



Parts Manual

Model Paper Roll Clamp

Serial Number 60G-RCF-132

cascade[®]
corporation

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

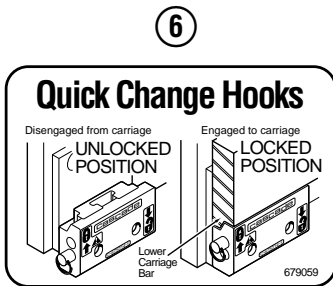
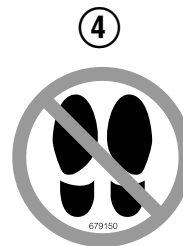
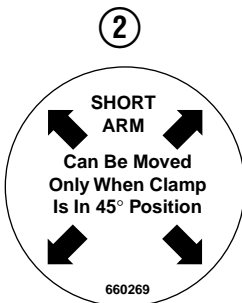
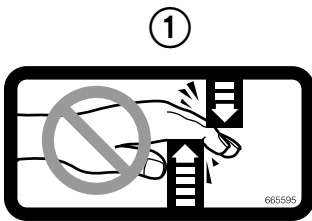
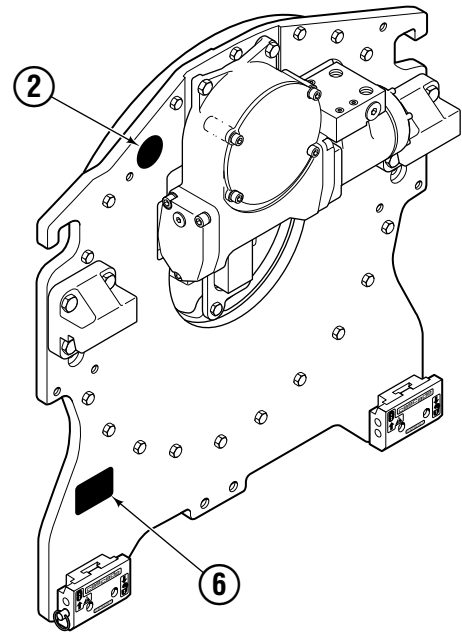
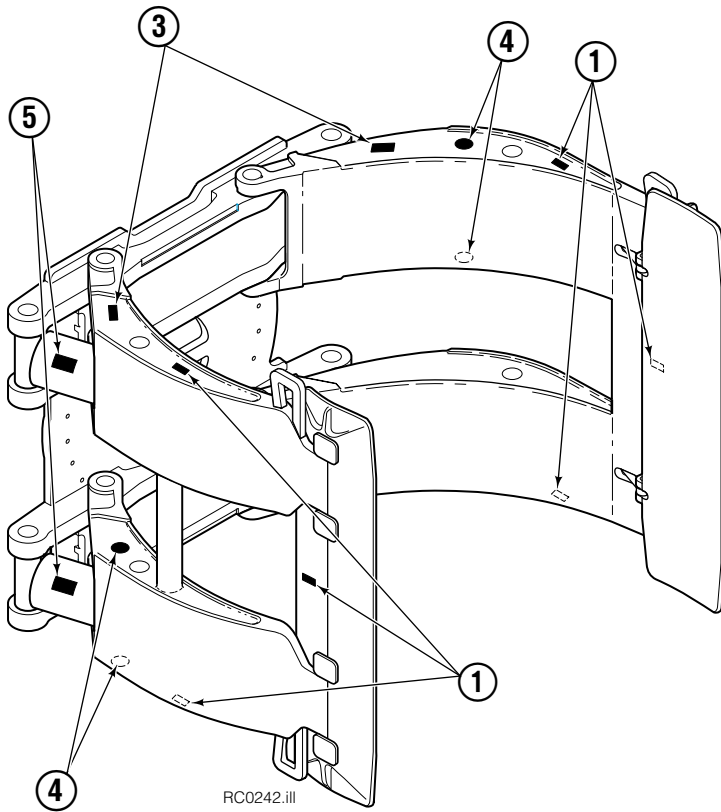
To Order Parts call: 888-227-2233, Fax: 888-329-0234

