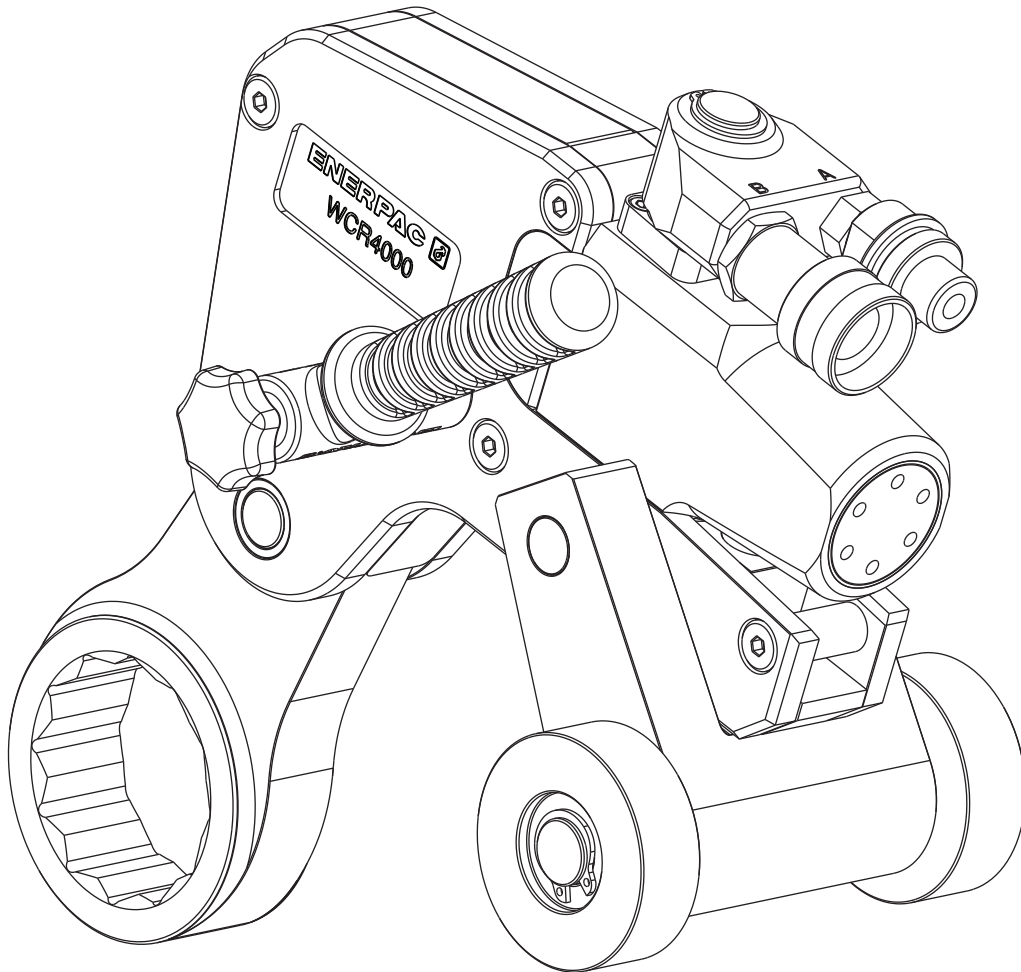


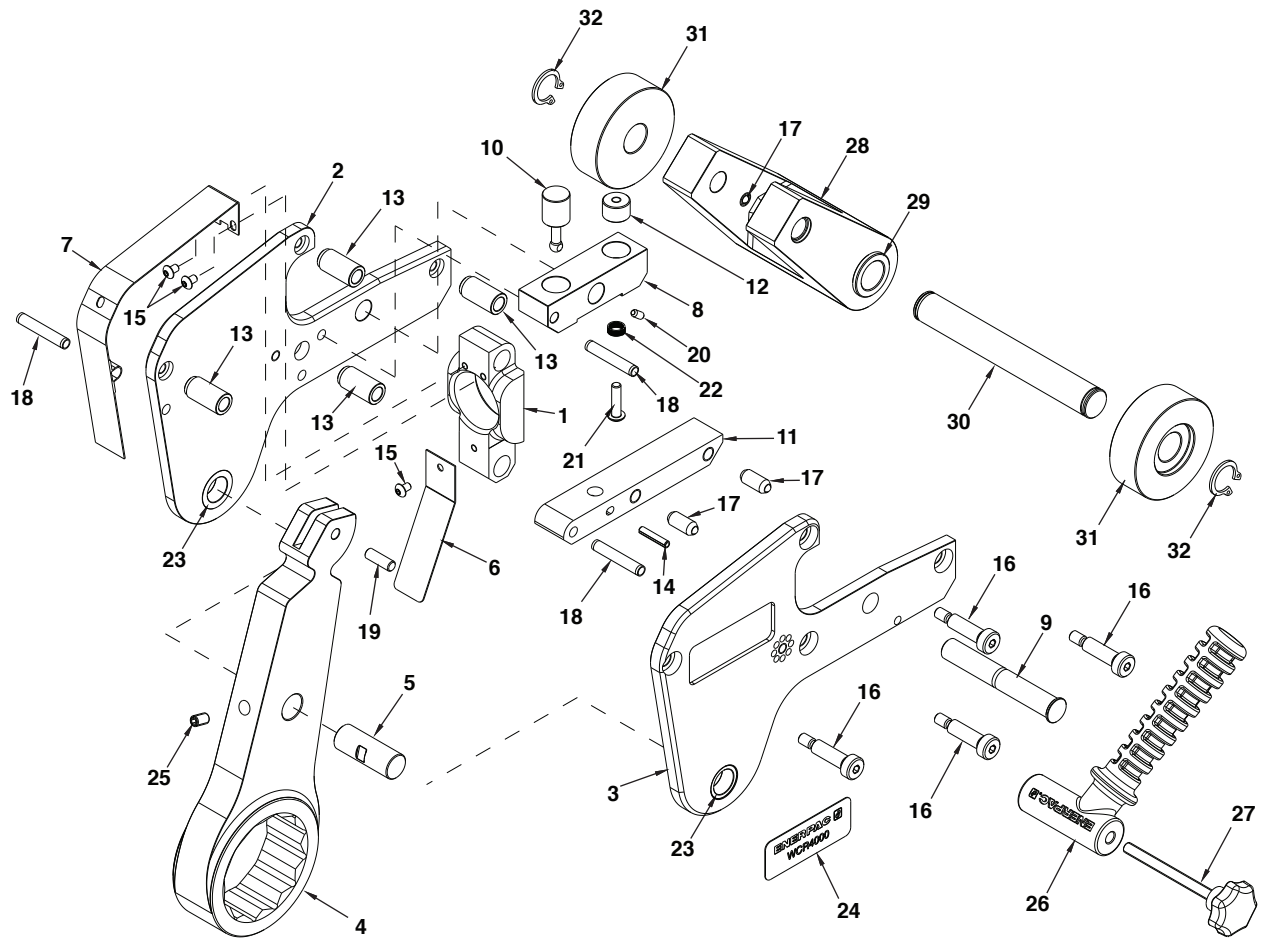
**To Protect Your Warranty, Use Only ENERPAC Hydraulic Oil.**

Enerpac recommends that all kit components be installed to insure optimum performance of the repaired product.



**Contents:**

|                                               | <b>Pages</b> |
|-----------------------------------------------|--------------|
| Figure 1, Cassette Assembly.....              | 2-3          |
| Figure 2, Spanner Assembly.....               | 4            |
| Figure 3, Carrying Cases .....                | 5            |
| Figure 4, Drive Unit and Swivel Assembly..... | 6-7          |



