



Parts Manual

Model Paper Roll Clamp

Serial Number 60G-RCP-142

cascade[®]
corporation

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

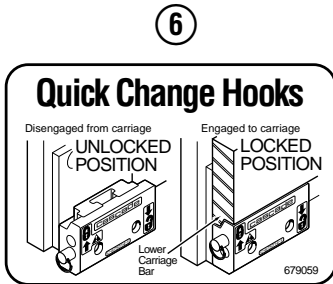
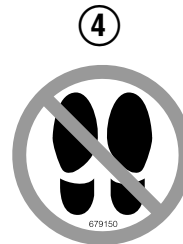
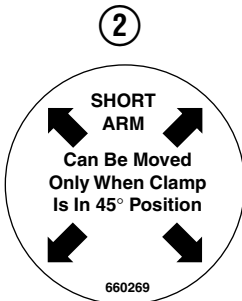
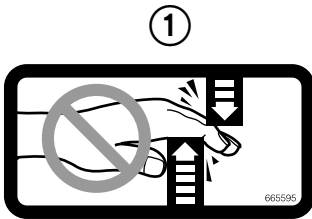
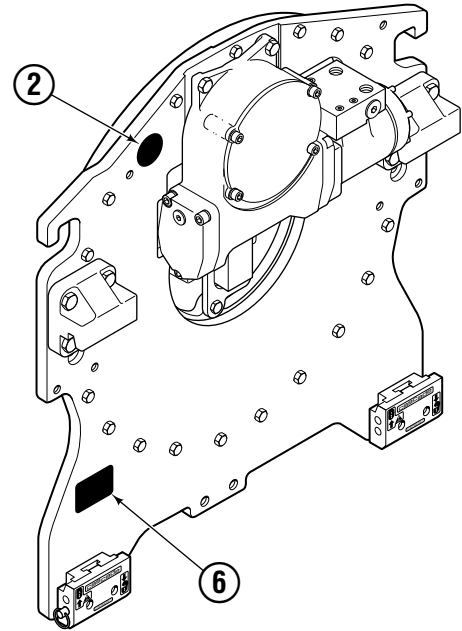
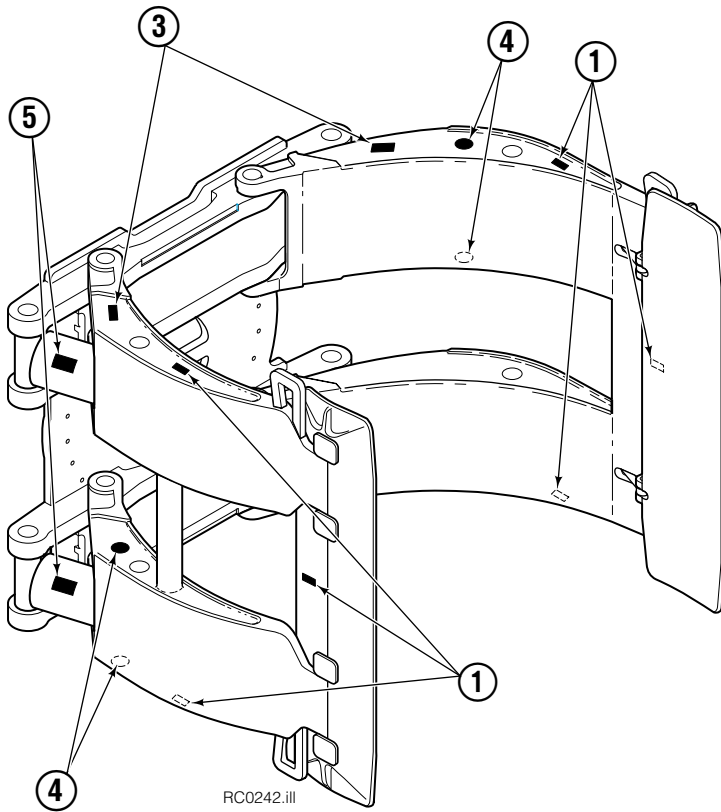
To Order Parts call: 888-227-2233, Fax: 888-329-0234

