Parts Manual

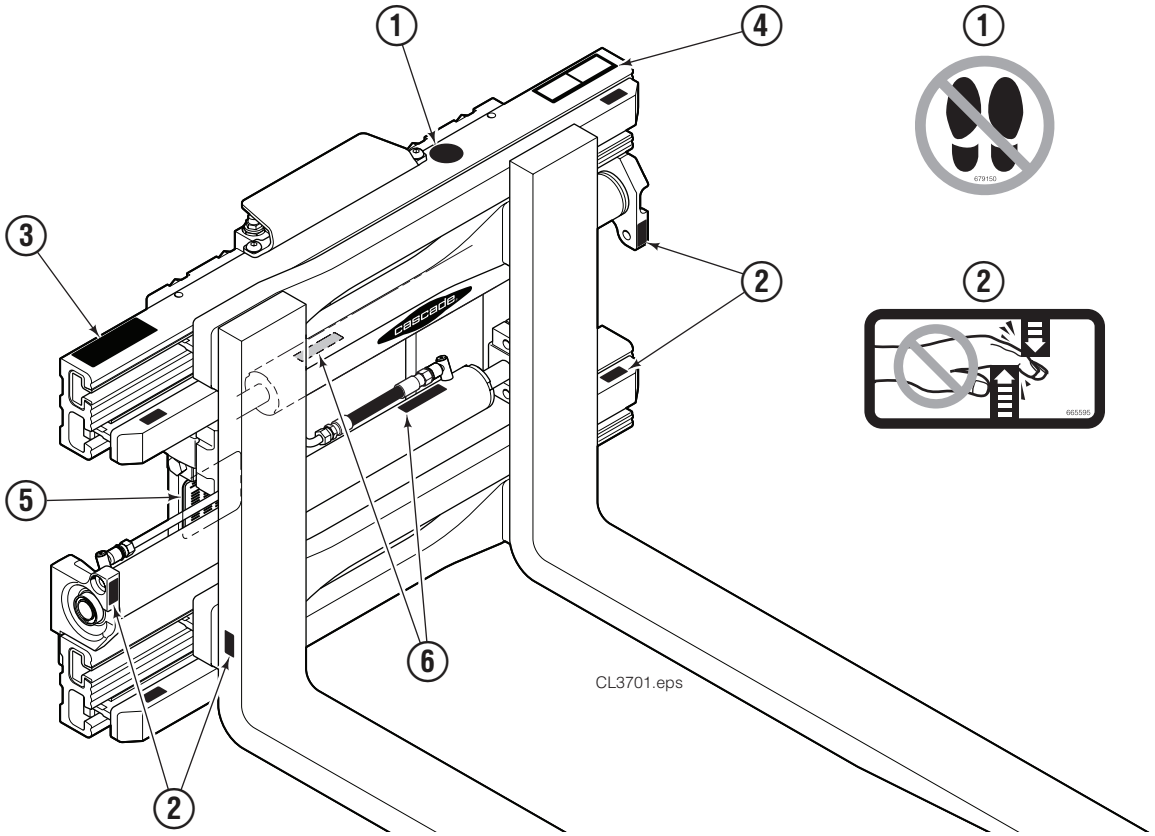
Model Rotating Fork Clamp

Catalog Number 170G85757

cascade® corporation

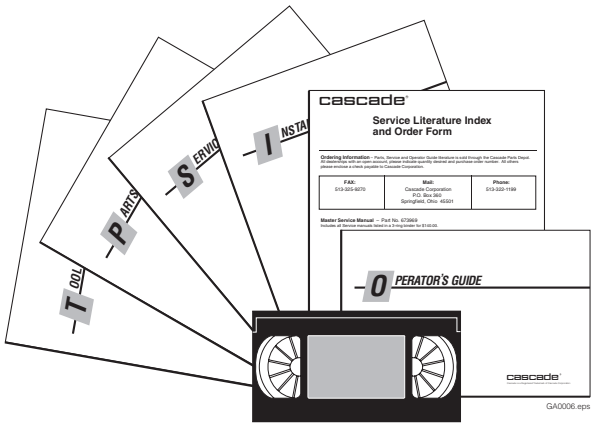
For Technical Assistance call: 800-227-2233, Fax: 888-329-8207
To Order Parts call: 888-227-2233, Fax: 888-329-0234
OR
Write: Cascade Corporation, P.O. Box 20187, Portland, OR 97220
Internet: www.cascorp.com

