



Parts Manual

Model Single-Double Pallet Handler

Serial Number 50D-ES-255

cascade[®]
corporation

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

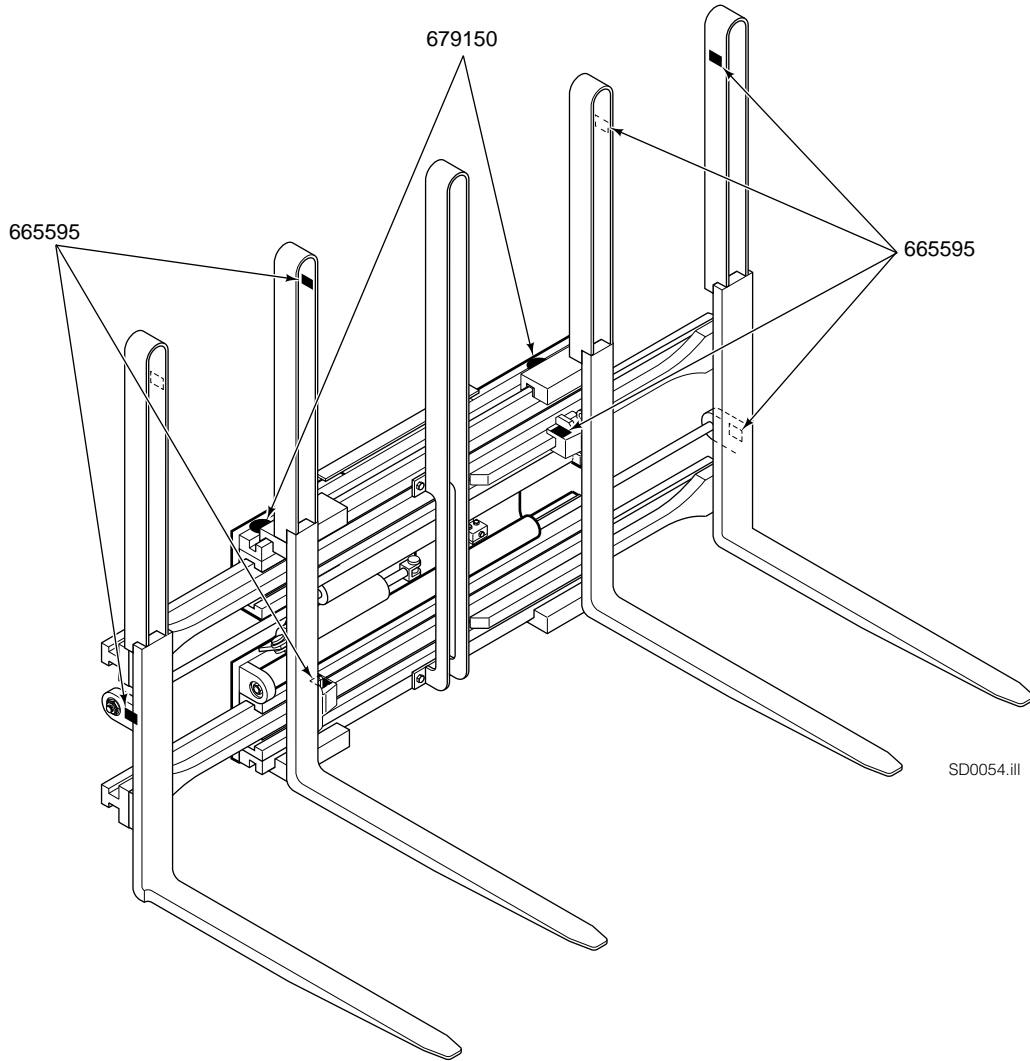
To Order Parts call: 888-227-2233, Fax: 888-329-0234

OR

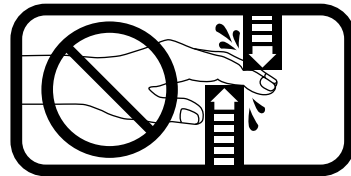
Write: Cascade Corporation, P.O. Box 20187, Portland, OR 97220

