



Parts Manual

Model Turn-A-Fork Clamp

Serial Number 40D-CTS-117

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

Safety Decals



REF	QTY	PART NO.	DESCRIPTION
1	2	665595	No Hand Hold Decal
2	2	679150	No Step Decal

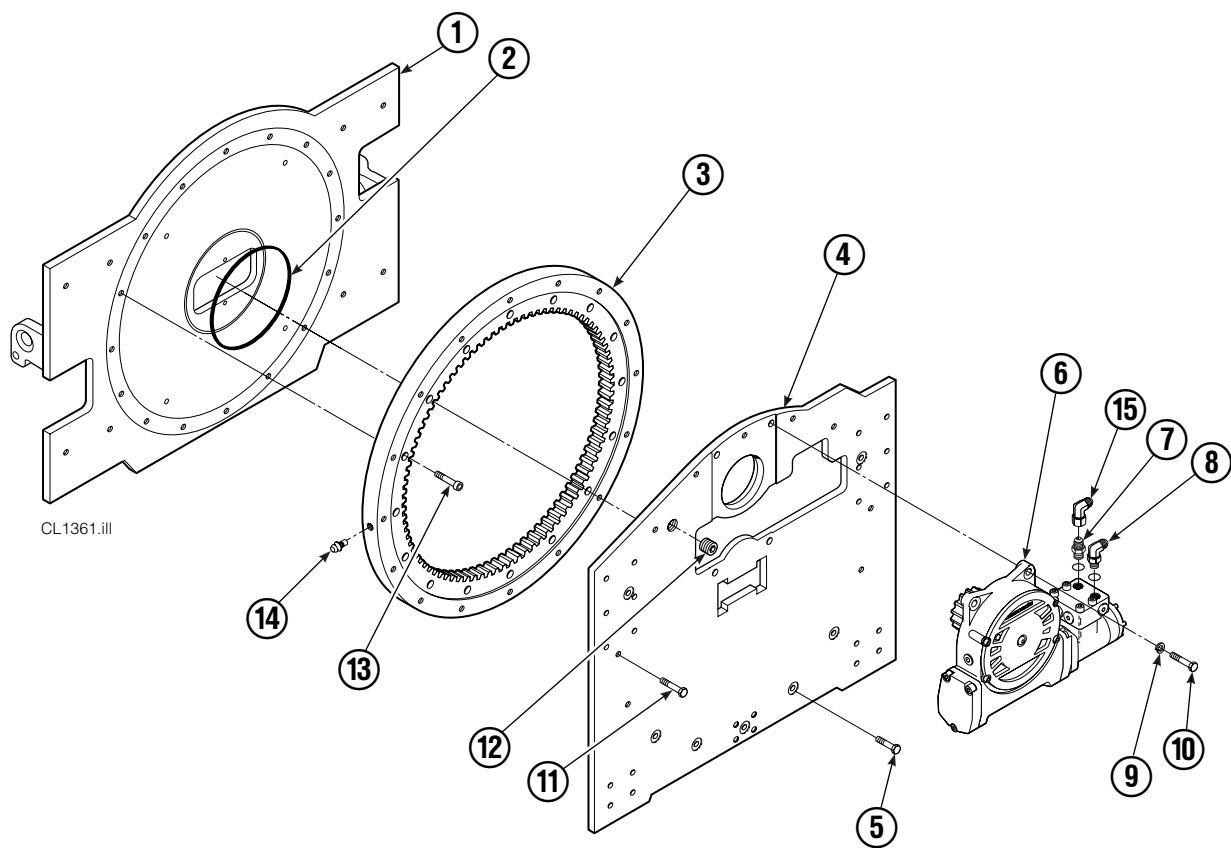


Publications



PART NO.	DESCRIPTION
672362	Service Manual
672903	Operators Guide
672361	Installation Instructions
680664	Servicing Cascade Cylinders-VHS
679929	Tool Catalog
673964	Literature Index Order Form