OR

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

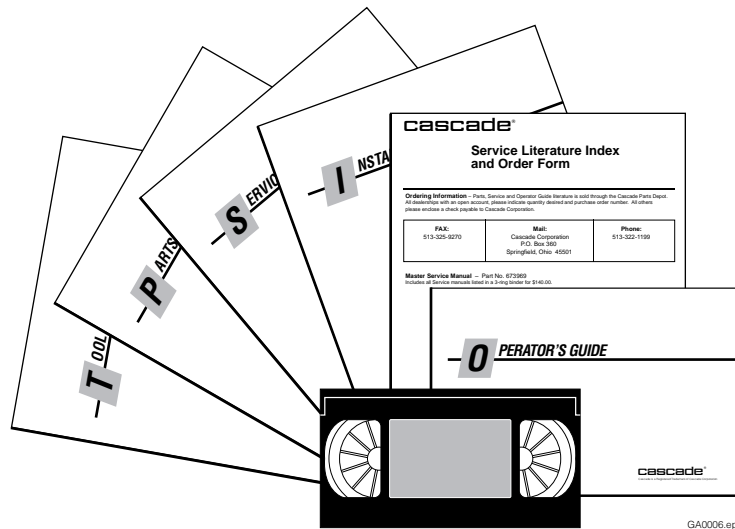
Internet: www.cascorp.com

Decals



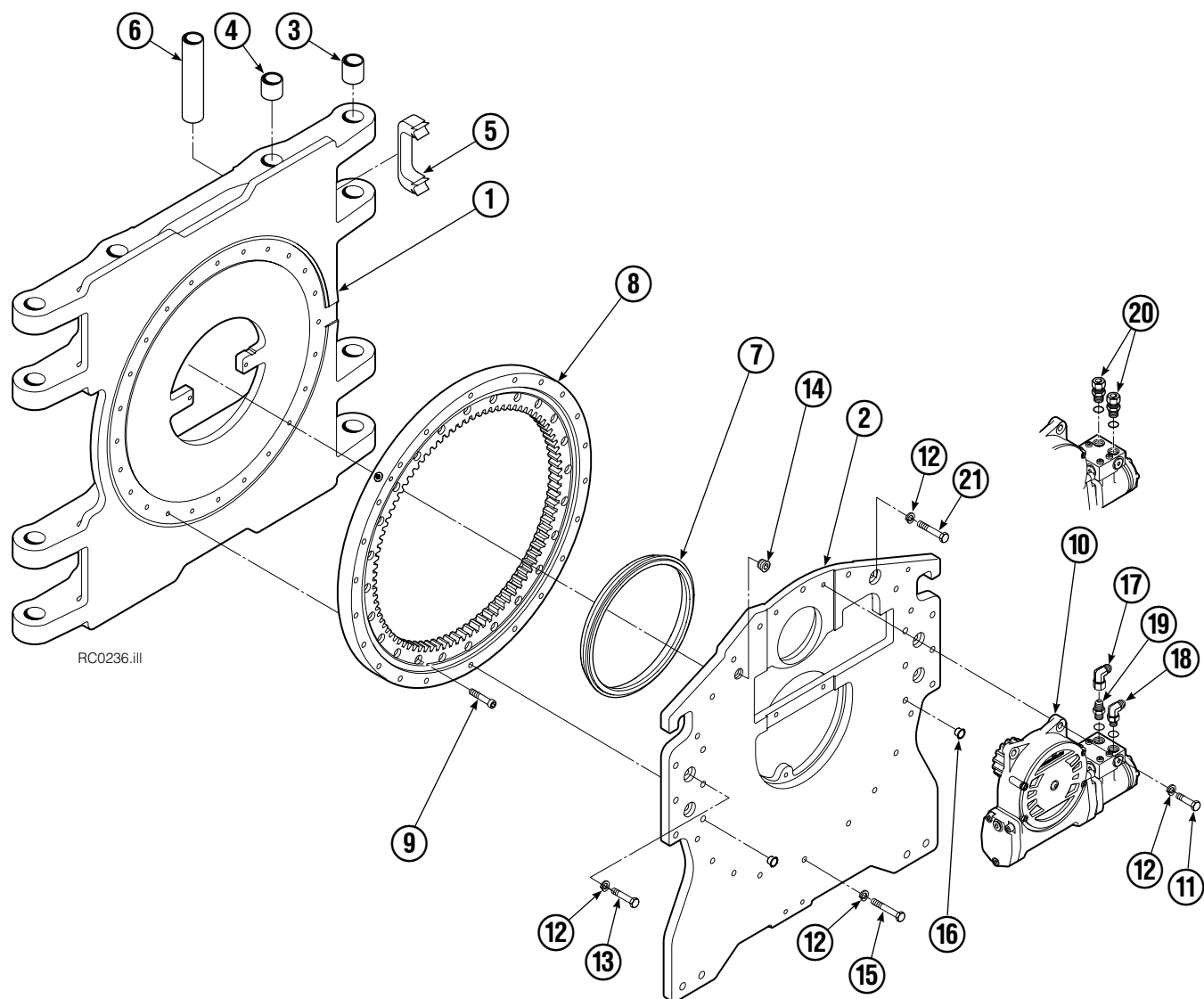
60G			
REF	QTY	PART NO.	DESCRIPTION
1	6	665595	No Hand Hold Decal
2	1	660269	Short Arm Rotation Position Decal
3	4	656038	Caution Decal
4	4	679150	No Step Decal
5	4	665677	Trapped Pressure Decal
6	1	679059	Quick-Change Hook Decal

Publications



60G	
PART NO.	DESCRIPTION
	Parts Manual
213744	Service Manual
210135	Operator's Guide
212420	Installation Instructions - Fixed Frame
677555	Driver Training Video - VHS
678363	Troubleshooting Video - VHS
680664	Servicing Cascade Cylinders - VHS
679929	Tool Catalog
673964	Literature Index Order Form

Frame Group



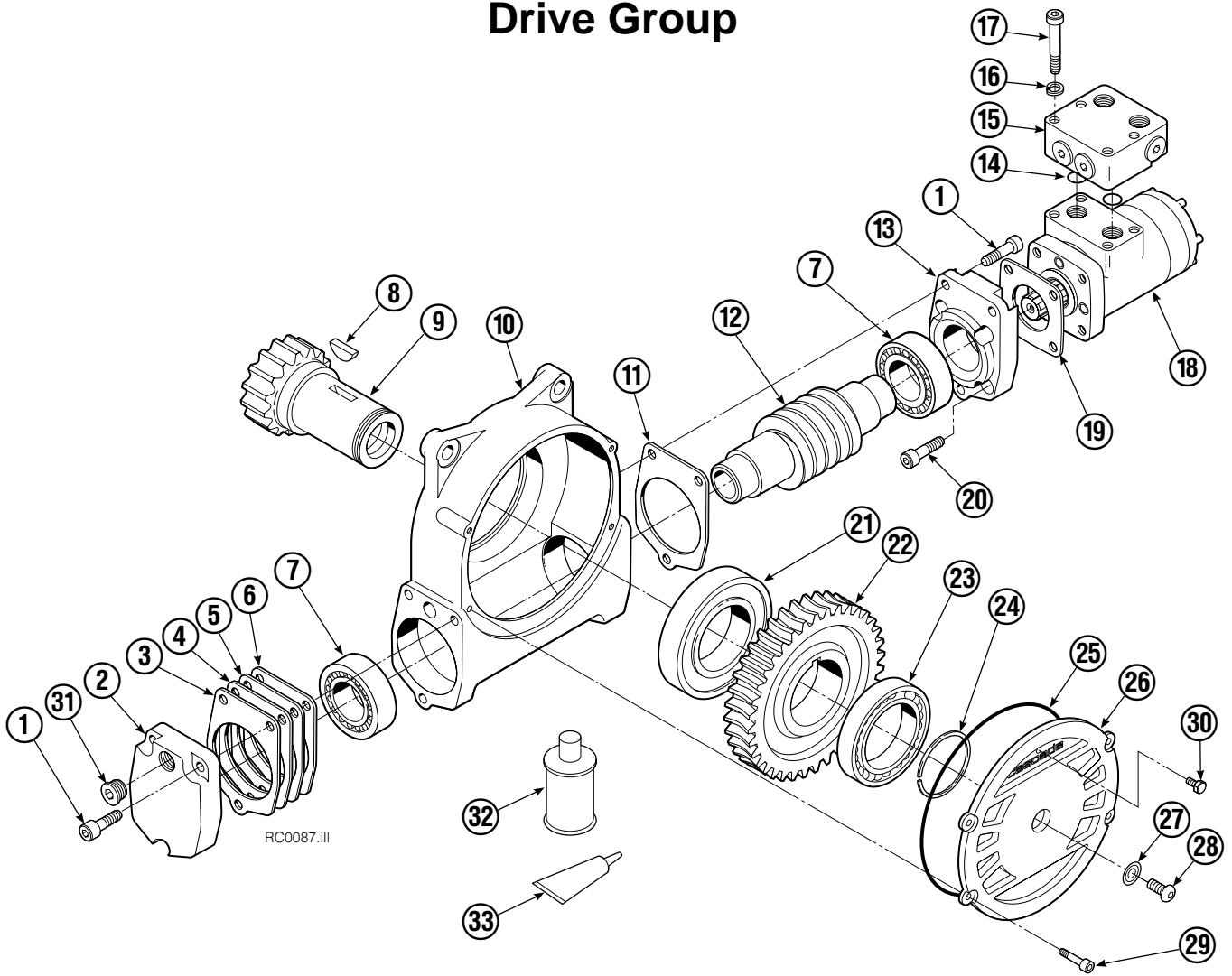
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60G							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		390872	Frame Group w/o Stop – 84 in. ▲	11	4	211689	Capscrew, M12 x 30
1	1	391061	Frame w/o Stop – 84 in.	12	26	683822	Lockwasher, M12
2	1	209940	Baseplate w/o Stop	13	4	206174	Capscrew, M12 x 45
3	8	211718	Bearing	14	1	6605	Fitting, 3/4 in.
4	8	211717	Bearing	15	18	213633	Capscrew, M12 x 55
5	4	211712	Hose Guard	16	2	631428	Plug
6	4	209987	Spacer	17	1	605761	Fitting, 8-8 SAE
7	1	209944	Seal	18	1	601250	Fitting, 8-8 SAE
8	1	213761	Bearing Assembly	19	1	601377	Fitting, 8-8 SAE
9	24	767596	Capscrew, M12 x 40		2	765492	Fitting, 8 SAE – M10 L-Series
10	1	212308	Drive Group – 2.2 c.i. Motor ●	20	2	765493	Fitting, 8 SAE – M12 L-Series
10	1	795491	Drive Group – 2.8 c.i. Motor ●		2	756920	Fitting, 8 SAE – M12 S-Series

