



Parts Manual

25C, 25D Pivot Arm Paper Roll Clamps

Serial Numbers 503766 through 678025

Manual Number 673974 R-1

cascade[®]

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HOW TO USE THIS MANUAL

Introduction

This manual illustrates service replacement parts for standard production Cascade 25C and 25D Paper Roll Clamps.

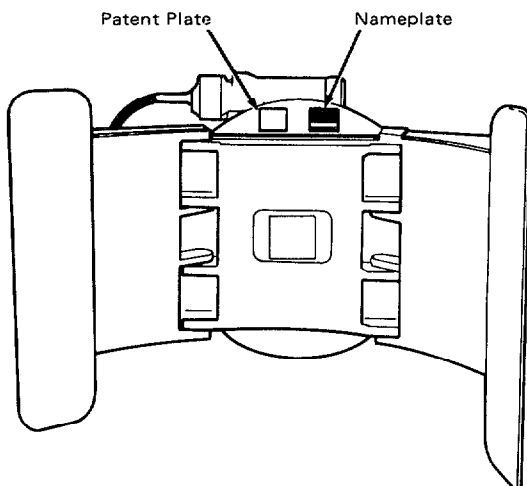
The parts manuals for attachments designed by the Application Engineering Department have an A.E.D. designation on the cover of the manual.

This standard attachment manual is not interchangeable with an A.E.D. manual since it does not reflect the special engineering of an A.E.D. attachment.

To locate a service replacement part for a standard attachment, follow the steps below.

1. Locate the Nameplate

The nameplate is attached to the top of the arm frame. If the nameplate is missing, all necessary information is stamped into the frame at the same location.



2. Note the Serial Number

Record the six-digit Serial Number. See the example.

3. Refer to Serial Number Index

Locate your Serial Number in the Serial Number Index on the following page.

IMPORTANT: DO NOT USE THIS MANUAL TO ORDER PARTS FOR AN A.E.D. ATTACHMENT. Contact Cascade Corporation to obtain the correct parts manual. You must supply the serial number and all additional equipment numbers to order the correct manual.

4. Ordering

Retail Customers. Cascade Service Replacement Parts and Service Literature are sold through authorized lift truck dealers. To order, contact the lift truck dealer of your choice.

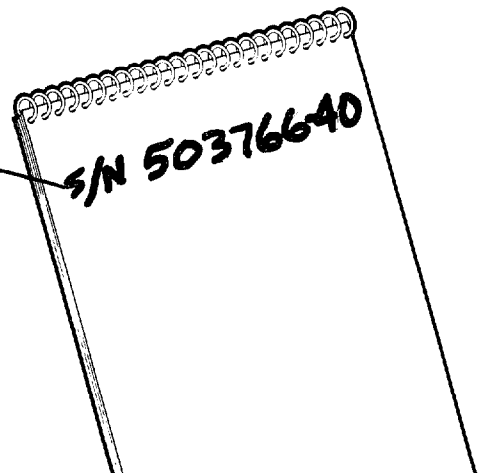
Lift Truck Dealers. To order Service Replacement Parts or Service Literature, contact:

Cascade Parts Depot
2501 Sheridan Avenue
P.O. Box 360
Springfield, Ohio 45505
(513) 322-1199
Telex: 205413

5. Parts Log

We have supplied a parts ordering log located on the last page. Use this log as a permanent record of parts ordered from this manual.

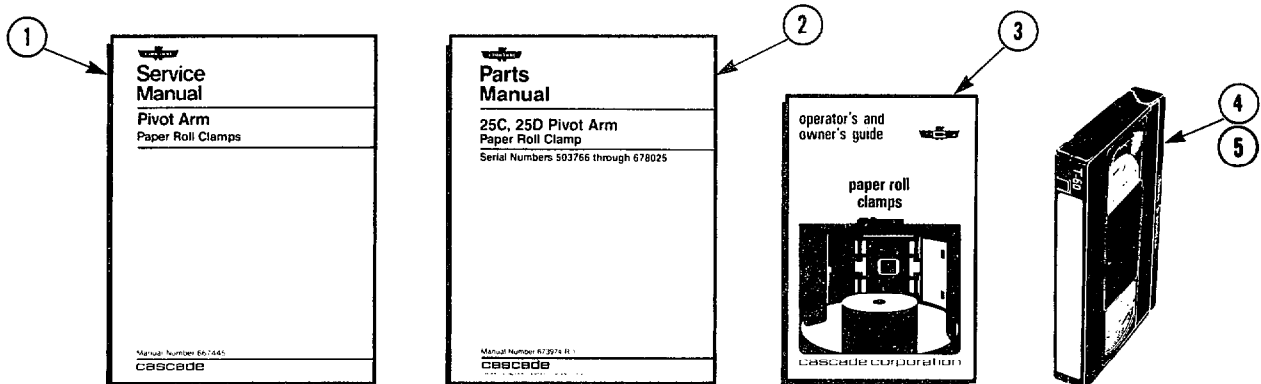
A detailed image of a Cascade Lift Truck Attachment nameplate. The nameplate is rectangular with a black background and white text. It contains the following information: 'cascade LIFT TRUCK ATTACHMENT' at the top; 'SERIAL NUMBER 503766-40' with an arrow pointing to the right; 'CATALOG NUMBER 25C - RC - 03A' and 'WEIGHT LBS' with a blank space; three lines for 'ADDITIONAL EQUIPMENT'; 'ATTACHMENT CAPACITY' with two blank spaces for 'POUNDS AT' and 'INCH LOAD CENTER'; a warning statement: 'CAPACITY OF TRUCK AND ATTACHMENT COMBINATION MAY BE LESS THAN ATTACHMENT CAPACITY SHOWN ABOVE. CONSULT TRUCK NAMEPLATE.'; and contact information for Cascade Corporation: 'FOR SERVICE AND PARTS LITERATURE CONTACT cascade corporation 503/6661511 PORTLAND, OREGON, U.S.A.'.



Serial Number Index

Serial Number (U.I.No.)	Model	Frame Group Page	Drive Group Page	Check Valve Page	Revolving Connection Page	Long Arm Cylinder Page	Short Arm Cylinder Page	Long Arm Page	Short Arm Page	Mounting Group Page
503766	25C	1	3	5	7	8	10	11	13	15, 16
504000	25C	1	3	5	7	8	10	11	13	15, 16
511752	25D	2	3	6	7	9	10	12	14	15, 16
511753	25D	2	3	6	7	9	10	12	14	15, 16
678024	25D	1	3	5	7	9	10	12	14	15, 16
678025	25D	1	3	5	7	9	10	12	14	15, 16

Publications



25C/25D		
REF.	PART NO.	DESCRIPTION
1	667445	Service Manual
2	673974	Parts Manual
3	660422	Operator's Guide
4	677542	Driver Training Video-3/4"
	677555	Driver Training Video-VHS
	677556	Driver Training Video-Beta
5	678362	Troubleshooting Video-3/4"
	678363	Troubleshooting Video-VHS
	678364	Troubleshooting Video-Beta

Safety Decals

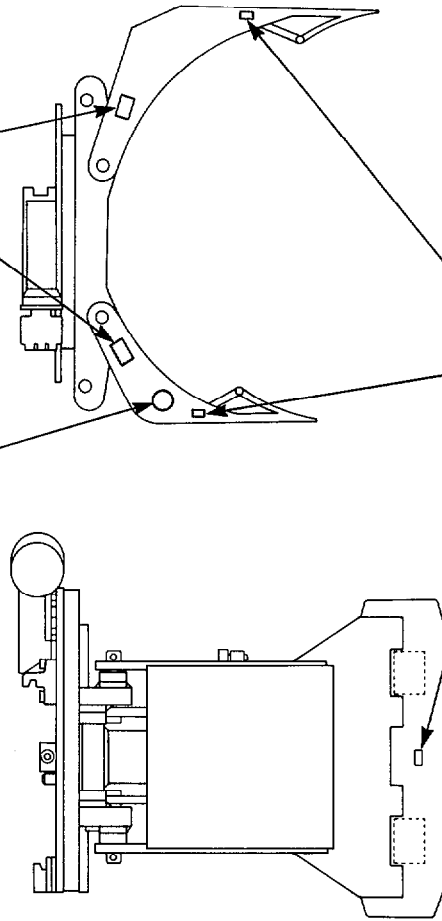
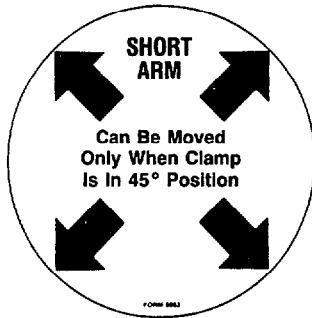


Part No. 656038
Arms Top and Bottom
(4 Places)

