



# Parts Manual

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Model 35D Bar-Arm Clamp

Serial Number 35D-BAB-02AR1

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**cascade<sup>®</sup>**  
**corporation**

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

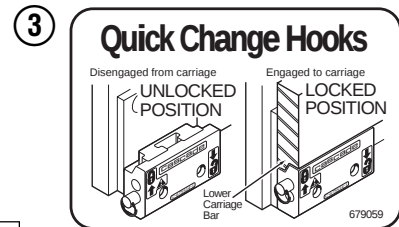
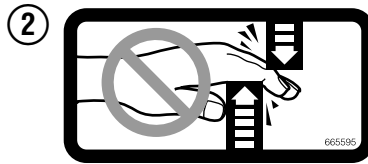
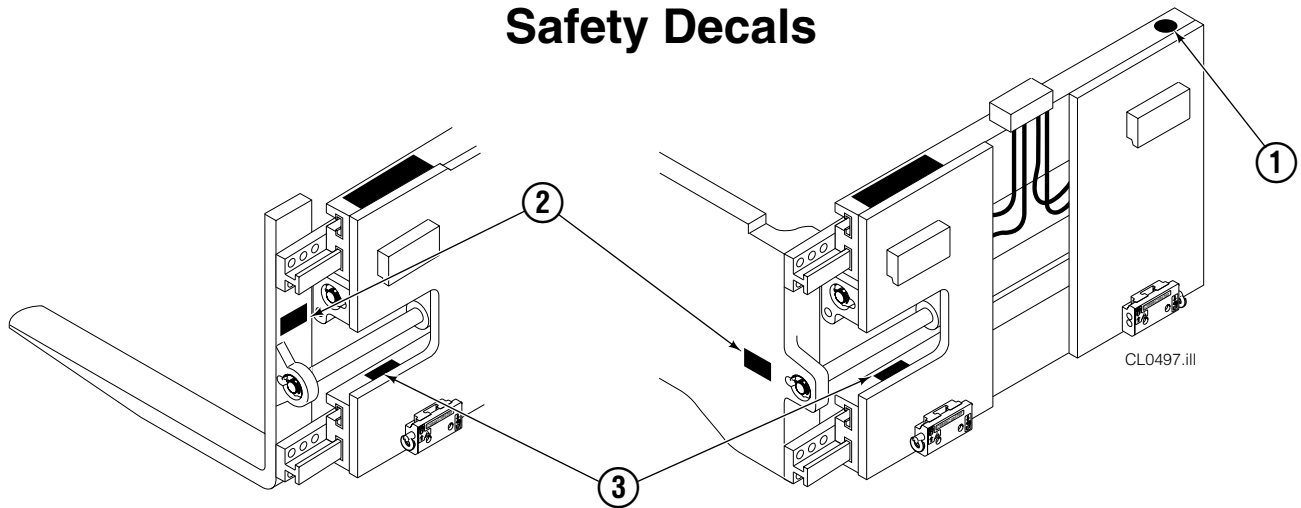
**To Order Parts call:** 888-227-2233, Fax: 888-329-0234

**OR**

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

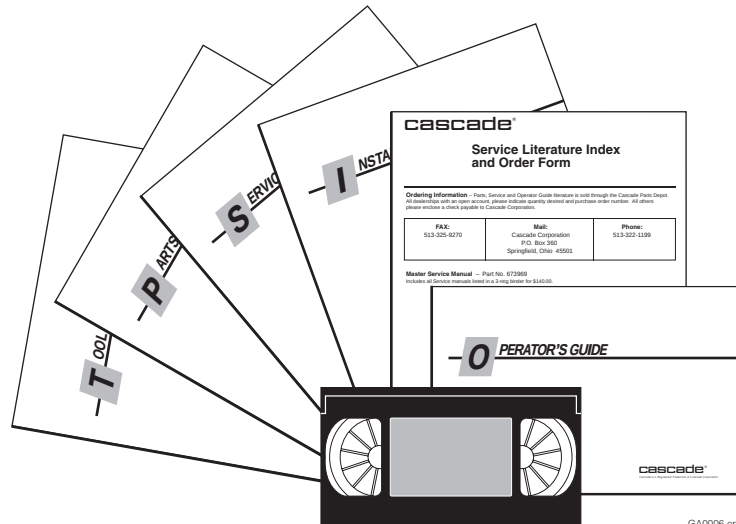
**Internet:** [www.cascorp.com](http://www.cascorp.com)