Internet: www.cascorp.com

Safety Decals

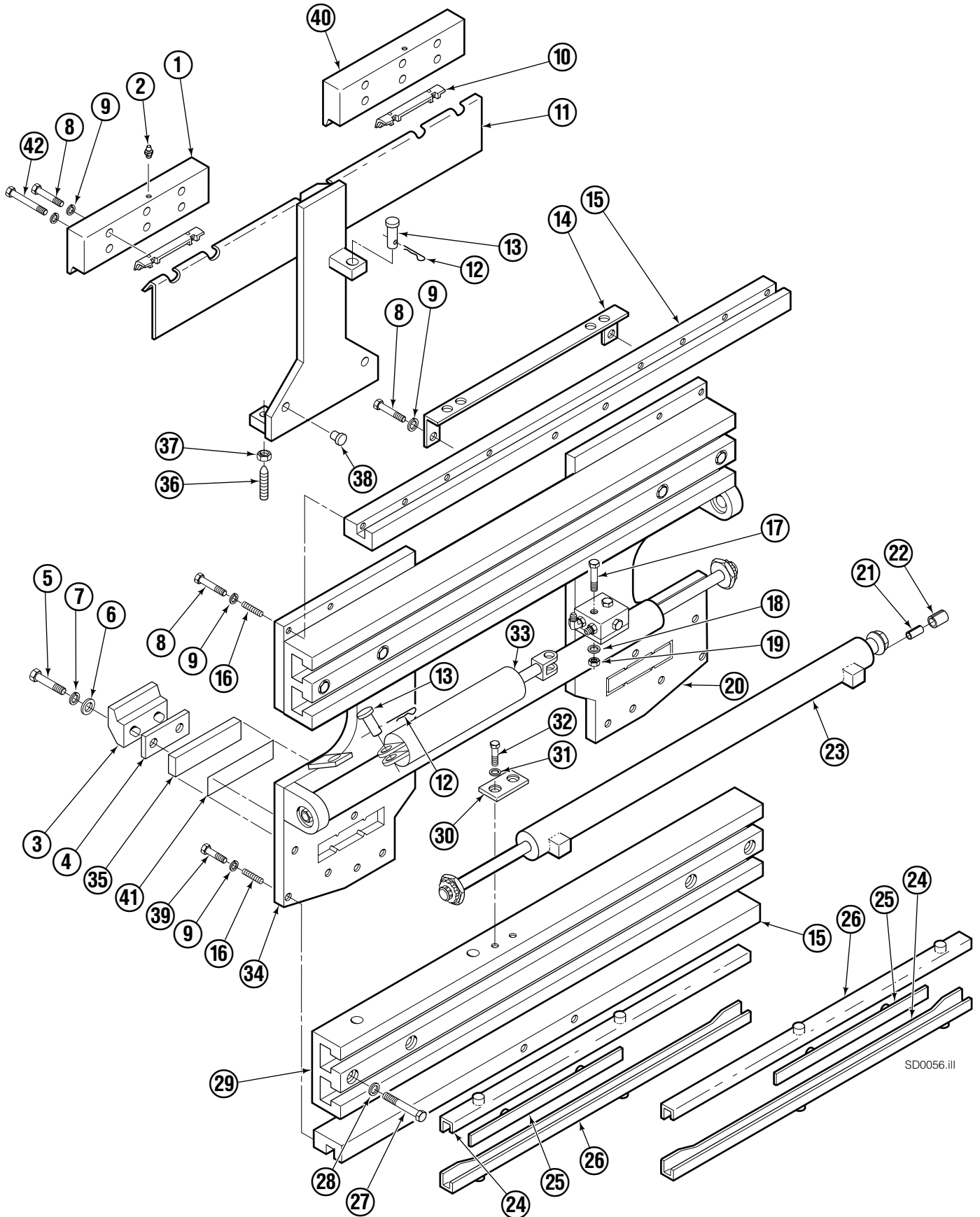


Part No. 679150
(1 Place & 1 Optional)



Part No. 665595
(2 Place & 2 Optional)

