



Parts Manual

Model Single-Double Pallet Handler

Serial Number 50D-ES-195

cascade[®]
corporation

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

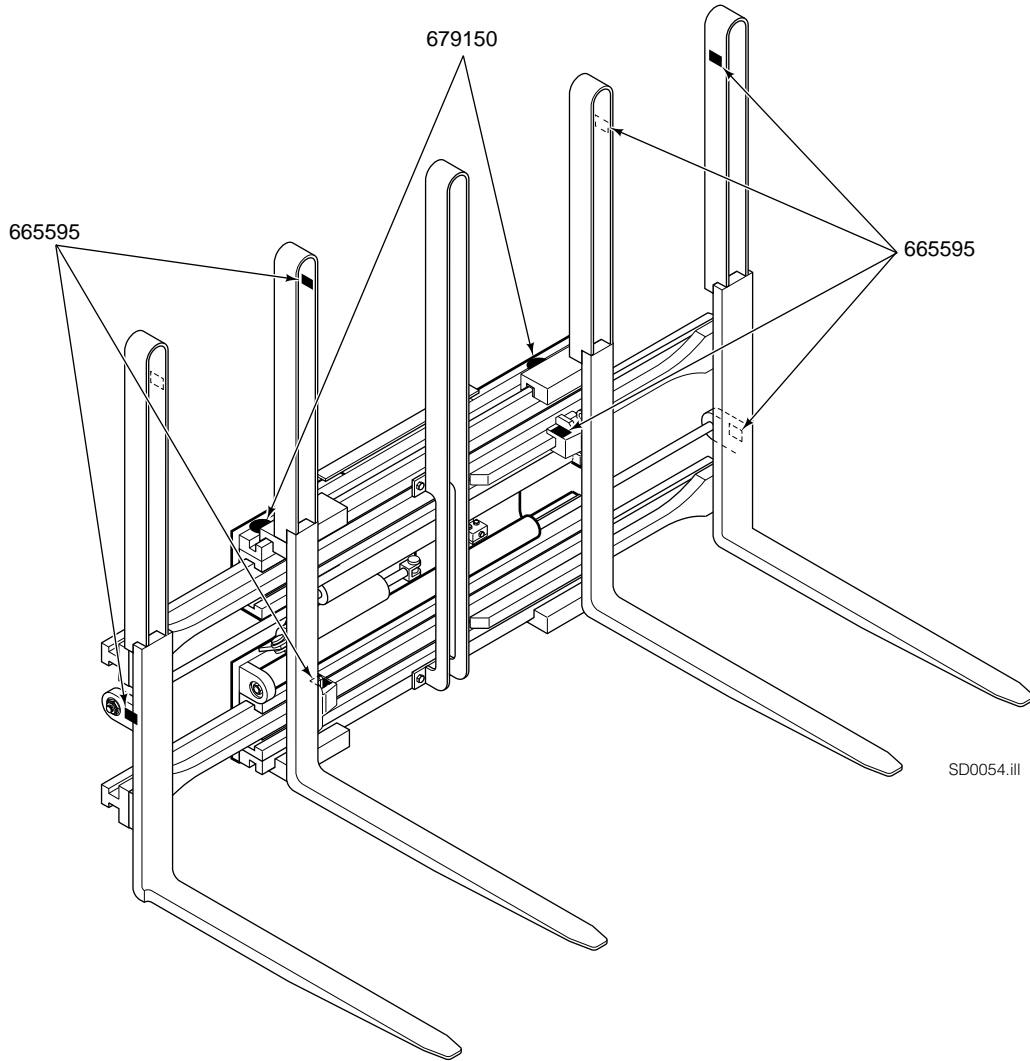
To Order Parts call: 888-227-2233, Fax: 888-329-0234

OR

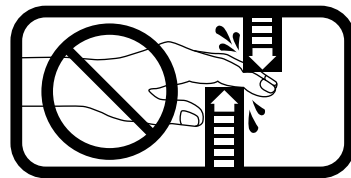
Write: Cascade Corporation, P.O. Box 20187, Portland, OR 97220

