



Parts Manual

Model Push-Pull

Serial Number 45E-PS-1019

cascade®

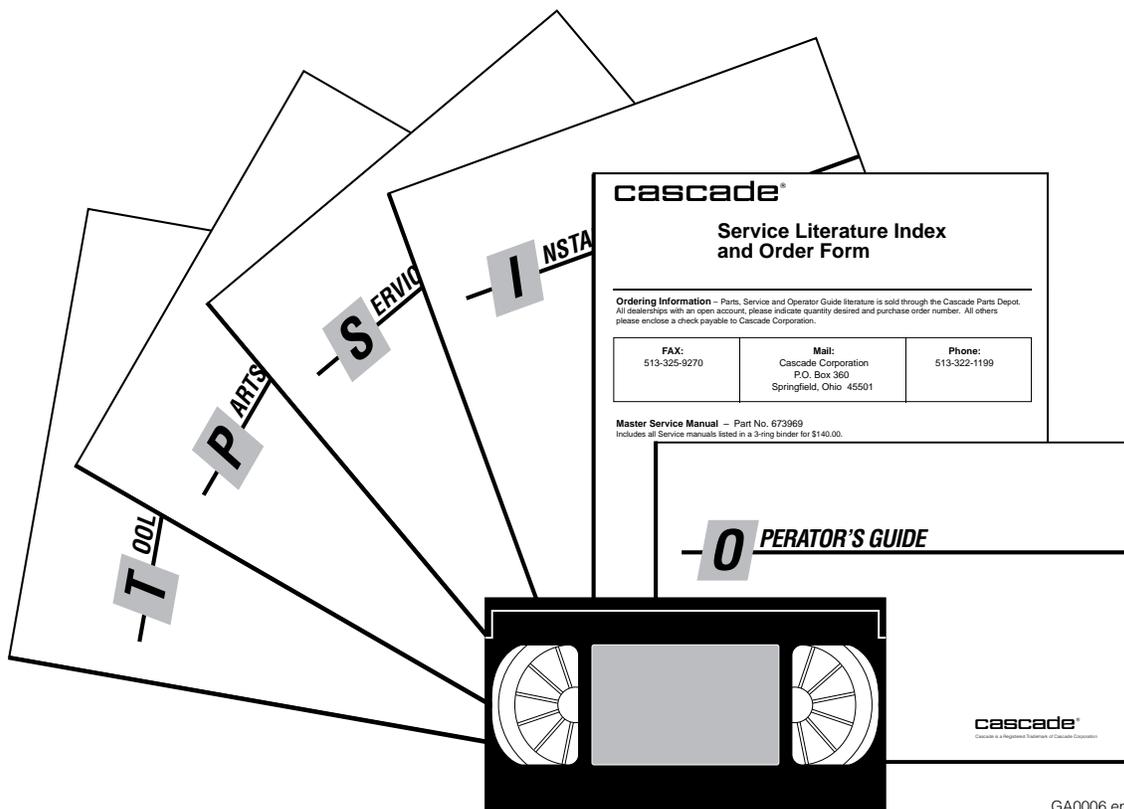
For Technical Assistance and to Order Parts . . .

Call: 1-800-CASCADE or 503-669-6300

OR

Write: Cascade Corporation, P.O. Box 20187, Portland, OR 97294-0187

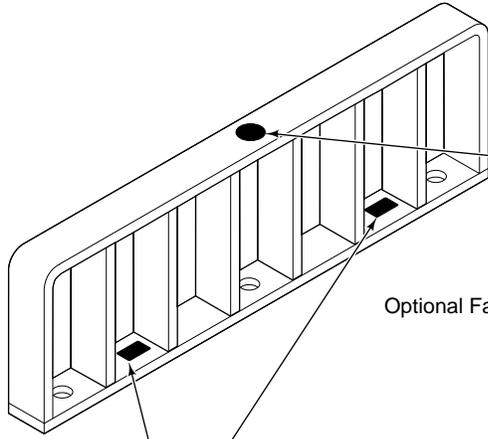
Publications



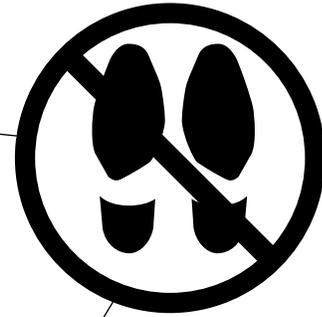
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PART NO.	DESCRIPTION
	Parts Manual
686455	Service Manual
684945	Operators Guide
685531	Operators Pocket Guide
684944	Installation Instructions
680664	Servicing Cascade Cylinders-VHS
679929	Tool Catalog
673964	Literature Index Order Form

Decals



Optional Faceplate Extension



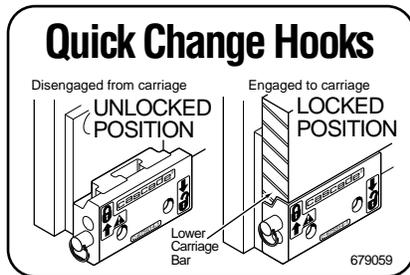
Part No. 679150
(1 Place & 1 optional)



