



Parts Manual

Model Carton Clamp

Serial Number 30E-CCS-145

cascade[®]

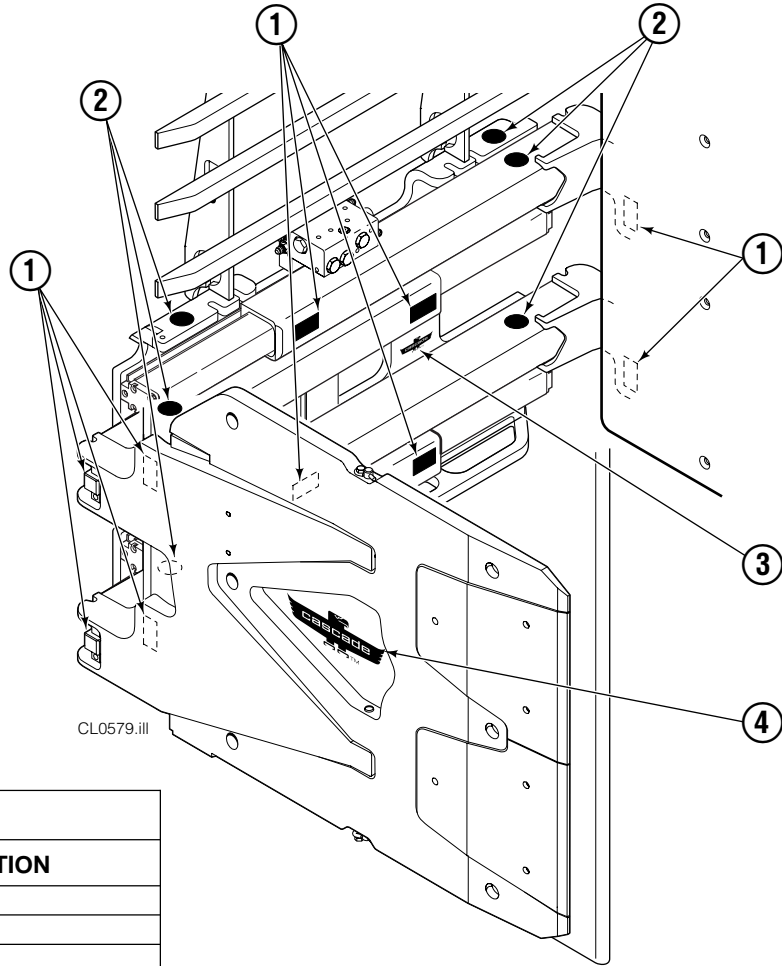
For Technical Assistance call: 800-227-2233, Fax: 888-329-8207

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

OR

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

Decals



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30E			
REF	QTY	PART NO.	DESCRIPTION
1	12	665595	No Hand Hold Decal
2	6	679150	No Step Decal
3	1	211274	Eagle - 80 mm
4	2	211276	Eagle - 240 mm