**Note:** See page 3 for part numbers and kits.

Figure 1, Cassette Assembly, WCR4000

| Repair Parts List for Figure 1                                                                                                                                                                                                                                                                                      |                 |      |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   |                                              |                         |                               |                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|---------------------------------------------------|--------------------------------------------------|-------------------------------|------------------------------|----------------------------|-------------------------------------|-----------------------------|-----------------------------------|----------------------------------------------|-------------------------|-------------------------------|--------------------------------------|
| Item                                                                                                                                                                                                                                                                                                                | Part Number     | Qty. | Parts Kits                                        |                                                  |                               |                              |                            |                                     |                             |                                   |                                              |                         | Available as individual item. | Description                          |
|                                                                                                                                                                                                                                                                                                                     |                 |      | Sideplate and Bushing Kit<br>Right-Hand DD3511920 | Sideplate and Bushing Kit<br>Left-Hand DD3512920 | Spanner Kit<br>(see Figure 2) | Head Guard Kit<br>WCR4000HGK | Safe Link Kit<br>W4000SLKB | Cassette Hardware Kit<br>WW4000CHKB | Head Spacer Kit<br>W4000HSK | Reaction Roller Kit<br>WCR4000RRK | Reaction Roller and<br>Bracket Kit DD3513920 | Side Handle Kit<br>SWH6 |                               |                                      |
| 1                                                                                                                                                                                                                                                                                                                   | (Not Available) | 1    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   |                                              |                         |                               | Cylinder Locating Plate              |
| 2                                                                                                                                                                                                                                                                                                                   | DD3501101       | 1    | •                                                 |                                                  |                               |                              |                            |                                     |                             |                                   |                                              |                         |                               | RH Sideplate                         |
| 3                                                                                                                                                                                                                                                                                                                   | DD3502101       | 1    |                                                   | •                                                |                               |                              |                            |                                     |                             |                                   |                                              |                         |                               | LH Sideplate                         |
| 4                                                                                                                                                                                                                                                                                                                   | (See Figure 2)  | 1    |                                                   |                                                  | •                             |                              |                            |                                     |                             |                                   |                                              |                         |                               | Spanner                              |
| 5                                                                                                                                                                                                                                                                                                                   | DD3507061       | 1    |                                                   |                                                  | •                             |                              |                            |                                     |                             |                                   |                                              |                         | *                             | Spanner Pin                          |
| 6                                                                                                                                                                                                                                                                                                                   | DD3508689       | 1    |                                                   |                                                  |                               | •                            |                            |                                     |                             |                                   |                                              |                         |                               | Guard, Rear                          |
| 7                                                                                                                                                                                                                                                                                                                   | DD3533920       | 1    |                                                   |                                                  |                               | •                            |                            |                                     |                             |                                   |                                              |                         |                               | Guard, Front                         |
| 8                                                                                                                                                                                                                                                                                                                   | (Not Available) | 1    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   |                                              |                         |                               | Pin Retainer                         |
| 9                                                                                                                                                                                                                                                                                                                   | DD3510061       | 1    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   |                                              |                         |                               | Reaction Roller<br>Bracket Pin       |
| 10                                                                                                                                                                                                                                                                                                                  | 4000109A        | 1    |                                                   |                                                  |                               |                              | •                          |                                     |                             |                                   |                                              |                         |                               | Cylinder Retaining Pin               |
| 11                                                                                                                                                                                                                                                                                                                  | 4000114A        | 1    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   |                                              |                         | *                             | Reaction Foot and<br>Release Lever   |
| 12                                                                                                                                                                                                                                                                                                                  | 4000115         | 1    |                                                   |                                                  |                               |                              | •                          |                                     |                             |                                   |                                              |                         |                               | Fail Safe Pin                        |
| 13                                                                                                                                                                                                                                                                                                                  | 4000113A        | 4    |                                                   |                                                  |                               |                              |                            |                                     | •                           |                                   |                                              |                         |                               | Sideplate Spacer                     |
| 14                                                                                                                                                                                                                                                                                                                  | E4764K          | 1    |                                                   |                                                  |                               |                              | •                          |                                     |                             |                                   |                                              |                         | *                             | Pin, Spring (packet of 5)            |
| 15                                                                                                                                                                                                                                                                                                                  | CBA411028-1E    | 3    |                                                   |                                                  |                               | •                            |                            | •                                   |                             |                                   |                                              |                         |                               | Screw, Button Head                   |