Base Unit and Mounting ITA Class III



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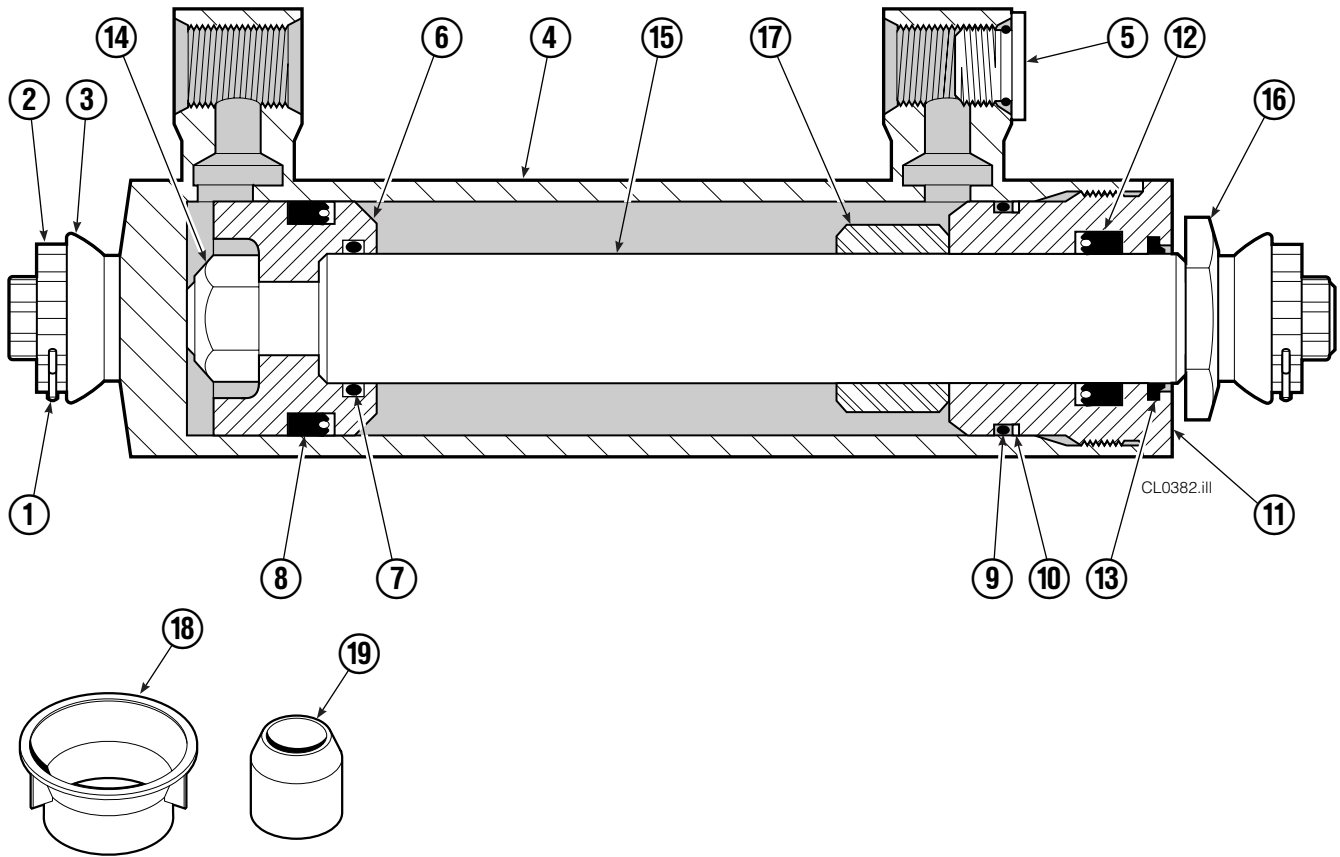
Base Unit and Mounting ITA Class III