## Safety Decals



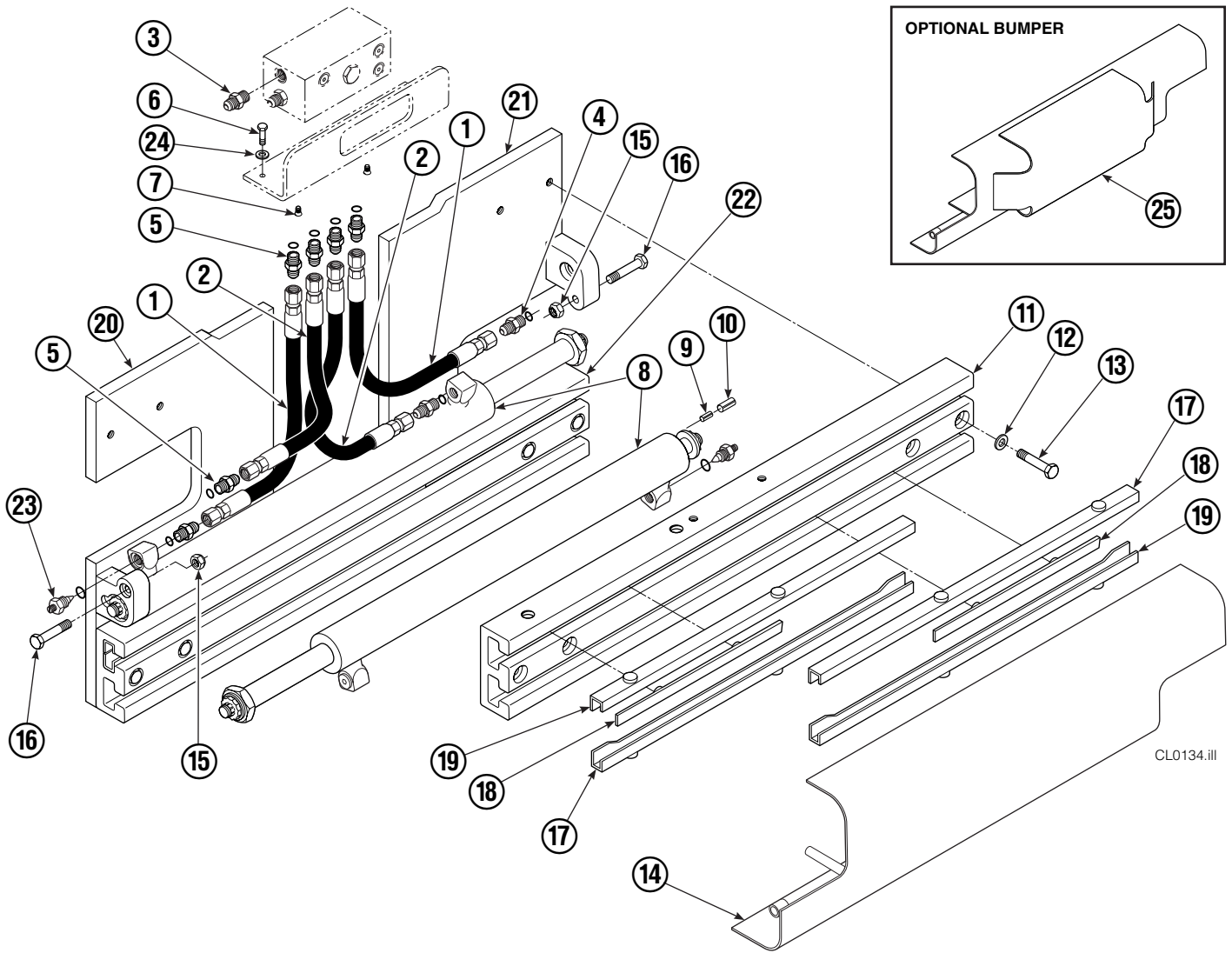
| REF | QTY | PART NO. | DESCRIPTION             |
|-----|-----|----------|-------------------------|
| 1   | 1   | 679150   | No Step Decal           |
| 2   | 2   | 665595   | No Hand Hold Decal      |
| 3   | 1   | 679059   | Quick Change Hook Decal |