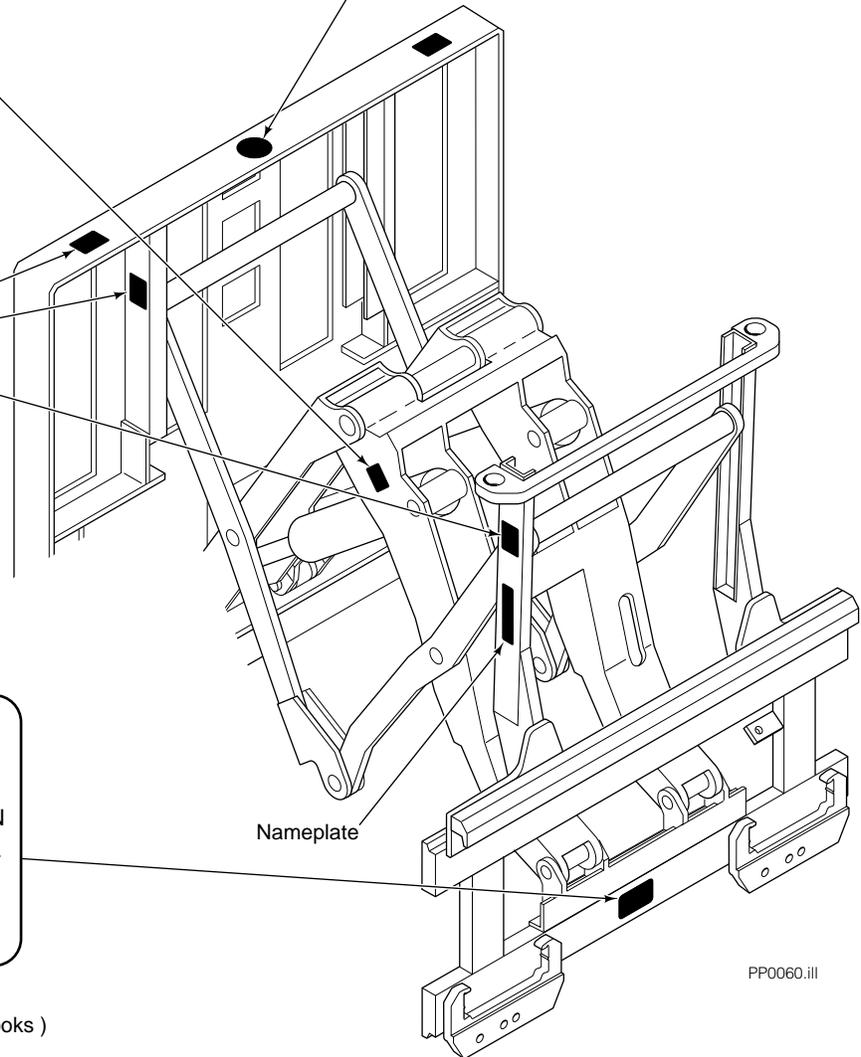
Part No. 665595
(2 Place & 2 optional)



Part No. 656038
(6 Places)



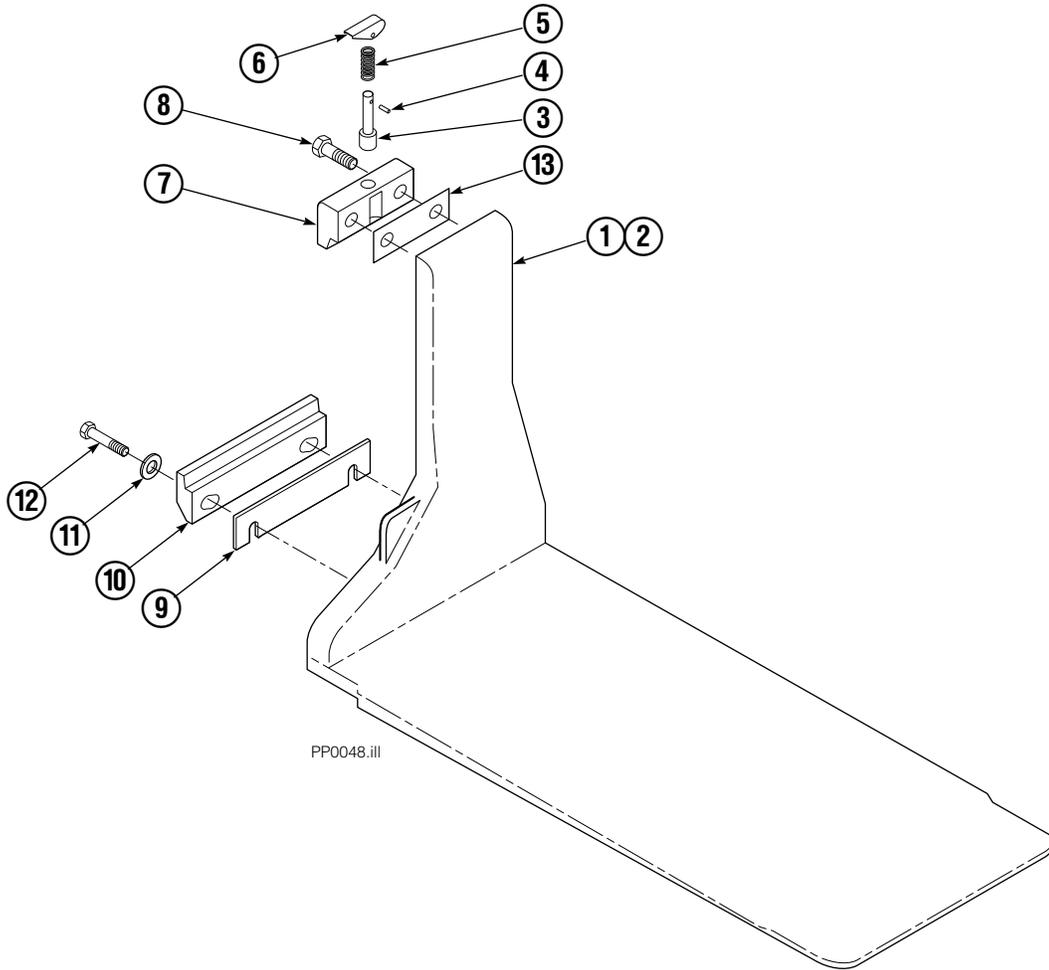
Part No. 679059
(1 Place if equipped with Quick Change Hooks)



Nameplate

PP0060.iii

Platens



Note: Usable platen lengths are determined by measuring from the faceplate (fully retracted position) to the platen tip or total platen length minus 4 1/2".