Internet: www.cascorp.com

Safety Decals

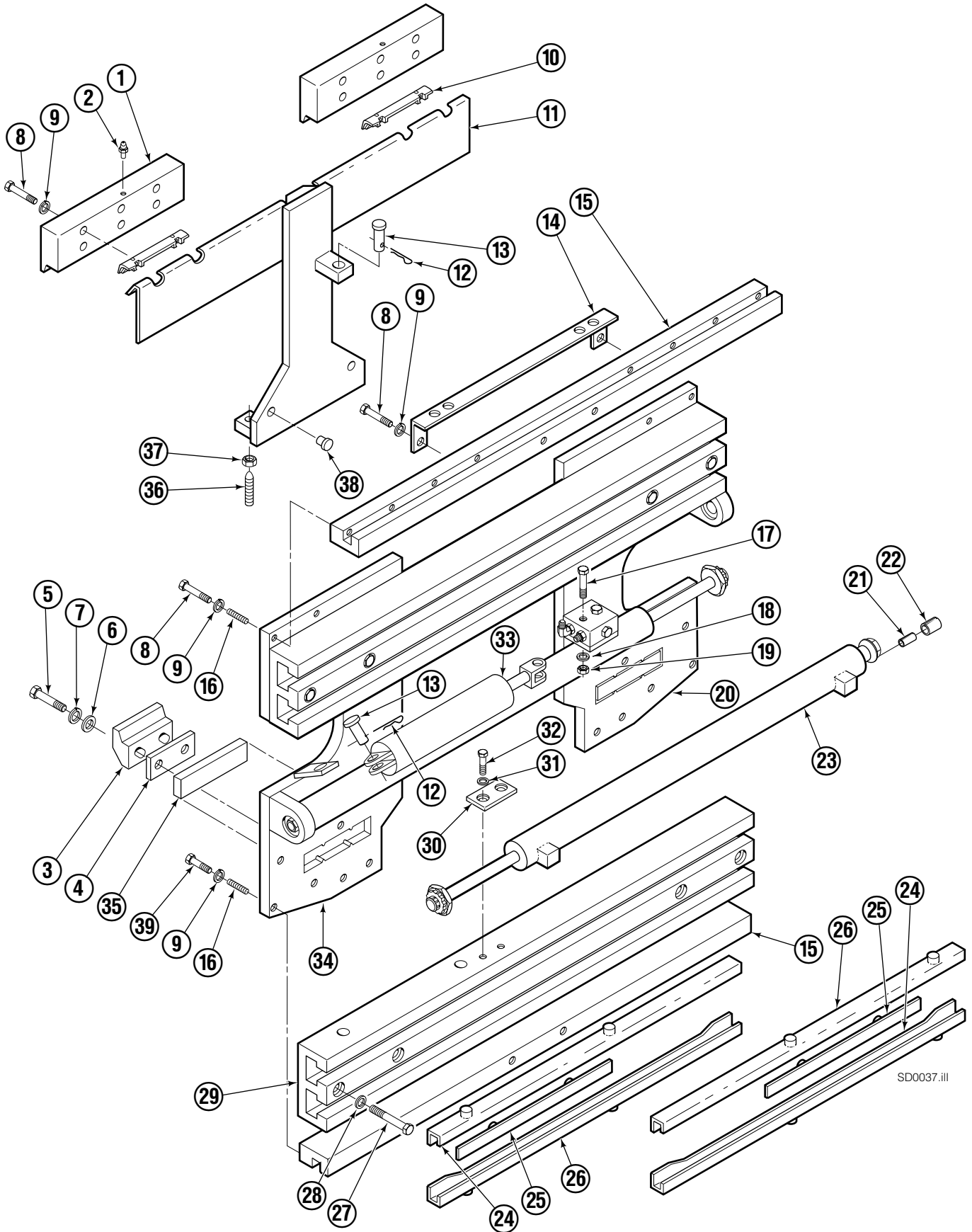


Part No. 679150
(1 Place & 1 Optional)



Part No. 665595
(2 Place & 2 Optional)

