



# Parts Manual

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Model \_\_\_\_\_ Turnaload™ \_\_\_\_\_

Catalog Number \_\_\_\_\_ 70D41762 \_\_\_\_\_

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**cascade**®  
**corporation**

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

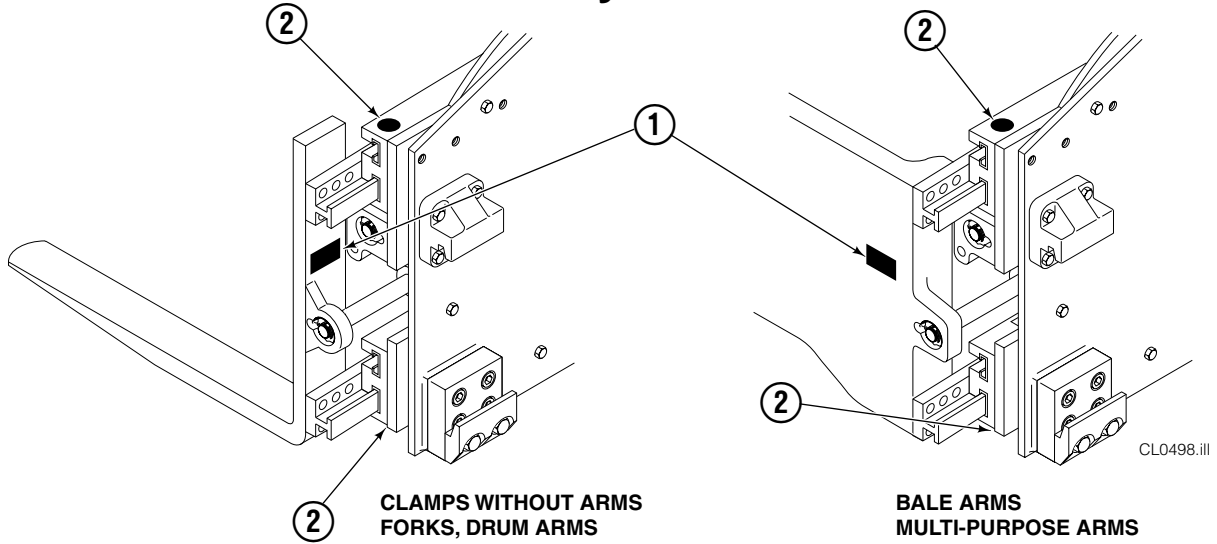
**To Order Parts call:** 888-227-2233, Fax: 888-329-0234

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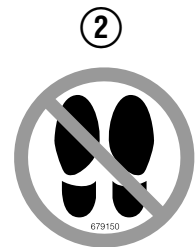
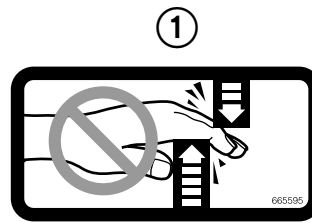
**Write:** Cascade Corporation, P.O. Box 20187, Portland, OR 97220

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

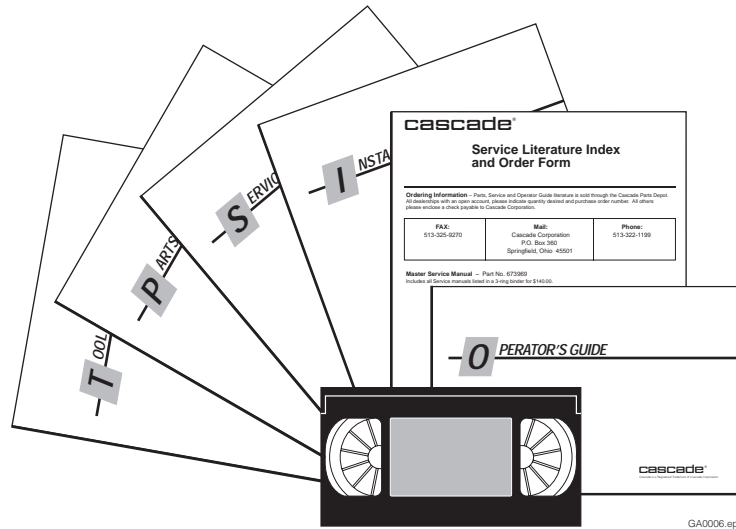
# Safety Decals



REF	QTY	PART NO.	DESCRIPTION
1	2	665595	No Hand Hold Decal
2	2	679150	No Step Decal

