



Parts Manual

Model 60F Roll Clamp

Serial Number 60F-RCS-110

cascade[®]
corporation

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Internet: www.cascorp.com

Safety Decals

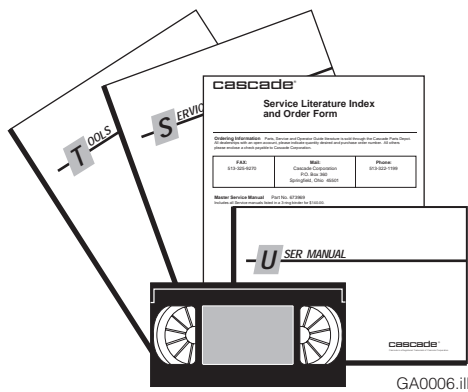


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Roll Clamp Safety Decals			
REF	QTY	PART NO.	DESCRIPTION
1	6	665595	No Hand Hold Decal
2	3	660269	Short Arm Rotation Position Decal
3	4	656038	Caution Decal
4	4	679150	No Step Decal
5	4	665677	Trapped Pressure Decal
6	1	679059	Quick-Change Hook Decal

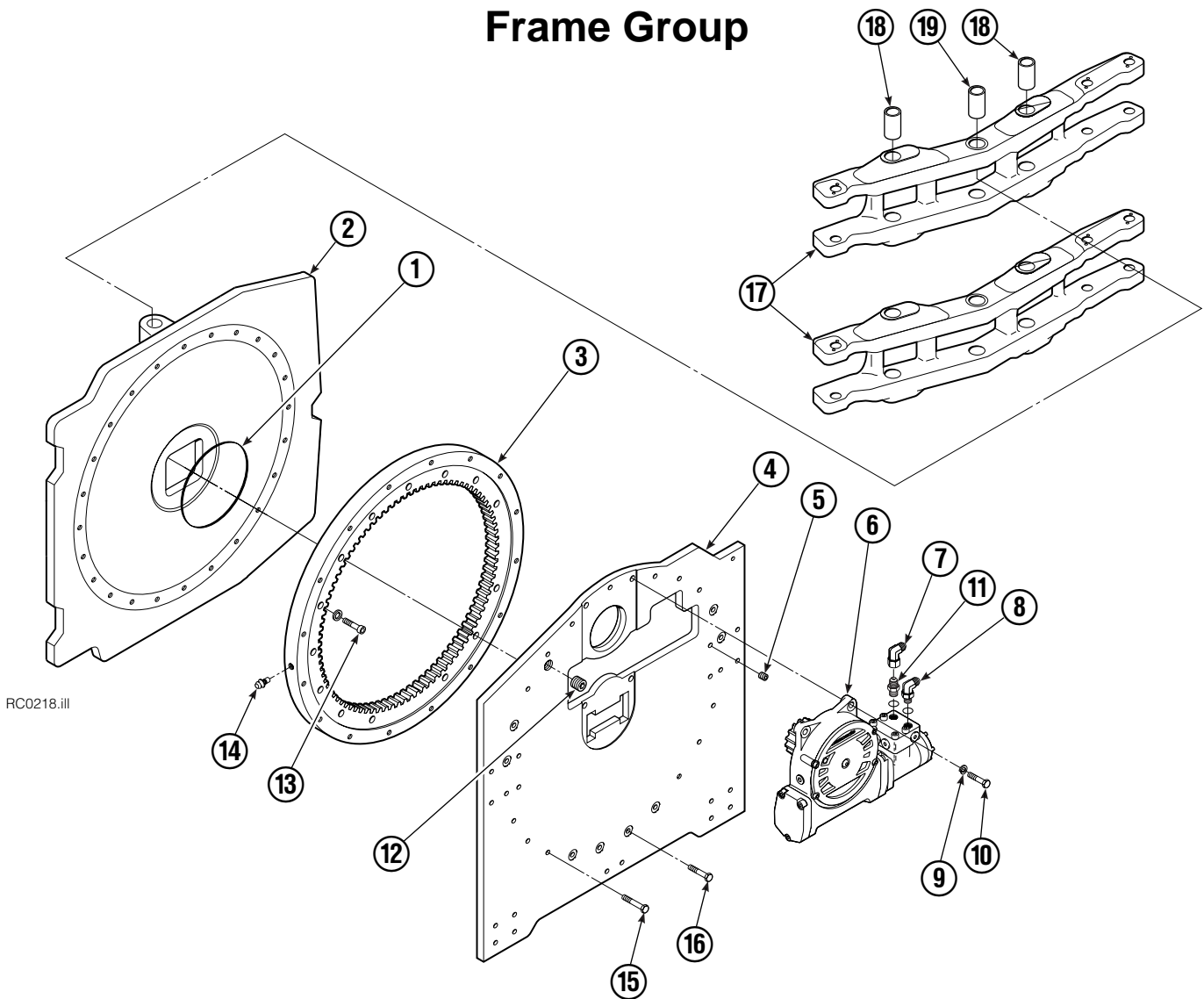
Publications



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Roll Clamp Publications	
674512	Service Manual
674509	Operator's Guide – Fixed Frame
676268	Operator's Guide – Swing Frame
674510	Installation Instructions – Fixed Frame
674511	Installation Instructions – Swing 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