| 16                                                                                                                                                                                                                                                                                                                  | 4000129         | 4    |                                                   |                                                  |                               |                              |                            | •                                   | •                           |                                   |                                              |                         |                               | Screw, Shoulder, Mod.                |
| 17                                                                                                                                                                                                                                                                                                                  | E4584K          | 3    |                                                   |                                                  |                               |                              | •                          | •                                   |                             |                                   | •                                            |                         | *                             | Spring Plunger<br>(packet of 10)     |
| 18                                                                                                                                                                                                                                                                                                                  | E4564K          | 3    |                                                   |                                                  |                               | •                            |                            | •                                   |                             |                                   |                                              |                         | *                             | Pin, Spirol Spring<br>(packet of 10) |
| 19                                                                                                                                                                                                                                                                                                                  | E4849K          | 1    |                                                   |                                                  | •                             |                              |                            | •                                   |                             |                                   |                                              |                         | *                             | Pin, Spirol Spring<br>(packet of 10) |
| 20                                                                                                                                                                                                                                                                                                                  | E4728           | 1    |                                                   |                                                  |                               |                              |                            | •                                   |                             |                                   |                                              |                         |                               | Ball Detent                          |
| 21                                                                                                                                                                                                                                                                                                                  | CBA521028-1E    | 1    |                                                   |                                                  |                               |                              | •                          | •                                   |                             |                                   |                                              |                         |                               | Screw, Button Head                   |
| 22                                                                                                                                                                                                                                                                                                                  | E3083K          | 1    |                                                   |                                                  |                               |                              | •                          |                                     |                             |                                   |                                              |                         | *                             | Spring (packet of 10)                |
| 23                                                                                                                                                                                                                                                                                                                  | DD3506039       | 2    | •                                                 | •                                                |                               |                              |                            |                                     |                             |                                   |                                              |                         | *                             | Sideplate Bushing                    |
| 24                                                                                                                                                                                                                                                                                                                  | SL100154        | 1    |                                                   |                                                  |                               |                              |                            | •                                   |                             |                                   |                                              |                         |                               | Nameplate, Enerpac                   |
| 25                                                                                                                                                                                                                                                                                                                  | CCA615028-5A    | 1    |                                                   |                                                  | •                             |                              |                            |                                     |                             |                                   |                                              |                         |                               | Set Screw                            |
| 26                                                                                                                                                                                                                                                                                                                  | DM0220070       | 1    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   |                                              | •                       |                               | Handle                               |
| 27                                                                                                                                                                                                                                                                                                                  | DM0309147       | 1    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   |                                              | •                       |                               | Handle Knob                          |
| 28                                                                                                                                                                                                                                                                                                                  | DD3509103       | 1    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   | •                                            |                         |                               | Reaction Roller Bracket              |
| 29                                                                                                                                                                                                                                                                                                                  | DD3504039       | 2    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   | •                                            |                         | *                             | Roller Bush                          |
| 30                                                                                                                                                                                                                                                                                                                  | DD3505061       | 1    |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   | •                                            |                         |                               | Reaction Roller Pin                  |
| 31                                                                                                                                                                                                                                                                                                                  | DD3503281       | 2    |                                                   |                                                  |                               |                              |                            |                                     |                             | •                                 | •                                            |                         |                               | Reaction Roller                      |
| 32                                                                                                                                                                                                                                                                                                                  | E4847K          | 2    |                                                   |                                                  |                               |                              |                            |                                     |                             | •                                 | •                                            |                         | *                             | Circlip (packet of 10)               |
| <b>Notes:</b> • Enerpac recommends that all kit components be installed to assure optimum performance of the repaired product.<br>• Items 14, 17, 18, 19, 22 and 32: All kits include the actual quantity shown in the Qty column. Packets of multiple parts are provided only when the item is ordered separately. |                 |      |                                                   |                                                  |                               |                              |                            |                                     |                             |                                   |                                              |                         |                               |                                      |