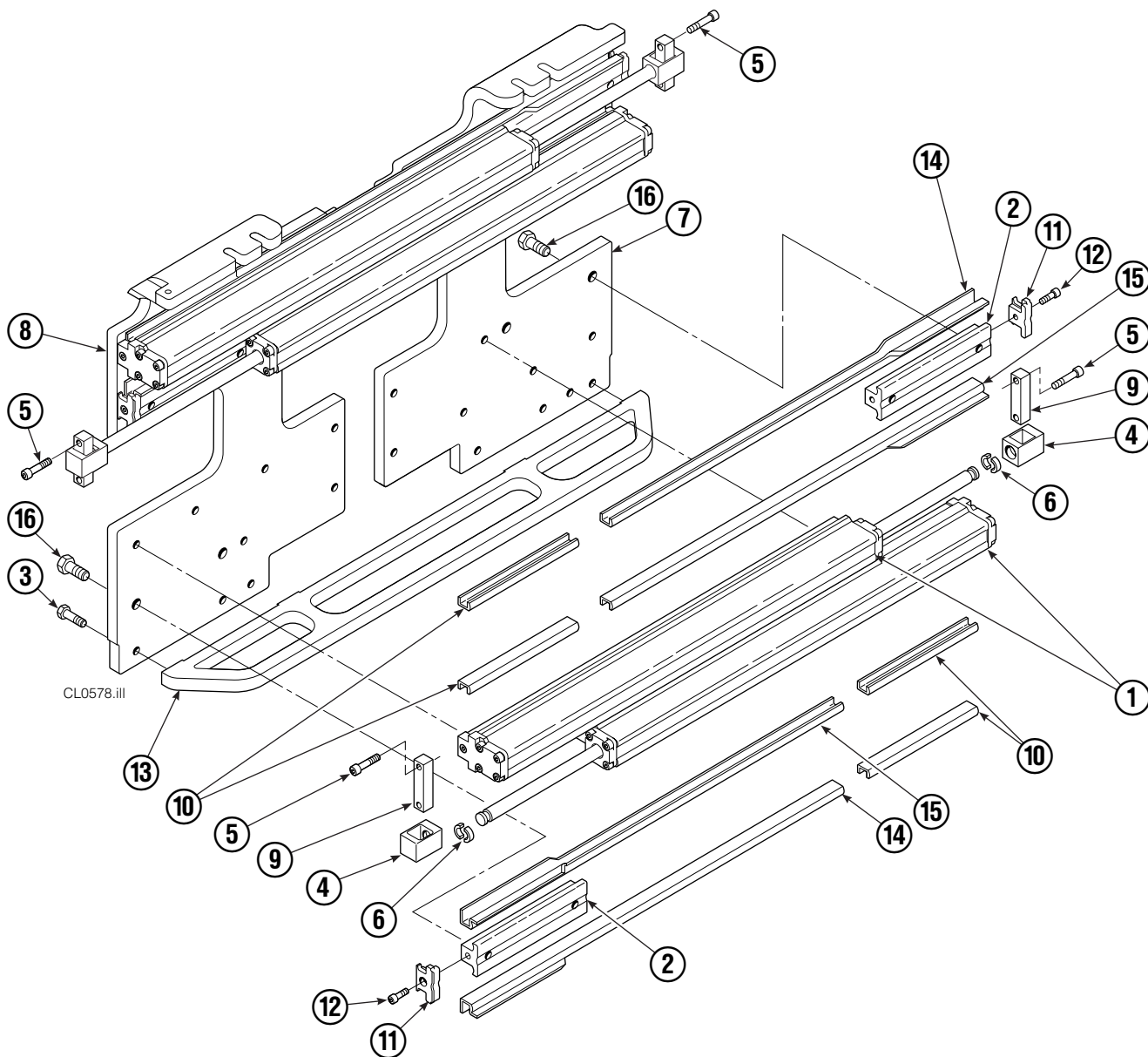
Publications



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30E	
PART NO.	DESCRIPTION
	Parts Manual
215204	Service Manual
210273	Operator's Guide
212116	Installation Instructions
679929	Tool Catalog
673964	Literature Index Order Form

