



# Parts Manual

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Model Multi-Purpose Clamp

Serial Number 25D-MCS-11AR0

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

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

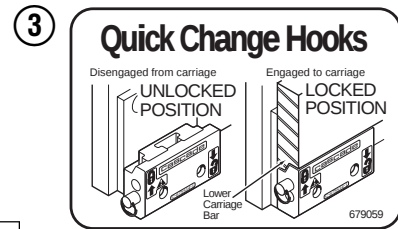
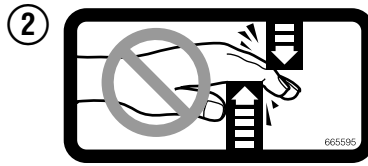
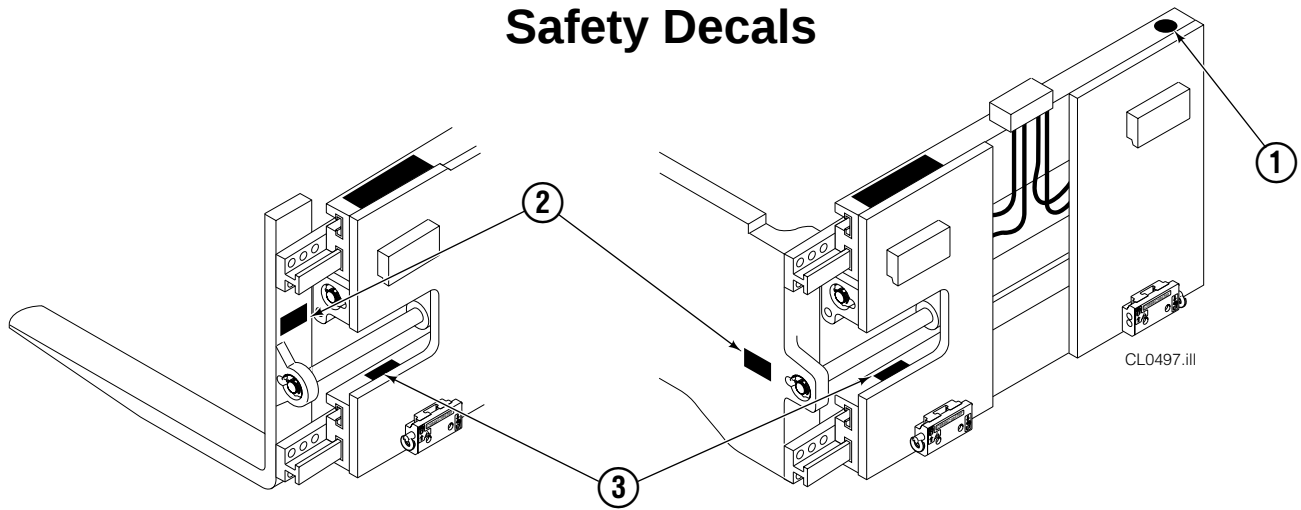
**To Order Parts call:** 888-227-2233, Fax: 888-329-0234

**OR**

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

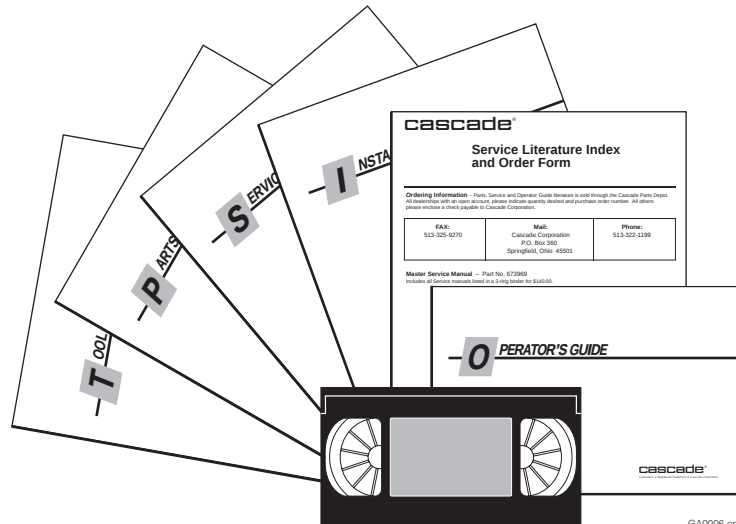
**Internet:** [www.cascorp.com](http://www.cascorp.com)

