



Parts Manual

Model 90F-RC-03C Roll Clamp

Serial Number 215029

cascade[®]
corporation

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

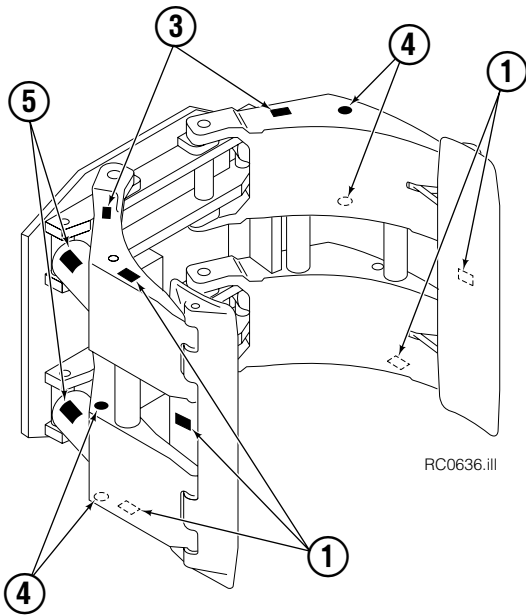
To Order Parts call: 888-227-2233, Fax: 888-329-0234

OR

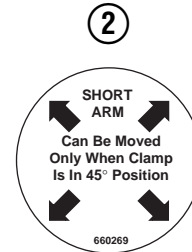
Write: Cascade Corporation, P.O. Box 20187, Portland, OR 97220

Internet: www.cascorp.com

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

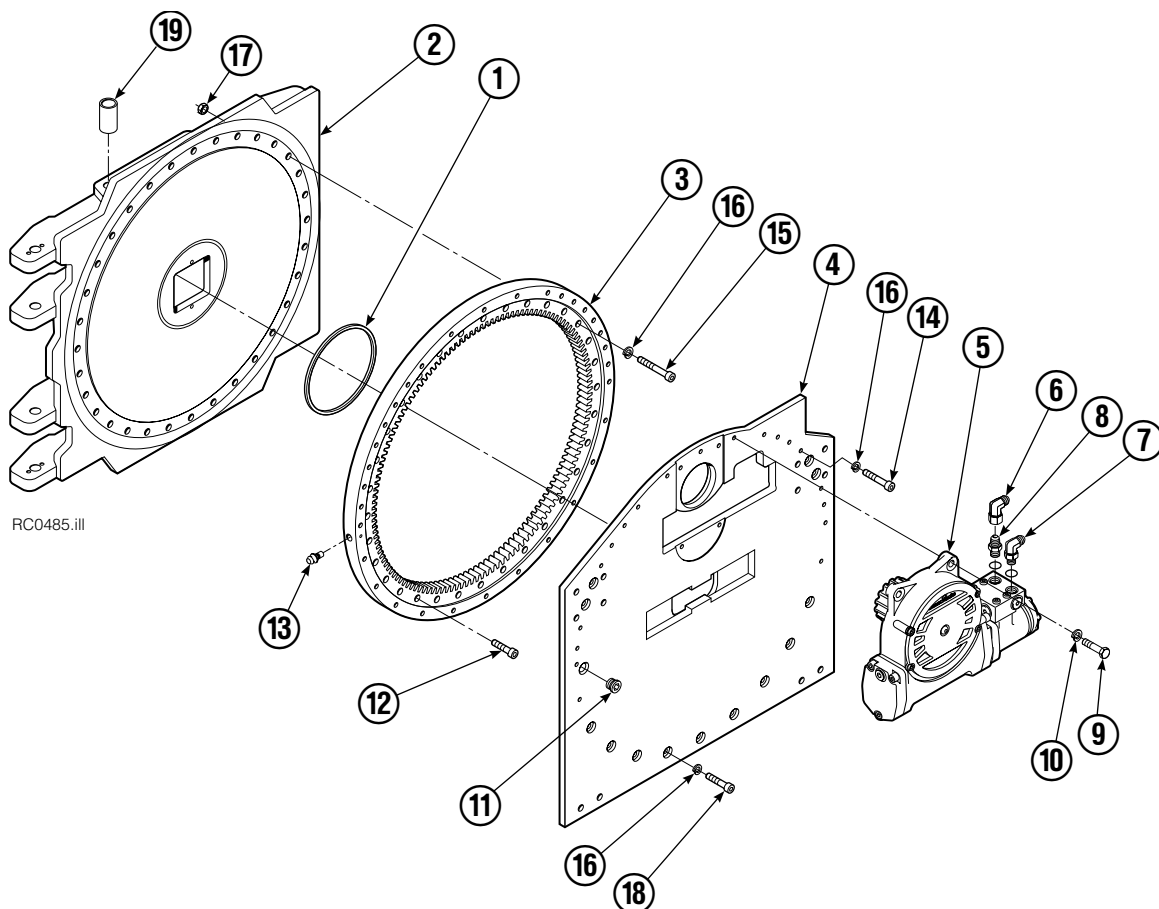
Publications



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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