Base Unit Group



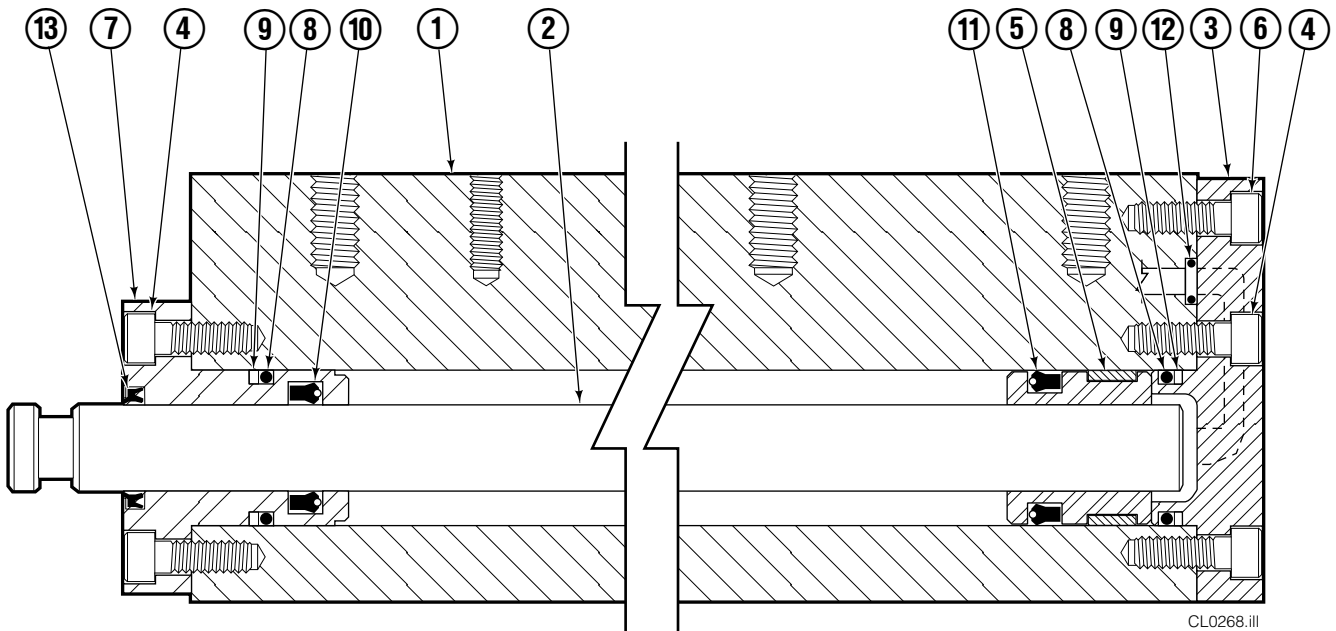
30E							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		217495	Base Unit Group	9	4	210489	Rod End Anchor ●
1	4	210117	Cylinder ▲	10	8	213735	Bearing Spacer
2	4	217001	T-Bar	11	4	210140	Bearing Retainer
3	28	211689	Capscrew, M12 x 30 GR 10.9	12	4	787375	Capscrew, M8 x 20
4	4	209741	Rod End ●	13	1	212500	Bumper
5	8	768303	Capscrew, M10 x 35 ●	14	4	209120	Bearing
6	8	210490	Retainer Half Ring ●	15	4	209119	Bearing
7	1	216997	Baseplate – LH	16	8	211128	Capscrew, M16 x 30 GR 10.9
8	1	216998	Baseplate – RH			213856	Service Kit

▲ See Cylinder page for parts breakdown.

● Included in Cylinder Rod Anchor Kit 213856.

Reference: SK-6089.

Cylinder



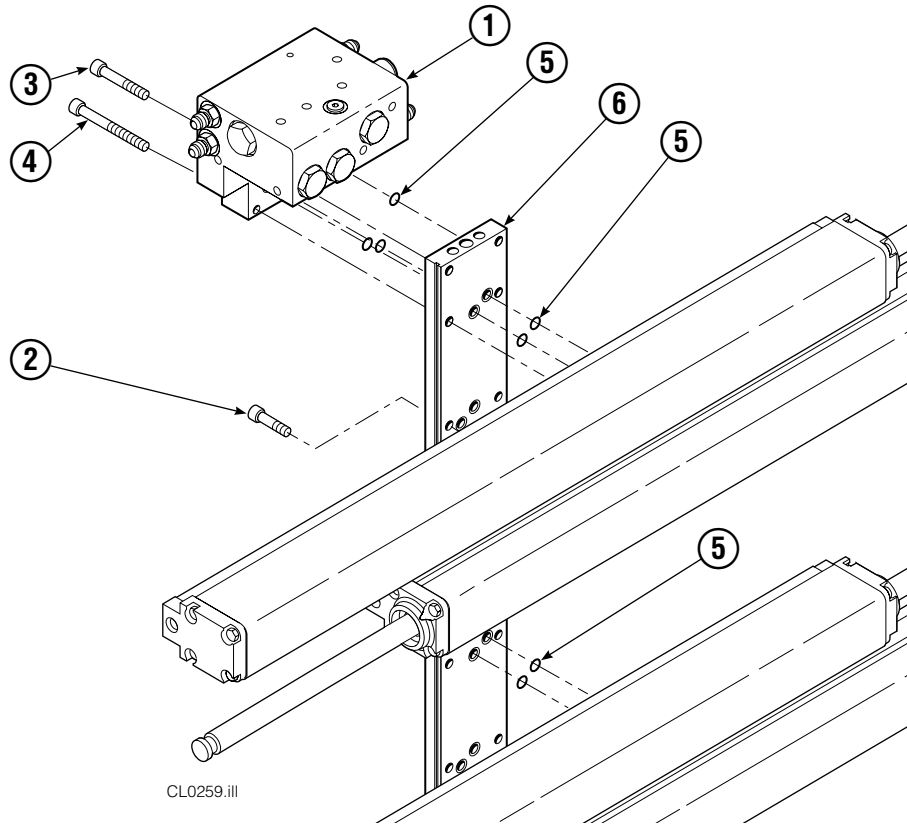
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33E							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		210117	Cylinder Assembly	8	2	210053	O-Ring ▲
1	1	210118	Cylinder/Shell	9	2	210050	Back-Up Ring ▲
2	1	4157-820	Rod	10	1	212477	Seal ▲
3	1	213783	Cap	11	1	209808	Seal ▲
4	8	768208	Capscrew, M8 x 25	12	2	214053	O-Ring ▲
5	1	209809	Bearing ▲	13	1	562131	Wiper ▲
6	1	787375	Capscrew, M8 x 20			210090	Service Kit
7	1	212452	Retainer				