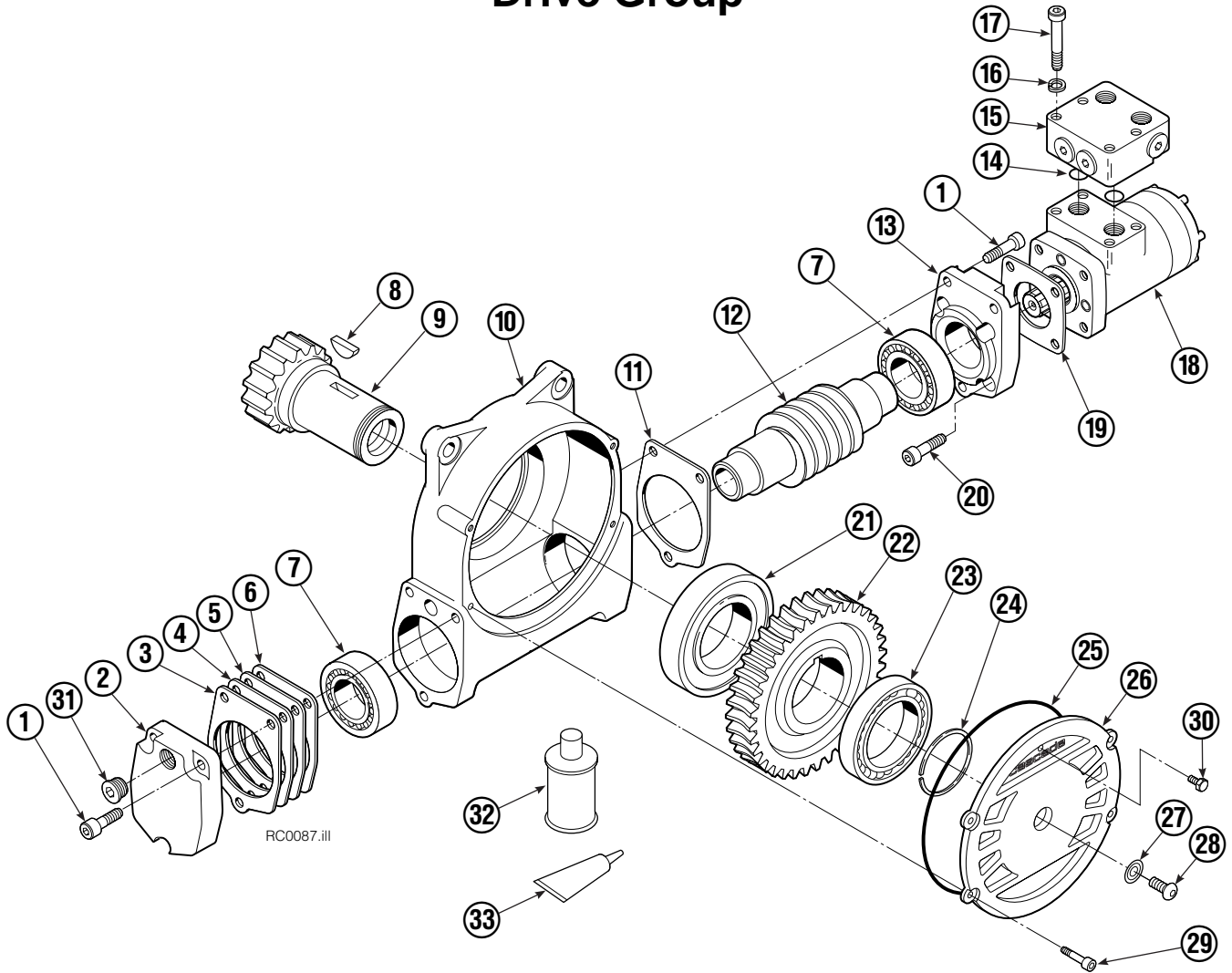
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60F			
REF	QTY	PART NO.	DESCRIPTION
		675913	Frame Group
1	1	670931	Seal
2	1	676002	Faceplate
3	1	672828	Bearing Assembly
4	1	676006	Baseplate
5	2	5006	Setscrew, .5 NC
6	1	675628	Drive Group ●
7	1	605761	Fitting, 8-8
8	1	601250	Fitting, 8-8
9	4	6290	Lockwasher, 1/2 ID
10	4	661742	Capscrew, .5 NC x 1.25 GR5
11	1	601377	Fitting, 8-8
12	1	6605	Plug
13	16	4506	Capscrew
14	1	7401	Grease Fitting
15	11	643539	Capscrew, .5 NC x 1.75 GR8
16	5	643538	Capscrew, .5 NC x 1.50 GR8
17	2	676333	Swing Frame ▼
18	8	676163	Bushing ▼
19	4	674843	Bushing ▼

● See Drive Group page for parts breakdown.

▼ Included in Swing Frame Group 675917.

Drive Group



REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		675628	Drive Group with Motor	19	1	670575	Gasket
	■	675631	Drive Group without Motor	20	4	4468	Capscrew, 3/8 NC x .75 GR8
1	6	607061	Capscrew	21	1	670580	Bearing
2	1	676855	Cover	22	1	675609	Worm Gear
3	●	674513	Shim – .005 in. (blue)	23	1	670581	Bearing
4	●	670574	Shim – .010 in. (brown)	24	1	7214	Snap Ring
5	●	671757	Shim – .015 in. (pink)	25	1	643423	Gasket
6	●	671758	Shim – .020 in. (yellow)	26	1	670567	Cover
7	1	670579	Bearing	27	1	603680	Seal
8	1	670582	Key	28	1	783608	Capscrew, M12 x 16
9	1	670506	Pinion	29	4	671535	Capscrew
10	1	670565	Housing	30	1	644010	Relief Fitting
11	1	686465	Gasket	31	1	604510	Fitting, 6
12	1	675608	Worm	32	1	656300	Gear Box Lube – 48 oz.
13	1	670570	Adapter	33	1	668184	Sealant
14	2	2705	O-Ring			670578	Shim Service Kit (items 3-6, 11, 33)
15	1	670549	Check Valve			675637	Shim Service Kit (items 21, 33)
16	4	6444	Lockwasher, 5/16			675638	Shim Service Kit (items 3-7)
17	4	607059	Capscrew, 5/16 NC			206394	Motor Kit (items 11,14,18,19,20,33)
18	1	206392	Drive Motor ▲				

- Includes all items except 15, 17 and 18.
- Quantity as required.
- ▲ See Drive Motor page for parts breakdown.