Safety Decals



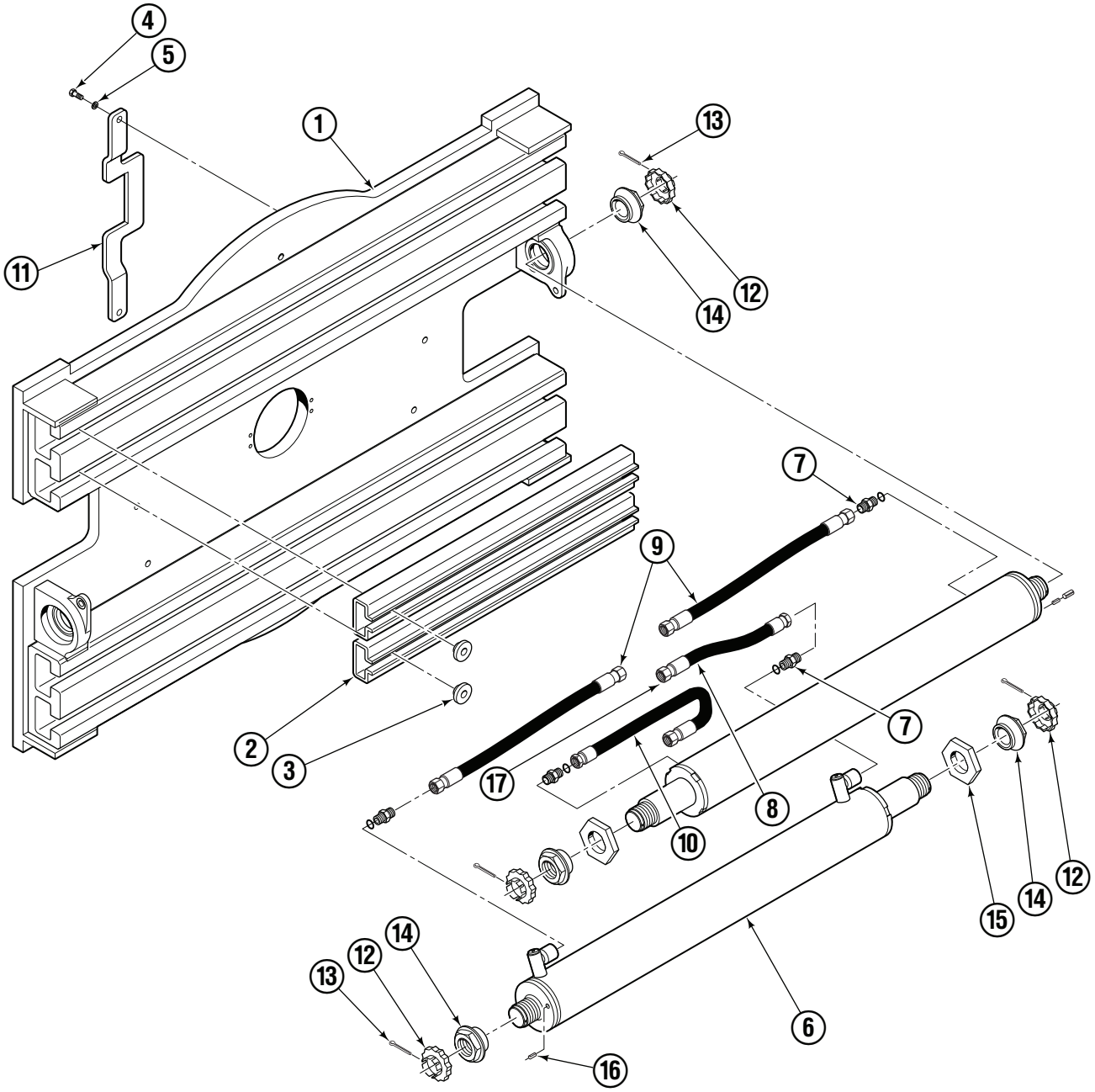
G Clamp			
REF	**QTY**	**PART NO.**	**DESCRIPTION**
1	1	679150	No Step Decal
2	8	665595	No Hand Hold Decal
3	1	6229149	Nameplate
4	1	6229145	Nameplate – Single Capacity
	1	6229013	Nameplate – Dual Capacity
5	1	655268	Patent Plate
6	2	6036376	Low Pressure Decal
	2	6036386	High Pressure Decal

Publications



G Clamp	
6033701	Installation Instructions
6033702	Operator Guide
6033703	Service Manual
677555	Driver Training Video – VHS
678363	Troubleshooting Video – VHS
680664	Servicing Cascade Cylinders – VHS
679929	Tool Catalog
673964	Literature Index Order Form