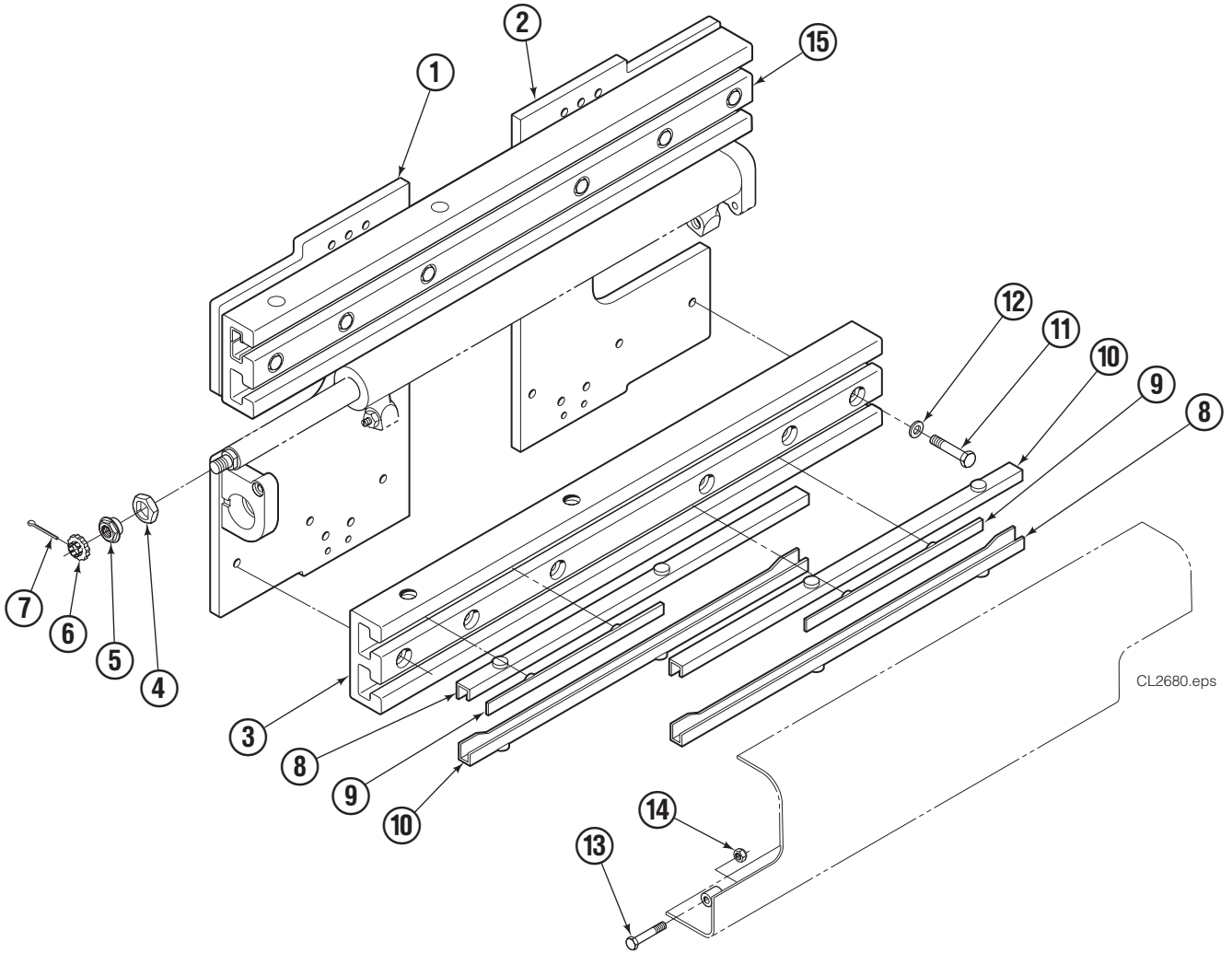


# Publications



PART NO.	DESCRIPTION
672362	Service Manual
672903	Operators Guide
672361	Installation Instructions
680664	Servicing Cascade Cylinders-VHS
679929	Tool Catalog
673964	Literature Index Order Form