OR

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

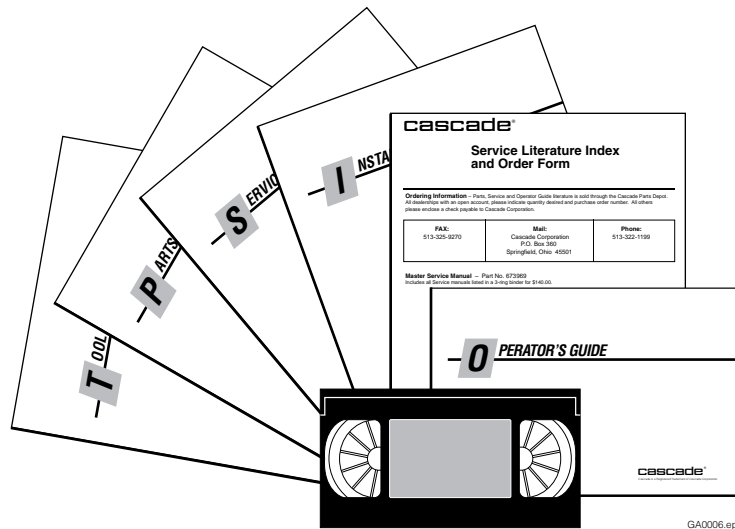
Internet: www.cascorp.com

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	

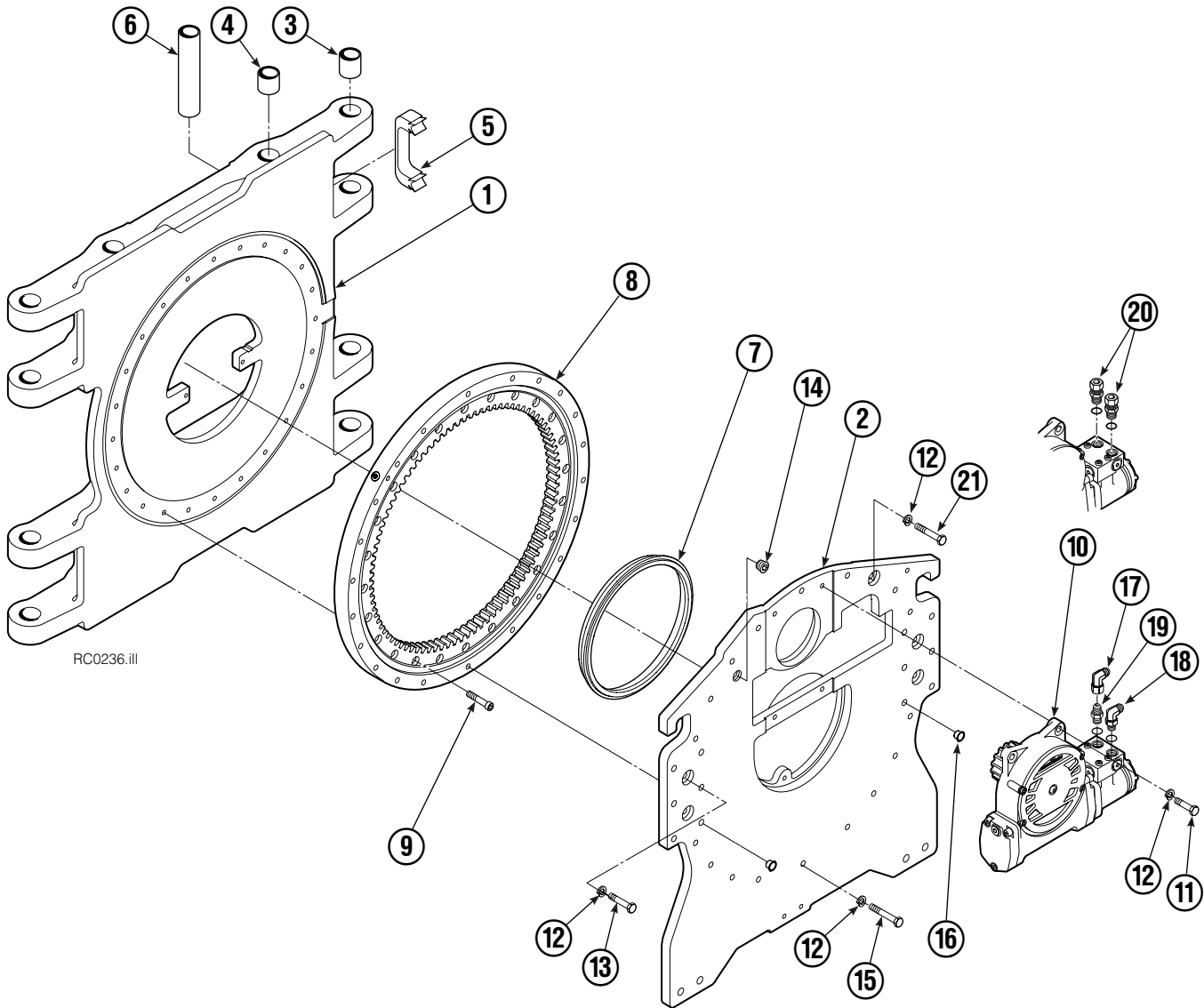
Publications



GA0006.eps

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



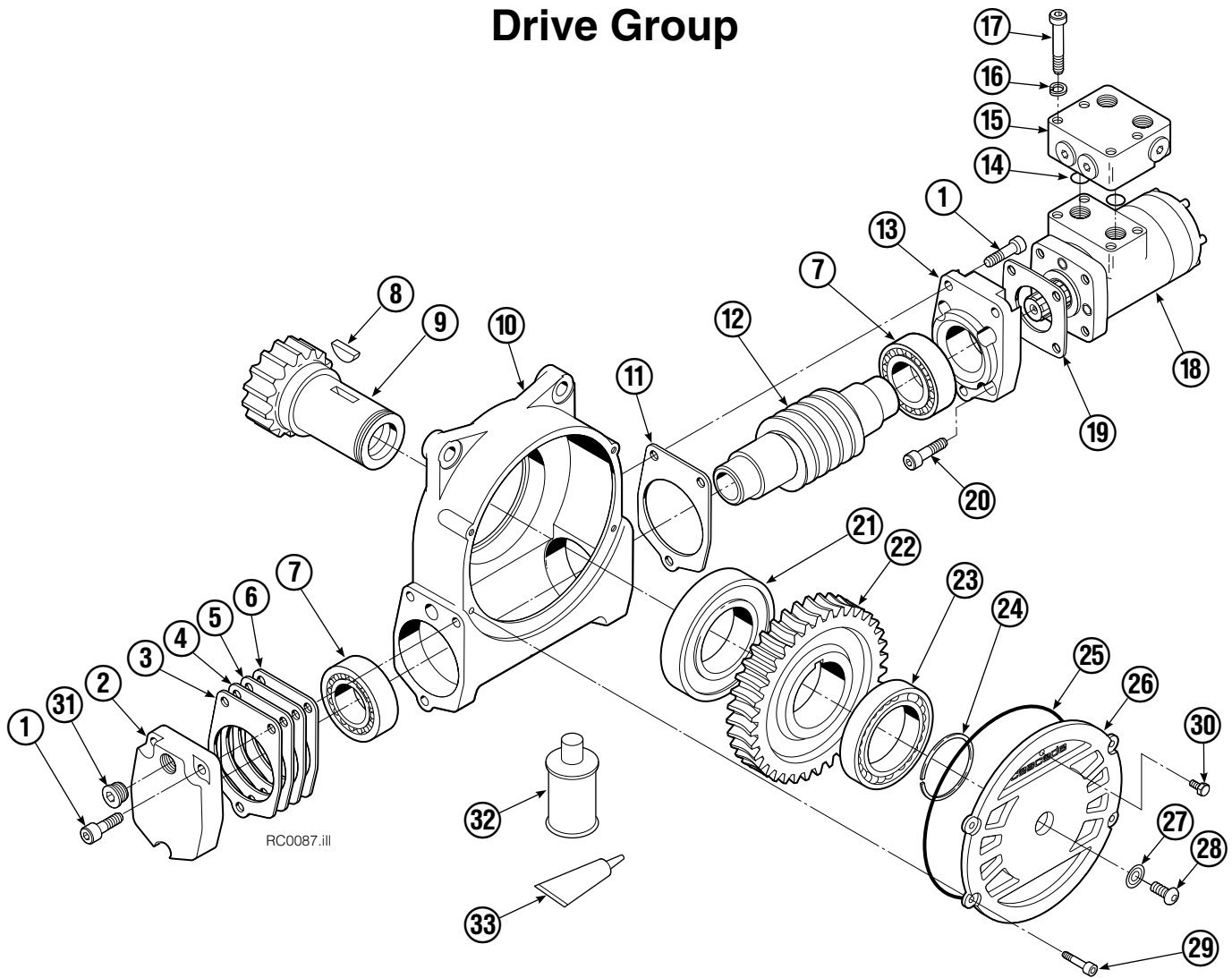
RC0236.iii

60G							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		213801	Frame Group w/o Stop – 51 in. ▲	11	4	211689	Capscrew, M12 x 30
1	1	213802	Frame w/o Stop – 51 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	20	2	765492	Fitting, 8 SAE – M10 L-Series
10	1	212308	Drive Group – 2.2 c.i. Motor ●		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.