## Publications



| PART NO. | DESCRIPTION                     |
|----------|---------------------------------|
| 669224   | Service Manual                  |
| 672944   | Operators Guide                 |
| 668987   | Installation Instructions       |
| 680664   | Servicing Cascade Cylinders-VHS |
| 679929   | Tool Catalog                    |
| 673964   | Literature Index Order Form     |

# Base Unit Group



| 35D |     |          |                        |     |     |          |                         |
|-----|-----|----------|------------------------|-----|-----|----------|-------------------------|
| REF | QTY | PART NO. | DESCRIPTION            | REF | QTY | PART NO. | DESCRIPTION             |
|     |     | 381408   | Base Unit Group        | 13  | 8   | 667909   | Capscrew                |
| 1   | 2   | 382360   | Hose, 22.50 in.        | 14  | 1   | 381411   | Bumper                  |
| 2   | 2   | 210439   | Hose, 15.75 in.        | 15  | 2   | 665707   | Nut, 1/2 in. ID         |
| 3   | 1   | 601377   | Fitting, 8-8           | 16  | 2   | 633523   | Capscrew, 1/2 NC x 2.50 |
| 4   | 2   | 686369   | Fitting                | 17  | 4   | 668910   | Bearing                 |
| 5   | 6   | 611288   | Fitting, 6-8           | 18  | 4   | 667663   | Bearing                 |
| 6   | 2   | 671222   | Capscrew, 3/8 NC x .75 | 19  | 4   | 668911   | Bearing                 |
| 7   | 2   | 4750     | Capscrew, 3/8 NC x .75 | 20  | 1   | 381415   | Mounting Plate - RH     |
| 8   | 2   | 317610   | Cylinder ▲             | 21  | 1   | 381413   | Mounting Plate - LH     |
| 9   | 2   | 7861     | Roll Pin - Inner       | 22  | 1   | 381410   | Frame - Lower           |
| 10  | 2   | 7962     | Roll Pin - Outer       | 23  | 2   | 667609   | Restrictor Cartridge ●  |
| 11  | 1   | 381410   | Frame - Upper          | 24  | 2   | 6230     | Washer                  |
| 12  | 8   | 667910   | Washer                 | 25  | 1   | 671519   | Optional Bumper         |