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REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		211280	Base Unit Group	21	2	7962	Roll Pin
		211724	Common Parts Group	22	2	7861	Roll Pin
		204276	Mounting Group	■23	2	204200	Cylinder
1	1	204265	Upper Hook–RH	24	4	208857	Bearing
2	4	7403	Grease Fitting	25	4	208858	Bearing
3	2	675969	Lower Hook	26	4	667663	Bearing
4	2	204273	Spacer	27	8	667909	Capscrew, 1/2NCx3.0
5	4	667808	Capscrew, 5/8NCx2.0 GR8	28	8	667910	Washer
6	4	667225	Washer	29	2	211273	Frame
7	4	6292	Lockwasher	30	2	211267	Stop
8	20	643539	Capscrew, 1/2NCx1.75 GR8	31	4	6288	Lockwasher, 3/8
9	30	6290	Lockwasher, 1/2	32	4	629516	Capscrew, 3/8NCx1.0 GR8
10	2	672018	Bearing	◆33	1	675548	Sideshift Cylinder
11	1	204266	Anchor	34	1	204254	Mounting Plate–RH
12	2	672726	Cotter Pin	35	2	204212	Lower Bearing
13	2	678525	Pin	36	2	5027	Setscrew
14	1	205227	Bracket	37	2	5932	Nut
15	2	205222	Channel	38	2	200761	Thrust Plug
16	4	205324	Spring Pin	39	6	643538	Capscrew, 1/2NCx1.50 GR8
17	2	3559	Capscrew, 1/4NCx2.0 GR5	40	1	204267	Upper Hook–LH
18	2	6201	Washer, 1/4	41	2	204274	Strip
19	2	6097	Nut	42	4	643542	Capscrew, 1/2NCx2.75 GR8
20	1	204284	Mounting Plate–LH				

