

L1786 Rev. E 03/06

For Date Codes Beginning with the Letter "O"

#### MODEL NUMBER CODE

- |                                                                    |                                                         |
|--------------------------------------------------------------------|---------------------------------------------------------|
| <b>1</b> S = swing cylinder                                        | <b>4</b> S = single-acting<br>D = double-acting         |
| <b>2</b> T = threaded body<br>U = upper flange<br>L = lower flange | <b>5</b> 5 = 5 kN force                                 |
| <b>3</b> R = right swing<br>L = left swing<br>S = straight swing   | <b>6</b> 1 = imperial body type<br>2 = metric body type |
|                                                                    | <b>7</b> V = Viton seal option                          |

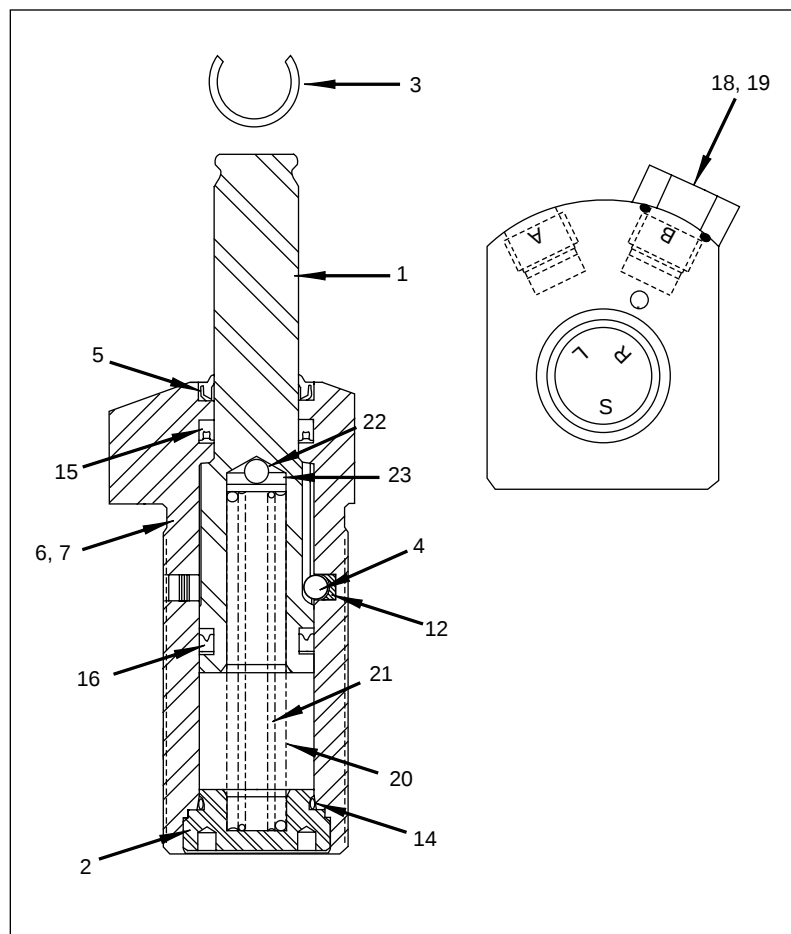
#### THREADED BODY MOUNTING STYLE

##### Setting Rotation Direction

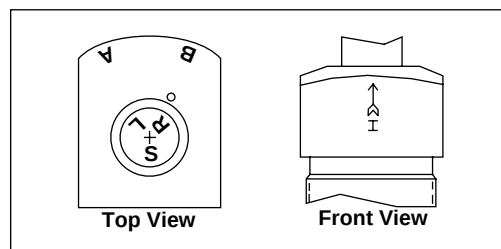
- When inserting plunger into base, align desired letter to arrow head stamped on side of cylinder body.  
**R** = right swing rotation      **L** = left swing rotation  
**S** = straight (no rotation)
- Insert plunger with proper tools. You may have to turn the plunger as you insert it to properly align ball in groove.

#### SINGLE-ACTING MODELS

- Lubricate all seals with Lubriplate prior to assembly.
- Lubricate ball and washer (items 18 & 19) with Lubriplate.
- Torque stop ring (item 2) to 8-15 ft-lbs (11-20 Nm).