▲ Maximum roll handling capacity.
 ● See Drive Group page for parts breakdown.
 Reference: S-4165, S-4506, S-4189, S-4159.

Rotator & Baseplate 213763.
 Fitting Group 212367.
 Common Parts 211975 & 213762.

Drive Group

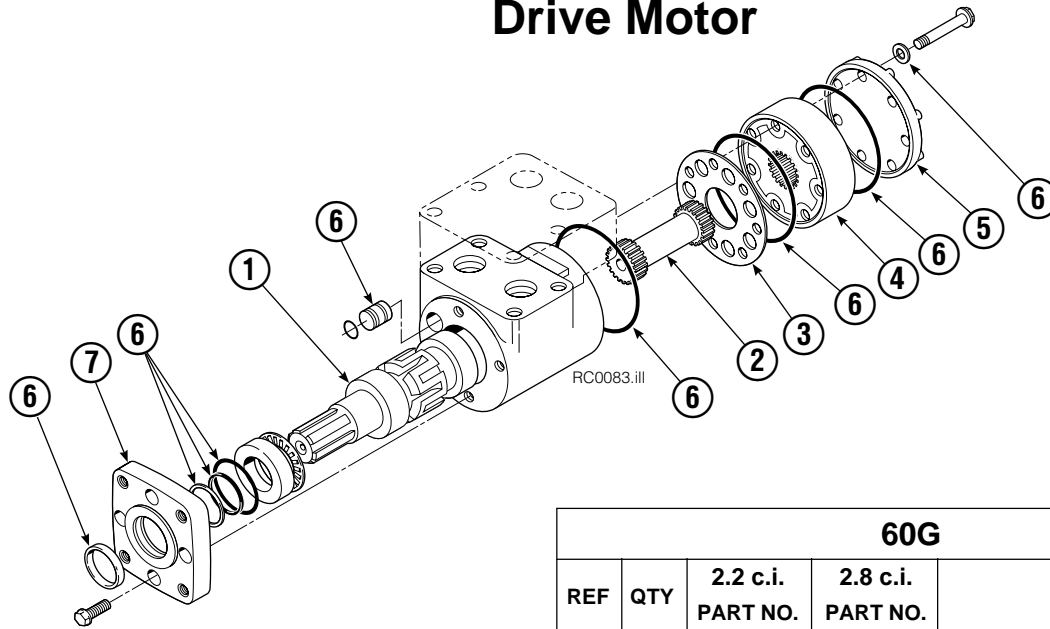


60G							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		212308	Drive Group with 2.2 c.i. Motor	19	1	670575	Gasket
		795491	Drive Group with 2.8 c.i. Motor	20	4	4468	Capscrew, 3/8 NC x .75 GR8
1	6	768826	Capscrew, M12 x 25	21	1	670580	Bearing
2	1	795258	Cover	22	1	675609	Worm Gear
3	●	674513	Shim - .005" (blue)	23	1	670581	Bearing
4	●	670574	Shim - .010" (brown)	24	1	7214	Snap Ring
5	●	671757	Shim - .015" (pink)	25	1	204970	Gasket
6	●	671758	Shim - .020" (yellow)	26	1	775552	Cover
7	2	670579	Bearing	27	1	783609	Seal
8	1	670582	Key	28	1	783608	Capscrew, M12 x 16
9	1	670506	Pinion	29	4	775639	Capscrew, M8 x 20
10	1	775551	Housing	30	1	644010	Relief Fitting
11	1	686465	Gasket	31	1	602580	Fitting, 8
12	1	675608	Worm	32	1	656300	Gear Box Lube - 48 oz.
13	1	775553	Adapter	33	1	668184	Sealant
14	2	2705	O-Ring			670578	Shim Service Kit (items 3-6,11,25,33)
15	1	670549	Check Valve			675637	Bearing Service Kit (items 21 & 33)
16	4	6444	Lockwasher			675638	Bearing Service Kit (items 3-7,11,25)
17	4	607059	Capscrew, 5/16 NC x 1.75 GR8			212919	Motor Kit-2.2 (items 11,14,18,19,20,33)
18	1	210139	Drive Motor - 2.2 c.i. ▲			206394	Motor Kit-2.8 (items 11,14,18,19,20,33)
18	1	206392	Drive Motor - 2.8 c.i. ▲				

● Quantity as required.