▲ Included in Service Kit 210090.

Reference: S-4644, S-4643.

Hydraulic Group



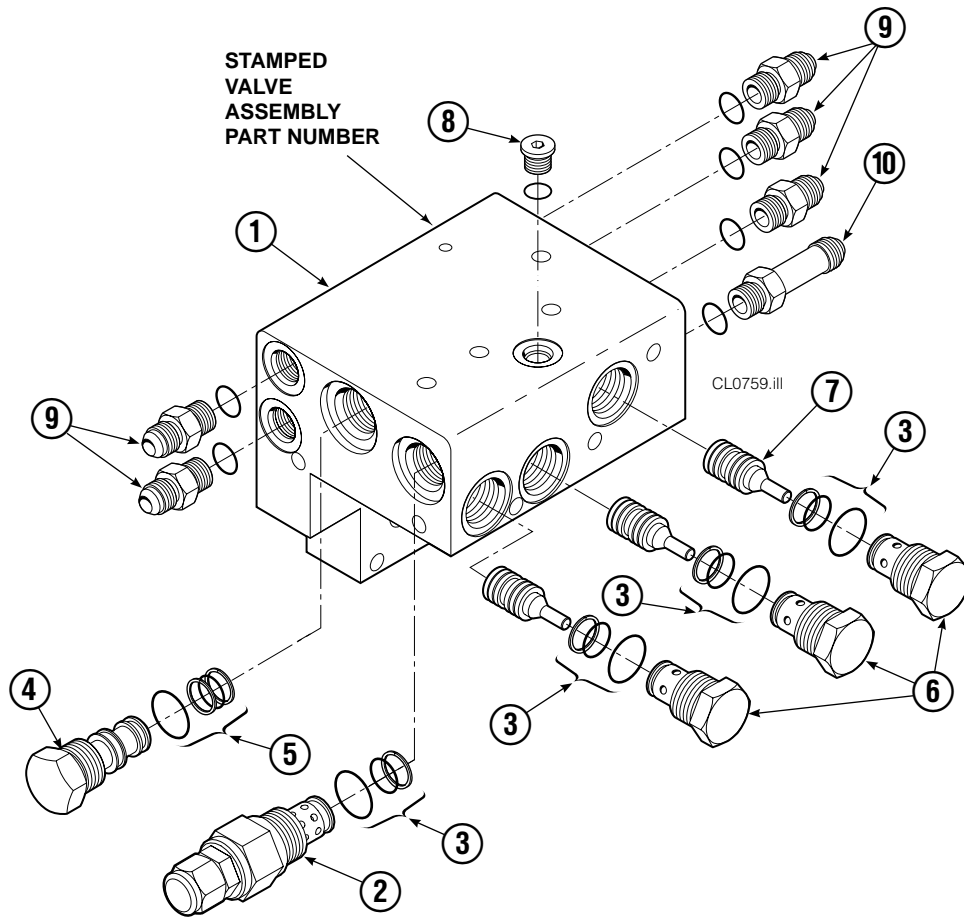
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30E			
REF	QTY	PART NUMBER	DESCRIPTION
		397326	Valve Group
		212983	Manifold Group
1	1	397275	Valve Assembly ▲
2	6	768208	Capscrew, M8 x 25
3	2	768797	Capscrew, M8 x 40
4	2	768800	Capscrew, M8 x 60
5	11	214053	O-Ring
6	1	212974	Manifold