Rotator Group



40D			
REF	QTY	PART NO.	DESCRIPTION
		387498	Rotator Group
1	1	387499	Faceplate
2	1	670931	Seal
3	1	672828	Bearing Assembly
4	1	687229	Baseplate
5	7	643538	Capscrew, 1/2 NC x 1.50 GR8
6	1	795491	Drive Group ▲
7	1	601377	Fitting, 8-8
8	1	601250	Fitting, 8-8
9	4	6290	Lockwasher, 1/2 in. ID
10	4	661742	Capscrew, 1/2 NC x 1.25 GR5
11	9	643539	Capscrew, 1/2 NC x 1.75 GR8
12	1	6605	Plug
13	16	4505	Capscrew, 1/2 NC x 1.25
14	1	7401	Grease Fitting
15	1	605761	Fitting, 8-8
		672481	Bearing Service Kit, Items 3 & 13

▲ See Drive Group page for parts breakdown.

Reference: Common Parts Group 680700, SK-5649, SK-5343.

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.

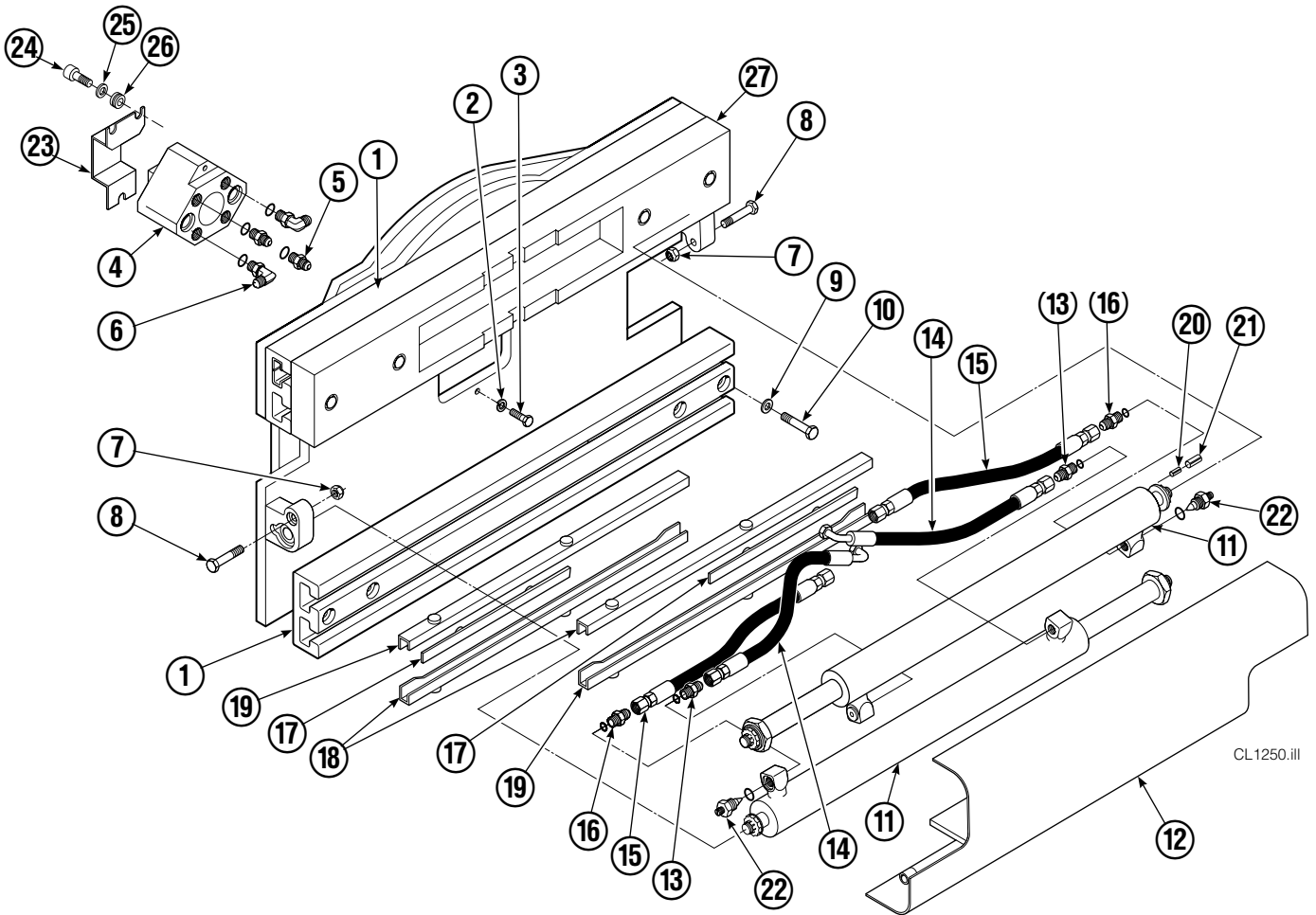
● Compatible with water glycol based hydraulic fluids.

