



# Parts Manual

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Model \_\_\_\_\_ Fork Positioner

Catalog Number \_\_\_\_\_ 120K-FPS-C023 R1

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**cascade**®  
**corporation**

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

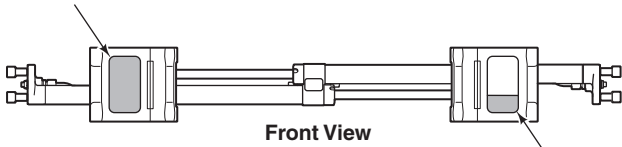
**OR**

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

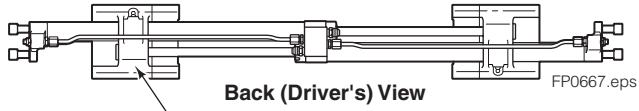
**Internet:** [www.cascorp.com](http://www.cascorp.com)

# Fork Positioner Assembly

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

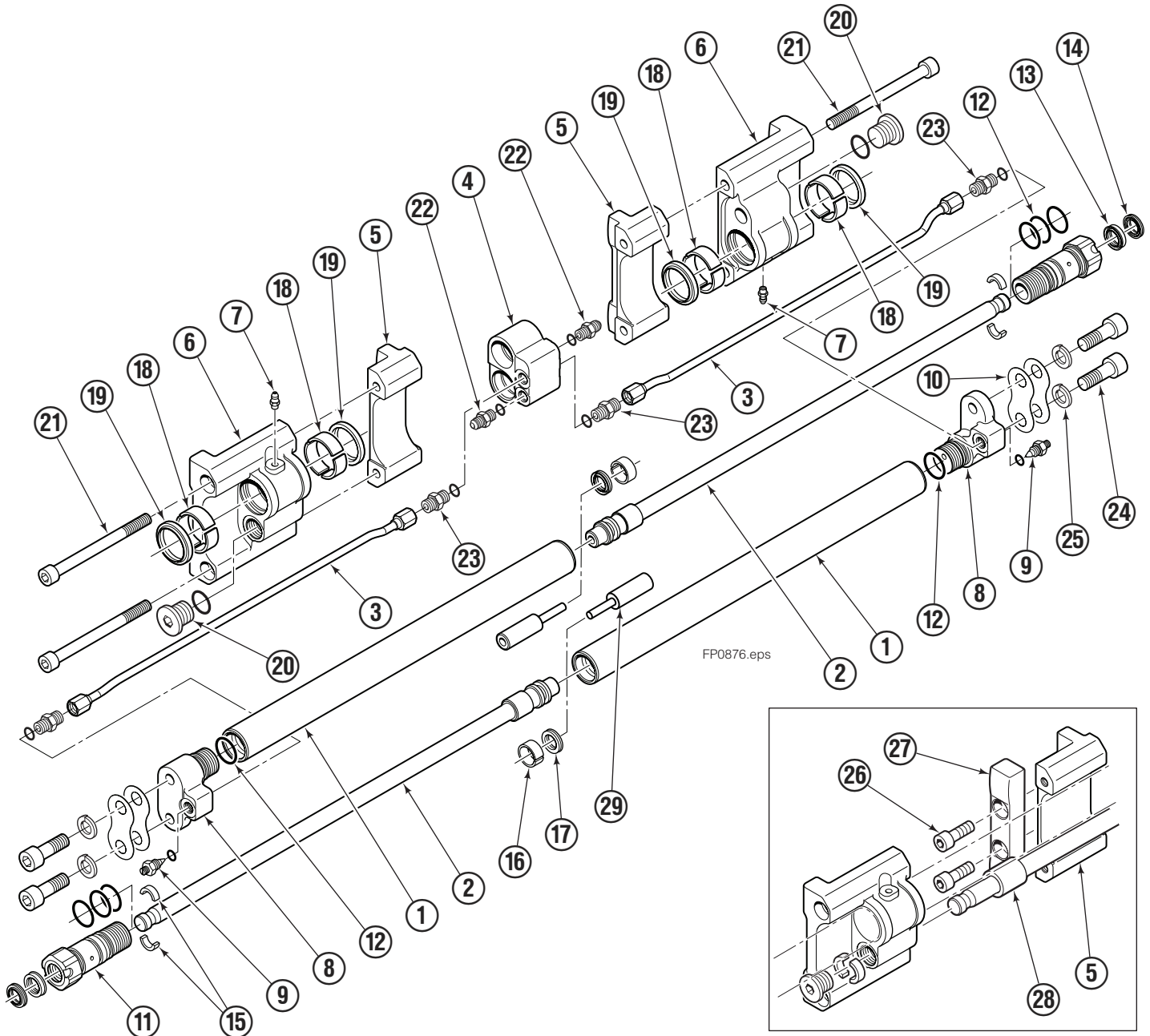


Patent Sticker



FP0667.eps

Assembly part number (on LH fork carrier).