Reference: Common Parts Group 675627, SK-5032.

Drive Motor



REF	QTY	PART NO.	DESCRIPTION
		206392	Drive Motor
1	1	675478	Shaft
2	1	675477	Drive
3	1	675479	Spacer Plate
■ 4	1	675480	Gerotor Set (101-1768-007)
■ 4	1	685075	Gerotor Set (101-1768-009)
5	1	675482	End Cap
● 6	1	206405	Service Kit
■ 7	1	685089	Flange (101-1768-007)
■ 7	1	685090	Flange (101-1768-009)

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.

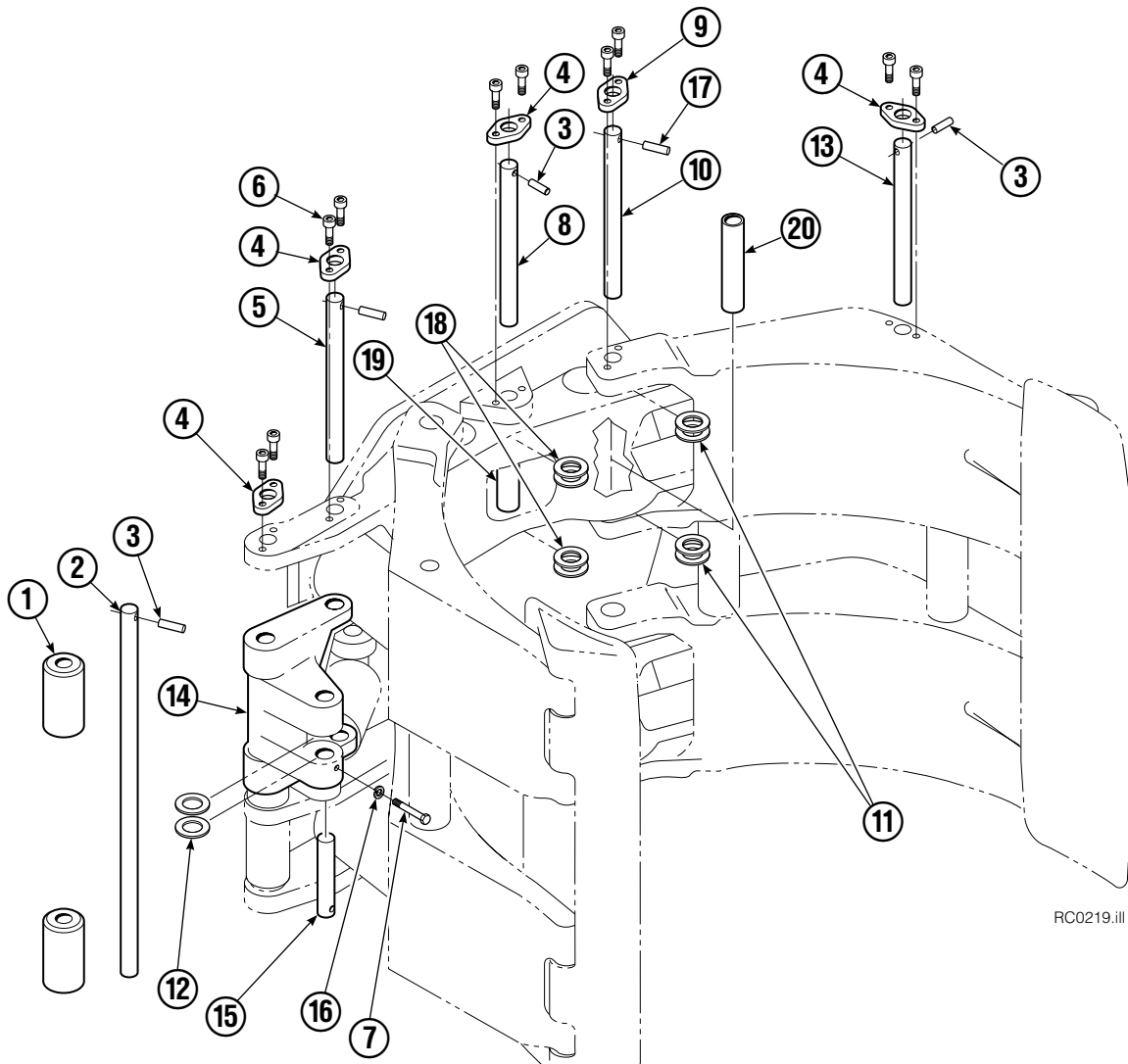
- See Nameplate under valve for correct part number of Gerotor Set and Flange.
- Compatible with water glycol based hydraulic fluids.