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

Frame Group



40D							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		387513	Frame Group	14	2	390968	Hose
1	2	674167	Frame	15	2	678027	Hose
2	2	686119	Lockwasher, M8	16	2	686369	Fitting
3	2	765352	Capscrew, M8 x 30	17	4	667663	Bearing
4	1	686420	Revolving Connection ■	18	4	668904	Bearing
5	2	604511	Fitting, 6-6	19	4	668905	Bearing
6	2	601676	Fitting, 6-6	20	2	7882	Roll Pin - Inner
7	2	665707	Nut, 1/2 in. ID	21	2	7961	Roll Pin - Outer
8	2	3660	Capscrew, 1/2 NC x 2.50	22	2	667609	Restrictor Cartridge ●
9	8	667225	Washer, 5/8 in. ID	23	1	209067	End Block Bracket
10	8	387512	Capscrew	24	3	665992	Shoulder Bolt
11	2	555435	Cylinder ▲	25	3	209021	Washer, M10
12	1	678679	Bumper	26	3	208765	Grommet
13	2	611288	Fitting, 6-8	27	2	387514	Spacer

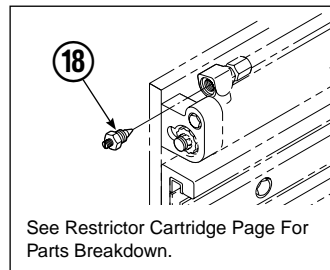
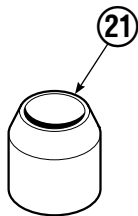
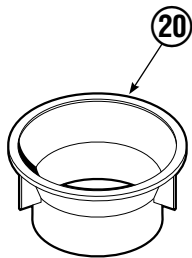
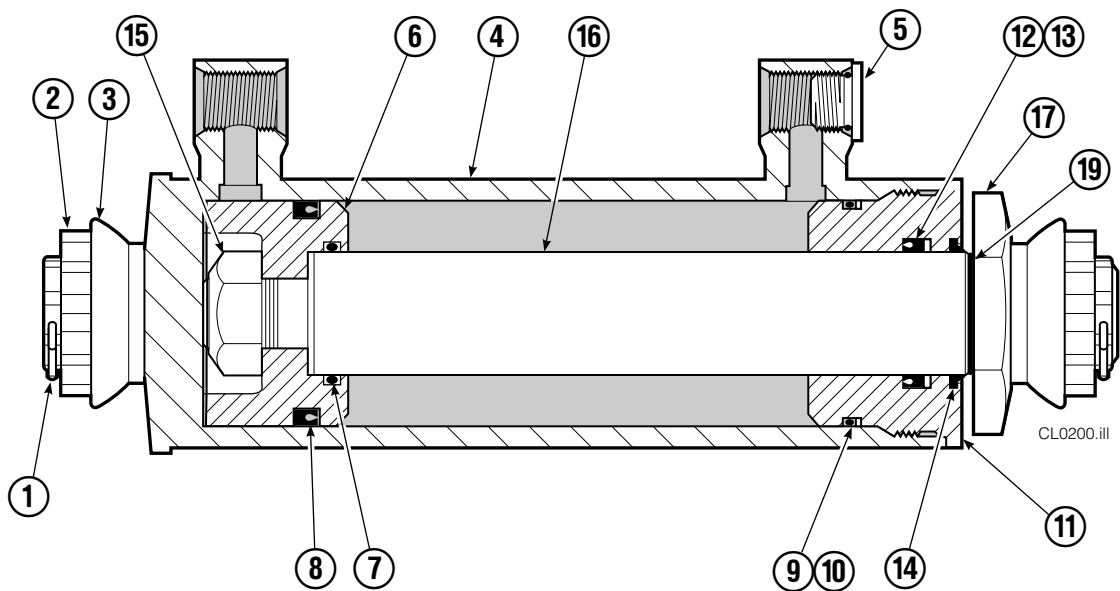
■ See Revolving Connection page for parts breakdown.