REF	QTY	PART NO.	DESCRIPTION
		3009376	Platen Group
1	1	3009377	Platen - LH
2	1	3009378	Platen - RH
3	2	622907	Pin
4	2	8007	Rivet
5	2	622908	Spring
6	2	622897	Handle
7	2	■ 688386	Upper Hook Assembly
8	4	685677	Capscrew
9	★	206969	Shim (.030)
10	2	682851	Lower Hook
11	4	667225	Washer
12	4	209016	Capscrew
13	●	688379	Shim (.060)

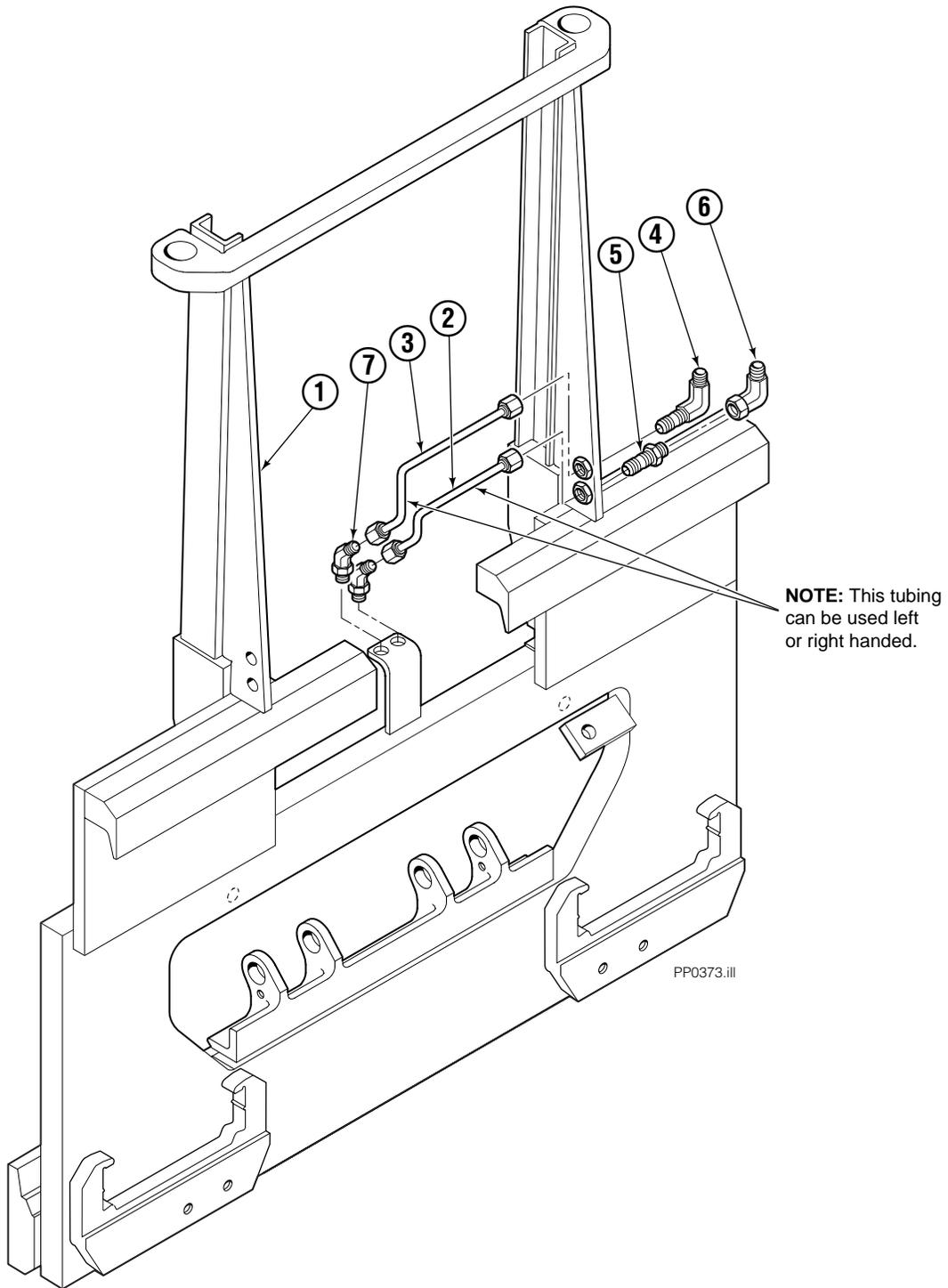
★ As required.

● As required (2 maximum)

■ Items 3 through 6 are included in Upper Hook Assembly 688386.