Check Valve



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

Common Components Group – Swing Frame

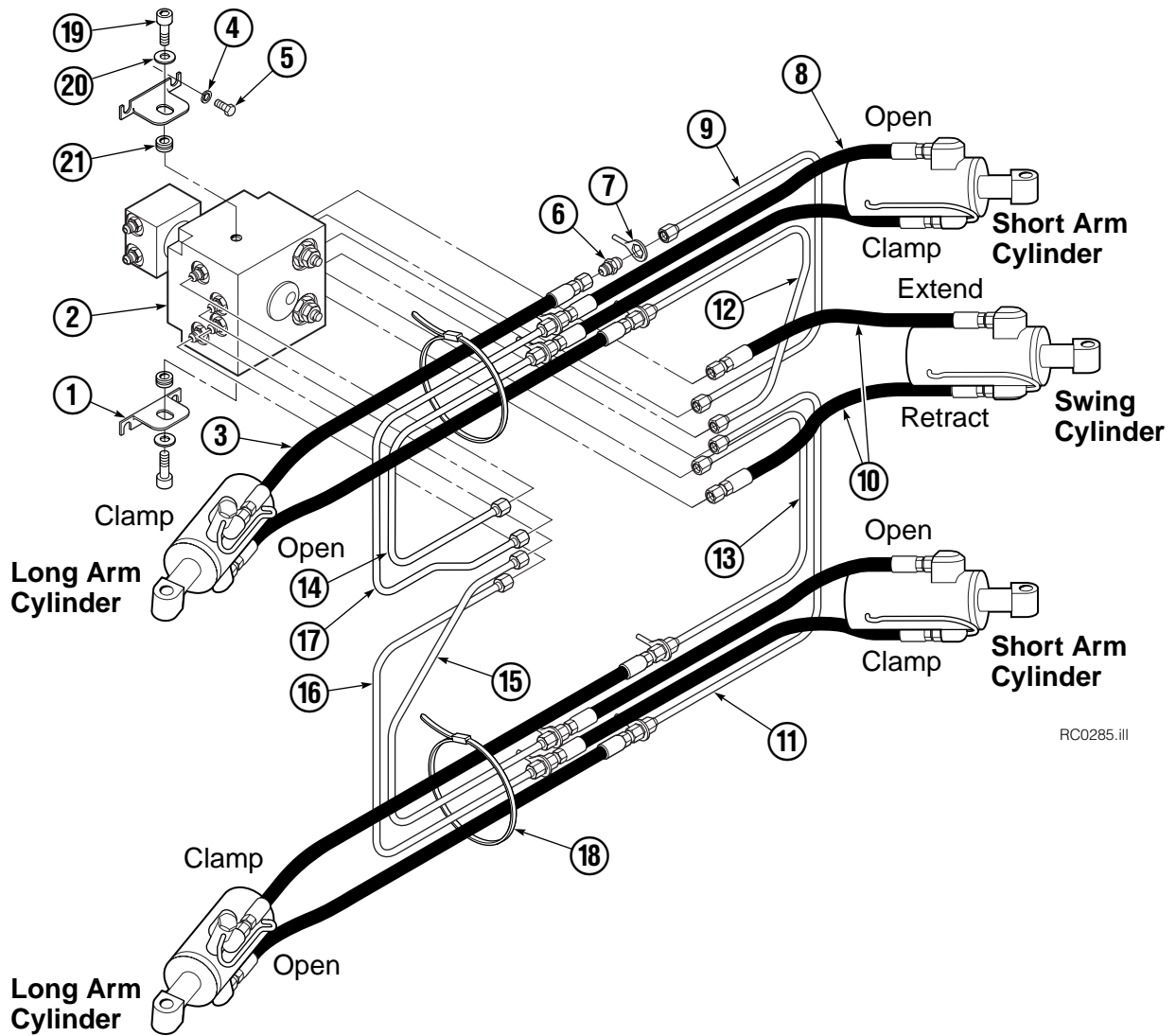


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REF	QTY	PART NO.	DESCRIPTION
		680636	Components Group
1	2	676043	Roller
2	1	676090	Pin
3	11	673385	Drive Pin
4	11	674828	Retainer
5	4	676088	Pin
6	30	4466	Capscrew, 3/8 NC x .50 GR8
7	2	643518	Capscrew, 5/16 NC x 2.25 GR8
8	2	674835	Pin
9	4	674829	Retainer
10	4	676091	Pin
11	16	674257	Shim
12	2	674837	Shim
13	4	680640	Pin
14	1	676000	Swing Casting
15	2	674836	Pin
16	2	6287	Lockwasher, 4/16 ID
17	4	674256	Drive Pin
18	20	660200	Shim
19	2	681668	Spacer
20	4	681670	Spacer

