Parts Manual

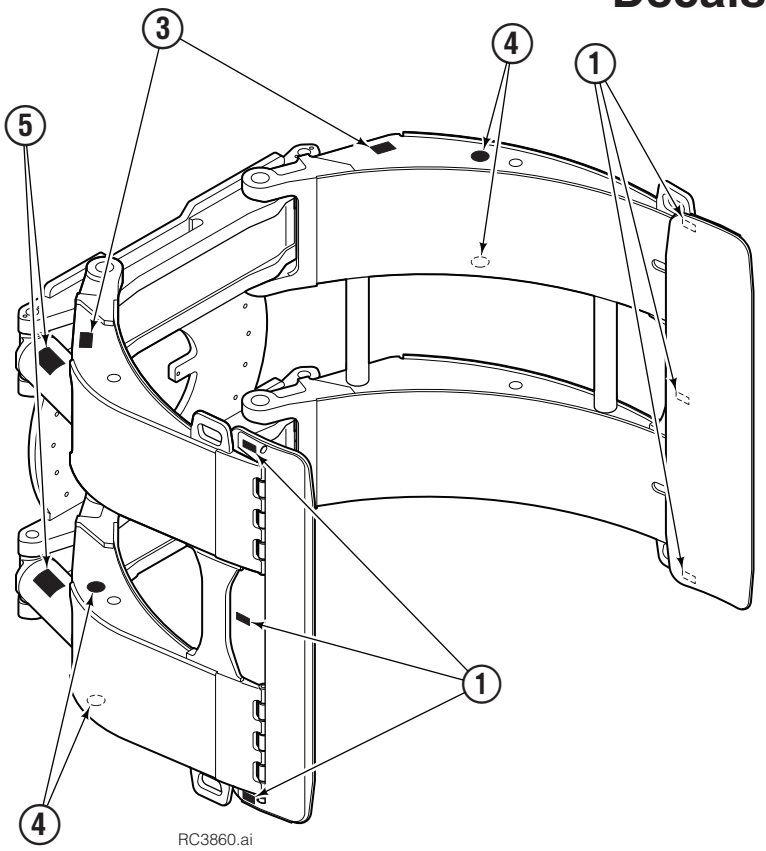
Model 33H Roll Clamp

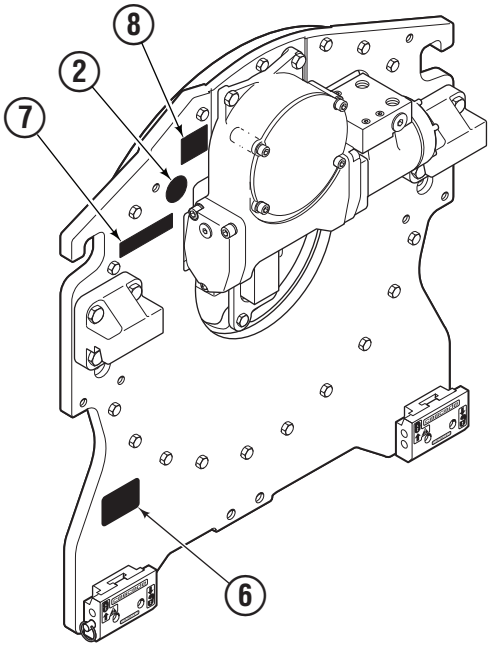
Catalog Number 33H-REP-3A-37781

cascade® corporation

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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

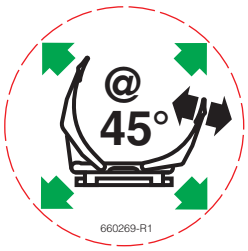




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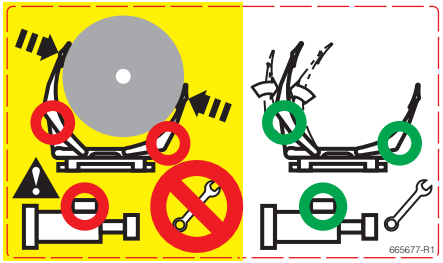
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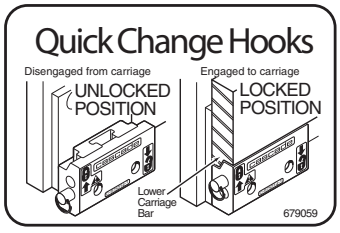
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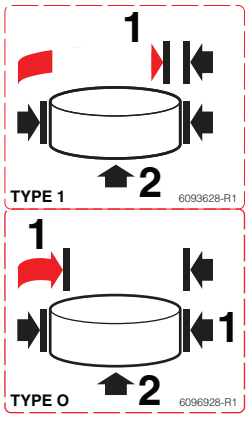
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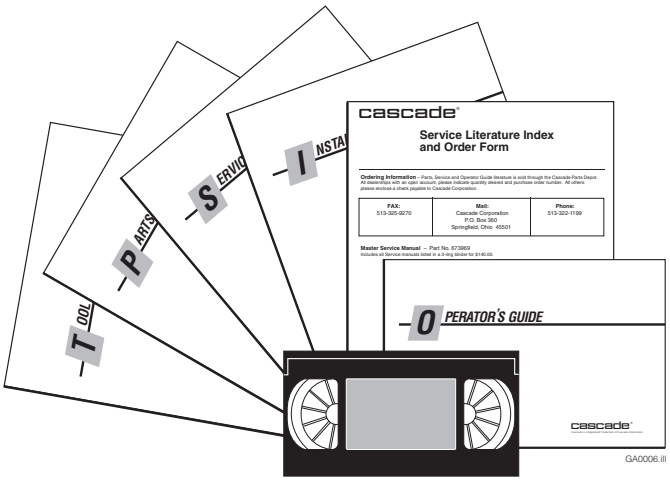
8



H-Series Roll Clamp			
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
7	1	6038786	Visibility Warning Decal
8	1	6093628	Split Arm Decal – Type 1 ◆
	1	6096928	Split Arm Decal – Type 0 ◆