▲ See Drive Motor page for parts breakdown.

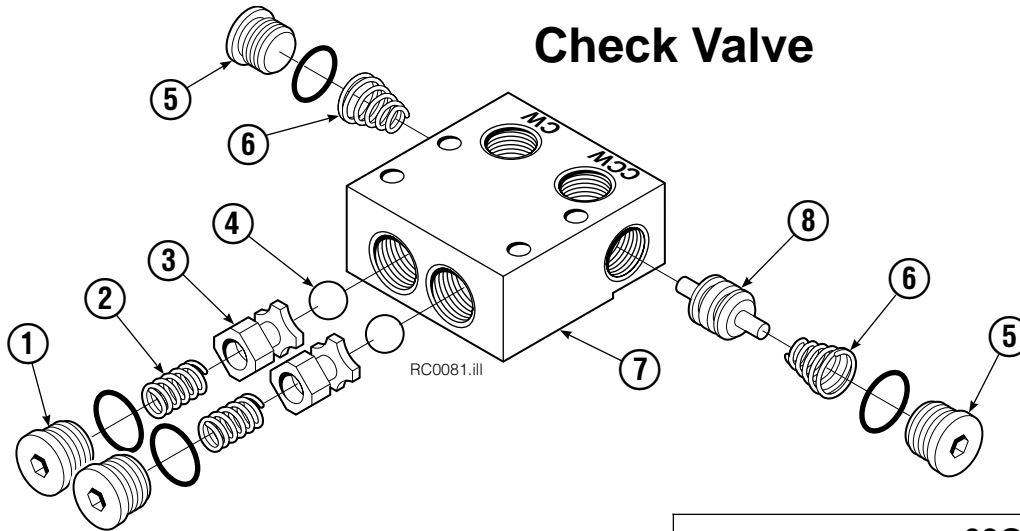
Drive Motor



60G				
REF	QTY	2.2 c.i. PART NO.	2.8 c.i. PART NO.	DESCRIPTION
		210139	206392	Drive Motor
1	1	675478	675478	Shaft
2	1	675477	675477	Drive Link
3	1	211528	675479	Spacer Plate
4	1	210137	675480	Geroler/Gerotor Set
5	1	211527	675482	End Cap
6	1	206405	206405	Service Kit ●
7	1	685090	685090	Flange

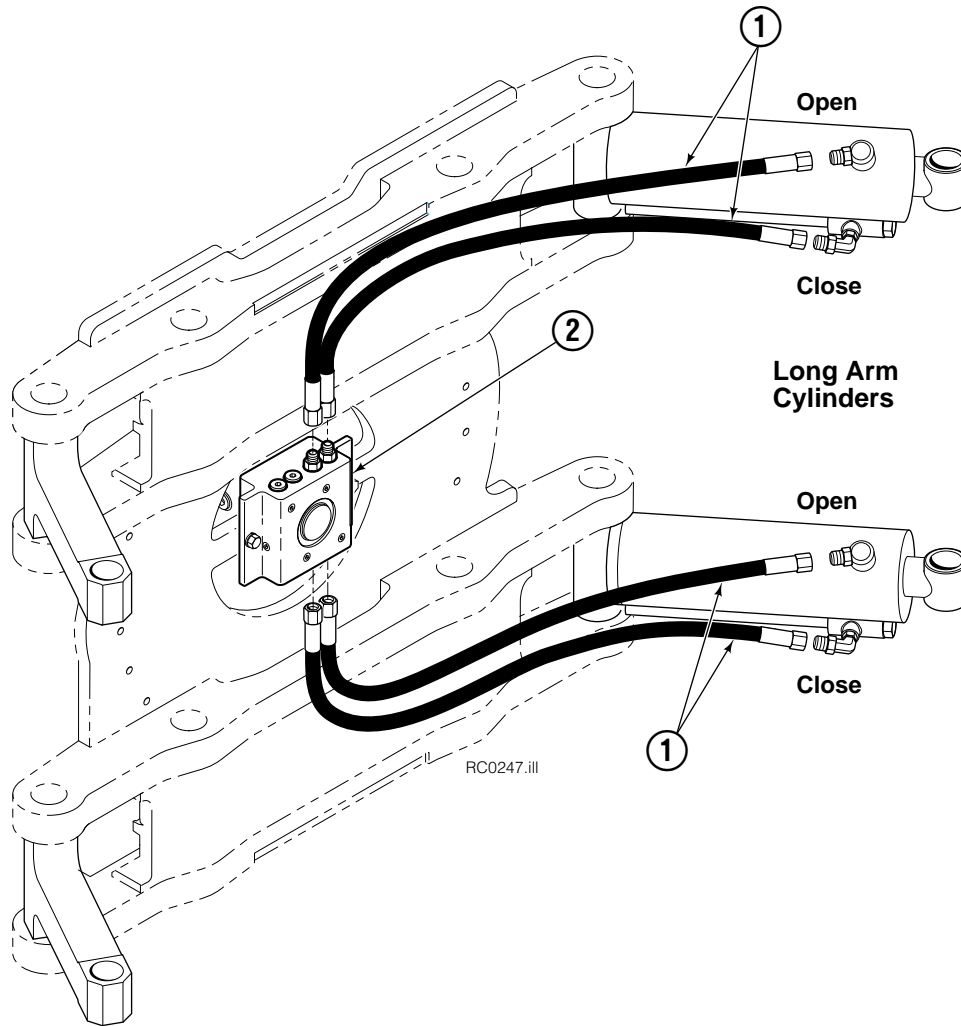
Cascade provides service replacement parts for the listed parts only. Due to cost, if others parts need replacement, the complete Drive Motor should be replaced.