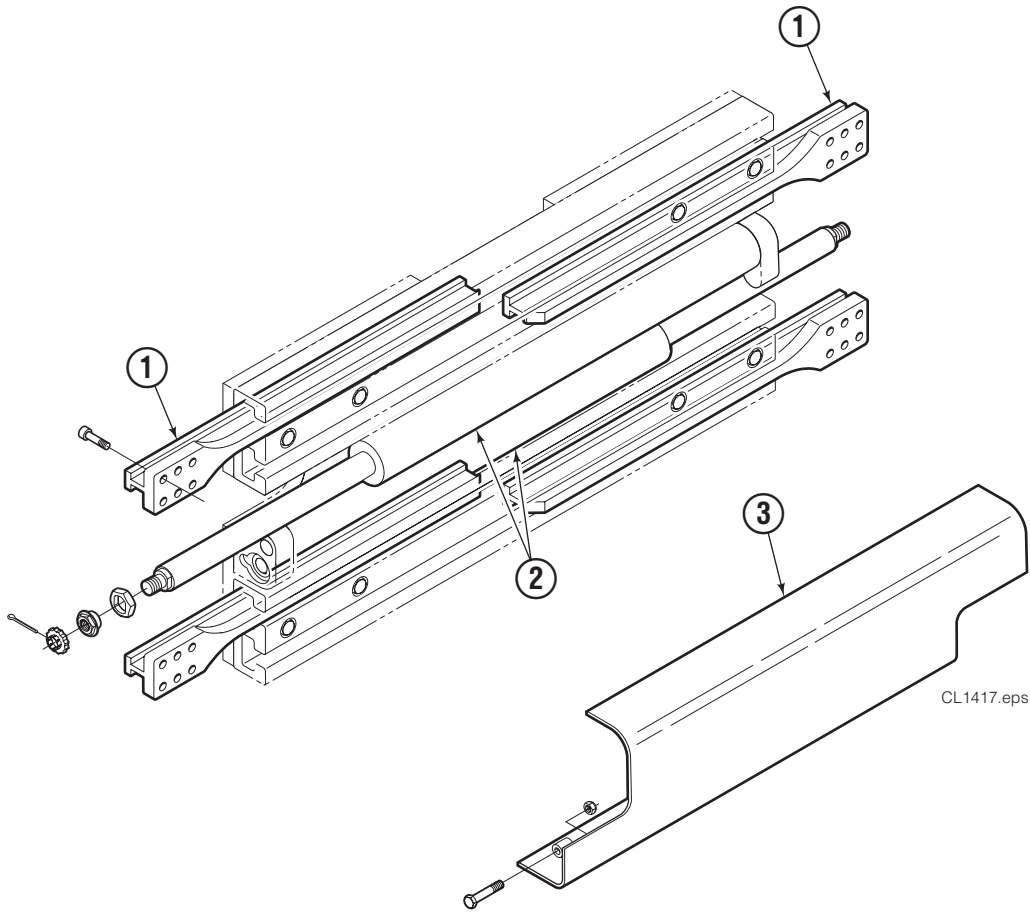
# Base Unit Group



70D			
REF	QTY	PART NO.	DESCRIPTION
		6110024	Base Unit Group
1	1	682458	Mounting Plate – RH
2	1	682454	Mounting Plate – LH
3	1	676517	Frame – Lower
4	2	676108	Hex Washer
5	4	676109	Spherical Nut
6	4	676110	Locking Cap
7	4	6513	Cotter Pin
8	4	676105	Bearing
9	4	667663	Bearing
10	4	676104	Bearing
11	8	676793	Capscrew, M20 x 100
12	8	670692	Washer, M20
13	2	768560	Capscrew, M12 x 80
14	2	773842	Self-Locking Nut
15	1	676517	Frame – Upper

Reference: Common Parts 220255, S-3337, S-3338, SK-5368.