▲ See Cylinder page for parts breakdown.

● See Restrictor Cartridge page for parts breakdown.

Reference: SK-5659.

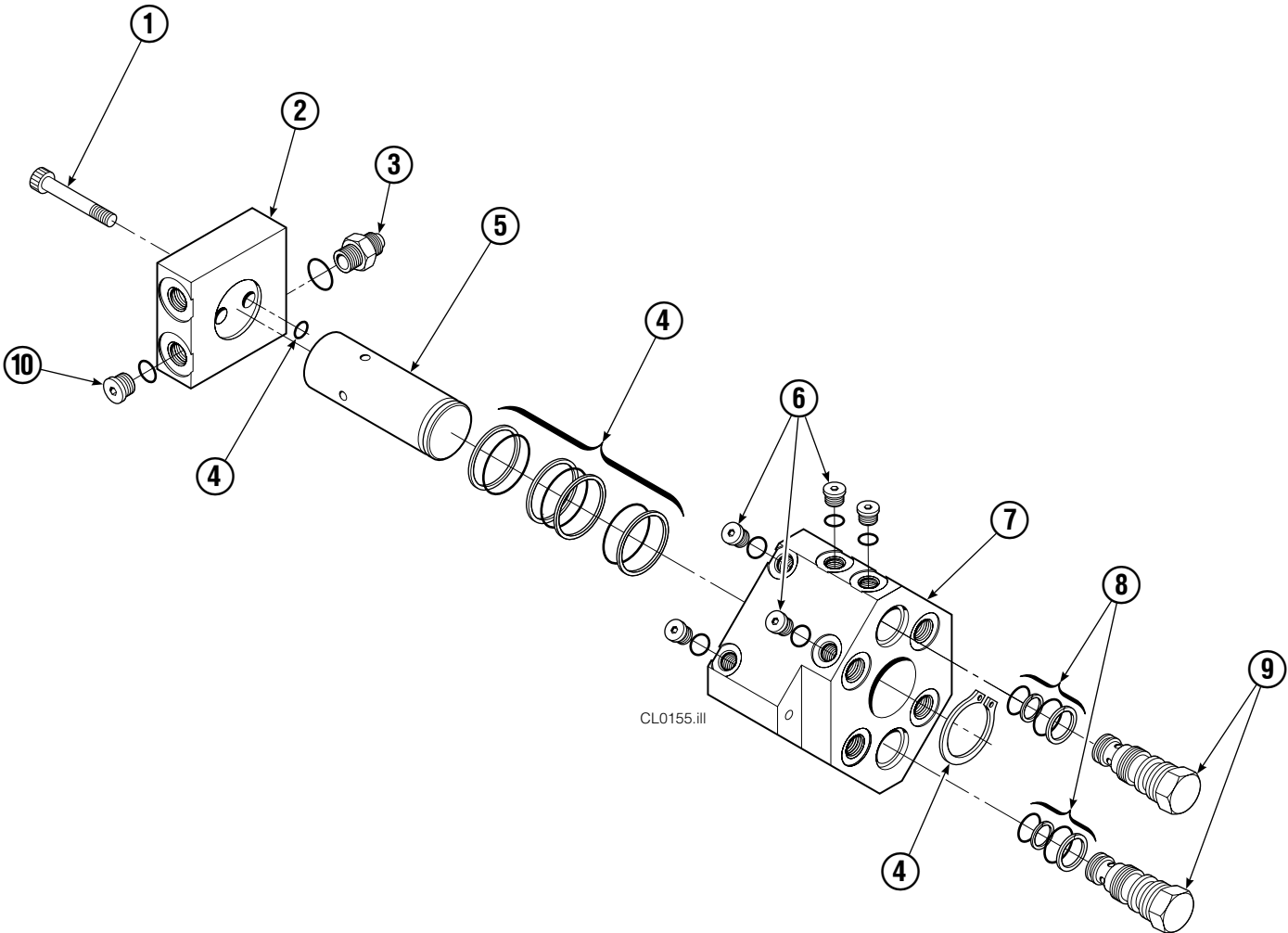
Cylinder



40D			
REF	QTY	PART NO.	DESCRIPTION
		555435	Cylinder Assembly
1	2	6511	■ Cotter Pin
2	2	667667	■ Nut Retainer
3	2	667668	■ Nut
4	1	555436	Shell
5	1	602580	Fitting
6	1	558400	Piston
7	1	2716	▲ O-Ring
8	1	662454	▲ Seal
9	1	2787	▲ O-Ring
10	1	615130	▲ Back-Up Ring
11	1	667917	Retainer