Check Valve



60G			
REF	QTY	PART NO.	DESCRIPTION
		670549	Check Valve Assembly
1	2	609453	Fitting, 10
2	2	670552	Spring
3	2	670551	Guide
4	2	7020	Ball
5	2	602580	Fitting, 8
6	2	673989	Spring
7	1	670550	Body
8	1	670553	Spool

Hosing Group Fixed Short Arm



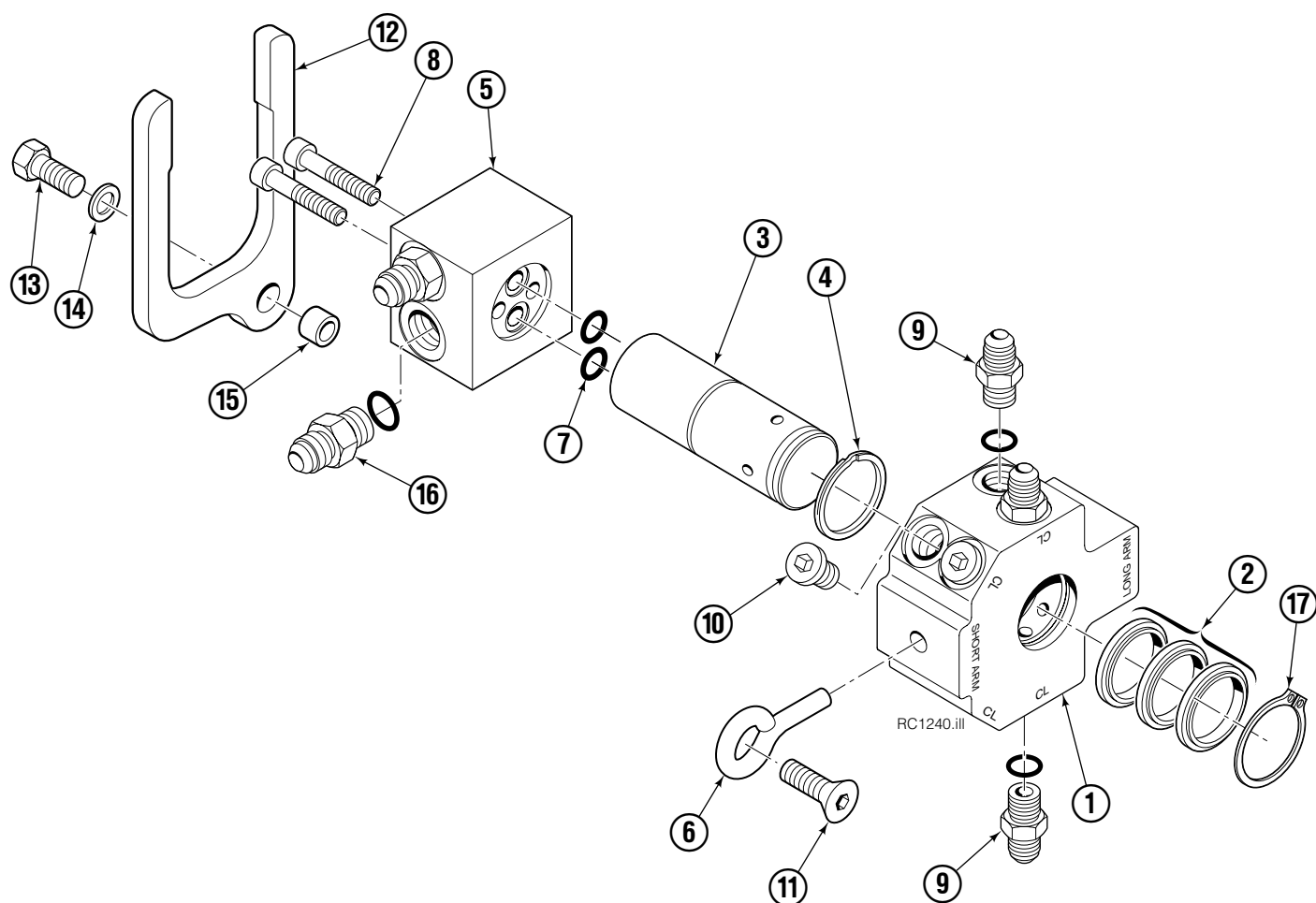
60G			
REF	QTY	84 in. ■ PART NO.	DESCRIPTION
		6017326	Hose Group
1	4	392902	Hose
2	1	▲	Revolving Connection

■ Maximum roll handling capacity.

▲ See Revolving Connection page for part number.

Reference: S-4192, S-4193.

Revolving Connection



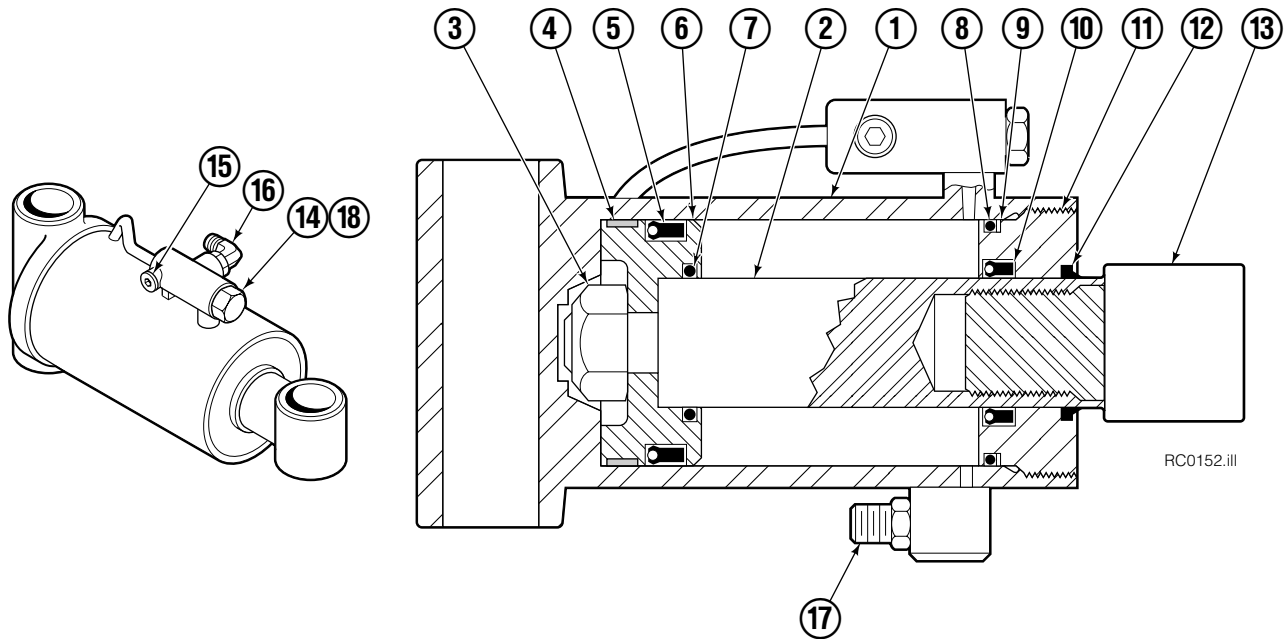
REF	QTY	PART NO.	DESCRIPTION
		222298	Revolving Connection
1	1	222192	Valve Body
2	3	214649	◆ Seal
3	1	222191	Shaft
4	1	7341	◆ Retaining Ring
5	1	222190	End Block
6	2	227962	Eye Pin
7	2	564448	◆ O-Ring
8	2	766123	◆ Capscrew, M8 x 50
9	4	604511	Fitting, 6-6
10	4	604510	Fitting, 6
11	2	768697	Capscrew, M10 x 25
12	1	211909	End Block Retainer
13	1	3007512	Capscrew, M12 x 25
14	1	209021	Washer, M10
15	1	212725	Spacer
16	2	601377	● Fitting, 8-8
17	1	3138	◆ Retaining Ring