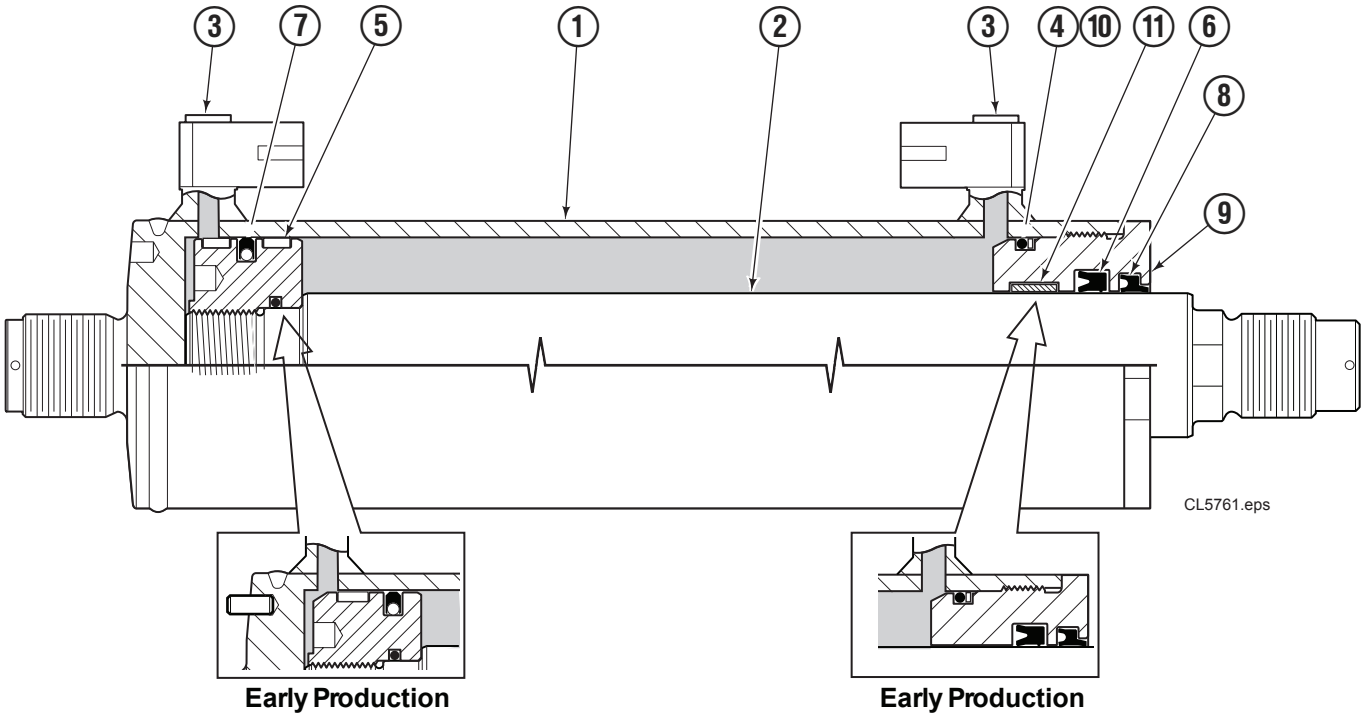
Rotator Frame Group



REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6564616	Rotator Frame Group	9	2	6564708	Hose
1	1	6564617	Faceplate	10	1	6535917	Hose
2	8	6564619	Bearing	11	1	6564680	Plate
3	16	6520437	Bearing Retainer Plug	12	4	677909	Retainer
4	2	684649	Capscrew	13	4	6513	Cotter Pin
5	2	681238	Washer	14	4	6523536	Nut
6	2	6564685	Cylinder ◆	15	2	6520022	Washer
7	4	6513284	Fitting	16	2	769045	Roll Pin
8	2	6564709	Hose	17	2	6513473	Fitting

◆ See Cylinder page for parts breakdown.

Cylinder

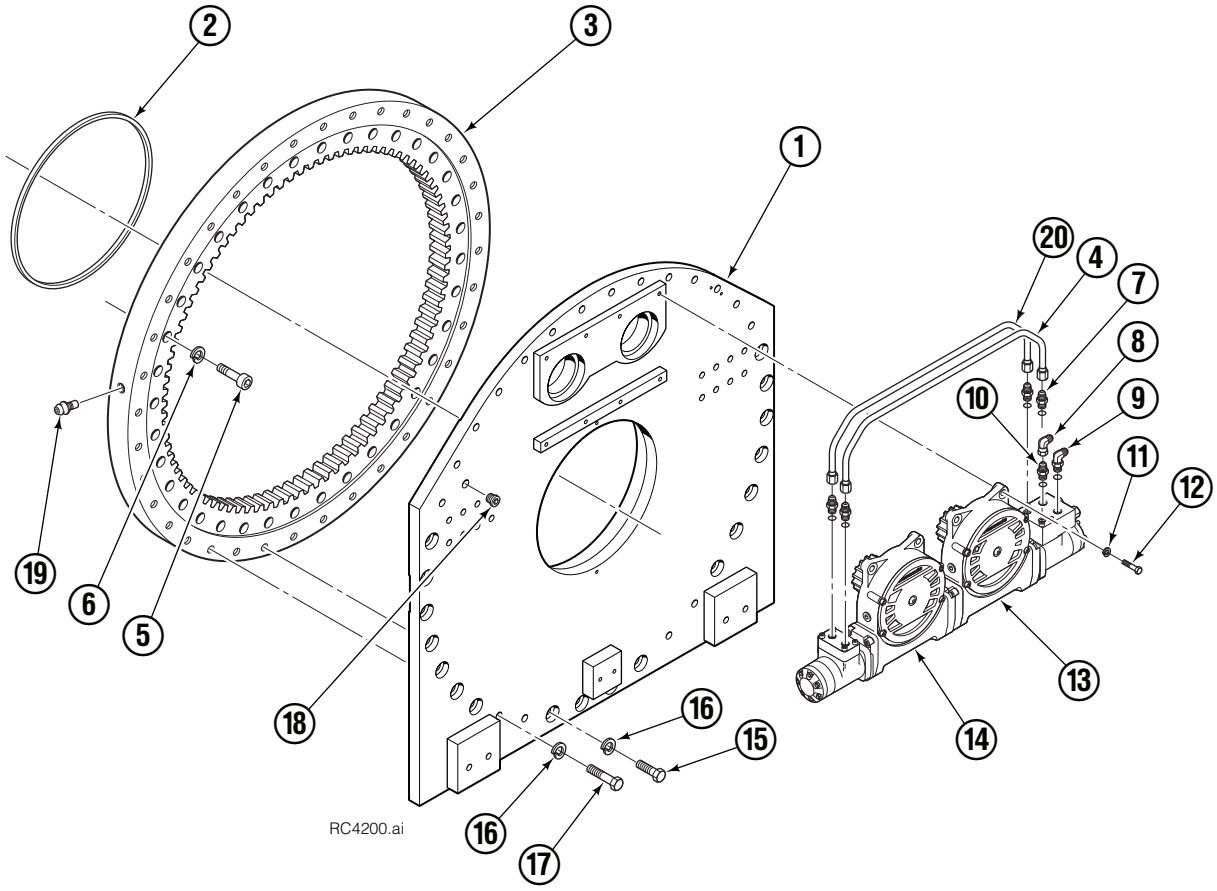


REF	QTY	PART NO.	DESCRIPTION
		6564685	Cylinder
1	1	6564687	Shell
2	1	6564686	Piston/Rod Assembly
3	2	662104	Plug
4	1	◆	O-Ring
5	2	◆	Guide Ring
6	1	◆	Rod Seal
7	1	◆	Piston Seal
8	1	◆	Rod Wiper
9	1	6531948	Retainer
10	1	◆	Backup Ring
11	1	◆	Bearing
		6531974	Service Kit

◆ Included in Service Kit 6531974. Also includes piston guide ring for early production cylinder.

Reference: S-50871.