Swing Frame Hosing Group

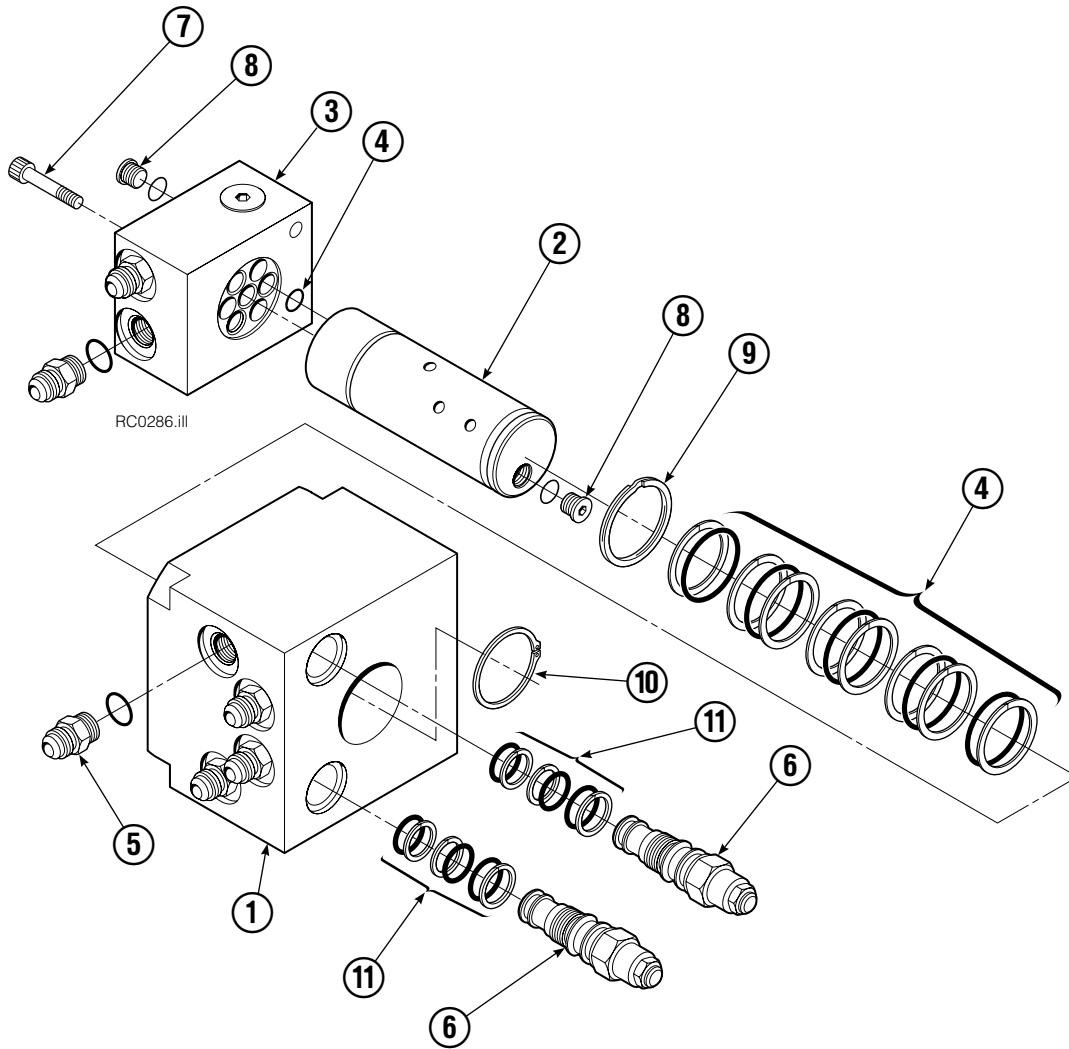


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REF	QTY	PART NO.	DESCRIPTION
		202121	Hosing Group
1	2	206606	Angle
● 2	1	208797	Revolving Connection
3	4	675955	Hose
4	4	6288	Lockwasher, 3/8"
5	4	3600	Capscrew, 3/8 NC x .62
6	8	2347	Fitting, 6-6
7	8	674743	Eye Bolt
8	4	676085	Hose
9	1	676059	Tube
10	2	676084	Hose
11	1	676061	Tube
12	1	676058	Tube
13	1	676060	Tube
14	1	676054	Tube
15	1	676056	Tube
16	1	676057	Tube
17	1	676055	Tube
18	2	649086	Cable Tie
19	2	665992	Shoulder Bolt
20	2	209021	Washer
21	2	208765	Grommet

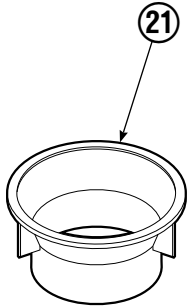
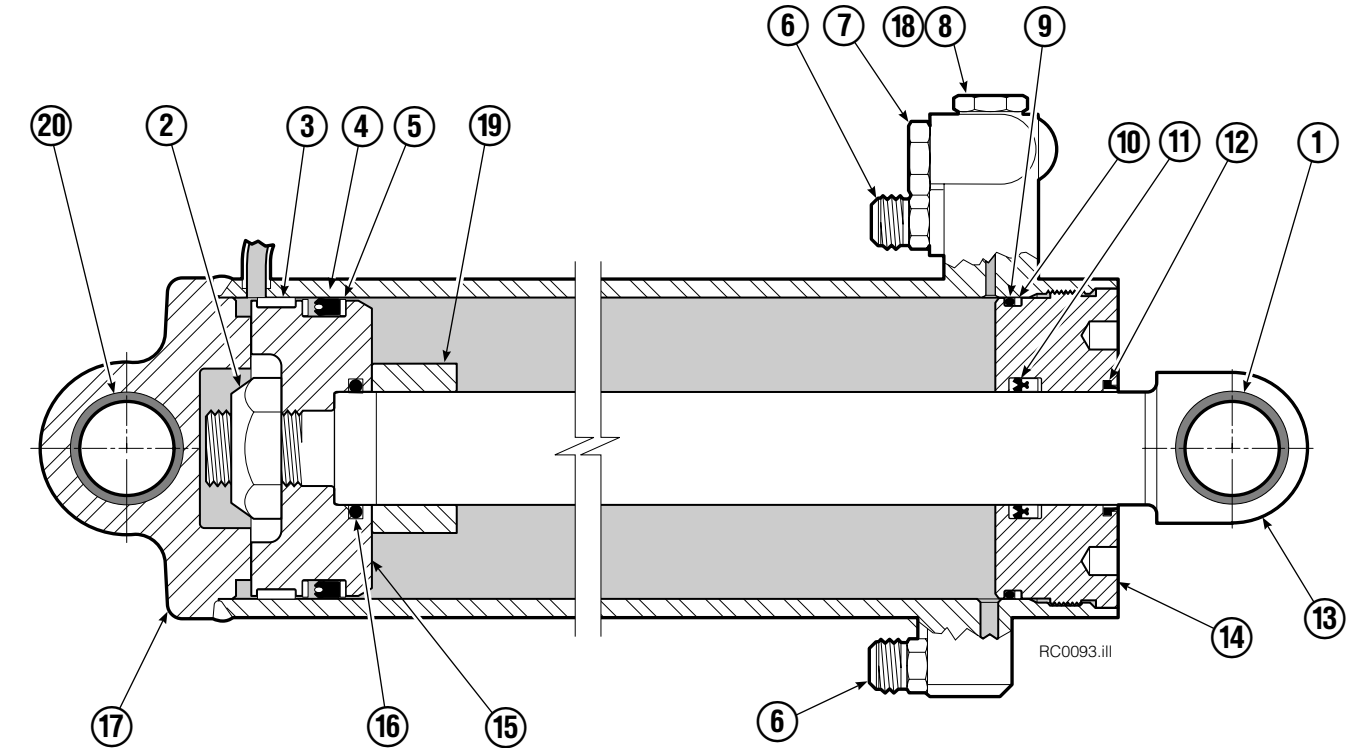
● See Revolving Connection page for replacement parts breakdown