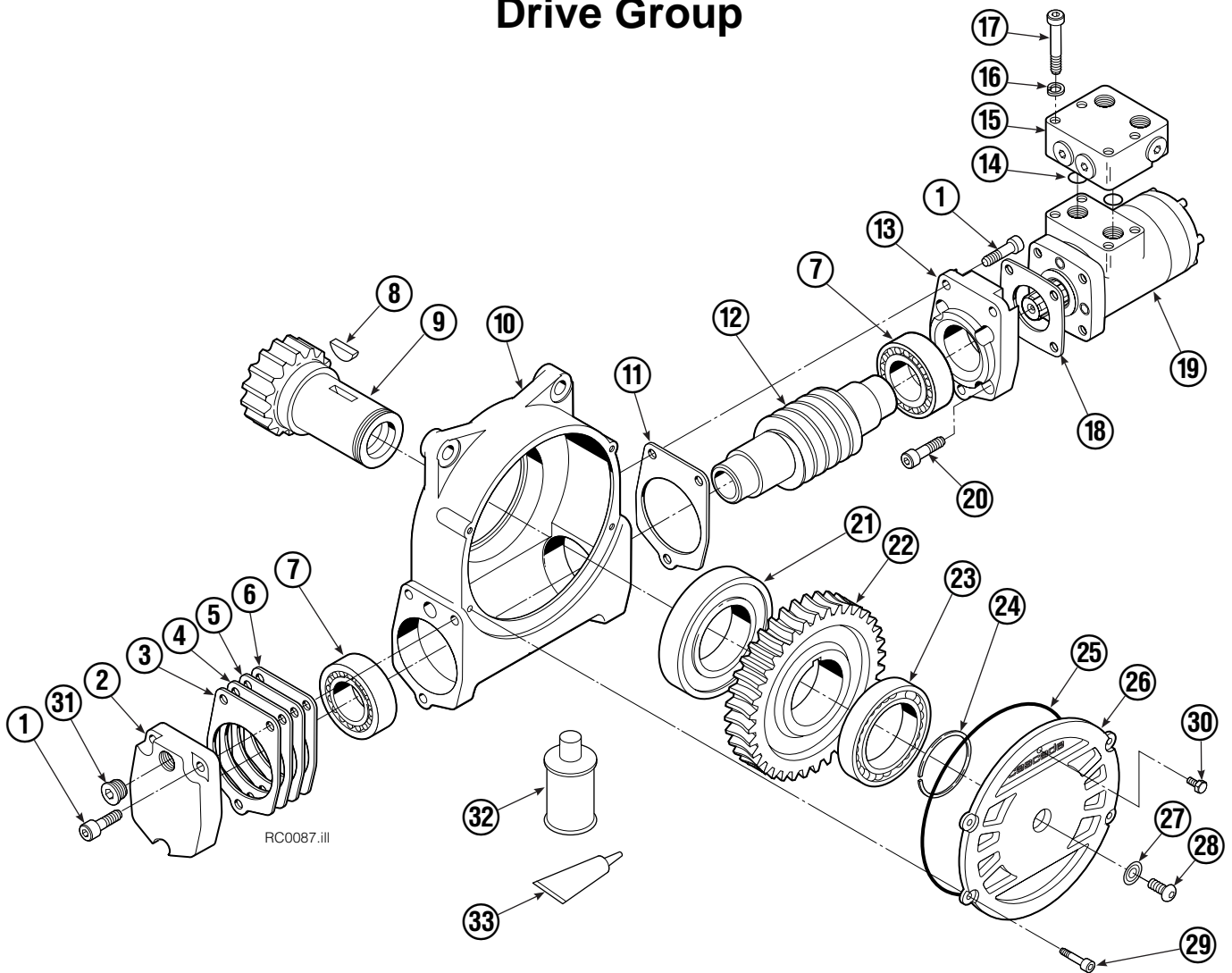
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90F			
REF	QTY	PART NO.	DESCRIPTION
		214490	Frame Group
1	1	670931	Seal
2	1	214491	Faceplate
3	1	214481	Bearing Assembly
4	1	214484	Baseplate
5	1	675639	Drive Group ▲
6	1	605761	Fitting, 8-8
7	1	601250	Fitting, 8-8
8	1	601377	Fitting, 8-8
9	4	763021	Capscrew, M12 x 30
10	4	6290	Lockwasher, 1/2
11	1	664071	Plug
12	22	753221	Capscrew, M12 x 50
13	1	7401	Grease Fitting
14	19	213633	Capscrew, M12 x 55
15	10	768831	Capscrew, M12 x 70
16	42	681473	Washer, M12
17	10	763025	Nut, M12
18	13	206174	Capscrew, M12 x 45
19	8	675007	Bushing

▲ See Drive Group page for parts breakdown.