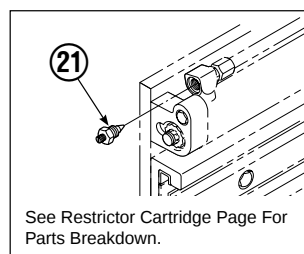
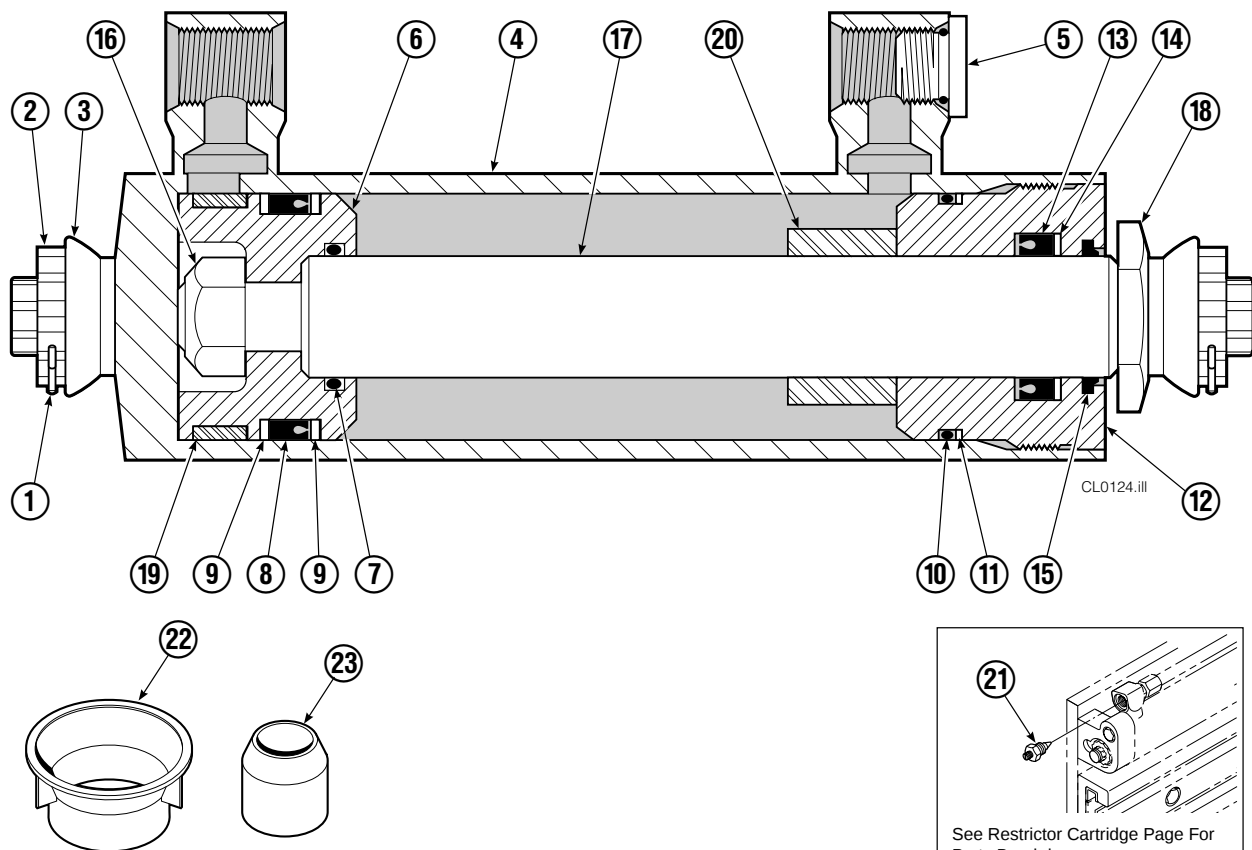
▲ See Cylinder page for parts breakdown.

● Not included in Base Unit Group.

See Restrictor Cartridge page for parts breakdown.

Reference: SK-5301, Common Parts Group 380409.

# Cylinder



| 35D |     |          |                         |
|-----|-----|----------|-------------------------|
| REF | QTY | PART NO. | DESCRIPTION             |
|     |     | 317610   | Cylinder Assembly       |
| 1   | 2   | 6510     | ■ Cotter Pin            |
| 2   | 2   | 667624   | ■ Nut Retainer          |
| 3   | 2   | 667625   | ■ Nut                   |
| 4   | 1   | 317611   | Shell                   |
| 5   | 1   | 602580   | Fitting                 |
| 6   | 1   | 670891   | Piston                  |
| 7   | 1   | 2716     | ▲ O-Ring                |
| 8   | 1   | 662454   | ▲ Seal                  |
| 9   | 2   | 638249   | ▲ Nylon Ring            |
| 10  | 1   | 2787     | ▲ O-Ring                |
| 11  | 1   | 615130   | ▲ Back-Up Ring          |
| 12  | 1   | 667917   | Retainer                |
| 13  | 1   | 662448   | ▲ Seal                  |
| 14  | 1   | 638243   | ▲ Nylon Ring            |
| 15  | 1   | 636853   | ▲ Wiper                 |
| 16  | 1   | 667623   | Nut                     |
| 17  | 1   | 317612   | Rod                     |
| 18  | 1   | 667626   | Washer                  |
| 19  | 1   | 660761   | Bearing                 |
| 20  | 1   | —        | Spacer                  |
| 21  | 1   | 667609   | Restrictor Cartridge ●  |
| 22  | 1   | 671049   | ▲ Seal Loader, Piston   |
| 23  | 1   | 671052   | ▲ Seal Loader, Retainer |
|     |     | 667995   | Service Kit             |

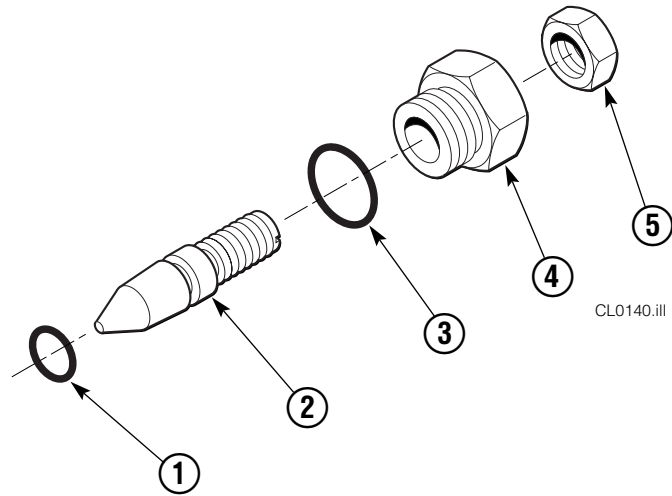
▲ Included in Service Kit 667995.