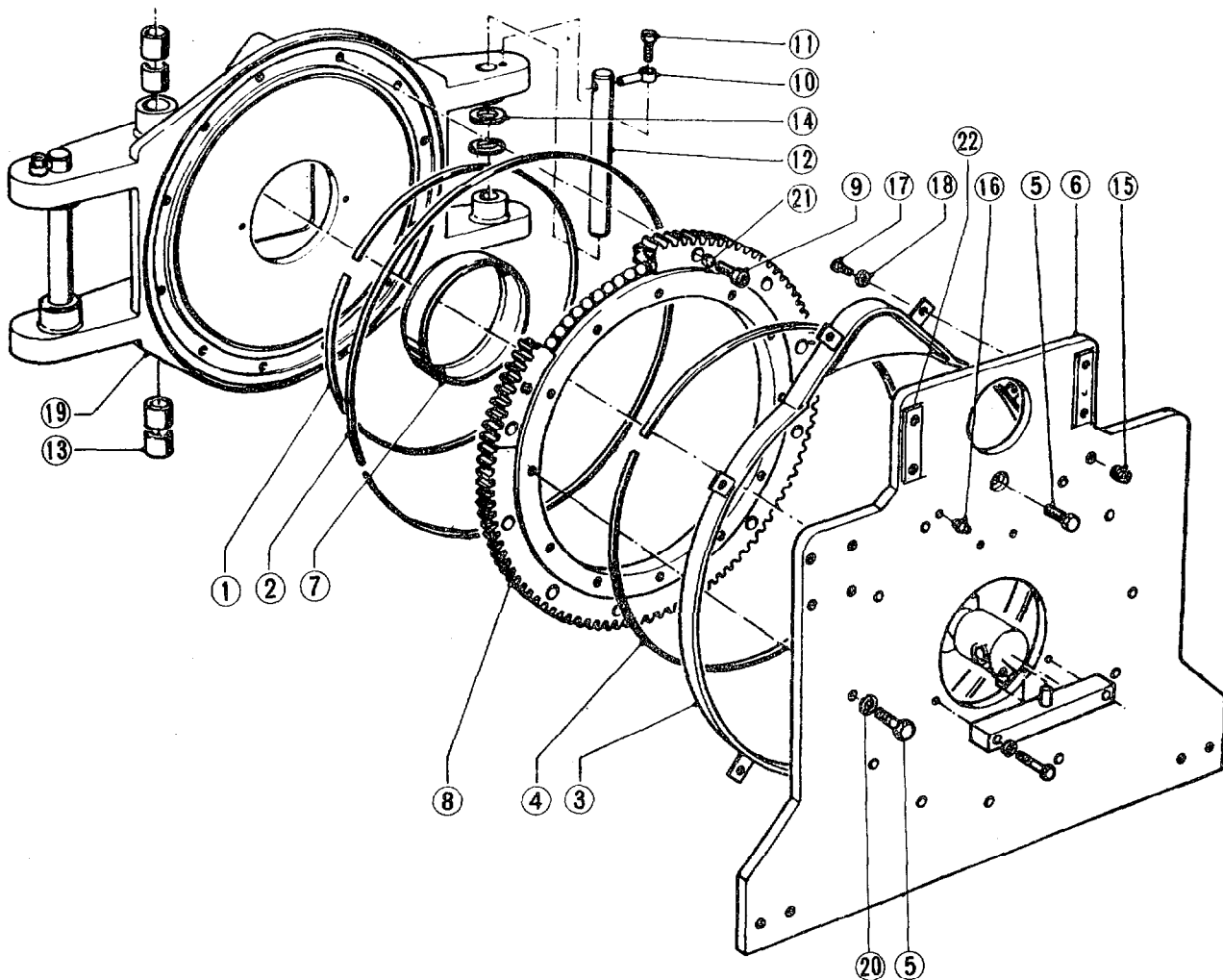


Part No. 665595
Arms Top and Bottom
Contact Pads Both Sides
(6 Places)

Part No. 660269
Arm Top and Bottom
(2 Places)



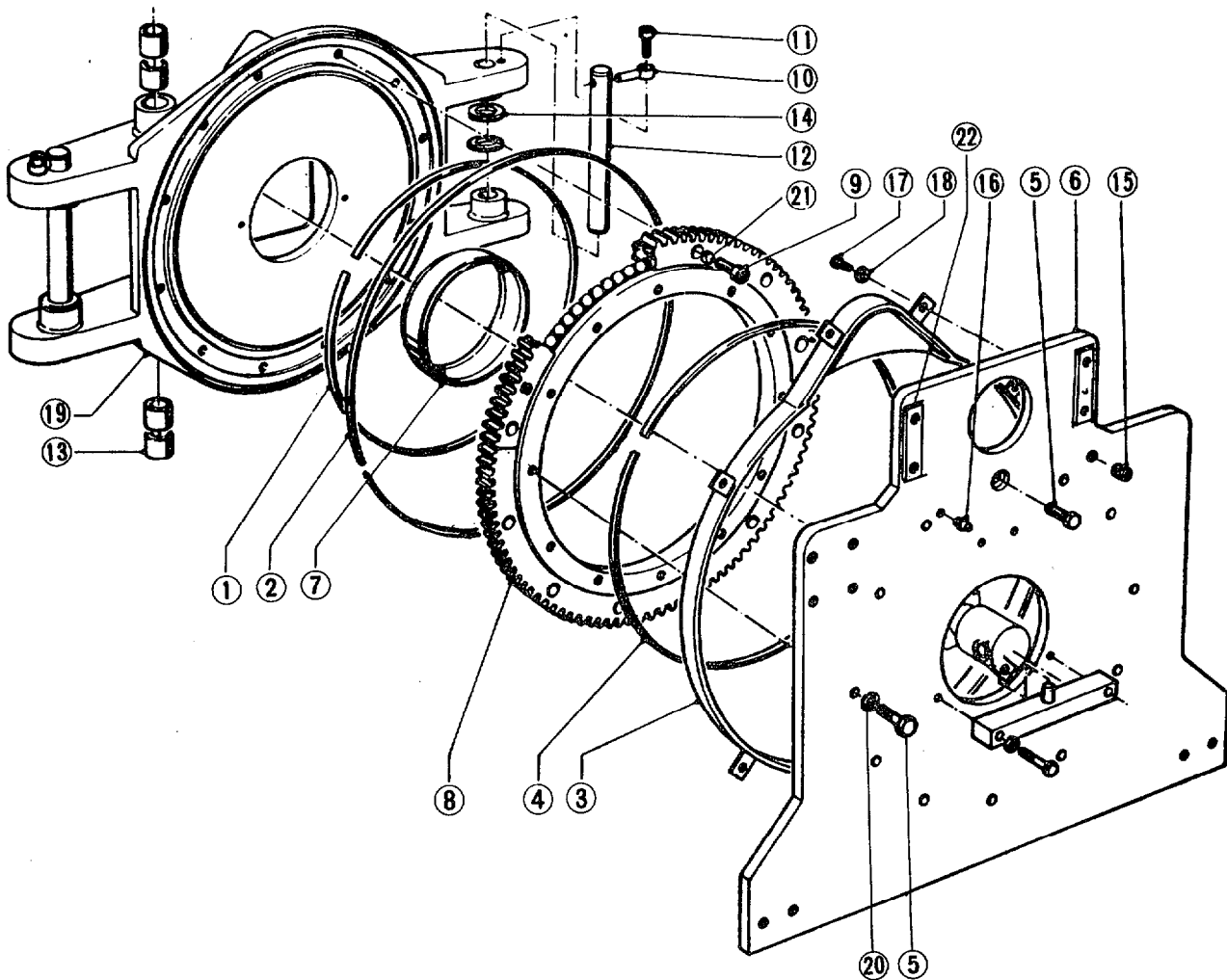
Rotator Frame



Assy. No; 503758 Rotator Frame Assy.

25C/25D							
REF. NO.	QTY.	PART NO.	DESCRIPTION	REF. NO.	QTY.	PART NO.	DESCRIPTION
1	1	625398	Seal	12	2	503718	Pin
2	1	625396	Seal	13	4	629315	Bushing
3	1	625403	Guard-Ring Gear	14	8	660200	Shim
4	1	625402	Seal	15	1	6611	Plug
5	12	636407	Capscrew	16	1	7401	Grease Fitting
6	1	633803	Base Plate	17	6	3602	Capscrew
7	1	631264	Seal	18	6	6288	Lockwasher
8	1	656302	Bearing Assy.	19	1	503759	Revolving Frame
9	12	4506	Capscrew	20	12	6290	Lockwasher
10	2	651091	Eye Bolt	21	12	6374	Lockwasher
11	2	651090	Shoulder Bolt	22	4	629166	Spacer

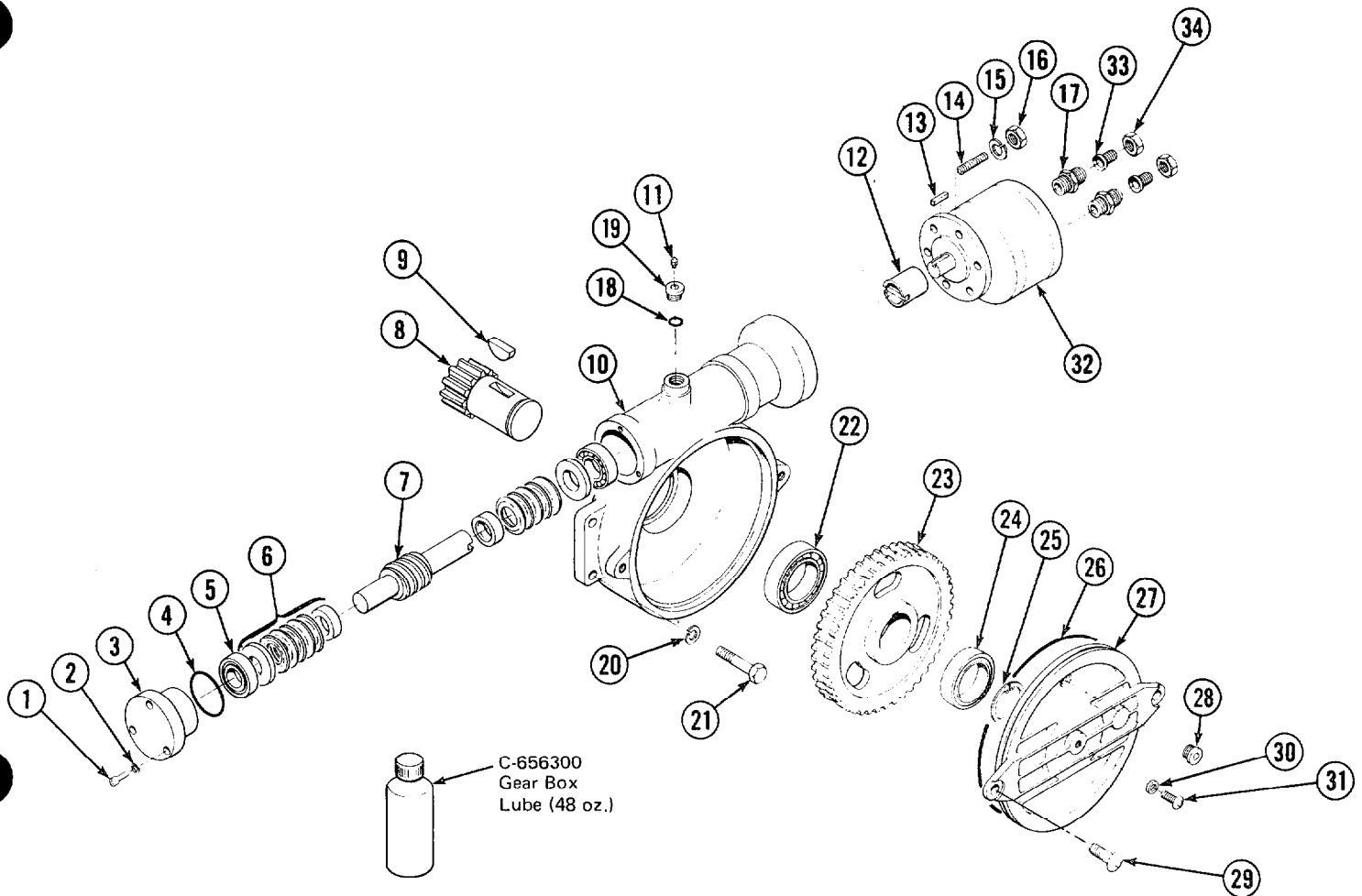
Rotator Frame



Assy. No: 510628 Rotator Frame Assy.

