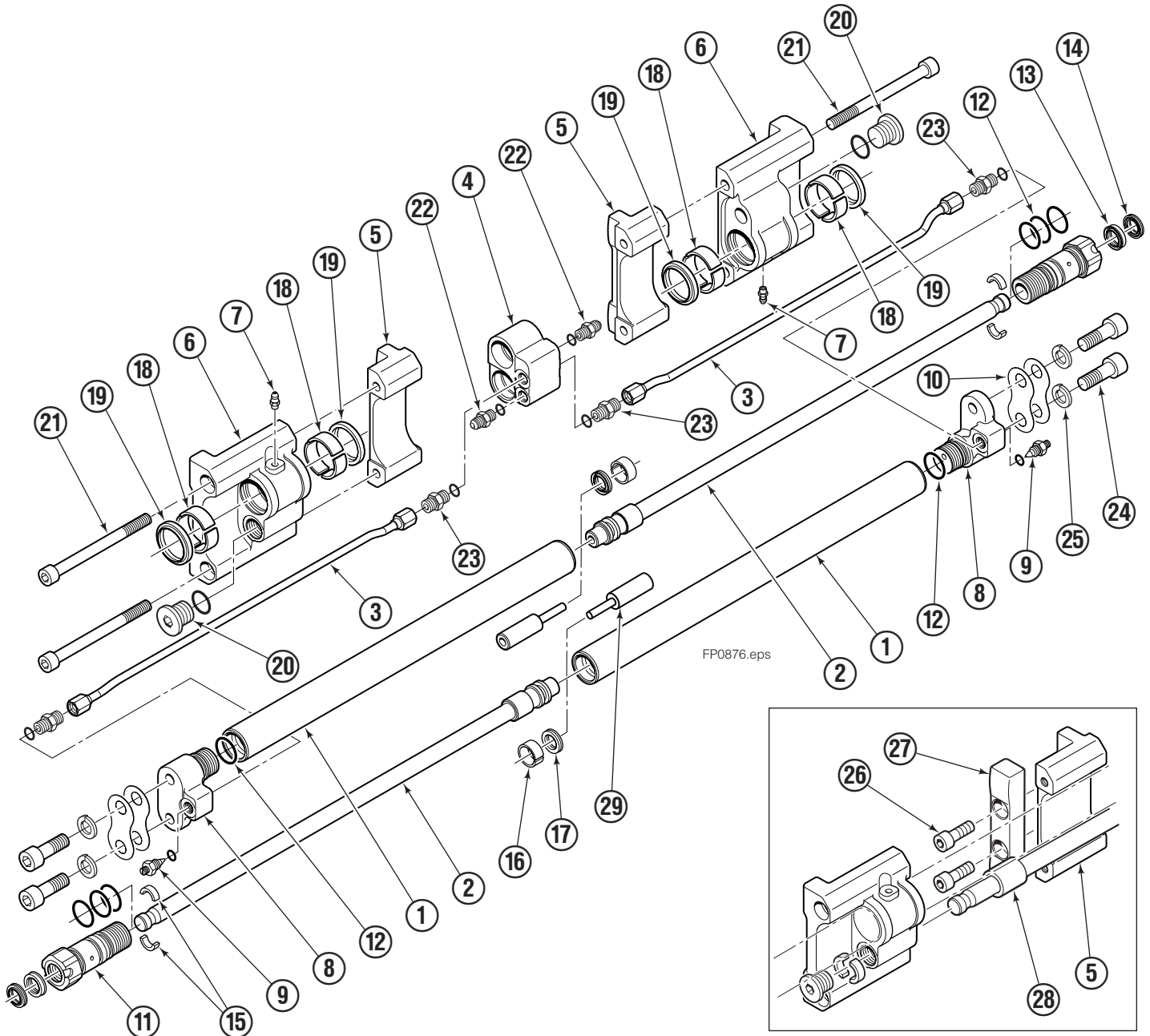
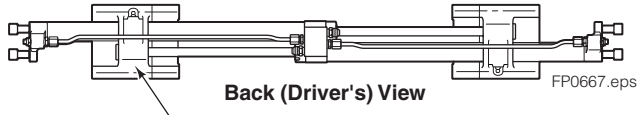
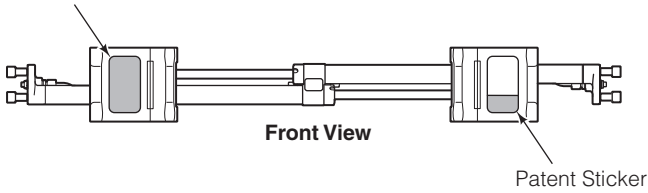
OR