▲ See Valve page for parts breakdown, part number

Valve

Sideshifting Without Regeneration

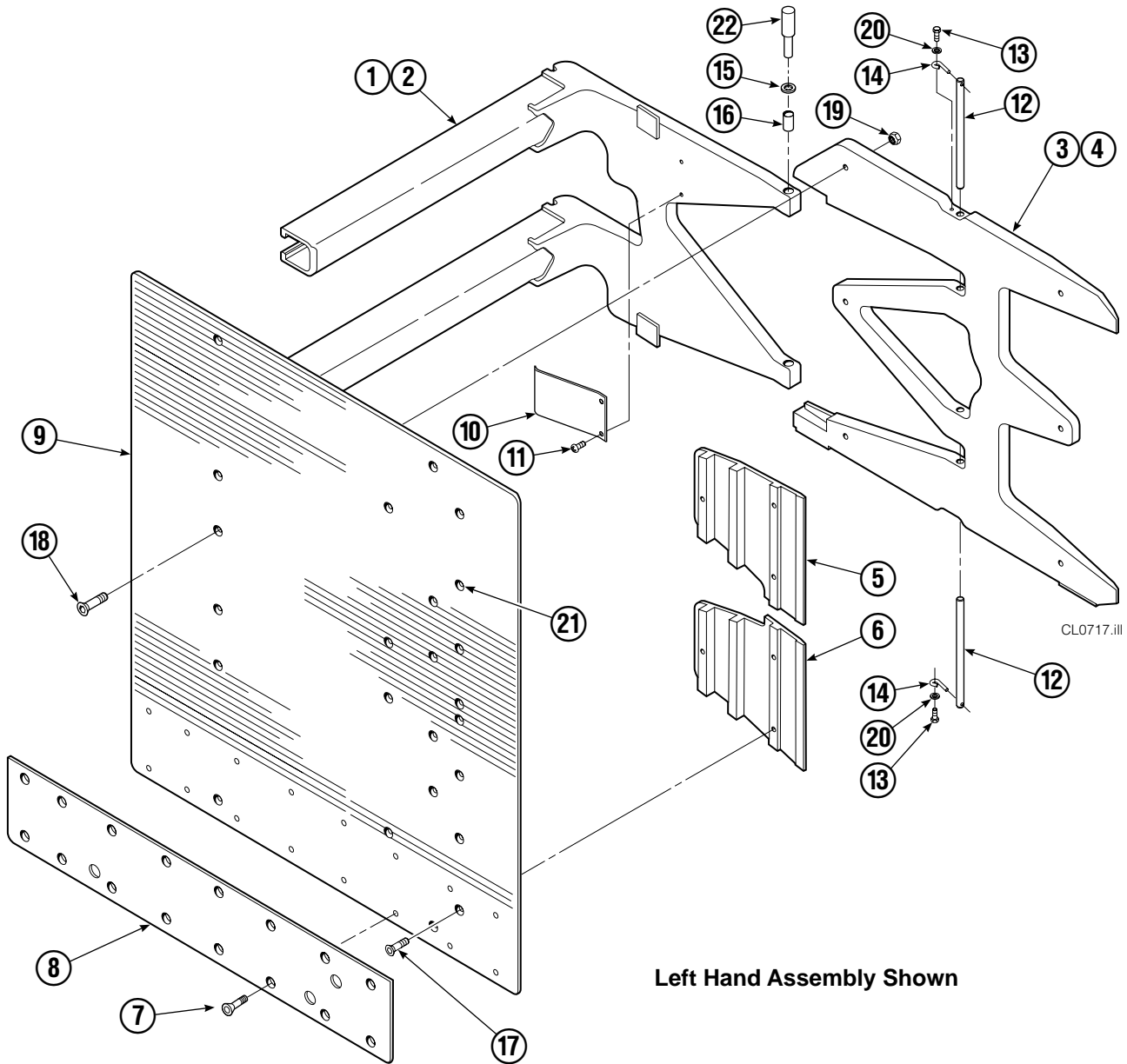


30E			
REF	QTY	PART NO.	DESCRIPTION
		397275	Valve Assembly
1	1	397274	Valve Body
2	1	214405	Crossover Relief Valve
3	4	682170	Seal Kit ▲
4	1	679988	Shuttle Valve
5	1	679991	Seal Kit ▲
6	3	6025134	Check Valve
7	3	215756	Piston
8	1	609234	Fitting, 4
9	5	604511	Fitting, 6-6 ●
10	1	605743	Fitting, 6-6 ●
		210452	Valve Service Kit

▲ Included in Valve Service Kit 397316.