Swing Frame Revolving Connection



60F			
REF	QTY	PART NO.	DESCRIPTION
		208797	Revolving Connection
1	1	207443	Body
2	1	680449	Shaft
3	1	680450	End Block
4	1	674777	Service Kit
5	14	604511	Fitting, 6-6
6	2	674732	Counterbalance Valve
7	3	768800	Capscrew, M8 x 1.25 x 45-8.8
8	5	663694	Fitting, 3
9	1	7341	Snap Ring
10	1	3138	Snap Ring
11	1	667516	Servive Kit

Long Arm Cylinder

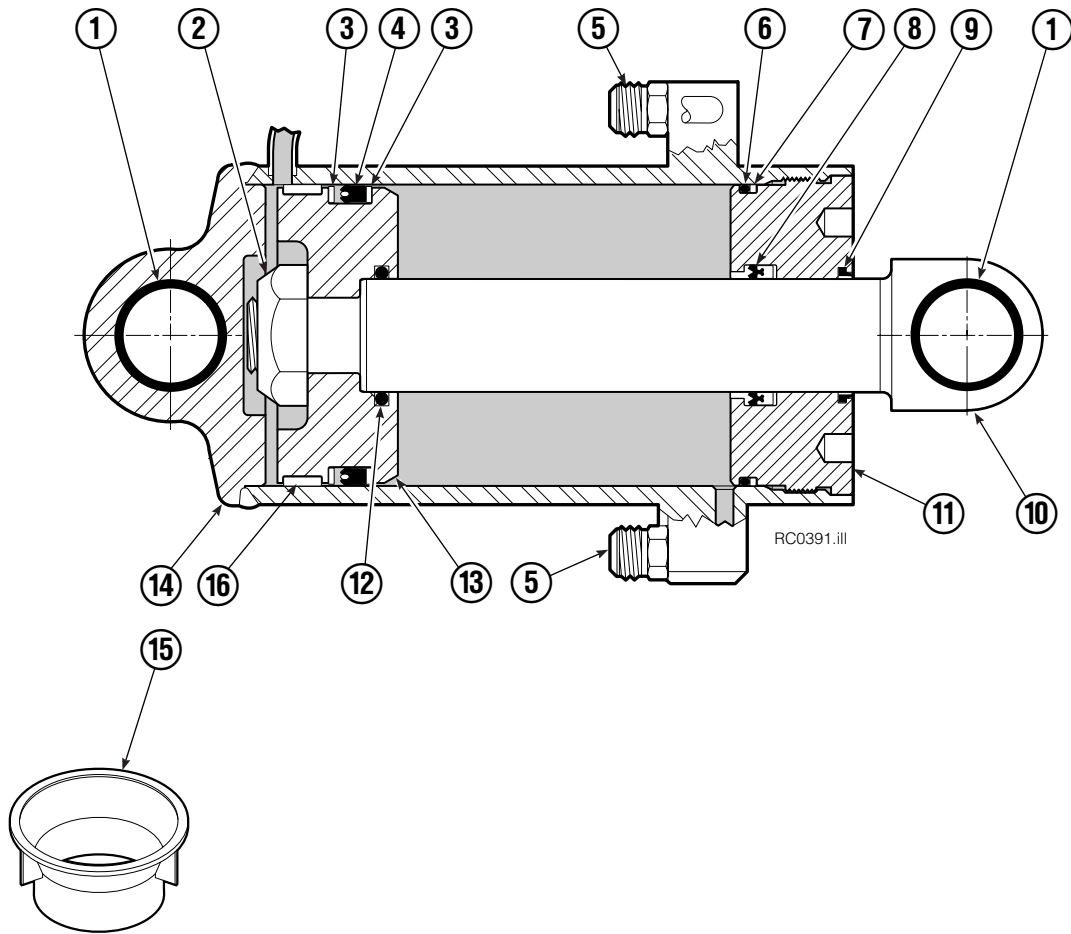


REF	QTY	PART NO.	DESCRIPTION
		557381	Cylinder Assembly
1	1	674843	Bearing
2	1	667990	Nut
3	1	660769	Bearing ♦
4	1	557446	Seal ♦
5	2	638295	Back-Up Ring ♦
6	2	604511	Fitting, 6-6
7	1	556852	Fitting, 4
8	1	557212	Check Valve
9	1	2801	O-Ring ♦
10	1	615144	Back-Up Ring ♦
11	1	554598	Seal ♦
12	1	628047	Wiper ♦
13	1	557400	Rod
14	1	555724	Retainer
15	1	557389	Piston
16	1	2722	O-Ring ♦
17	1	556828	Shell
18	1	667516	Check Valve Service Kit
19	1	—	Spacer
20	2	674843	Bearing
21	1	672910	Seal Loader
		555725	Service Kit

♦ Included in Service Kit 555225.

Reference: S-5320.