Write: Cascade Corporation, P.O. Box 20187, Portland, OR 97220

Internet: www.cascorp.com

Fork Positioner Assembly

Sticker showing operating pressure, phone numbers for service & parts.



Fork Positioner Assembly

Items that vary by width

| 120K/150K | | | |
|-------------------|---|---------------------------------------|-----------------------------|
| ASSEMBLY PART NO. | REF. NO. 1 ★ CYLINDER SHELL QTY 2 | REF. NO. 2 ★ CYLINDER ROD QTY 2 | REF. NO. 3 TUBE QTY 2 |
| 6804669 | 6084218 | 6084220 | 6084232 |

| REF | QTY | PART NO. | DESCRIPTION |
|-----|-----|----------|--|
| | | 6069312 | Common Parts Group |
| 4 | 1 | 6059224 | Manifold |
| 5 | 2 | 6059395 | ◆ Fork Carrier, Inner, 122/150/180 mm Fork |
| 6 | 2 | 6059301 | Fork Carrier, Outer |
| 7 | 2 | 424115 | Grease Fitting |
| 8 | 2 | 6059267 | Cylinder Head End |
| 9 | 2 | 6042658 | Restrictor Fitting |
| 10 | 4 | 6059383 | Shim |
| 11 | 2 | 6059219 | Cylinder Retainer |
| 12 | 8 | 6059580 | O-Ring, Retainer OD ✘ |
| 13 | 2 | 562132 | Rod Seal, Retainer ✘ |
| 14 | 2 | 562131 | Rod Wiper, Retainer ✘ |
| 15 | 4 | 6059382 | Half-Ring Keeper |
| 16 | 2 | 6059421 | Piston Wear Ring ✘ |
| 17 | 2 | 6059422 | Piston Seal ✘ |
| 18 | 4 | 6059419 | Bearing, Composite |
| 19 | 4 | 6059584 | Wiper |
| 20 | 2 | 6059459 | Rod Retainer Plug |
| 21 | 4 | 6405531 | Capscrew, M12 x 160 |
| 22 | 2 | 6043332 | Fitting, M10 to No.4 JIC ● |
| 23 | 4 | 6042689 | Fitting, M10 to EO-2 Tube |
| 24 | 4 | 769577 | Capscrew, M16 x 50 ■ |
| 25 | 4 | 678992 | Lockwasher, M16 ■ |
| 26 | 4 | 767615 | ◆ Capscrew, M10 x 25 |
| 27 | 2 | 6059397 | ◆ Spacer Bar |
| 28 | 2 | — | Rod Spacer |
| 29 | 2 | 8100527 | Piston Spacer |

★ If cylinder shell or rod needs replacing due to bending damage, order complete Fork Positioner Assembly.

◆ Included in Fork Carrier Assembly 6059395.