# Arm/Cylinder Group

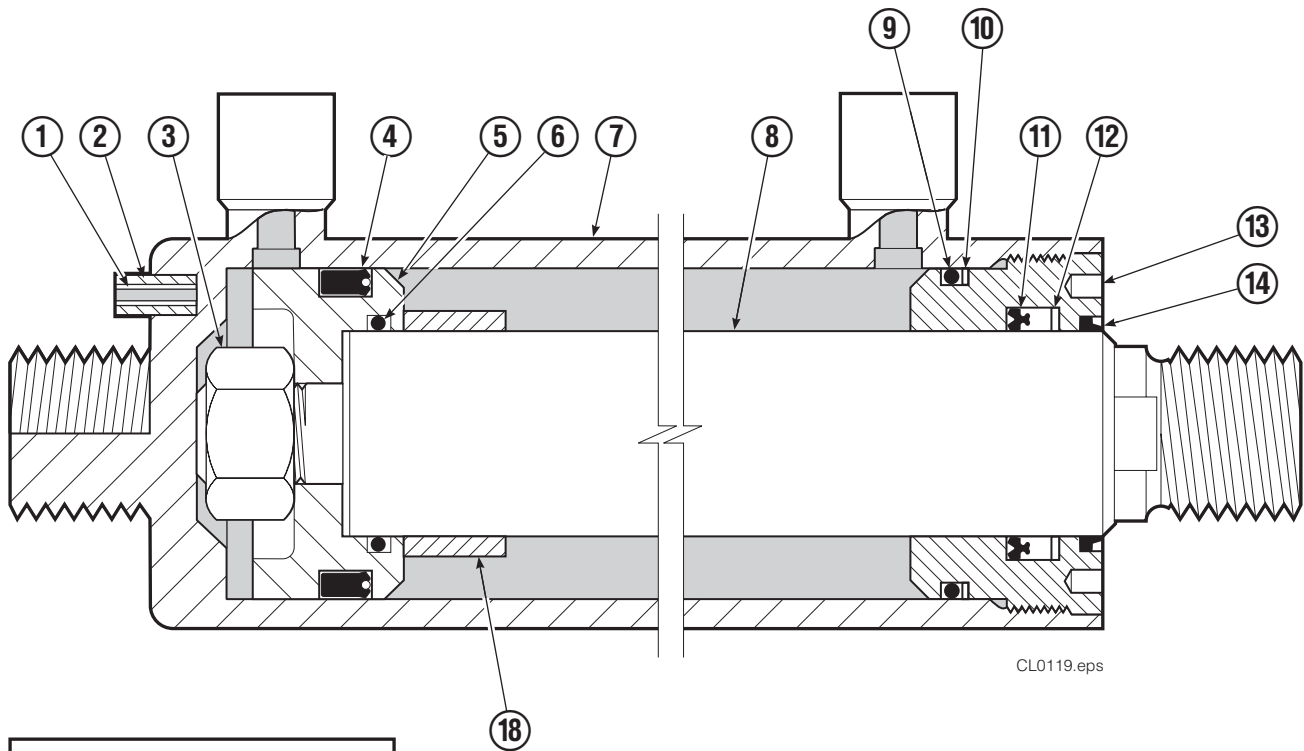


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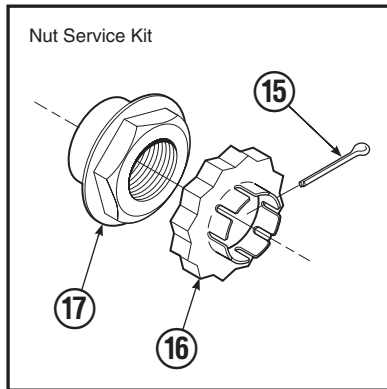
70D			
REF	QTY	PART NO.	DESCRIPTION
		6140869	Arm/Cylinder Group
1	4	343927	Arm Bar
2	2	387738	Cylinder ♦
3	1	343222	Bumper

♦ See Cylinder page for parts breakdown.