Reference: Common Parts Group 214488, SK-6189.

Drive Group



REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
	■	675639	Drive Group with Motor	19	1	206392	Drive Motor ▲
	■	675633	Drive Group without Motor	20	4	4468	Capscrew, 3/8 NC x .75 GR8
1	6	769570	Capscrew, M12 x 25	21	1	670580	Bearing
2	1	676855	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	643423	O-Ring
6	●	671758	Shim - .020" (yellow)	26	1	775552	Cover
7	2	670579	Bearing	27	1	603680	Seal
8	1	670582	Key	28	1	783608	Capscrew, 3/8 NC x .50 GR8
9	1	670556	Pinion	29	4	200882	Capscrew, M12 x 20
10	1	775551	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	775553	Adapter	33	1	668184	Sealant
14	2	2705	Seal	34		670578	Shim Service Kit (items 3-6,11,25 & 33)
15	1	670549	Check Valve			675637	Bearing Service Kit (items 21 & 34)
16	4	6444	Lockwasher			675638	Bearing Service Kit (items 7 & 34)
17	4	607059	Capscrew, 5/16 NC			206394	Motor Kit (items 11,14,18,19 & 33)
18	1	670575	Gasket				

■ Includes all items except 14,15,17 and 18.

● Quantity as required.

▲ See Drive Motor page for parts breakdown.

Reference: 675639 (Common Parts 675627, SK-5032.)

675633 (Sub Assy 220335, Common Parts 795490, SKN-5527)