◆ Included in Service Kit 222223.

● Included in Fitting Group 212367.

Reference: SK-6113.

Cylinders



60G				
REF	QTY	Short Arm	Long Arm	DESCRIPTION
		84 in. ■	84 in. ■	
		PART NO.	PART NO.	
		390870	390871	Cylinder Assembly
1	1	4195-181	4195-428	Shell
2	1	4130-405	4130-625	Rod

■ Maximum roll handling capacity.

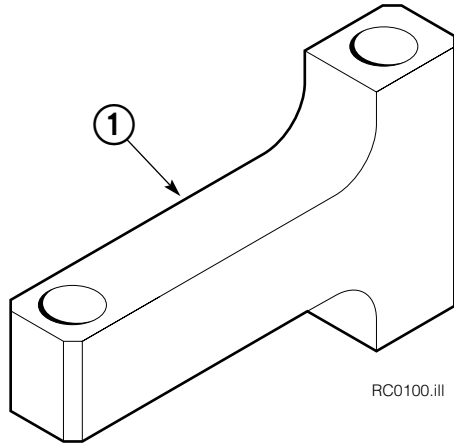
Common Parts

REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
3	1	560997	Nut	12	1	564443	Wiper ▲
4	1	211295	Wear Ring ▲	13	1	209764	Rod Eye
5	1	564902	Seal ▲	14	1	659058	Check Valve
6	1	211292	Piston	15	1	609234	Fitting, 4
7	1	210087	O-Ring ▲	16	1	601676	Fitting, 6-6
8	1	564445	O-Ring ▲	17	1	604511	Fitting, 6-6
9	1	564446	Back-Up Ring ▲	18	1	667516	Check Valve Service Kit
10	1	564442	Seal ▲			210133	Cylinder Service Kit
11	1	209763	Retainer				

▲ Included In Service Kit 210133.

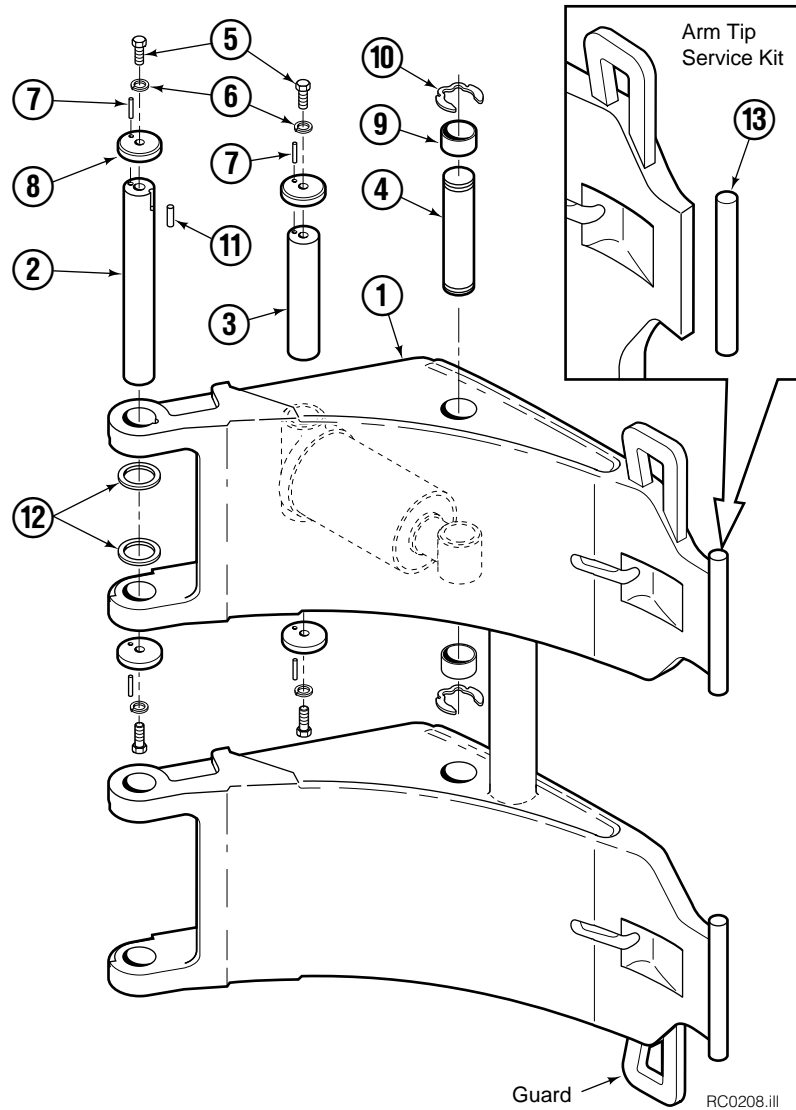
Reference: S-4454, S-4460.