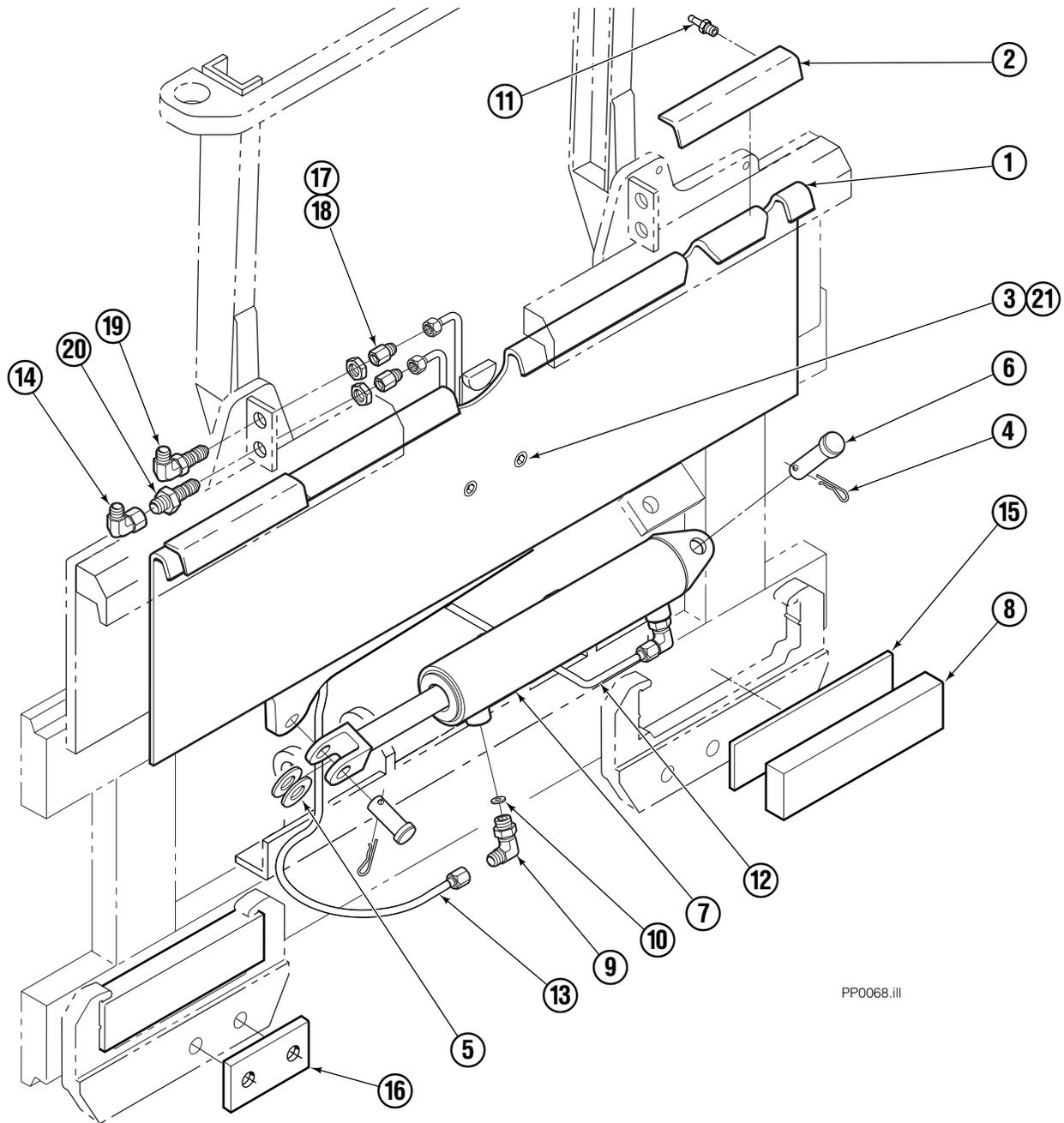
Ref: S-3408

Frame Group



45E			
REF	QTY	PART NO.	DESCRIPTION
		3009380	Frame Group
1	1	3009381	Frame
2	1	214281	Tube
3	1	214282	Tube
4	1	2453	Fitting, 6-6
5	1	2375	Fitting, 6-6
6	1	2680	Fitting, 6-6
7	2	2492	Fitting, 6-6

S/S Mounting Group ITA III



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35E/45E

REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		682835	Mounting Group	11	4	7403	■ Grease Fitting
1	1	682557	Anchor Bracket	12	1	686513	Tube
2	2	672018	■ Bearing Segment	13	1	686514	Tube
3	2	768759	Setscrew	14	1	2680	Fitting, 6
4	2	6517	Cotter Pin	15	2	683250	Strip
5	2	6234	Washer	16	2	683218	Spacer
6	2	678525	Clevis Pin	17	2	2669	Fitting, 4-6
7	1	675548	● Cylinder	18	2	2617	Fitting, 6-6
8	2	682814	Bearing	19	1	2453	Fitting, 6-6
9	2	666984	Fitting, 4-6	20	1	2375	Fitting, 6-6
10	1	675550	Washer	21	2	688387	Jam Nut

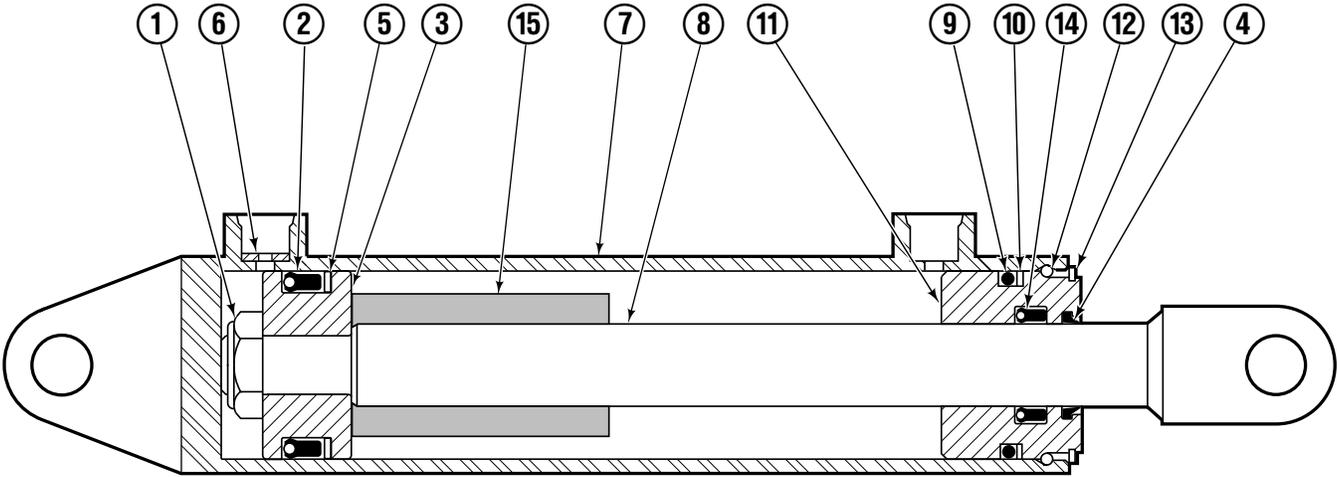
■ Included in Bearing Service Kit 672022.

● See Cylinder page for parts breakdown.