# Cylinder Assembly



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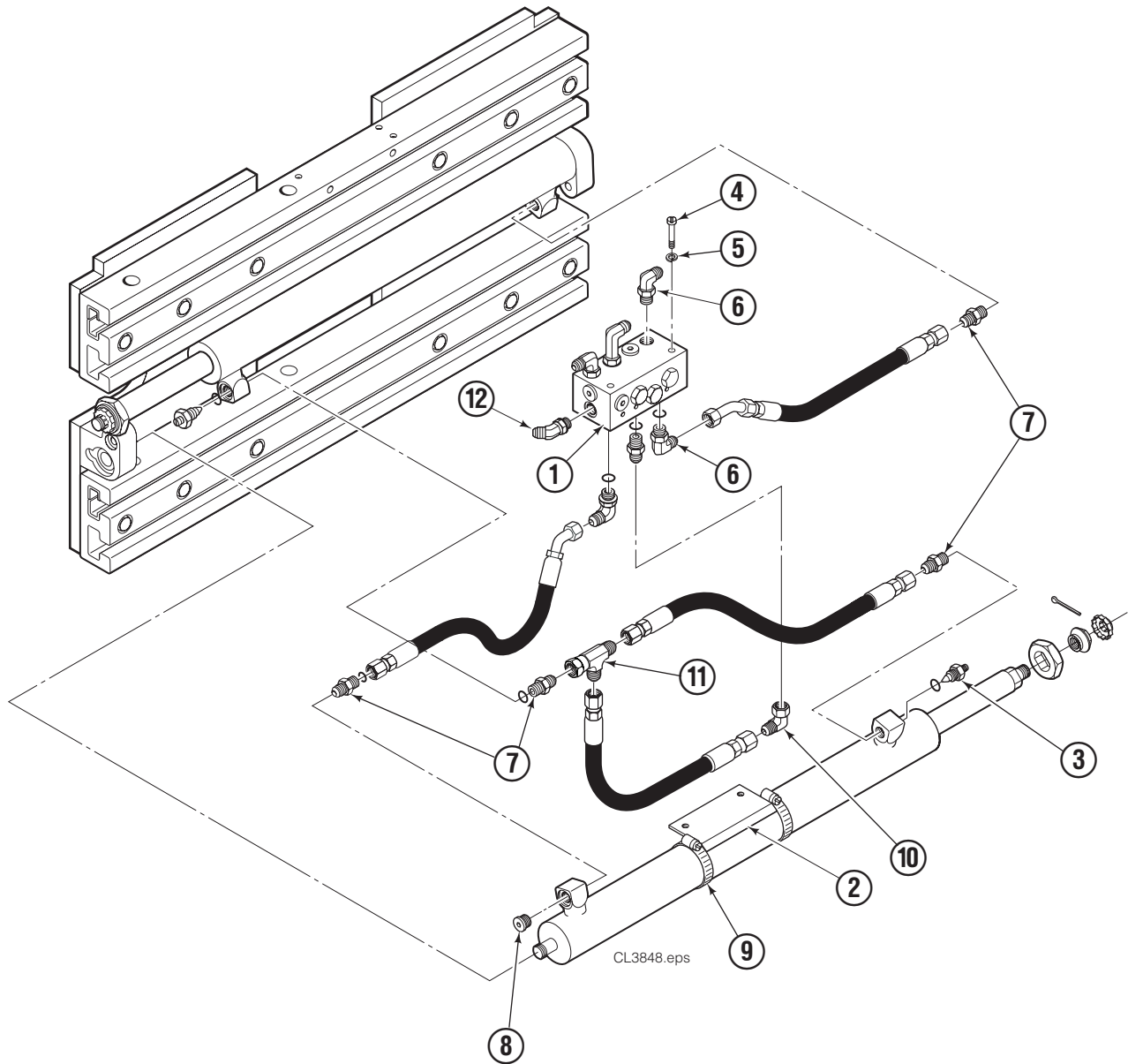
70D			
REF	QTY	PART NO.	DESCRIPTION
		387738	Cylinder Assembly
1	1	7882	Roll Pin
2	1	7964	Roll Pin
3	1	560997	Nut
4	1	662459	◆ Seal
5	1	558405	Piston
6	1	2787	◆ O-Ring
7	1	565096	Shell
8	1	565097	Rod
9	1	209589	◆ O-Ring
10	1	229646	◆ Back-Up Ring
11	1	553520	◆ Seal
12	1	636701	◆ Back-Up Ring
13	1	556432	Retainer
14	1	624572	◆ Wiper
15	1	6513	■ Cotter Pin
16	1	676110	■ Retainer
17	1	676109	■ Nut
18	1	—	Spacer
		556486	Service Kit

◆ Included in Service Kit 556486.

■ Included in Nut Service Kit 678036. Not included in Cylinder Assembly.

Reference: S-5259, S-5260.