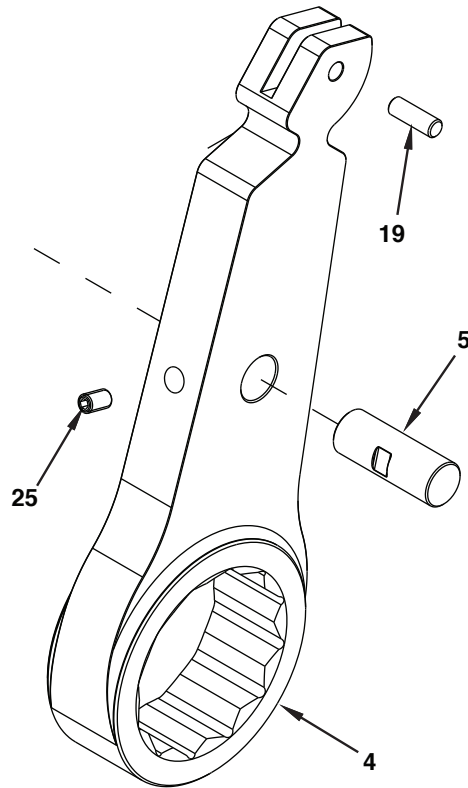
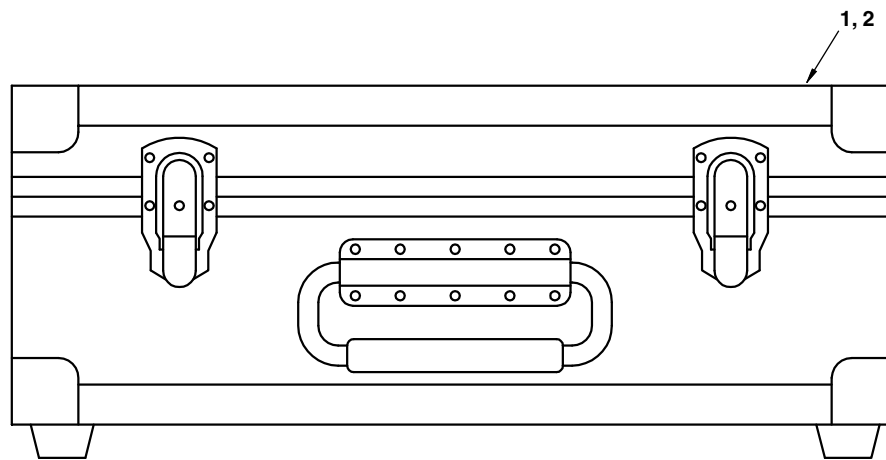