● Included in Fitting Group 212978.

Arms and Pads



Left Hand Assembly Shown

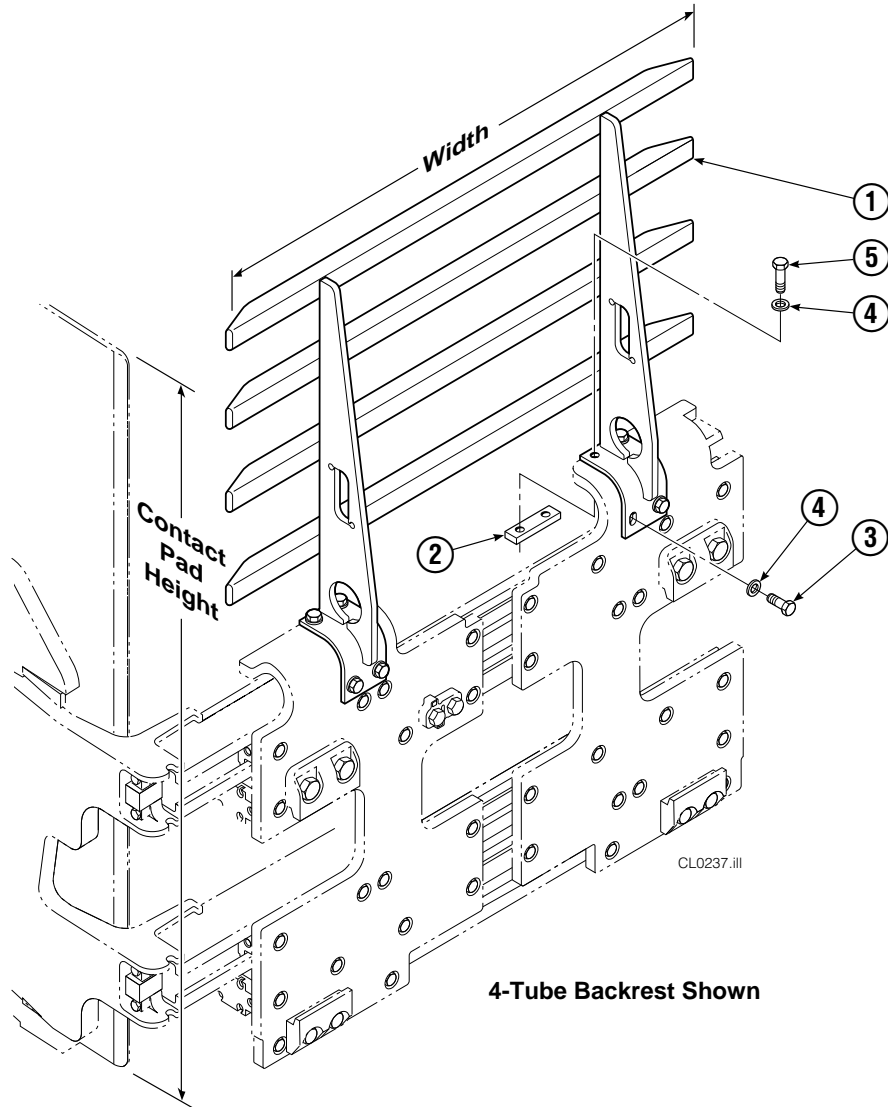
30E							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6007726	Contact Pad Group (Items 7-9)	11	4	203405	Cap screw, M10 x 16
1	1	212003	Arm – LH	12	4	210161	Pin
2	1	212004	Arm – RH	13	4	787372	Cap screw, M8 x 20
3	1	210403	Stabilizer – LH	14	4	682999	Eye Pin
4	1	210406	Stabilizer – RH	15	10	675620	Washer, M10
5	2	210180	Filler Block – LH Upper/RH Lower	16	8	200590	Bushing
6	2	210179	Filler Block – RH Lower/RH Upper	17	12	766646	Cap screw, M10 x 20
7	32	767439	Cap screw	18	12	768706	Cap screw, M12 x 35
8	1	392605	Wear Strip – LH	19	12	221409	Nut, M12
	1	392602	Wear Strip – RH	20	4	787398	Washer, M8
9	1	3008104	Contact Pad – LH	21	▲	673841	Contact Pad Repair Kit
	1	3008104	Contact Pad – RH	22	1	675626	Tool – Bushing Drive
10	2	210154	Spring				

Reference: Stabilizer Group 210409,

Common Parts Group 210495. S-4246, S-8833 S-8834.