Base Unit and Mounting ITA Class II



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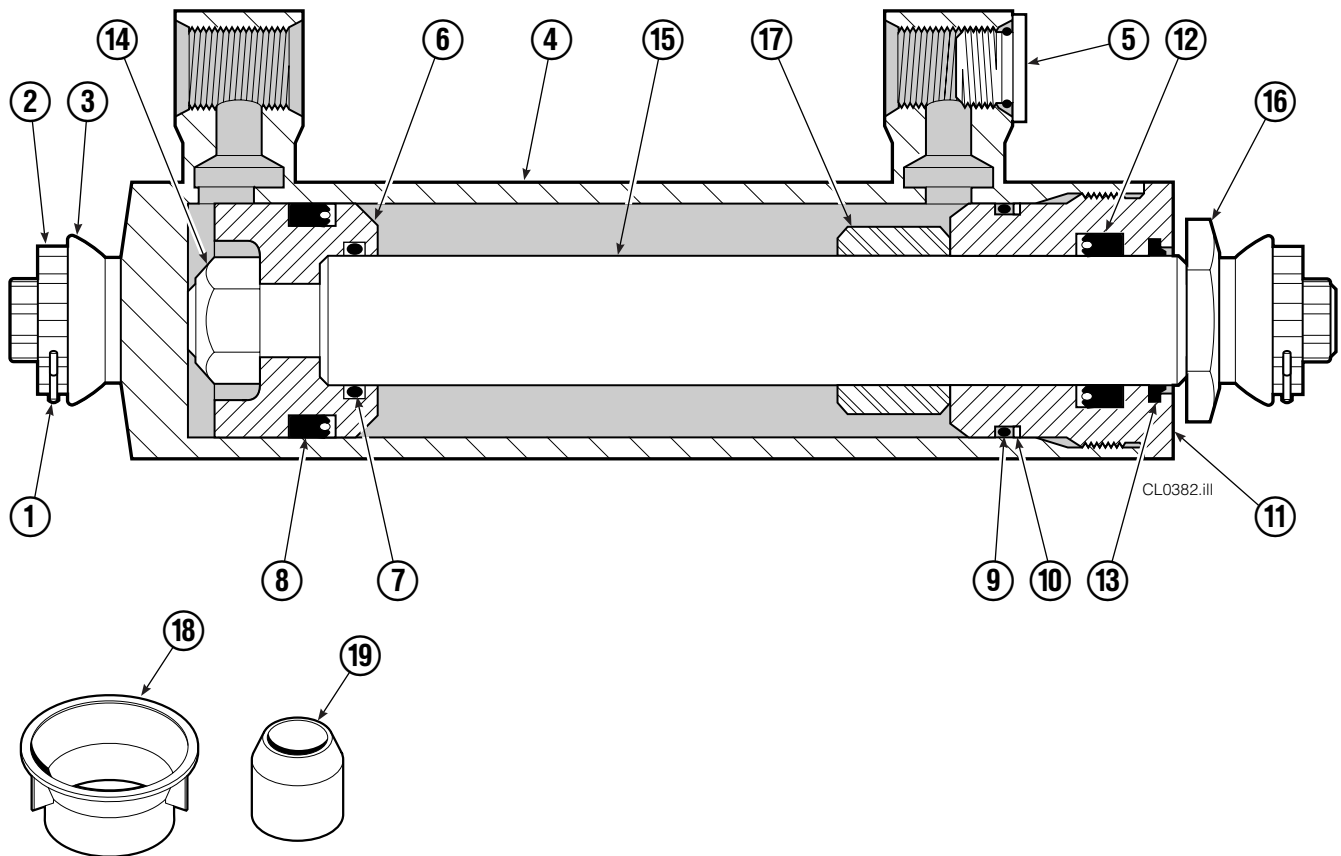
Base Unit and Mounting ITA Class II

50D							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		378174	Base Unit Group	19	2	6097	Nut
		378178	Common Parts Group	20	1	378176	Mounting Plate-LH
		204275	Mounting Group	21	2	7962	Roll Pin
1	2	204211	Upper Hook	22	2	7861	Roll Pin
2	2	7403	Grease Fitting	■23	2	204200	Cylinder
3	2	675968	Lower Hook	24	4	208857	Bearing
4	2	204213	Spacer	25	4	208858	Bearing
5	4	667808	Capscrew, 5/8NCx2.0GR8	26	4	667663	Bearing
6	4	667225	Washer	27	8	667909	Capscrew, 1/2NCx3.0
7	4	6292	Lockwasher	28	8	667910	Washer
8	20	643539	Capscrew, 1/2NCx1.75GR8	29	2	378177	Frame
9	30	6290	Lockwasher, 1/2	30	2	211267	Stop
10	2	671165	Bearing	31	4	6288	Lockwasher, 3/8
11	1	204201	Anchor	32	4	629516	Capscrew, 3/8NCx1.0
12	2	672726	Cotter Pin	◆33	1	675548	Sideshift Cylinder
13	2	678525	Pin	34	1	378175	Mounting Plate-RH
14	1	205227	Bracket	35	2	204212	Lower Bearing
15	2	205222	Channel	36	2	5027	Setscrew
16	4	205324	Spring Pin	37	2	5932	Nut
17	2	3559	Capscrew, 1/4NCx2.0GR5	38	2	200762	Thrust Plug
18	2	6201	Washer, 1/4	39	6	643538	Capscrew, 1/2NCx1.50GR8

■ See Cylinder page for parts breakdown.