■ 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

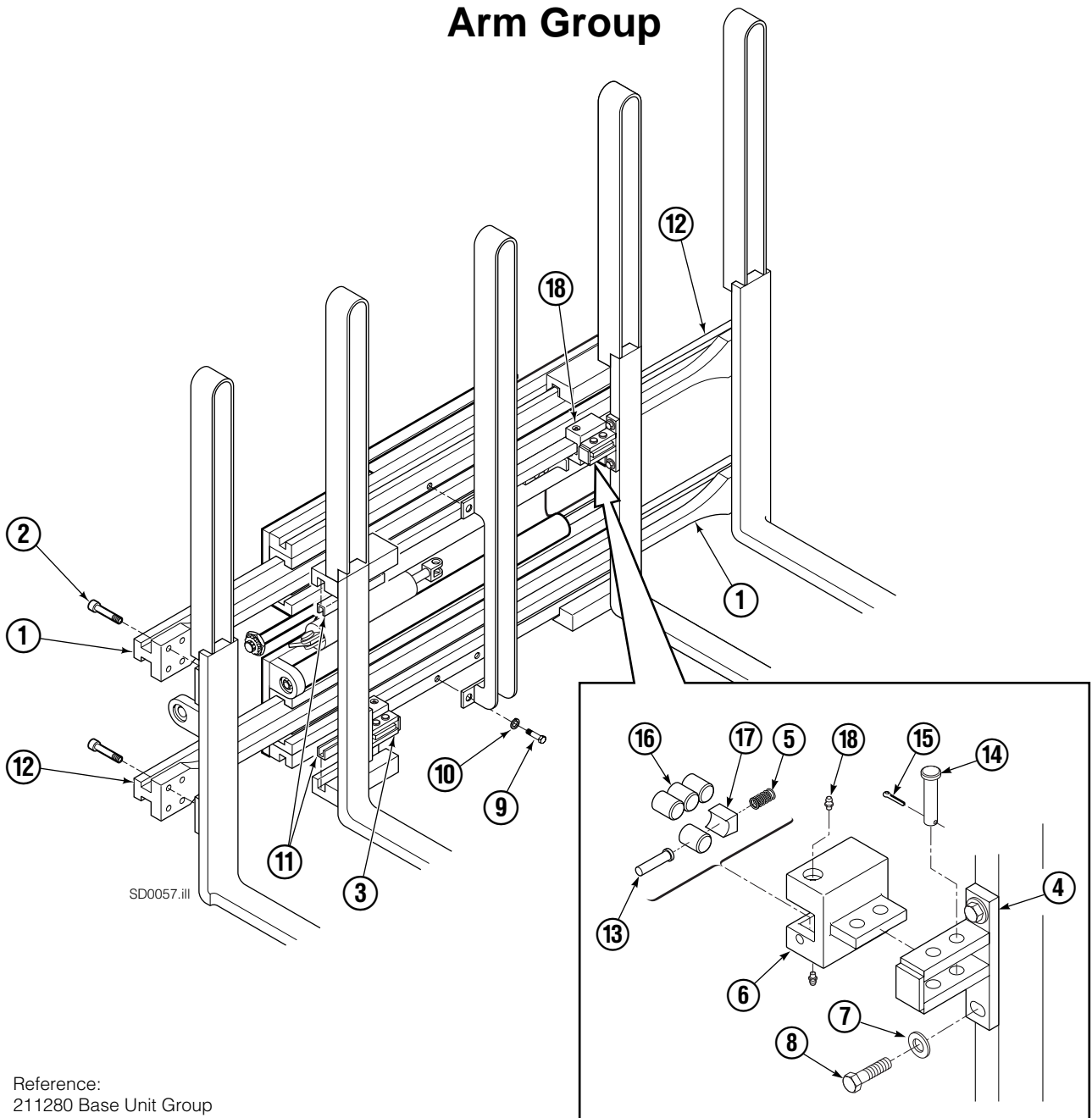


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REF	QTY	PART NO.	DESCRIPTION
		675548	Cylinder Assembly
1	1	553857	Nut
■ 2	1	662452	Seal
3	1	553501	Piston
■ 4	1	636851	Wiper
■ 5	1	638247	Back-up Ring