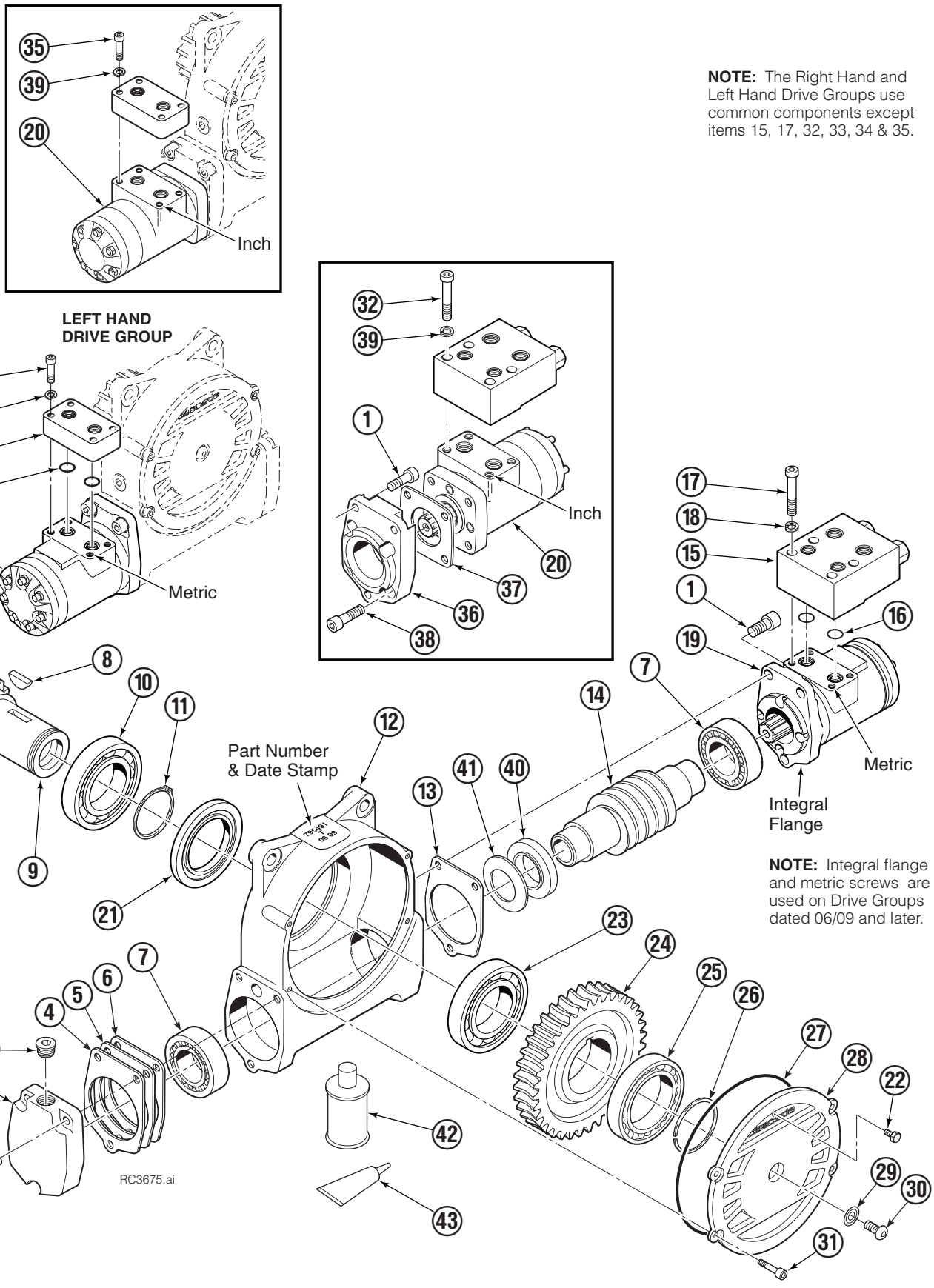
Rotator Group



REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6250177	Base Unit Group	11	8	681473	Lockwasher, M12
1	1	6250176	Baseplate	12	8	763021	Capscrew, M12 x 30
2	1	6039040	Seal	13	1	6883317	Drive Group – RH ●
3	1	681337	Bearing Assembly	14	1	6883318	Drive Group – LH ●
4	1	670786	Tube	15	18	751510	Capscrew, M20 x 65
5	36	769584	Capscrew, M20 x 70	16	36	681346	Lockwasher, M20
6	36	681467	Lockwasher, M20	17	18	768582	Capscrew, M20 x 80
7	4	662187	Fitting, 8-6	18	1	6612	Plug
8	1	605761	Fitting, 8-8	19	1	7401	Grease Fitting
9	1	601250	Fitting, 8-8	20	1	6878259	Tube
10	1	601377	Fitting, 8-8				

● See Drive Group page for parts breakdown.

Drive Group



NOTE: The Right Hand and Left Hand Drive Groups use common components except items 15, 17, 32, 33, 34 & 35.

NOTE: Integral flange and metric screws are used on Drive Groups dated 06/09 and later.

Drive Group

REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6883317	Drive Group – RH	23	1	6033892	Bearing ★
		6883318	Drive Group – LH	24	1	6095910	Worm Gear
1	6	769570	Capscrew, M12 x 25	25	1	670581	Bearing
2	1	211774	Cover	26	1	7214	Retaining Ring
3	1	604510	Plug	27	1	643423	O-Ring
4	●	670574	Shim – .010" (brown)	28	1	775552	Cover
5	●	671757	Shim – .015" (pink)	29	1	783609	Seal
6	●	671758	Shim – .020" (yellow)	30	1	783608	Capscrew, M10 x 16
7	2	670579	Bearing	31	4	200882	Capscrew, M8 x 20
8	1	670582	Key	32	4	607060	Capscrew, 5/16 x 2.00 – RH
9	1	681516	Pinion	33	1	670563	Manifold – LH
10	1	670560	Bearing	34	4	787375	Capscrew, M8 x 20 – LH
11	1	3160	Retaining Ring	35	4	607054	Capscrew, 5/16 x .75 – LH
12	1	211773	Housing	36	1	775553	Adapter
13	1	686465	Gasket	37	1	670575	Gasket
14	1	675608	Worm	38	4	4468	Capscrew, 3/8 x .75
15	1	670561	Check Valve – RH ■	39	4	6444	Lockwasher, 5/16
16	2	2705	O-Ring	40	1	672448	Washer ▼
17	4	766123	Capscrew, M8 x 50 – RH	41	1	672449	Washer Spring ▼
18	4	787384	Lockwasher, M8	42	1	656300	Gear Box Lube, 48 oz.
19	1	6880426	Drive Motor – 2.8 c.i. ◆	43	1	668184	Sealant
20	1	6880426	Drive Motor – 2.8 c.i. ◆			670578	Shim Service Kit
21	1	6804963	Oil Seal ▲			675637	Bearing Service Kit
22	1	644010	Relief Fitting			675638	Bearing Service Kit

● Quantity as required.