## Safety Decals



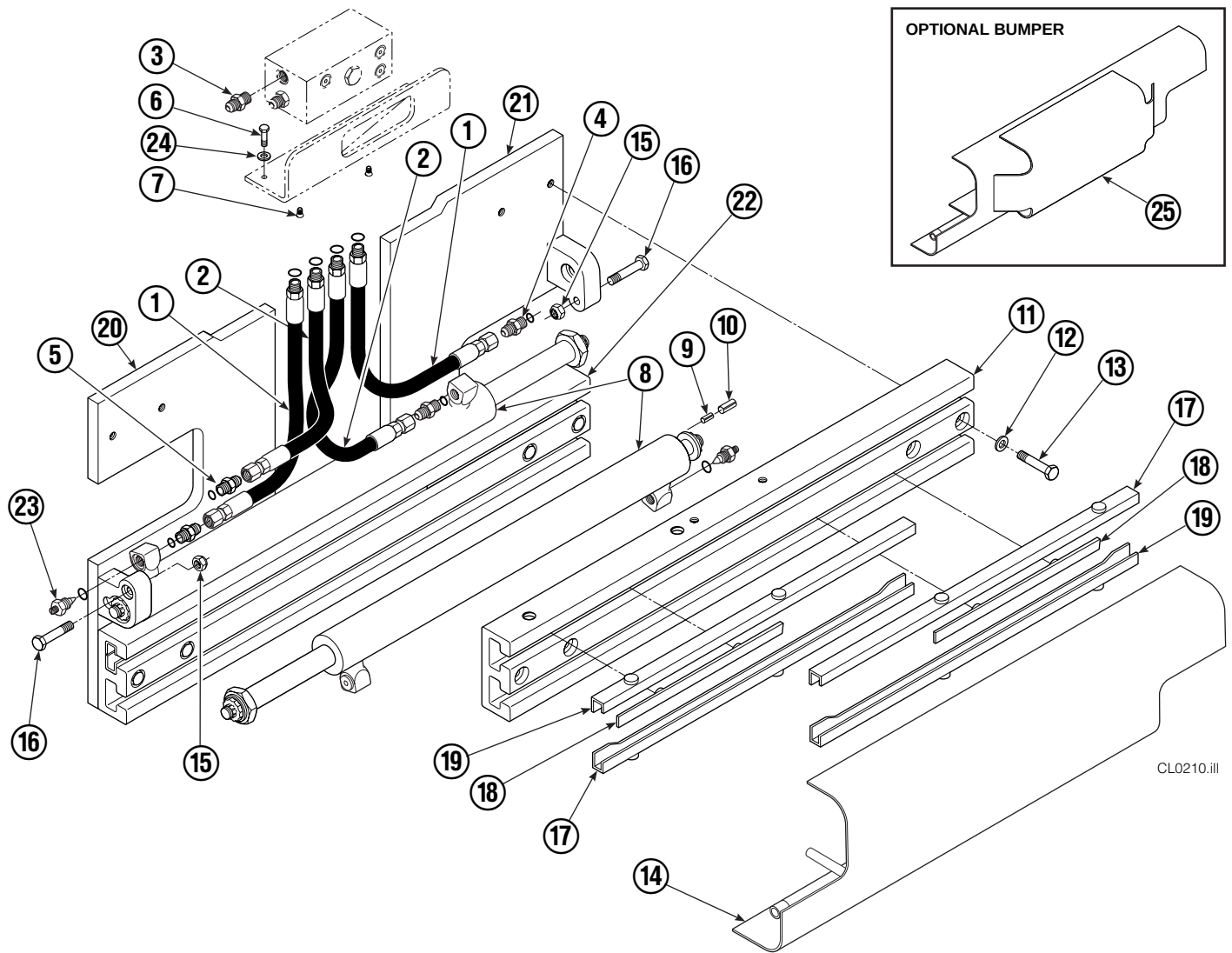
| REF | QTY | PART NO. | DESCRIPTION             |
|-----|-----|----------|-------------------------|
| 1   | 1   | 679150   | No Step Decal           |
| 2   | 2   | 665595   | No Hand Hold Decal      |
| 3   | 1   | 679059   | Quick Change Hook Decal |

