



Parts Manual

Model 45F Roll Clamp

Serial Number 45F-RCF-125

cascade[®]
corporation

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

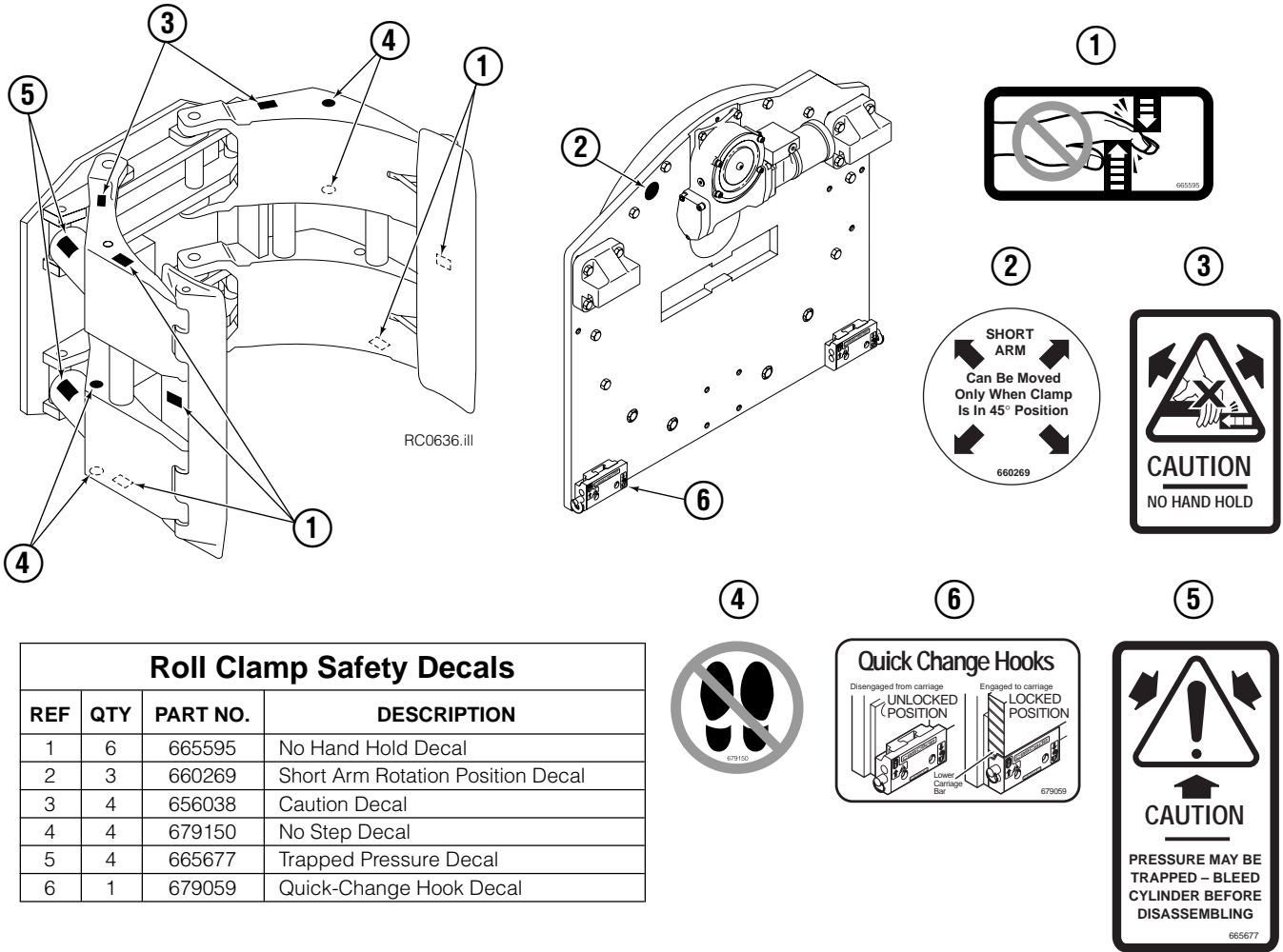
To Order Parts call: 888-227-2233, Fax: 888-329-0234