25D							
REF. NO.	QTY.	PART NO.	DESCRIPTION	REF. NO.	QTY.	PART NO.	DESCRIPTION
1	1	625398	Seal	12	2	503718	Pin
2	1	625396	Seal	13	4	629315	Bushing
3	1	625403	Guard-Ring Gear	14	8	660200	Shim
4	1	625402	Seal	15	1	6611	Plug
5	12	636407	Capscrew	16	1	7401	Grease Fitting
6	1	633803	Base Plate	17	6	3602	Capscrew
7	1	631264	Seal	18	6	6288	Lockwasher
8	1	656302	Bearing Assy.	19	1	510629	Revolving Frame
9	12	4506	Capscrew	20	12	6290	Lockwasher
10	2	651091	Eye Bolt	21	12	6374	Lockwasher
11	2	651090	Shoulder Bolt	22	4	629166	Spacer

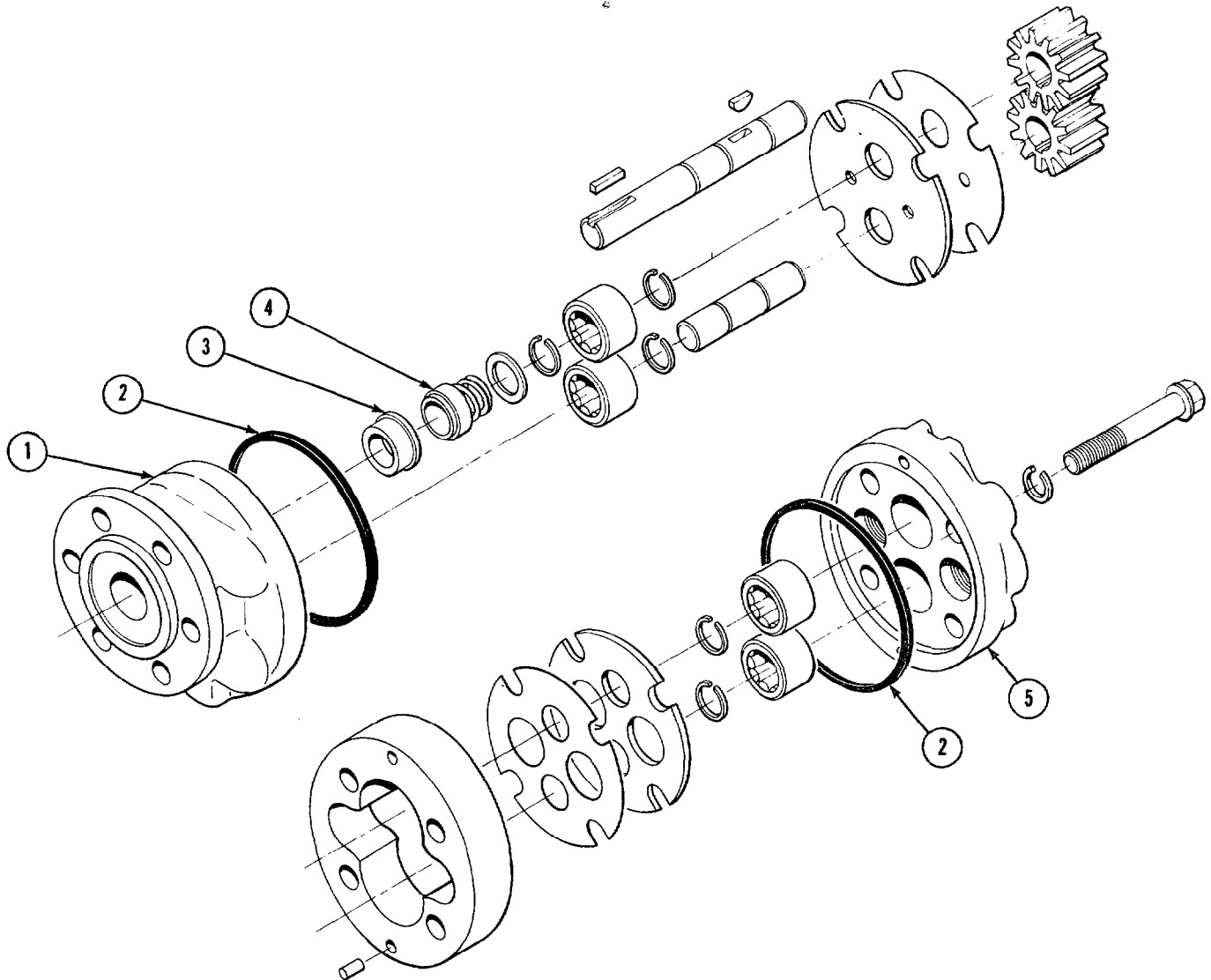
Rotator Drive Group



25C/25D							
REF. NO.	QTY.	PART NO.	DESCRIPTION	REF. NO.	QTY.	PART NO.	DESCRIPTION
		646211	Drive Grp. w/2MO12 Motor	17	2	2313	Male Connector
		656622	Drive Assembly	18	1	643375	O-Ring
1	3	4441	Capscrew	19	1	668154	Plug
2	3	6370	Lockwasher	20	4	6290	Lockwasher
3	1	669211	End Cap	21	4	3655	Capscrew
4	1	2787	O-Ring	22	1	13661	Bearing
5	2	13663	Bearing	23	1	625430	Gear
6	1	656489	Spring Washer Service Kit	24	1	13662	Bearing
7	1	655597	Worm	25	1	7204	Snap Ring
8	1	666263	Pinion	26	1	2833	O-Ring
9	1	13654	Key	27	1	668143	Cover
10	1	625429	Case	28	1	609455	Plug
11	1	644010	Relief Fitting	29	2	675521	Capscrew
12	1	655598	Coupling	30	1	603680	Seal
13	1	625434	Key	31	1	4874	Capscrew
14	6	610392	Studs	32	1	646212	Motor
15	6	6288	Lockwasher	33	2	2671	Adapter
16	6	5702	Nut	34	2	2618	Nut

● See page 3 for parts breakdown.

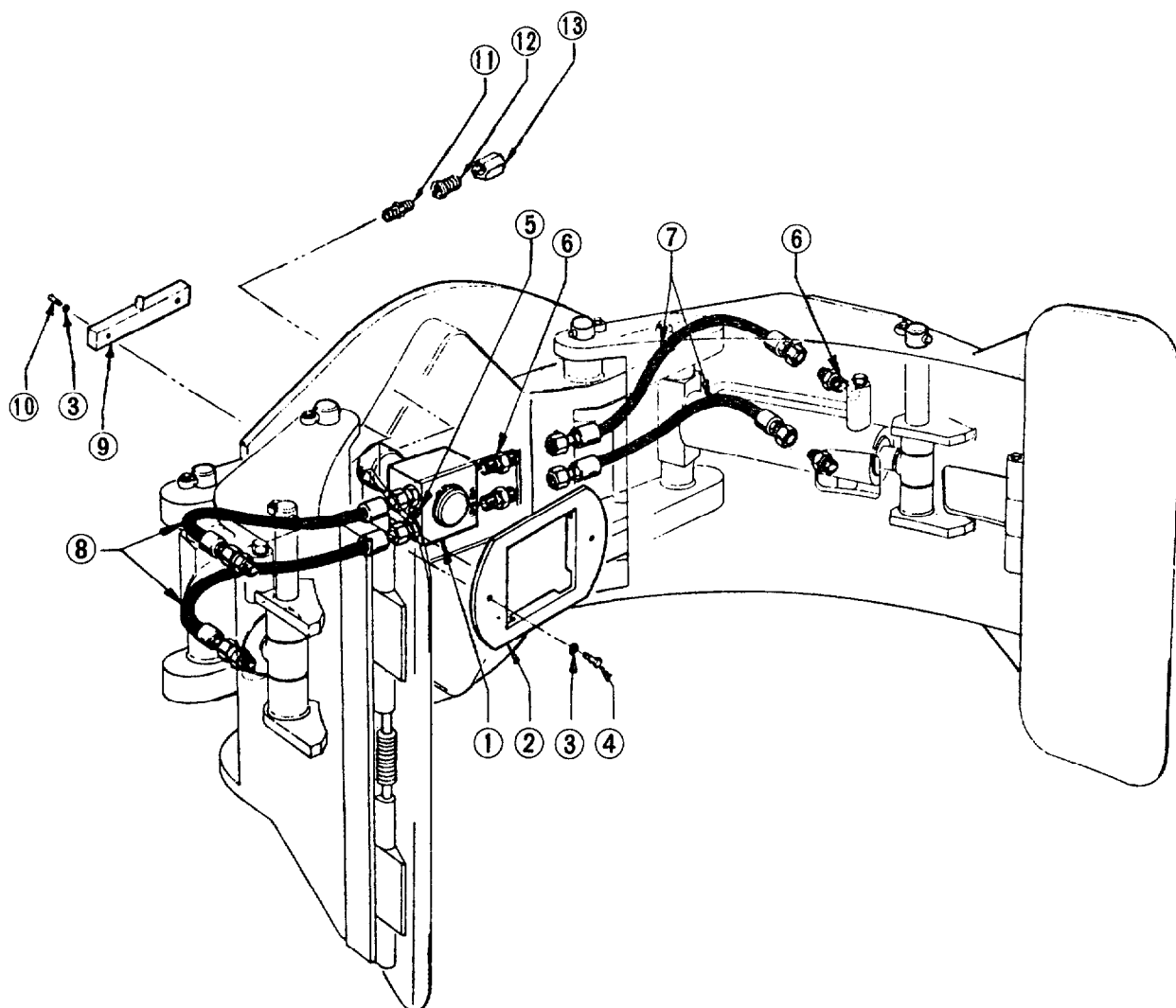
Rotator Drive Motor



25C/25D			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		646212	Motor Assembly-2MO12
1	1	660020	Adapter
2	1	●	O-Ring
3	1	●	Seal Seat
4	1	●	Seal Assembly
5	1	659999	Cover
		660024	Service Kit

● Included in Service Kit 660024.