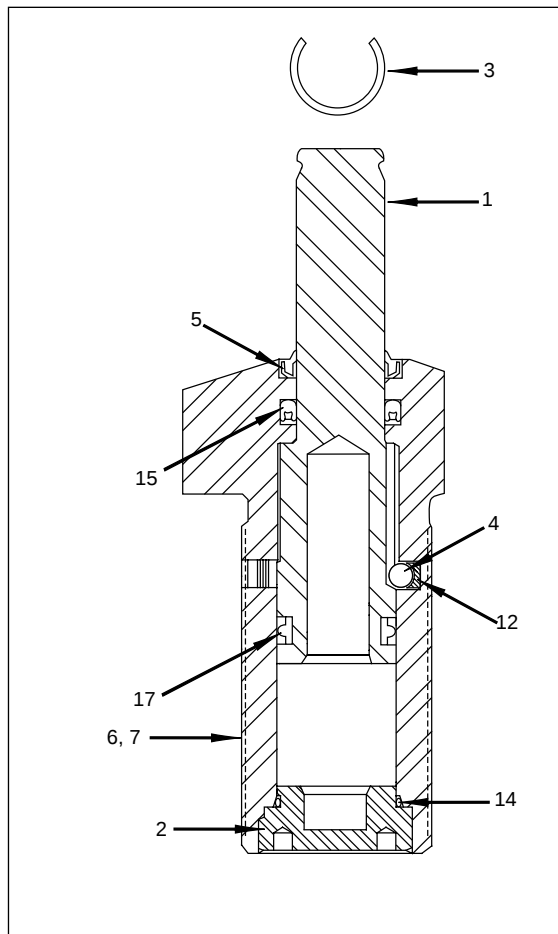


**NOTE:** You may need special tools to reassemble these swing cylinders. Tool drawings are available on request from Enerpac. To obtain tool drawings, contact the Enerpac Technical Services Department at 1-800-433-2766. Please be prepared to provide the Model Number and the Manufacturing Date Code of each swing cylinder being serviced.



#### DOUBLE-ACTING MODELS

- Lubricate all seals with Lubriplate prior to assembly.
- Torque stop ring (item 2) to 8-15 ft-lbs (11-20 Nm).