◆ See Sideshift Cylinder page for parts breakdown.

Clamp Cylinder



REF	QTY	PART NO.	DESCRIPTION
		204200	Cylinder Assembly
1	2	6510	Cotter Pin ■
2	2	667624	Nut Retainer ■
3	2	667625	Nut ■
4	1	559662	Shell
5	1	602580	Fitting
6	1	559702	Piston
7	1	2716	O-Ring ▲
8	1	557598	Seal ▲
9	1	2722	O-Ring ▲
10	1	615126	Back-Up Ring ▲
11	1	413799	Retainer
12	1	662448	Seal ▲
13	1	636853	Wiper ▲
14	1	667623	Nut
15	1	416991	Rod
16	1	667626	Washer
17	1	—	Spacer
18	1	671047	Seal Loader, Piston ▲
19	1	671051	Seal Loader, Retainer ▲
		560729	Service Kit

▲ Included in Service Kit 560729.

■ Included in Nut Service Kit 668926.

Reference: ST-0283, ST-0284.

Sideshift Cylinder

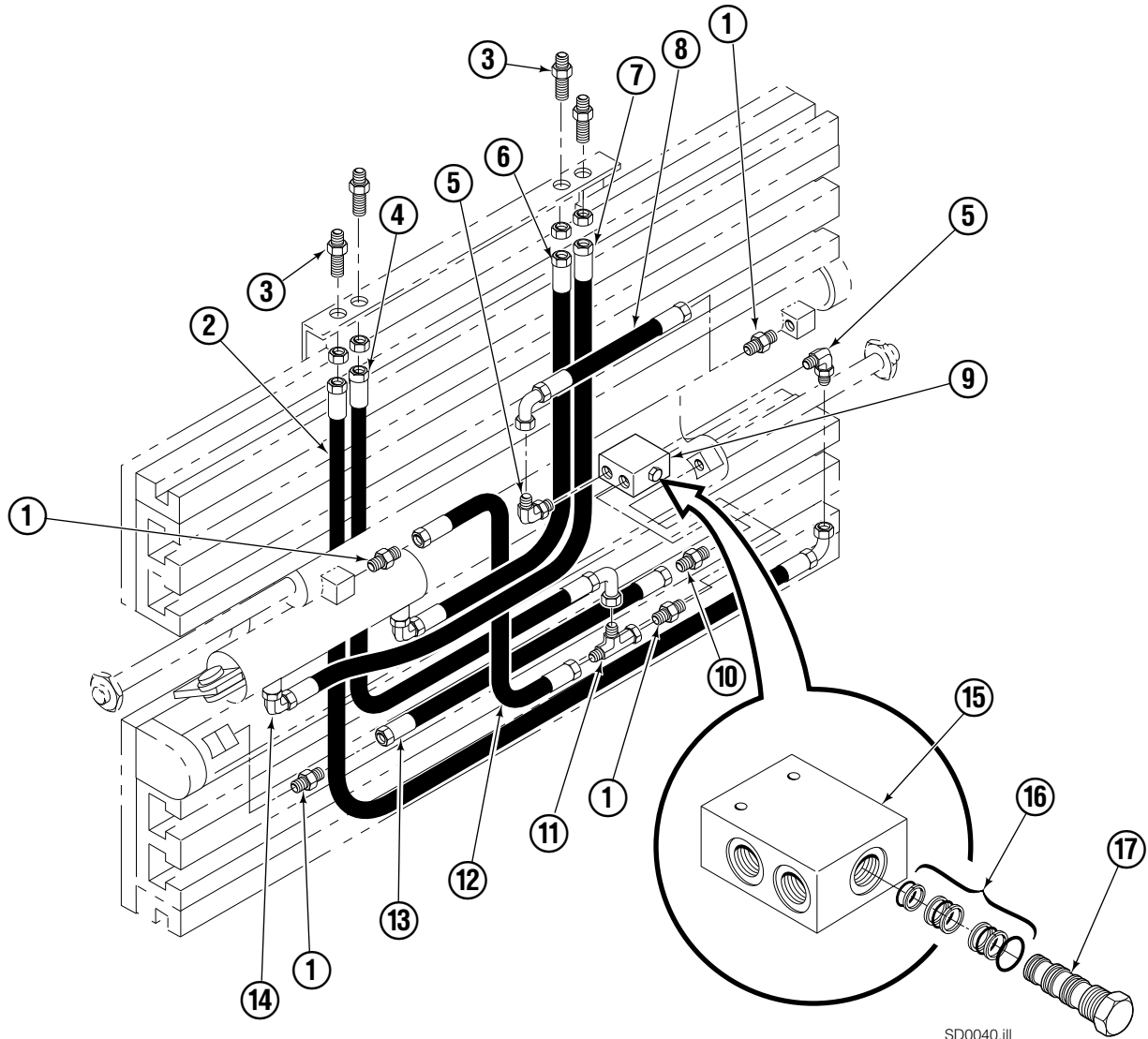


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REF	QTY	PART NO.	DESCRIPTION
		675548	Cylinder Assembly
1	1	553857	Nut
■ 2	1	662452	Seal