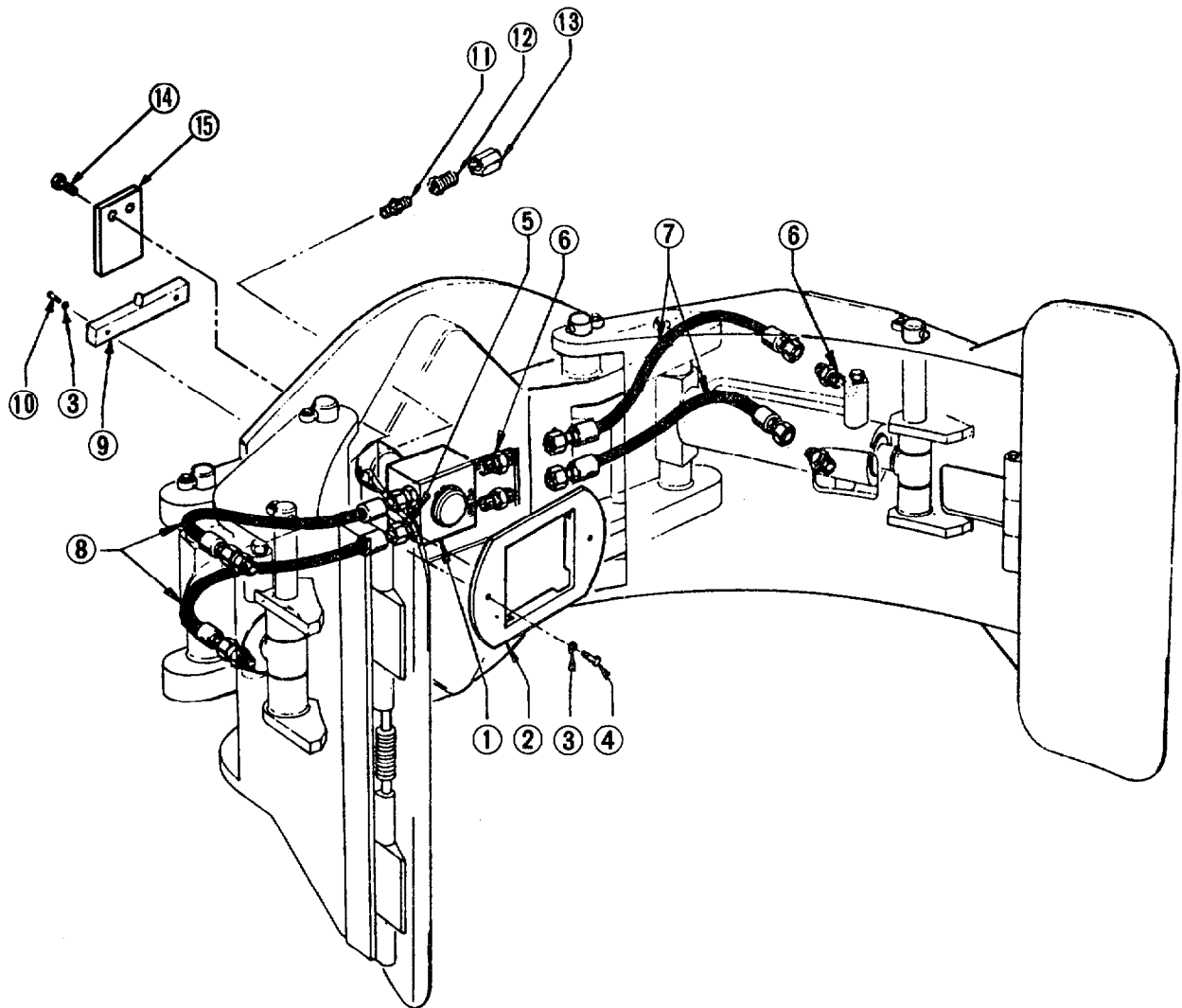
Check Valve Group



25C/25D			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		503761	Check Valve Group
● 1	1	655576	Revolving Connection
2	1	645599	Retainer
3	4	6288	Lockwasher
4	2	3601	Capscrew
5	4	604510	Plug
6	8	604511	Connector
7	2	504065	Hose - Long Arm
8	2	632114	Hose - Short Arm
9	1	626592	Bar Keeper
10	2	3604	Capscrew
11	2	601377	Connector
12	2	2671	Reducer
13	2	2618	Nut

● See page 5 for parts breakdown.

Check Valve Group



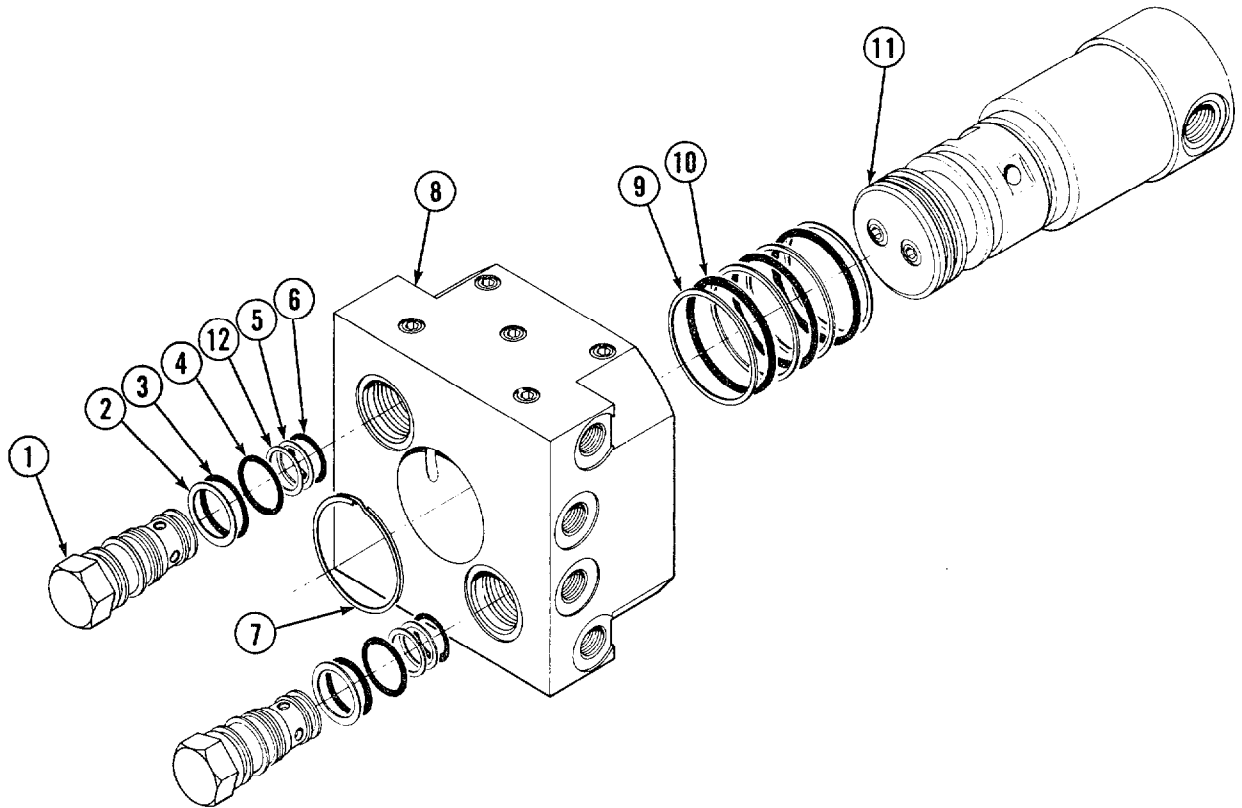
25D			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		508972	Check Valve Group
● 1	1	655576	Revolving Connection
2	1	645599	Retainer
3	4	6288	Lockwasher
4	2	3601	Capscrew
5	4	604510	Plug
6	8	604511	Connector
7	2	660203	Hose-Long Arm
8	2	640134	Hose-Short Arm
9	1	626592	Bar Keeper
10	2	3604	Capscrew
11	2	601377	Connector
12	2	2671	Reducer
13	2	2618	Nut
14	2	3652	Capscrew
15	1	509956	Retainer

● See page 5 for parts breakdown.

Revolving Connection

IMPORTANT

Revolving connection part numbers are stamped on the body and must be referred to when ordering service parts.