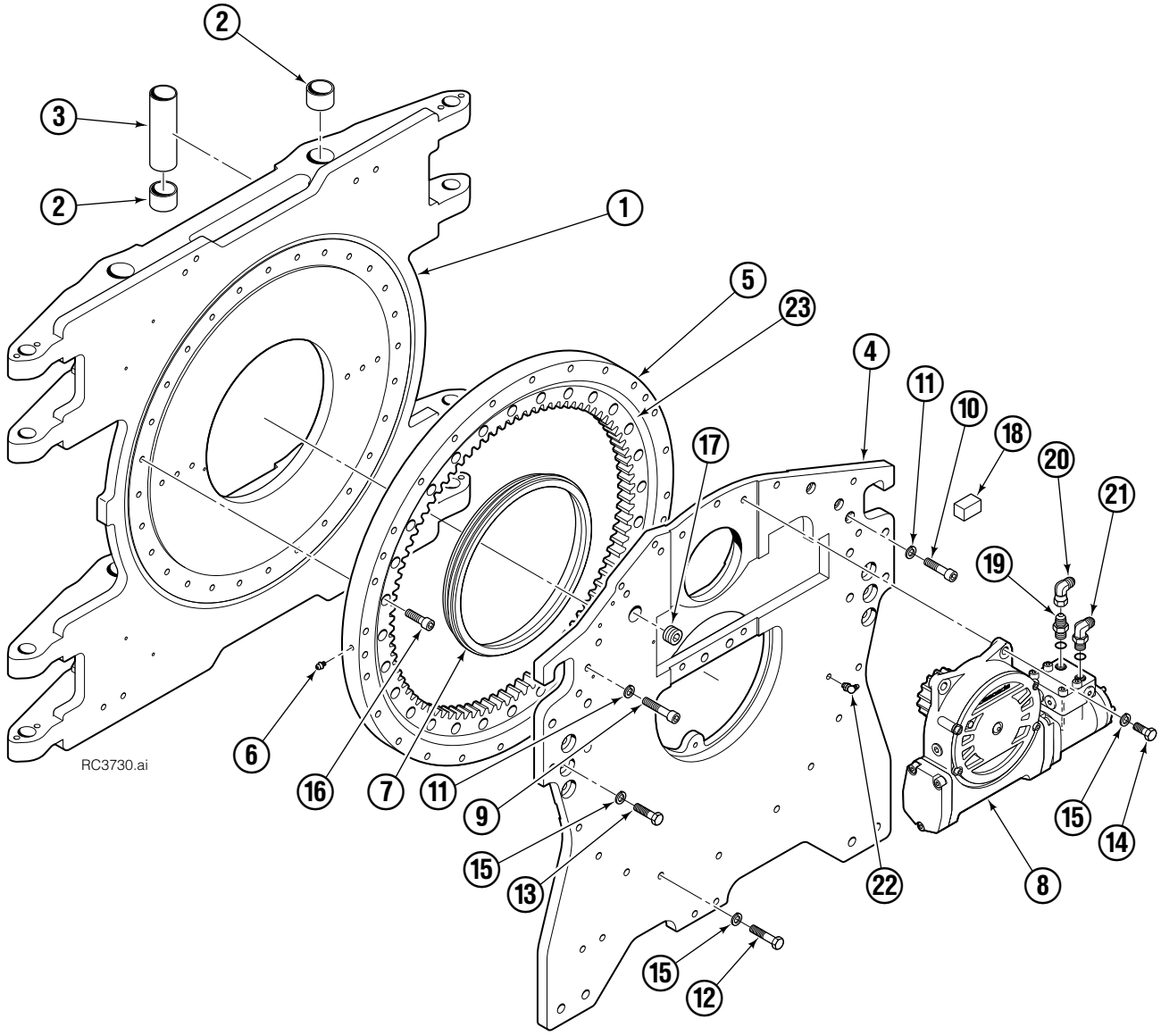
◆ See stamp on Revolving Connection for correct Type.

Publications



H-Series Roll Clamp	
PART NO.	**DESCRIPTION**
6078255	Service Manual
210135	Operators Guide – Fixed Frame
676268	Operators Guide – Swing Frame
6077316	Installation Instructions – Fixed Frame
6095756	Installation Instructions – Swing Frame
679929	Tool Catalog
673964	Literature Index Order Form

Frame Group



33H							
REF	**QTY**	**PART NO.**	**DESCRIPTION**	**REF**	**QTY**	**PART NO.**	**DESCRIPTION**
		6094665	Frame Group ◆	12	9	213633	Capscrew, M12 x 55
		6838850(r1)	Rotator/Baseplate Group ■	13	6	206174	Capscrew, M12 x 45
1	1	6094666	Frame	14	4	211689	Capscrew, M12 x 30
2	8	210080	Bearing	15	19	683822	Lockwasher, M12
3	4	6067730	Spacer	16	28	213902	Capscrew, M12 x 45
4	1	6095217	Baseplate	17	1	6605	Plug
5	1	6095284	Bearing Assembly	18	1	669344	Stop Block Kit
6	1	7401	Grease Fitting	19	1	601377	Fitting, 8-8 ★
7	1	209944	Seal	20	1	605761	Fitting, 8-8 ★
8	1	6246456	Drive Group ●	21	1	601250	Fitting, 8-8 ★
9	7	6405595	Capscrew, M12 x 60	22	1	7406	Grease Fitting
10	4	683818	Capscrew, M12 x 50	23	2	670516	Bearing Seal
11	11	787385	Lockwasher, M12				

◆ Includes items 1-3.

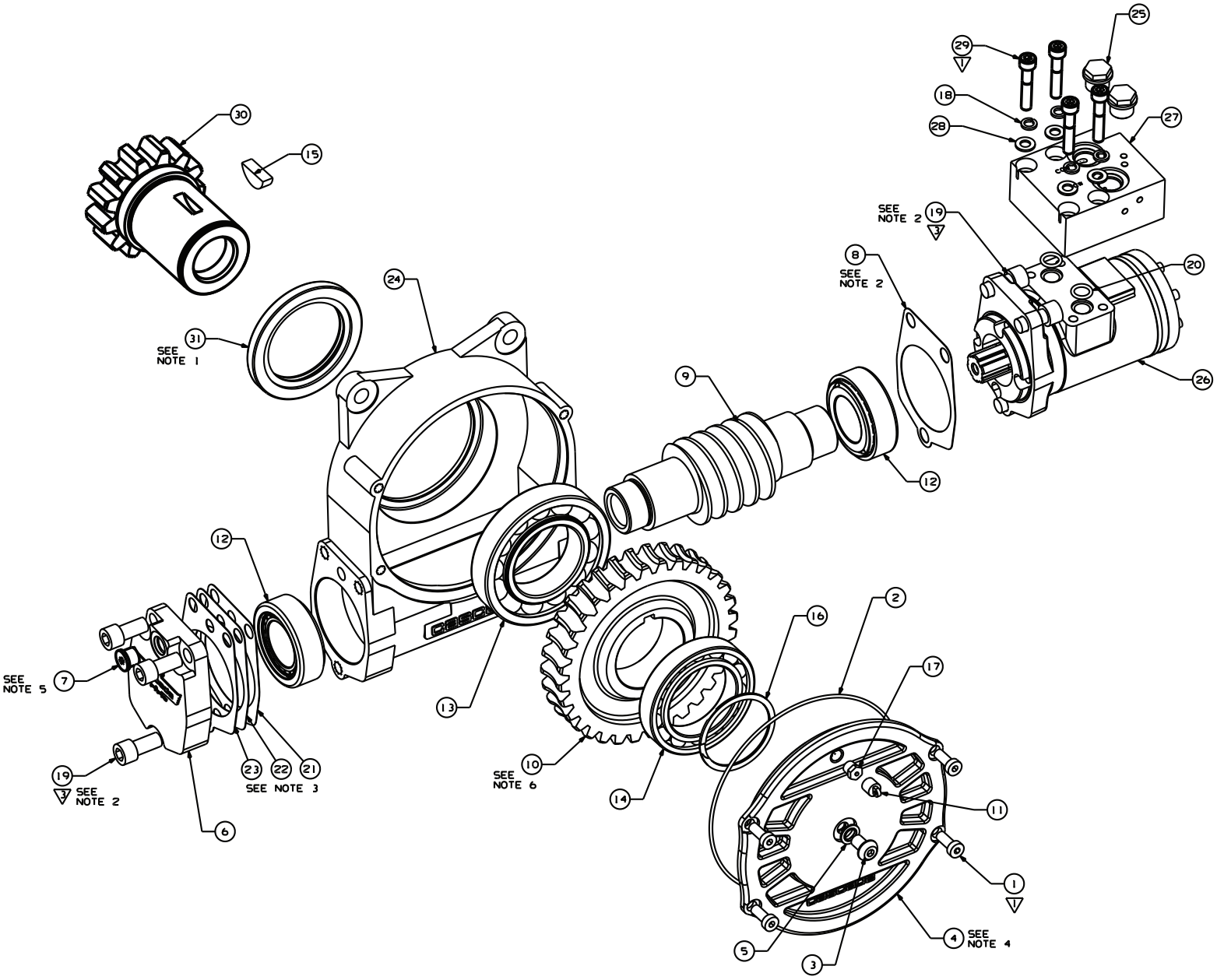
■ Includes items 4-23.

● See Drive Group page for parts breakdown.

★ Included in Fitting Group 212367.

Reference: SK-11144, Fastener Kit 6095293.