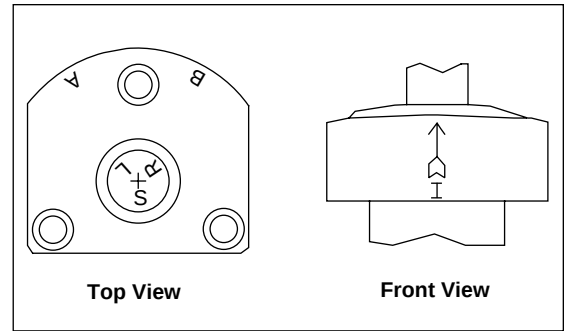




## UPPER FLANGE MOUNTING STYLE

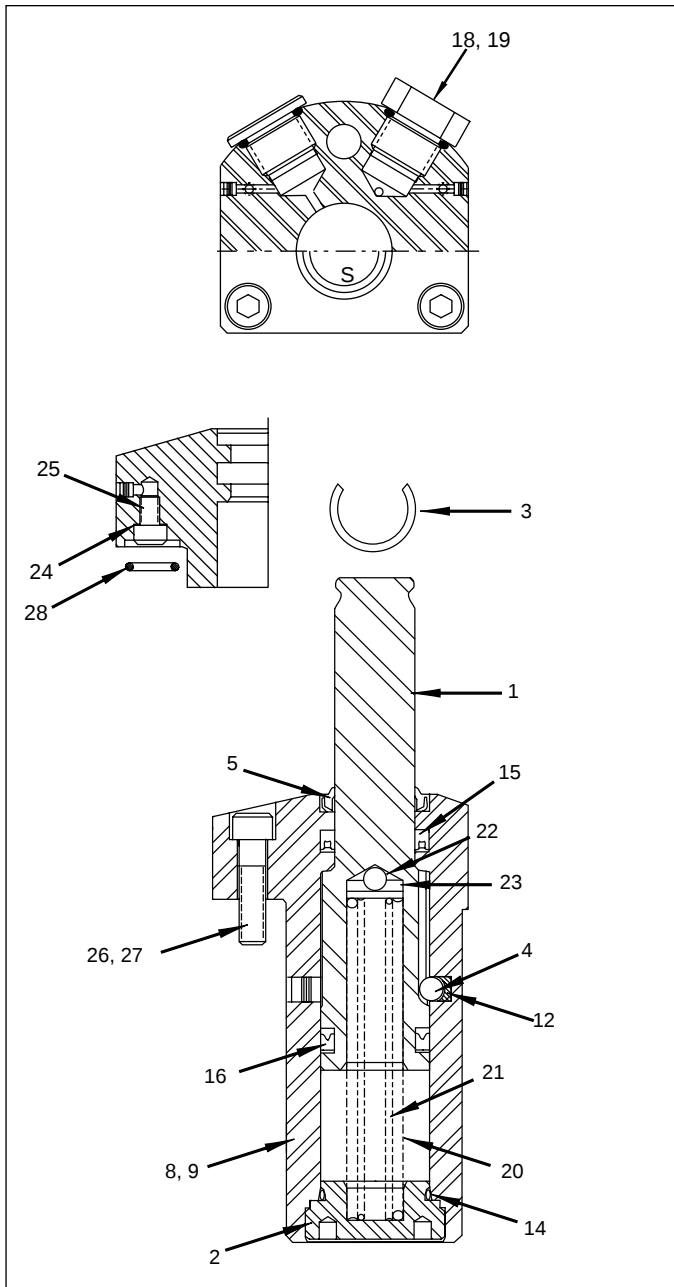
### Setting Rotation Direction

1. When inserting plunger into base, align desired letter to arrow head stamped on side of cylinder body.  
**R** = right swing rotation      **L** = left swing rotation  
**S** = straight (no rotation)
2. Insert plunger with proper tools. You may have to turn the plunger as you insert it to properly align ball in groove.



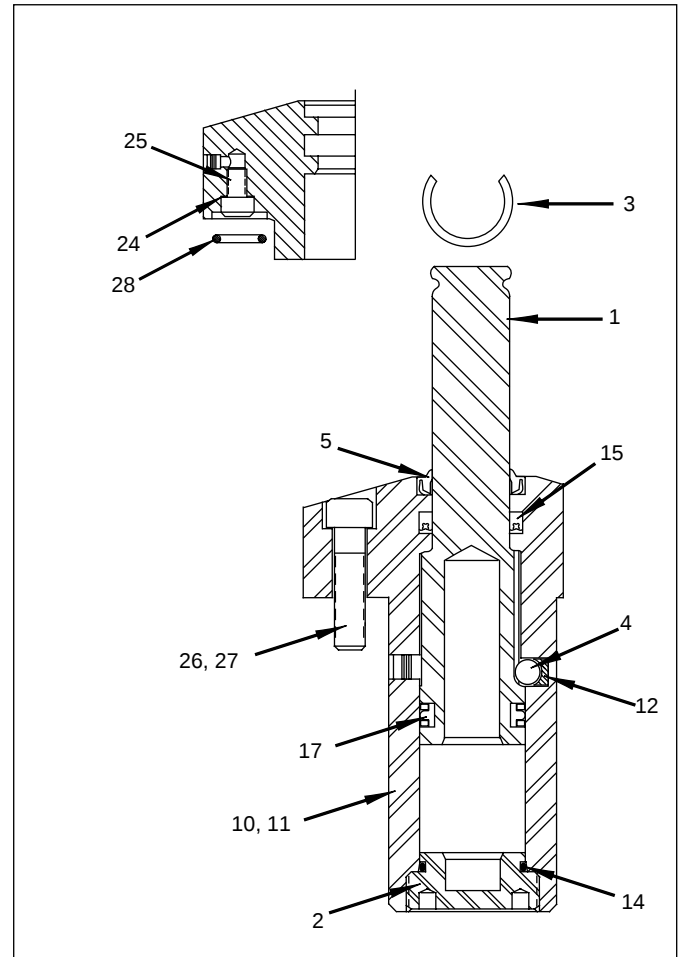
## SINGLE-ACTING MODELS

1. Lubricate all seals with Lubriplate prior to assembly.
2. Lubricate ball and washer (items 18 & 19) with Lubriplate.
3. Torque stop ring (item 2) to 8-15 ft-lbs (11-20 Nm).