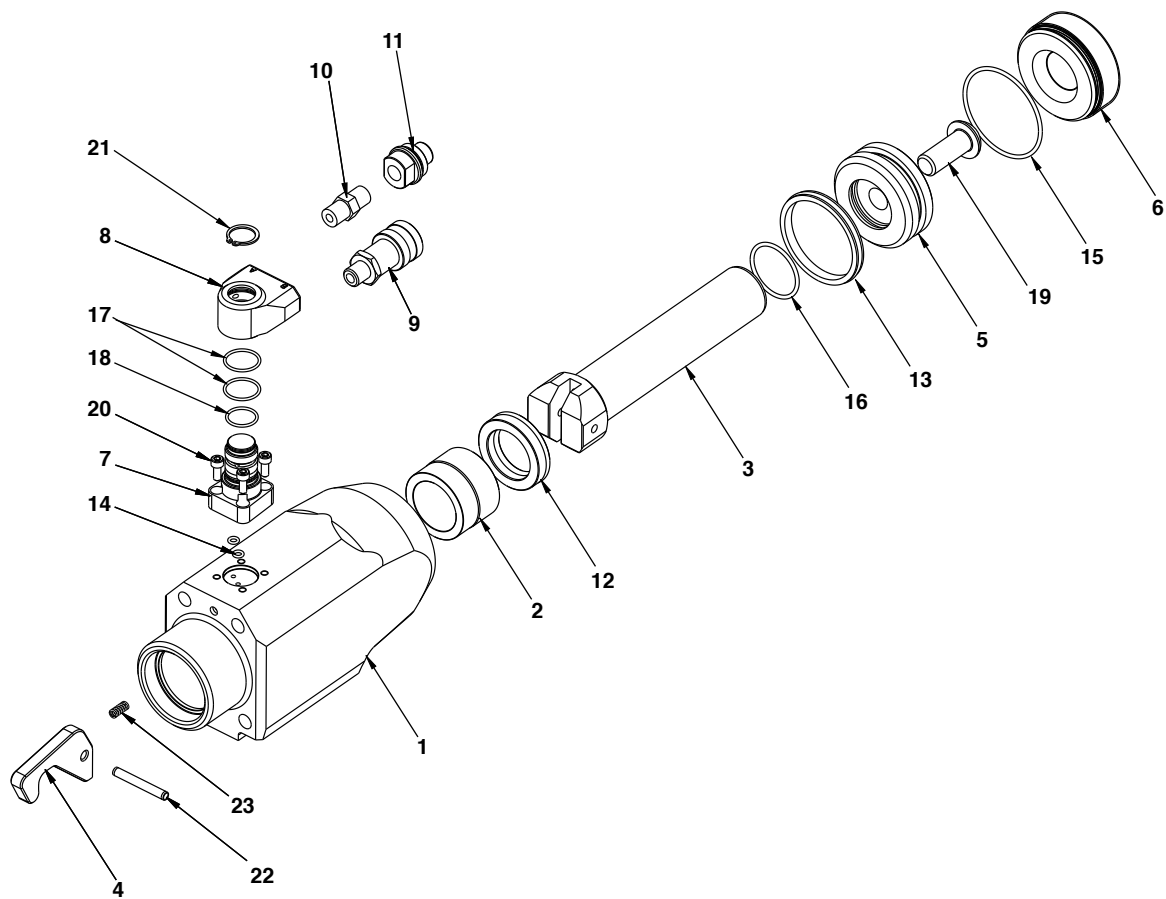
Figure 2, Spanner Assembly, Closed End, WCR4000 Series

| Spanner Size |        | Part Numbers                                   |                                                 |
|--------------|--------|------------------------------------------------|-------------------------------------------------|
| Inch         | Metric | Spanner Only<br>(Includes items 4 and 19 only) | Spanner Kit<br>(Includes items 4, 5, 19 and 25) |
| 1-7/16"      | 36     | DD3511036C4107A                                | W4107CS                                         |
| 1-1/2"       | 38     | DD3511036C4108A                                | W4108CS                                         |
| 1-5/8"       | 41     | DD3511036C4110A                                | W4110CS                                         |
| 1-13/16"     | 46     | DD3511036C4113A                                | W4113CS                                         |
| 1-7/8"       | 48     | DD3511036C4114A                                | W4114CS                                         |
| 2"           | 50     | DD3511036C4200A                                | W4200CS                                         |
| 2-3/16"      | 55     | DD3511036C4203A                                | W4203CS                                         |
| 2-3/8"       | 60     | DD3511036C4206A                                | W4206CS                                         |
| 2-9/16"      | 65     | DD3511036C4209A                                | W4209CS                                         |
| 2-3/4"       | 70     | DD3511036C4212A                                | W4212CS                                         |
| 2-15/16"     | 75     | DD3511036C4215A                                | W4215CS                                         |
| 3-1/8"       | 80     | DD3511036C4302A                                | W4302CS                                         |