Drive Group


25
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SEE NOTE 2
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SEE NOTE 2
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SEE NOTE 1
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SEE NOTE 5
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SEE NOTE 6
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SEE NOTE 3
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SEE NOTE 4

Drive Group

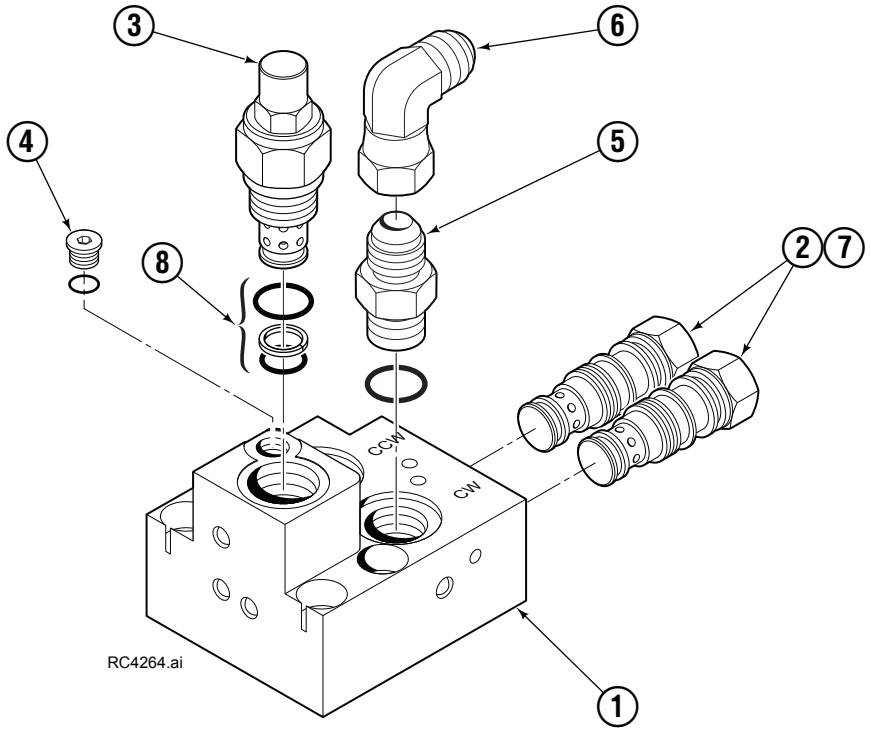
Ref.	Qty.	Part No.	Description
1	4	200882	Capscrew
2	1	643423	O-Ring
3	1	783608	Capscrew
4	1	775552	Cover
5		783609	Seal
6	1	676855	Cover
7	1	604510	Fitting
8	1	686465	Gasket
9	1	675608	Worm
10	1	675609	Worm gear
11	1	211251	Cap Seal
12	2	670579	Bearing
13	1	6033892	Bearing
14	1	670581	Bearing
15	1	670582	Key
16	1	7214	Snap ring
17	1	644010	Relief fitting
18	4	787384	Lockwasher
19	6	769570	Capscrew
20	2	2705	O-Ring
21	●	670574	Shim .010" (Brown)
22	●	671757	Shim .015" (Pink)
23	●	671758	Shim .020" (Yellow)
24	1	775551	Housing
25	2	662104	Plug
26	1 ■	6838739	Drive motor
27	1 ▲	6807931	Check valve
28	4	221494	Lockwasher
29	4	768798	Capscrew
30	1	670506	Pinion
31	1	3014870	Seal
		670578	Shim Kit
		6810381	Motor Kit

● Quantity as required

▲ See page Check Valve page for parts breakdown

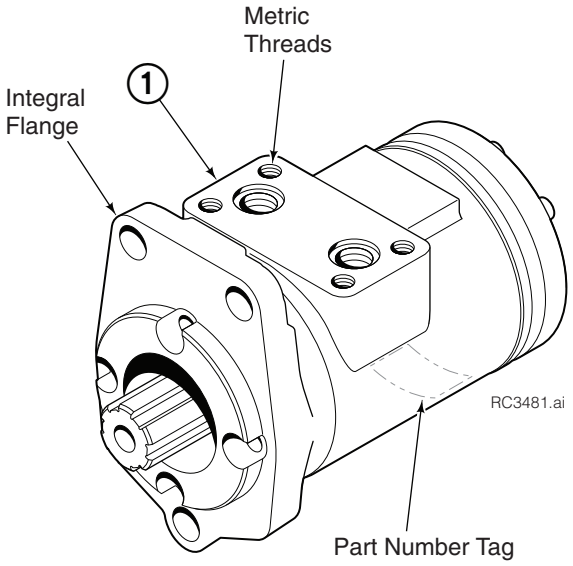
■ See Drive motor page for parts breakdown

Check Valve



REF	QTY	PART NO.	DESCRIPTION
		6807931-R2	Check Valve Assembly
1	1	6807932	Valve Body
2	2	6892871	Check Valve Cartridge – PO
3	1	214405	Relief Valve Cartridge
4	1	663694	Plug
5	1	601377	Fitting
6	1	605761	Fitting
7	2	667516	Seal Kit
8	1	682170	Seal Kit

Drive Motor

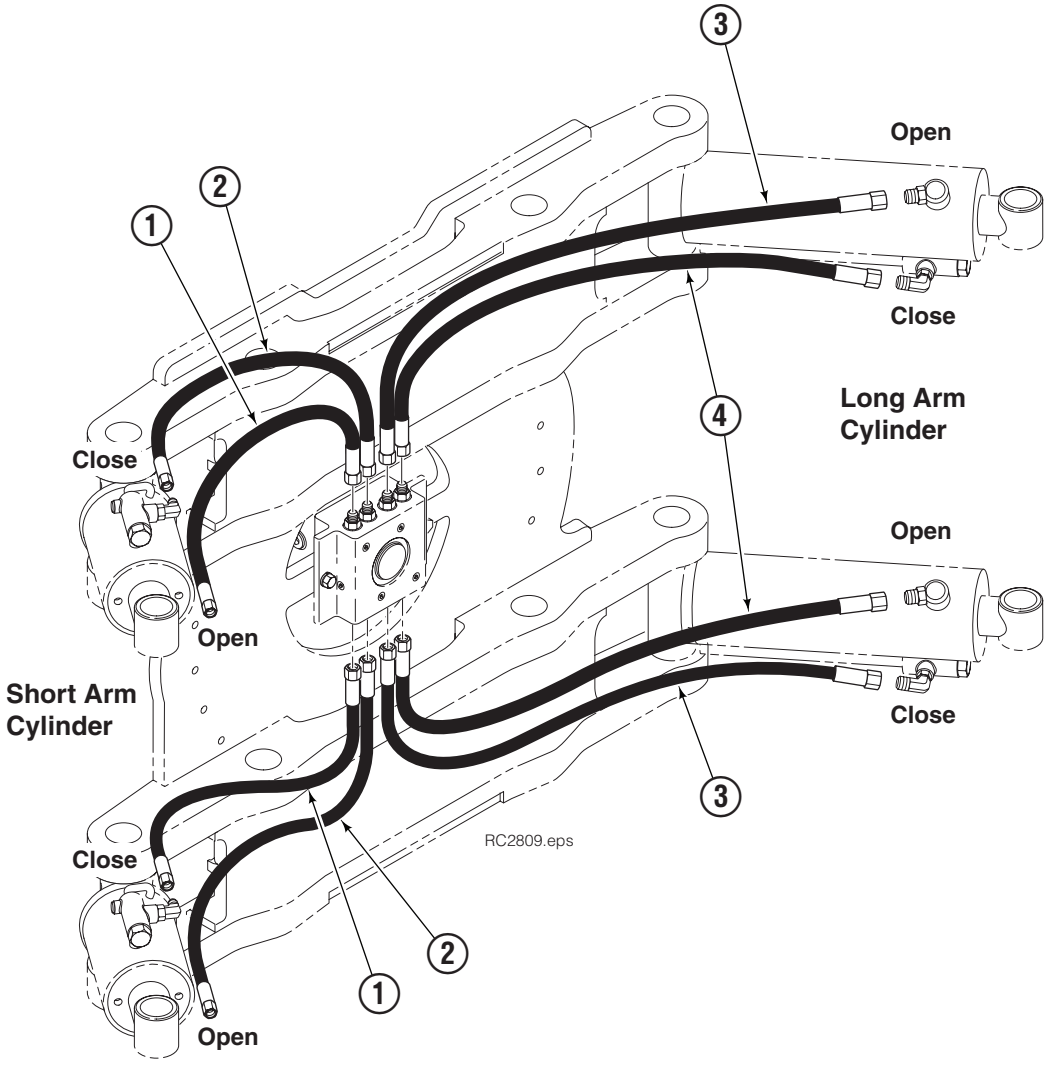


REF	QTY	PART NO.	DESCRIPTION
1	1	6838739	Drive Motor – 2.8 c.i.
●	1	206405	Service Kit

● Compatible with water glycol based hydraulic fluids.