3	1	553501	Piston
■ 4	1	636851	Wiper
■ 5	1	638247	Back-up Ring
6	1	675550	Washer (orifice .085)
7	1	675549	Shell
8	1	553449	Rod
■ 9	1	2785	O-Ring
■ 10	1	615128	Back-up Ring
11	1	553500	Retainer
12	1	553856	Retaining Ring
13	1	7202	Snap Ring
■ 14	1	641835	Seal
15	1	---	Spacer
		553861	Service Kit

■ Included in Service Kit 553861.

Hydraulics



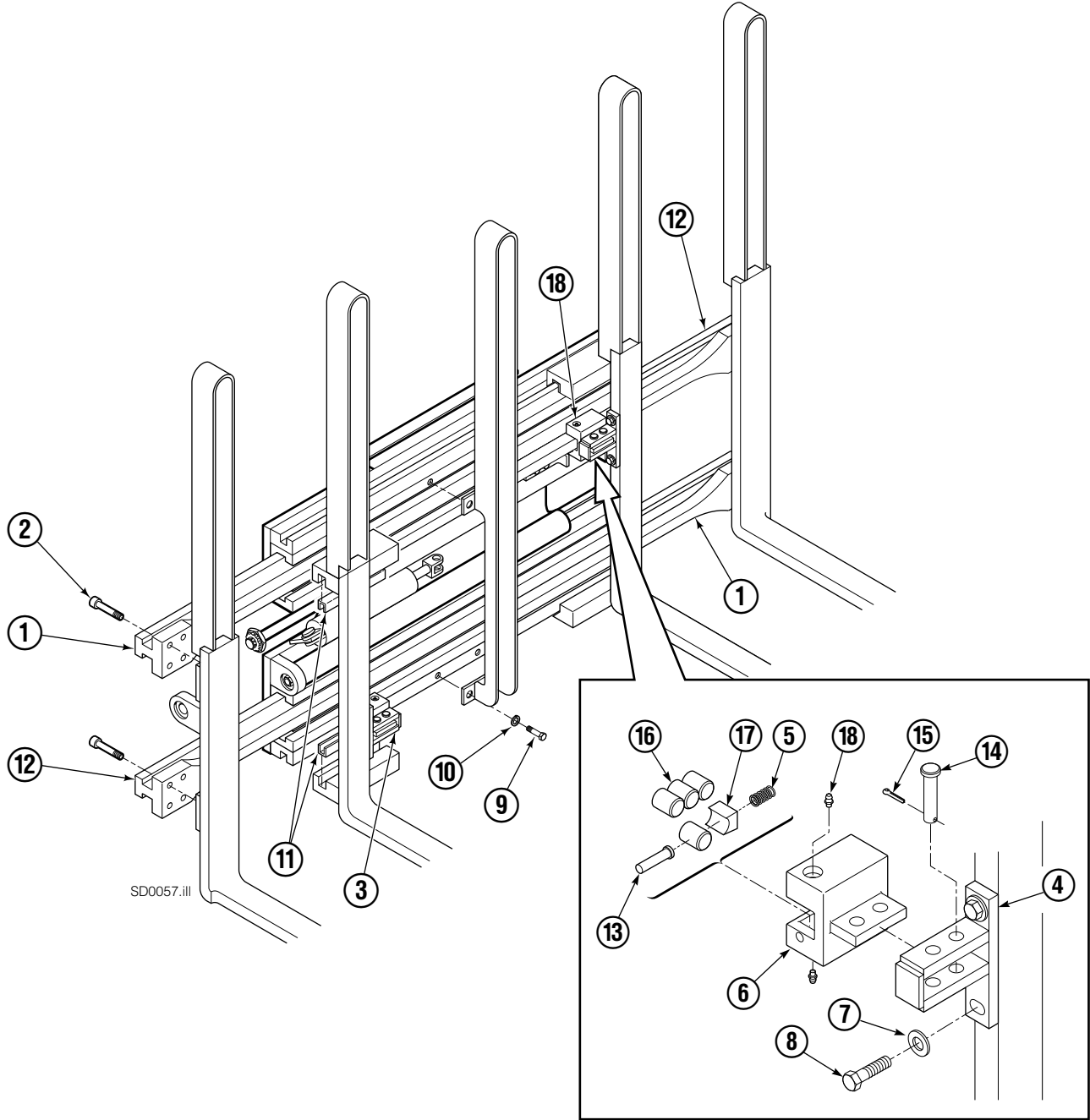
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50D			
REF	QTY	PART NO.	DESCRIPTION
1	4	611288	Fitting, 6-8
2	1	205226	Hose
3	4	2375	Fitting, 6-6
4	1	378352	Hose
5	2	601676	Fitting, 6-6
6	1	205224	Hose
7	1	205223	Hose
8	1	673167	Hose
■ 9	1	204223	Valve Assembly
10	2	604511	Fitting, 6-6
11	1	611329	Fitting, 6-6
12	1	688697	Hose
13	1	686472	Hose
14	2	666984	Fitting, 4-6
15	1	204222	Valve Body
16	1	204951	Service Kit
17	1	201527	Valve Cartridge