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

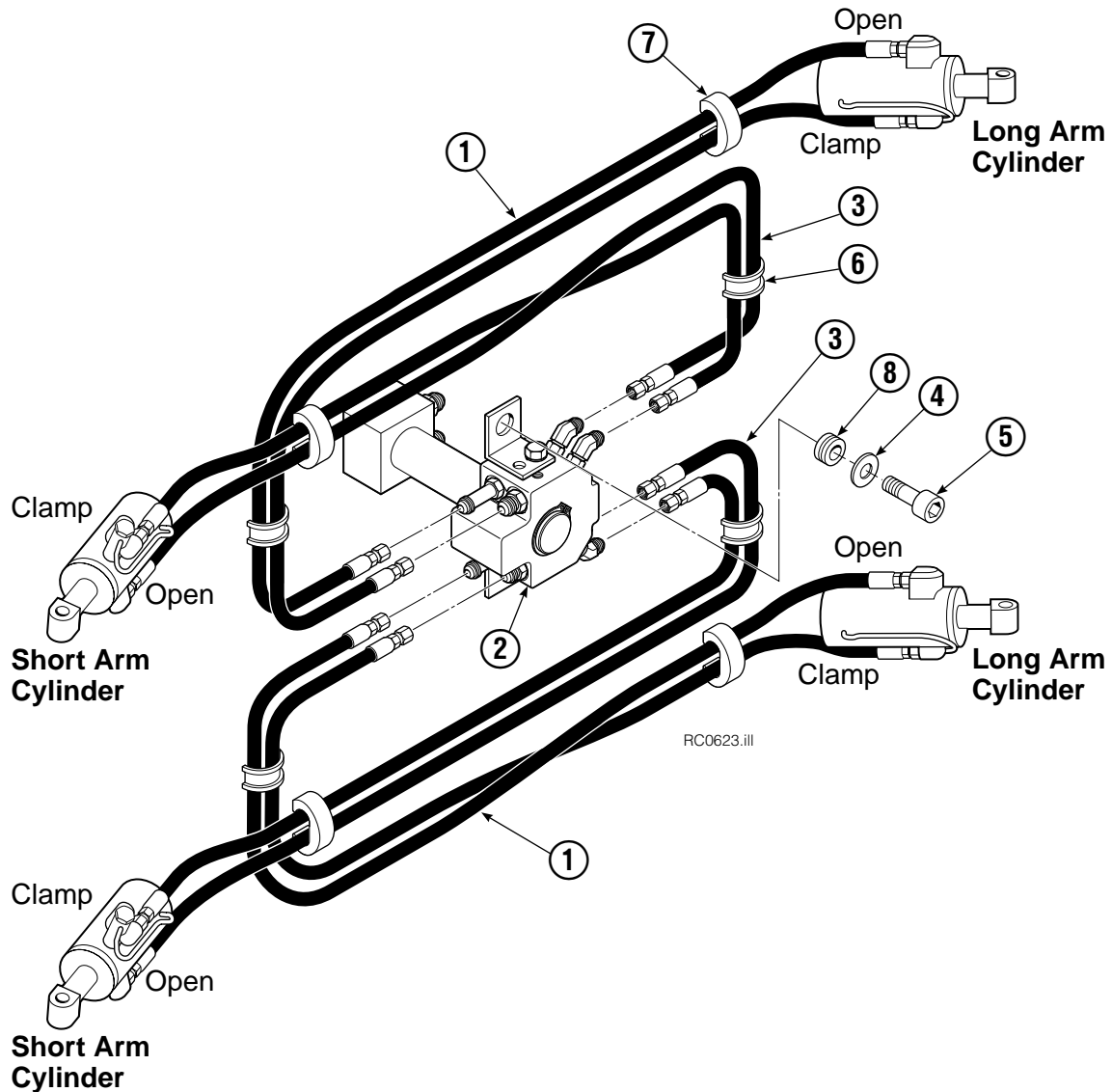


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90F			
REF	QTY	PART NO.	DESCRIPTION
		206686	Components Group
1	8	660200	Shim
2	24	768809	Capscrew, M8 x 16-8.8
3	8	206589	Retainer
4	8	680651	Pin
5	8	673385	Drive Pin
6	4	206591	Retainer
7	4	675022	Pin
8	4	681673	Spacer
9	16	673379	Shim
10	4	675086	Drive Pin

Reference: SK-5314, SK-5315.

Hosing Group Positioned Short arm

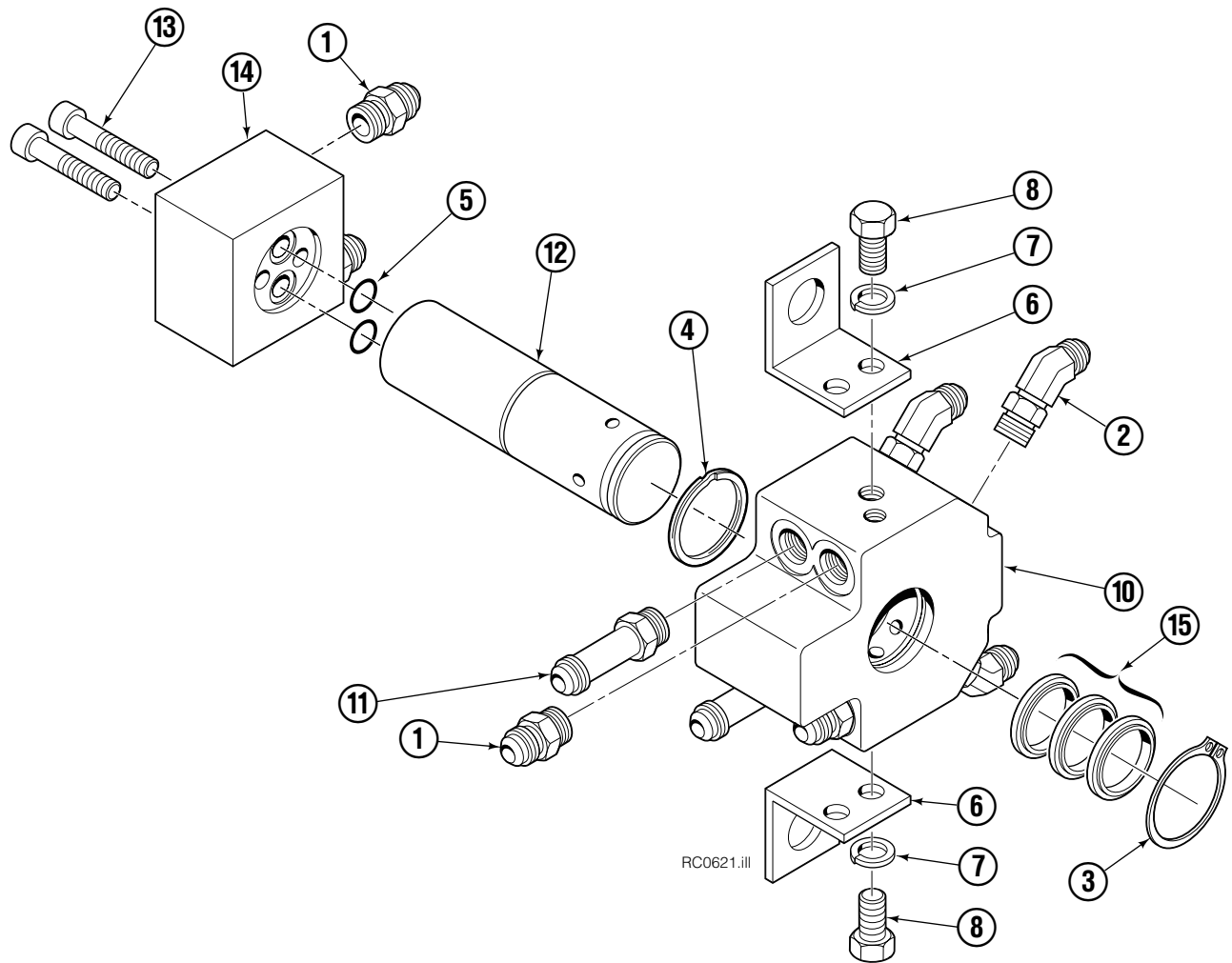


90F			
REF	QTY	PART NO.	DESCRIPTION
		681280	Hosing Group
1	4	214567	Hose, 65 in.
2	1	222681	Revolving Connection ▲
3	4	214565	Hose, 58.75 in.
4	2	209019	Washer
5	2	212088	Shoulder Bolt
6	4	680114	Insert
7	4	673417	Segment
8	2	208764	Grommet

▲ See Revolving Connection page for parts breakdown.