■ Included in Nut Service Kit 668926.

● Not included in Cylinder Assembly.

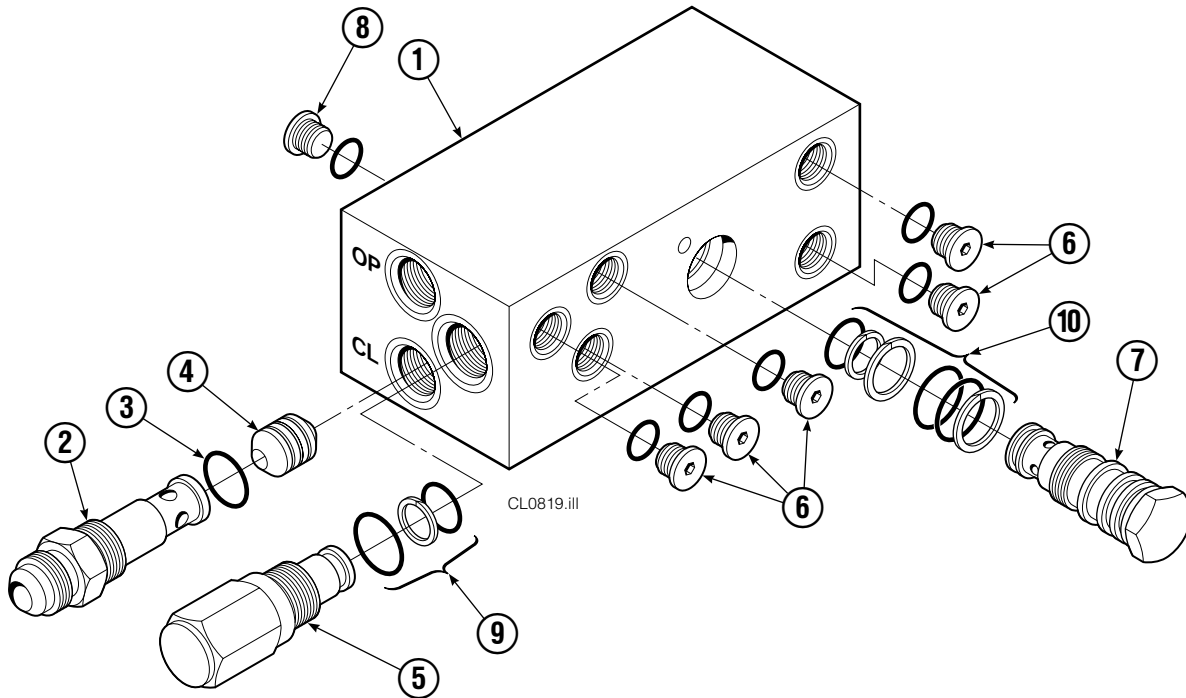
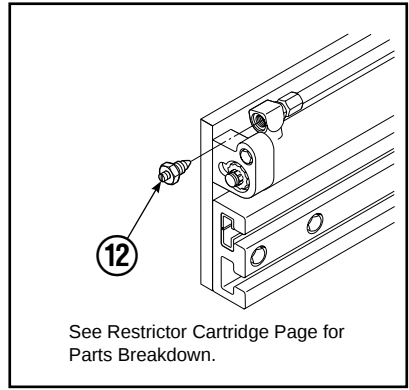
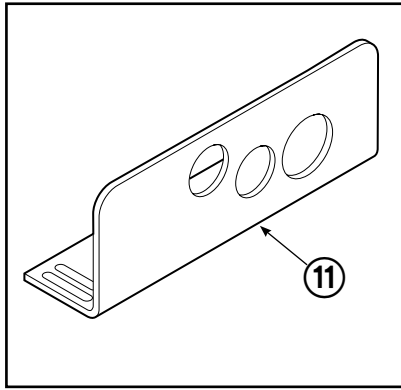
Reference: S-7662.