OR

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

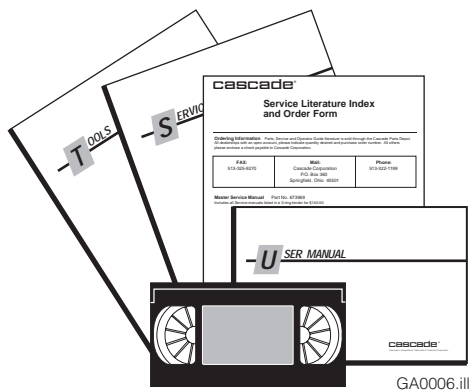
Internet: www.cascorp.com

Safety Decals



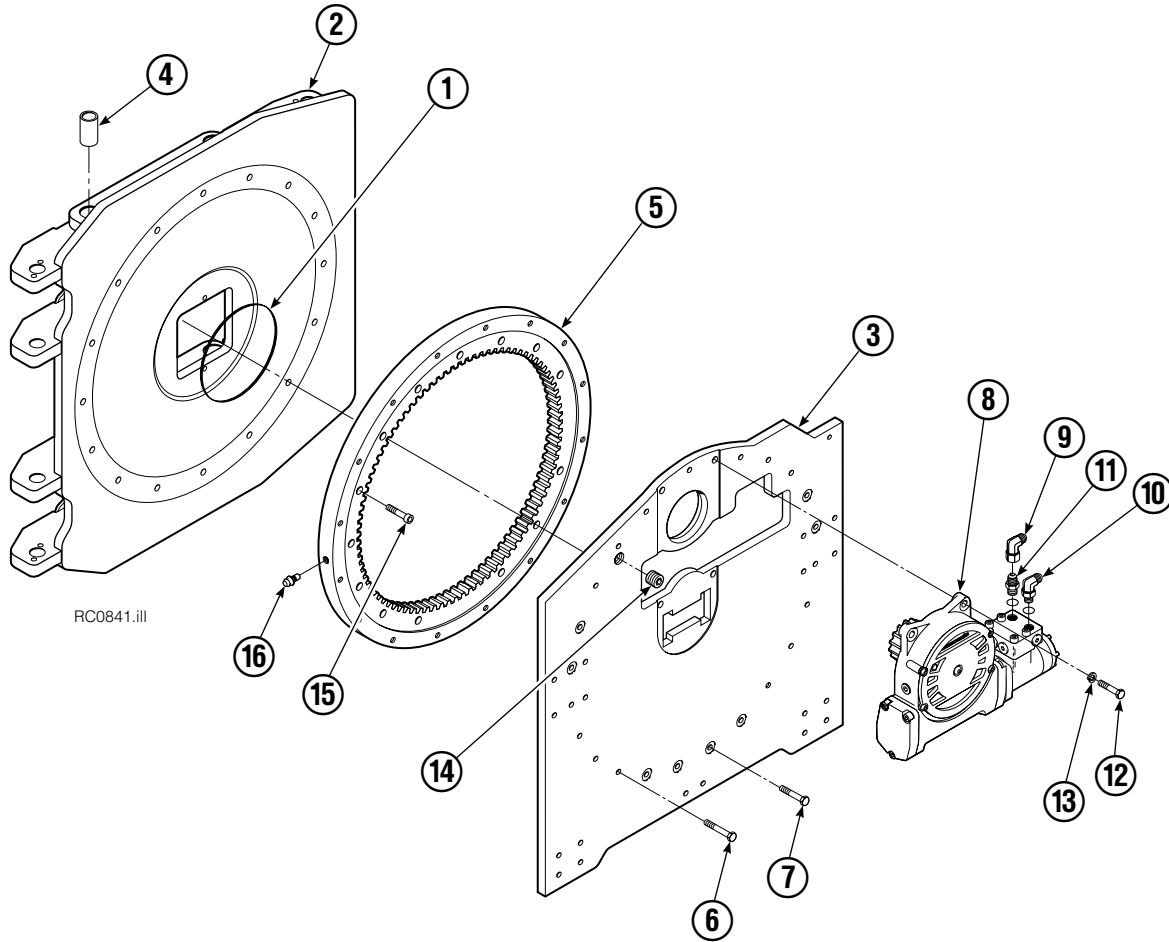
Roll Clamp Safety Decals			
REF	QTY	PART NO.	DESCRIPTION
1	6	665595	No Hand Hold Decal
2	3	660269	Short Arm Rotation Position Decal
3	4	656038	Caution Decal
4	4	679150	No Step Decal
5	4	665677	Trapped Pressure Decal
6	1	679059	Quick-Change Hook Decal

Publications



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



45F			
REF	QTY	PART NO.	DESCRIPTION
		3011196	Frame Group
1	1	670931	Seal
2	1	3011197	Faceplate
3	1	680679	Baseplate
4	8	674843	Bushing
5	1	672828	Bearing Assembly ▲
6	9	643539	Capscrew, 1/2 NC x 1.75
7	7	643538	Capscrew, 1/2 NC x 1.50
8	1	795491	Drive Group ●
9	1	605761	Fitting, 8-8
10	1	601250	Fitting, 8-8
11	1	601377	Fitting, 8-8
12	4	661742	Capscrew, 1/2 NC x 1.25
13	4	6290	Lockwasher
14	1	6605	Plug
15	16	4505	Capscrew ▲
16	1	7401	Grease Fitting

▲ Included in Bearing Service Kit 672481.

● See Drive Group page for parts breakdown.

Reference: Common Parts Group 680700, SK-5359.