## 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



CL0210.iii

| 25D |     |          |                        |     |     |          |                         |
|-----|-----|----------|------------------------|-----|-----|----------|-------------------------|
| REF | QTY | PART NO. | DESCRIPTION            | REF | QTY | PART NO. | DESCRIPTION             |
|     |     | 681352   | Base Unit Group        | 13  | 8   | 668010   | Capscrew                |
| 1   | 2   | 210442   | Hose, 21.00 in.        | 14  | 1   | 669009   | Bumper                  |
| 2   | 2   | 210437   | Hose, 17.25 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   | 2   | 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   | 680622   | Mounting Plate - RH     |
| 8   | 2   | 553800   | Cylinder ▲             | 21  | 1   | 680621   | Mounting Plate - LH     |
| 9   | 2   | 7861     | Roll Pin - Inner       | 22  | 1   | 674226   | Frame - Lower           |
| 10  | 2   | 7962     | Roll Pin - Outer       | 23  | 2   | 667609   | Restrictor Cartridge ●  |
| 11  | 1   | 668008   | Frame - Upper          | 24  | 2   | 6230     | Washer                  |
| 12  | 8   | 667910   | Washer                 | 25  | 1   | 671517   | Optional Bumper         |

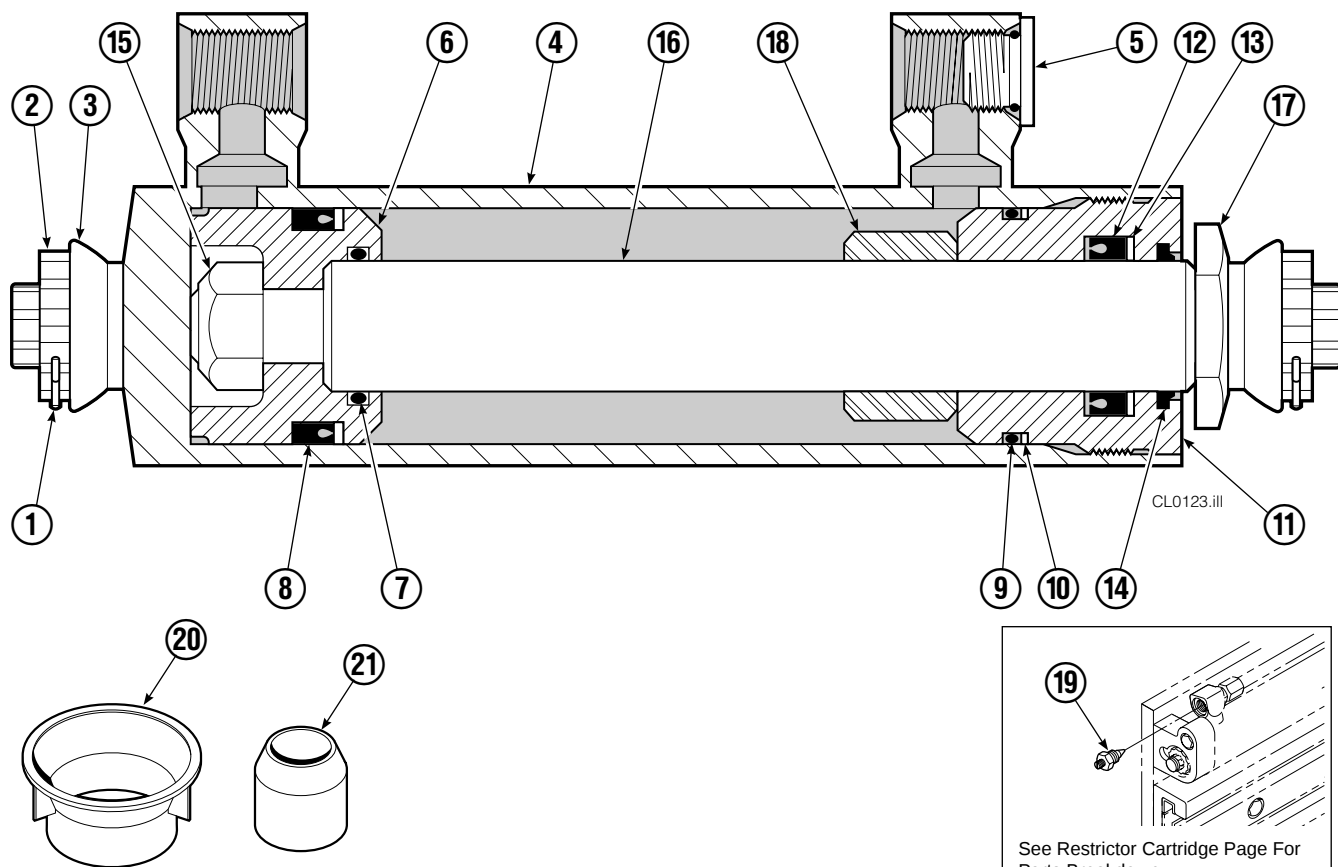
▲ See Cylinder page for parts breakdown.