Cascade provides service replacement parts for the listed parts only. Due to cost, if other parts need replacement, the complete drive motor should be replaced.

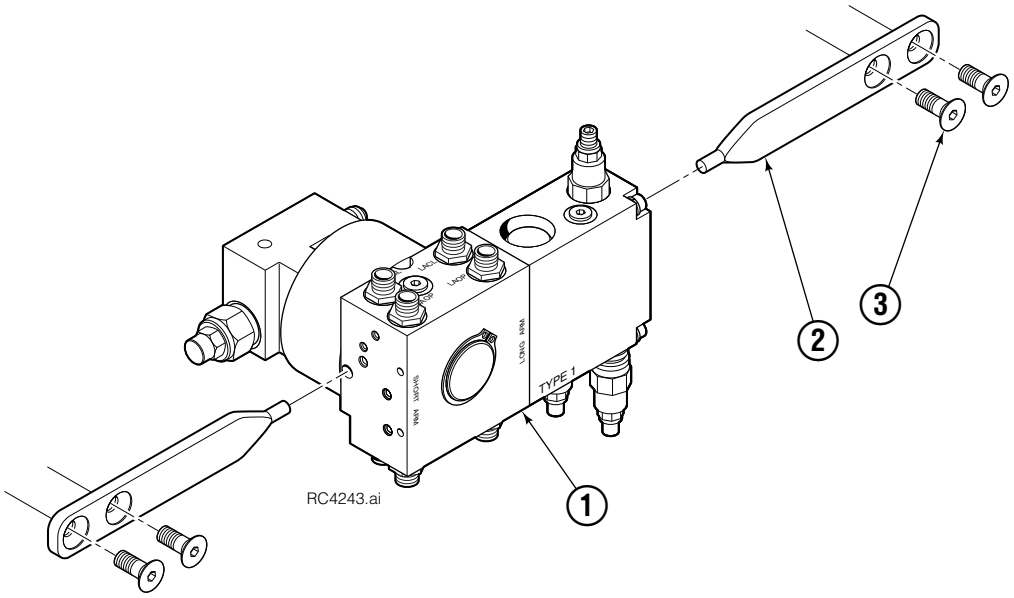
Hose Group



REF	QTY	PART NO.	DESCRIPTION
		6095721-R3	Hose Group
1	2	6043740	Hose, 720 mm
2	2	6043740	Hose, 720 mm
3	2	6095645	Hose, 1000 mm
4	2	6095645	Hose, 1000 mm

Reference: SK-11407

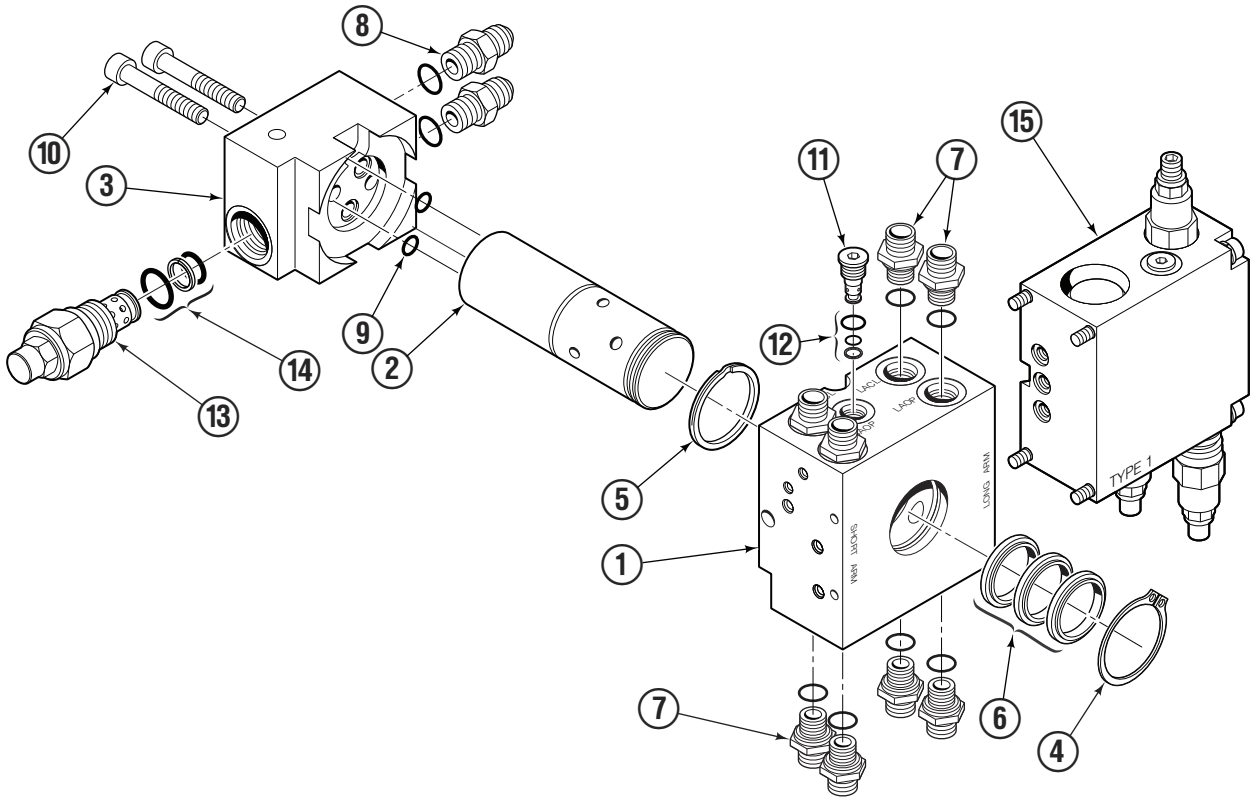
Revolving Connection Group



22H/24H			
REF	**QTY**	**PART NO.**	**DESCRIPTION**
		6858004	Revolving Connection Group
1	1	6858006	Revolving Connection Assembly ◆
2	2	6037989	Support Casting
4	4	6038809	Capscrew, M10 x 20

◆ See Revolving Connection page for parts breakdown.