Drive Group



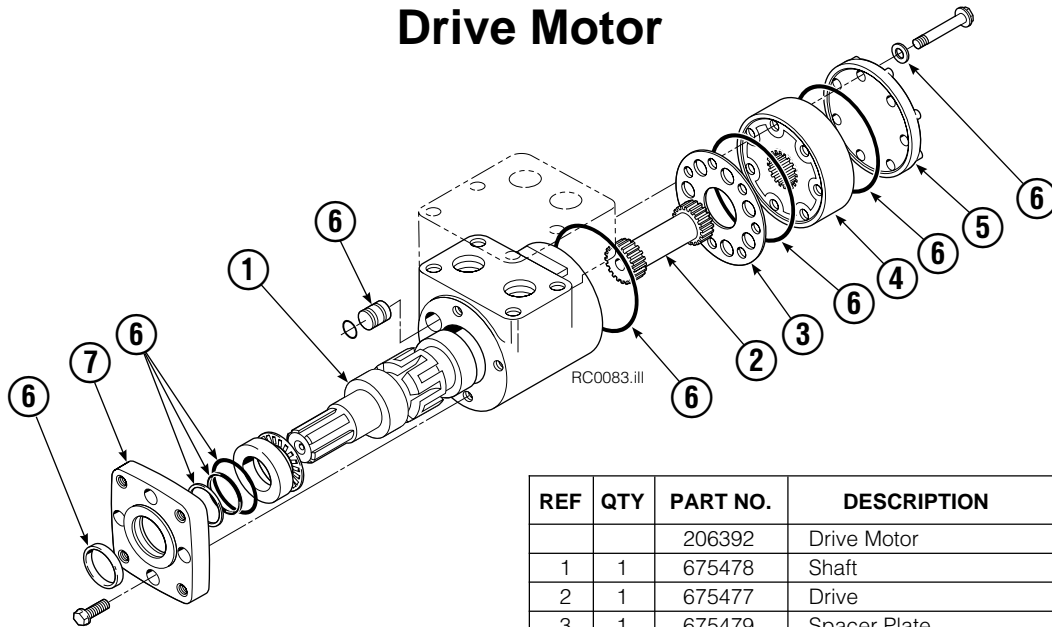
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		795491	Drive Group with 2.8 c.i. Motor	19	1	206392	Drive Motor – 2.8 c.i. ▼
1	6	769570	Capscrew, M12 x 25	20	4	4468	Capscrew, 3/8 NC x .75 GR8
2	1	676855	Cover	21	1	670580	Bearing
3	●	674513	Shim – .005" (blue)	22	1	675609	Worm Gear
4	●	670574	Shim – .010" (brown)	23	1	670581	Bearing
5	●	671757	Shim – .015" (pink)	24	1	7214	Snap Ring
6	●	671758	Shim – .020" (yellow)	25	1	643423	O-Ring
7	2	670579	Bearing	26	1	775552	Cover
8	1	670582	Key	27	1	783609	Seal
9	1	670506	Pinion	28	1	783608	Capscrew, M12 x 16
10	1	775551	Housing	29	4	200882	Capscrew, M8 x 20
11	1	686465	Gasket	30	1	644010	Relief Fitting
12	1	675608	Worm	31	1	604510	Fitting, 6
13	1	775553	Adapter	32	1	656300	Gear Box Lube – 48 oz.
14	2	2705	O-Ring	33	1	668184	Sealant
15	1	670549	Check Valve ▲			670578	Shim Service Kit (items 3-6,25,33)
16	4	6444	Lockwasher			675637	Bearing Service Kit (items 21 & 33)
17	4	607059	Capscrew, 5/16 NC x 1.75 GR8			675638	Bearing Service Kit (items 3-7,25)
18	1	670575	Gasket			685227	Motor Kit-4.5 (items 4,14,18)

● Quantity as required.

▲ See Check Valve page for parts breakdown.

▼ See Drive Motor page for parts breakdown.

Drive Motor



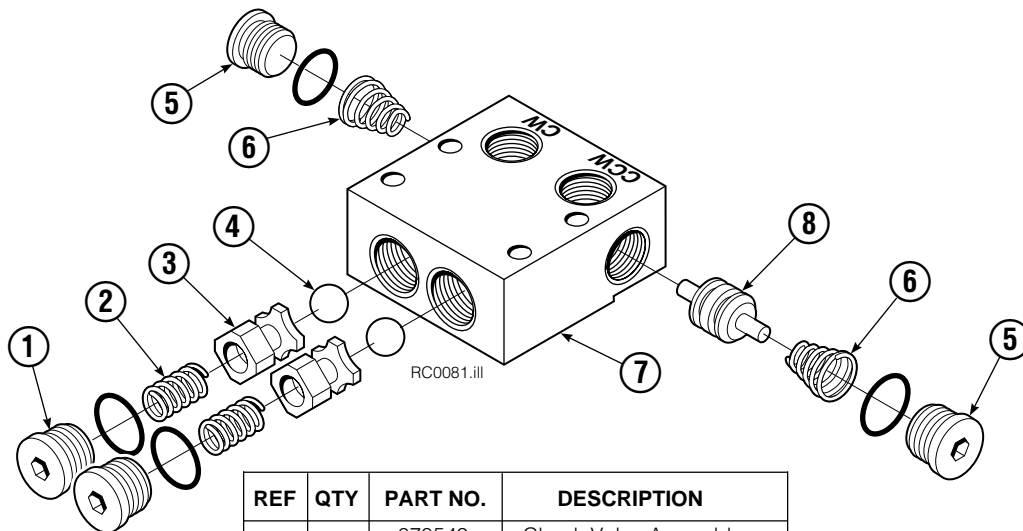
REF	QTY	PART NO.	DESCRIPTION
		206392	Drive Motor
1	1	675478	Shaft
2	1	675477	Drive
3	1	675479	Spacer Plate
■ 4	1	675480	Gerotor Set (101-1768-007)
■ 4	1	685075	Gerotor Set (101-1768-009)
5	1	675482	End Cap
● 6	1	206405	Service Kit
■ 7	1	685089	Flange (101-1768-007)
■ 7	1	685090	Flange (101-1768-009)