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

Drive Group

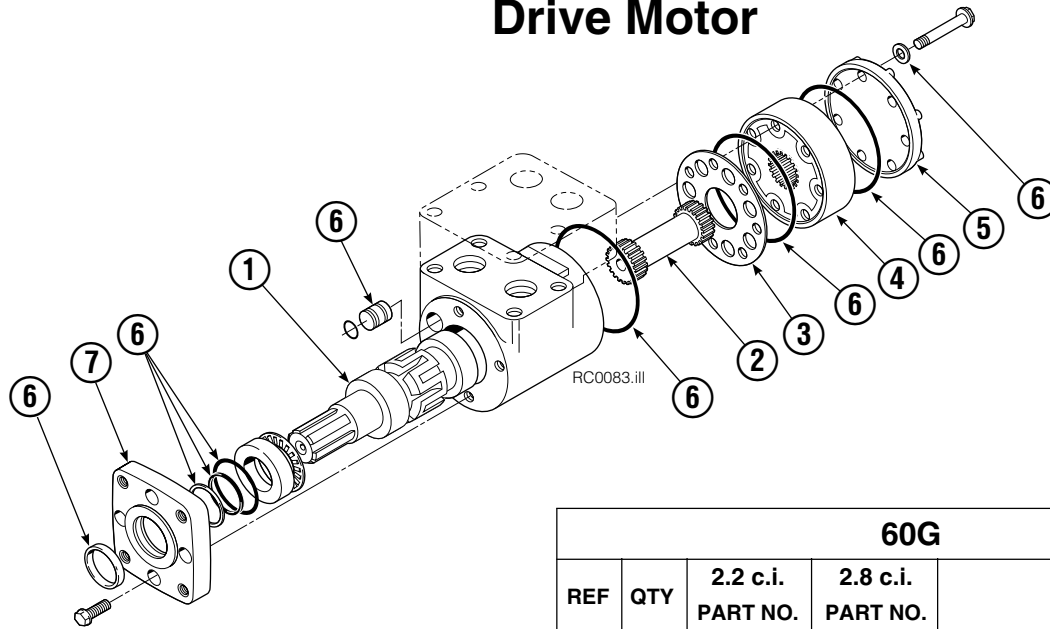


60G							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		212308	Drive Group with 2.2 c.i. Motor	19	1	670575	Gasket
		795491	Drive Group with 2.8 c.i. Motor	20	4	4468	Capscrew, 3/8 NC x .75 GR8
1	6	768826	Capscrew, M12 x 25	21	1	670580	Bearing
2	1	795258	Cover	22	1	675609	Worm Gear
3	●	674513	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.

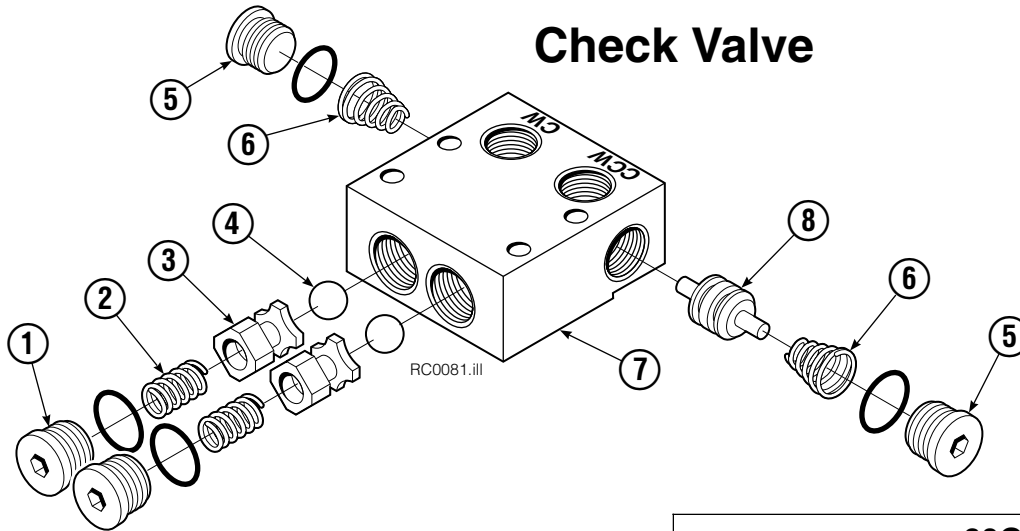
Drive Motor



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

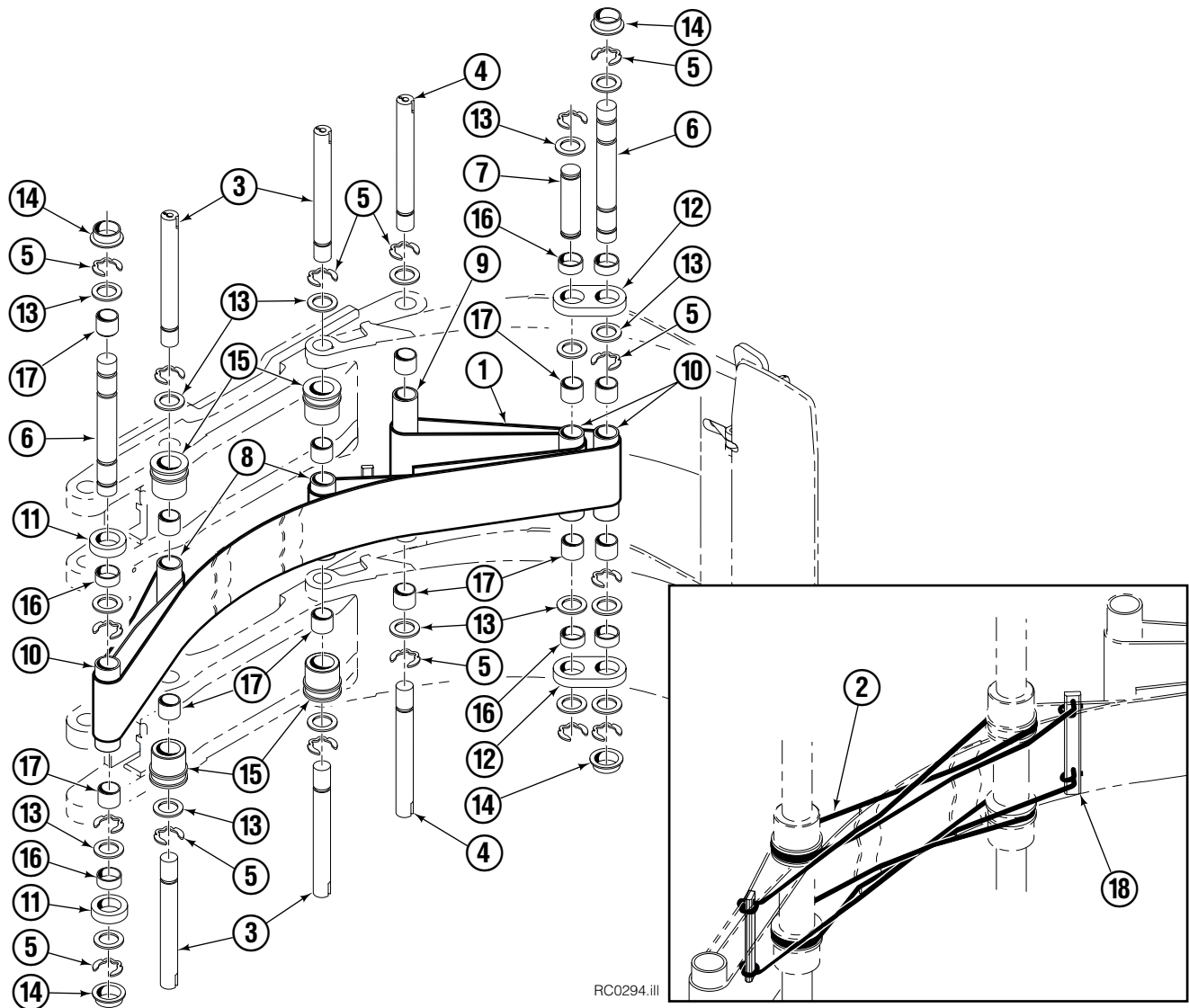
Cascade provides service replacement parts for the listed parts only. Due to cost, if others parts need replacement, the complete Drive Motor should be replaced.