# Restrictor Cartridge



| REF | QTY | PART NO. | DESCRIPTION          |
|-----|-----|----------|----------------------|
|     |     | 667609   | Restrictor Cartridge |
| 1   | 1   | 2701     | O-Ring               |
| 2   | 1   | 667611   | Plunger              |
| 3   | 1   | 2841     | O-Ring               |
| 4   | 1   | 667610   | Plug – Special       |
| 5   | 1   | 5716     | Jam Nut              |

## Check Valve

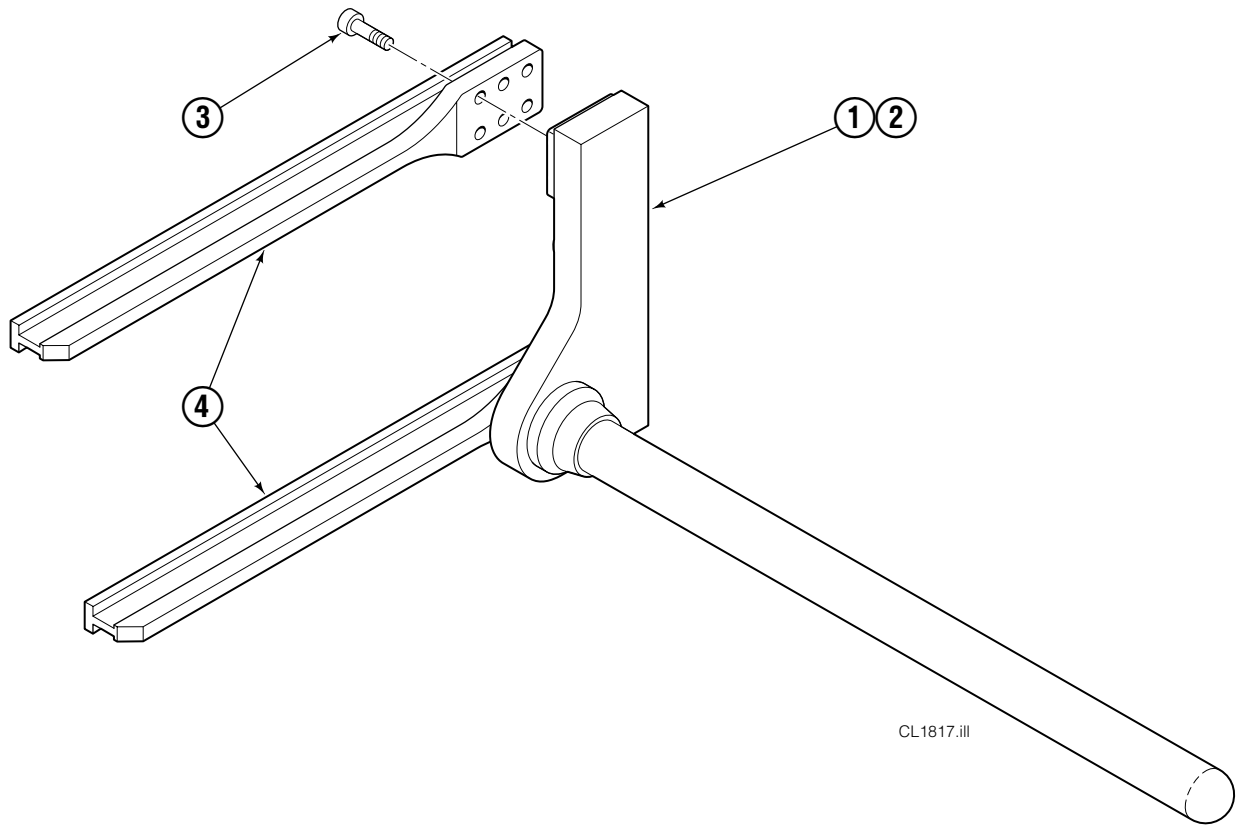


| 35D |     |          |                 |     |     |          |                      |
|-----|-----|----------|-----------------|-----|-----|----------|----------------------|
| REF | QTY | PART NO. | DESCRIPTION     | REF | QTY | PART NO. | DESCRIPTION          |
|     |     | 364527   | Valve Group ■   | 7   | 1   | 678270   | Check Valve - V.P.O. |
|     |     | 363873   | Check Valve ▲   | 8   | 1   | 604510   | Fitting, 6           |
| 1   | 1   | 667468   | Valve Body      | 9   | 1   | 667510   | Service Kit          |
| 2   | 1   | 667470   | Special Fitting | 10  | 1   | 661347   | Service Kit          |
| 3   | 1   | 2841     | O-Ring          | 11  | 1   | 316732   | Bracket              |
| 4   | 1   | 667471   | Spool           | 12  | 2   | 667609   | Restrictor Cartridge |
| 5   | 1   | 679890   | Relief Valve    |     |     | 668864   | Valve Service Kit    |
| 6   | 5   | 609455   | Fitting         |     |     | 667510   | Seal Kit             |