● Not included in Base Unit Group.

See Restrictor Cartridge page for parts breakdown.

Reference: SK-5318, Base Group 681351.

# Cylinder



| 25D |     |          |                         |
|-----|-----|----------|-------------------------|
| REF | QTY | PART NO. | DESCRIPTION             |
|     |     | 553800   | Cylinder Assembly       |
| 1   | 2   | 6510     | ■ Cotter Pin            |
| 2   | 2   | 667624   | ■ Nut Retainer          |
| 3   | 2   | 667625   | ■ Nut                   |
| 4   | 1   | 553833   | Shell                   |
| 5   | 1   | 602580   | Fitting                 |
| 6   | 1   | 558200   | Piston                  |
| 7   | 1   | 2716     | ▲ O-Ring                |
| 8   | 1   | 662452   | ▲ Seal                  |
| 9   | 1   | 2785     | ▲ O-Ring                |
| 10  | 1   | 615128   | ▲ Back-Up Ring          |
| 11  | 1   | 563906   | Retainer                |
| 12  | 1   | 662448   | ▲ Seal                  |
| 13  | 1   | 638243   | ▲ Nylon Ring            |
| 14  | 1   | 636853   | ▲ Wiper                 |
| 15  | 1   | 667623   | Nut                     |
| 16  | 1   | 553834   | Rod                     |
| 17  | 1   | 667626   | Washer                  |
| 18  | 1   | —        | Spacer                  |
| 19  | 1   | 667609   | Restrictor Cartridge ●  |
| 20  | 1   | 671047   | ▲ Seal Loader, Piston   |
| 21  | 1   | 671051   | ▲ Seal Loader, Retainer |
|     |     | 668021   | Service Kit             |