12	1	662448	▲ Seal
13	1	638243	▲ Nylon Ring
14	1	636853	▲ Wiper
15	1	667623	Nut
16	1	555437	Rod
17	1	555439	Washer
18	1	667609	Restrictor Cartridge ●
19	1	555440	Retaining Ring
20	1	671048	▲ Seal Loader, Piston
21	1	671051	▲ Seal Loader, Retainer
		667995	Service Kit

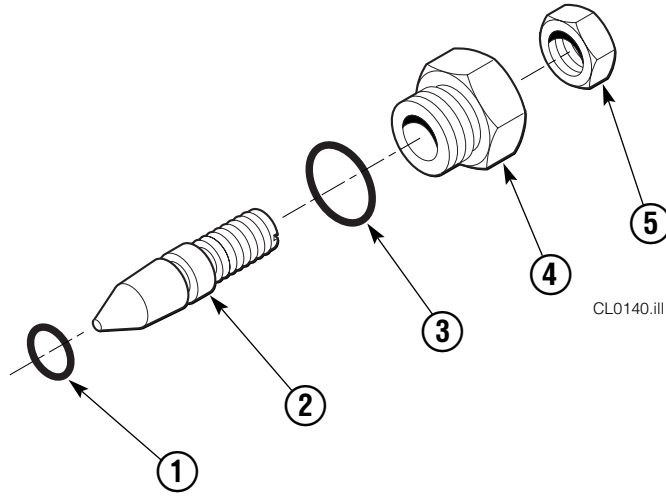
- ▲ Included in Service Kit 667995.
 - Included in Nut Service Kit 668925.
 - Not included in Cylinder Assembly.
- Ref: S-6055, S-6056.