■ See Check Valve page for parts breakdown.

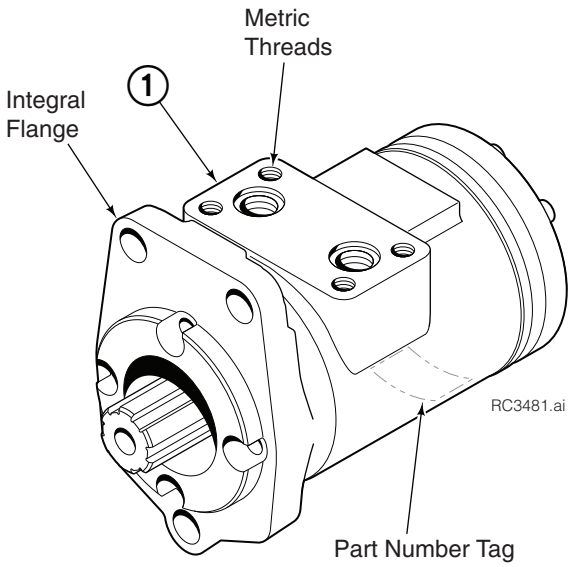
◆ See Drive Motor page for parts breakdown.

★ For service replacement use Bearing 670580.

▲ Used on Drive Groups dated 02/10 and later.

▼ Used on Drive Groups dated 02/10 and earlier.

Drive Motor

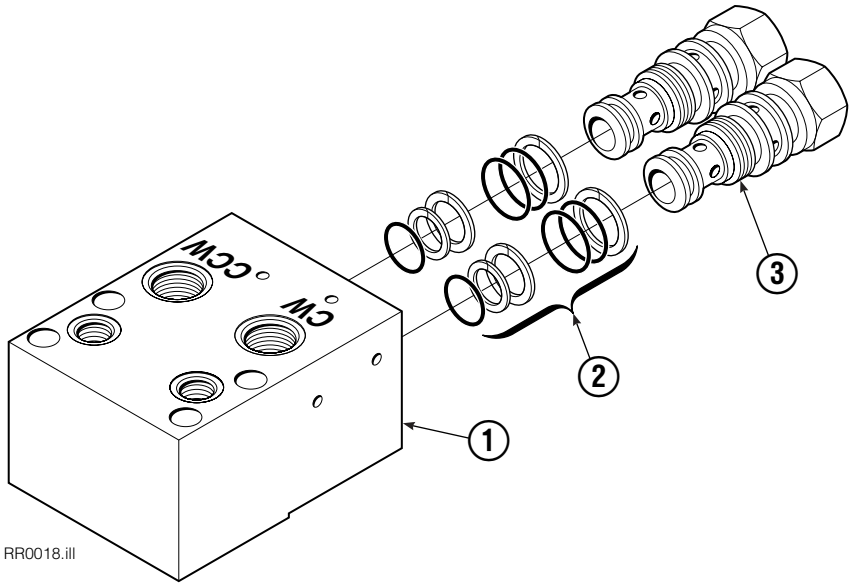


REF	QTY	PART NO.	DESCRIPTION
1	1	6880426	Drive Motor – 2.8 c.i.
●	1	206405	Service Kit

● Compatible with water glycol based hydraulic fluids.

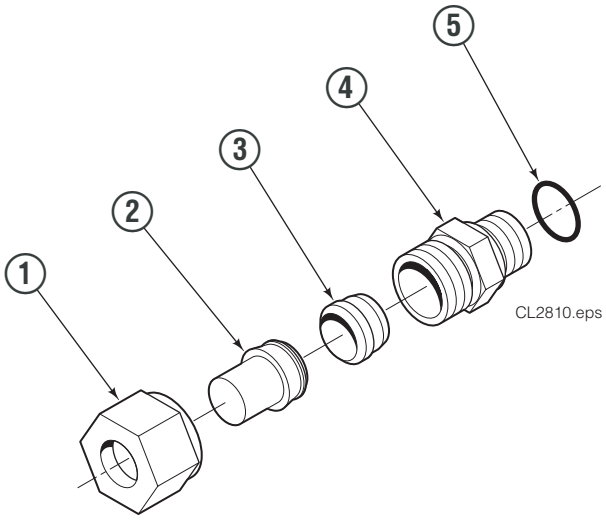
Cascade provides service replacement parts for the listed parts only. Due to cost, if other parts need replacement, the complete drive motor should be replaced.