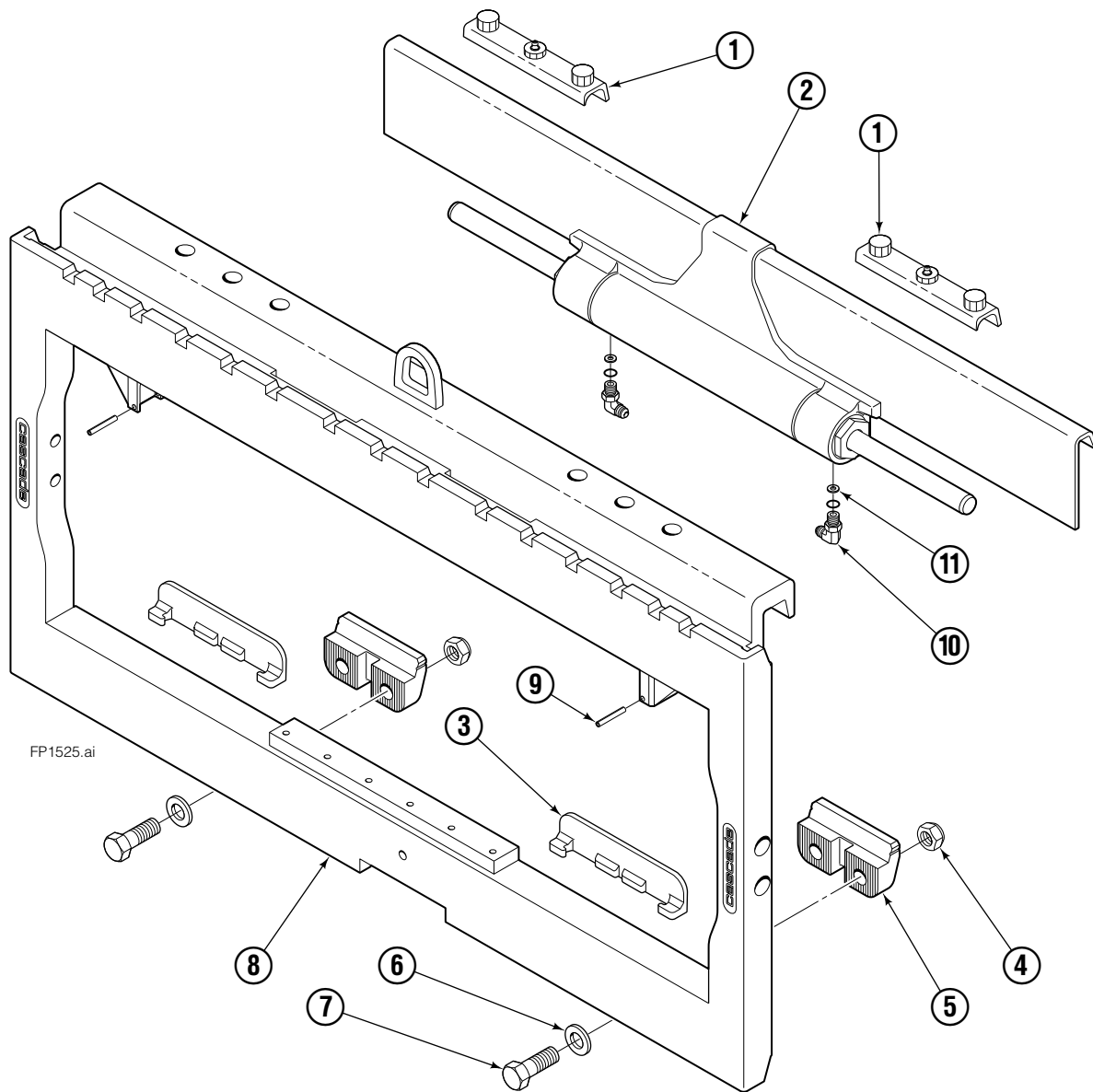
✘ Included in Cylinder Service Kit 6081752.

● Included in Fitting Group 6045440.

■ Included in Mounting Kit 6059460.