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.

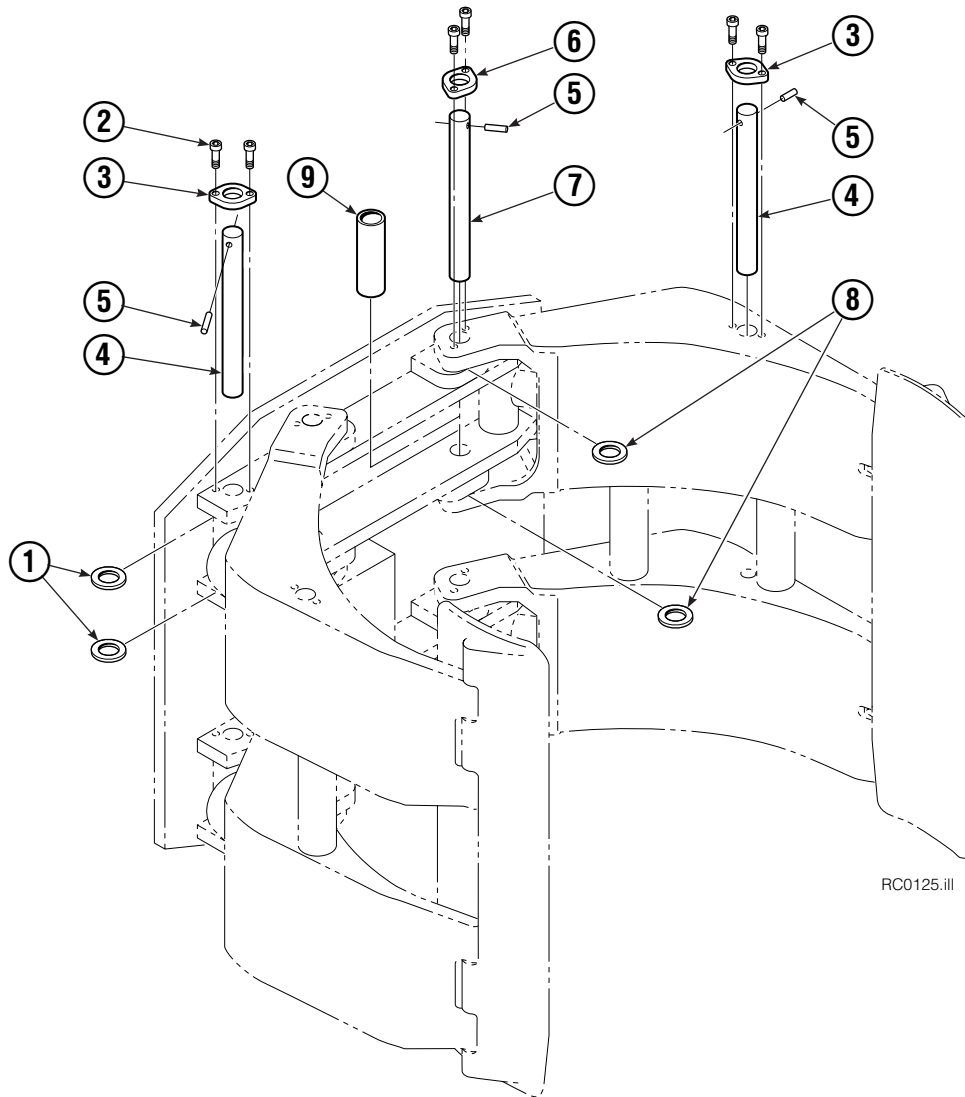
● Compatible with water glycol based hydraulic fluids.