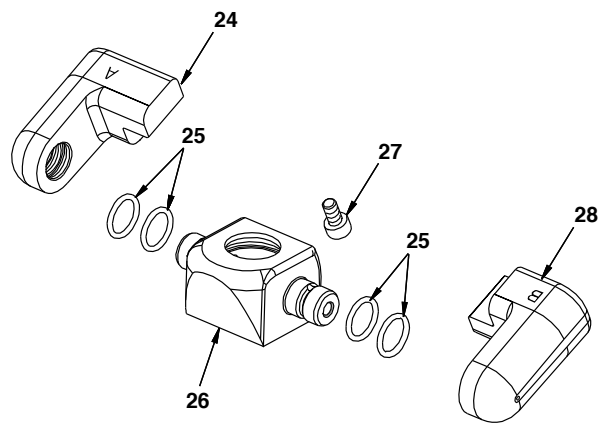
**Figure 3, Carrying Case, W4000 Series (typical - appearance may vary)**

| Repair Parts List for Figure 3 |             |      |                                        |
|--------------------------------|-------------|------|----------------------------------------|
| Item                           | Part Number | Qty. | Description                            |
| 1                              | DD1363530   | 1    | Carrying Case, W4000 Series Drive Unit |
| 2                              | DD1379530   | 1    | Carrying Case, WCR4000 Roller Cassette |



**Note:** See page 7 for part numbers and kits.

#### TSP 100 Swivel Assembly



(optional - replaces item 8)

Figure 4, Drive Unit and Swivel Assembly, W4000 Series

### Repair Parts List for Figure 4

| Item | Part Number     | Quantity |        | Parts Kits                         |                              |                                           |                                |                                              |                                     | Available as individual item. | Description                             |
|------|-----------------|----------|--------|------------------------------------|------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------|-------------------------------------|-------------------------------|-----------------------------------------|
|      |                 | W4000    | W4000P | Drive Unit Rebuild Kit<br>W4000DRK | Retract Link Kit<br>W4000RLK | Standard Swivel Kit with Post<br>W4000SMK | Drive Unit Seal Kit<br>W4000SK | TSP100 Swivel Manifold Seal Kit<br>W2000SMSK | Swivel and Manifold Kit<br>TSP100MK |                               |                                         |
| 1    | (Not Available) | 1        | 1      |                                    |                              |                                           |                                |                                              |                                     |                               | Cylinder Body                           |
| 2    | 4000106A        | 1        | 1      | •                                  |                              |                                           |                                |                                              |                                     |                               | Cylinder Bushing                        |
| 3    | 4000104         | 1        | 1      | •                                  |                              |                                           |                                |                                              |                                     |                               | Piston Rod                              |
| 4    | 4000105         | 1        | 1      |                                    | •                            |                                           |                                |                                              |                                     |                               | Retract Link                            |
| 5    | 4000103         | 1        | 1      | •                                  |                              |                                           |                                |                                              |                                     |                               | Piston                                  |
| 6    | 4000102         | 1        | 1      | •                                  |                              |                                           |                                |                                              |                                     |                               | Cylinder Gland                          |
| 7    | 1000S004        | 1        | 1      |                                    |                              | •                                         |                                |                                              | •                                   | *                             | Swivel Manifold Post (Small)            |
| 8    | 1000S003        | 1        | - - -  |                                    |                              | •                                         |                                |                                              |                                     | *                             | Swivel Manifold Block (Small)           |
| 9    | TR630           | 1        | 1      |                                    |                              |                                           |                                |                                              |                                     | *                             | Coupling, 10,000 PSI Screw-On           |
| 10   | FZ1608          | 1        | 1      |                                    |                              |                                           |                                |                                              |                                     | *                             | Adaptor, Hex 10,000 PSI                 |
| 11   | TH630           | 1        | 1      |                                    |                              |                                           |                                |                                              |                                     | *                             | Nipple, 10,000 PSI Screw-On             |
| 12   | E2360           | 1        | 1      |                                    |                              |                                           | •                              |                                              |                                     |                               | Seal, Rod                               |
| 13   | E2312           | 1        | 1      |                                    |                              |                                           | •                              |                                              |                                     |                               | Seal, T Piston w/Back Up Rings          |
| 14   | E2304K          | 2        | 2      |                                    |                              | •                                         | •                              | •                                            | •                                   | *                             | O-Ring<br>(packet of 10)                |
| 15   | E2311           | 1        | 1      |                                    |                              |                                           | •                              |                                              |                                     |                               | O-Ring                                  |
| 16   | E2313           | 1        | 1      |                                    |                              |                                           | •                              |                                              |                                     |                               | O-Ring                                  |
| 17   | E2239           | 2        | 2      |                                    |                              | •                                         | •                              | •                                            | •                                   |                               | O-Ring                                  |
| 18   | E2237           | 1        | 1      |                                    |                              | •                                         | •                              | •                                            | •                                   |                               | O-Ring                                  |
| 19   | E4560           | 1        | 1      | •                                  |                              |                                           |                                |                                              |                                     |                               | Capscrew, Button Head                   |
| 20   | E4598           | 4        | 4      |                                    |                              | •                                         |                                |                                              | •                                   |                               | Swivel Manifold Retaining Screw         |
| 21   | E4017K          | 1        | 1      |                                    |                              | •                                         | •                              | •                                            | •                                   | *                             | Retainer Ring, Circlip<br>(packet of 5) |
| 22   | E4561           | 1        | 1      |                                    | •                            |                                           |                                |                                              |                                     |                               | Pin, Spirol Spring                      |
| 23   | E3074K          | 1        | 1      |                                    | •                            |                                           |                                |                                              |                                     | *                             | Spring, Compression<br>(packet of 5)    |
| 24   | 1000S009        | - - -    | 1      |                                    |                              |                                           |                                |                                              | •                                   |                               | Swivel Arm, Pressure A                  |
| 25   | E2173           | - - -    | 4      |                                    |                              |                                           |                                | •                                            | •                                   |                               | O-Ring, Double Swivel                   |
| 26   | 1000S011        | - - -    | 1      |                                    |                              |                                           |                                |                                              | •                                   |                               | Manifold Block, Double Swivel           |
| 27   | E4650           | - - -    | 1      |                                    |                              |                                           |                                | •                                            | •                                   |                               | Capscrew, Swivel Arm                    |
| 28   | 1000S010        | - - -    | 1      |                                    |                              |                                           |                                |                                              | •                                   |                               | Swivel Arm, Return B                    |