# Fork Positioner Assembly

## Items that vary by width

| 120K/150K         |   |                                       |                             |
|-------------------|---|---------------------------------------|-----------------------------|
| ASSEMBLY PART NO. | REF. NO. 1 ★<br>CYLINDER SHELL<br>QTY 2 | REF. NO. 2 ★<br>CYLINDER ROD<br>QTY 2 | REF. NO. 3<br>TUBE<br>QTY 2 |
| 6804645           | 8100461                                 | 8100462                               | 8100464                     |

| 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.

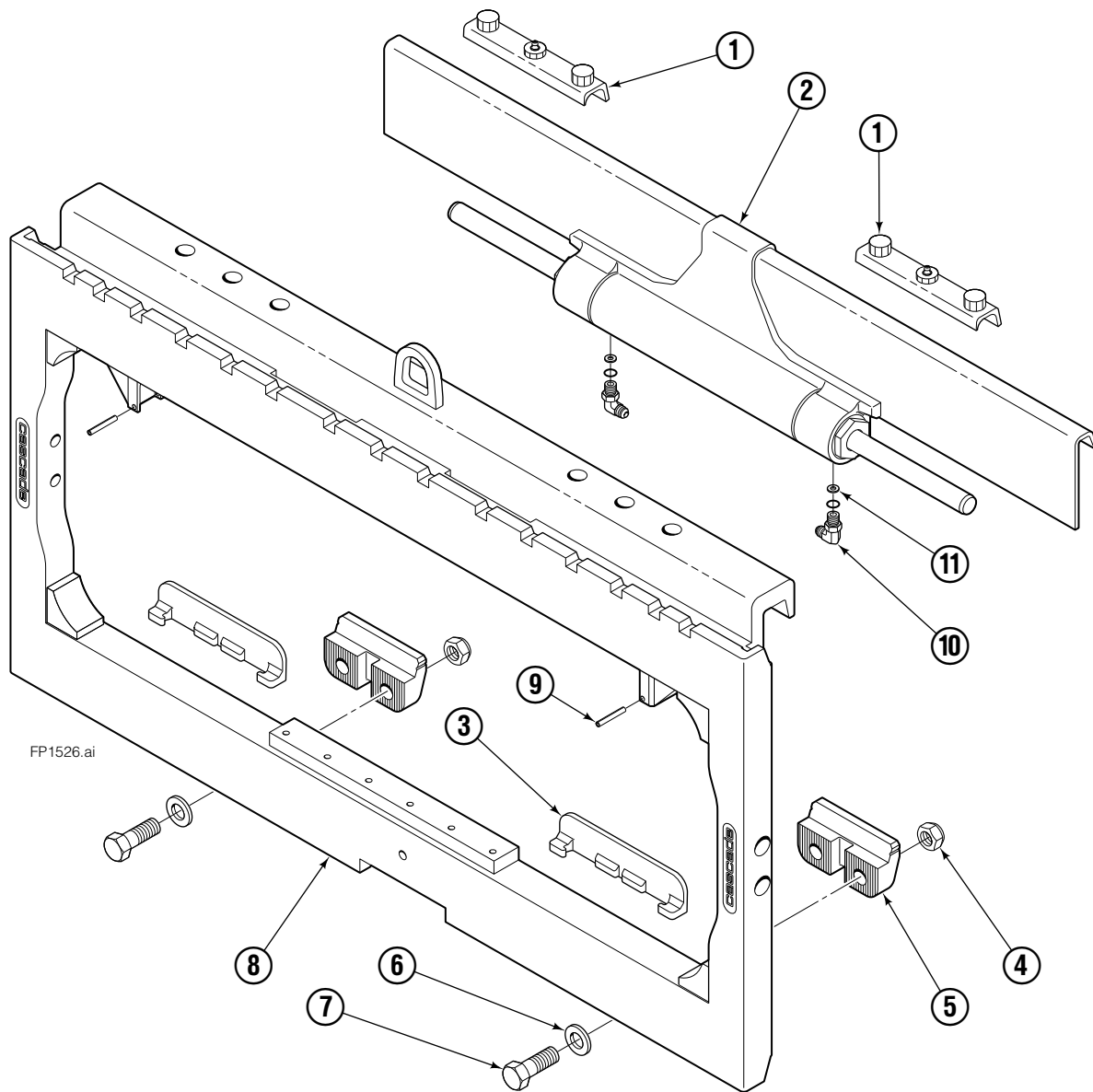
✘ Included in Cylinder Service Kit 6081752.

● 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   | 6802912  | Cylinder ▲    | 8   | 1   | 6804820  | 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.

■ Included in Fitting Group 204179.  
 ▼ Included in Restrictor Group 221732.

Reference: Common Parts 6801215, S-23796 – Type 2.

# Cylinder Assembly



| REF | QTY | PART NO. | DESCRIPTION          |
|-----|-----|----------|----------------------|
| 1   | 1   | 6802912  | 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 |
|                                       | <b>FORK POSITIONER</b>        |                |      |       |
| 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     |
|                                       | <b>SIDESHIFTER</b>            |                |      |       |
| ■                                     | 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](http://www.cascorp.com)

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