



HELPING-HANDTM



Parts Manual

labrie | DRIVE EXCELLENCE

www.labriegrup.com



labrie**plus**

Thank you for your purchase of a new Labrie Helping Hand Arm. To ensure maximum reliability, insist on genuine **labrieplus** replacement parts. LabriePlus replacement parts are designed and manufactured to exacting standards. The use of counterfeit, will-fit or substitute parts may effect the operation and performance of the unit.

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CAPSCREW MARKING AND TORQUE VALUES

Usage	Much Used	Used at Times	Used at Times
Capscrew Diameter & Minimum Tensile Strength PSI	To 3/4 - 120,000 To 1 - 115,000	To 5/8 - 140,000 To 3/4 - 133,000	150,000
Quality of Material	Min. Commercial	Med. Commercial	Best Commercial
SAE Grade Number	5	6 or 7	8
CAPSCREW HEAD MARKINGS Manufacturers marks may vary. These are all SAE Grade 5 (3-line.)     			
Capscrew Body Size (Inches) - (Thread)	Torque Ft-Lb (kg m)	Torque Ft-Lb (kg m)	Torque Ft-Lb (kg m)
1/4 - 20	8 (1.11)	10 (1.38)	12 (1.66)
- 28	10 (1.38)		14 (1.94)
5/16 - 18	17 (2.35)	19 (2.63)	24 (3.32)
- 24	19 (2.63)		27 (3.73)
3/8 - 16	31 (4.29)	34 (4.70)	44 (6.09)
- 24	35 (4.84)		49 (6.78)
7/16 - 14	49 (6.78)	55 (7.61)	70 (9.68)
- 20	55 (7.61)		78 (10.79)
1/2 - 13	75 (10.37)	85 (11.76)	105 (14.52)
- 20	85 (11.76)		120 (16.60)
9/16 - 12	110 (15.21)	120 (16.60)	155 (21.44)
- 18	120 (16.60)		170 (23.51)
5/8 - 11	150 (20.75)	167 (23.10)	210 (29.04)
- 18	170 (23.51)		240 (33.19)
3/4 - 10	270 (37.34)	280 (38.72)	375 (51.86)
- 16	295 (40.80)		420 (58.09)
7/8 - 9	395 (54.63)	440 (60.85)	605 (83.67)
- 14	435 (60.16)		675 (93.35)
1 - 8	590 (81.60)	660 (91.28)	910 (125.85)
- 14	660 (91.28)		990 (136.92)

NOTES:

1. Always use the torque values listed above when specific torque values are not available.
2. The above is based on use of clean, dry threads.
3. Reduce torque by 10% when engine oil is used as a lubricant.
4. Reduce torque by 20% if new plated capscrews are used.
5. General Formula for calculating Torques is as follows: Torque in Inch Lbs. = .2 x Nominal Diameter of Screw x Loads in Lbs., where Load = 80% of Yield Strength, expressed in Lbs., not pounds per square inch.

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Reward!

To the first person to notify us of an error in any of our publications!



If you find what you believe to be an error in any of our publications please complete the requested information and return the form to us by email.
If you are the first, you will receive a hat by return mail.

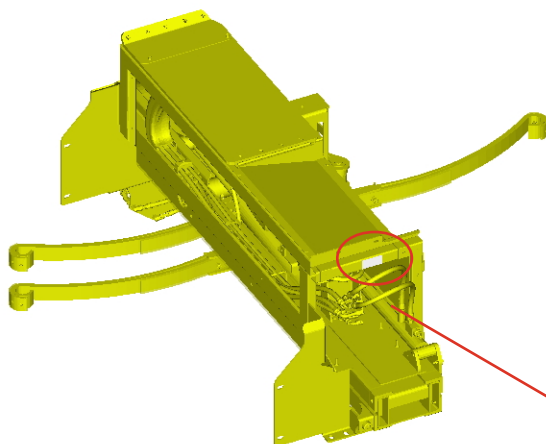
- I believe I found an error:
- In the _____ manual | Part No. _____ | Page(s) _____
- It should say: _____
- Name: _____ Address: _____



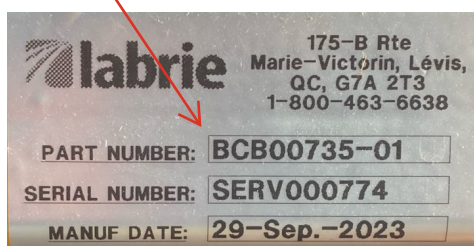
THANKS FOR YOUR HELP!

MANUALS@LABRIEGROUP.COM

Locating the Lift Arm Labrie P/N



Ref. Arm P/N

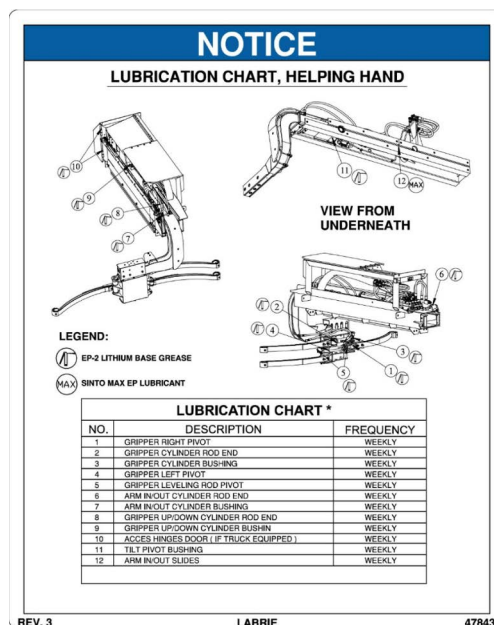


Standard Helping Hand Arm Assemblies

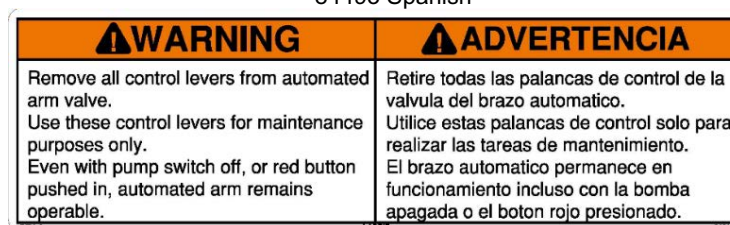
Labrie P/N	Model	Fitting Type	Arm Base Assembly	Arm Slide Assembly	Lifting Arm Assembly	Arm Hydraulics	Grabber Assembly	Finger Assembly	Details
BCB00501-08	Std.	ORFS	Std. Helping Hand	Std. Helping Hand	88258	BCB00501-08	168947	165519	
BCB00511-03	Std.	ORFS	Std. Helping Hand	Std. Helping Hand	171556	BCB00511-03	171747	165519	
BCB00515-10	Std.	JIC	Std. Helping Hand	Std. Helping Hand	64542-04	BCB00515-10	168947	165519	
BCB00525-03	Std.	JIC	Std. Helping Hand	Std. Helping Hand	165517	BCB00525-03	171747	165519	
BCB00525-05	Std.	JIC	Std. Helping Hand	Std. Helping Hand	165517	BCB00525-05	171747	165519	
BCBM2525-03	Std.	JIC	Std. Helping Hand	Std. Helping Hand	165517	BCB00525-03	171747	163060	Use bcb00525-03 exchange fingers
BCBM2525-05	Std.	JIC	Std. Helping Hand	Std. Helping Hand	165517	BCB00525-05	171747	163060	Use bcb00525-05 exchange fingers
BCBM2515-10	Std.	JIC	Std. Helping Hand	Std. Helping Hand	64542-04	BCB00515-10	168947	163060	Use bcb00515-10 exchange fingers

Long Reach Helping Hand Arm Assemblies

Labrie P/N	Model	Fitting Type	Arm Base Assembly	Arm Slide Assembly	Lifting Arm Assembly	Arm Hydraulics	Arm Middle Slide Assembly	Grabber Assembly	Finger Assembly	Details
BCB00700-07	Long Reach Helping Hand	JIC	Long Reach Helping Hand	Std. Helping Hand	88258	BCB00700-07	Long Reach	168947	165519	
BCB00702-09	Long Reach Helping Hand	JIC	Long Reach Helping Hand	Std. Helping Hand	64542-04	BCB00702-09	Long Reach	168947	165519	
BCBM2702-07	Long Reach Helping Hand	JIC	Long Reach Helping Hand	Std. Helping Hand	64542-04	BCB00702-09	Long Reach	168947	163060	BCB0702-09 exchange fingers
BCBM2702-09	Long Reach Helping Hand	JIC	Long Reach Helping Hand	Std. Helping Hand	64542-04	BCB00702-09	Long Reach	168947	163060	BCB0702-09 exchange fingers
BCB00703	Long Reach Helping Hand	JIC	Long Reach Helping Hand	Std. Helping Hand	64542-04	BCB00703	Long Reach	168947	165519	
BCB00735-01	Long Reach Helping Hand on AU	JIC	Long Reach Helping Hand on AU	Std. Helping Hand	189276	BCB00735-01	Long Reach	189359	165519	