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

Sideshift Cylinder

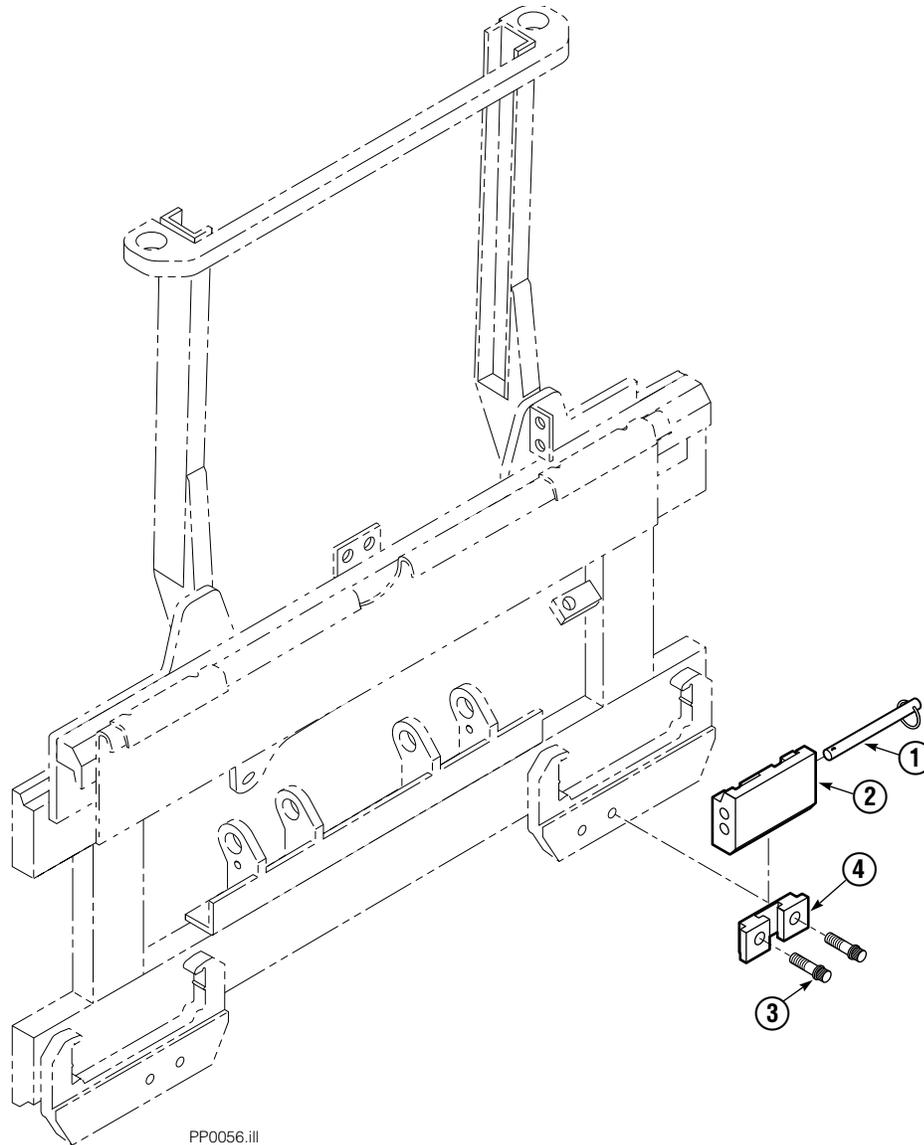


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REF	QTY	PART NO.	DESCRIPTION
		675548	Cylinder Assembly
1	1	553857	Nut
■ 2	1	662452	Seal
3	1	553501	Piston
■ 4	1	636851	Wiper
■ 5	1	638247	Back-up Ring
6	1	675550	Washer (orifice .085)
7	1	675549	Shell
8	1	553449	Rod
■ 9	1	2785	O-Ring
■ 10	1	615128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

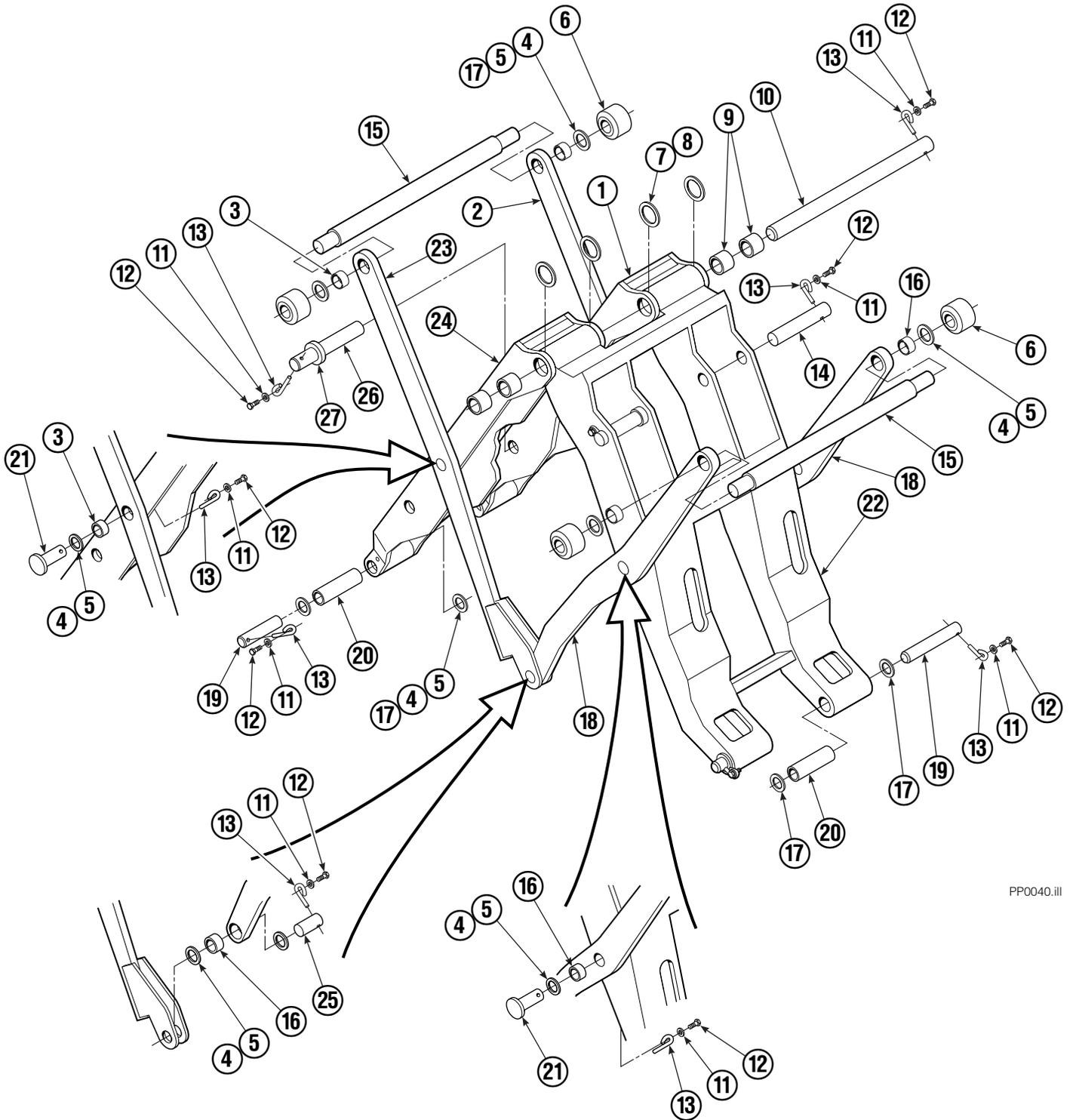
■ Included in Service Kit 553861.