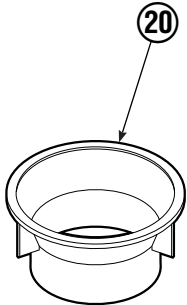
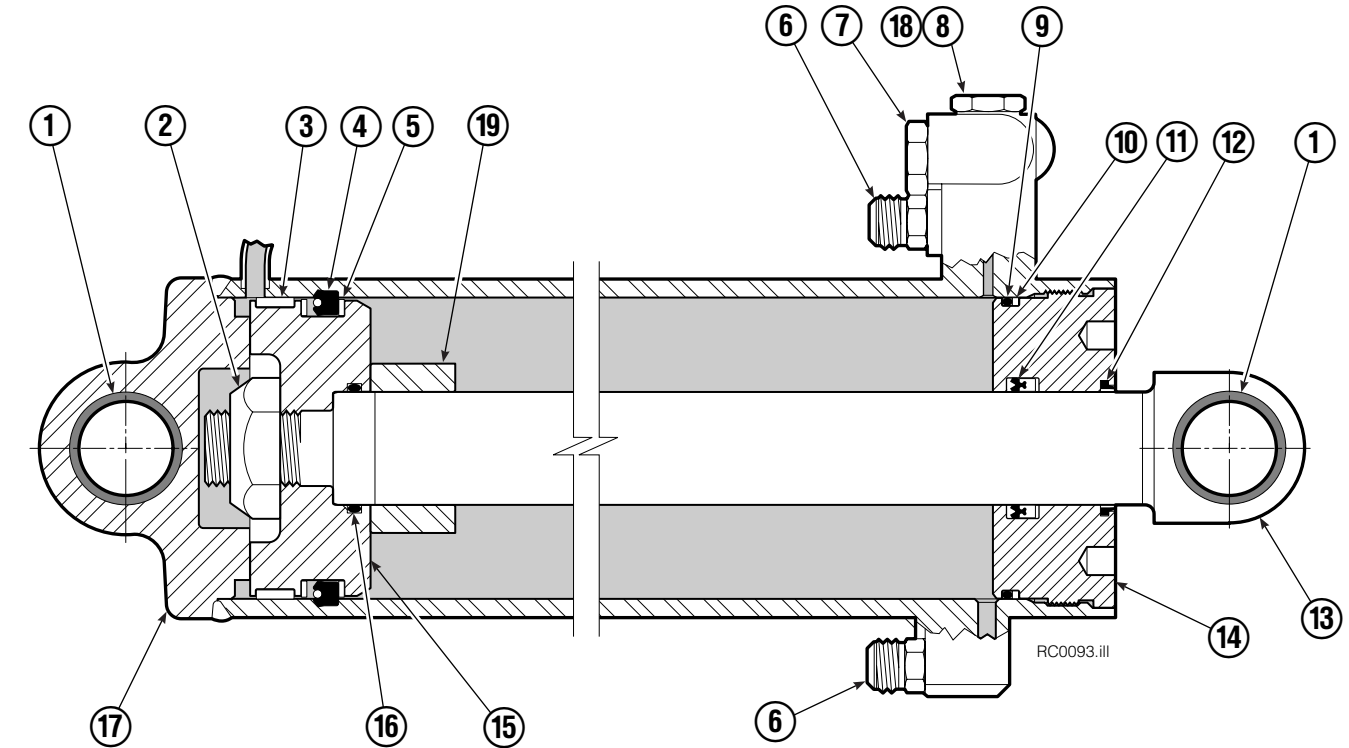
Reference: Common Parts Group 208783, SK-6020.