■ Includes items 15-17.

378174 Base Unit Group
378178 Common Parts Group

Arm Group



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Arm Group

50D			
REF	QTY	PART NO.	DESCRIPTION
		378169	Arm Group
1	2	378170	Arm Bar
2	16	607103	Capscrew, 3/4NCx1.50 GR8
3	1	211272	Roller Assembly R.H.
3	1	211277	Roller Assembly L.H.
■ 4	2	209410	Anchor Plate
■ 5	1	211729	Spring
■ 6	1	211271	Housing
7	4	6455	Washer
8	4	4506	Capscrew
9	4	633801	Capscrew
10	4	6455	Washer
11	4	209654	Bearing
12	2	378173	Arm Bar
■ 13	1	209433	Pin
■ 14	2	674265	Clevis Pin
■ 15	2	6524	Cotter Pin
■ 16	4	209430	Rod-Roller
■ 17	1	209431	Spring Keeper
■ 18	2	211270	Grease Fitting

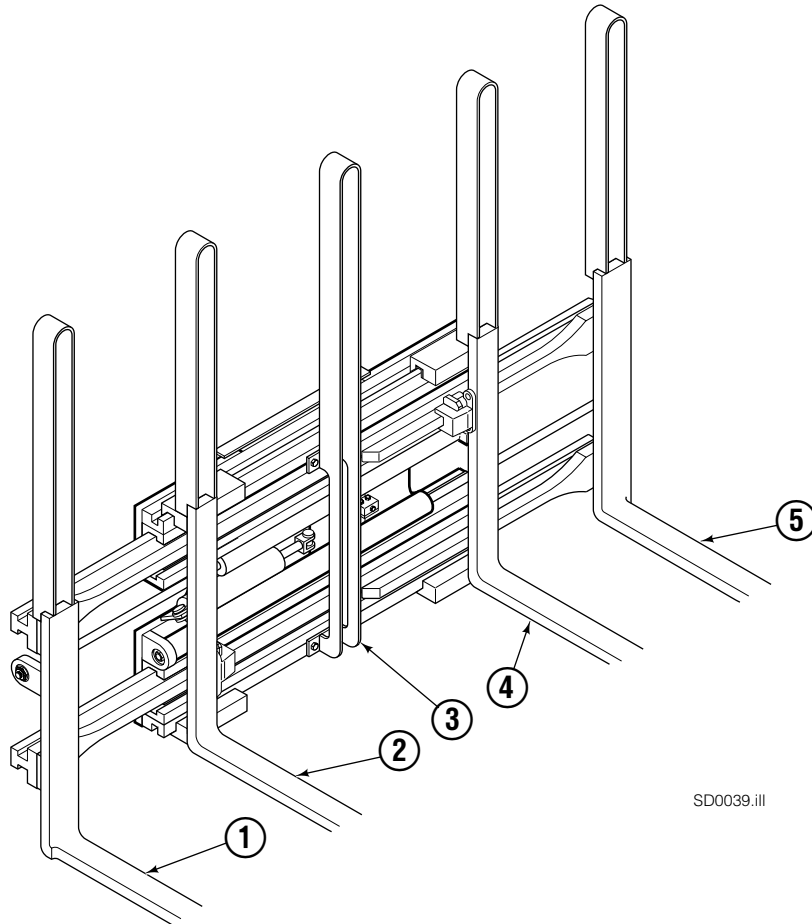
■ Included in Roller Assembly (Item 3).