Quick-Change Lower Hook Group – ITA III



REF	QTY	PART NO.	DESCRIPTION
		683181	Lower Hook Group ITA III
1	2	678832	Pin
2	2	675957	Hook
3	4	779019	Capscrew
4	2	675958	Guide

Mechanism Group



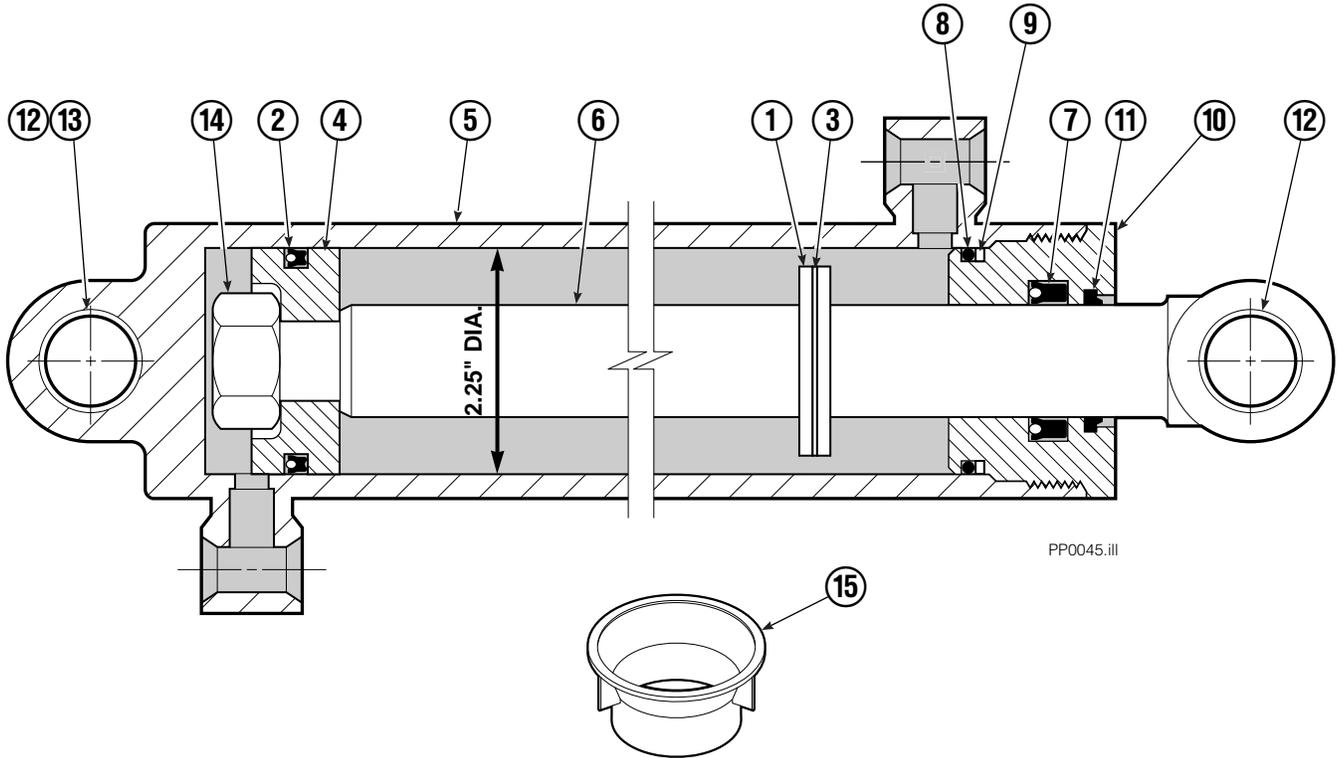
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Mechanism Group

35E/45E			
REF	QTY	PART NO.	DESCRIPTION
		366560	Mechanism Group
1	1	367203	Arm-Inner Secondary R. H.
2	1	367209	Arm-Secondary R. H.
3	4	683154	■ Bushing
4	15	683161	Shim (.030)
5	18	683162	Shim (.060)
6	4	205070	Roller
7	2	683163	Shim (.030)
8	8	683164	Shim (.060)
9	4	683155	■ Bushing
10	1	682821	Pin
11	15	6229	Washer
12	15	685661	Capscrew
13	15	689954	Eye-Pin
14	2	682822	Pin-Head
15	2	205065	Pin
16	6	683153	■ Bushing
17	20	204532	Shim (.12)
18	2	367204	Arm-Outer Primary
19	4	204533	Pin-Frame
20	4	204535	■ Bushing
21	4	204695	Pin
22	1	367201	Arm-Inner Primary
23	1	367206	Arm-Secondary Outer L. H.
24	1	367202	Arm-Inner Secondary L. H.
25	2	204696	Pin-Outer
26	2	682823	Pin-Rod
27	2	683165	Spacer

- Quantity as required.
- Included in Bushing Service Kit 205075.