Revolving Connection Positioned Short Arm



90F			
REF	QTY	PART NO.	DESCRIPTION
		222681	Revolving Connection
1	4	604511	Fitting, 6-6
2	4	611302	Fitting, 6-6
3	1	3138	Snap Ring
4	1	7341	Snap Ring
5	2	564448	O-Ring
6	2	222675	Bracket
7	2	681238	Lockwasher, M10
8	2	212632	Capscrew, M10 x 20
9	1	222671	Body
10	2	605743	Fitting Adapter
11	3	214649	Seal
12	1	222674	Shaft
13	1	222684	End Block
14	2	768798	Capscrew, M8 x 45
		222694	Service Kit

Short Arm Cylinder

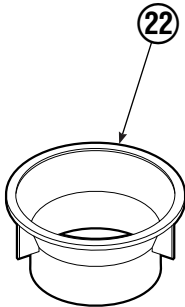
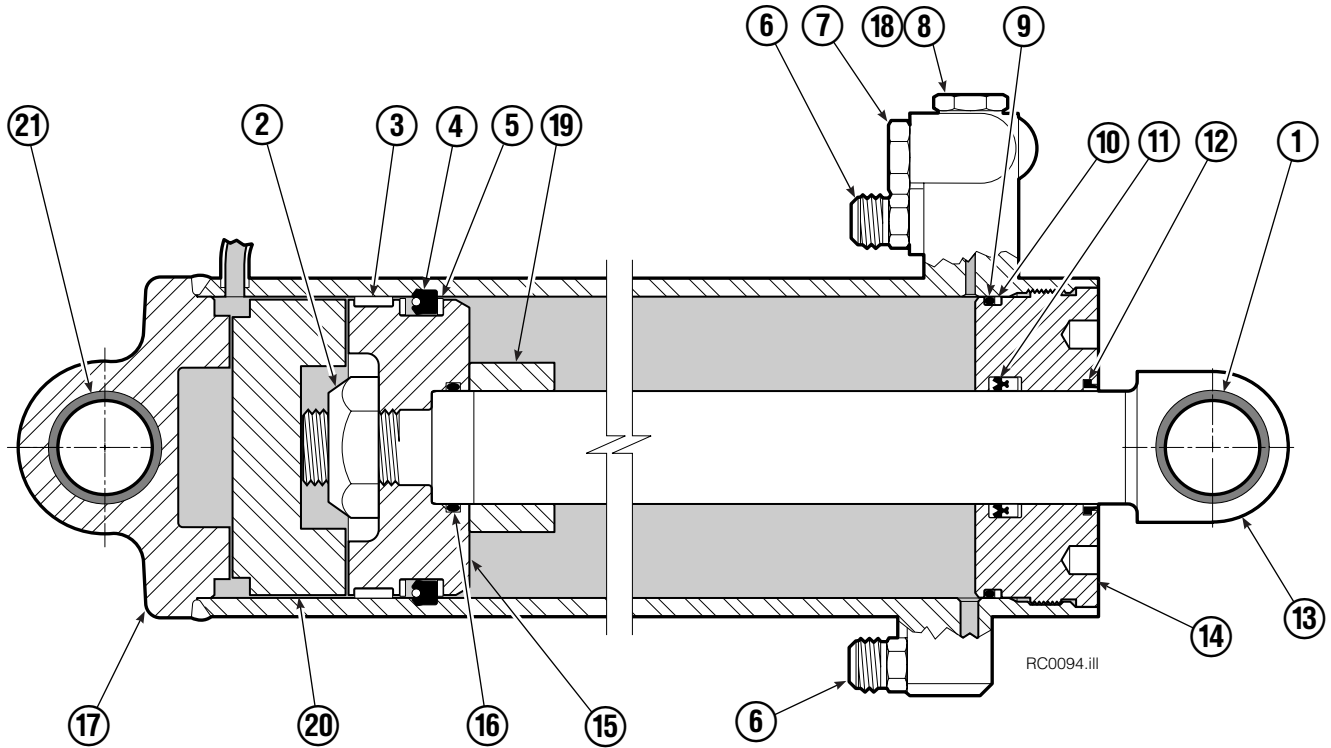


REF	QTY	PART NO.	DESCRIPTION
		557363	Cylinder Assembly
1	3	674843	Bearing
2	1	560997	Nut
3	1	674843	Bearing ♦
4	1	662462	Seal ♦
5	2	638295	Back-Up Ring ♦
6	2	604511	Fitting, 6-6
7	1	556852	Fitting, 4
8	1	557212	Check Valve
9	1	2801	O-Ring ♦
10	1	562731	Back-Up Ring ♦
11	1	554598	Seal ♦
12	1	628047	Wiper ♦
13	1	555393	Rod
14	1	555724	Retainer
15	1	557389	Piston
16	1	2722	O-Ring ♦
17	1	555741	Shell
18	1	667516	Check Valve Service Kit
19	1	-	Spacer
20	1	669243	Seal Loader
		555725	Service Kit

♦ Included in Service Kit 555725.

Reference: S-5313, S-5314.