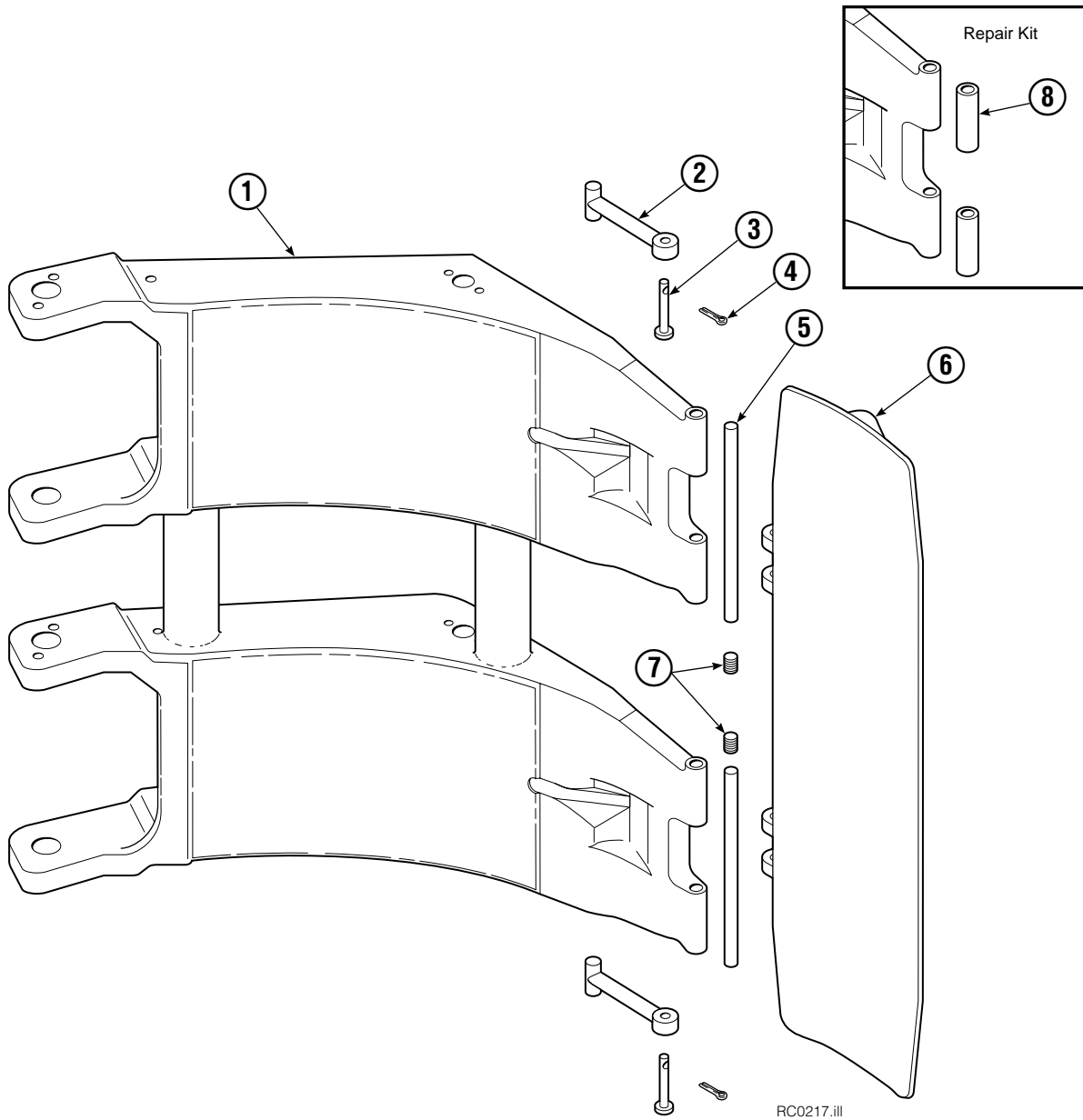
Swing Cylinder



REF	QTY	PART NO.	DESCRIPTION
		580100	Cylinder Assembly
1	3	674840	Bearing
2	1	561997	Nut
3	2	638293	◆ Back-Up Ring
4	1	557445	◆ Seal
5	2	604511	Fitting, 6-6
6	1	2797	◆ O-Ring
7	1	615140	◆ Back-Up Ring
8	1	554598	◆ Seal
9	1	564930	◆ Wiper
10	1	558069	Rod
11	1	555207	Retainer
12	1	2722	◆ O-Ring
13	1	558068	Piston
14	1	556429	Shell
15	1	669235	◆ Seal Loader
		555208	Service Kit

◆ Included in Service Kit 555208.