210328 English/French
47843 English
47844 French
84493 Spanish



84015 English/Spanish
84014 English/French
47348 English
47349 French



84456 English/French
84457 English/Spanish



204537 English/Spanish
204513 English/French

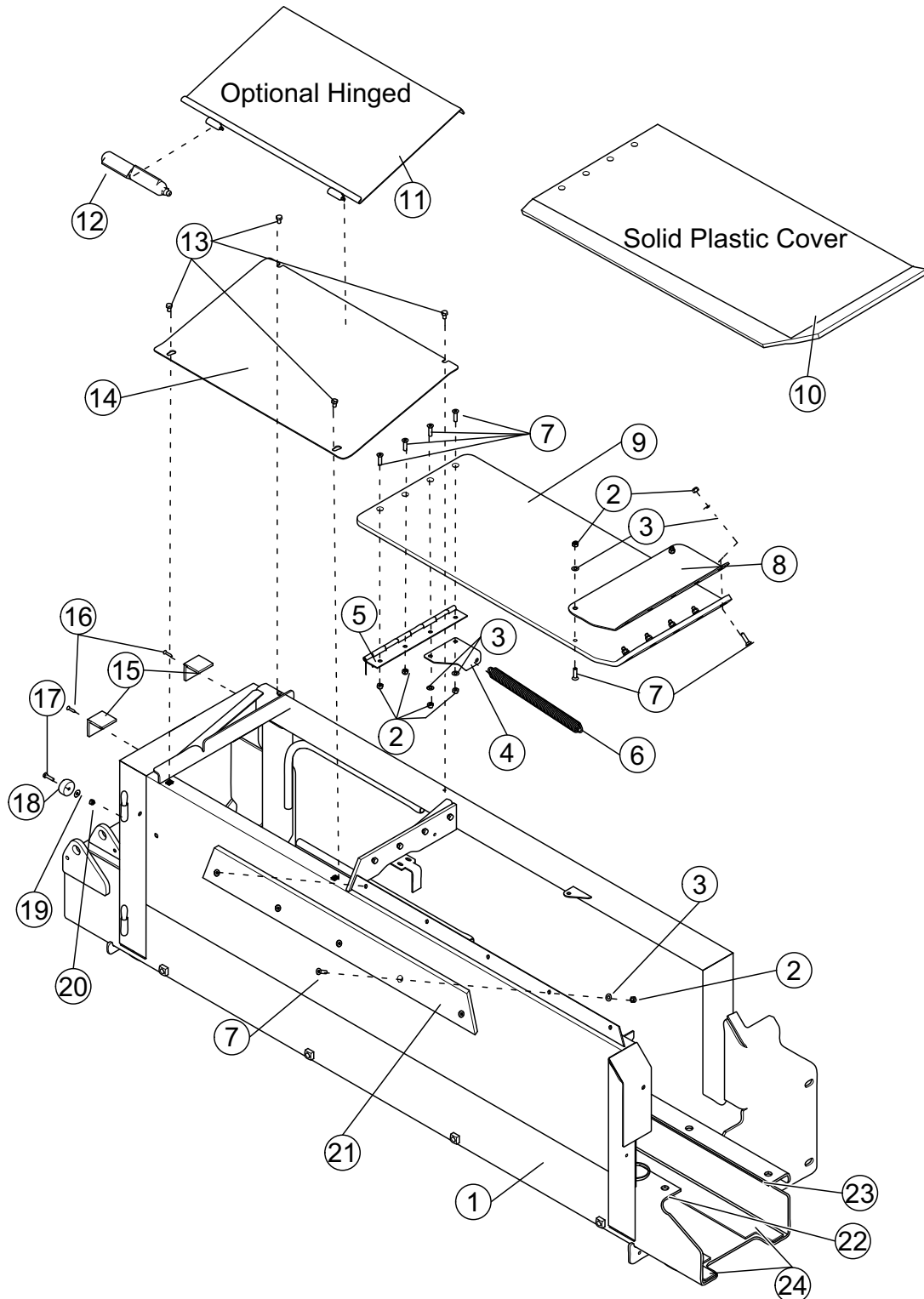


90026 English

SECTION 1

ARM BASE ASSY. (Std. Helping Hand)

Ref.



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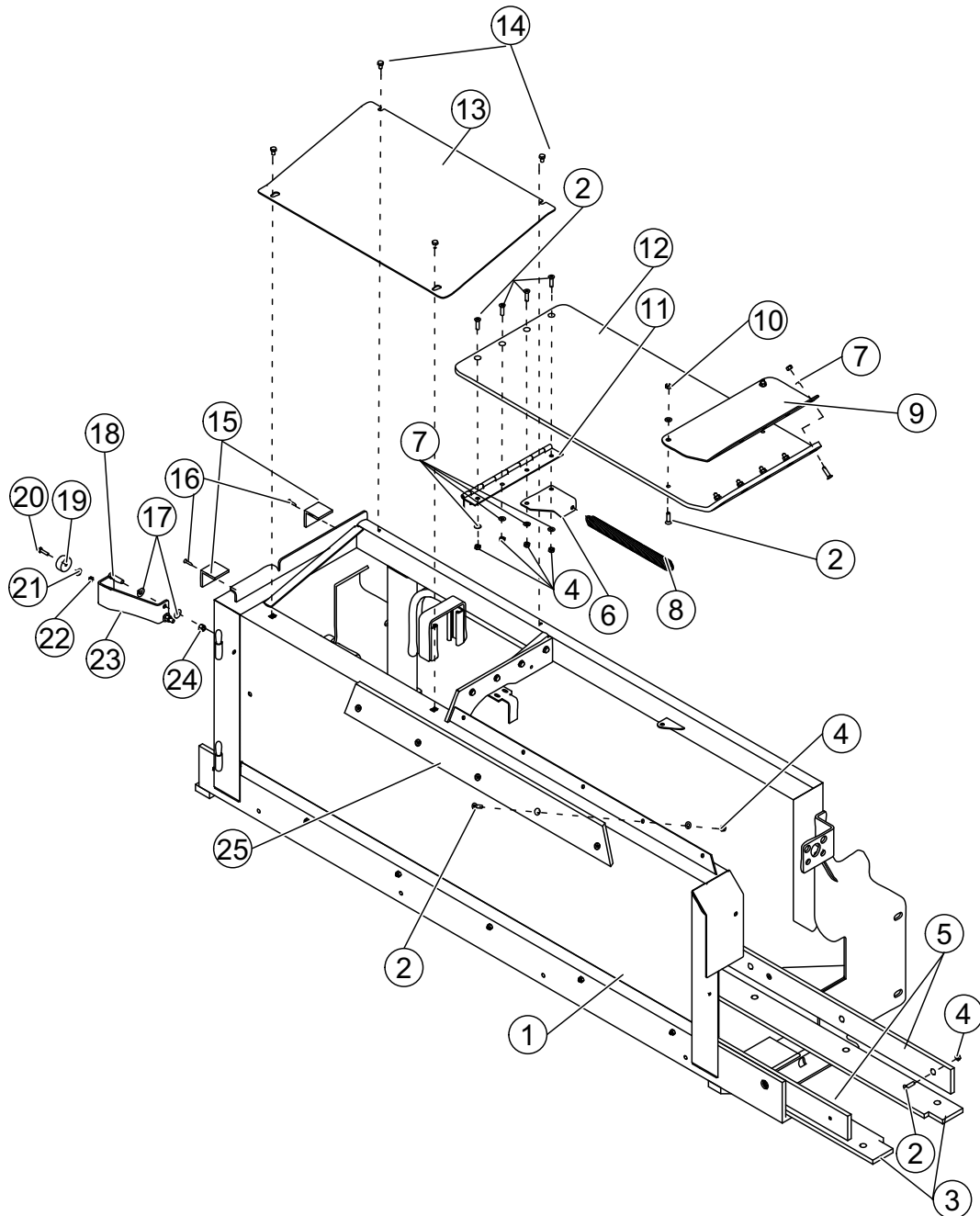
ARM BASE ASSY. (Std. Helping Hand)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	64562	FRAME (BCB00500-03/BCB00550-03)	1
	67816	FRAME (BCB00500-04, -07)	1
	80525	FRAME (BCB00501-03, -04)	1
	155706	FRAME (BCB00501-05, -06, -07 -08/ BCB00515-06, -07, 08, -10)	1
	81172	FRAME (BCB00504, -01)	1
	155744	FRAME (BCB00504-02/ BCB00511, -01, 02, -03/BCB00525-01, -02, -03, 05)	1
	88201	FRAME (BCB00507)	1
	88481	FRAME (BCB00508, 01, -02/BCB00509/BCB00518-01, -02/ BCB00519, -01/BCB00521/BCB00522, -01/BCB00530)	1
	81926	FRAME (BCB00505)	1
	77504	FRAME (BCB00501, 01, -02)	1
2	QUE01200	NUT	16
3	QUR01800	WASHER	14
4	64581	BRACKET, Spring	1
5	64587	HINGE	1
6	67902	SPRING	1
7	QUB02917	CAPSCREW, Flat Head	16
8	91531	PLATE, Reinforcement	1
9	91530	LID, Plastic (Used With Reinforced Plate)	1
	143034	ASSY., Lid (Includes Items 8 & 9 Asembled)	1
10	64580	LID, Plastic (Used on BCB00500-03/BCB00550-03)	1
11	64579	COVER (Hinged Option)	1
12	QUP01905	ASSY, Hinge Pin (Replacement Used With Item #11)	As Reqd.
13	QUB02600	CAPSCREW	4
14	77510	COVER	1
15	64585	STOP, Plastic	2
16	QUV03132	CAPSCREW	2
17	QUB02100	CAPSCREW	1
18	QUB01300	BUMPER, Rubber	1
19	QUR01705	WASHER	1
20	QUE01100	NUT	1
21	64582	SUPPORT, Plastic	1
22	64522	BAR, Wear (Welded to Frame Channel)	1
23	64521	BAR, Wear (Welded to Frame Channel)	1
24	64513	BAR, Wear (Welded to Frame Channel)	2

SECTION 1

ARM BASE ASSY. (Long Reach Helping Hand)

Ref.



Ref.

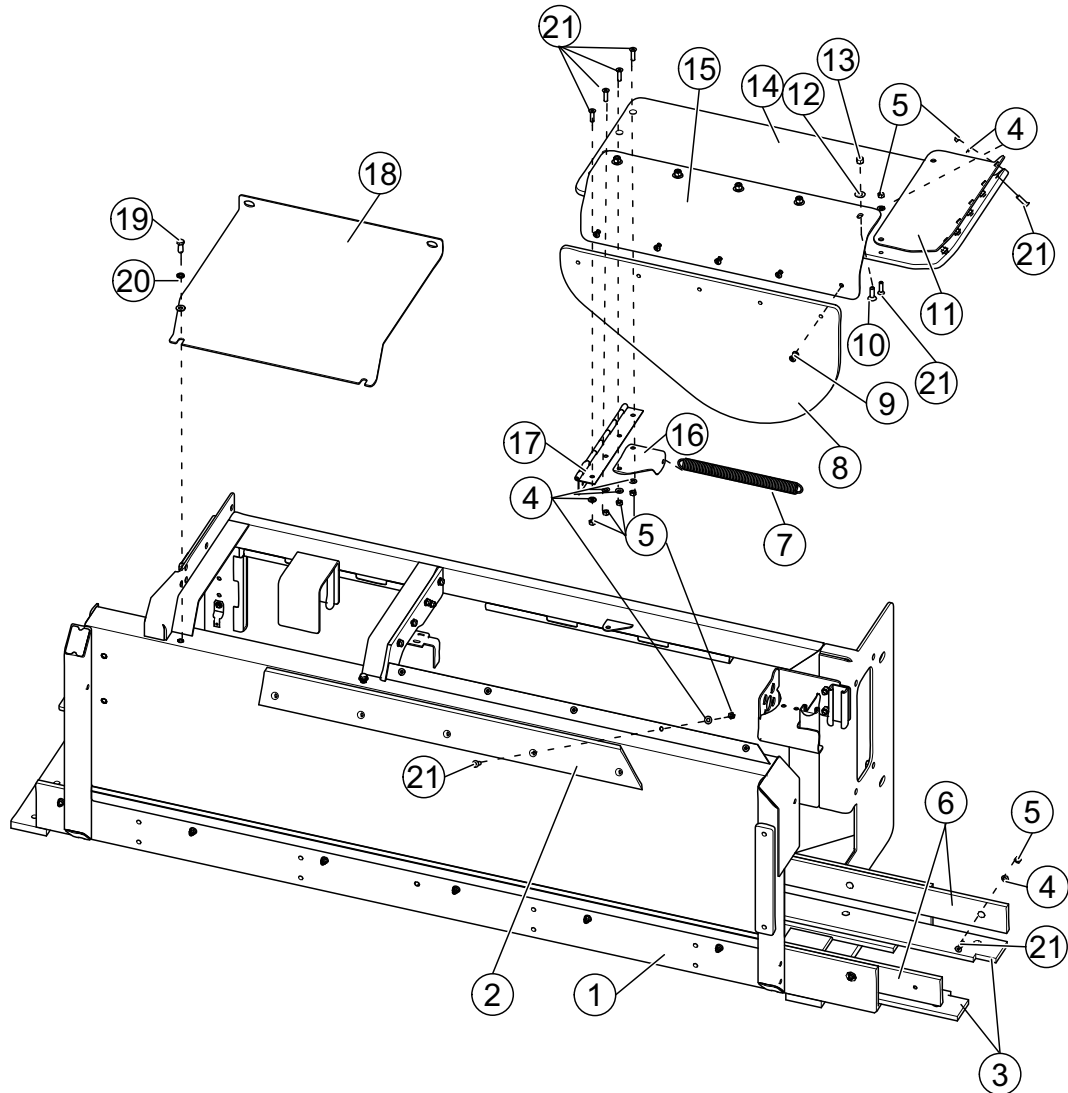
ARM BASE ASSY. (Long Reach Helping Hand)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	85827	FRAME (BCB00700-01/BCB00706-00, -01)	1
	83687	FRAME (BCB00707, -01)	1
	154027	FRAME (BCB00700-02, -04, -05, -06, -07/BCB00702-05, -06, -07, -09)	1
2	QUB02917	CAPSRCEW	40
3	143057	BAR, Wear (Plastic)	2
4	QUE01200	NUT	41
5	143056	BAR, Wear (Plastic)	2
6	64581	BRACKET, Spring	1
7	QUR01800	WASHER	13
8	67902	SPRING	1
9	91531	PLATE, Reinforcement	1
10	QUE01205	NUT	7
11	64579	HINGE	1
12	91530	LID, Plastic (Used With Reinforced Plate)	1
	143034	ASSY., Lid (Includes Items 9 & 12 Assembled)	1
13	77510	COVER	1
14	QUB02600	CAPSCREW	4
15	64585	STOP, Plastic	2
16	QUV03132	CAPSCREW	2
17	QUR01900	WASHER	4
18	QUB03600	CAPSCREW	1
19	QUB01300	BUMPER, Rubber	1
20	QUB02100	CAPSCREW	1
21	QUR01705	WASHER	1
22	QUE01100	NUT	1
23	85293	SUPPORT	1
24	QUE01300	NUT	1
25	64582	SUPPORT, Plastic	1