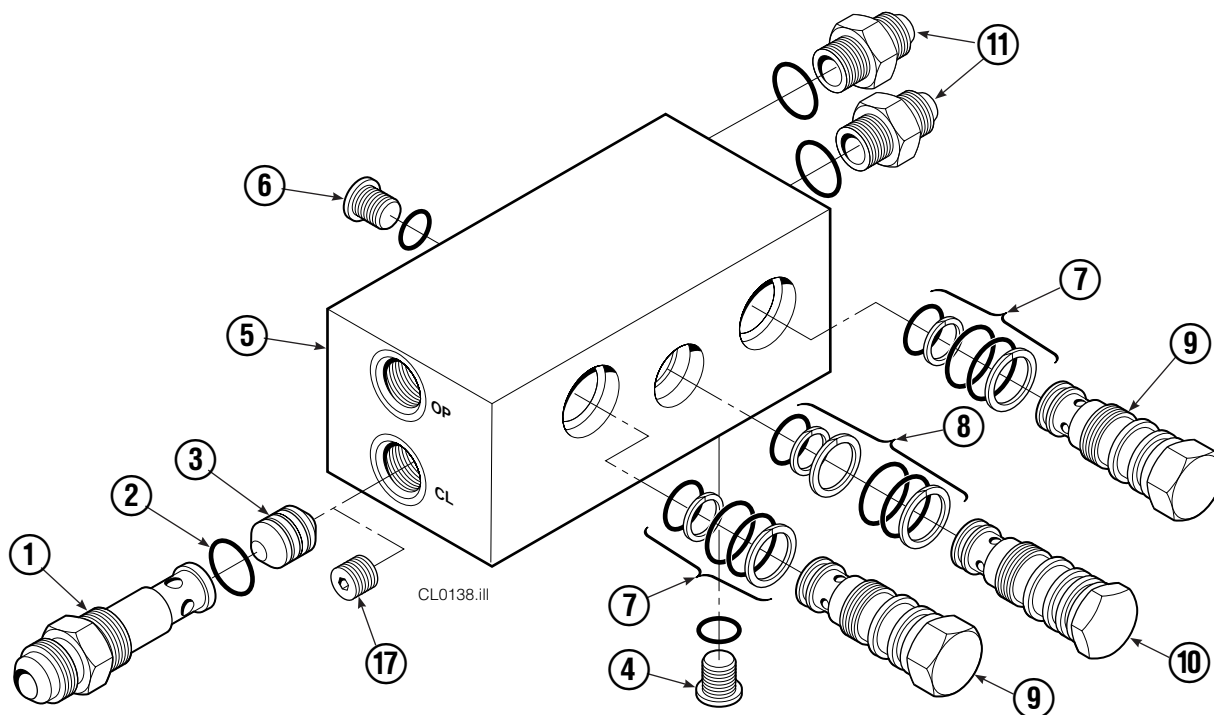
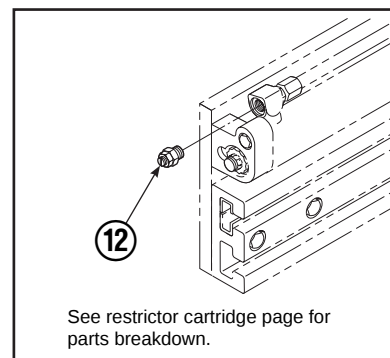
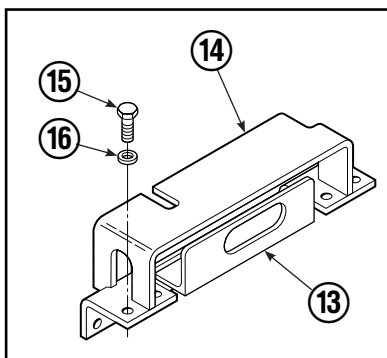
▲ Included in Service Kit 668021.

■ Included in Nut Service Kit 668926.

● Not included in Cylinder Assembly.

Reference: S-7605, S-7658

# Valve Group Sideshift



| REF | QTY | PART NO. | DESCRIPTION               | REF | QTY | PART NO. | DESCRIPTION                     |
|-----|-----|----------|---------------------------|-----|-----|----------|---------------------------------|
|     |     | 668915   | Valve Group – Sideshift   | 10  | 1   | 678270   | Check Valve – VPO               |
|     |     | 668865   | Check Valve – Sideshift ▲ | 11  | 2   | 604511   | Fitting, 6-6                    |
| 1   | 1   | 667490   | Special Fitting           | 12  | 2   | 667609   | Restrictor Cartridge            |
| 2   | 1   | 2841     | O-Ring ●                  | 13  | 1   | 669999   | Bracket                         |
| 3   | 1   | 667471   | Spool                     | 14  | 1   | 670002   | Guard – 25D/35D                 |
| 4   | 3   | 609455   | Fitting, 5                | 14  | 1   | 670000   | Guard – 50D                     |
| 5   | 1   | 668866   | Valve Body                | 14  | 1   | 200812   | Guard – 40D                     |
| 6   | 1   | 604510   | Fitting, 6                | 15  | 4   | 677828   | Capscrew, 1/2 NC x 1.00         |
| 7   | 2   | 667516   | Service Kit ●             | 16  | 4   | 667910   | Washer                          |
| 8   | 1   | 661347   | Service Kit ●             | 17  | 1   | 676343   | Regeneration Elimination Plug ■ |
| 9   | 2   | 659058   | Check Valve – PO          |     |     | 668868   | Service Kit                     |