Cylinder

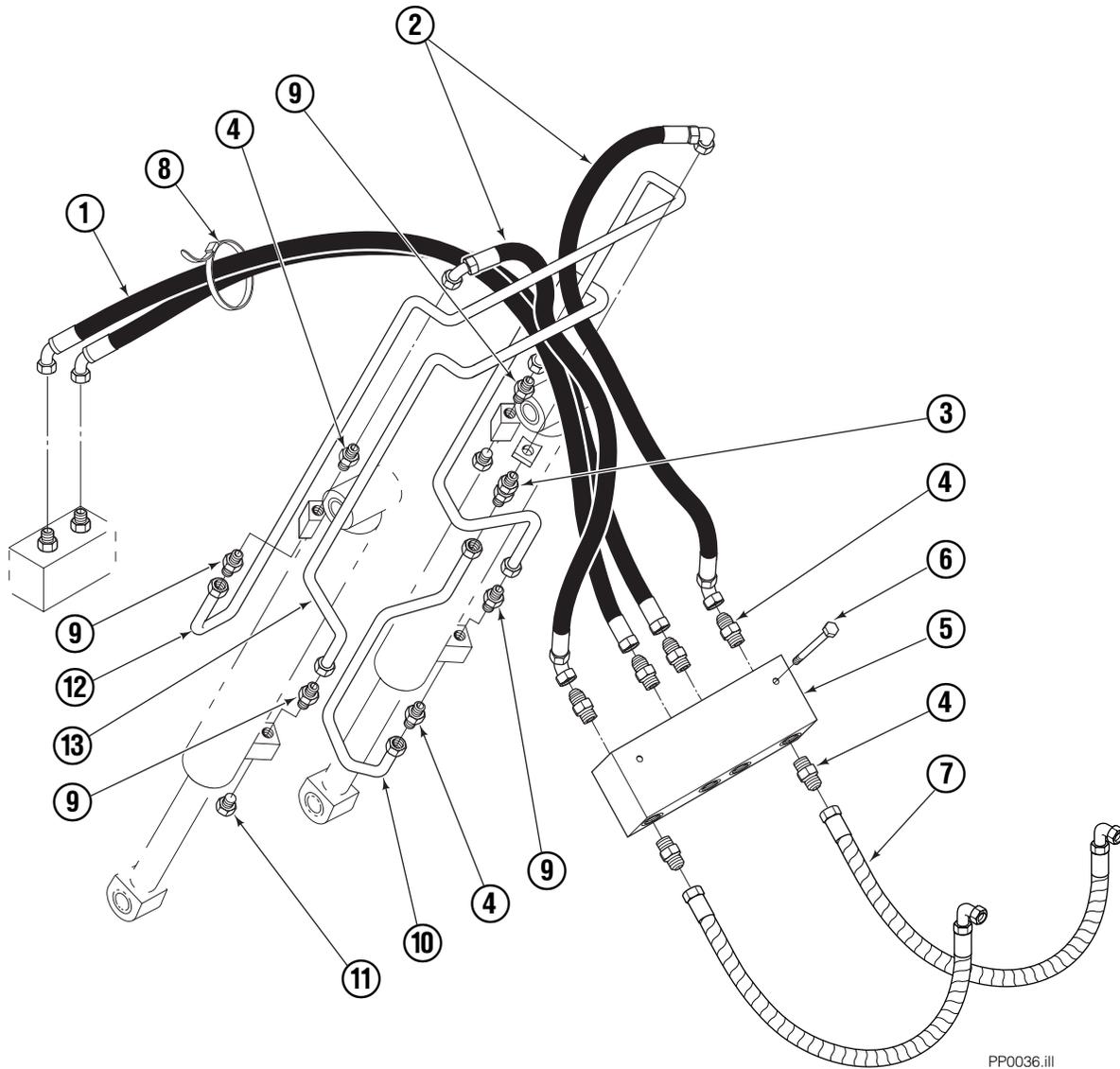


REF	QTY	PART NO.	DESCRIPTION
		359686	Cylinder Assembly
1	1	350620	Spacer
2	1	564159	Seal ■
3	1	7348	Snap Ring
4	1	564161	Piston
5	1	562717	Shell
6	1	558626	Rod
7	1	662448	Seal ■
8	1	2787	O-Ring ■
9	1	615130	Back-Up Ring ■
10	1	558628	Retainer
11	1	636853	Wiper ■
12	4	559697	Bearing
13	1	559698	Spacer
14	1	678019	Nut
15	1	671048	Seal Loader Kit ■

■ Included in Service Kit 562339.

Ref: S-3424

Hydraulic Group



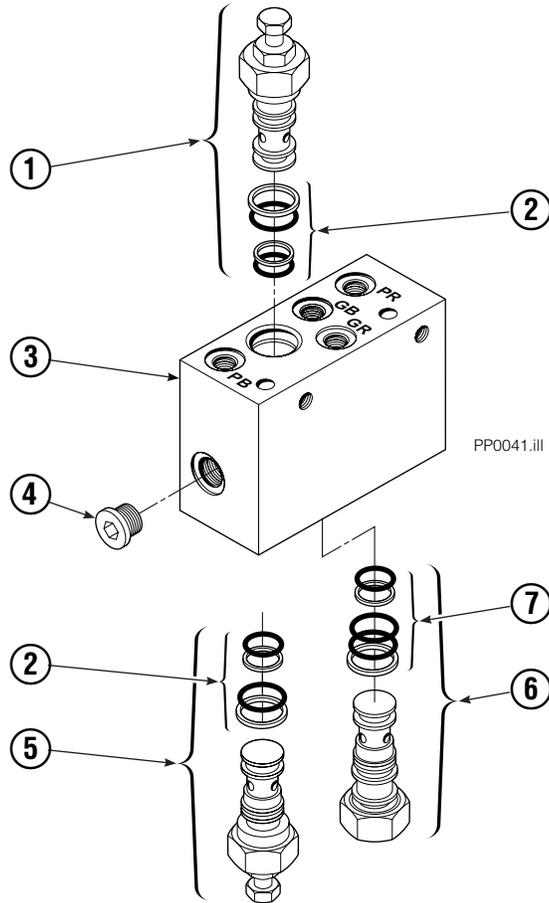
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35E/45E			
REF	QTY	PART NO	DESCRIPTION
		3009389	Hydraulic Group ITA II
1	1	365272	Hose
2	2	200005	Hose
3	1	2375	Fitting, 6-6
4	8	604511	Fitting, 6-6
5	1	682812	Valve ■
6	2	763166	Capscrew, M8
7	2	685978	Hose ITA II
8	2	684956	Cable Tie
9	4	605235	Fitting, 5-6
10	1	200647	Tube
11	2	604510	Fitting, 6
12	1	200649	Tube
13	1	200648	Tube

■ See Valve page for parts breakdown.