SECTION 1

ARM BASE ASSY. (Long Reach Helping Hand on Automizer Unit)

Ref.bcb00735-01



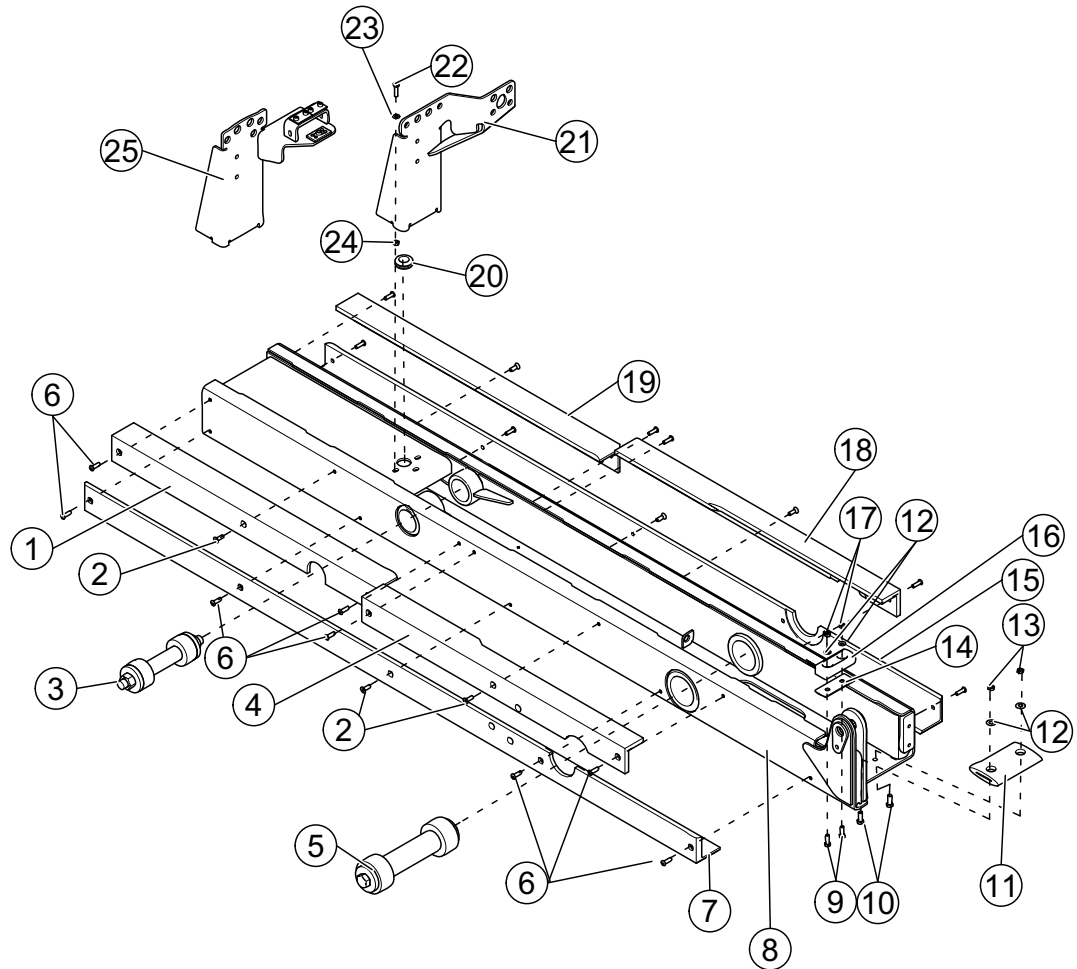
ARM BASE ASSY. (Long Reach Helping Hand on Automizer Unit)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	189273	FRAME (BCB00735-01)	1
2	64582	SUPPORT, Plastic	1
3	143057	BAR, Wear (Plastic)	2
4	QUR01800	WASHER	27
5	QUE01205	NUT	37
6	143056	BAR, Wear (Plastic)	2
7	67902	SPRING	1
8	194778	DEFLECTOR	1
9	QUV00950	FASTENER	5
10	QUB05605	CAPSCREW, Flat Head	5
11	91531	PLATE, Reinforcement	1
12	QUR01901	WASHER	5
13	QUE01302	NUT	5
14	91530	LID, Plastic (Used With Reinforced Plate)	1
	189499	ASSY., Lid (Includes Items 8, 11, 14 & 15, Assembled)	1
15	194779	SUPPORT	1
16	64581	BRACKET, Spring	1
17	64587	HINGE	1
18	189386	COVER	1
19	QUB03401	CAPSCREW	4
20	QUR01274	WASHER	4
21	QUB02917	CAPSCREW, Flat Head	25

SECTION 1

ARM SLIDE ASSEMBLY (All Models)

Ref.



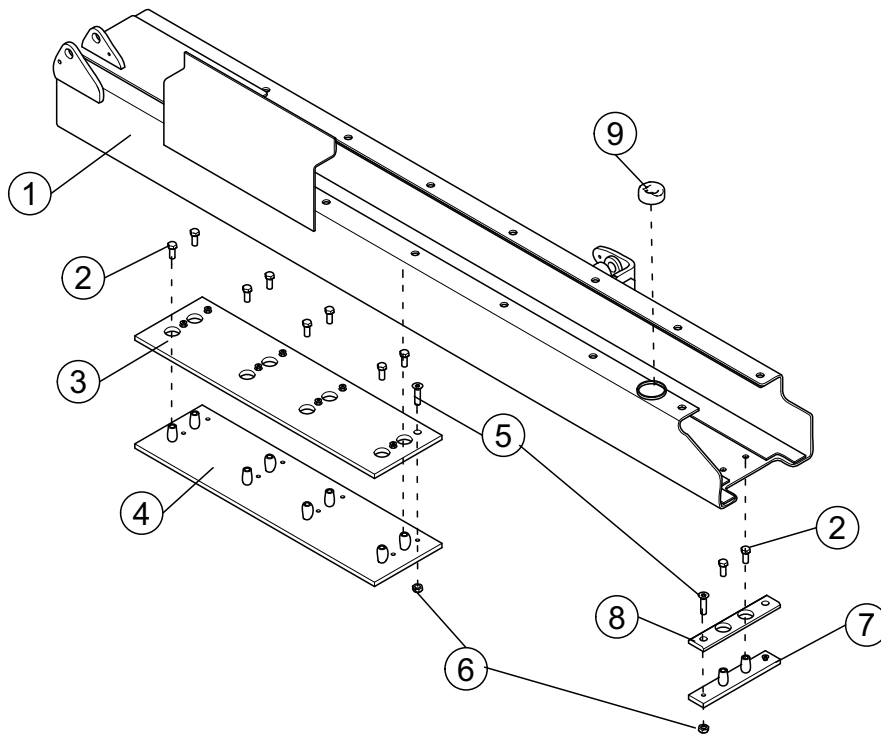
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ARM SLIDE ASSEMBLY (All Models)