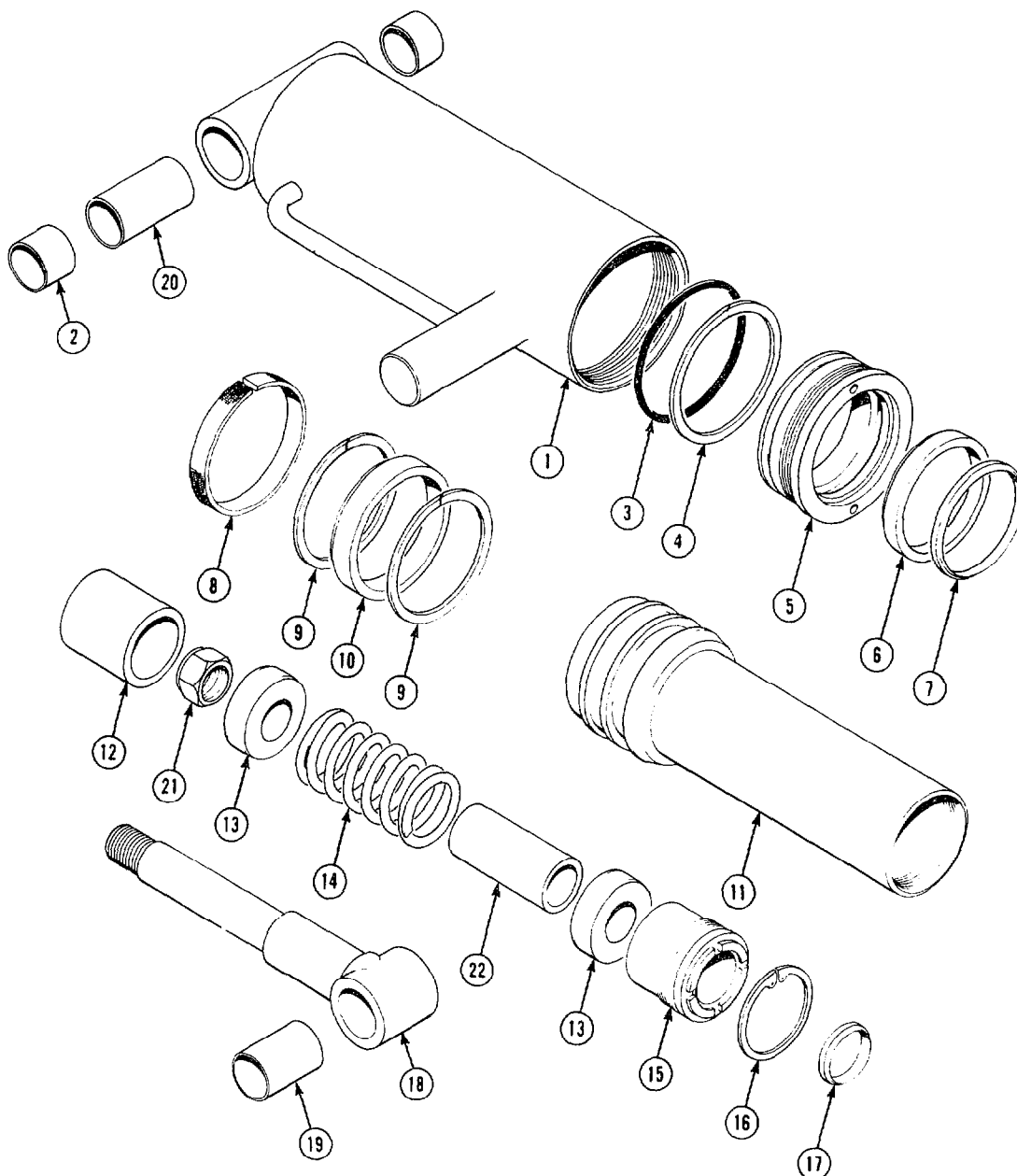


25C/25D			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		655576	Revolving Connection
1	2	661816	Valve Cartridge
•2	1	656035	Back-up Ring
•3	1	643374	O-Ring
•4	1	643373	O-Ring
•5	1	602733	Back-up Ring
•6	1	2708	O-Ring
7	1	7205	Snap Ring
8	1	659162	Body
••9	4	615128	Back-up Ring
••10	3	645592	O-Ring
11	1	662024	Shaft
•12	2	668927	Back-up Ring
		651876	Service Kit, Shaft Seals
		656223	Service Kit, Cartridge Seals

- Included in Cartridge Seal Service Kit 656223.
- Included in Shaft Seal Service Kit 651876.

Cylinder Assembly

Long Arm

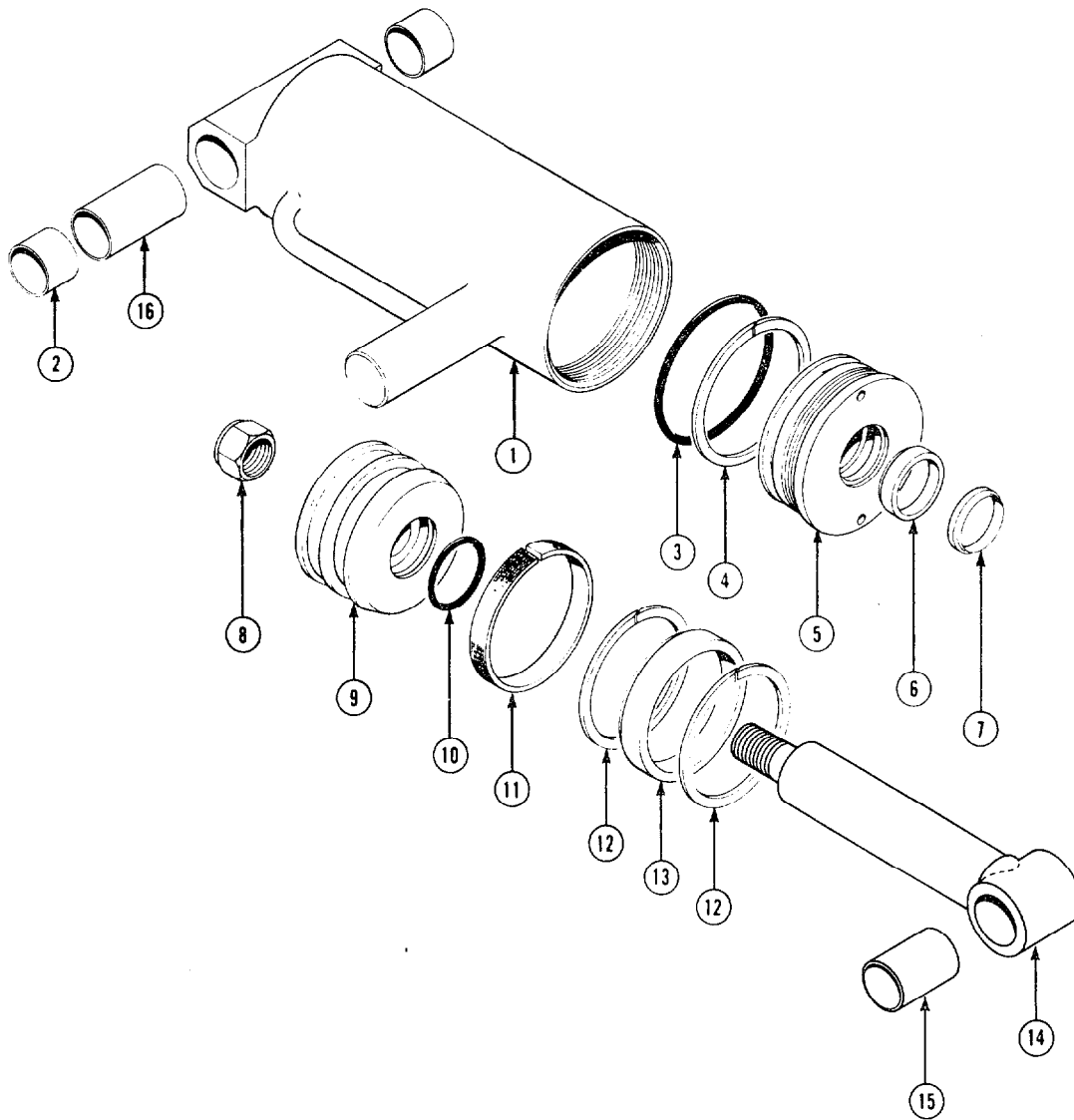


25C							
REF. NO.	QTY.	PART NO.	DESCRIPTION	REF. NO.	QTY.	PART NO.	DESCRIPTION
	1	503574	Cylinder Assembly	12	1	503714	Spacer
1	1	503707	Shell Assembly	13	2	659933	Piston
2	2	629315	Bushing	14	1	503715	Spring
•3	1	2801	O-Ring	15	1	659935	Retainer
•4	1	615144	Back-up Ring	16	1	659936	Snap Ring
5	1	659937	Retainer	•17	1	636854	Wiper Ring
•6	1	641478	Seal	18	1	659934	Rod
•7	1	636859	Wiper Ring	19	1	629313	Bushing
•8	1	636945	Bearing	20	1	651382	Sleeve
•9	2	660952	Nylon Ring	21	1	5883	Nut
•10	1	641527	Seal	22	1	659902	Spacer
11	1	503711	Plunger			660955	Seal Kit