▲ Contains items 1-10 only.

- Includes Check Valve 363873 and item 12.

# Ram Arms

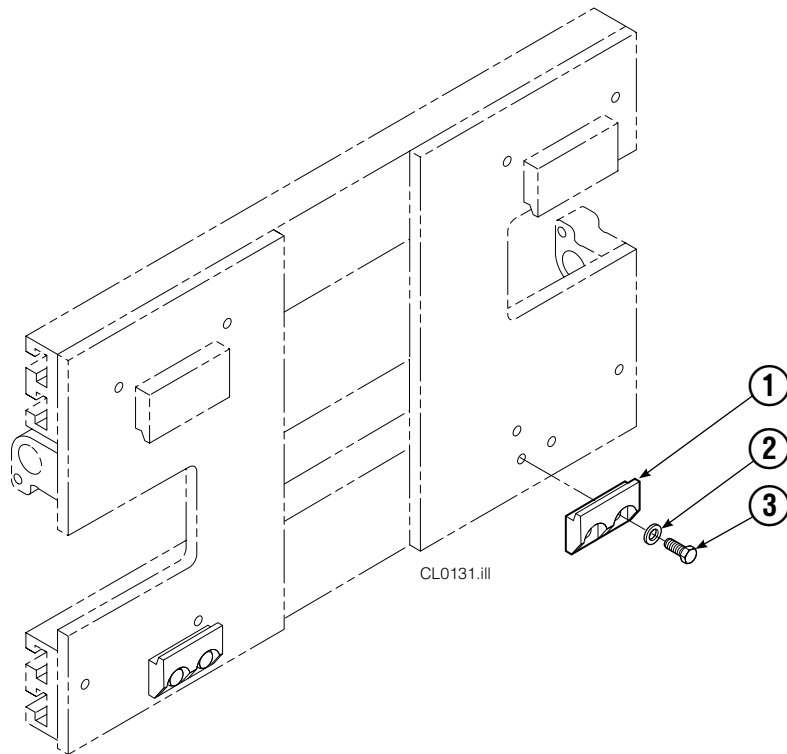


| ARM CAPSCREW EXTENSION TOOL<br>Required for Proper Torquing of Capscrews            |         |        |
|-------------------------------------------------------------------------------------|---------|--------|
|  | 35D/50D | 667699 |

| 35D |     |          |                      |
|-----|-----|----------|----------------------|
| REF | QTY | PART NO. | DESCRIPTION          |
|     |     | 6018316  | Ram Arm Group ♦      |
| 1   | 1   | 6018311  | Arm – LH             |
| 2   | 1   | 6018312  | Arm – RH             |
| 3   | 24  | 607105   | Capscrew, .75 x 2.00 |
| 4   | 4   | 317628   | Arm Bars             |

♦ Includes items 1-3.

# Bolt-On Mounting Group



| Class II |     |          |                              |
|----------|-----|----------|------------------------------|
| REF      | QTY | PART NO. | DESCRIPTION                  |
|          |     | 678934   | Lower Hook Group             |
| 1        | 2   | 675968   | Lower Hook                   |
| 2        | 4   | 667225   | Washer, 5/8 in. ID           |
| 3        | 4   | 667369   | Capscrew, 5/8 NC x 1.25 GR 5 |

Reference: S-3197.

[illegible]

**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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