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

Adjustable Bumper Group



RC0294.ill

60G					
REF	QTY	51 in. ■	60 in. ■	72 in. ■	DESCRIPTION
		PART NO.	PART NO.	PART NO.	
		212820	212822	212823	Adjustable Bumper Group
1	1	213034	213036	213037	Belt
2	2	213038	213040	213041	Elastic Band

■ Maximum roll handling capacity.

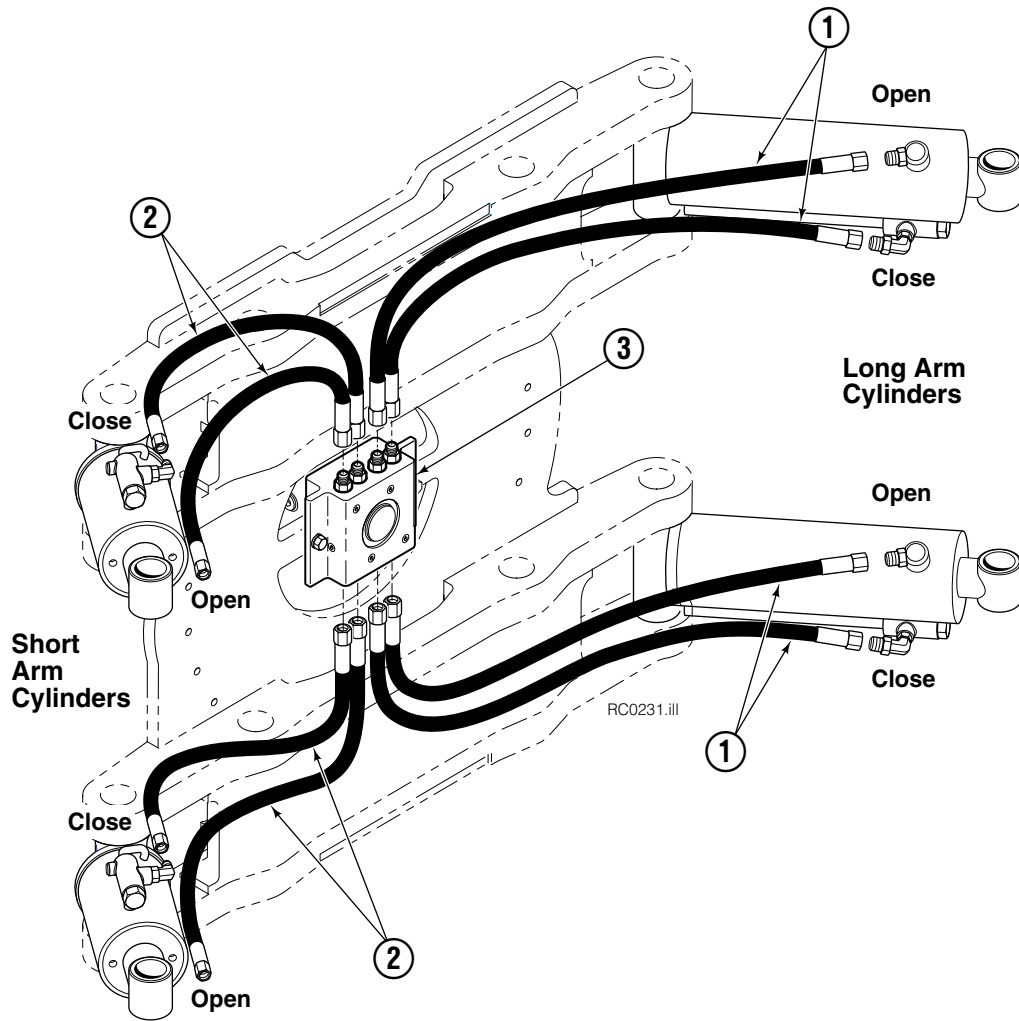
Common Parts

REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		213046	Common Parts Group	11	2	213027	Guide
3	4	213024	Pin	12	2	213028	Guide
4	2	213025	Pin	13	●	213029	Shim
5	16	209986	Retaining Ring	14	4	213030	Retainer
6	2	213026	Pin	15	4	213042	Pulley
7	1	213044	Pin	16	6	213045	Bearing
8	2	213031	Roller	17	12	211717	Bearing
9	1	213032	Roller	18	2	213942	Retainer
10	3	213033	Guide				

● As Required.

Reference: S-4596, S-4597.