•Included in Cylinder Service Kit, 660955

Cylinder Assembly

Long Arm

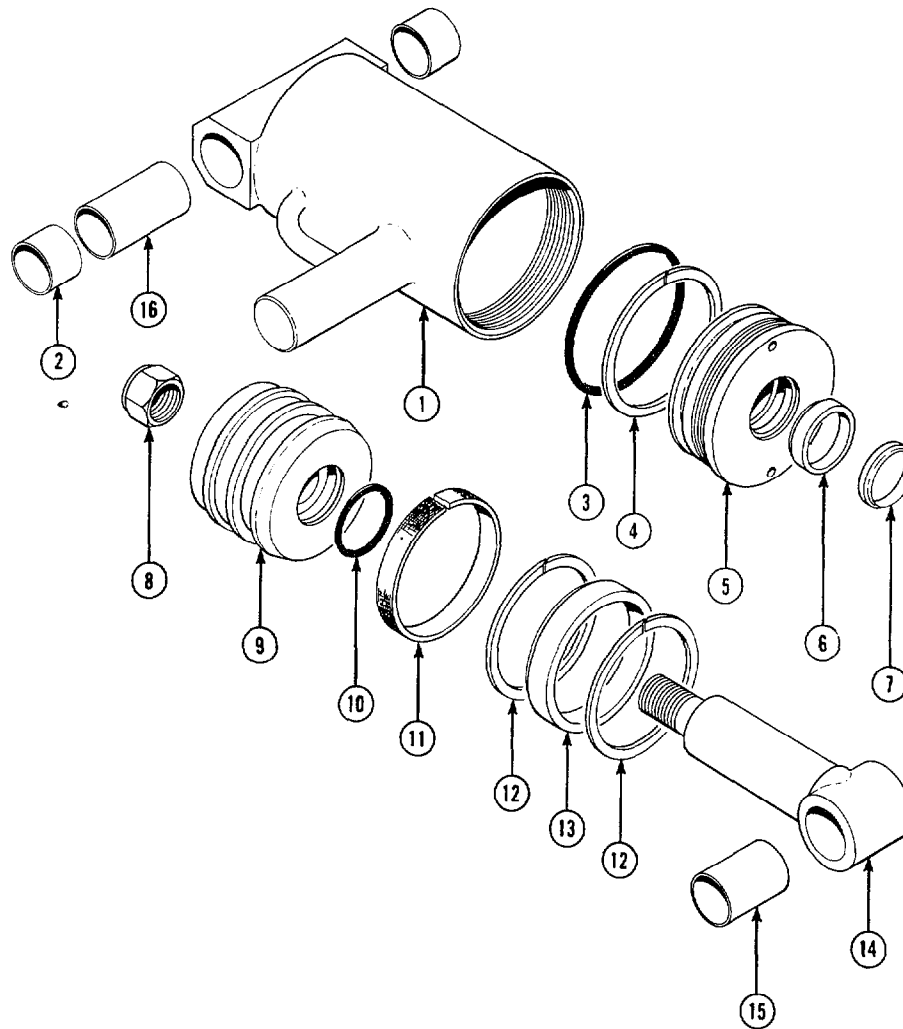


25D							
REF. NO.	QTY.	PART NO.	DESCRIPTION	REF. NO.	QTY.	PART NO.	DESCRIPTION
	1	510923	Cylinder Assembly	9	1	659956	Piston
1	1	510924	Shell Assembly	•10	1	2784	O-Ring
2	2	629315	Bushing	•11	1	636943	Bearing
•3	1	2797	O-Ring	•12	2	660951	Nylon Ring
•4	1	615140	Back-up Ring	•13	1	555726	Seal
5	1	659957	Retainer	14	1	510925	Rod
•6	1	641471	Seal	15	1	629313	Bushing
•7	1	636854	Wiper Ring	16	1	651382	Sleeve
8	1	5883	Nut		1	660954	Kit, Cylinder Service

•Included in Cylinder Service Kit, 660954

Cylinder Assembly

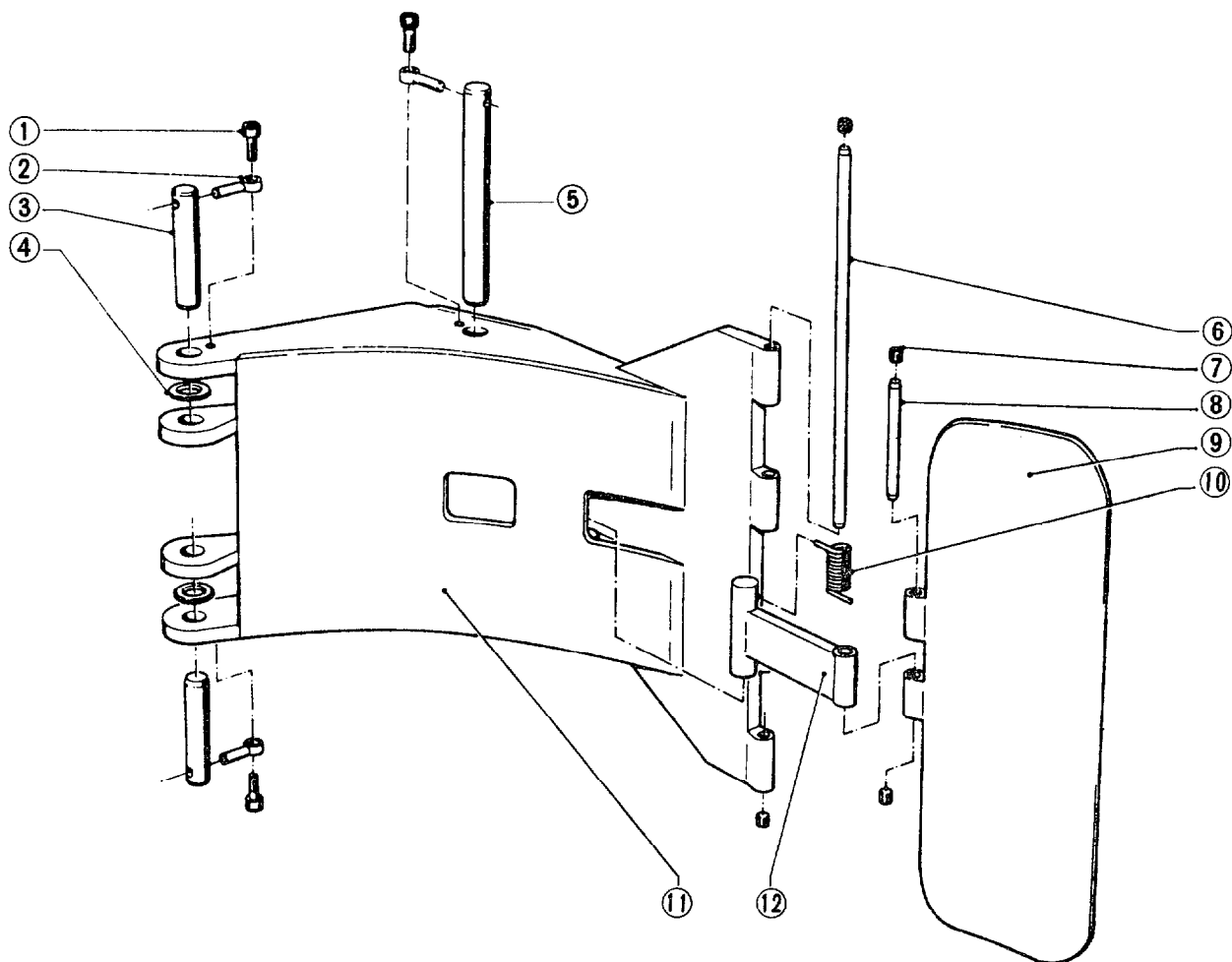
Short Arm



25C/25D							
REF. NO.	QTY.	PART NO.	DESCRIPTION	REF. NO.	QTY.	PART NO.	DESCRIPTION
	1	503575	Cylinder Assembly	9	1	659956	Piston
1	1	503736	Shell Assembly	10	1	2784	O-Ring
2	2	629315	Bushing	11	1	636943	Bearing
3	1	2797	O-Ring	12	2	660951	Nylon Ring
4	1	615140	Back-up Ring	13	1	641525	Seal
5	1	659957	Retainer	14	1	651381	Rod
6	1	641471	Seal	15	1	629313	Bushing
7	1	636854	Wiper Ring	16	1	651382	Sleeve
8	1	5883	Nut		1	660954	Kit, Cylinder Service

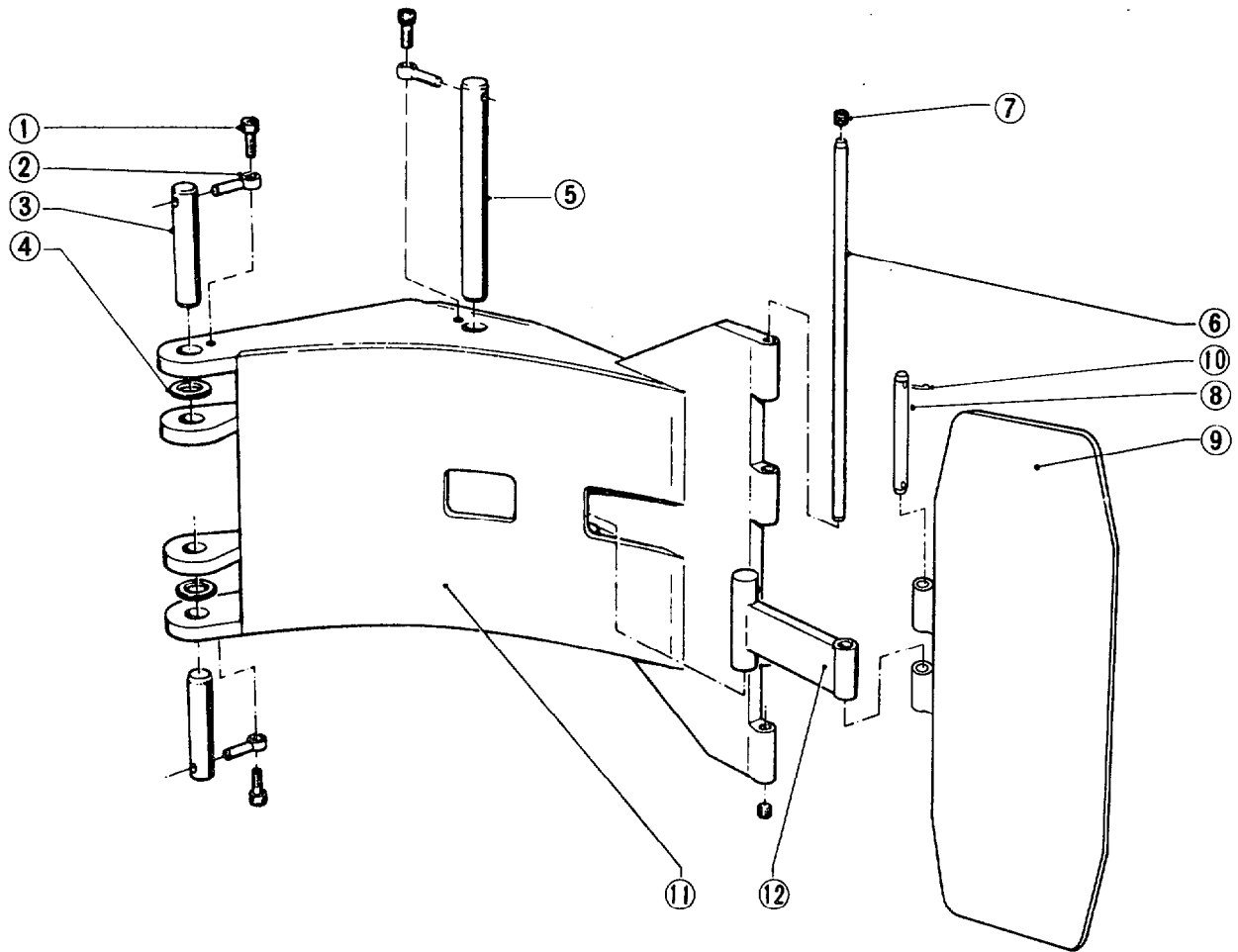
•Included in Cylinder Service Kit, 660954