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

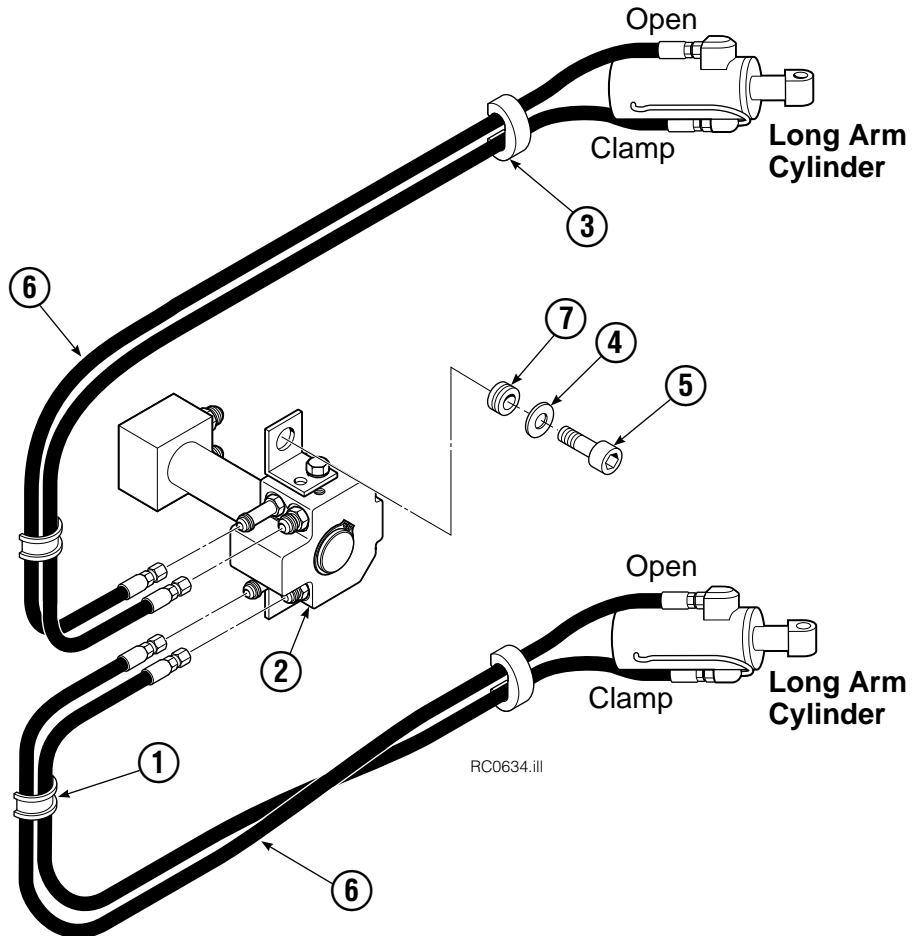


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45F			
REF	QTY	PART NO.	DESCRIPTION
		680634	Common Components Group
1	8	674837	Shim
2	24	4466	Capscrew, 3/8 NC x .50
3	8	674827	Retainer
4	8	680639	Pin
5	12	673385	Drive Pin
6	4	674828	Retainer
7	4	674835	Pin
8	16	660200	Shim
9	4	681669	Spacer

Reference: SK-4962, SK-4963.