Hosing Group Positioned Short Arm



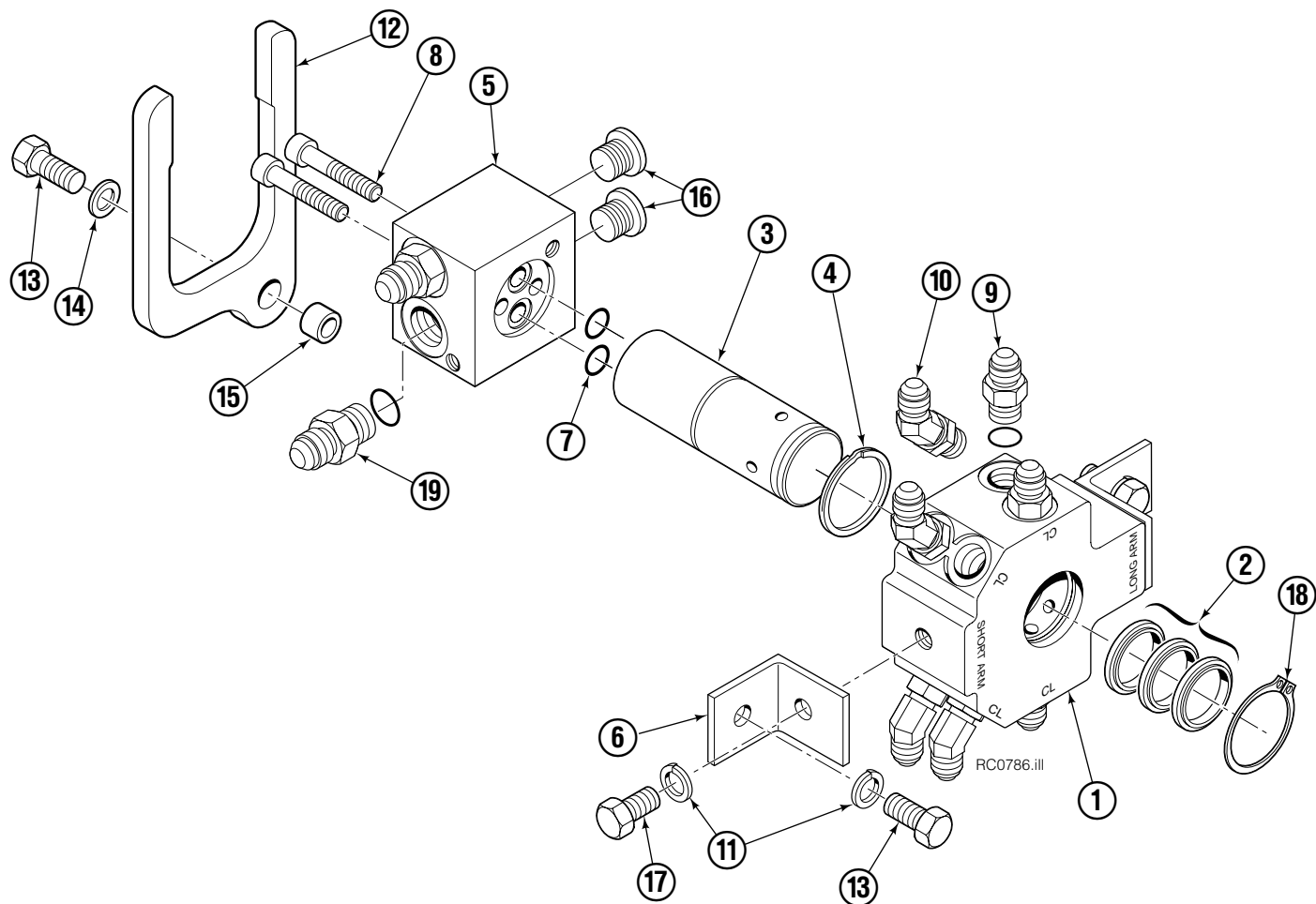
60G			
REF	QTY	51 in. ■ PART NO.	DESCRIPTION
		210010	Hose Group
1	4	210018	Hose
2	4	210019	Hose
3	1	▲	Revolving Connection

■ Maximum roll handling capacity.

▲ See Revolving Connection page for part number.

Reference: S-4192, S-4193.

Revolving Connection

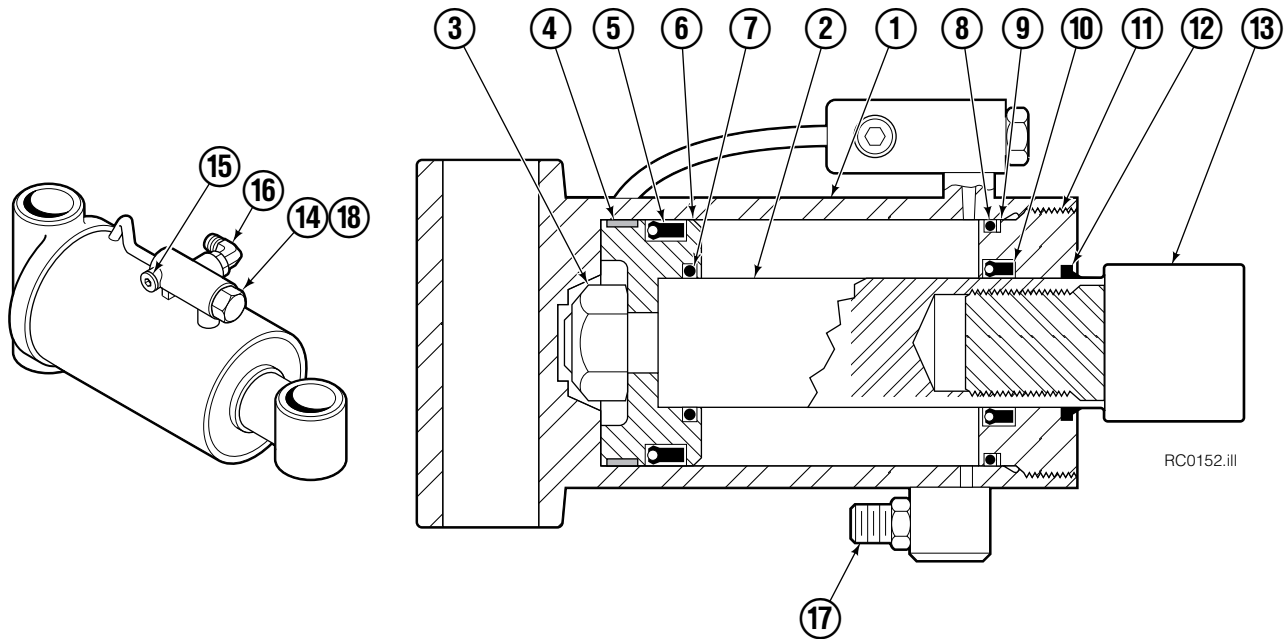


60G			
REF	QTY	PART NO.	DESCRIPTION
		222188	Revolving Connection
1	1	222192	Valve Body
2	3	214649	◆ Seal
3	1	222191	Shaft
4	1	7341	◆ Retaining Ring
5	1	222190	End Block
6	2	222189	Bracket
7	2	564448	◆ O-Ring
8	2	766123	Capscrew, M8 x 50
9	4	604511	Fitting, 6-6
10	4	611302	Fitting, 6-6
11	4	681238	Lockwasher, M10
12	1	211909	End Block Retainer
13	3	215480	Capscrew, M10 x 25
14	1	209021	Washer, M10
15	1	212725	Spacer
16	2	602580	Fitting, 8
17	2	212632	Capscrew, M10 x 20
18	1	3138	◆ Retaining Ring

◆ Included in Service Kit 222223.

Reference: SK-6113.

Cylinders



60G				
REF	QTY	Short Arm	Long Arm	DESCRIPTION
		51 in. ■	51 in. ■	
		PART NO.	PART NO.	
		210125	210129	Cylinder Assembly
1	1	4195-175	4195-350	Shell
2	1	4130-159	4130-340	Rod

■ Maximum roll handling capacity.