# Hydraulic Group Sideshift

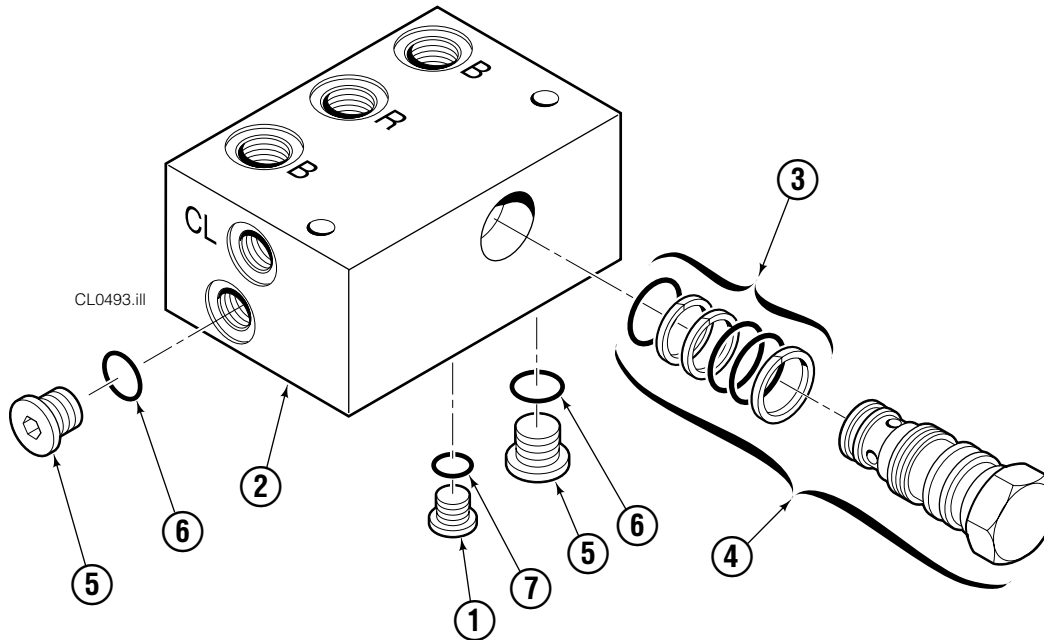


70D							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		220007	Hydraulic Group	7	5	601377	Fitting, 8-8
1	1	676778	Valve Assembly ◆	8	2	602580	Plug
2	1	676115	Bracket	9	4	644588	Clamp
3	2	667609	Restrictor Fitting ■	10	1	605761	Fitting, 8-8
4	2	768529	Capscrew, M8 x 60	11	1	611330	Fitting, 8-8
5	2	6287	Lockwasher	12	1	611303	Fitting, 8-8
6	3	601250	Fitting, 8-8				

- ◆ See Valve Assembly page for parts breakdown.
- See Restrictor Fitting page for parts breakdown.

Reference: Common Parts 220004, SK-5368-R5.

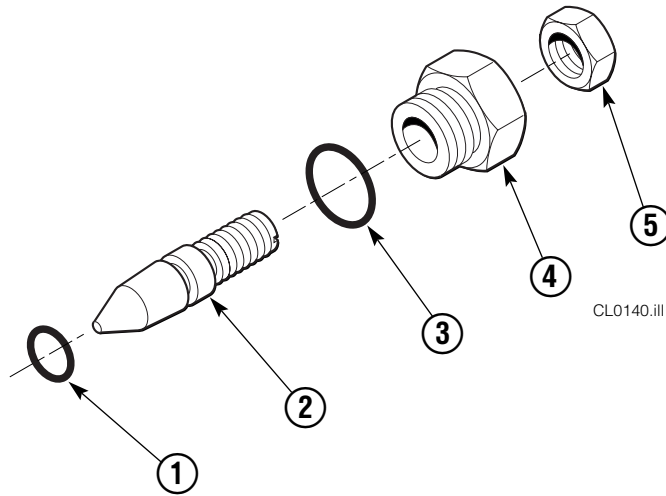
# Valve Group Non-Sideshift



REF	QTY	PART NO.	DESCRIPTION
		676778	Valve Assembly
1	1	604510	Fitting, 6
2	1	676780	Valve Body
3	1	656223	Service Kit – Check Valve ▲
4	1	661816	Check Valve – PO
5	2	602580	Fitting, 8
6	2	2841	O-Ring ▲
7	1	2840	O-Ring ▲
		676169	Valve Service Kit