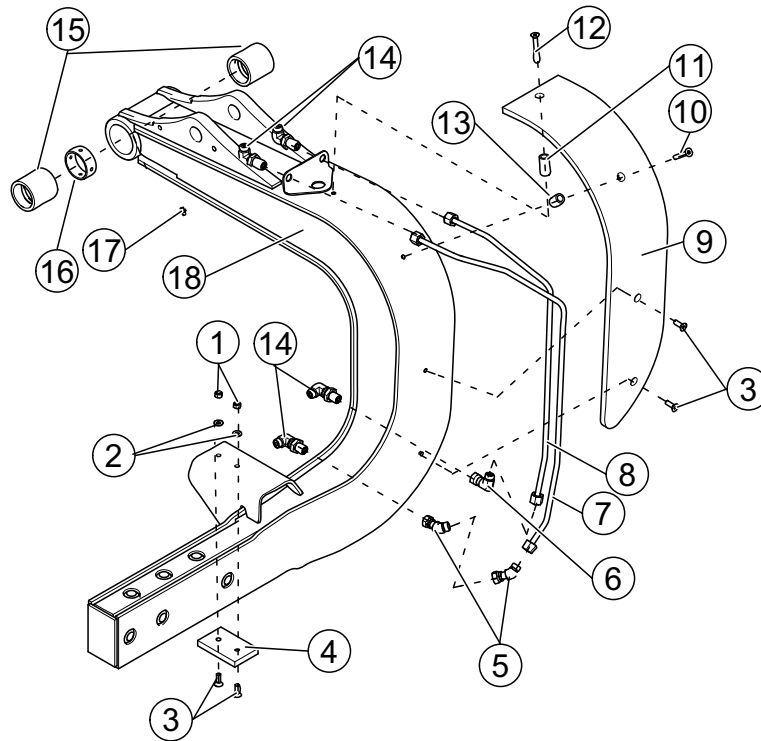
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	64549	SLIDE (Plastic)	1
2	QUB05504	CAPSCREW, Flat Head	6
3	QUB07510	ASSY., Shaft & Locking Hubs (Lift Cyl. Case End)	1
4	64550	SLIDE (Plastic)	1
5	QUB07500	ASSY., Shaft & Locking Hubs (Lift Arm Pivot)	1
6	QUV02607	CAPSCREW (Round Head Allen)	16
7	64551	SLIDE (Plastic)	1
8	64525	RAIL, Slide	1
9	QUB02802	CAPSCREW	2
10	QUB03401	CAPSCREW	2
11	QUC00055	BUMPER, Radial Rubber	1
12	QUR01900	WASHER	4
13	QUE01303	NUT	2
14	89606	SHIM, .109" Thickness	As Reqd.
15	64539	SLIDE (Plastic)	1
16	QUC00030	BUMPER, Rubber	1
17	QUE01225	NUT	2
18	64541	SLIDE (Plastic)	1
19	64540	SLIDE (Plastic)	1
20	QUG02210	GROMMET	1
21	64528	BRACKET, Hose Connection (Bulkhead Style)	1
22	QUB02900	CAPSCREW	3
23	QUR01800	WASHER	3
24	QUE01200	NUT	3
25	155712	BRACKET, Hose Connection (Bulkhead & Clamp Style)	1
	85290	SHIM .040" (Used on Shoes 64540, 64541, 64549 & 64550)	As Reqd.
	85289	SHIM .064" (Used on Shoes 64540, 64541, 64549 & 64550)	As Reqd.

SECTION 1**FRAME, Middle Slide** (Long Reach - All Models)

Ref.



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	143051	FRAME	1
2	QUB04414	CAPSCREW	10
3	143107	PLATE, Wear	1
4	143055	ASSY., Plate	1
5	QUB02917	CAPSCREW, Flat Head	10
6	QUE01185	NUT	10
7	143062	ASSY., Plate	1
8	143108	PLATE, Wear	1
9	147372	BUMPER, Rubber - Machined	1

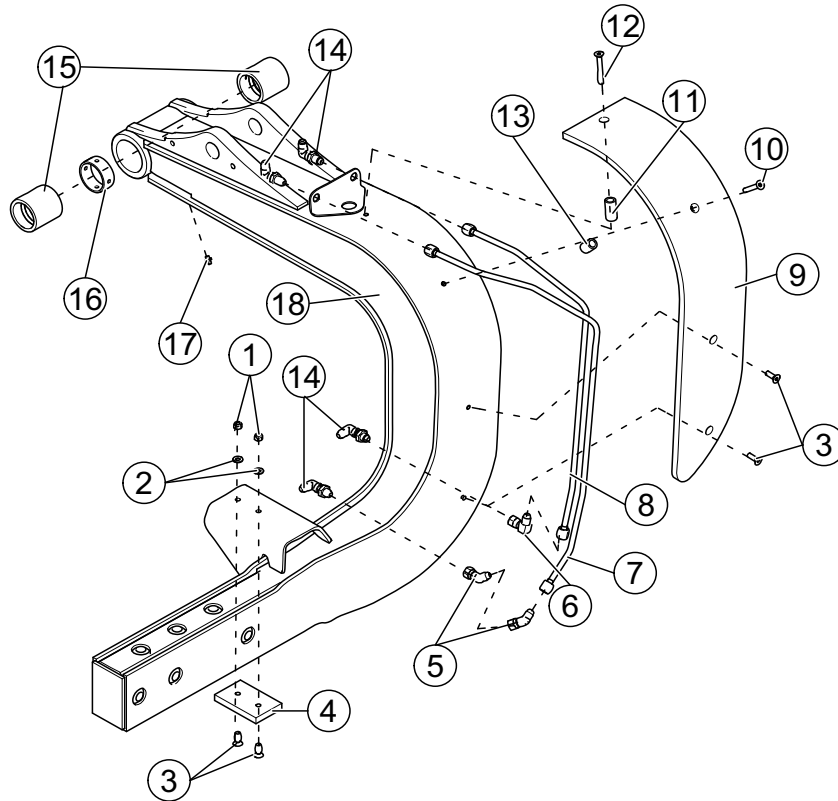
LIFT ARM ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUE01205	NUT	2
2	QUR01800	WASHER	2
3	QUB02757	CAPSCREW, Flat Head	4
4	64594	BUMPER, Plastic	1
5	HYF07841	ELBOW, 45° (Swivel Nut)	2
6	HYF07415	ELBOW, 90° (Swivel Nut)	1
7	88259	TUBE	1
8	88260	TUBE	1
9	81160	GUARD, Plastic	1
10	QUB03110	CAPSCREW, Flat Head	1
11	64590	SPACER	1
12	QUB03218	CAPSCREW, Flat Head	1
13	81156	SPACER	1
14	HYF06791	ELBOW, 90° (Bulkhead)	4
15	219861	BUSHING (Included in Item18)	2
16	67826	SPACER, Bushing (Included in Item18)	1
17	QUG00500	FITTING, Grease (Straight, .25-28NFT)	1
18	157973	ASSY., Lift Arm (Includes Items 15 & 16)	1

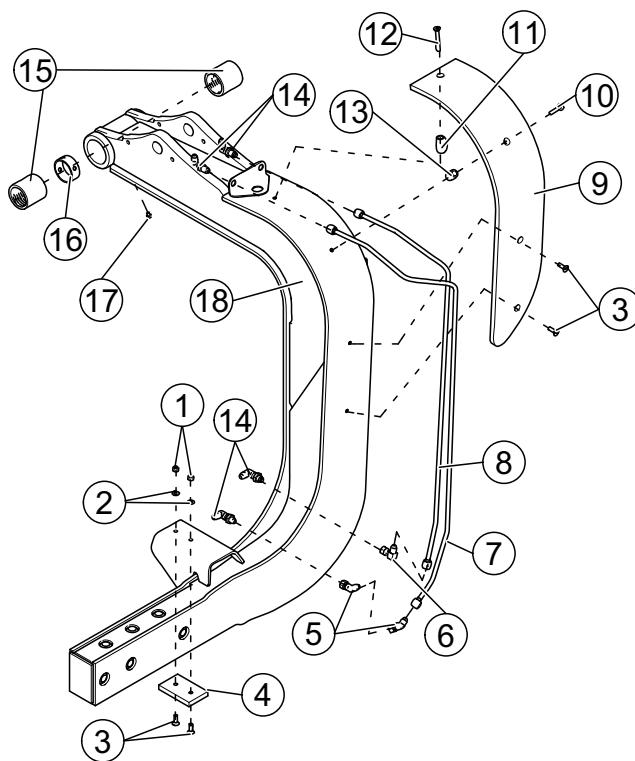
SECTION 1

LIFT ARM ASSEMBLY

Ref.64542-04



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUE01205	NUT	2
2	QUR01800	WASHER	2
3	QUB02757	CAPSCREW, Flat Head	4
4	64594	BUMPER, Plastic	1
5	HYF07840	ELBOW, 45° (Swivel Nut)	2
6	HYF07950	ELBOW, 90° (Swivel Nut)	1
7	81158	TUBE	1
8	81159	TUBE	1
9	81160	GUARD, Plastic	1
10	QUB03110	CAPSCREW, Flat Head	1
11	64590	SPACER	1
12	QUB03218	CAPSCREW, Flat Head	1
13	81156	SPACER	1
14	HYF06790	ELBOW, 90° (Bulkhead)	4
15	219861	BUSHING (Included in Item18)	2
16	67826	SPACER, Bushing (Included in Item18)	1
17	QUG00500	FITTING, Grease (Straight, .25-28NFT)	1
18	157973	ASSY., Lift Arm (Includes Items 15 & 16)	1

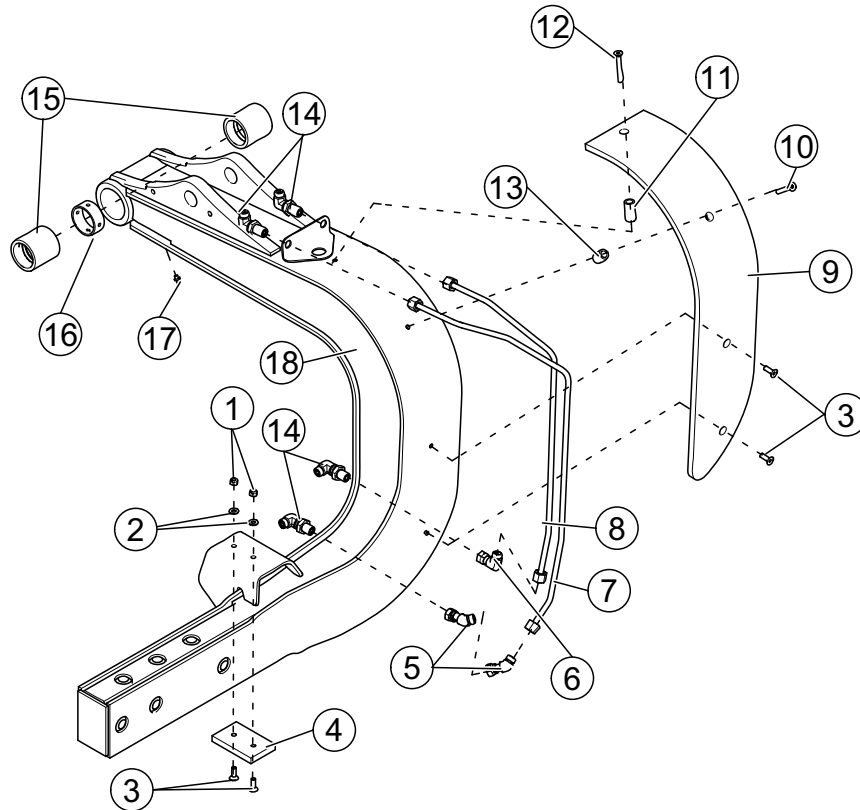
LIFT ARM ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUE01205	NUT	2
2	QUR01800	WASHER	2
3	QUB02757	CAPSCREW, Flat Head	4
4	64594	BUMPER, Plastic	1
5	HYF07840	ELBOW, 45° (Swivel Nut)	2
6	HYF07950	ELBOW, 90° (Swivel Nut)	1
7	167869	TUBE	1
8	167868	TUBE	1
9	81160	GUARD, Plastic	1
10	QUB03110	CAPSCREW, Flat Head	1
11	64590	SPACER	1
12	QUB03218	CAPSCREW, Flat Head	1
13	81156	SPACER	1
14	HYF06790	ELBOW, 90° (Bulkhead)	4
15	219861	BUSHING (Included in Item 18)	2
16	67826	SPACER, Bushing (Included in Item 18)	1
17	QUG00500	FITTING, Grease (Straight, .25-28NFT)	1
18	180633	ASSY., Lift Arm (Includes Items 15 & 16)	1