Revolving Connection

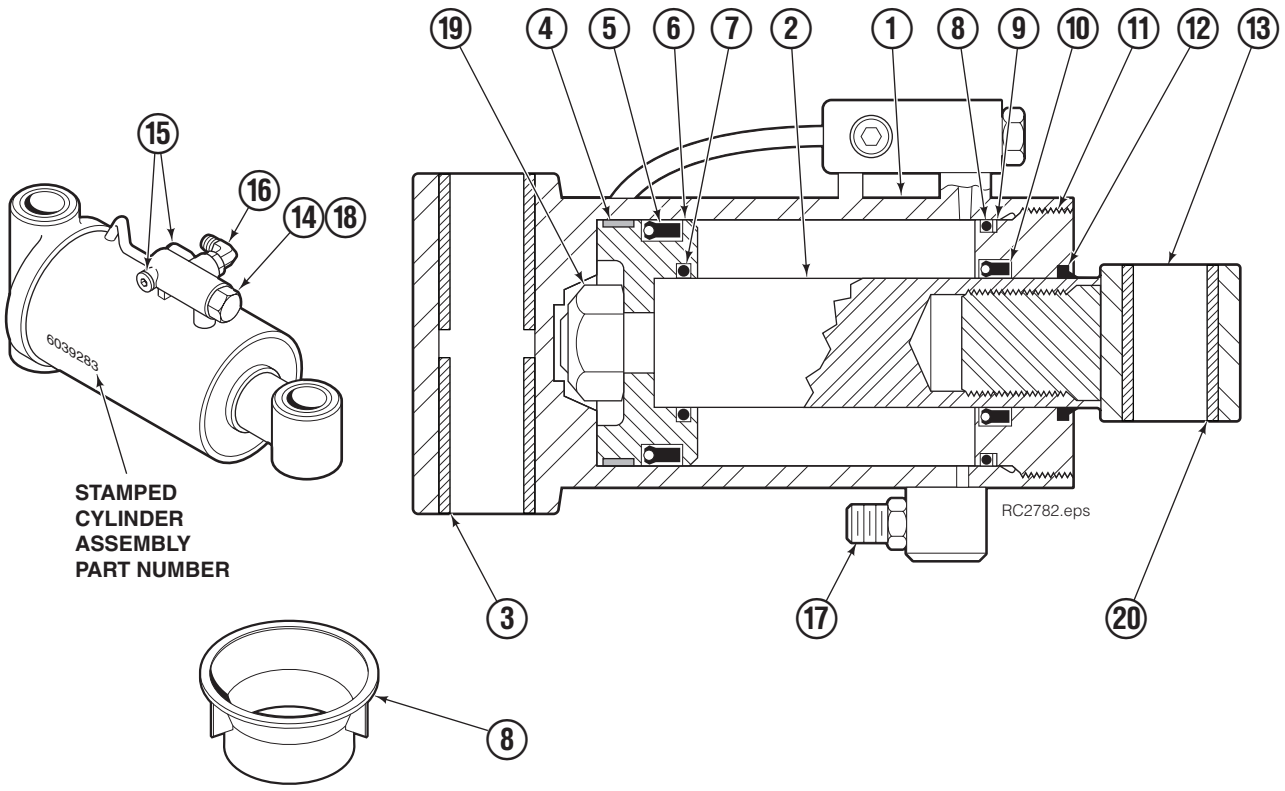


REF	QTY	PART NO.	DESCRIPTION
		6858006	Revolving Connection (R1)
1	1	6857670	Valve Body
2	1	6824527	Shaft
3	1	6843598	End Block
4	1	3138	◆Retaining Ring
5	1	7341	◆Retaining Ring
6	3	214649	◆Shaft Seal
7	8	778100	Fitting
8	2	662187	Fitting
9	2	684587	◆O-Ring
10	2	766123	Capscrew, M8 x 50
11	1	220869	Check Valve
12	1	6025595	Seal Kit
13	1	214405	Relief Cartridge
14	1	682170	Seal Kit
15	1	6857944	Valve Assembly ●
		6844758	Service Kit

● See Valve Assembly page for parts breakdown.

◆ Included in Service Kit 6844758.

Short Arm Cylinder



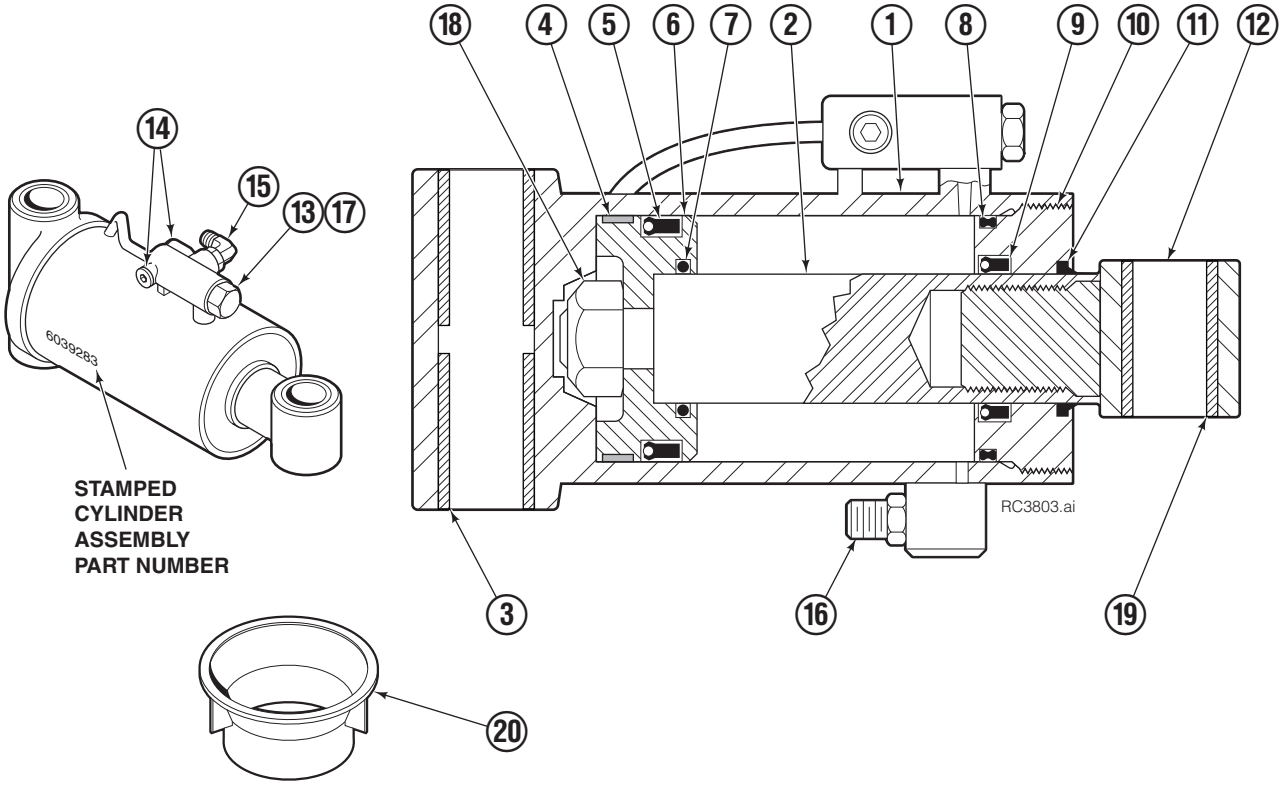
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6095022-R3	Cylinder Assembly	12	1	6078193	◆ Wiper
1	1	6095025	Shell	13	1	6092613	Rod End ★
2	1	6095024	Rod ★	14	1	6038929	Check Valve – PO
3	2	6084160	Bushing	15	2	609234	Fitting, 4
4	1	6084097	◆ Wear Ring	16	1	6091175	Fitting, SAE 6 – 10 mm L-Series
5	1	6084073	◆ Seal	17	1	778100	Fitting, SAE 6 – 10 mm L-Series
6	1	6091498	Piston	18	1	667516	Check Valve Service Kit
7	1	6091631	◆ O-Ring	19	1	560997	Nut
8	1	669235	◆ Seal Loader Kit	20	1	6084160	Bushing ★
9	1	6806960	◆ Dual seal				
10	1	221869	◆ Seal			6091608	Service Kit
11	1	6091603	Retainer				

◆ Included in Service Kit 6091608.

★ Included in Rod Assembly 6095023.

Reference: S-23672, S-23810.