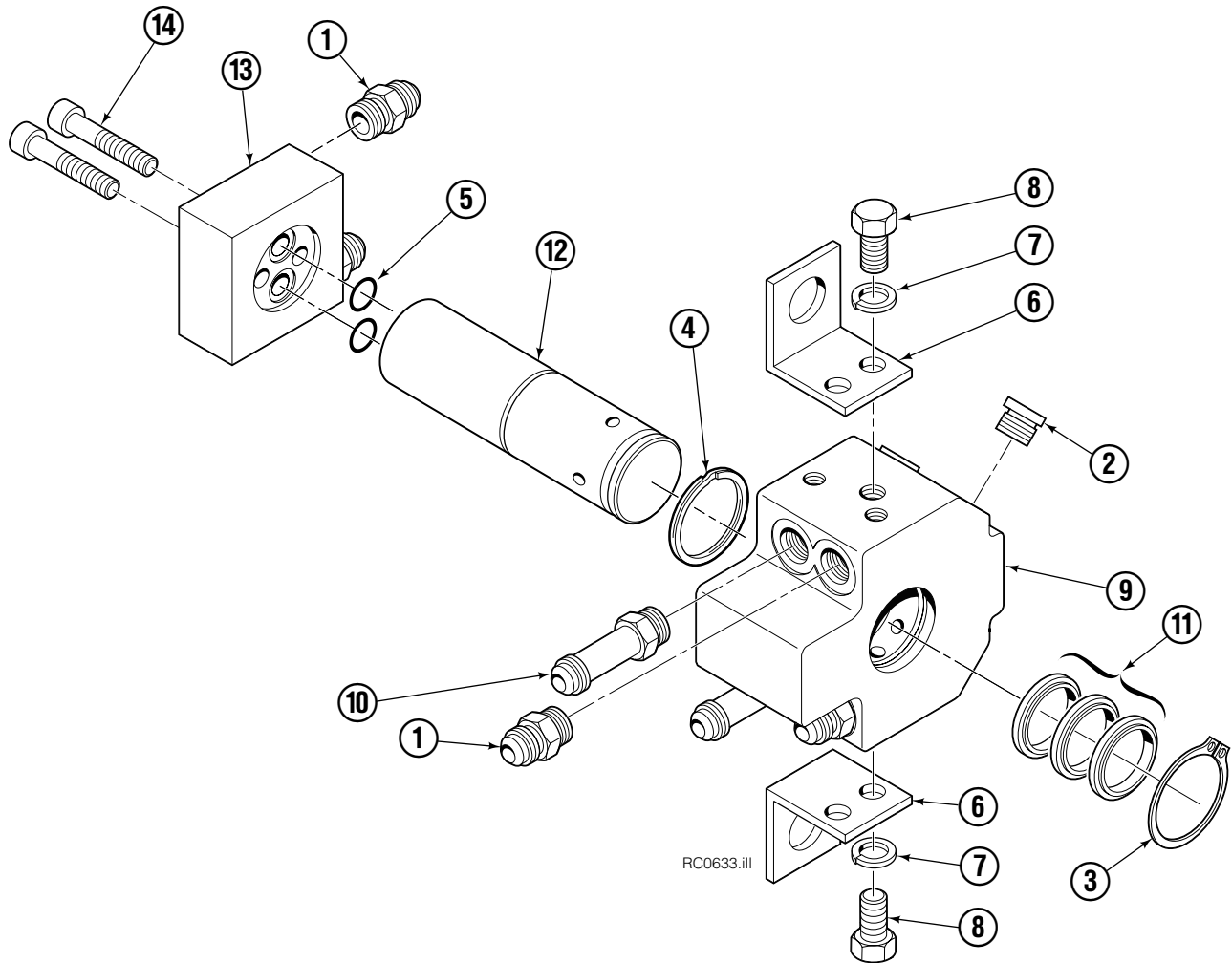
Hosing Group Fixed Short Arm



45F			
REF	QTY	PART NO.	DESCRIPTION
		223460	Hosing Group
1	2	680113	Insert
2	1	222682	Revolving Connection ▲
3	2	673416	Segment
4	2	209019	Washer
5	2	645565	Shoulder Bolt
6	4	680115	Hose, 43.75"
7	2	208764	Grommet

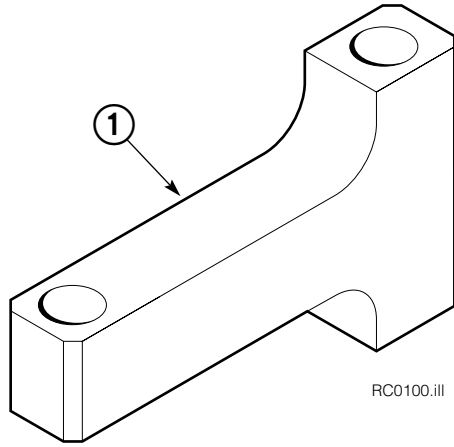
▲ See Revolving Connection page for parts breakdown.
Reference: SK-6438, Common Parts Group 223459R0.

Revolving Connection