**Notes:** • Enerpac recommends that all kit components be installed to assure optimum performance of the repaired product.  
• Items 14, 21 and 23: All kits include the actual quantity shown in the Quantity columns.  
Packets of multiple parts are provided only when the item is ordered separately.

## Enerpac Worldwide Locations

◆ e-mail: [info@enerpac.com](mailto:info@enerpac.com)

◆ internet: [www.enerpac.com](http://www.enerpac.com)

### Australia and New Zealand

Actuant Australia Ltd.  
Block V Unit 3  
Regents Park Estate  
391 Park Road  
Regents Park NSW 2143  
(P.O. Box 261) Australia  
T +61 (0)2 9743 8988  
F +61 (0)2 9743 8648  
[sales-au@enerpac.com](mailto:sales-au@enerpac.com)

### Brazil

Power Packer do Brasil Ltda.  
Rua Luiz Lawrie Reid, 548  
09930-760 - Diadema (SP)  
T +55 11 5687 2211  
F +55 11 5686 5583  
Toll Free: 0800 891 5770  
[vendasbrasil@enerpac.com](mailto:vendasbrasil@enerpac.com)

### Canada

Actuant Canada Corporation  
6615 Ordan Drive, Unit 14-15  
Mississauga, Ontario L5T 1X2  
T +1 905 564 5749  
F +1 905 564 0305  
Toll Free:  
T +1 800 268 4987  
F +1 800 461 2456  
[customer.service@actuant.com](mailto:customer.service@actuant.com)

### China

Actuant (China) Industries Co. Ltd.  
No.6 Nanjing East Road,  
Taicang Economic Dep Zone  
Jiangsu, China  
T +86 0512 5328 7500  
F +86 0512 5335 9690  
Toll Free: +86 400 885 0369  
[sales-cn@enerpac.com](mailto:sales-cn@enerpac.com)

### France, Switzerland, North Africa and French speaking African countries

ENERPAC  
Une division d'ACTUANT France S.A.  
ZA de Courtaboeuf  
32, avenue de la Baltique  
91140 VILLEBON /YVETTE  
France  
T +33 1 60 13 68 68  
F +33 1 69 20 37 50  
[sales-fr@enerpac.com](mailto:sales-fr@enerpac.com)

### Germany and Austria

ENERPAC GmbH  
P.O. Box 300113  
D-40401 Düsseldorf  
Willstätterstrasse 13  
D-40549 Düsseldorf, Germany  
T +49 211 471 490  
F +49 211 471 49 28  
[sales-de@enerpac.com](mailto:sales-de@enerpac.com)

### India

ENERPAC Hydraulics Pvt. Ltd.  
No. 1A, Peenya Industrial Area  
IInd Phase, Bangalore, 560 058, India  
T +91 80 40 792 777  
F +91 80 40 792 792  
[sales-in@enerpac.com](mailto:sales-in@enerpac.com)