Long Arm Cylinder

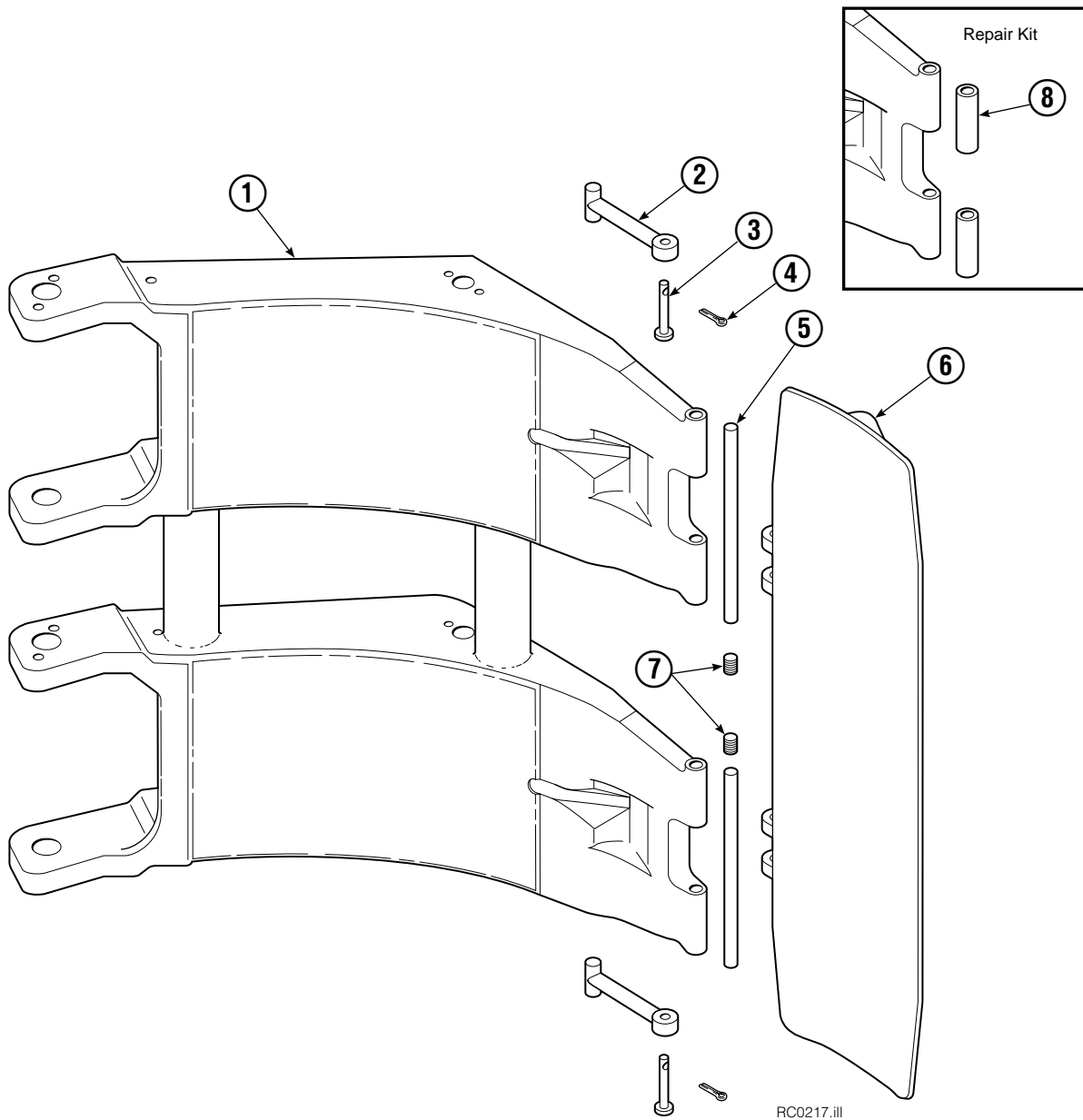


REF	QTY	PART NO.	DESCRIPTION
		580171	Cylinder Assembly
1	1	674843	Bearing
2	1	560997	Nut
◆3	1	660769	Bearing
◆4	1	662462	Seal
◆5	2	638295	Back-Up Ring
6	2	604511	Fitting, 6-6
7	1	556852	Fitting, 4
8	1	557212	Check Valve
◆9	1	2801	O-Ring
◆10	1	583977	Back-Up Ring
◆11	1	554598	Seal
◆12	1	628047	Wiper
13	1	557405	Rod
14	1	555724	Retainer
15	1	557389	Piston
◆16	1	2722	O-Ring
17	1	558353	Shell
18	1	667516	Check Valve Service Kit
19	1	—	Spacer
20	1	—	Spacer
21	2	675006	Bearing
22	1	669243	Seal Loader
		555725	Service Kit

◆ Included in Service Kit 555725.