Check Valve



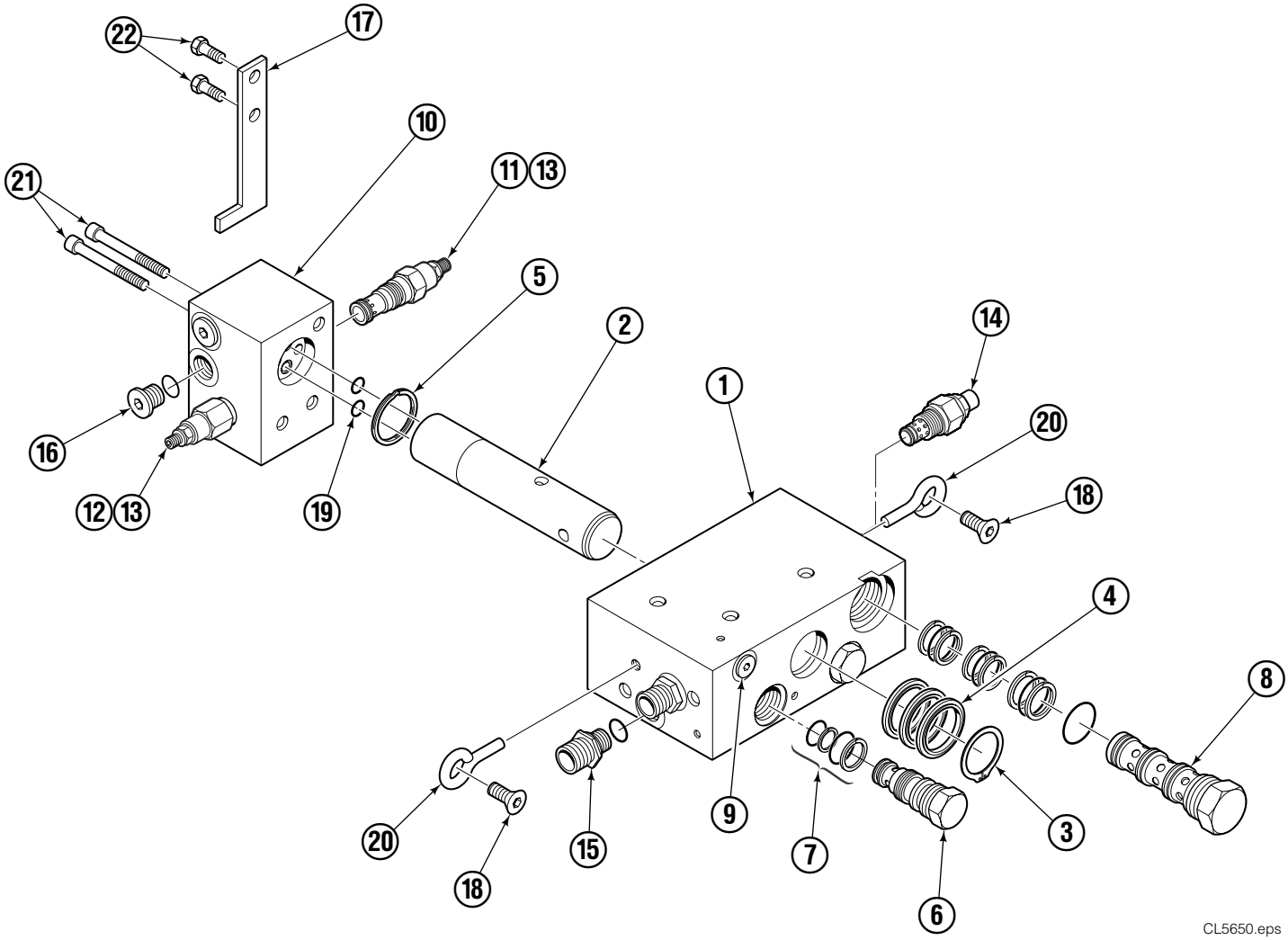
REF	QTY	PART NO.	DESCRIPTION
		670561	Check Valve Assembly
1	1	670583	Valve Body
2	2	656223	Seal Kit
3	2	665097	Check Valve Cartridge

Fitting Group



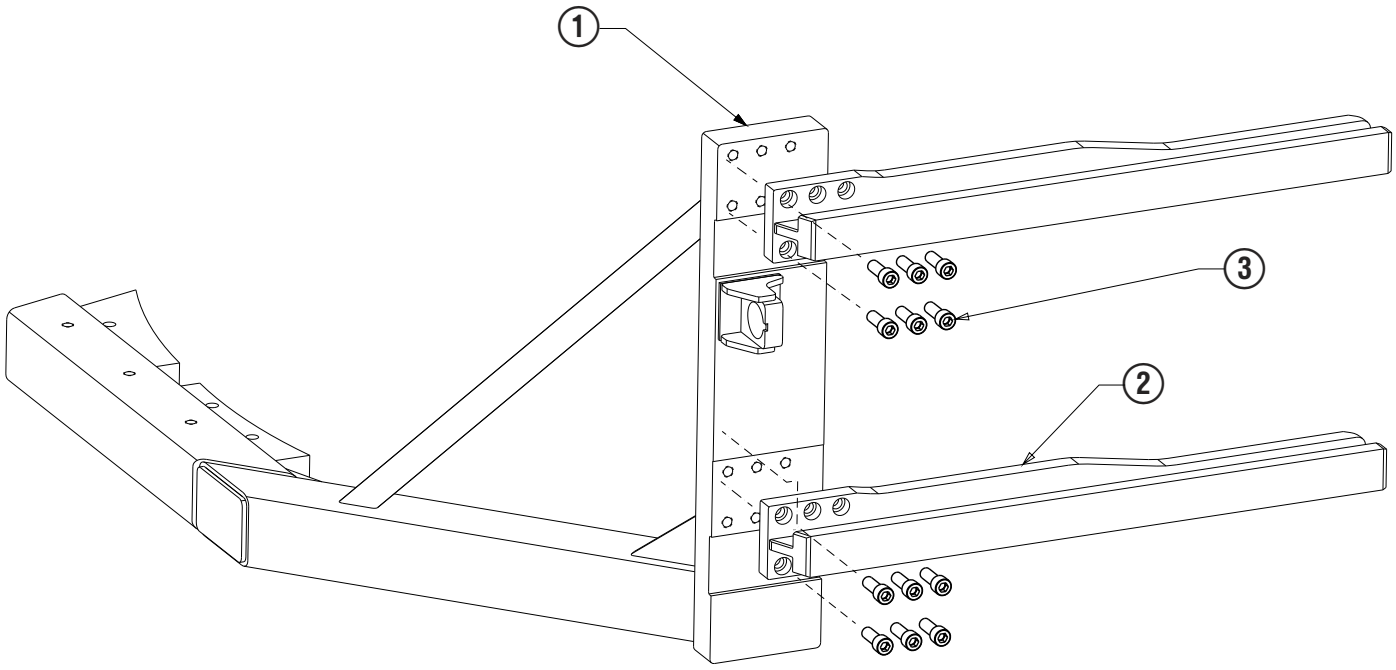
REF	QTY	PART NO.	DESCRIPTION
		6526053	Fitting Group
1	4	765724	Nut, M15
2	4	6014813	Plug, M15
3	4	751725	Ferrule
4	4	765723	Fitting, SAE 8 – M15 L-Series
5	4	2841	O-Ring