Long Arm Cylinder



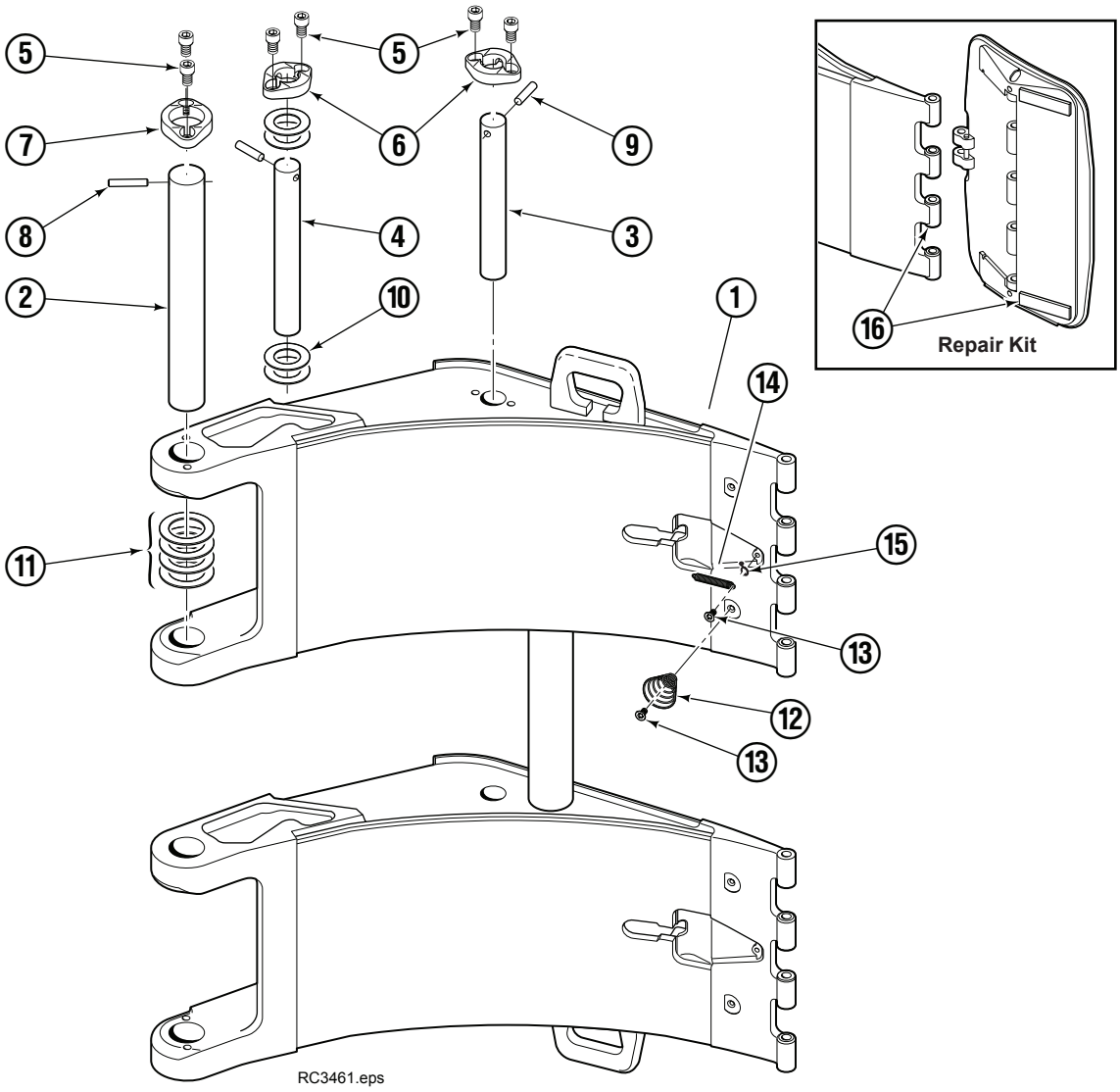
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6095027-R3	Cylinder Assembly	11	1	6078193	◆ Rod Wiper
1	1	6095030	Shell	12	1	6092613	Rod End ★
2	1	6095028	Rod Assembly	13	1	6038929	Check Valve – PO
3	2	6084160	Bushing	14	2	609234	Fitting, 4
4	1	6084097	◆ Wear Ring	15	1	6091175	Fitting, SAE 6 – 10 mm L-Series
5	1	6084073	◆ Piston Seal	16	1	778100	Fitting, SAE 6 – 10 mm L-Series
6	1	6091498	Piston	17	1	667516	Check Valve Service Kit
7	1	6091631	◆ O-Ring	18	1	560997	Nut
8	1	6806960	◆ Dual Seal	19	1	6084160	Bushing ★
9	1	221869	◆ Rod Seal	20	1	669235	◆ Seal Loader
10	1	6091603	Retainer			6091608	Service Kit

◆ Included in Service Kit 6091608.

★ Included in Rod Assembly.

Reference: S-23672, S-23810.