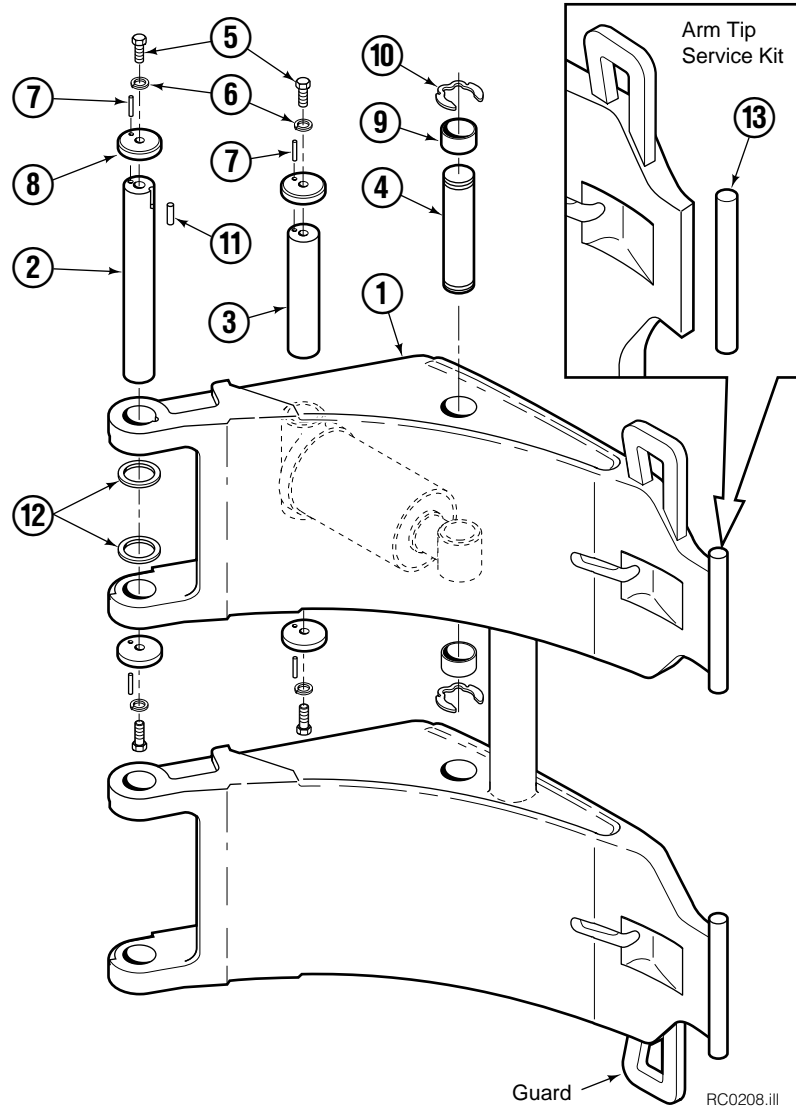
Common Parts

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



60G			
REF	QTY	51 in. ■	DESCRIPTION
		PART NO.	
		212034	Arm Group w/o Guard
1	1	213316	Arm w/o Guard

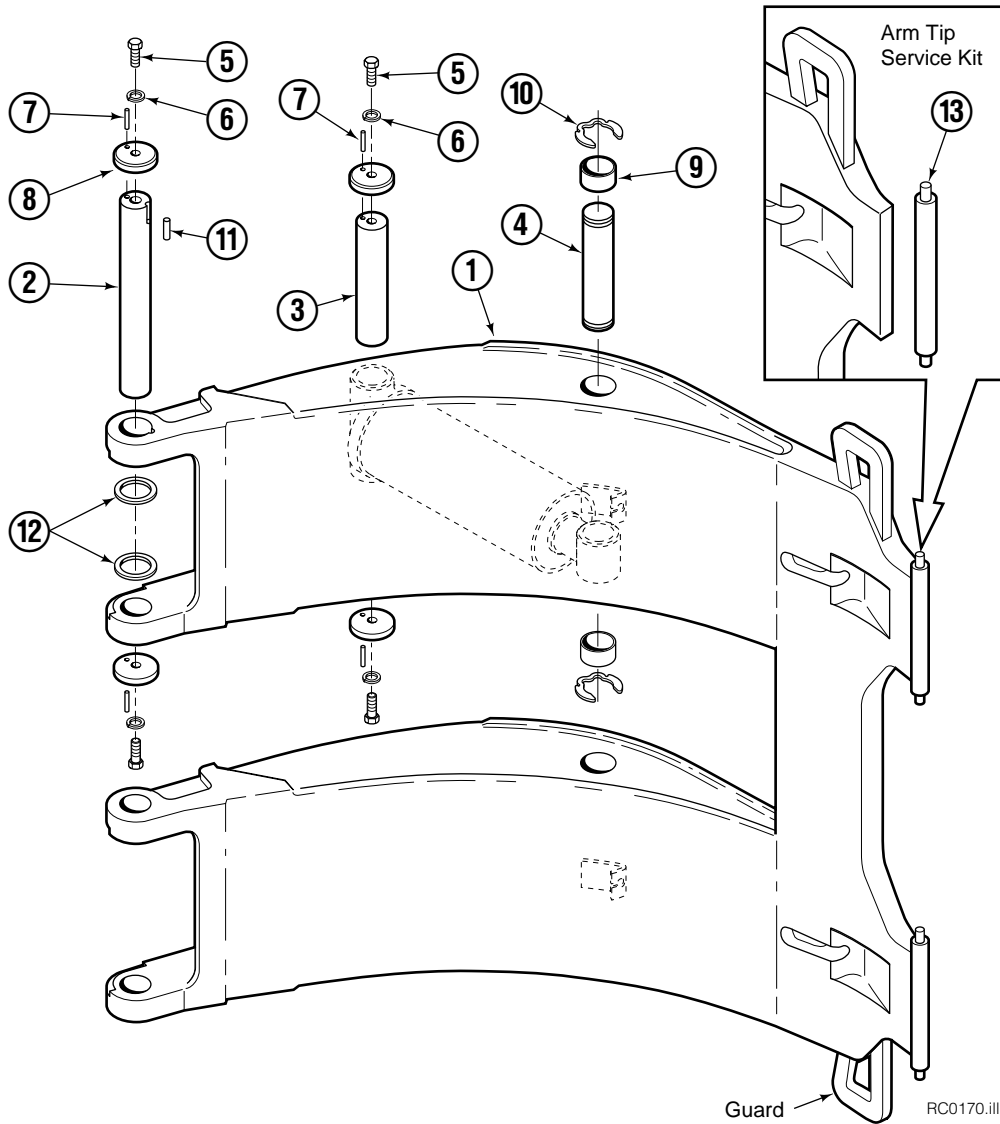
■ Maximum roll handling capacity.