## DOUBLE-ACTING MODELS

1. Lubricate all seals with Lubriplate prior to assembly.
2. Torque stop ring (item 2) to 8-15 ft-lbs (11-20 Nm).



## Repair Parts List for 5 KN Swing Cylinders

| Item | Standard Part Number | Viton Part Number | Qty. | Description                          |
|------|----------------------|-------------------|------|--------------------------------------|
| 1    | PA1234040            | PA1234040         | 1    | Plunger                              |
| 2    | PA1252044            | PA1252044         | 1    | Stop Ring                            |
| 3    | ★ PA1157049          | † PA1157049       | 1    | Retaining Ring                       |
| 4    | ★ F100016-5          | † F100016-5       | 1    | Ball                                 |
| 5    | ★ PA1133776          | † PA1797776       | 1    | Wiper                                |
| 6    | PA1240005SR          | PA1240005SR       | 1    | Base – Threaded (imperial)           |
| 7    | PA1248005SR          | PA1248005SR       | 1    | Base – Threaded (metric)             |
| 8    | PA1241005SR          | PA1241005SR       | 1    | Base – Upper Flange (imperial)       |
| 9    | PA1249005SR          | PA1249005SR       | 1    | Base – Upper Flange (metric)         |
| 10   | PA1242005SR          | PA1242005SR       | 1    | Base – Lower Flange (imperial)       |
| 11   | PA1250005SR          | PA1250005SR       | 1    | Base – Lower Flange (metric)         |
| 12   | ★ PA1403054          | † PA1403054       | 1    | Ball Cup                             |
| 14   | ★ B1018803           | † B1018203        | 1    | O-Ring                               |
| 15   | ★ PA1149041          | † PA1153041       | 1    | U-Cup                                |
| 16   | ★ PA1141041          | † PA1145041       | 1    | U-Cup (single-acting)                |
| 17   | ★ B1208513           | † PA1254515       | 1    | GT-Ring (double-acting)              |
| 18   | PA1103950SR          | PA1103950SR       | 1    | Vent Plug (single-acting) (imperial) |
| 19   | PA1267950SR          | PA1267950SR       | 1    | Vent Plug (single-acting) (metric)   |
| 20   | ★ PA1404110          | † PA1404110       | 1    | Spring (single-acting)               |
| 21   | ★ PA1405110          | † PA1405110       | 1    | Spring (single-acting)               |
| 22   | ★ F100016-5          | † F100016-5       | 1    | Ball (single-acting)                 |
| 23   | ★ PA1201108          | † PA1201108       | 1    | Washer (single-acting)               |
| 24   | ★ PA1303167          | † PA1303167       | 2    | Gasket                               |
| 25   | CCA411028-1A         | CCA411028-1A      | 2    | Bolt                                 |
| 26   | B1014028             | B1014028          | 3    | Bolt – Upper Flange (imperial)       |
| 26A  | B1016028             | B1016028          | 3    | Bolt – Lower Flange (imperial)       |
| 27   | CCA623028-1A         | CCA623028-1A      | 3    | Bolt – Upper Flange (metric)         |
| 27A  | CCA625028-1A         | CCA625028-1A      | 3    | Bolt – Lower Flange (metric)         |
| 28   | ★ B1011803           | † B1011203        | 2    | O-Ring                               |

★ Items included in and available only as part of Repair Kit SS51K (single-acting) or SD51K (double-acting).  
 Items included in and available only as part of Repair Kit SS51KV (single-acting) or SD51KV (double-acting).

### Enerpac Worldwide Locations

#### Africa

ENERPAC Middle East FZE  
P.O. Box 18004  
Jebel Ali, Dubai  
United Arab Emirates  
Tel: +971 (0)4 8872686  
Fax: +971 (0)4 8872687

#### Australia

Actuant Australia Ltd.  
Block V Unit 3  
Regents Park Estate  
391 Park Road  
Regents Park NSW 2143  
(P.O. Box 261) Australia  
Tel: +61 297 438 988  
Fax: +61 297 438 648

#### Brazil

Power Packer do Brasil Ltda.  
Rua dos Inocentes, 587  
04764-050 - Sao Paulo (SP)  
Tel: +55 11 5687 2211  
Fax: +55 11 5686 5583  
Toll Free in Brazil:  
Tel: 0800 891 5770  
vendasbrasil@enerpac.com

#### Canada

Actuant Canada Corporation  
6615 Ordan Drive, Unit 14-15  
Mississauga, Ontario L5T 1X2  
Tel: +1 905 564 5749  
Fax: +1 905 564 0305  
Toll Free:  
Tel: +1 800 268 4987  
Fax: +1 800 461 2456  
Technical Inquiries:  
techservices@enerpac.com

#### China

Actuant China Ltd.  
1F, 269 Fute N. Road  
Waigaoqiao Free Trade Zone  
Pudong New District  
Shanghai, 200 131 China  
Tel: +86 21 5866 9099  
Fax: +86 21 5866 7156