Revolving Connection Group



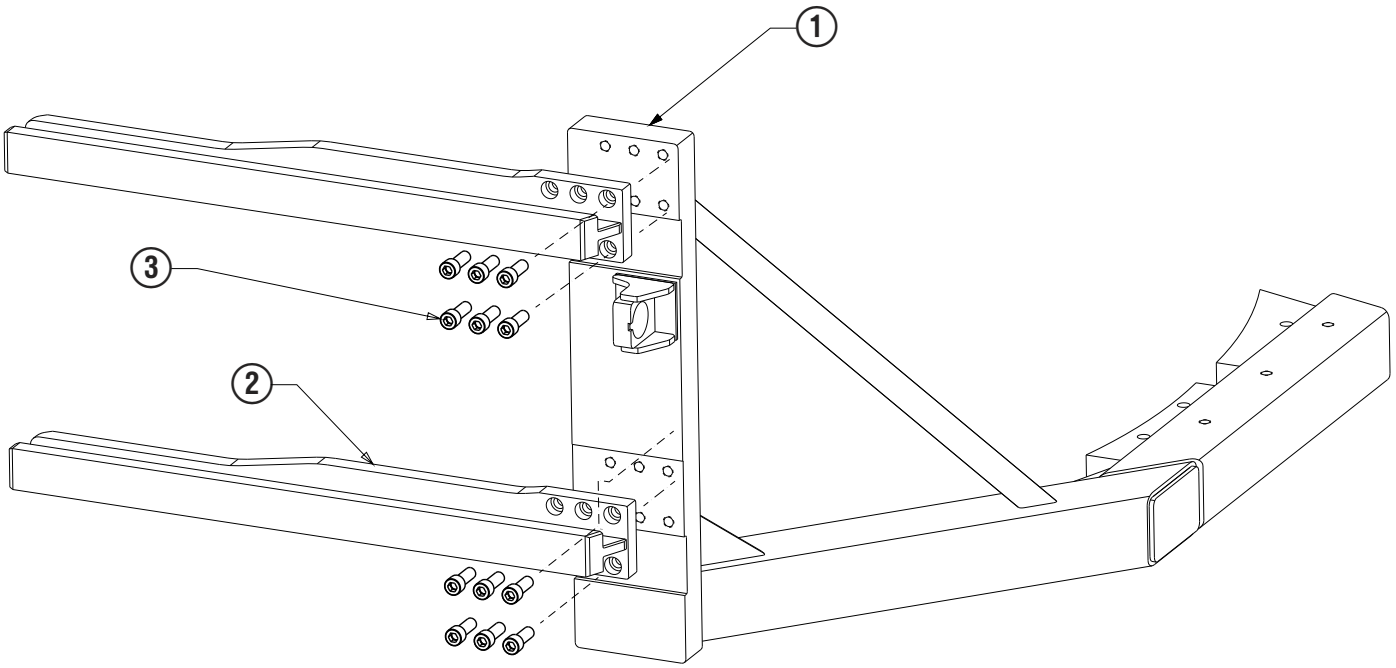
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		6832461	Revolving Connection Group	12	1	6814504	Relief Valve Cartridge
1	1	6832460	Valve Assembly	13	2	208769	Seal Kit
2	1	6832454	Shaft	14	1	6058078	Cross-Over Relief Valve Cartridge
3	1	3138	Retaining Ring	15	4	778099	Fitting
4	3	214649	Seal	16	2	602580	Plug
5	1	7341	Retaining Ring	17	1	6827435	Keeper Bar
6	2	661816	PO Check Valve Cartridge	18	2	768697	Capscrew, M10 x 25
7	2	656223	Seal Kit	19	2	676959	O-Ring
8	1	6037810	Flow Divider/Combiner Cartridge	20	2	227962	Eye Pin
9	1	604510	Plug	21	2	768802	Capscrew, M8 x 70
10	1	6827186	End Block	22	2	212632	Capscrew, M10 x 20
11	1	211230	Relief Valve Cartridge				

Arm Group Lh



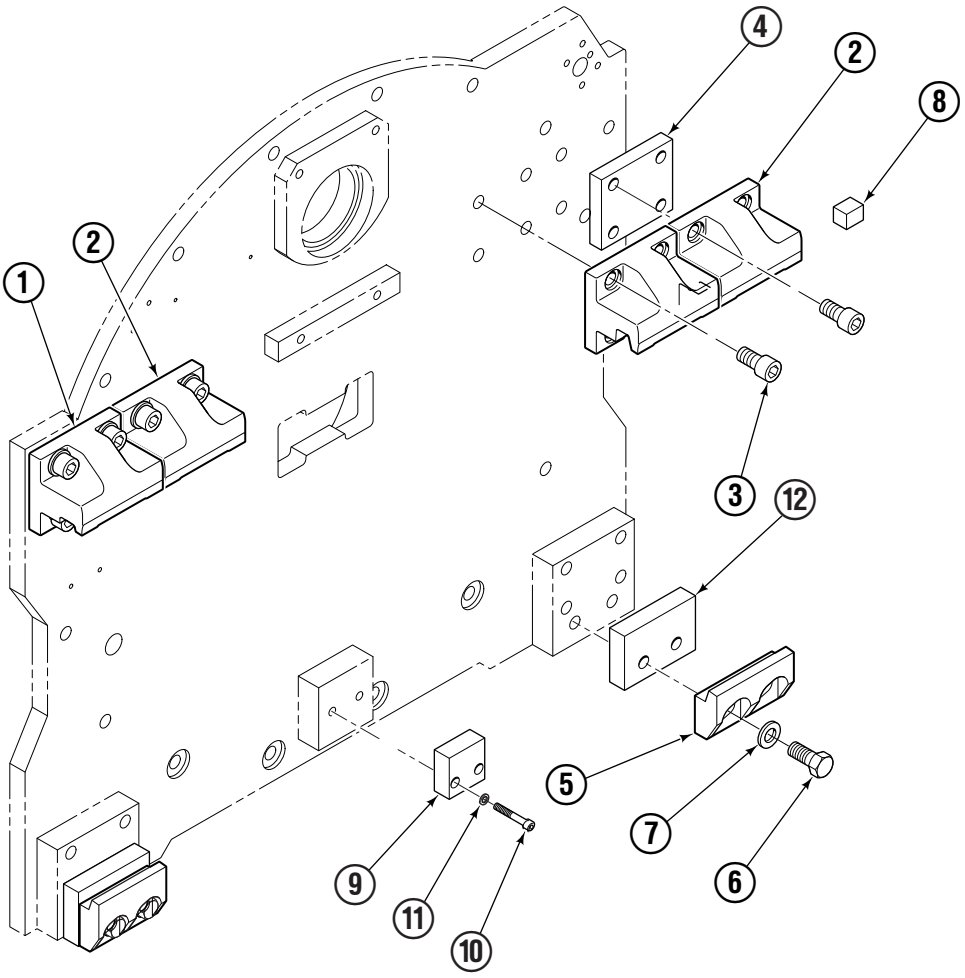
REF	QTY	PART NO.	DESCRIPTION
		6564641	Arm Group – LH
1	1	6564642	Arm
2	2	6564688	Arm Bar
3	12	676840	Capscrew