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	51 in. ■	DESCRIPTION
		PART NO.	
		212409	Arm Group w/o Guard
1	1	213340	Arm w/o Guard

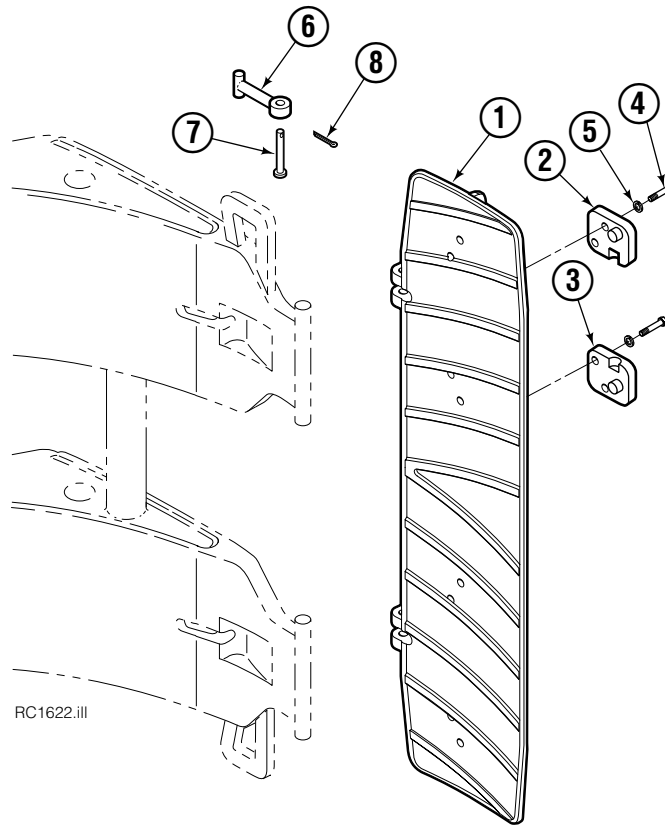
■ Maximum roll handling capacity.

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



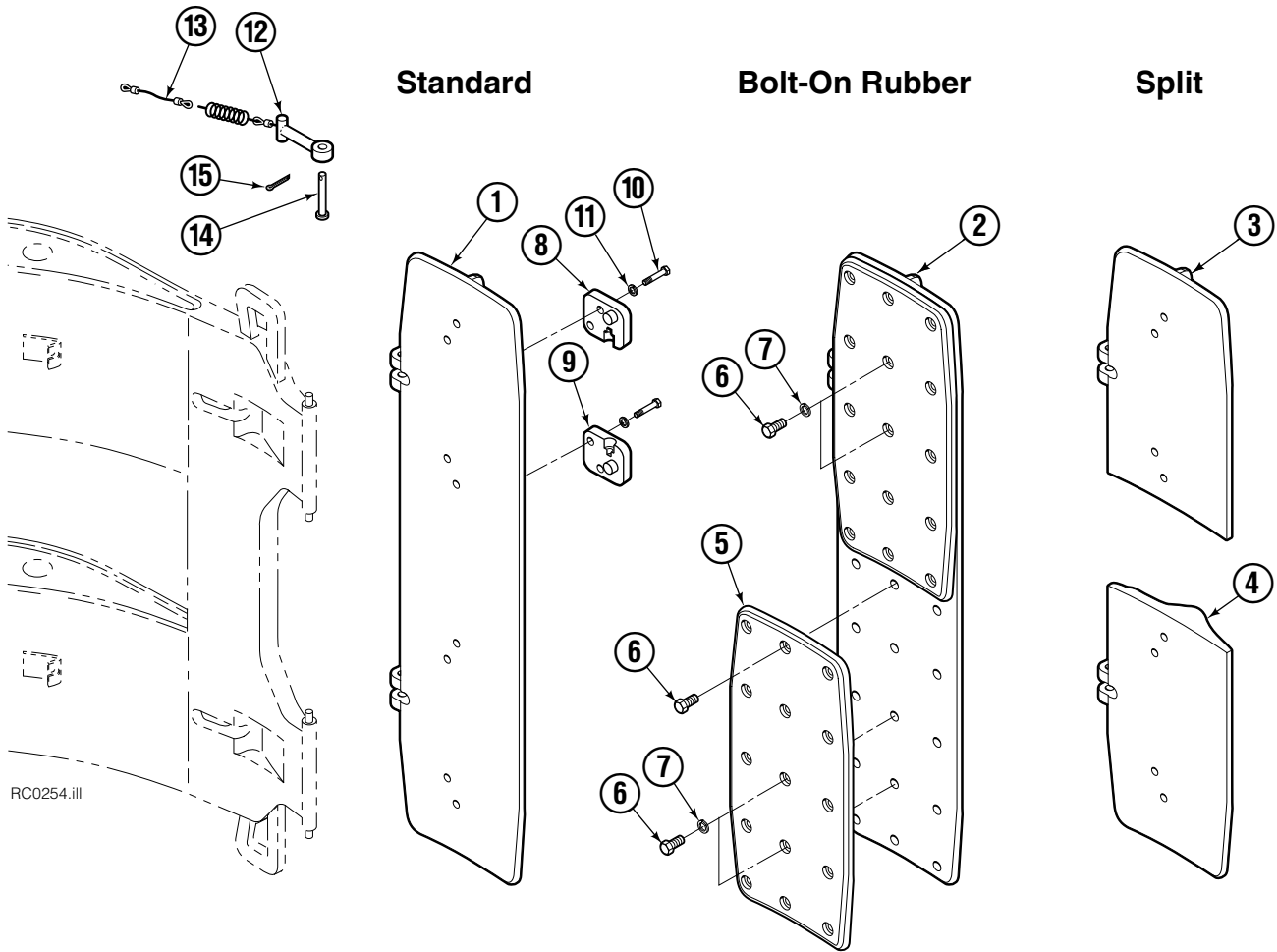
RC1622.ill

60G			
REF	QTY	PART NO.	DESCRIPTION
		209877	Standard Pad Group ▲
1	1	209893	Pad, Standard
2	2	209904	Retainer, R.H. ▲
3	2	209905	Retainer, L.H. ▲
4	8	767810	Capscrew, M12
5	8	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: Common Parts 212935 items 2 - 8. S-4176, S-4177.

Pad Groups – Long Arm



60G			
REF	QTY	51 in. ■	DESCRIPTION
		PART NO.	
		209876	Standard Pad Group
1	1	209893	Pad, Standard

▲ Driver's view, clamp in horizontal position, Long Arm up.