6	1	675550	Washer (orifice .085)
7	1	675549	Shell
8	1	553449	Rod
■ 9	1	2785	O-Ring
■ 10	1	615128	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.

Arm Group



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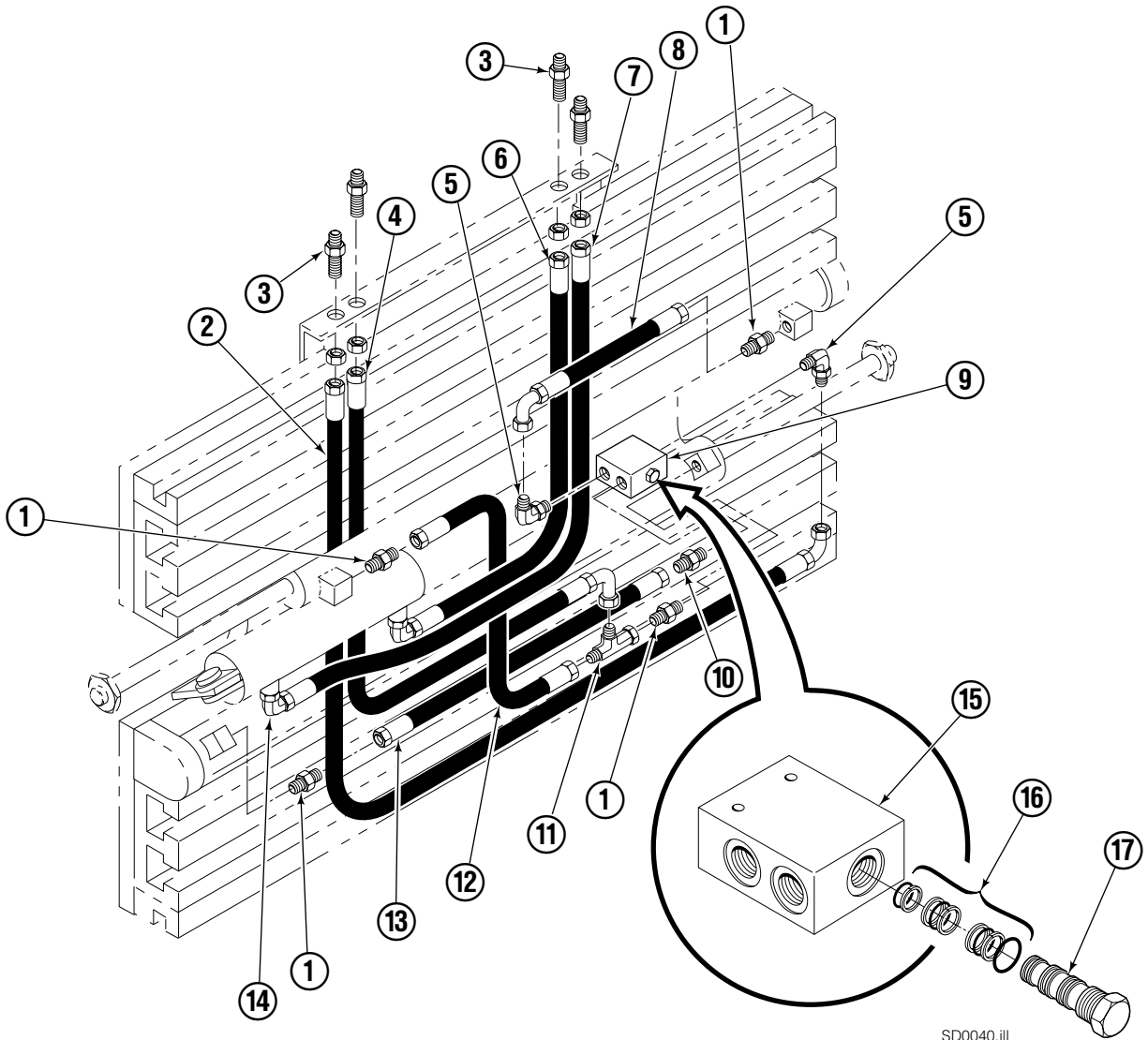
Reference:
211280 Base Unit Group
211274 Common Parts Group