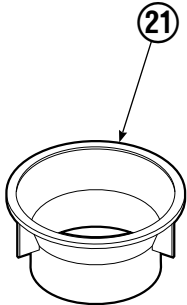
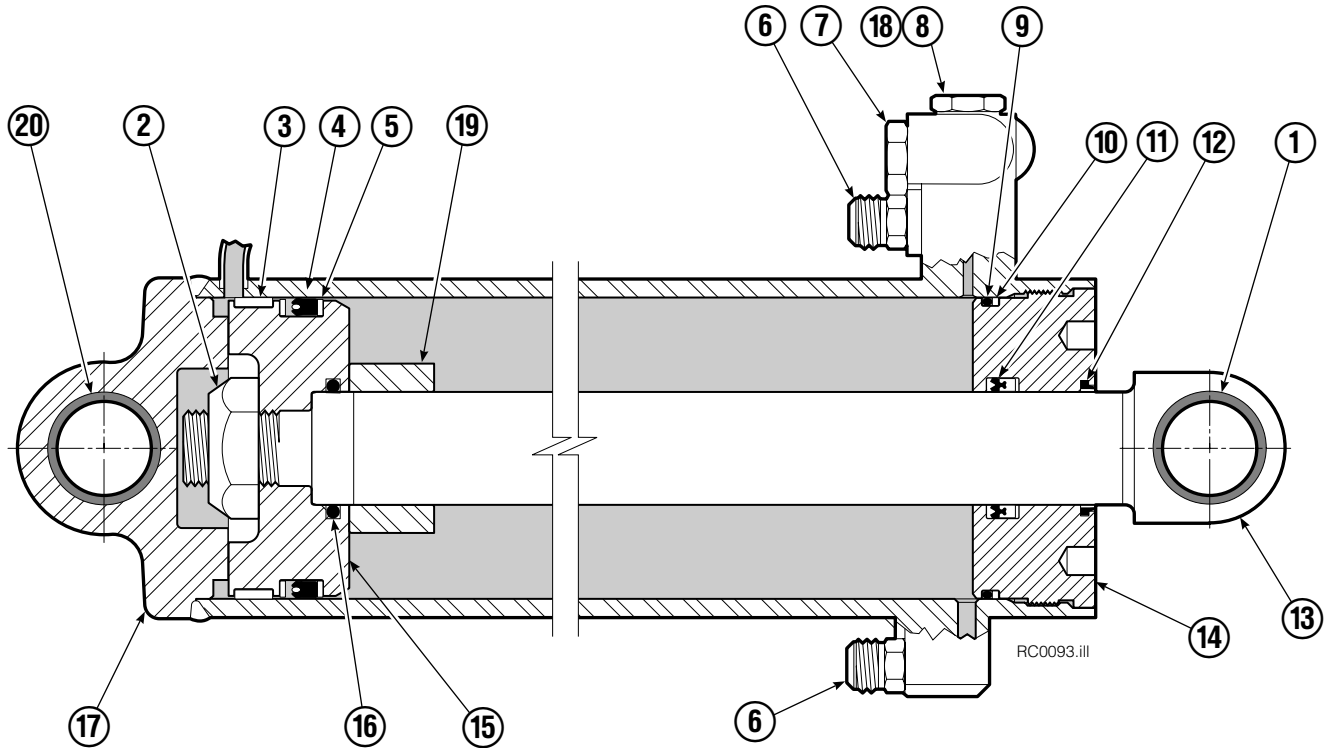
45F			
REF	QTY	PART NO.	DESCRIPTION
		222682	Revolving Connection
1	4	604511	Fitting, 6-6
2	4	604510	Fitting, 6
3	1	3138	Snap Ring
4	1	7341	Snap Ring
5	2	564448	O-Ring
6	2	222675	Bracket
7	2	681238	Lockwasher, M10
8	2	212632	Capscrew, M10 x 20
9	1	222671	Body
10	2	605743	Fitting Adapter, 6-6
11	3	214649	Seal
12	1	222674	Shaft
13	1	222673	End Block
14	2	768796	Capscrew, M8 x 35
		222694	Service Kit