Actuant China Ltd. (Beijing)  
709B Diyang Building  
Xin No. 2  
Dong San Huan North Rd.  
Beijing City  
100028 China  
Tel: +86 10 845 36166  
Fax: +86 10 845 36220

#### Central and Eastern Europe, Greece

ENERPAC B.V.  
Galvanistraat 115  
P.O. Box 8097  
6710 AB Ede  
The Netherlands  
Tel: +31 318 535 936  
Fax: +31 318 535 951

#### France, Switzerland francophone

ENERPAC  
Une division de ACTUANT  
France S.A.  
B.P. 200, Parc d'Activités  
du Moulin de Massy  
F-91882 Massy CEDEX France  
Tel: +33 1 60 13 68 68  
Fax: +33 1 69 20 37 50

### ✦ e-mail: info@enerpac.com

#### Germany, Austria, Greece and Switzerland

ENERPAC GmbH  
P.O. Box 300113  
D-40401 Düsseldorf  
Germany  
Tel: +49 211 471 490  
Fax: +49 211 471 49 28

#### India

ENERPAC Hydraulics  
(India) Pvt. Ltd.  
Office No. 9,10 & 11,  
Plot No. 56, Monarch Plaza,  
Sector 11, C.B.D. Belapur  
Navi Mumbai 400614, India  
Tel: +91 22 2756 6090  
Tel: +91 22 2756 6091  
Fax: +91 22 2756 6095

#### Italy

ENERPAC S.p.A.  
Via Canova 4  
20094 Corsico (Milano)  
Tel: +39 02 4861 111  
Fax: +39 02 4860 1288

#### Japan

Applied Power Japan Ltd.  
Besshochou 85-7  
Saitama-shi, Kita-ku,  
Saitama 331-0821  
Japan  
Tel: +81 48 662 4911  
Fax: +81 48 662 4955

#### Middle East, Turkey and Caspian Sea

ENERPAC Middle East FZE  
P.O. Box 18004  
Jebel Ali, Dubai  
United Arab Emirates  
Tel: +971 (0)4 8872686  
Fax: +971 (0)4 8872687

#### Russia and CIS (excl. Caspian Sea Countries)

Actuant LLC  
Admiral Makarov Street 8  
125212 Moscow, Russia  
Tel: +7-495-9809091  
Fax: +7-495-9809092

#### Singapore

Actuant Asia Pte. Ltd.  
25 Serangoon North Ave. 5  
#03-01 Keppel Digihub  
Singapore 554914  
Thomson Road  
P.O. Box 114  
Singapore 915704  
Tel: +65 64 84 5108  
+65 64 84 3737  
Fax: +65 64 84 5669  
Toll Free: +1800 363 7722  
Technical Inquiries:  
techsupport@enerpac.com.sg

#### South Korea

Actuant Korea Ltd.  
3Ba 717,  
Shihwa Industrial Complex  
Jungwang-Dong, Shihung-Shi,  
Kyunggi-Do  
Republic of Korea 429-450  
Tel: +82 31 434 4506  
Fax: +82 31 434 4507

### ✦ internet: www.enerpac.com

#### Spain and Portugal

ENERPAC  
C/San José Artesano 8  
Pol. Ind.  
28108 Alcobendas  
(Madrid) Spain  
Tel: +34 91 661 11 25  
Fax: +34 91 661 47 89

#### The Netherlands, Belgium, Luxembourg, Sweden, Denmark, Norway, Finland and Baltic States

ENERPAC B.V.  
Galvanistraat 115  
P.O. Box 8097, 6710 AB Ede  
The Netherlands  
Tel: +31 318 535 911  
Fax: +31 318 525 613  
+31 318 535 848

#### Technical Inquiries Europe:

techsupport.europe@enerpac.com

#### United Kingdom, Ireland

Enerpac Ltd  
Bentley Road South  
Darlaston, West Midlands  
WS10 8LQ, United Kingdom  
Tel: +44 (0)121 50 50 787  
Fax: +44 (0)121 50 50 799

#### USA, Latin America and Caribbean

ENERPAC  
P.O. Box 3241  
6100 N. Baker Road  
Milwaukee, WI 53209 USA  
Tel: +1 262 781 6600  
Fax: +1 262 783 9562

Inquiries/orders:  
+1 800 558 0530

Technical Inquiries:  
techservices@enerpac.com

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