Short Arm

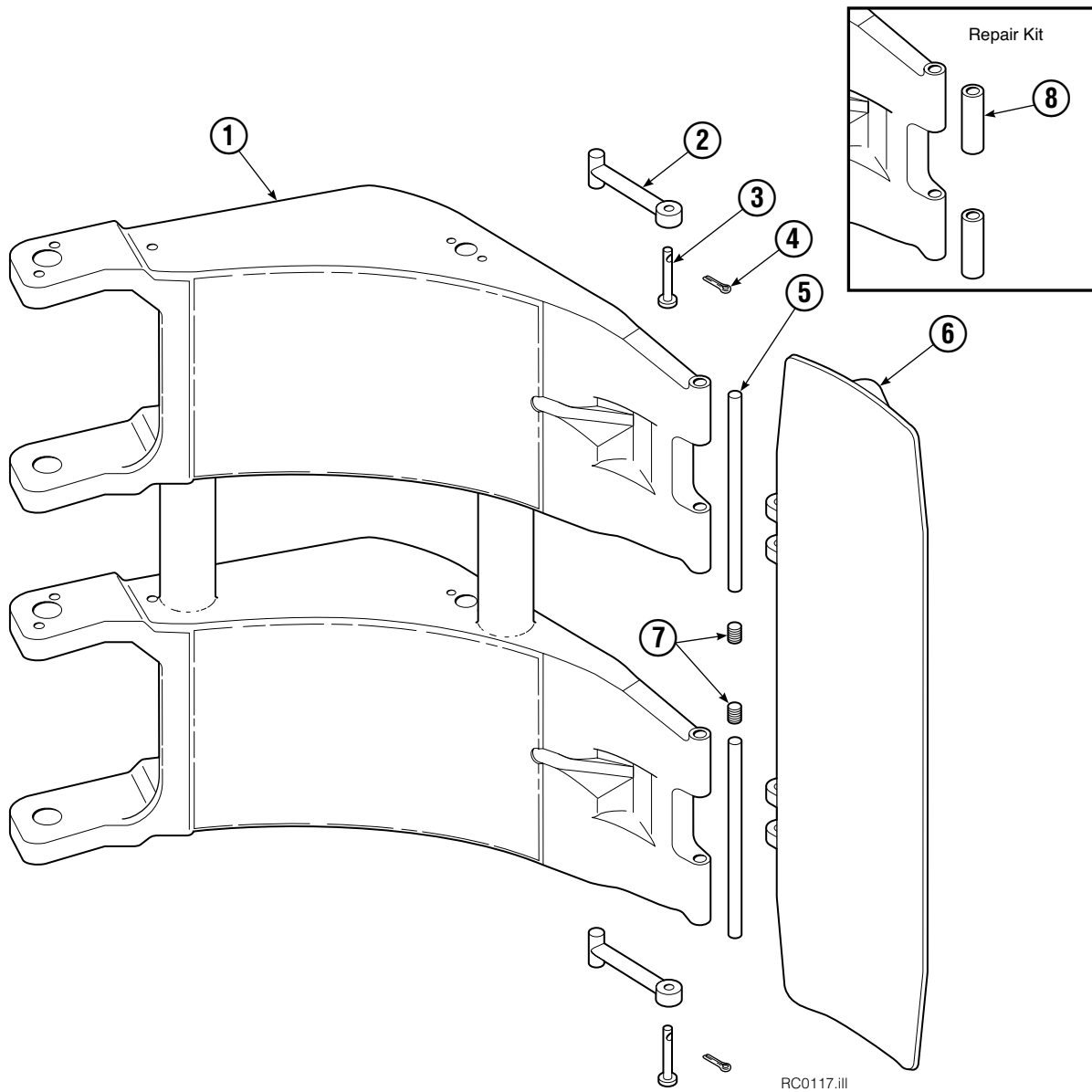


60F			
REF	QTY	PART NO.	DESCRIPTION
		675924	Contact Pad Group ■
1	1	675977	Short Arm
2	2	674700	Link
3	2	674265	Clevis Pin
4	2	6525	Cotter Pin
5	2	674701	Pin
6	1	675992	Contact Pad
7	2	604510	Plug
8	1	674928	Arm Tip Repair Kit

■ Includes items 2 thru 7.

Reference: SK-5042.

Long Arm

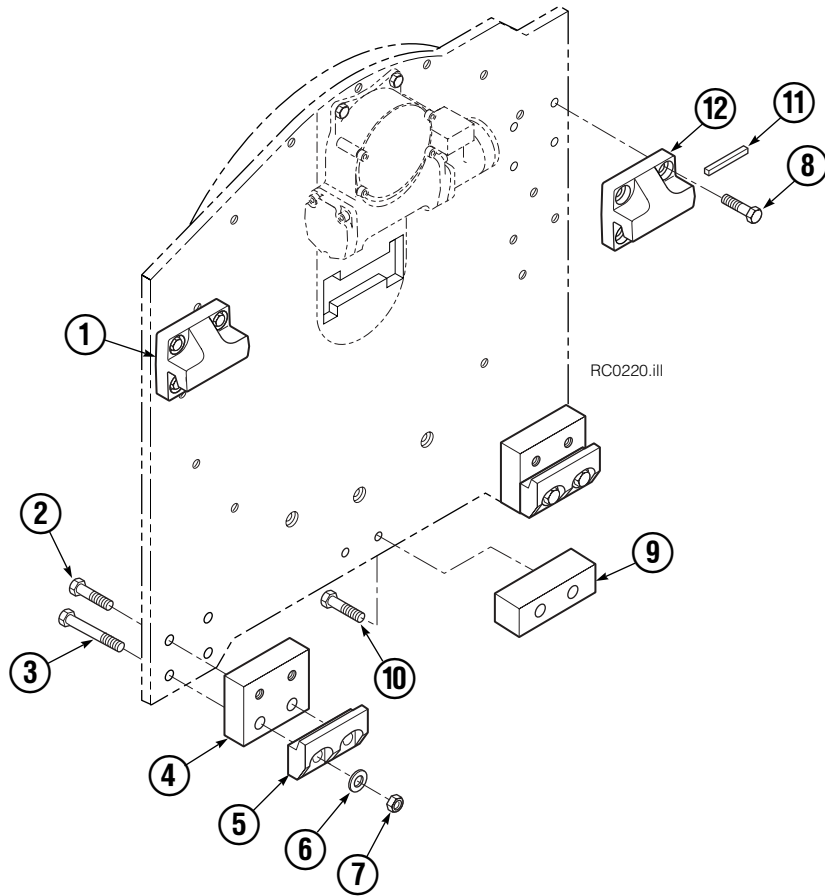


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60F			
REF	QTY	PART NO.	DESCRIPTION
		207403	Contact Pad Group ■
1	1	680472	Long Arm
2	2	674700	Link
3	2	674265	Clevis Pin
4	2	6525	Cotter Pin
5	2	674701	Pin
6	1	206622	Contact Pad
7	2	604510	Plug
8	1	674928	Arm Tip Repair Kit

■ Includes items 2 through 7 only.

Bolt-On Mounting Group



Class III, 2°

REF	QTY	PART NO	DESCRIPTION
		343550	Mounting Group
1	1	674024	Upper Hook - L.H.
2	4	639121	Capscrew, 5/8 NC x 1.50 GR5
3	4	640299	Capscrew, 5/8 NC x 3.50 GR5
4	2	343548	Spacer
5	2	675969	Lower Hook
6	4	667225	Washer
7	4	676281	Nut, 5/8 NC GR5
8	8	667369	Capscrew, 5/8 NC x 1.25 GR5
9	1	343549	Center Spacer
10	2	639121	Capscrew, 5/8 NC x 1.50 GR5
11	1	669334	Stop Kit
12	1	674025	Upper Hook - R.H.

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

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