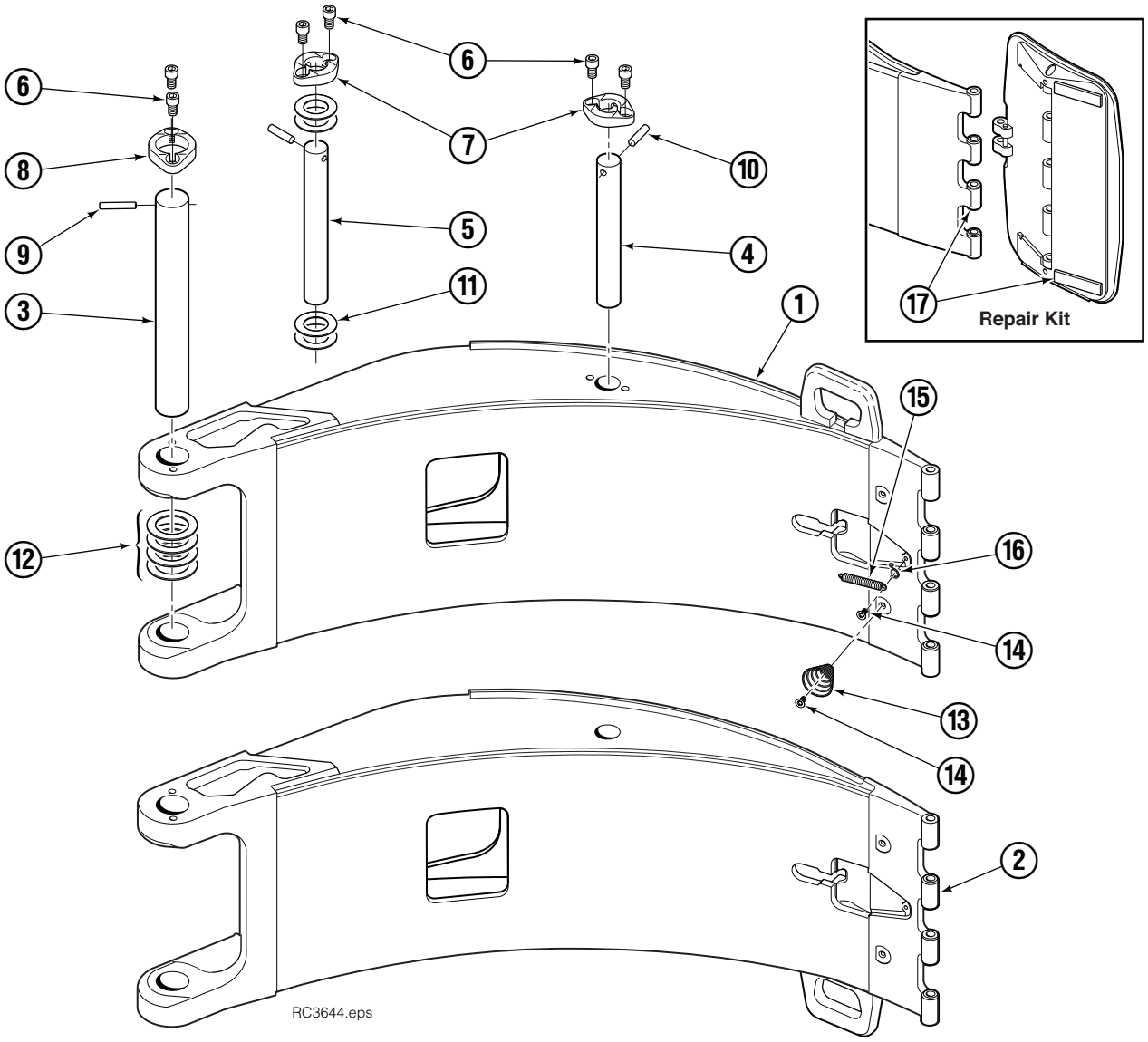
Short Arm Group



REF	QTY	PART NO.	DESCRIPTION
		6094958	Short Arm Group R2
1	1	6094959	Short Arm
2	2	6089579	Pin
3	2	6090252	Pin
4	2	6090251	Pin
5	12	6089559	Capscrew, M10 x 20
6	4	6089552	Retainer
7	2	6089553	Retainer
8	2	6090093	Drive Pin
9	4	6090094	Drive Pin
10	4	660200	Shim
11	8	209941	Shim
12	4	6081766	Pad Spring
13	6	766496	Capscrew, M6 x 12
14	4	6071414	Spring
15	2	6098978	Spring Anchor
16	1	6097843	Tip Repair Kit

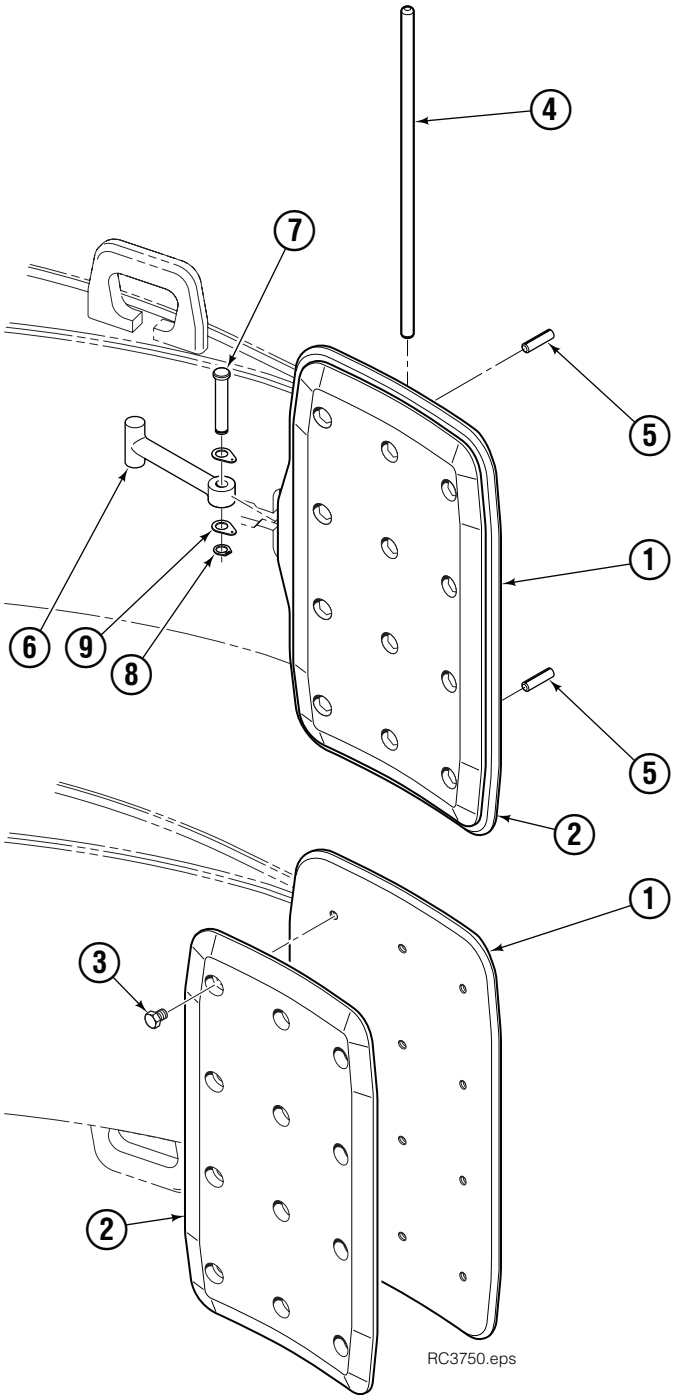
Reference: SK-11113.

Long Arm Group



33H			
REF	**QTY**	**PART NO.**	**DESCRIPTION**
		6094972	Long Arm Group R2
1	1	6094981	Long Arm, Split RH
2	1	6094980	Long Arm, Split LH
3	2	6089579	Pin
4	2	6090252	Pin
5	2	6090251	Pin
6	12	6089559	Capscrew, M10 x 20
7	4	6089552	Retainer
8	2	6089553	Retainer
9	2	6090093	Drive Pin
10	4	6090094	Drive Pin
11	4	660200	Shim
12	8	209941	Shim
13	4	6081766	Pad Spring
14	6	766496	Capscrew, M6 x 12
15	4	6071414	Spring
16	2	6098978	Spring Anchor
17	1	6097843	Tip Repair Kit

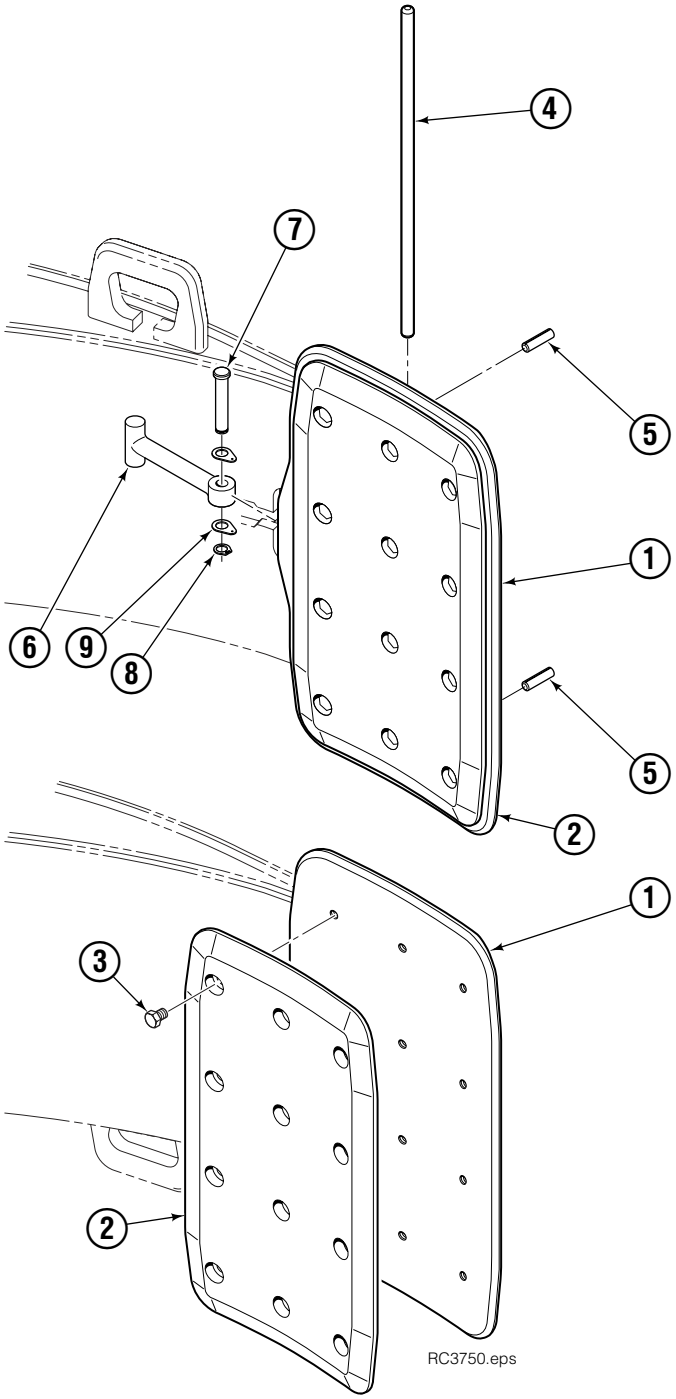
Contact Pad Group – Short Arm



REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6097053	Contact Pad Group – Short Arm r1	5	4	6823345	Drive Pin
	2	6097054	Contact Pad Assembly	6	2	6070669	Link
1	1	6089755	◆ Contact Pad	7	2	6821649	Clevis Pin
2	1	6089860	◆ Rubber Pad	8	2	6821671	Retaining Ring
3	12	213543	◆ Capscrew	9	4	6076106	Spring Anchor
4	2	6071792	Pin				

◆ Included in Contact Pad Assembly 6097054.