Arm Group Rh



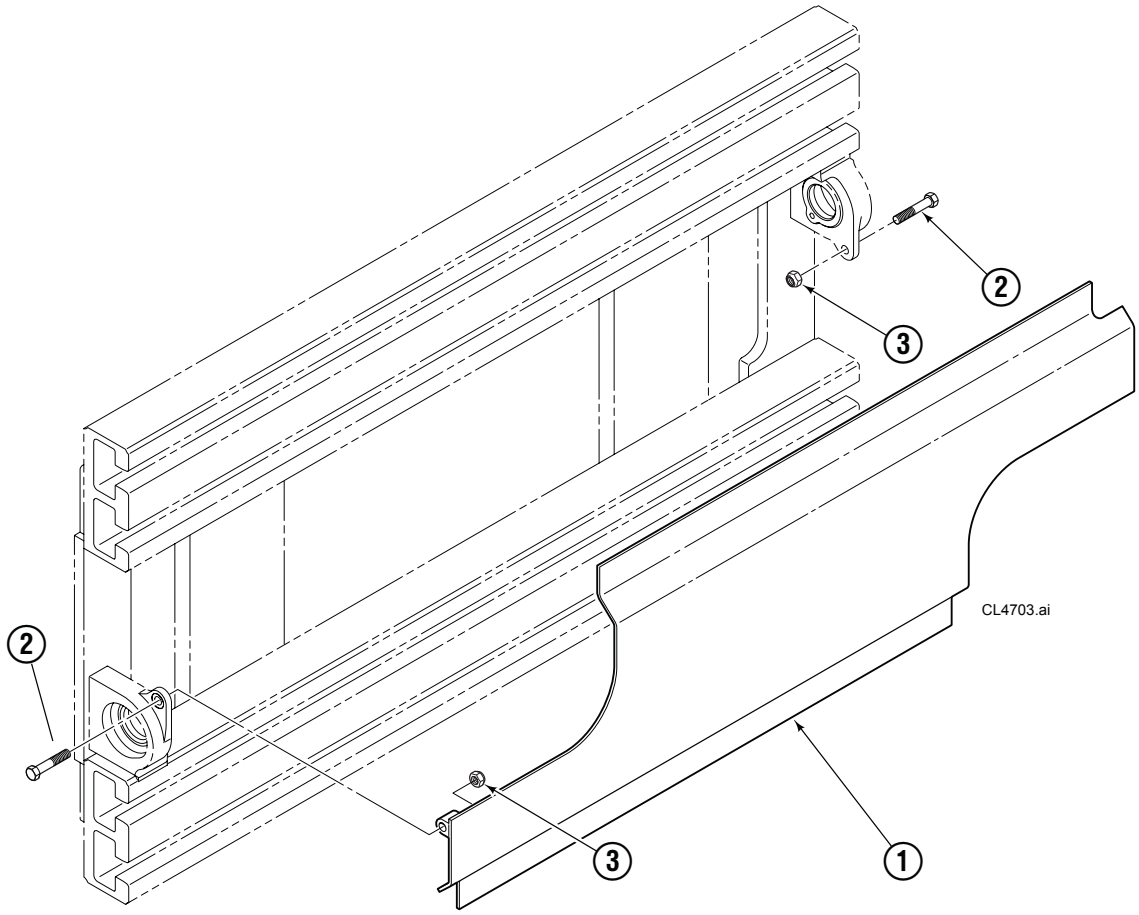
REF	QTY	PART NO.	DESCRIPTION
		6564623	Arm Group – RH
1	1	6564624	Arm
2	2	6564688	Arm Bar
3	12	676840	Capscrew

Mounting Group



Class IV, 2°			
REF	**QTY**	**PART NO.**	**DESCRIPTION**
		6278484	Mounting Group
1	1	775970	Upper Hook, LH
2	3	775971	Upper Hook, RH
3	16	6062821	Capscrew, M20 x 65
4	4	6245359	Spacer
5	2	679832	Lower Hook
6	4	6042873	Capscrew, M20 x 75
7	4	670692	Washer
8	1	670704	Stop Block Kit
9	1	355413	Center Spacer
10	2	763021	Capscrew, M12x30
11	2	683822	Lockwasher, M12
12	1	6278498	Spacer

Bumper Group



REF	QTY	PART NO.	DESCRIPTION
		6882952	Bumper Group
1	1	6882953	Bumper
2	2	768414	Capscrew
3	2	773842	Nut

Reference: S-56335

PARTS ORDERING LOG

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

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