Long Arm



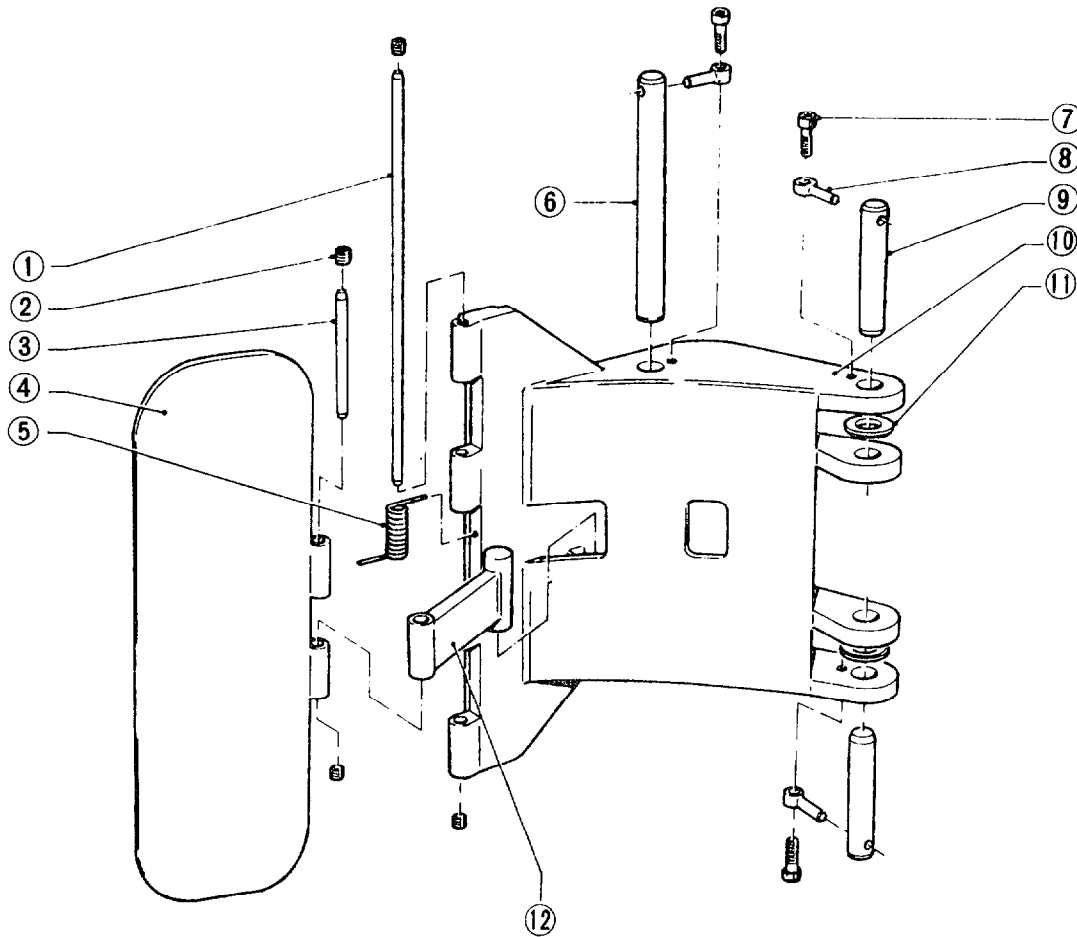
25C			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		503723	Long Arm Assembly
1	3	651090	Shoulder Bolt
2	3	651091	Eye Bolt
3	2	503729	Pin
4	4	660200	Shim
5	1	503718	Pin
6	1	503727	Pin
7	4	651113	Plug
8	1	503728	Pin
9	1	503725	Contact Plate
10	1	650845	Spring
11	1	503724	Long Arm Weldment
12	1	765297	Link

Long Arm



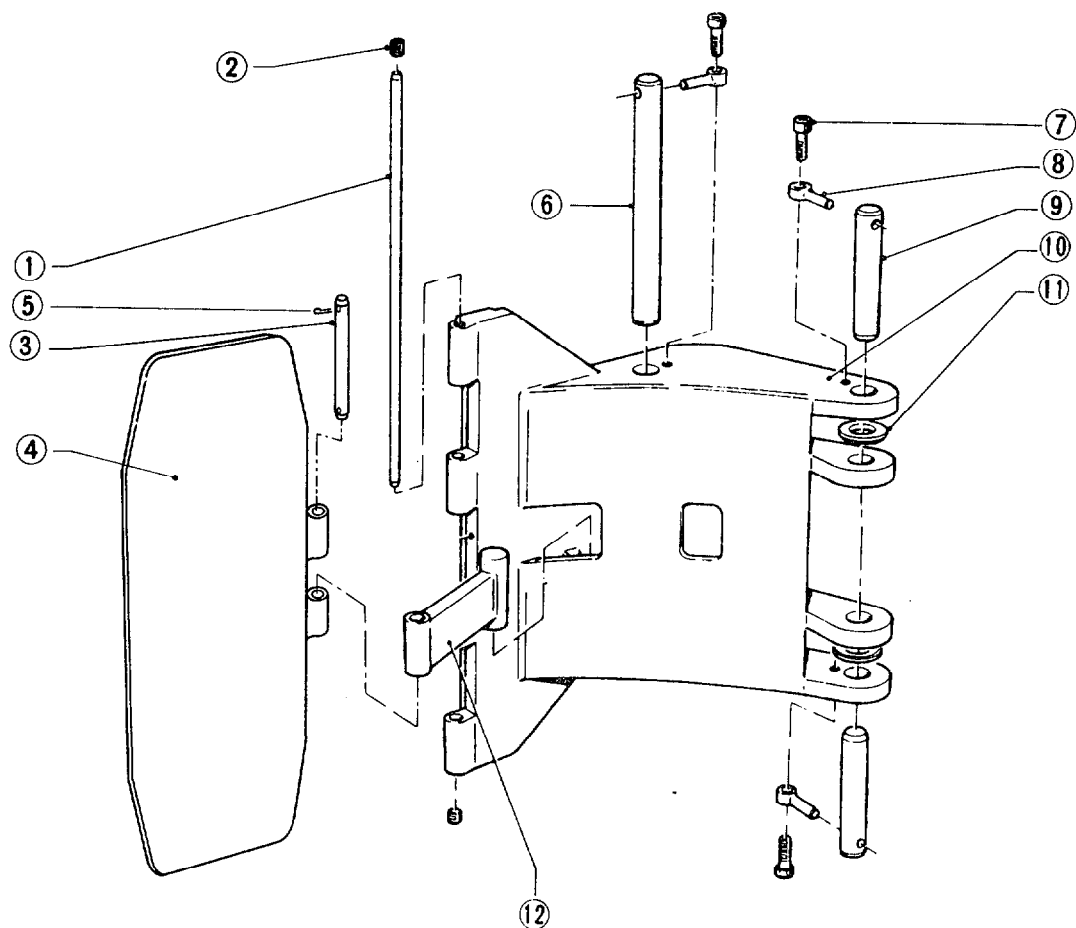
25D			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		503723	Long Arm Assembly
1	3	651090	Shoulder Bolt
2	3	651091	Eye Bolt
3	2	503729	Pin
4	4	660200	Shim
5	1	503718	Pin
6	1	503727	Pin
7	2	651113	Plug
8	1	511047	Pin
9	1	673893	Contact Plate
10	2	6517	Cotter Pin
11	1	503724	Long Arm Weldment
12	1	765297	Link

Short Arm



25C			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		503730	Short Arm Assembly
1	1	503727	Pin
2	4	651113	Plug
3	1	503728	Pin
4	1	503725	Contact Plate
5	1	650845	Spring
6	1	503718	Pin
7	3	651090	Shoulder Bolt
8	3	651091	Eye Bolt
9	2	503729	Pin
10	1	503731	Short Arm Weldment
11	4	660200	Shim
12	1	765305	Link