Reference:

378174 Base Unit Group

378178 Common Parts Group

Fork and Backrest Group Loop Backrest

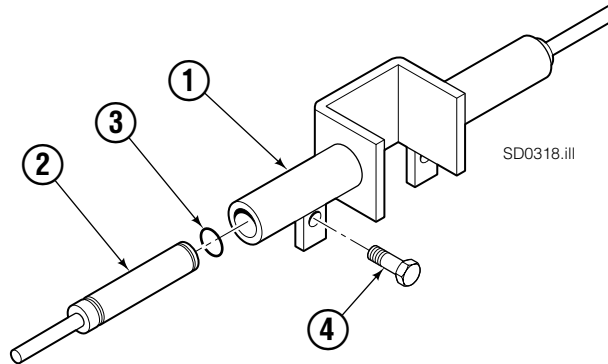


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50D			
REF	QTY	42"x 48"■ PART NO.	DESCRIPTION
		378164	Fork and Backrest Group
1	1	204252	Outer Fork-RH
2	1	378167	Inner Fork-RH
3	1	211262	Center Backrest
4	1	378165	Inner Fork-LH
5	1	204250	Outer Fork-LH

■ Fork length x backrest height.

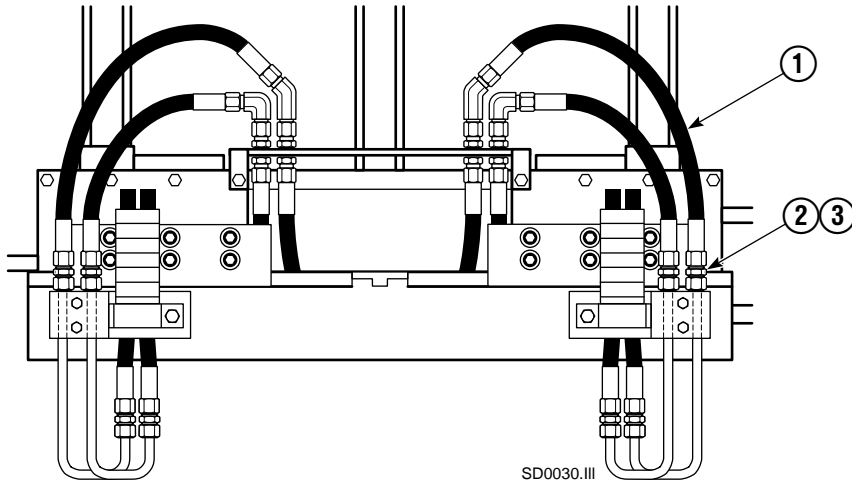
Inner Fork Actuator



50D			
REF	QTY	PART NO.	DESCRIPTION
		209662	Actuator Assembly
1	1	206043	Bracket
2	2	206048	Micro Spring
3	2	643339	O-Ring
4	2	643539	Capscrew, .50 x 1.75

Reference: SK-6081.

Installation Kit



REF	QTY	PART NO.	DESCRIPTION
		205854	Installation Kit
1	4	2161	Hose
2	4	2347	Fitting, 6-6
3	4	674294	Fitting, 6-8

Do you have questions you need answered right now? Call your nearest Cascade Parts Department.

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