Revolving Connection



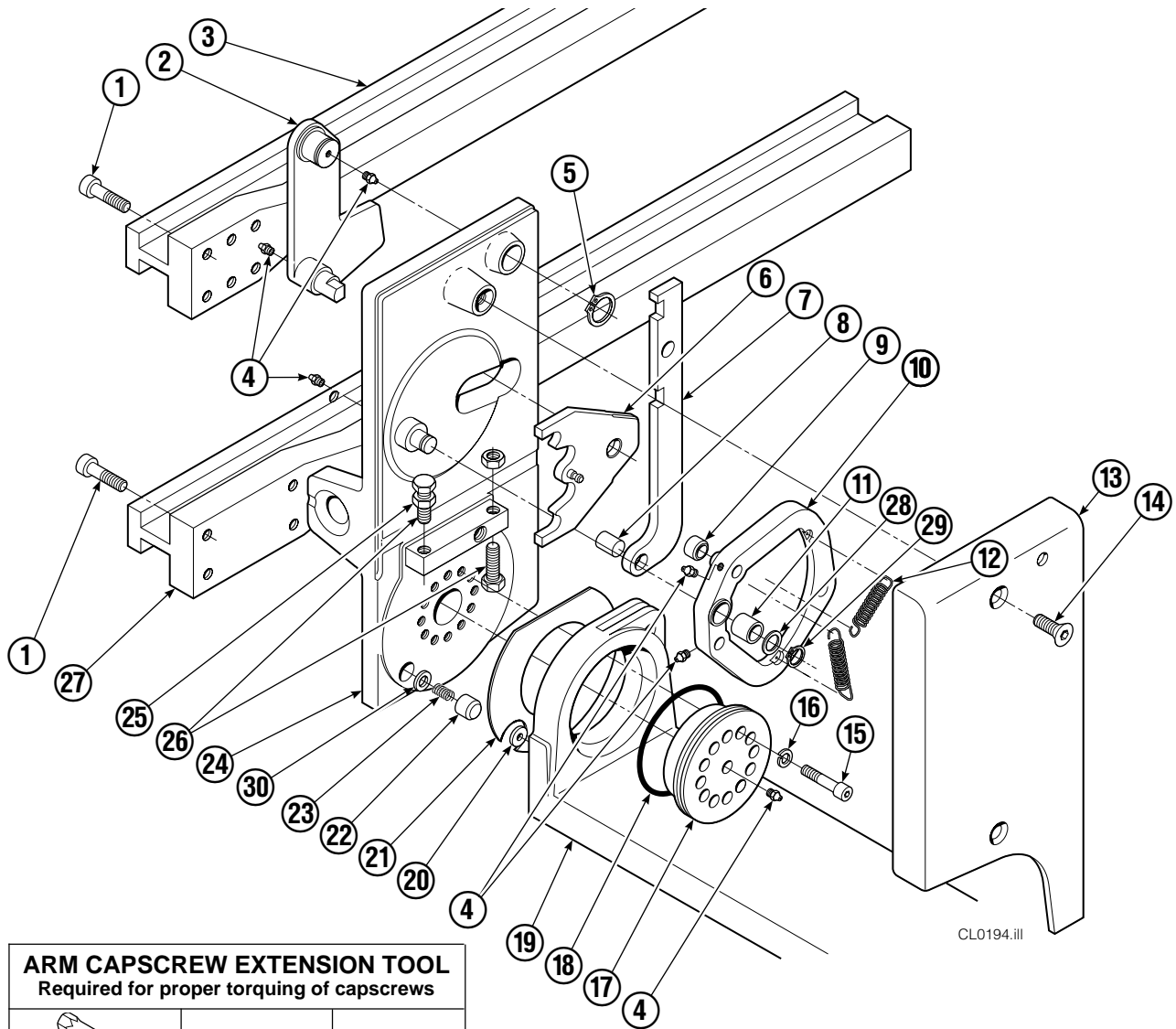
35D/50D			
REF	QTY	PART NO.	DESCRIPTION
		686420	Revolving Connection
1	2	768795	Capscrew, M8 x 1,25 x 30 x 8.8
2	1	686421	End Block
3	2	604511	Fitting, 6-6
4	1	687237	Service Kit
5	1	686422	Shaft
6	5	663694	Fitting, 3
7	1	686423	Body
8	2	667516	Check Valve Service Kit
9	2	678376	Check Valve
10	2	604510	Fitting, 6