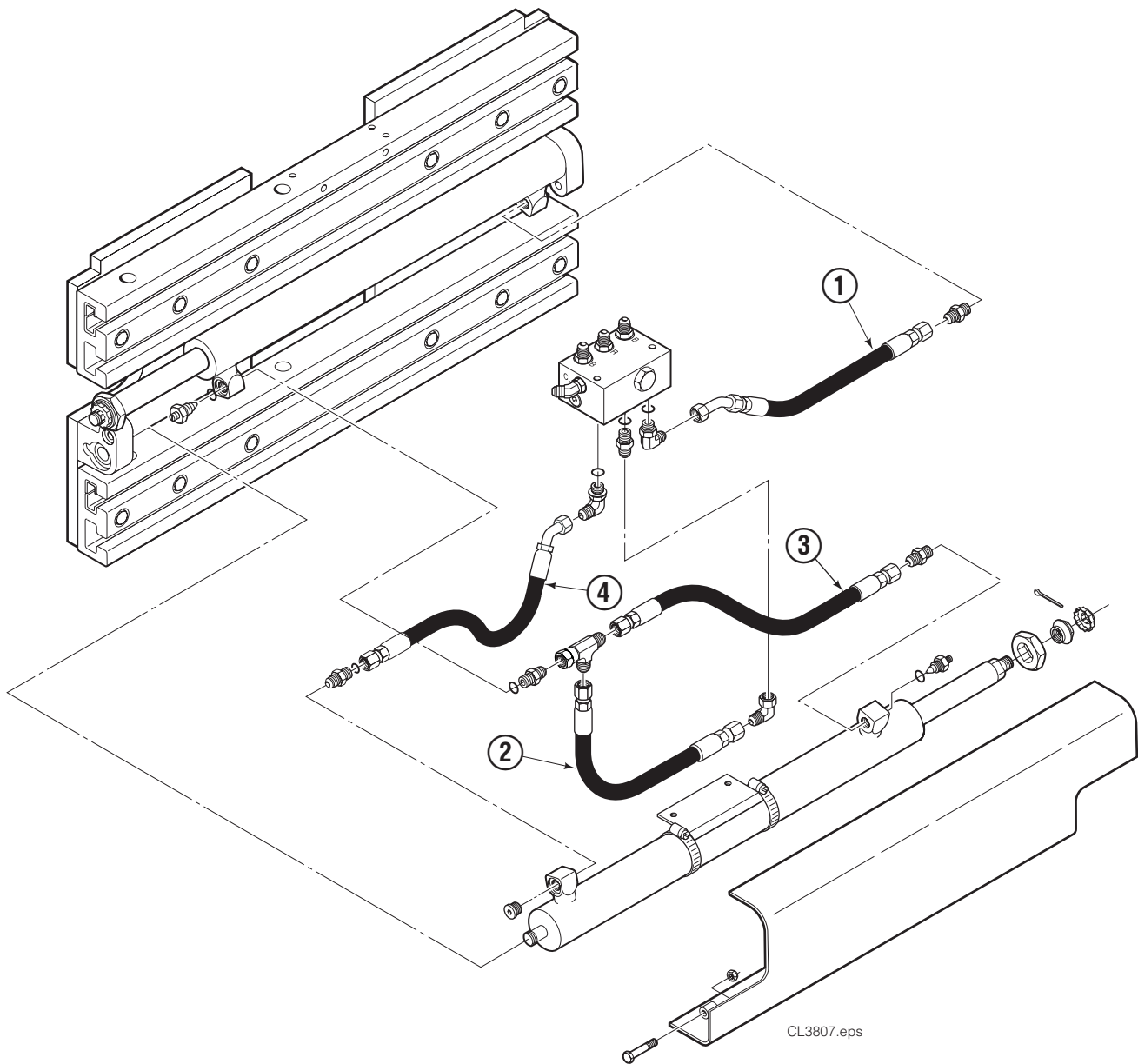
▲ Included in Service Kit 676169.

# Restrictor Cartridge



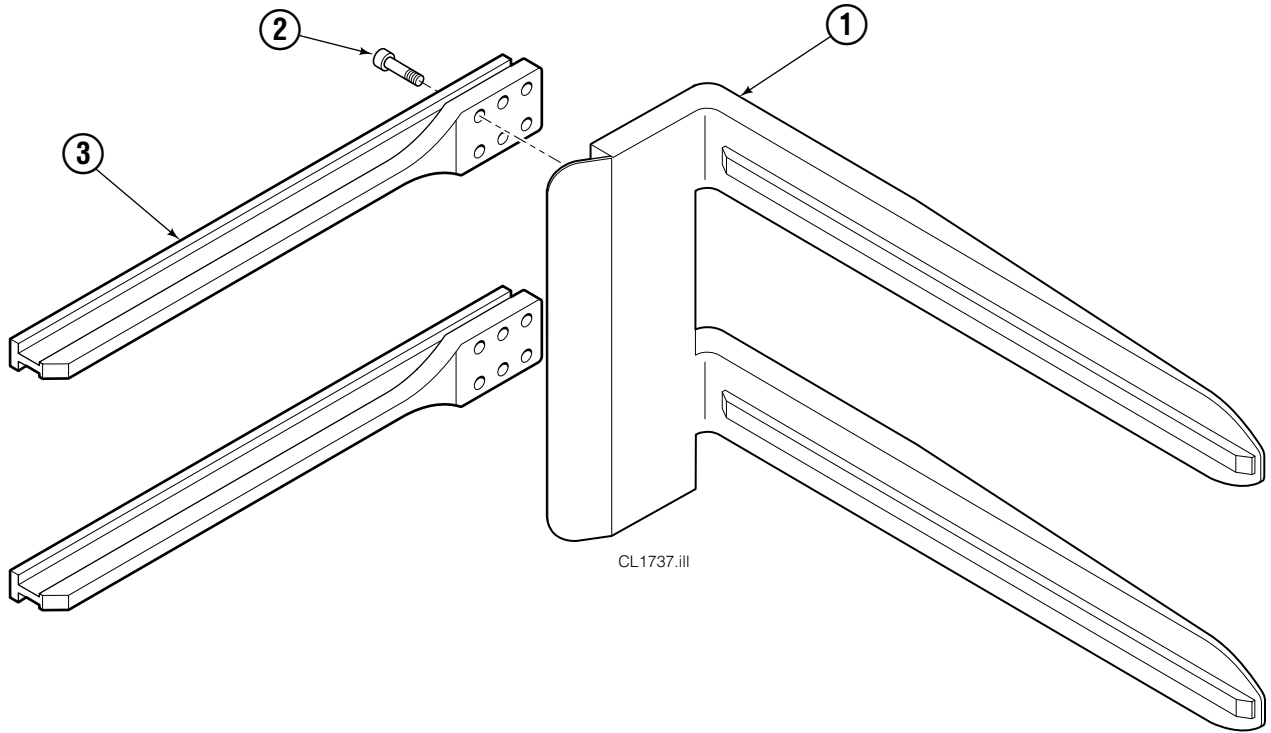
REF	QTY	PART NO.	DESCRIPTION
		667609	Restrictor Cartridge
1	1	2701	O-Ring
2	1	667611	Plunger
3	1	2841	O-Ring
4	1	667610	Plug - Special
5	1	5716	Jam Nut