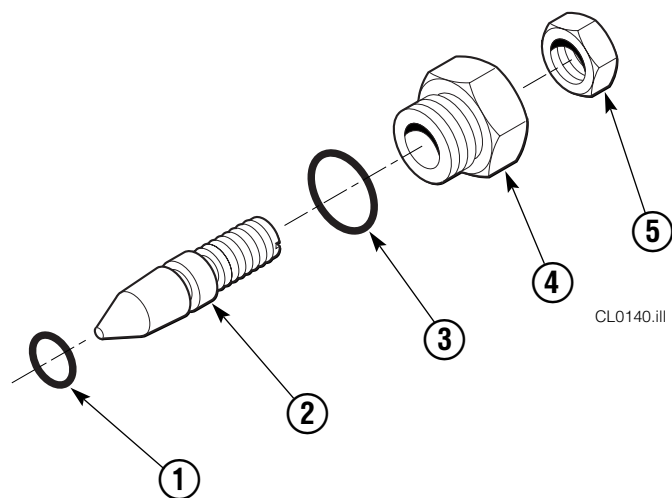
▲ Includes items 1– 10 only.

● Included in Service Kit 668868.

■ For eliminating regeneration circuit only. See Tech. Bulletin 121.

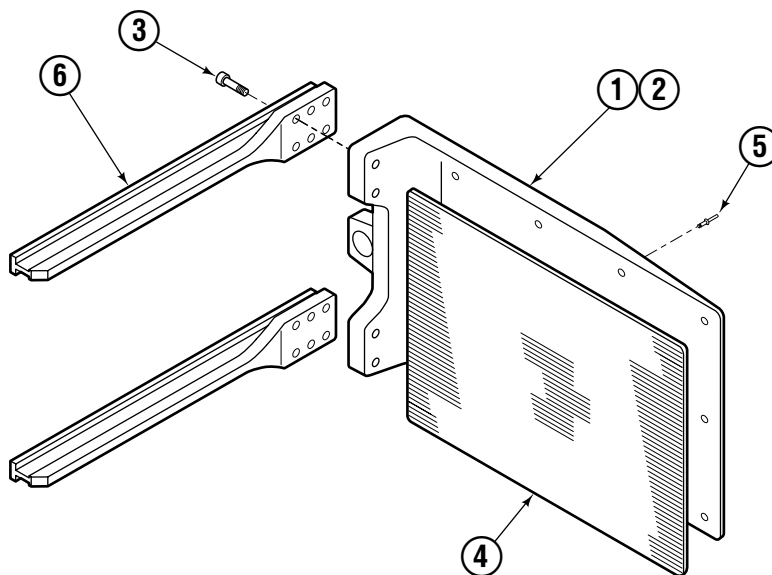
Reference: SK-5302, Valve Guard Groups 670005, 670006.