### Italy

ENERPAC S.p.A.  
Via Canova 4  
20094 Corsico (Milano)  
T +39 02 4861 111  
F +39 02 4860 1288  
[sales-it@enerpac.com](mailto:sales-it@enerpac.com)

### Japan

Applied Power Japan LTD KK  
Besshocho 85-7  
Kita-ku, Saitama-shi 331-0821, Japan  
T +81 48 662 4911  
F +81 48 662 4955  
[sales-jp@enerpac.com](mailto:sales-jp@enerpac.com)

### Middle East, Egypt and Libya

ENERPAC Middle East FZE  
Office 423, LOB 15  
P.O. Box 18004, Jebel Ali, Dubai  
United Arab Emirates  
T +971 (0)4 8872686  
F +971 (0)4 8872687  
[sales-ua@enerpac.com](mailto:sales-ua@enerpac.com)

### Russia

Rep. office Enerpac  
Russian Federation  
Admiral Makarova Street 8  
125212 Moscow, Russia  
T +7 495 98090 91  
F +7 495 98090 92  
[sales-ru@enerpac.com](mailto:sales-ru@enerpac.com)

### Southeast Asia, Hong Kong and Taiwan

Actuant Asia Pte Ltd.  
83 Joo Koon Circle  
Singapore 629109  
T +65 68 63 0611  
F +65 64 84 5669  
Toll Free: +1800 363 7722  
[sales-sg@enerpac.com](mailto:sales-sg@enerpac.com)

### South Korea

Actuant Korea Ltd.  
3Ba 717, Shihwa Industrial Complex  
Jungwang-Dong, Shihung-Shi,  
Kyunggi-Do  
Republic of Korea 429-450  
T +82 31 434 4506  
F +82 31 434 4507  
[sales-kr@enerpac.com](mailto:sales-kr@enerpac.com)

### Spain and Portugal

ENERPAC SPAIN, S.L.  
Avda. Los Frailes, 40 – Nave C & D  
Pol. Ind. Los Frailes  
28814 Daganzo de Arriba  
(Madrid) Spain  
T +34 91 884 86 06  
F +34 91 884 86 11  
[sales-es@enerpac.com](mailto:sales-es@enerpac.com)

### Sweden, Denmark, Norway, Finland and Iceland

Enerpac Scandinavia AB  
Fabriksgatan 7  
412 50 Gothenburg  
Sweden  
T +46 (0) 31 799 0281  
F +46 (0) 31 799 0010  
[scandinavianinquiries@enerpac.com](mailto:scandinavianinquiries@enerpac.com)

### The Netherlands, Belgium, Luxembourg, Central and Eastern Europe, Baltic States, Greece, Turkey and CIS countries

ENERPAC B.V.  
Galvanistraat 115  
6716 AE Ede  
P.O. Box 8097  
6710 AB Ede  
The Netherlands  
T +31 318 535 911  
F +31 318 535 848  
[sales-nl@enerpac.com](mailto:sales-nl@enerpac.com)

### Enerpac Integrated Solutions B.V.

Opaalstraat 44  
7554 TS Hengelo  
P.O. Box 421  
7550 AK Hengelo  
The Netherlands  
T +31 74 242 20 45  
F +31 74 243 03 38  
[integratedsolutions@enerpac.com](mailto:integratedsolutions@enerpac.com)

### South Africa and other English speaking African countries

Enerpac Africa Pty Ltd.  
No. 5 Bauhinia Avenue  
Cambridge Office Park  
Block E  
Highveld Techno Park  
Centurion 0157  
South Africa  
T: +27 12 940 0656

### United Kingdom and Ireland

ENERPAC Ltd.,  
Bentley Road South  
Darlaston, West Midlands  
WS10 8LQ  
England  
T +44 (0)121 50 50 787  
F +44 (0)121 50 50 799  
[sales-uk@enerpac.com](mailto:sales-uk@enerpac.com)

### USA, Latin America and Caribbean

ENERPAC  
P.O. Box 3241  
Milwaukee WI 53201 USA  
T +1 262 293 1600  
F +1 262 293 7036  
User inquiries:  
T +1 800 433 2766  
Distributor inquiries/orders:  
T +1 800 558 0530  
F +1 800 628 0490  
Technical inquiries:  
[techservices@enerpac.com](mailto:techservices@enerpac.com)  
[sales-us@enerpac.com](mailto:sales-us@enerpac.com)

All Enerpac products are guaranteed  
against defects in workmanship and  
materials for as long as you own them.

For the location of your nearest authorized  
Enerpac Service Center, visit us at  
[www.enerpac.com](http://www.enerpac.com)

012313