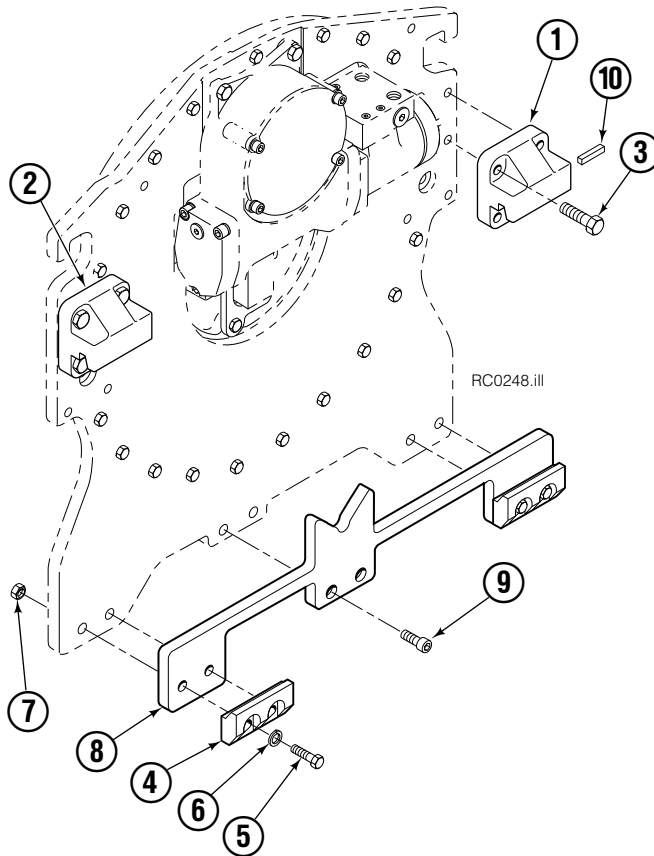
Common Parts

REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		212934	Common Parts Group – Long Arm		2	4182-40	Cable – 51 in. ■
8	2	211997	Retainer, R.H. ▲	13	2	4182-110	Cable – 60 in. ■
9	2	211998	Retainer, L.H. ▲		2	4182-245	Cable – 72 in. ■
10	8	763021	Capscrew, M12	14	2	674265	Clevis Pin
11	8	681473	Lockwasher, M12	15	2	6525	Cotter Pin
12	2	209916	Link Assembly				

▲ Driver's view, clamp in horizontal position, Long Arm up.

Reference: S-4176, S-4177.

Mounting Groups – 2°



60G Bolt-On Mounting			
REF	QTY	ITA III PART NO.	DESCRIPTION
		209926	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	675969	Lower Hook
5	4	678997	Capscrew, M16x2x70-8.8
6	4	667225	Washer, .625 in. I.D.
7	4	781534	Nut, M16x2
8	1	209936	Spacer
9	2	212146	Capscrew, M12x1,75x25-8.8
10	1	669344	Stop Kit

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

Cascade Corporation
2501 Sheridan Avenue
Springfield, OH 45505
Tel: 888-CASCADE (227-2233)
FAX: 888-329-0234

Cascade Canada Inc.
5570 Timberlea Blvd.
Mississauga, Ontario
Canada L4W-4M6
Tel: 905-629-7777
FAX: 905-629-7785

Cascade GmbH
Dahlener Strasse 570
41239 Mönchengladbach
Germany
Tel: 02166-68230
FAX: 02166-682323

Cascade Finland
A. Petreliuksenkatu 3
01370 Vantaa
Finland
Tel: 09-8361925
FAX: 09-8361935

**Cascade N.V.
Benelux Sales and Service**
Damsluisweg 56
PO Box 3009
1300 El Almere
The Netherlands
Tel: 036-5492950
FAX: 036-5492974

Cascade (UK) Ltd.
Unit 5, Eden Close
Hellaby Lane Ind. Estate
Heellaby,
Rotherham S66 8RW
England
Tel: 01709-704500
FAX: 01709-704501

**Sales Scotland
Macade Systems Ltd.**
18 Melford Road
Righead Ind. Estate
Bellshill ML4 3LR
Scotland
Tel: 01698-845777
FAX: 01698-845888

Cascade (Africa) Pty. Ltd.
PO Box 625, Isando 1600
60A Steel Road
Sparton, Kempton Park
South Africa
Tel: 975-9240
FAX: 394-1147

Cascade Scandinavia AB
Hammarvägen 10
PO Box 124
S-56723 Vaggeryd
Sweden
Tel: 039-336950
FAX: 039-336959

**Cascade France
S.A.R.L. MHP**
1D Rue De Charaintru
BP 18,
91360 Epinay-Sur-Orge
France
Tel: 01-6454-7500
FAX: 01-6454-7501

Cascade Hispania S.A.
Carrer 5, Sector C
Zona Franca Duanera
Poligono de la Zona Franca
08040 Barcelona
Spain
Tel: 93-264-07-30
FAX: 93-264-07-31

Sales Italy
Via Ponzano 11
50047 Prato
Italy
Tel: 0574-571726
FAX: 0574-571726
Mobile Phone: 0337-673029

**Sales Portugal FAG
Santos Lda**
Rua do Mercado
Lte 6, Loja 2-Tires
2785-630
S. Domingos De Rana
Portugal
Tel: 214-448-083
FAX: 214-458-098

**Sales Switzerland
Fahrzeugbedarf**
8810, Horgen
Switzerland
Tel: 01-7279797
FAX: 01-7279798

Sales Poland
Targowa 35/61
03-728 Warszawa
Tel: 022-619 00 49
FAX: 022-619 00 49
Mobile Phone: 0501-27 29 55

Sales Russia
EMCG Material Handling
Equipment
Moscow
Tel: 095-795-2400
FAX: 095-795-2475
Email: emcg@dol.ru

Cascade Japan Ltd.
5-5-41,
Torikai Kami
Settsu, Osaka
Japan, 566
Tel: 81-726-53-3490
FAX: 81-726-53-3497

Cascade Korea
108B Namdong Ind. Complex
658-3 Gojan-Dong
Namdong-Gu
Inchon, 405-310 Korea
Tel: 82-32-821-2051
FAX: 82-32-821-2055

Cascade Australia
1445 Ipswich Road
Rocklea, QLD 4106
Australia
Tel: 1-800227-223
FAX: (07) 3373-7333

Cascade New Zealand
15 Ra Ora Drive
East Tamaki, Auckland
New Zealand
Tel: 9-273-9136
FAX: 9-273-9137

Cascade-Xiamen
No. 668 Yangguang Rd.
Xinyang Industrial Zone
Haicang, Xiamen City
Fujian Province
P.R. China 361026
Tel: 86-592-651-2500
FAX: 86-592-651-2571

**Cascade (Singapore)
Trading Co.**
Four Seasons Park
Autumn Block - Apt. 1802
12 Cuscaden Walk
Singapore
Tel: 65-834-1935
FAX: 65-834-1936