▲ Repairs one hole.

Backrest Group



30E				
REF	QTY	CONTACT PAD HEIGHT		DESCRIPTION
		60 in. (1520 mm) – 5-Tube		
1	1	210530		Backrest ● – 40 in. (1016 mm) Width
2	2	210155		Plate
3	4	211689		Capscrew, M12 x 30
4	8	667910		Washer, M12
5	4	206174		Capscrew, M12 x 45

● Backrest with Solenoid Adaption mounting, 211448 items 2 thru 5.
Reference: S-4198, S-4265.

Quick-Change Mounting Group



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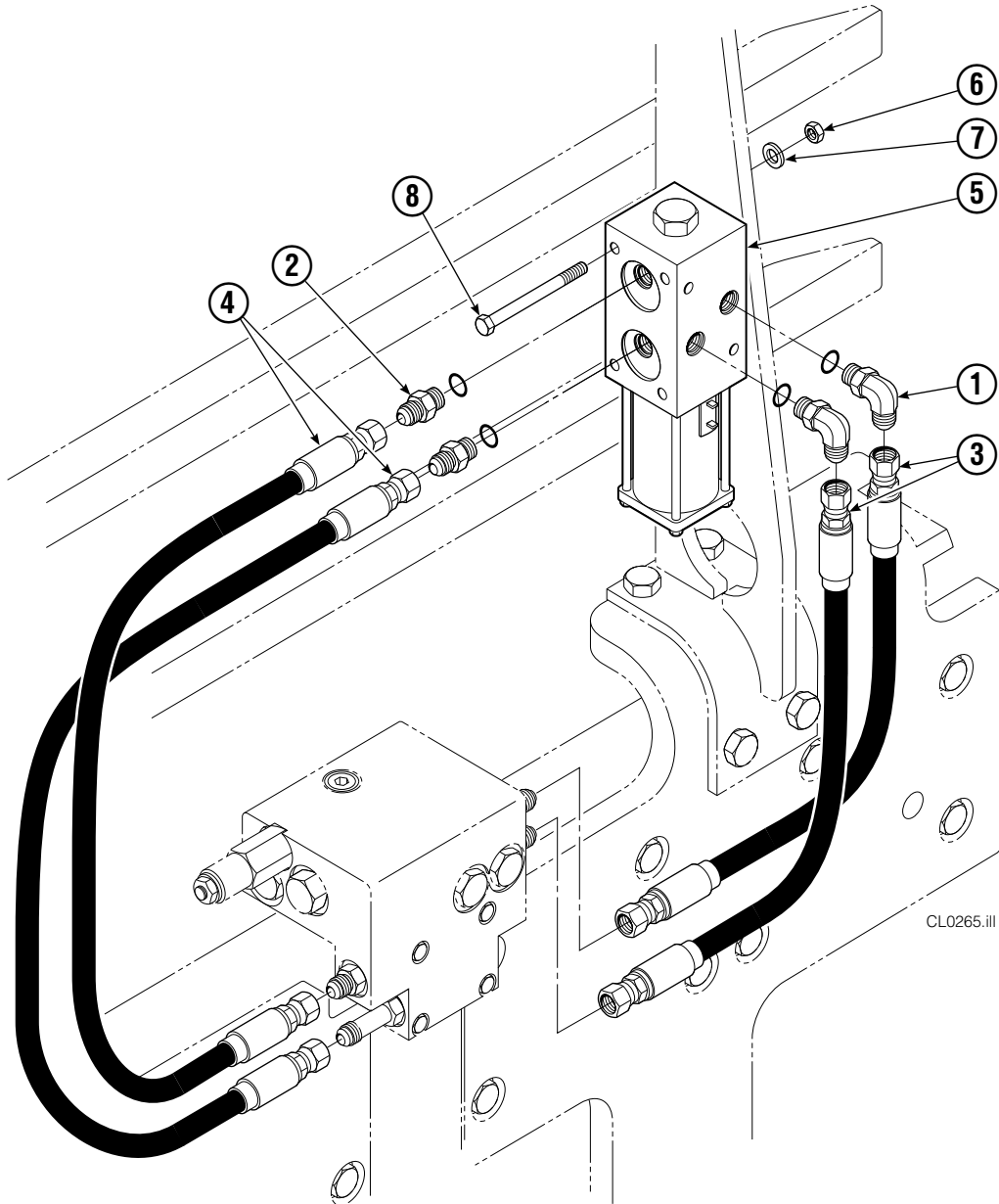
REF	QTY	ITA II	DESCRIPTION
		PART NO.	
		211162	Upper Mounting Group ▲
		211174	Lower Mounting Group ●
1	2	210491	Upper Hook
2	4	768577	Capscrew, M20 x 35
3	1	212999	Center Key
4	2	211129	Capscrew, M16 x 35
5	2	675514	Lower Hook
6	2	675515	Guide
7	2	678832	Pin
8	4	211180	Capscrew, M16 x 30