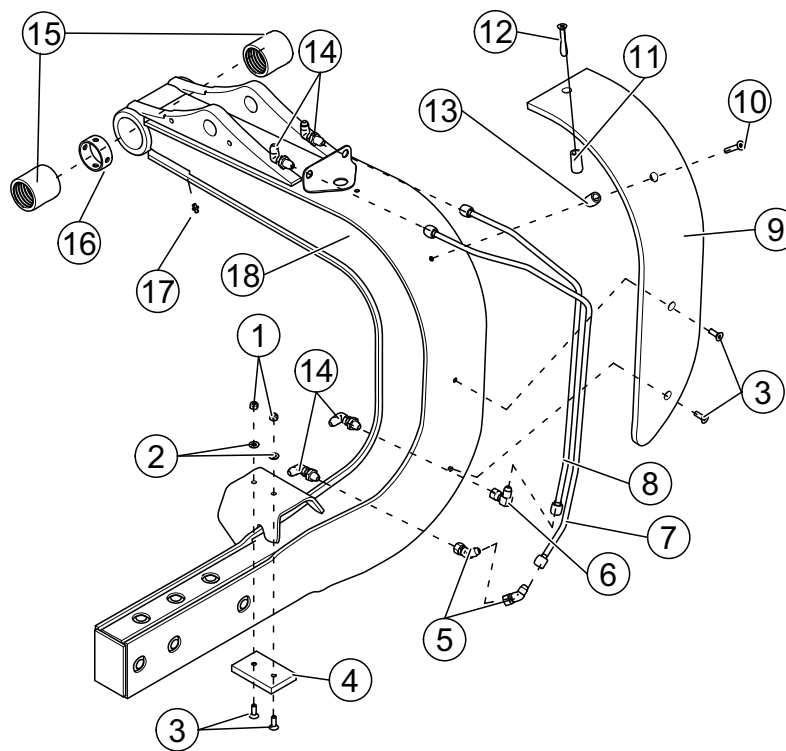
SECTION 1

LIFT ARM ASSEMBLY

Ref.171556



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUE01205	NUT	2
2	QUR01800	WASHER	2
3	QUB02757	CAPSCREW, Flat Head	4
4	64594	BUMPER, Plastic	1
5	HYF07841	ELBOW, 45° (Swivel Nut)	2
6	HYF07415	ELBOW, 90° (Swivel Nut)	1
7	88259	TUBE	1
8	88260	TUBE	1
9	81160	GUARD, Plastic	1
10	QUB03110	CAPSCREW, Flat Head	1
11	64590	SPACER	1
12	QUB03218	CAPSCREW, Flat Head	1
13	81156	SPACER	1
14	HYF06791	ELBOW, 90° (Bulkhead)	4
15	219861	BUSHING (Included in Item18)	2
16	67826	SPACER, Bushing (Included in Item18)	1
17	QUG00500	FITTING, Grease (Straight, .25-28NFT)	1
18	174184	ASSY., Lift Arm (Includes Items 15 & 16)	1

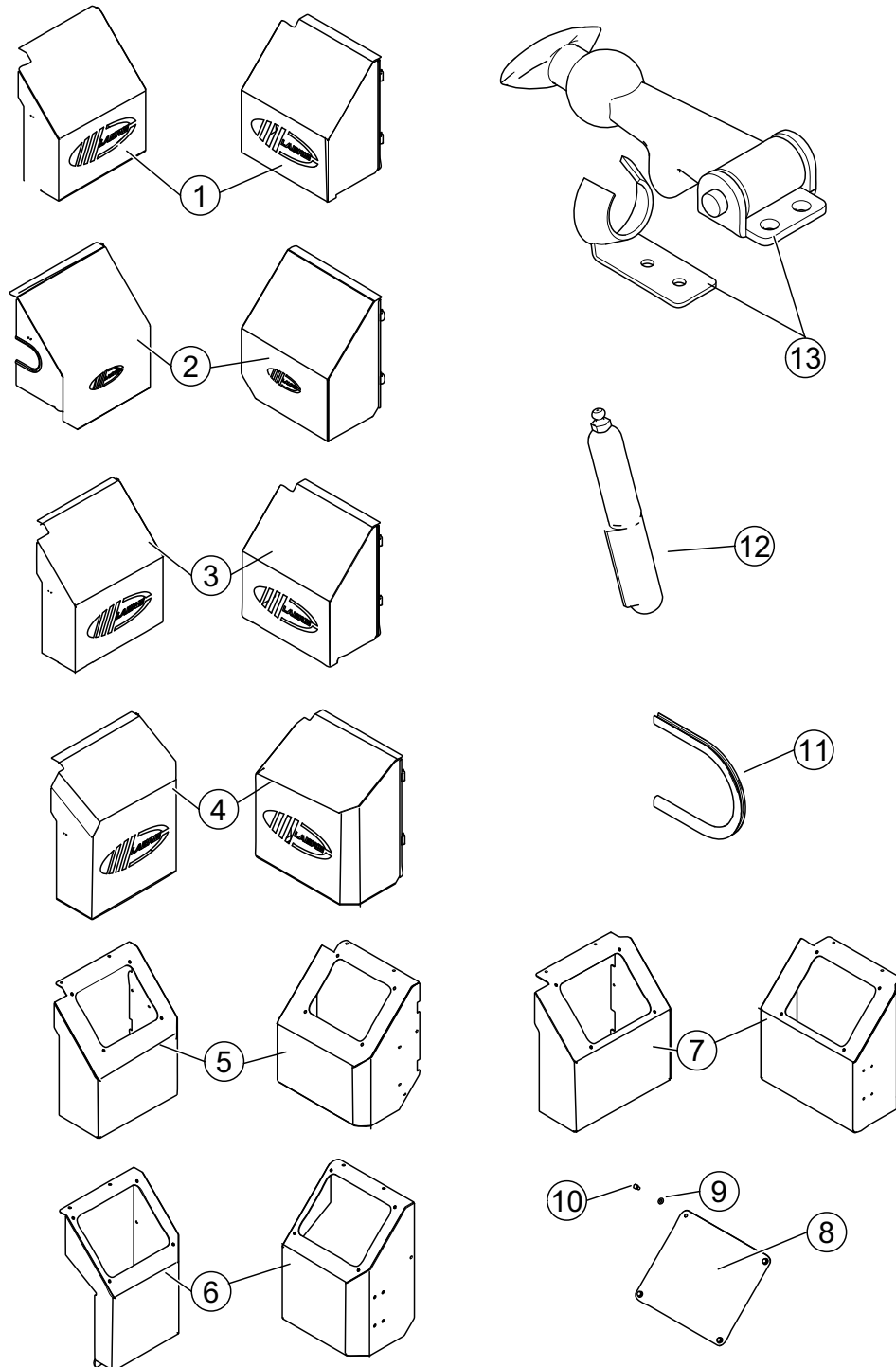
LIFT ARM ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUE01205	NUT	2
2	QUR01800	WASHER	2
3	QUB02757	CAPSCREW, Flat Head	4
4	64594	BUMPER, Plastic	1
5	HYF07840	ELBOW, 45° (Swivel Nut)	2
6	HYF07950	ELBOW, 90° (Swivel Nut)	1
7	81158	TUBE	1
8	81159	TUBE	1
9	81160	GUARD, Plastic	1
10	QUB03110	CAPSCREW, Flat Head	1
11	64590	SPACER	1
12	QUB03218	CAPSCREW, Flat Head	1
13	81156	SPACER	1
14	HYF06790	ELBOW, 90° (Bulkhead)	4
15	219861	BUSHING (Included in Item18)	2
16	67826	SPACER, Bushing (Included in Item18)	1
17	QUG00500	FITTING, Grease (Straight, .25-28NFT)	1
18	163043	ASSY., Lift Arm (Includes Items 15 & 16)	1

SECTION 1

VALVE COVERS - Arm

Ref.



Ref.