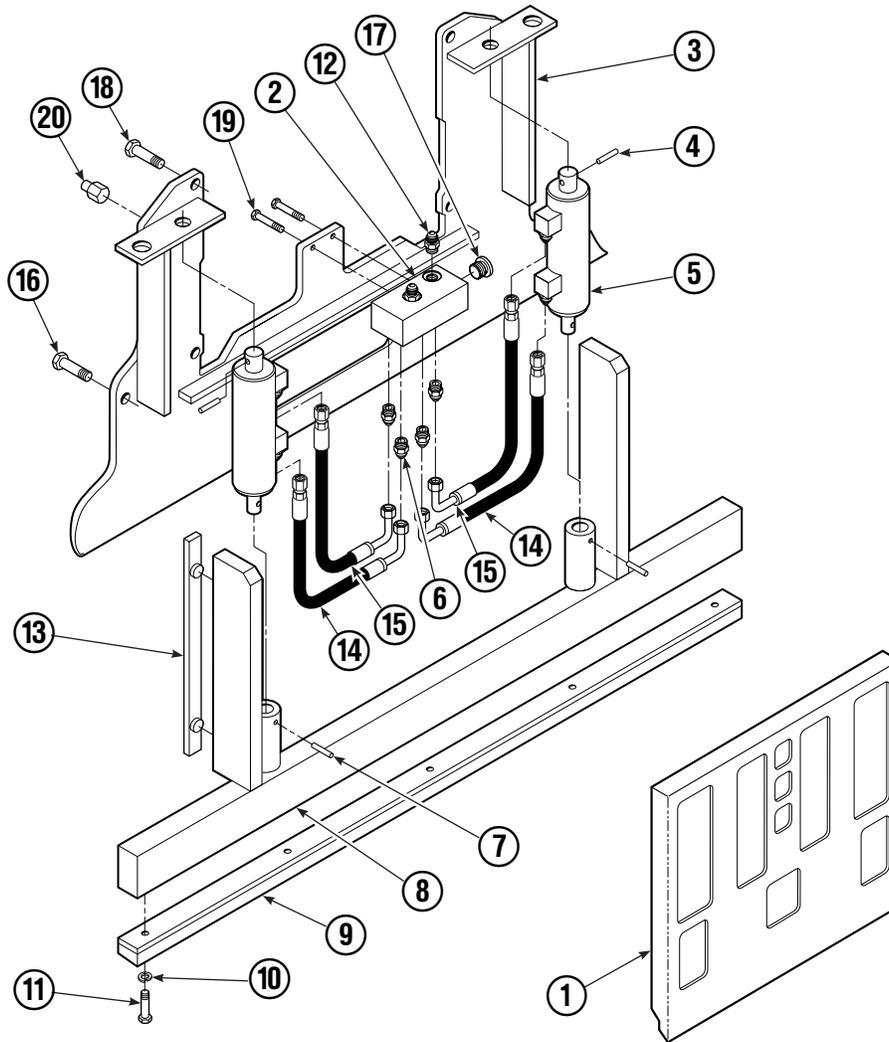
Valve

Load Push/Pull



35E/45E			
REF	QTY	PART NO.	DESCRIPTION
		682812	Valve Assembly
1	1	677125	Sequence Valve (Retract)
2	2	669597	Service Kit
3	1	682813	Body
4	5	663694	Fitting, 3
5	1	677124	Sequence Valve (Extend)
6	1	659058	Gripper Check Valve
7	1	667516	Service Kit

Faceplate Group

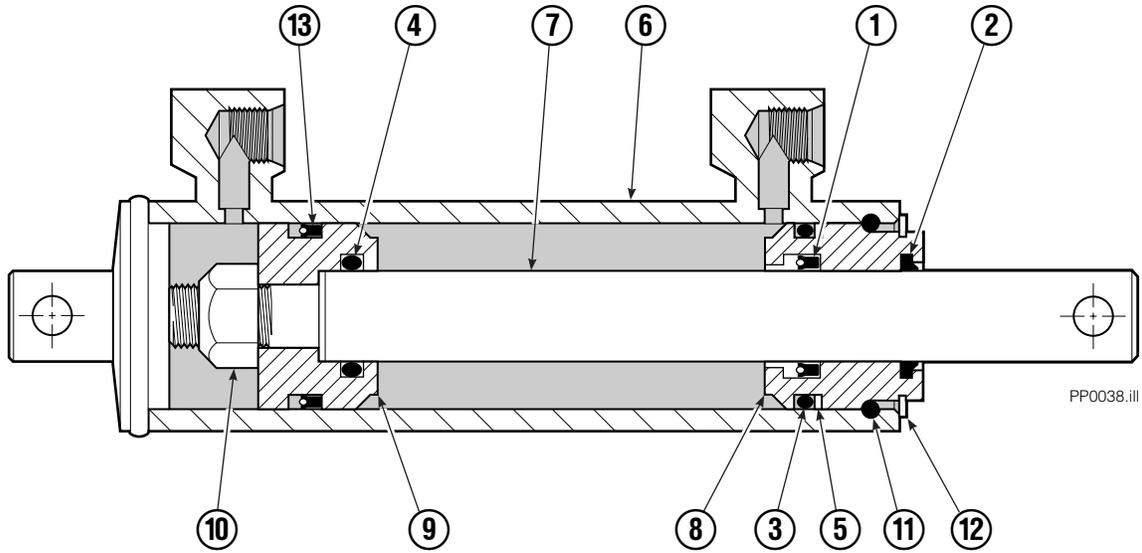


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35E/45E							
REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
		365243	Faceplate Group 40" x 44" ■	10	5	6444	Lockwasher
		205961	Gripper Jaw Assembly ●	11	5	768794	Capscrew, M8x1,25x20-8.8
1	1	365233	Faceplate 40" x 44" ■	12	2	604511	Fitting, 6-6
2	1	205959	Junction Block	13	2	686573	Bearing
3	1	206396	Gripper Jaw	14	2	205957	Hose
4	2	673385	Drive Pin	15	2	205958	Hose
5	2	682844	Gripper Cylinder ▼	16	2	768710	Capscrew
6	8	617915	Fitting, 4-4	17	2	609234	Plug, 4
7	2	200877	Drive Pin	18	4	779010	Capscrew
8	1	206403	Gripper Bar	19	2	763166	Capscrew, M8x1,25x25-8.8
9	1	672712	Gripper Pad	20	4	682850	Stop

- Width x height.
- Includes items 2 through 20.
- ▼ See Gripper Cylinder page for parts breakdown.

Gripper Cylinder



PP0038.III

35E/45E			
REF	QTY	PART NO.	DESCRIPTION
		682844	Gripper Cylinder
▼ 1	1	646540	Seal
▼ 2	1	636850	Wiper
▼ 3	1	2718	O-Ring
▼ 4	1	2710	O-Ring
▼ 5	1	615122	Back-Up Ring
6	1	685662	Shell
7	1	685663	Rod
8	1	685664	Retainer
9	1	685665	Piston
10	1	563462	Nut
11	1	563916	Ring
12	1	684284	Snap Ring
▼ 13	1	663728	Piston Seal

▼ Included in Service Kit 684827.

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

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