▲ Includes items 1–4.

● Includes items 5–8.

Reference: SK-6089.

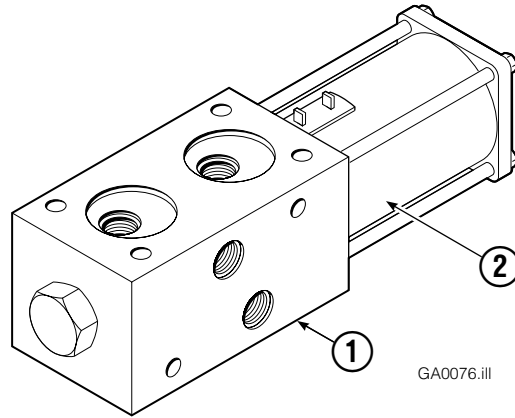
Solenoid Adaption Group



33E			
REF	QTY	PART NO.	DESCRIPTION
		211502	Solenoid Adaption Group
1	2	601676	Fitting, 6-6
2	4	604511	Fitting, 6-6
3	2	676084	Hose, 16 in.
4	2	675067	Hose, 34 in.
5	1	●	Solenoid Valve
6	2	767414	Nut, M8
7	2	787389	Lockwasher, M8
8	2	768535	Capscrew, M8 x 90

● See Solenoid Valve page for parts breakdown.
Reference: SK-6170.

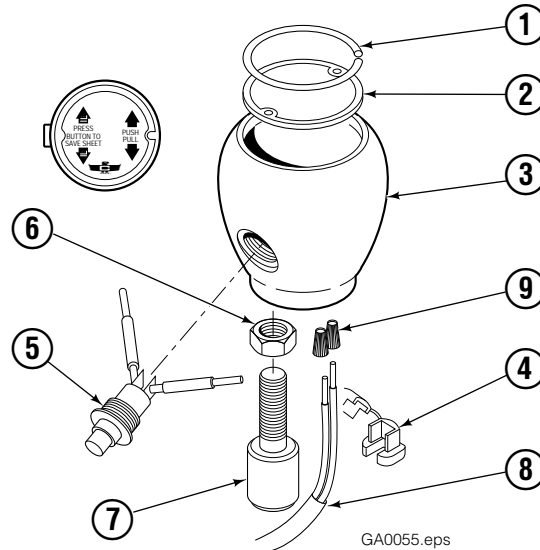
Solenoid Valves



Racine

REF	QTY	PART NO.	DESCRIPTION
1	1	614089	Solenoid Valve - 12V
2	1	665044	Coil - 12V
		685012	Service Kit

Control Knob



REF	QTY	PART NO.	DESCRIPTION
		686479	Knob Group
1	1	665250	Snap Ring
2	1	686018	Cover
3	1	665012	Knob
4	1	665076	Strain Relief
5	1	677112	■ Switch
6	1	5902	Nut, 3/8 NC
7	1	665081	Adapter, 3/8"
8	1	665077	Cable Assembly
9	2	667752	Connector-Gray
10	1	672087	Adapter, 1/2"

- This switch may be purchased without wires.
Order part number 665004. Soldering is required.

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

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