Link



REF	QTY	PART NO.	DESCRIPTION
1	2	3007792	Link

Long Arm Cylinder

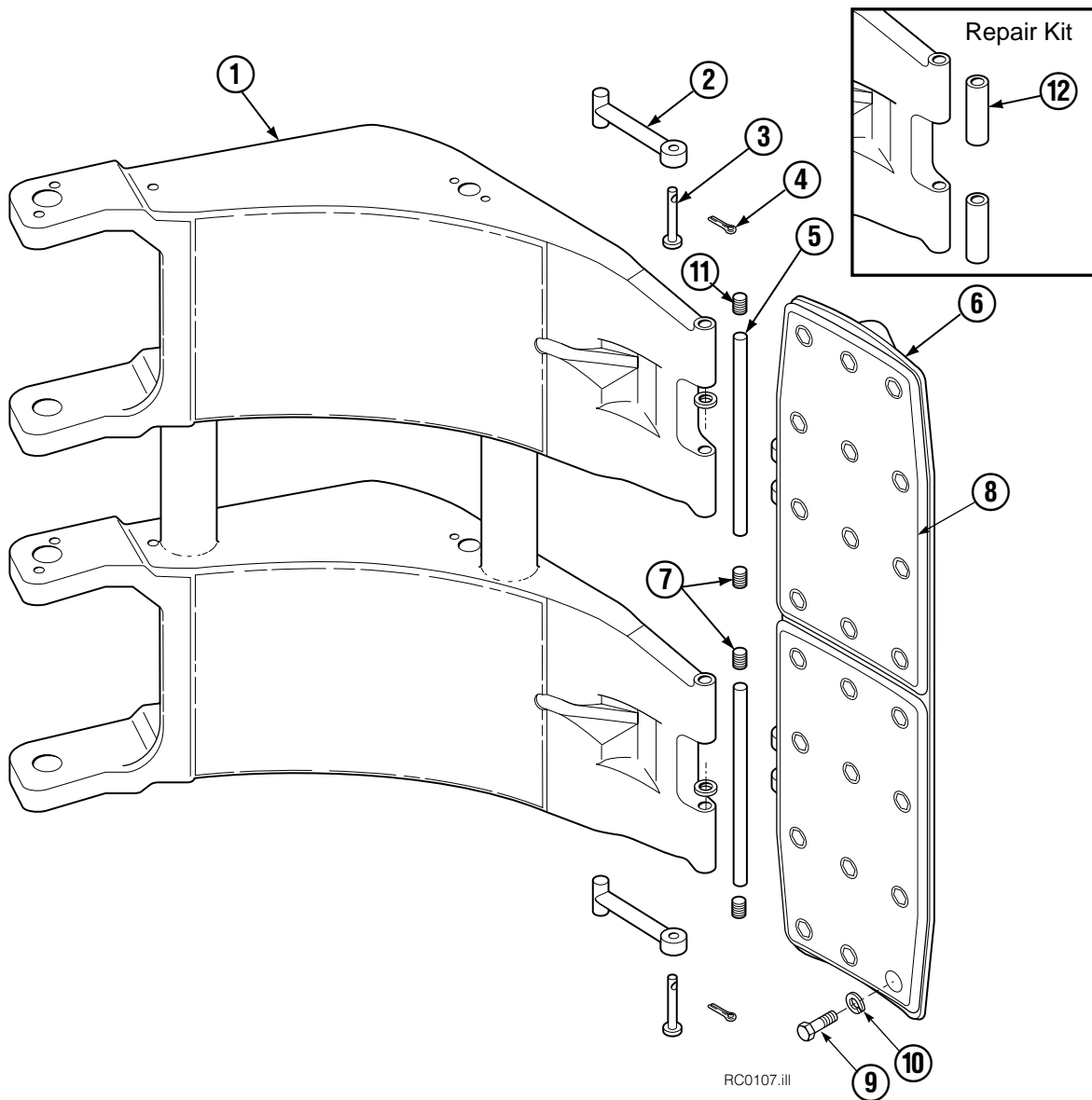


REF	QTY	PART NO.	DESCRIPTION
		345711	Cylinder Assembly
1	1	674840	Bearing
2	1	560997	Nut
3	1	660767	◆ Bearing
4	1	662460	◆ Seal
5	2	638293	◆ Back-Up Ring
6	2	604511	Fitting, 6-6
7	1	556852	Fitting, 4
8	1	557212	Check Valve
9	1	2797	◆ O-Ring
10	1	615140	◆ Back-Up Ring
11	1	554598	◆ Seal
12	1	564930	◆ Wiper
13	1	557080	Rod
14	1	555207	Retainer
15	1	555226	Piston
16	1	2722	◆ O-Ring
17	1	560532	Shell
18	1	667516	Check Valve Service Kit
19	1	-	Spacer
20	2	674840	Bearing
21	1	672909	Seal Loader
		555227	Service Kit

◆ Included in Service Kit 555227.

Ref: S-5305, S-5559

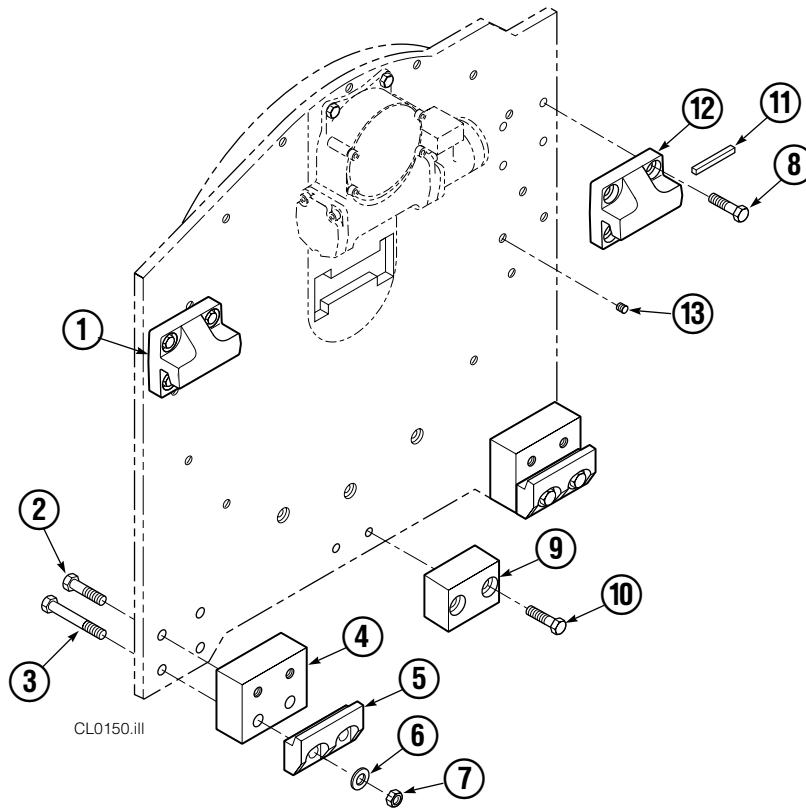
Contact Pad Group



45F			
REF	QTY	PART NO.	DESCRIPTION
	2	371441	Contact Pad Group ▲
1	1	3011193	Short Arm
	1	333951	Long Arm
2	4	674700	Link
3	4	674265	Clevis Pin
4	4	6525	Cotter Pin
5	4	370156	Pin
6	2	360134	Contact Pad
7	4	604510	Fitting
8	4	360135	Rubber Pad
9	48	201263	Capscrew
10	48	6286	Lockwasher
11	4	689900	Plug
12	2	674928	Arm Tip Repair Kit

▲ includes items 2-11.

Mounting Group



Class III, 0°			
REF	QTY	PART NO.	DESCRIPTION
		680632	Mounting Group
1	1	670527	Upper Hook – LH
2	4	641284	Capscrew, 5/8 NC x 2.25
3	4	669305	Capscrew, 5/8 NC x 5.00
4	2	682068	Spacer
5	2	675969	Lower Hook
6	4	667225	Washer
7	4	676281	Nut, 5/8
8	8	667369	Capscrew, 5/8 NC x 1.25
9	1	682067	Center Spacer
10	2	677828	Capscrew, 1/2 NC x 1.00
11	1	669344	Stop Kit
12	1	670528	Upper Hook – RH
13	2	631385	Plug, 5/8

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