Reference: SK-8919.1

Sideshift Assembly



120K

| REF | QTY | PART NO. | DESCRIPTION | REF | QTY | PART NO. | DESCRIPTION |
|-----|-----|----------|---------------|-----|-----|----------|----------------------|
| 1 | 2 | 6079936 | Upper Bearing | 7 | 4 | 768580 | ◆ Capscrew, M20 x 60 |
| 2 | 1 | 6802911 | Cylinder ▲ | 8 | 1 | 6804885 | Frame |
| 3 | 2 | 6057162 | Lower Bearing | 9 | 2 | 7916 | Roll Pin |
| 4 | 4 | 783800 | ◆ Nut, M20 | 10 | 2 | 607616 | ■ Fitting, 6-6 |
| 5 | 2 | 6083157 | ◆ Lower Hook | 11 | 2 | 221733 | ▼ Restrictor Washer |
| 6 | 4 | 215419 | ◆ Washer, M20 | | | | |

▲ See Cylinder page for parts breakdown.

◆ Included in Lower Hook Group 6801428.

Reference: Common Parts 6801215, S-23796 – Type 1.

■ Included in Fitting Group 204179.

▼ Included in Restrictor Group 221732.

Cylinder Assembly



| REF | QTY | PART NO. | DESCRIPTION |
|-----|-----|----------|----------------------|
| 1 | 1 | 6802911 | Cylinder Assembly |
| 2 | 2 | 564406 | ● Rod Seal |
| 3 | 2 | 609241 | O-Ring |
| 4 | 2 | 564408 | ● Rod Wiper Seal |
| 5 | 2 | 6056530 | Retainer |
| 6 | - | ■ | Rod/Piston Assembly |
| 7 | - | ■ | Cylinder Shell |
| | | 564409 | Rod Seal Service Kit |

● Included in Service Kit 564409.

■ Not serviceable – order new Cylinder Assembly.

Reference: S-23995.

Recommended Spare Parts

| 120K/150K Fork Positioner/Sideshifter | | | | |
|---------------------------------------|-------------------------------|----------------|------|-------|
| PART NUMBER | DESCRIPTION | UNITS SERVICED | | |
| | | 1-5 | 6-19 | 20-50 |
| | FORK POSITIONER | | | |
| 6081752 | Cylinder Internal Service Kit | 0 | 4 | 8 |
| 6081751 | Composite Bearing Service Kit | 1 | 2 | 4 |
| 6081749 | Bronze Bearing Service Kit | 1 | 2 | 4 |
| 6059383 | Mounting Shims | 4 | 6 | 8 |
| | SIDESHIFTER | | | |
| ■ | Upper Bearing | 8 | 16 | 32 |
| ■ | Lower Bearing | 6 | 12 | 24 |
| ■ | Lower Hook | 0 | 2 | 4 |
| ■ | Capscrew | 0 | 4 | 8 |
| ■ | Nut | 0 | 4 | 8 |
| 215419 | Washer | 0 | 4 | 8 |
| ■ | Cylinder Assembly | 0 | 0 | 1 |
| 564409 | Cylinder Rod Service Kit | 1 | 2 | 4 |

■ See specific parts page.

Publications



| K-Series | |
|----------|---|
| PART NO. | DESCRIPTION |
| 6045671 | User Manual (Operator's Guide, Installation, Periodic Maintenance, Parts) |
| 6053927 | Service Manual |
| 679929 | Tool Catalog |
| 673964 | Literature Index Order Form |

Do you have questions you need answered right now? Call your nearest Cascade Parts Department. Visit us online at www.cascorp.com

**Cascade Corporation
U.S. Headquarters**
2201 NE 201st
Fairview, OR 97024-9718
Tel: 800-CASCADE (227-2233)
FAX: 888-329-8207

Cascade Canada Inc.
5570 Timberlea Blvd.
Mississauga, Ontario
Canada L4W-4M6
Tel: 905-629-7777
FAX: 905-629-7785

Cascade GmbH
Niederwippekühl 1
58579 Schalksmühle
Germany
Tel: 02355-50900
FAX: 02355-509020

Cascade Finland
A. Petreliuksenkatu 3
01370 Vantaa
Finland
Tel: 09-8361925
FAX: 09-8361935