Short Arm Link



REF	QTY	PART NO.	DESCRIPTION
1	2	3007999	Link

Short Arm



60G			
REF	QTY	84 in. ■	DESCRIPTION
		PART NO.	
		390873	Arm Group w/o Guard
1	1	392089	Arm w/o Guard

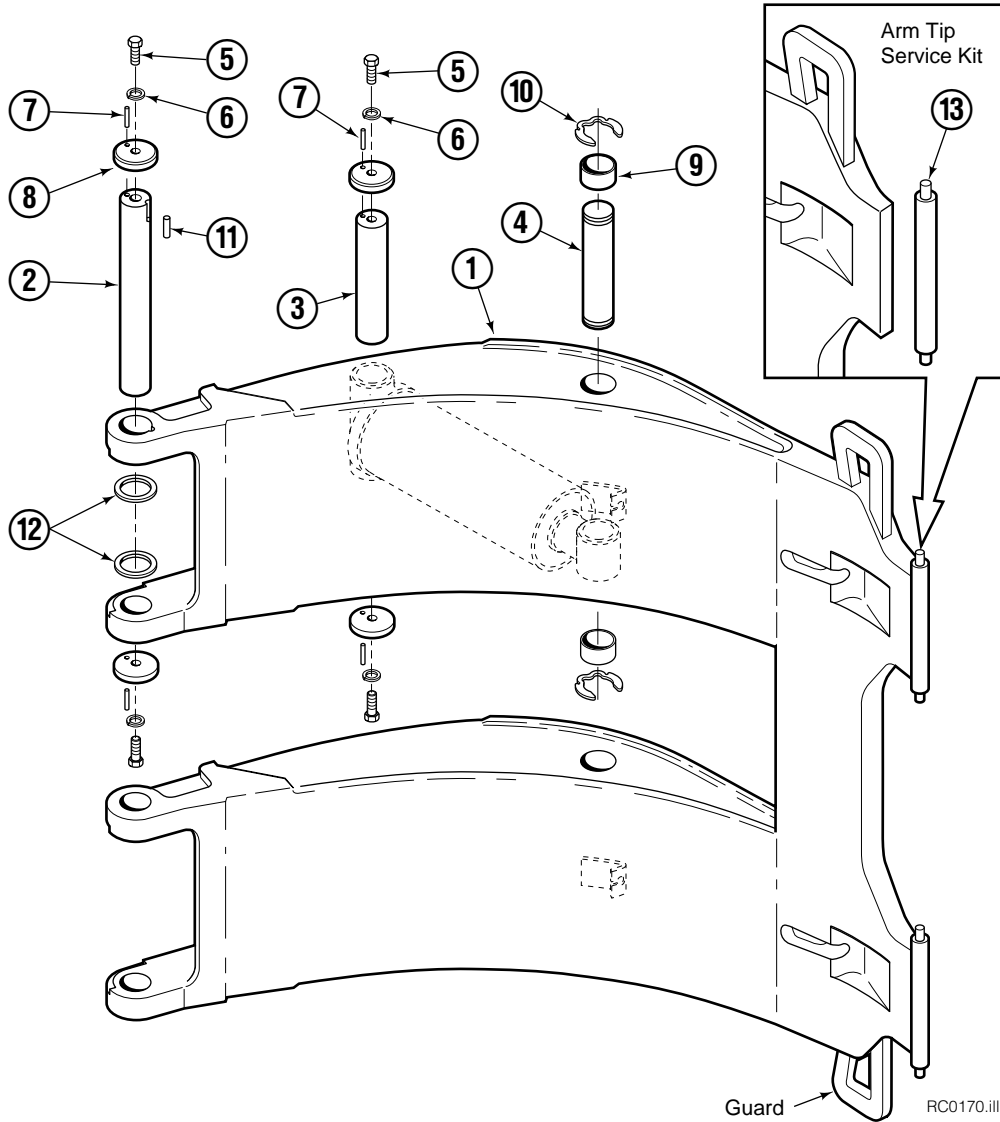
■ Maximum roll handling capacity.

Common Parts

REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		212933	Common Parts Group	8	8	209985	Cap
2	2	209982	Arm Pivot Pin	9	4	210080	Bearing
3	2	209983	Cylinder Pivot Pin	10	4	209986	Retaining Ring
4	2	4175-150	Cylinder Rod Pivot Pin	11	2	212382	Dowel Pin, 8x16 mm
5	8	212632	Capscrew, M10x1.5x20	12	16	209941	Shim - .062 in.
6	8	209021	Washer, M10	13	1	212902	Arm Tip Service Kit
7	8	769009	Roll Pin				

Reference: S-4173.

Long Arm



60G			
REF	QTY	84 in. ■	DESCRIPTION
		PART NO.	
		390874	Arm Group w/o Guard
1	1	392084	Arm w/o Guard

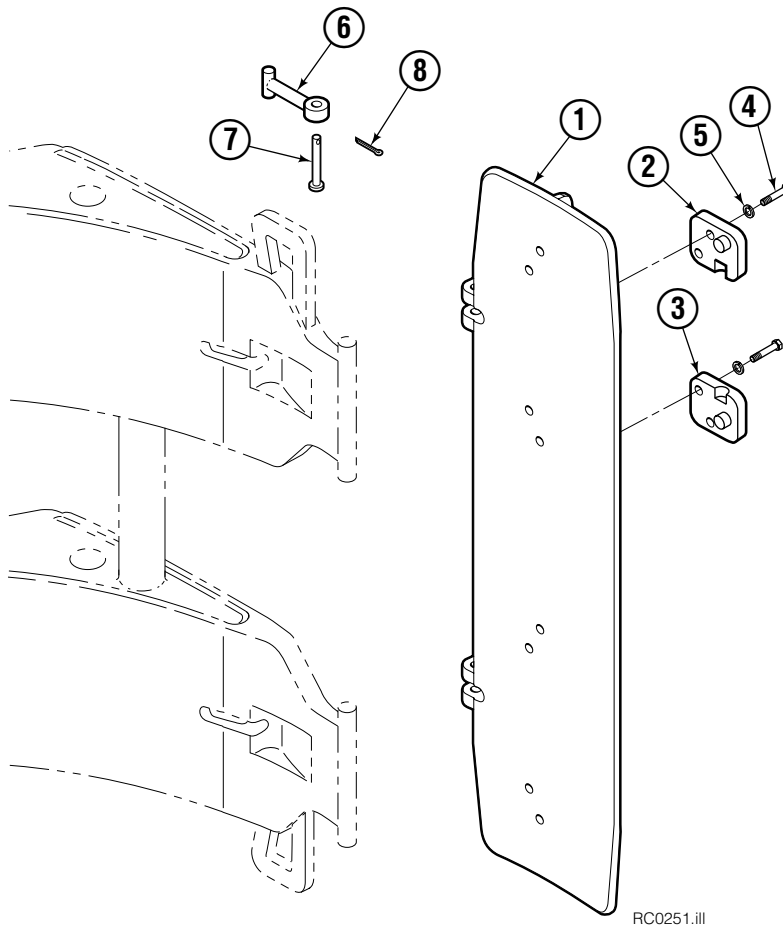
■ Maximum roll handling capacity.