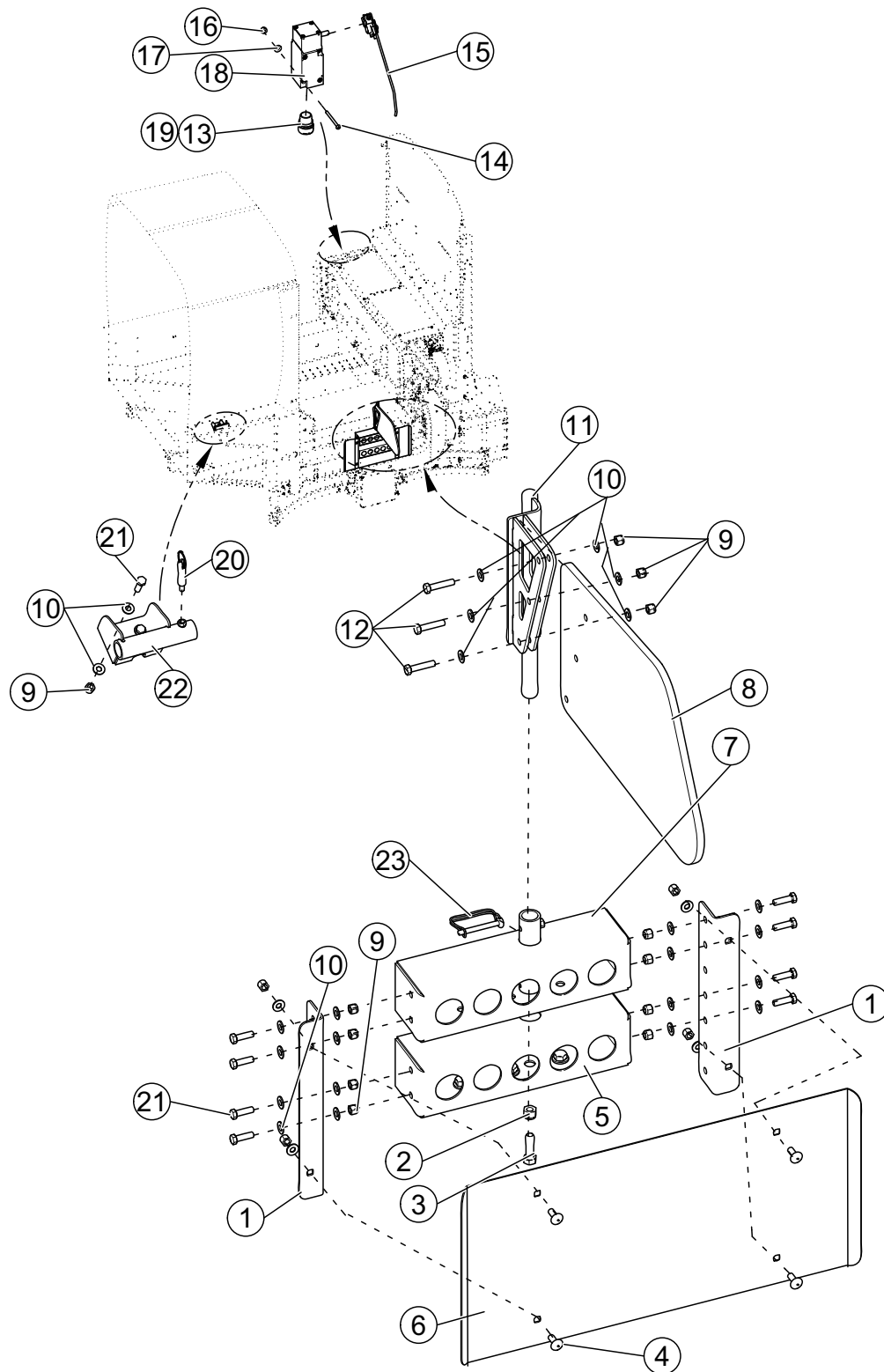
VALVE COVERS - Arm

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	77500	COVER, Valve (Std. Helping Hand)	1
2	64584	COVER, Valve (Std. Helping Hand)	1
3	143071	COVER, Valve (Long Reach Helping Hand)	1
4	158646	COVER, Valve (Long Reach Helping Hand)	1
5	88899	COVER, Valve (Dual Helping Hand)	1
6	210254	COVER, Valve (Dual Helping Hand)	1
7	210256	COVER, Valve (Dual Helping Hand)	1
8	83288	PLATE, Cover (Dual Helping Hand)	1
9	QUR01902	WASHER	4
10	QUB03360	CAPSCREW	4
11	QUC02000	EDGING, Vinyl	Sold Per Foot
12	QUP01905	ASSY, Hinge Pin (Complete)	As Reqd.
13	QUP01450	ASSY., Hold Down (Rubber)	As Reqd.

SECTION 1

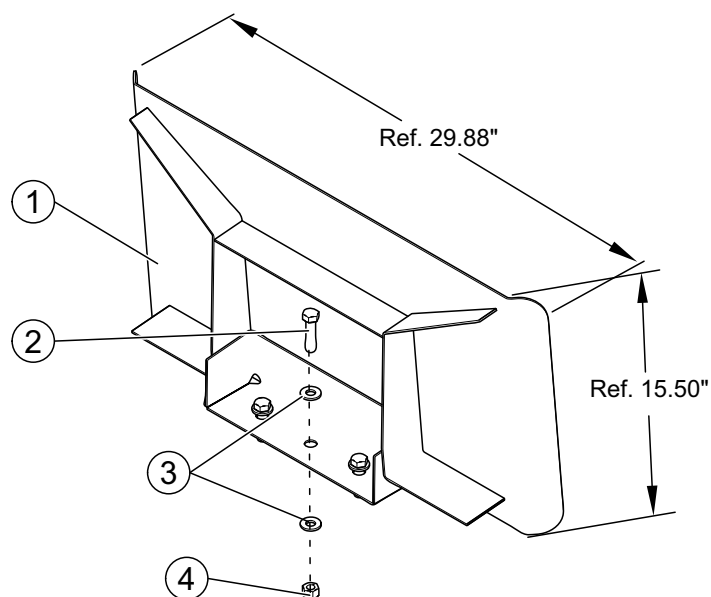
SPLIT CART DEFLECTOR & DIVIDER

Ref.841409

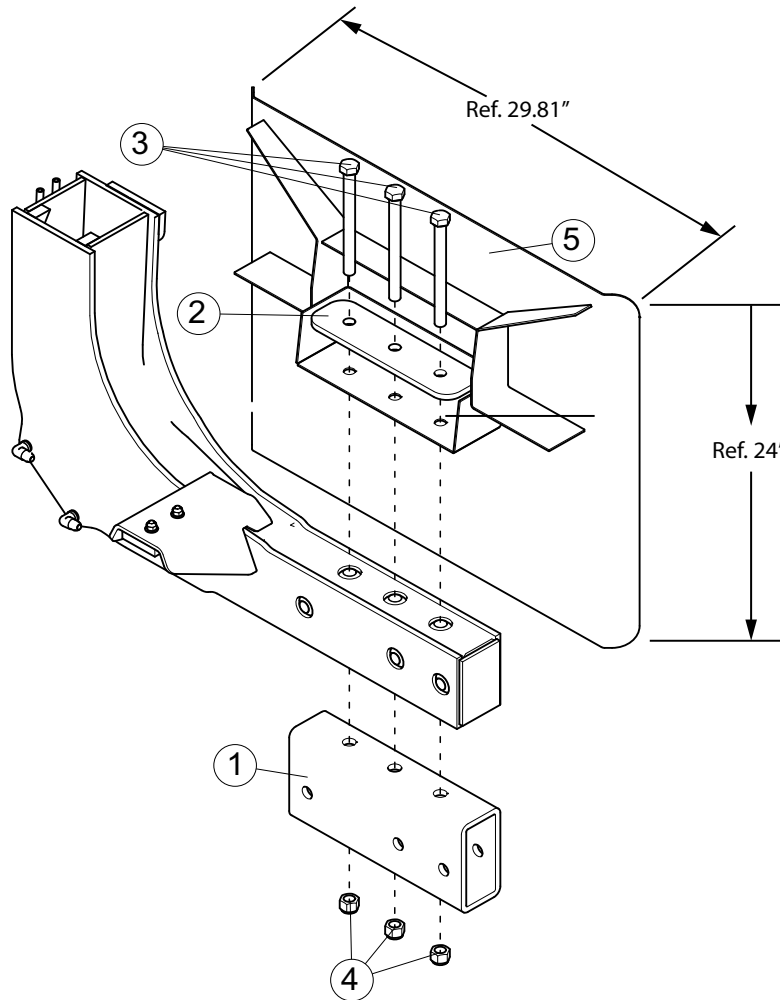


SPLIT CART DEFLECTOR & DIVIDER

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	163624	BRACKET	2
2	QUE01500	NUT	1
3	QUB04601	CAPSCREW	1
4	QUB11935	BOLT, Carriage	4
5	163622	SUPPORT	1
6	163625	DEFLECTOR	1
7	163623	ASSY., Support	1
8	163626	DIVIDER	1
9	QUE01302	NUT	17
10	QUR01902	WASHER	25
11	163712	SUPPORT, Divider	1
12	QUB03730	CAPSCREW	3
13	74057	HARNESS (Not Shown Used for Arm Fully Retracted Switch)	1
14	QUV00765	CAPSCREW, Round Head	2
15	25292	ASSY., Actuator	1
16	QUE01070	NUT	2
17	QUR01600	WASHER	2
18	ELI00550-01	SWITCH, Limit	1
19	ELC00140	CONNECTOR, Cable	1
20	QUP10000	PLUNGER PIN	1
21	QUB03501	CAPSCREW	10
22	163627	BRACKET, Storage	1
23	QUP02408	PIN, Locking	1

SECTION 1**DEFLECTOR**Ref. 875546,
187645

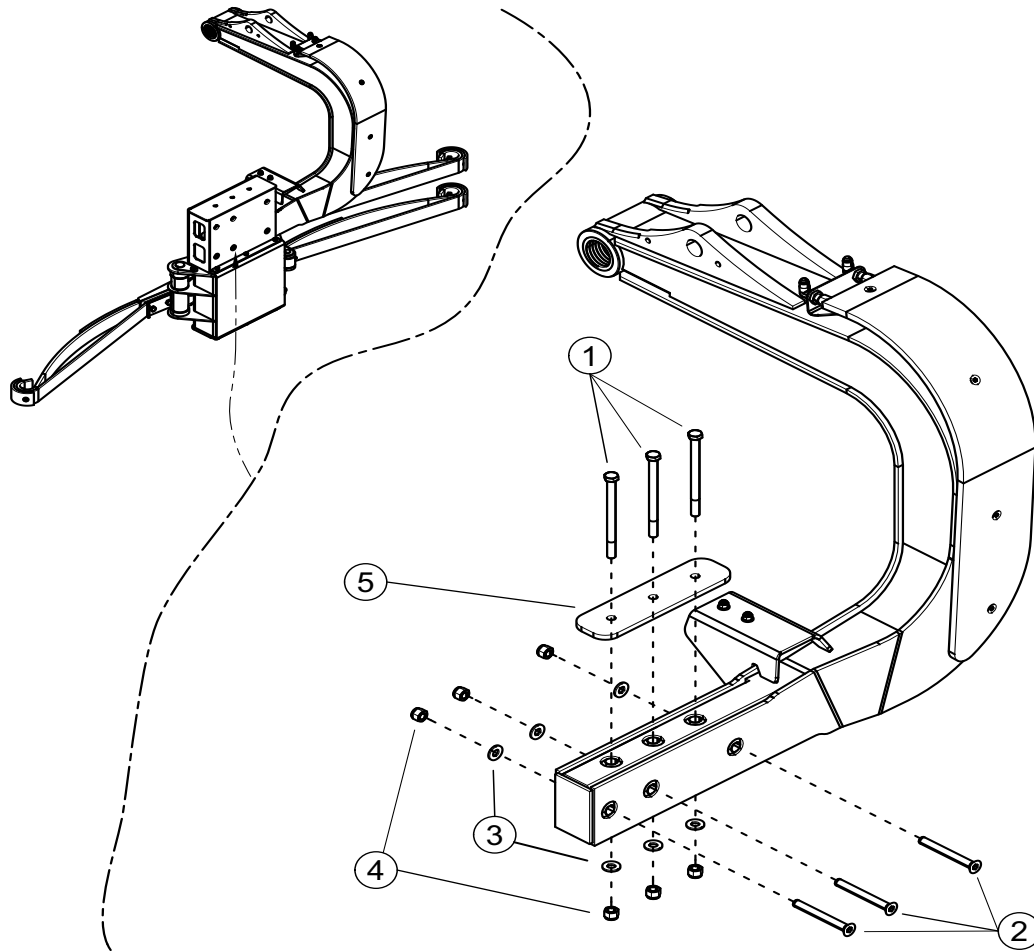
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	187645	DEFLECTOR	1
2	QUB06250	CAPSCREW	3
3	QUR01912	WASHER	6
4	QUE01500	NUT	3

DEFLECTOR - Automizer Helping Hand

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	189364	SUPPORT	1
2	180456	PLATE	1
3	QUB05106	CAPSCREW	3
4	QUE01710	NUT	3
5	187650	DEFLECTOR	1

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GRABBER MOUNTING - Helping Hand