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REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		204261	Arm Group	9	4	633801	Capscrew
1	2	204258	Arm Bar	10	4	6290	Washer
2	16	607103	Capscrew, 3/4 NCx1.50 GR8	11	4	209654	Bearing
3	1	211272	Roller Assembly – R.H.	12	2	204259	Arm Bar
3	1	211277	Roller Assembly – L.H.	■ 13	1	209433	Pin
■ 4	2	209410	Anchor Plate	■ 14	2	674265	Clevis Pin
■ 5	1	211729	Spring	■ 15	2	6524	Cotter Pin
■ 6	1	211271	Housing – R.H.	■ 16	4	209430	Roller
■ 6	1	211271	Housing – L.H.	■ 17	1	209431	Spring Keeper
7	4	6455	Washer	■ 18	2	211270	Grease Fitting
8	4	4506	Capscrew				

■ Included in Roller Assembly (Item 3).

Hydraulics



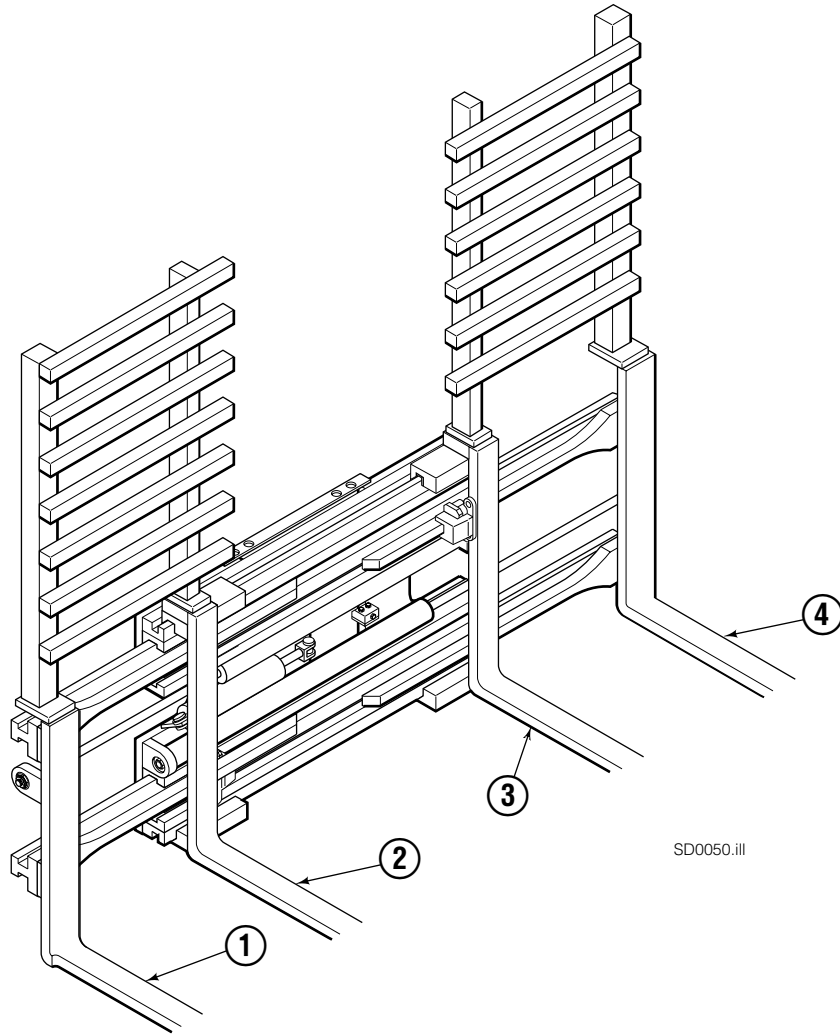
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REF	QTY	PART NO.	DESCRIPTION
1	4	611288	Fitting, 6-8
2	1	205226	Hose
3	4	2375	Fitting, 6-6
4	1	205225	Hose
5	2	601676	Fitting, 6-6
6	1	205224	Hose
7	1	205223	Hose
8	1	201567	Hose
■ 9	1	204223	Valve Assembly
10	2	604511	Fitting, 6-6
11	1	611329	Fitting, 6-6
12	1	675953	Hose
13	1	204224	Hose
14	2	666984	Fitting, 4-6
15	1	204222	Valve Body
16	1		Service Kit
17	1	210266	Flow Divider/Combiner

■ Includes items 15-17.

Reference:
211280 Base Unit Group
211724 Common Parts Group

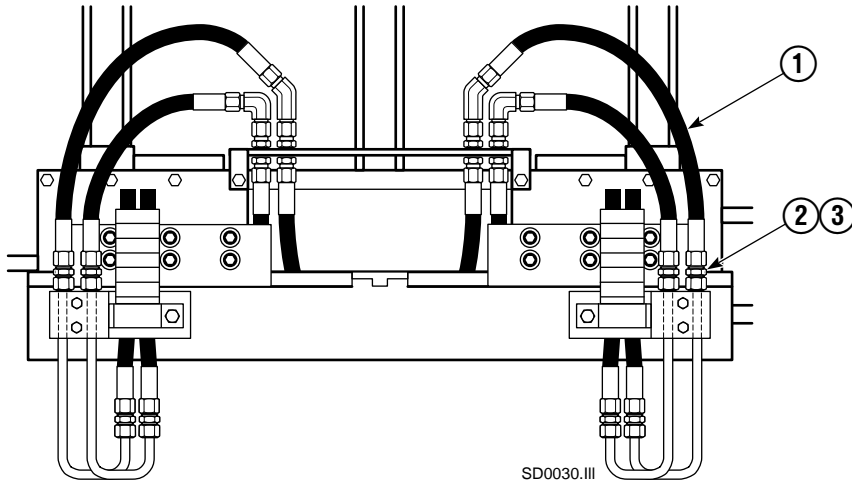
Fork and Backrest Group Interlocking Backrest



50D			
REF	QTY	PART NO.	DESCRIPTION
		381308	Fork and Backrest Group
1	1	381310	Outer Fork–RH
2	1	381326	Inner Fork–RH
3	1	381325	Inner Fork–LH
4	1	381309	Outer Fork–LH

■ Fork length x backrest height.

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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