Restrictor Cartridge



REF	QTY	PART NO.	DESCRIPTION
		667609	Restrictor Cartridge
1	1	2701	O-Ring
2	1	667611	Plunger
3	1	2841	O-Ring
4	1	667610	Plug - Special
5	1	5716	Jam Nut

Arm Group

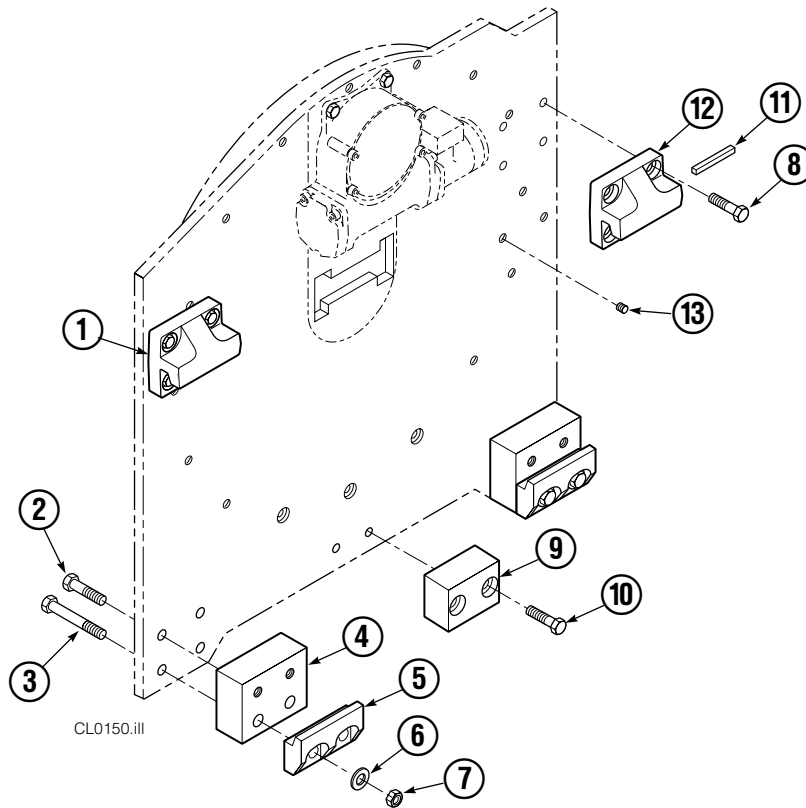


ARM CAPSCREW EXTENSION TOOL Required for proper torquing of capscrews		
	40D	667699

40D

REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		387501	Arm Group – RH	15	12	4309	Capscrew, 1/2 NF x 2.25
		387502	Arm Group – LH	16	12	6374	Lockwasher
1	10	607105	Capscrew, 3/4 NC x 2.00 GR8	17	1	669205	Bearing
2	1	672041	Actuator – RH	18	1	2815	O-Ring
	1	672040	Actuator – LH	19	1	387503	Arm – RH
3	1	669197	Arm Bar – Upper		1	387506	Arm – LH
4	6	7401	Grease Fitting	20	1	621248	Bushing
5	1	7192	Snap Ring	21	1	602025	Wear Plate
6	1	600305	Selector	22	1	600318	Detent Pin
7	1	600315	Crank	23	1	600319	Detent Spring
8	1	600316	Pin		1	672037	Arm Carrier – RH
9	1	600313	Bushing	24	1	672034	Arm Carrier – LH
10	1	672043	Bell Crank Assembly	25	2	5721	Nut
11	1	600312	Bushing	26	2	3385	Capscrew, 3/4 NF x 1.75
12	2	672047	Spring	27	1	669200	Arm Bar – Lower
13	1	672051	Cover – RH	28	1	672045	Washer
	1	672050	Cover – LH	29	1	3128	Snap Ring
14	2	4780	Capscrew, 5/8 NC x 1.25 GR8	30	2	201816	Washer

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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