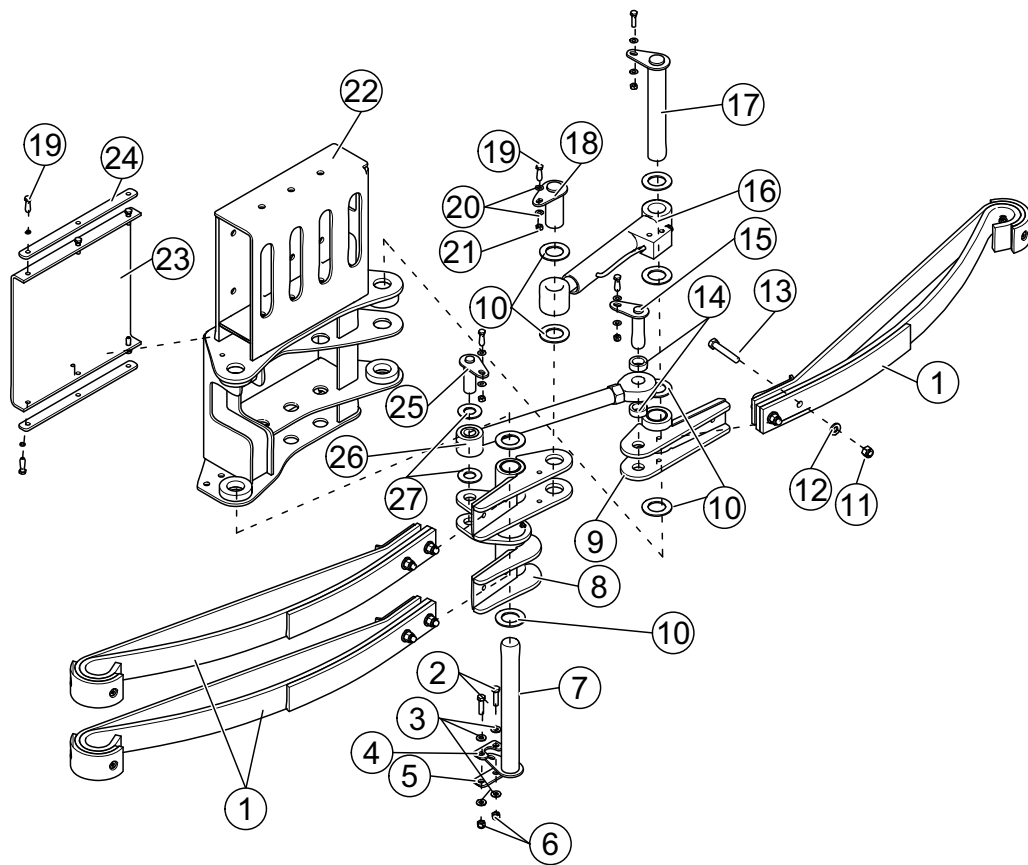


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB04961	CAPSCREW	3
2	QUV02758	CAPSCREW	3
3	QUR01912	WASHER	6
4	QUE01500	NUT	6
5	64619	SHIM, Grabber	1

SECTION 2

GRABBER ASSEMBLY

Ref. 189359



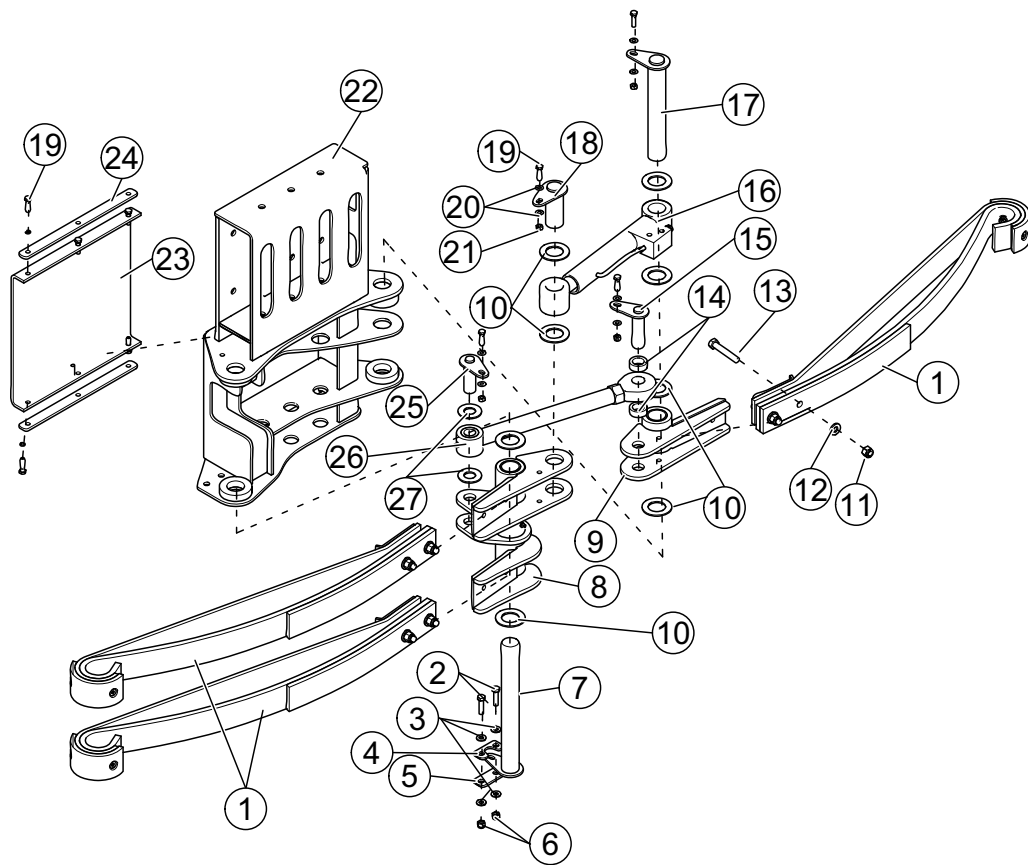
GRABBER ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	165519	ASSY., Finger (See Page 35 for Components)	3
2	QUB03501	CAPSCREW	2
3	QUR01902	WASHER	2
4	64694	RETAINER	1
5	64645	PLATE	1
6	QUE01302	NUT	2
7	201187	PIN, Dual Pivot	1
8	64610	ASSY., Dual Pivot (See Page 37 for Components)	1
9	64611	ASSY., Single Pivot (See Page 36 for Components)	1
10	QUB00459	THRUST BEARING	8
11	QUE01500	NUT	6
12	QUR01912	WASHER	12
13	QUB04798	CAPSCREW	6
14	64601	SPACER	2
15	201190	PIN, Linkage (Tie Rod End)	1
16	HYC00235	ASSY., Cylinder (See Page 77 for Components)	1
17	201188	PIN, Cyl (Case End)	1
18	201191	PIN, Cyl. (Rod End)	1
19	QUB02901	CAPSCREW	10
20	QUE01800	WASHER	18
21	QUE01205	NUT	4
22	189360	WELDMENT, Grabber Assembly	1
23	64642	GUARD, Rubber	1
24	64643	PIN, Linkage (Non Adjustable End)	2
25	201189	ASSY., Linkage (See Page 33 for Components)	1
26	64612	SPACER	1
27	QUB00457		2

SECTION 2

GRABBER ASSEMBLY

Ref.171747



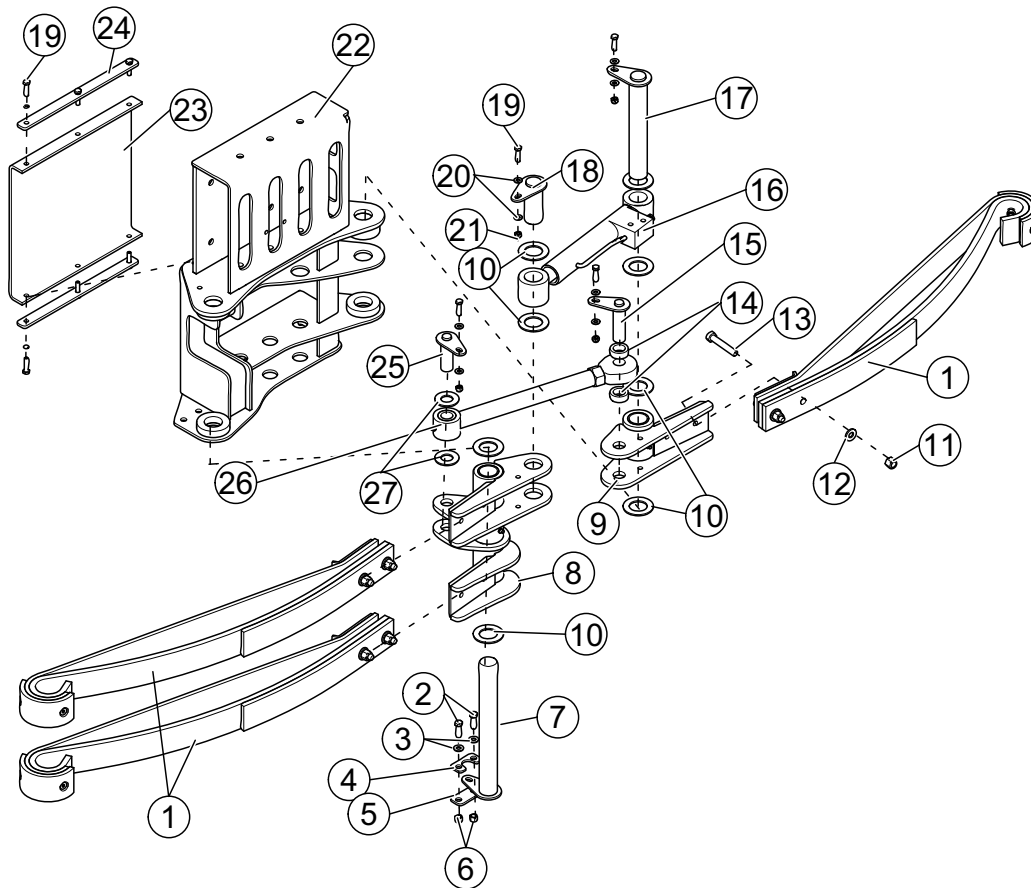
GRABBER ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	165519	ASSY., Finger (See Page 35 for Components)	3
2	QUB03501	CAPSCREW	2
3	QUR01902	WASHER	2
4	64694	RETAINER	1
5	64645	PLATE	1
6	QUE01302	NUT	2
7	201187	PIN, Dual Pivot	1
8	64610	ASSY., Dual Pivot (See Page 37 for Components)	1
9	64611	ASSY., Single Pivot (See Page 36 for Components)	1
10	QUB00459	THRUST BEARING	8
11	QUE01500	NUT	6
12	QUR01912	WASHER	12
13	QUB04748	CAPSCREW	6
14	64601	SPACER	2
15	201190	PIN, Linkage (Tie Rod End)	1
16	HYC00235	ASSY., Cylinder (See Page 77 for Components)	1
17	201188	PIN, Cyl (Case End)	1
18	201191	PIN, Cyl. (Rod End)	1
19	QUB02901	CAPSCREW	10
20	QUE01800	WASHER	18
21	QUE01205	NUT	4
22	166769	WELDMENT, Grabber Assembly	1
23	64642	BUMPER	1
24	64643	BAR	2
25	201189	PIN, Linkage (Non Adjustable End)	1
26	64612	ASSY., Linkage (See Page 33 for Components)	1
27	QUB00457	SPACER	2