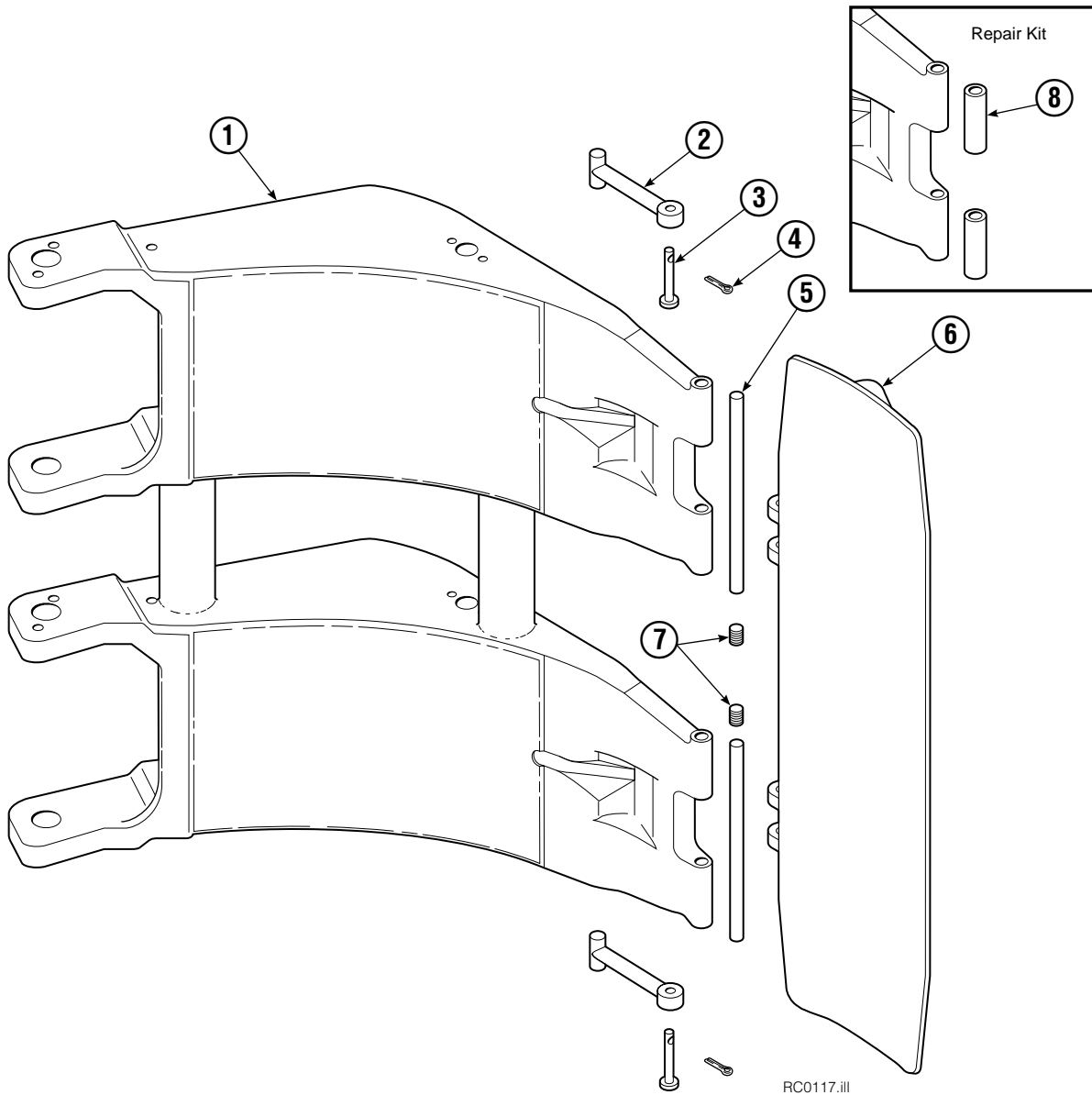
Reference: S-5320, S-5321.

Short Arm



90F			
REF	QTY	PART NO.	DESCRIPTION
		206684	Arm Assembly
1	1	206675	Arm
2	2	674994	Link
3	2	682978	Clevis Pin
4	2	6525	Cotter Pin
5	2	674993	Pin
6	1	674962	Contact Pad
7	2	689900	Plug
8	1	676810	Arm Tip Repair Kit

Long Arm



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90F			
REF	QTY	PART NO.	DESCRIPTION
		206685	Arm Assembly
1	1	206674	Arm
2	2	674994	Link
3	2	682978	Clevis Pin
4	2	6525	Cotter Pin
5	2	674993	Pin
6	1	674962	Contact Pad
7	2	689900	Plug
8	1	676810	Arm Tip Repair Kit

Bolt-On Mounting Group



Class IV, 1.8°			
REF	QTY	PART NO.	DESCRIPTION
		684880	Mounting Group
1	1	684877	Upper Hook – LH
2	1	675061	Upper Hook – RH
3	1	670704	Stop Kit
4	8	679082	Capscrew, M20 x 35
5	2	768810	Capscrew, M10 x 30
6	2	680030	Lockwasher, M10
7	1	681057	Center Spacer
8	4	676854	Capscrew, M20 x 60
9	4	670692	Washer
10	2	679832	Lower Hook
11	2	681056	Spacer

Reference: SK-5286.

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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