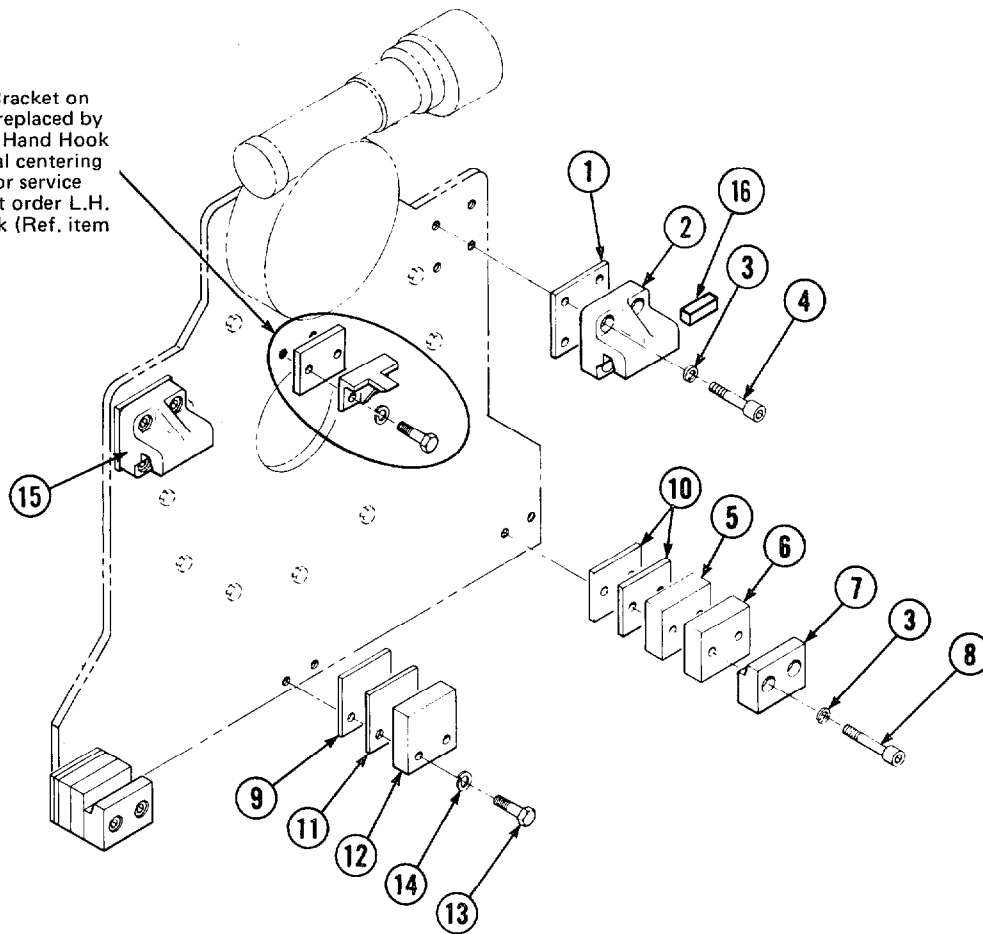
Short Arm



25D			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		511046	Short Arm Assembly
1	1	503727	Pin
2	2	651113	Plug
3	1	511047	Pin
4	1	673893	Contact Plate
5	2	6517	Cotter Pin
6	1	503718	Pin
7	3	651090	Shoulder Bolt
8	3	651091	Eye Bolt
9	2	503729	Pin
10	1	503731	Short Arm Weldment
11	4	660200	Shim
12	1	765305	Link

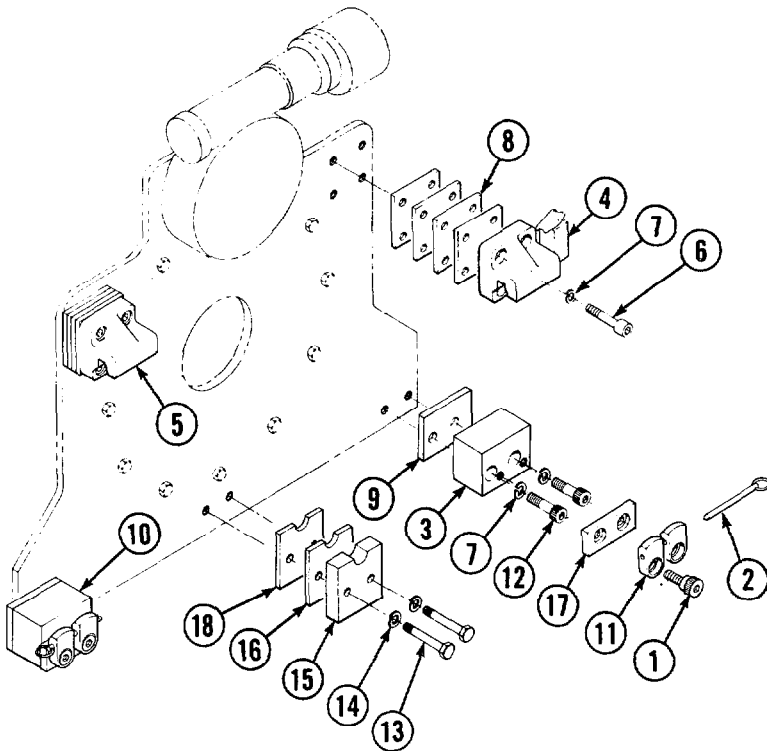
Mounting Group

Centering Bracket on early units replaced by Upper Left Hand Hook with integral centering bracket. For service replacement order L.H. Upper Hook (Ref. item 15).



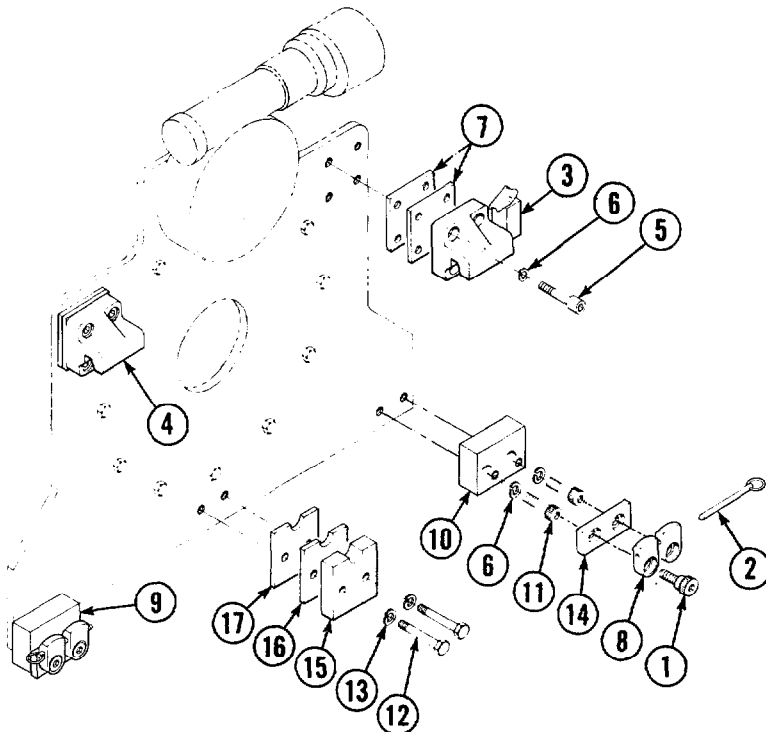
25C/25D				
REF. NO.	QTY.	CLASS II—0° PART NO.	CLASS II—4° PART NO.	DESCRIPTION
		627445	624906	Mounting Group
1	4	661496	—	Spacer
	2	—	661496	Spacer
2	1	625447	625447	Upper Hook R.H.
3	12	6447	6447	Lockwasher
4	8	607089	607087	Cap screw
5	2	632904	—	Spacer
6	4	—	627369	Pad
	2	627369	—	Pad
7	2	625450	625450	Lower Hook
8	4	607095	607089	Cap screw
9	1	640510	—	Spacer
10	4	—	640499	Spacer
	2	640499	—	Spacer
11	2	—	640510	Pad
	1	638981	—	Pad
12	2	—	638981	Pad
	1	638975	—	Pad
13	2	3613	3606	Cap screw
14	2	6288	6288	Lockwasher
15	1	666013	666013	Upper Hook L.H.
16	1	669344	669344	Stop Block Kit

Quick-Change Mounting Group



25C/25D Class II, 0°			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		730677	Mounting Group
*1	4	730683	Shoulder Screw
*2	2	734771	Pin
*3	1	730687	Bar Spacer R.H.
*4	1	737015	Hook, Upper
5	1	625447	Hook, Upper
6	8	607089	Capscrew
7	12	6447	Lockwasher
8	8	630519	Spacer
9	2	627369	Pad
*10	1	730686	Bar Spacer L.H.
*11	4	734769	Latch
*12	4	607090	Capscrew
13	2	3613	Capscrew
14	2	6288	Lockwasher
15	1	638975	Pad
16	1	638981	Pad
*17	2	730685	Bar Adapter
18	1	640510	Pad
		731064	Field Conversion Kit

*Included in field conversion kit.



25C/25D Class II, 4°			
REF. NO.	QTY.	PART NO.	DESCRIPTION
		730709	Mounting Group
*1	4	730683	Shoulder Screw
*2	2	734771	Pin
*3	1	737015	Hook, Upper
4	1	625447	Hook, Upper
5	8	607087	Capscrew
6	12	6447	Lockwasher
7	4	630519	Spacer
*8	4	734769	Latch
*9	1	730710	Bar Spacer L.H.
*10	1	730711	Bar Spacer R.H.
*11	4	607084	Capscrew
12	2	3606	Capscrew
13	2	6288	Lockwasher
*14	2	730685	Bar Adapter
15	2	638981	Pad
16	4	640499	Pad
17	2	640510	Pad
		731063	Field Conversion Kit

*Included in field conversion kit.

Recommended Spare Parts List

25C/25D PAPER ROLL CLAMPS					
PART NUMBER		DESCRIPTION	ATTACHMENTS SERVICED		
25C	25D		1-5	6-15	16-25
503718 629315 660200	503718 629315 660200	ROTATOR FRAME Pin Bushing Shim			
666263 655597 13663 625430 13661 13662 7204 2833 656489	666263 655597 13663 625430 13661 13662 7204 2833 656489	ROTATOR DRIVE GROUP Pinion Worm Bearing Worm Gear Bearing Bearing Snap Ring O-Ring Spring Washer Service Kit			
661816 656223 651876	661816 656223 651876	REVOLVING CONNECTION Valve Cartridge Cartridge Service Kit Shaft Service Kit			
660955 660954	660954 660954	CYLINDERS Long Arm Service Kit Short Arm Service Kit			
503729 503725	503729 673893	ARM GROUPS Pin Contact Pad			
669344	669344	STOP KIT Stop Kit			
668209	668209	PAINT, CASCADE YELLOW 12 oz. Aerosol Can			
673974 667445 660422 677542 677555 677556	673974 667445 660422 677542 677555 677556	PUBLICATIONS Parts Manual Service Manual Operator's Guide Driver Training Video—3/4" Driver Training Video—VHS Driver Training Video—Beta			

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

Cascade Corporation
2501 Sheridan Avenue
P.O. Box 360
Springfield, Ohio 45505
Tel.: (513) 322-1199
Telex: 279563

**Cascade Scandinavia
Hydraulik A.B.**
Muskötgatan 17-(E.8-9)
252 55 Helsingborg
Sweden
Tel.: 042-151135
Telex: 72565 caschbg s

Cascade Hydraulics Ltd.
7615 Kimbel Street
Mississauga, Ontario
Canada L5S-1A8
Tel: 416/677-9695
Direct Parts Line:
416/677-9686
416/677-9684
Te/Ac: 06-968715

Cascade Japan Ltd.
4-1, 1-Chome,
Shin Senri Higashimachi
Toyonaka, Osaka 565
Japan
Tel.: 06-835-2900
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