# 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              |

# Multi-Purpose/Rigid Arms



CL1599.ill

## ARM CAPSCREW EXTENSION TOOL

Required for proper torquing of capscrews



25D

668020

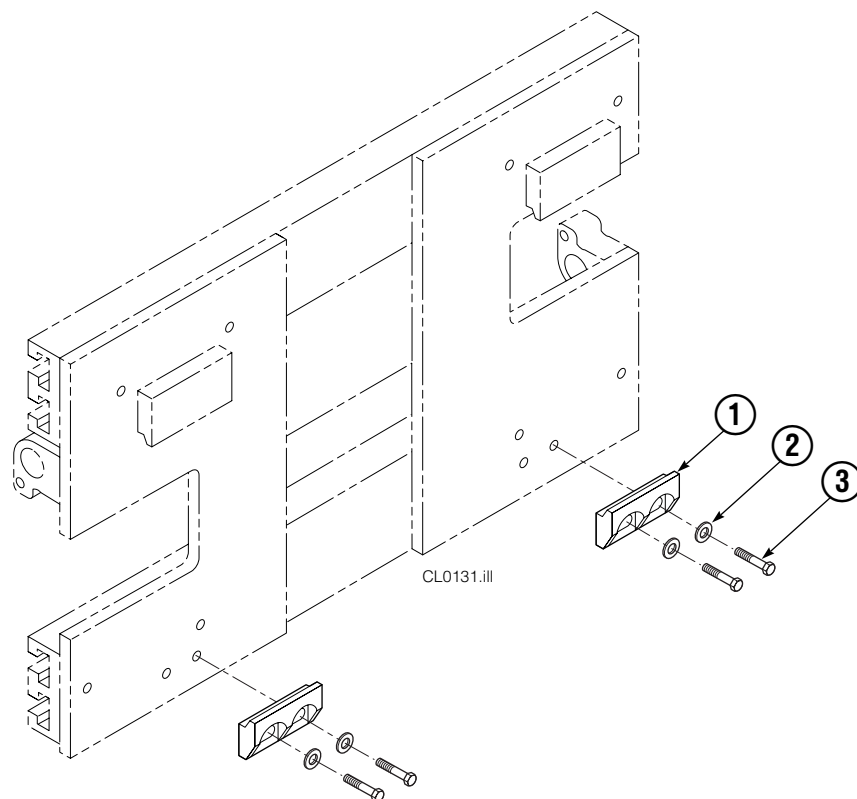
## 25D

| REF | QTY | PART NO. | DESCRIPTION                |
|-----|-----|----------|----------------------------|
|     |     | 680548   | Bale Arm Assembly – L.H. ● |
|     |     | 680549   | Bale Arm Assembly – R.H. ▲ |
| 1   | 1   | 680525   | Bale Arm – L.H             |
| 2   | 1   | 680533   | Bale Arm – R.H.            |
| 3   | 12  | 607085   | Capscrew                   |
| 4   | 1   | 667877   | Contact Pad                |
| 5   | 12  | 667843   | Rivet                      |
| 6   | 4   | 671693   | Arm Bar                    |

● Includes items 1 & 3–5 only.

▲ Includes items 2–5 only.

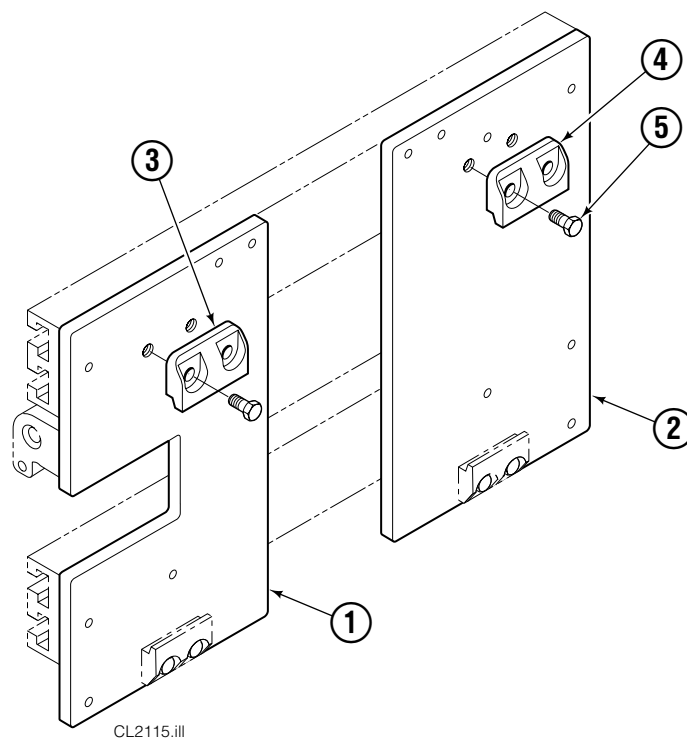
# Bolt-On Mounting Group



| 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.

# Mounting Plates with Bolt-On Upper Hooks



| REF | QTY | PART NO. | DESCRIPTION                  |
|-----|-----|----------|------------------------------|
| 1   | 1   | 680621   | Mounting Plate Assembly-LH ● |
| 2   | 1   | 680622   | Mounting Plate Assembly-RH ■ |
| 3   | 1   | 6002330  | Upper Hook-LH                |
| 4   | 1   | 210491   | Upper Hook-RH                |
| 5   | 4   | 768577   | Capscrew, M20 x 35           |

● Includes items 3 and 5.

■ Includes items 4 and 5.

**Do you have questions you need answered right now?** Call your nearest Cascade Parts Department.

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