**Cascade Italia S.R.L.
European Headquarters**
Via Dell'Artigianato 1
37030 Vago di Lavagno (VR)
Italy
Tel: 39-045-8989111
FAX: 39-045-8989160

**Cascade N.V.
Benelux Sales**
Damsluisweg 56
PO Box 3009
1300 El Almere
The Netherlands
Tel: 036-5492950
FAX: 036-5492974

Cascade Kenhar Ltd.
3 Kelbrook Road
Parkhouse Ind. Estate
Openshaw,
Manchester M11 2DD
England
Tel: 0800-243015
FAX: 0161-4384055

**Sales Scotland
Macade Systems Ltd.**
18 Melford Road
Righead Ind. Estate
Bellshill ML4 3LR
Scotland
Tel: 01698-845777
FAX: 01698-845888

Cascade Scandinavia AB
Hammarvägen 10
PO Box 124
S-56723 Vaggeryd
Sweden
Tel: 039-336950
FAX: 039-336959

**Cascade France
S.A.R.L. MHP**
1D Rue De Charaintru BP 18,
91360 Epinay-Sur-Orge
France
Tel: 01-6454-7500
FAX: 01-6454-7501

Cascade Hispania S.A.
Calle Mogoda, 66-68 Nave 8
Pol Ind Can Salvatella
08210 Barberá del Vallés -
Barcelona, Spain
Tel: +34 93719 7530
Fax: +34 93719 75 31

Cascade (Africa) Pty. Ltd.
PO Box 625, Isando 1600
60A Steel Road
Sparton, Kempton Park
South Africa
Tel: 27-11-975-9240
FAX: 27-11-394-1147

Movimenta Lda.
Parque Industrial
Vale do Alecrim, Lote 108
2950-403 Palmela
Portugal
Tel: 351-212387340
FAX: 351-212387349

**Sales Switzerland
Fahrzeugbedarf**
8810, Horgen
Switzerland
Tel: 01-7279797
FAX: 01-7279798

Sales Poland
Targowa 35/61
03-728 Warszawa
Tel: 022-619 00 49
FAX: 022-619 00 49
Mobile Tel: 0501-27 29 55

Sales Russia
EMCG Material Handling
Equipment
Moscow
Tel: 095-795-2400
FAX: 095-795-2475
Email: emcg@emcg.ru

Cascade Japan Ltd.
2-23, 2-Chome,
Kukuchi Nishimachi
Amagasaki, Hyogo
Japan, 661-0978
Tel: 81-6-6420-9771
FAX: 81-6-6420-9777

Cascade Korea
121B 9L Namdong Ind.
Complex, 691-8 Gojan-Dong
Namdong-Ku
Inchon, 405-310 Korea
Tel: 82-32-821-2051
FAX: 82-32-821-2055

Cascade Australia
1445 Ipswich Road
Rocklea, QLD 4107
Australia
Tel: 1-800-227-223
FAX: 617-3373-7333

Cascade New Zealand
15 Ra Ora Drive
East Tamaki, Auckland
New Zealand
Tel: 64-9-273-9136
FAX: 64-9-273-9137

Cascade-Xiamen
No. 668 Yangguang Rd.
Xinyang Industrial Zone
Haicang, Xiamen City
Fujian Province
P.R. China 361026
Tel: 86-592-651-2500
FAX: 86-592-651-2571

**Sunstream Industries
Pte Ltd.**
No. 3 Tuas Link 1
2263
Singapore
Tel: 65-6863-3488
FAX: 65-6863-1368

**Cascade do Brasil
LTDA**
Rua João Guerra, 134
Macuco, Santos - SP
Brasil 11015-130
Tel: 55-13-2105-8800
Fax: 55-13-2105-8899

**Cascade India Material
Handling Private Limited**
No 9, Global Trade Centre
1/1 Rambaugh Colony
Lal Bahadur Shastri Road,
Navi Peth, Pune 411 030
(Maharashtra) India
Phone: 020 2433 5460/5490
Fax: 020 2433 0881