Common Parts

REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		212933	Common Parts Group	8	8	209985	Cap
2	2	209982	Arm Pivot Pin	9	4	210080	Bearing
3	2	209983	Cylinder Pivot Pin	10	4	209986	Retaining Ring
4	2	4175-150	Cylinder Rod Pivot Pin	11	2	212382	Dowel Pin, 8x16 mm
5	8	212632	Capscrew, M10x1.5x20	12	16	209941	Shim - .062 in.
6	8	209021	Washer, M10	13	1	212903	Arm Tip Service Kit
7	8	769009	Roll Pin				

Reference: S-4171.

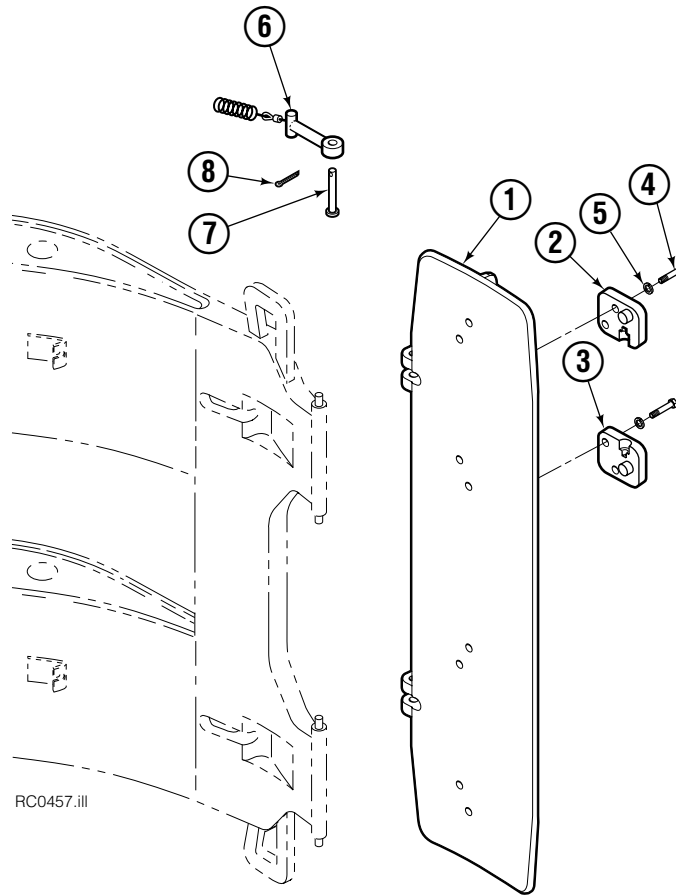
Pad Group – Short Arm



60G			
REF	QTY	PART NO.	DESCRIPTION
		6017307	Pad Group
1	1	6017303	Pad
2	4	209904	Retainer, RH ▲
3	4	209905	Retainer, LH ▲
4	16	763021	Capscrew, M12 x 30
5	16	681473	Lockwasher, M12
6	2	209909	Link
7	2	674265	Clevis Pin
8	2	6525	Cotter Pin

▲ Driver's view, clamp in horizontal position, Short Arm up.
Reference: S-4177, Common Parts 392928.

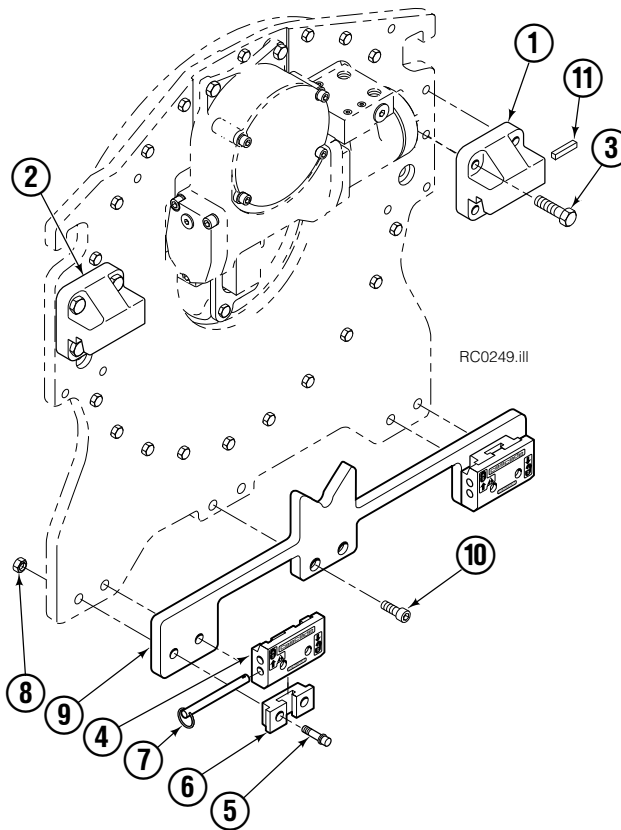
Pad Group – Long Arm



60G			
REF	QTY	PART NO.	DESCRIPTION
		6017306	Pad Group
1	1	6017303	Pad
2	4	211997	Retainer, RH ▲
3	4	211998	Retainer, LH ▲
4	16	763021	Capscrew, M12 x 30
5	16	681473	Lockwasher, M12
6	2	209916	Link
7	2	674265	Clevis Pin
8	2	6525	Cotter Pin

▲ Driver's view, clamp in horizontal position, Long Arm up.
Reference: S-4177, Common Parts 392929.

Mounting Groups – 2°



60G Quick-Change Mounting			
REF	QTY	ITA III	DESCRIPTION
		PART NO.	
		210006	Mounting Group
1	1	209932	Upper Hook - R.H.
2	1	209933	Upper Hook - L.H.
3	4	779010	Capscrew, M16x2x35-8.8
4	2	675957	Lower Hook
5	4	768843	Capscrew, M16x2x70-8.8
6	2	675958	Guide
7	2	678832	Pin
8	4	781534	Nut, M16x2
9	1	209936	Spacer
10	2	212146	Capscrew, M12x1,75x25-8.8
11	1	669344	Stop Kit

Reference: S-4186

Do you have questions you need answered right now? Call your nearest Cascade Parts Department. Visit us online at www.cascorp.com

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