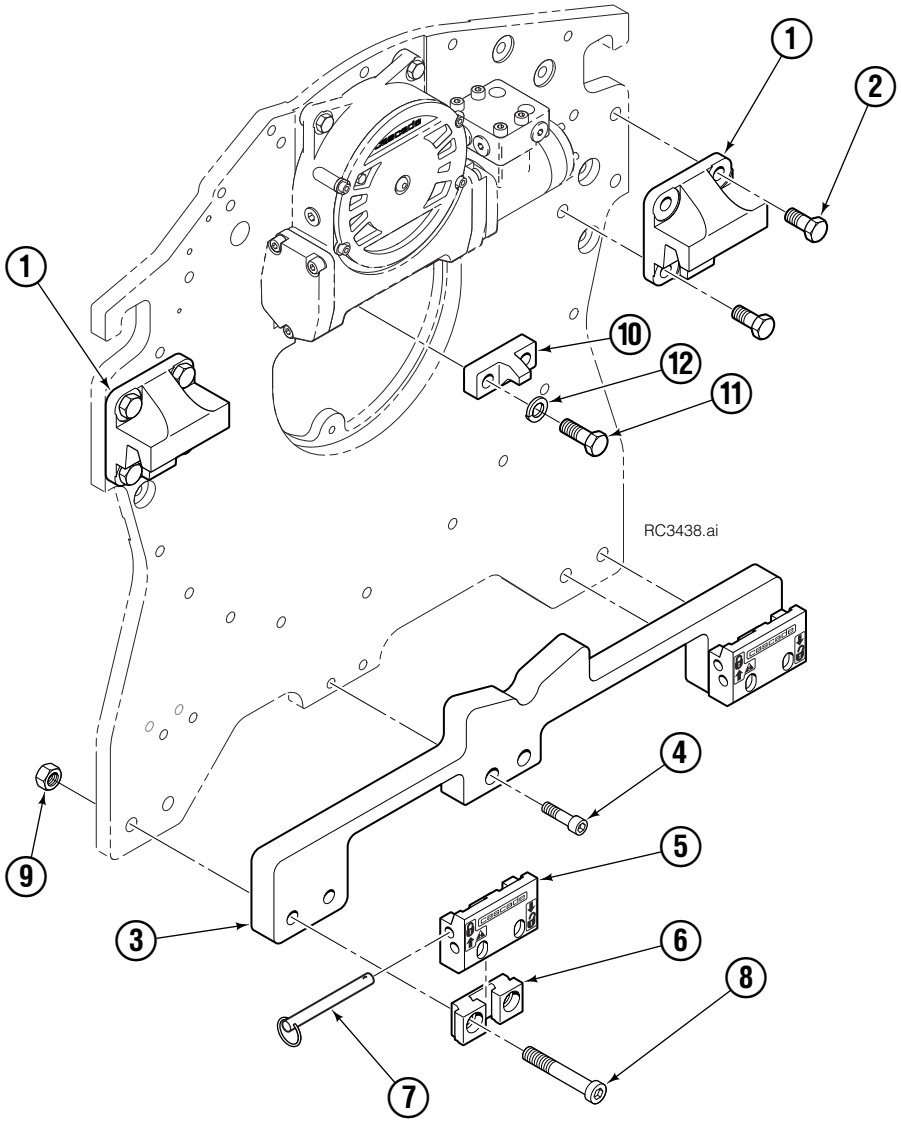
Contact Pad Group – Long Arm



REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6097056	Contact Pad Group – Long Arm r1	5	4	6823345	Drive Pin
	2	6097057	Contact Pad Assembly	6	2	6070669	Link
1	1	6089788	◆ Contact Pad	7	2	6821649	Clevis Pin
2	1	6089860	◆ Rubber Pad	8	2	6821671	Retaining Ring
3	12	213543	◆ Capscrew	9	4	6076106	Spring Anchor
4	2	6071792	Pin				

◆ Included in Contact Pad Assembly 6097057.

Mounting Group



Class III, 0°			
REF	**QTY**	**PART NO.**	**DESCRIPTION**
		6905375	Mounting Group
1	2	6884898	Upper Hook
2	8	684295	Capscrew, M16 x 35
3	1	6073121	Spacer
4	2	787376	Capscrew, M12 x 35
5	2	675957	Lower Hook
6	2	675958	Guide
7	2	678832	Pin
8	4	794978	Capscrew, M16 x 90
9	4	781534	Nut, M16
10	1	6087843	Centering Key
11	2	768839	Capscrew, M16 x 35
12	2	684586	Lockwasher, M16

PARTS ORDERING LOG

DATE	PURCHASE ORDER	SERIAL NUMBER	PAGE	REF NO.	QTY	CASCADE PART NO.	CUSTOMER PART NO.	DESCRIPTION	PRICE

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Cascade Corporation
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Fax: 888-329-0234

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

Cascade do Brasil
Rua João Guerra, 134
Macuco, Santos - SP
Brasil 11015-130
Tel: 55-13-2105-8800
Fax: 55-13-2105-8899

EUROPE-AFRICA

Cascade Italia S.R.L.
European Headquarters
Via Dell'Artigianato 1
37050 Vago di Lavagno (VR)
Italy
Tel: 39-045-8989111
Fax: 39-045-8989160

Cascade (Africa) Pty. Ltd.
PO Box 625, Isando 1600
60A Steel Road
Sparton, Kempton Park
South Africa
Tel: 27-11-975-9240
Fax: 27-11-394-1147

ASIA-PACIFIC

Cascade Japan Ltd.
2-23, 2-Chome,
Kukuchi Nishimachi
Amagasaki, Hyogo
Japan, 661-0978
Tel: 81-6-6420-9771
Fax: 81-6-6420-9777

Cascade Korea
121B 9L Namdong Ind.
Complex, 691-8 Gojan-Dong
Namdong-Ku
Inchon, Korea
Tel: +82-32-821-2051
Fax: +82-32-821-2055

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 India Material Handling Private Limited
No 34, Global Trade Centre
1/1 Rambaugh Colony
Lal Bahadur Shastri Road,
Navi Peth, Pune 411 030
(Maharashtra) India
Phone: +91 020 2432 5490
Fax: +91 020 2433 0881

Cascade Australia Pty. Ltd.
1445 Ipswich Road
Rocklea, QLD 4107
Australia
Tel: 1-800-227-223
Fax: +61 7 3373-7333

Cascade New Zealand
15 Ra Ora Drive
East Tamaki, Auckland
New Zealand
Tel: +64-9-273-9136
Fax: +64-9-273-9137

Sunstream Industries Pte. Ltd.
18 Tuas South Street 5
Singapore 637796
Tel: +65-6795-7555
Fax: +65-6863-1368

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