# Hose Group



REF	QTY	PART NO.	DESCRIPTION
		61405870	Hose Group
1	1	680185	Hose, 24.50 in.
2	1	676113	Hose, 17.00 in.
3	1	680186	Hose, 24.50 in.
4	1	682868	Hose, 16.04 in.

# Turn-A-Load Arm Group

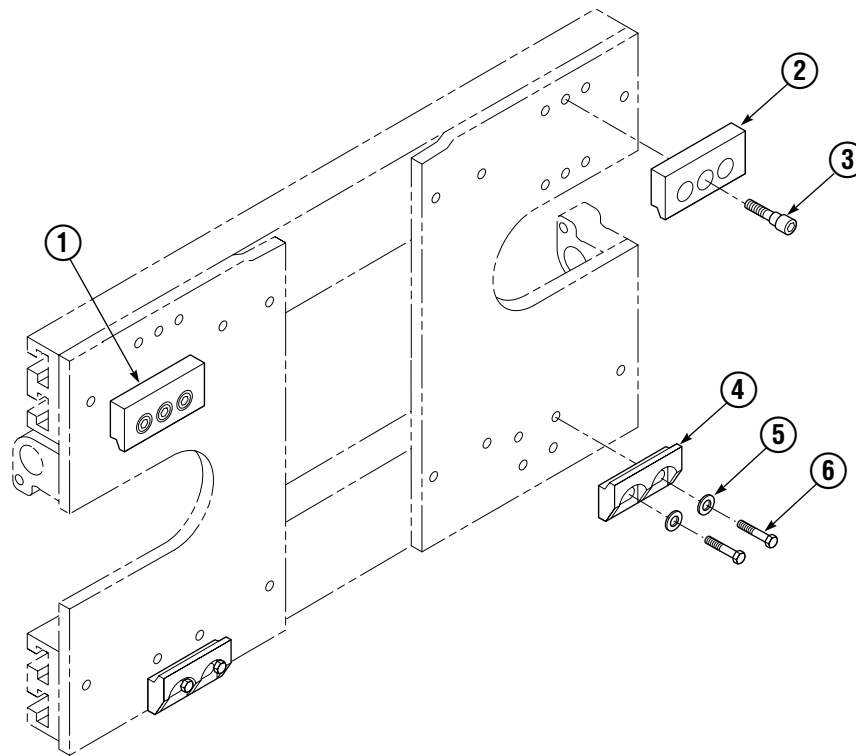


<b>ARM CAPSCREW EXTENSION TOOL</b> Required for proper torquing of capscrews		
	70D	676218

<b>70D</b>			
<b>REF</b>	<b>QTY</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
		3014883	Turn-a-load Group ▲
1	2	3014710	Turn-a-load Arm
2	24	676840	Capscrew, M24 x 65
3	4	345008	Arm Bar

▲ Includes items 1 and 2 only.  
Reference: Common Parts 397479.

# Bolt-On Mounting Group



CL0159.iii

## Class III

REF	QTY	PART NO.	DESCRIPTION
		676124	Mounting Group
1	1	676125	Upper Hook - LH
2	1	676126	Upper Hook - RH
3	6	676801	Capscrew, M20 x 50
4	2	675969	Lower Hook
5	4	667225	Washer, 5/8 in. ID
6	5	779009	Capscrew, M16 x 30

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