SECTION 2

GRABBER ASSEMBLY

Ref.168947

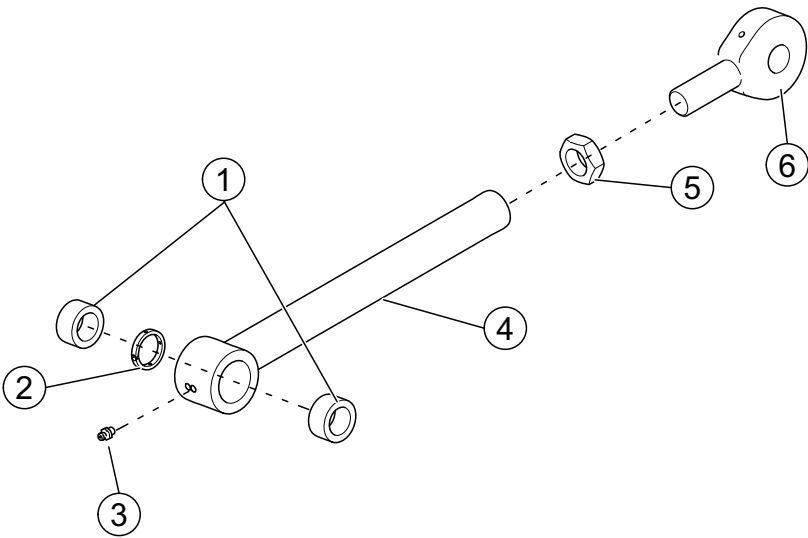


GRABBER ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	165519	ASSY., Finger (See Page 35 for Components)	3
2	QUB03501	CAPSCREW	2
3	QUR01902	WASHER	2
4	64694	RETAINER	1
5	64645	PLATE	1
6	QUE01302	NUT	2
7	201187	PIN, Dual Pivot	1
8	64610	ASSY., Dual Pivot (See Page 37 for Components)	1
9	64611	ASSY., Single Pivot (See Page 36 for Components)	1
10	QUB00459	THRUST BEARING	8
11	QUE01500	NUT	6
12	QUR01912	WASHER	12
13	QUB04798	CASPSCREW	6
14	64601	SPACER	2
15	201190	PIN, Linkage (Tie Rod End)	1
16	HYC00235	ASSY., Cylinder (See Page 77 for Components)	1
17	201188	PIN, Cyl (Case End)	1
18	201191	PIN, Cyl. (Rod End)	1
19	QUB02901	CAPSCREW	10
20	QUE01800	WASHER	18
21	QUE01205	NUT	4
22	80125	WELDMENT, Grabber Assembly	1
23	64642	BUMPER	1
24	64643	BAR	2
25	201189	PIN, Linkage (Non Adjustable End)	1
26	64612	ASSY., Linkage (See Page 33 for Components)	1
27	QUB00457	SPACER	2

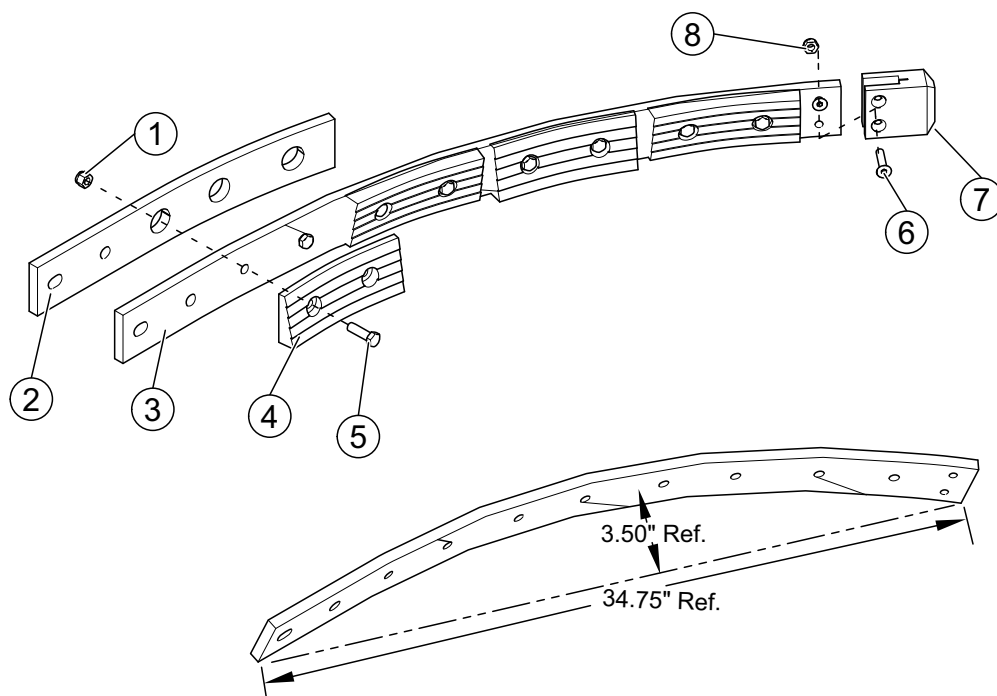
GRABBER LINK ARM

Ref.64612

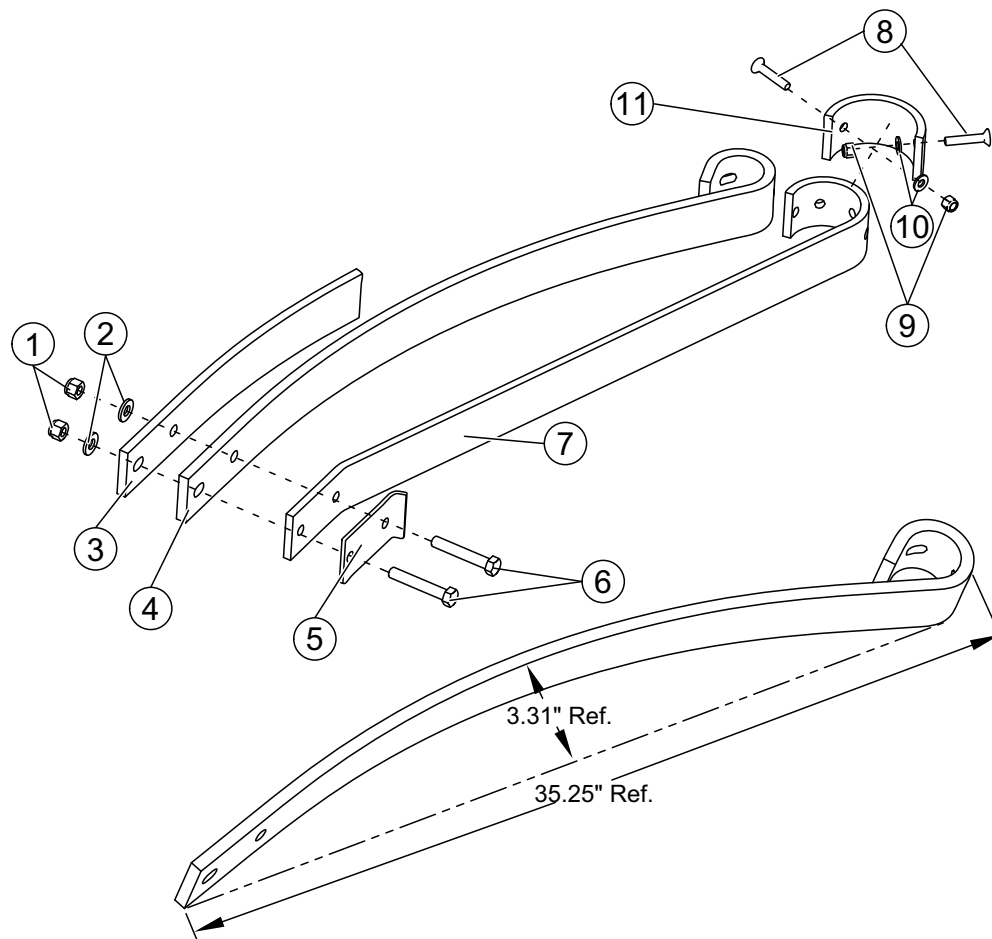


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	64544	BUSHING	2
2	67856	SPACER	1
3	QUG00500	FITTING, Grease (Straight, .25-28 NPT)	1
4	64613	ARM, Link	1
5	QUE01948	NUT	1
6	166862	ROD END	1
	64612	ASSY., Link Arm (Includes all of the above Items)	

Finger Assy. - 163060

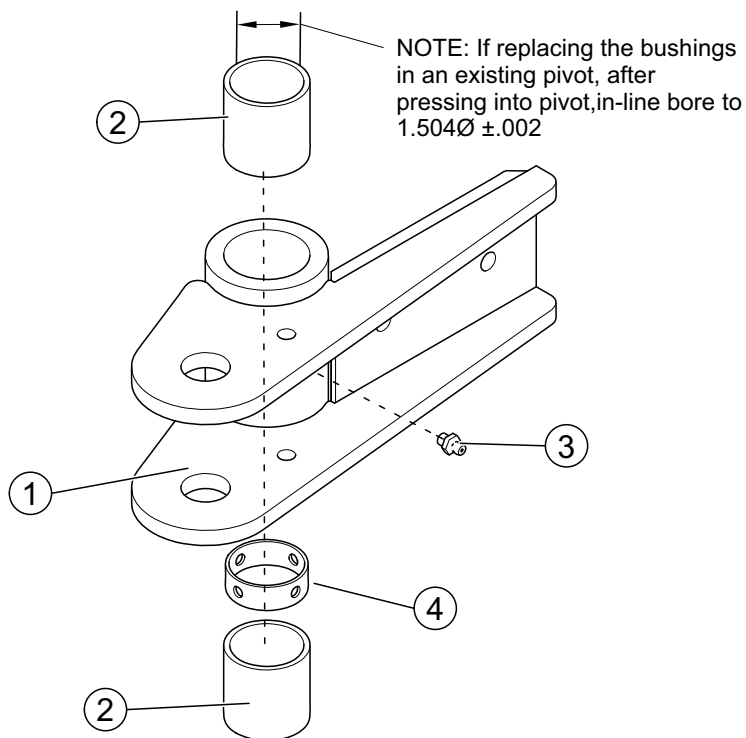


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUE01302	NUT	8
2	163062	BRACE	1
3	163061	FINGER	1
4	BCB01485	BLOCK, Rubber	4
5	QUB03501	CAPSCREW	8
6	QUB05505	CAPSCREW, Flat Head	2
7	97071	GUARD, Finger	1
8	QUE01185	NUT	2
	163060	ASSEMBLY, Finger (Includes all Items Listed Above)	

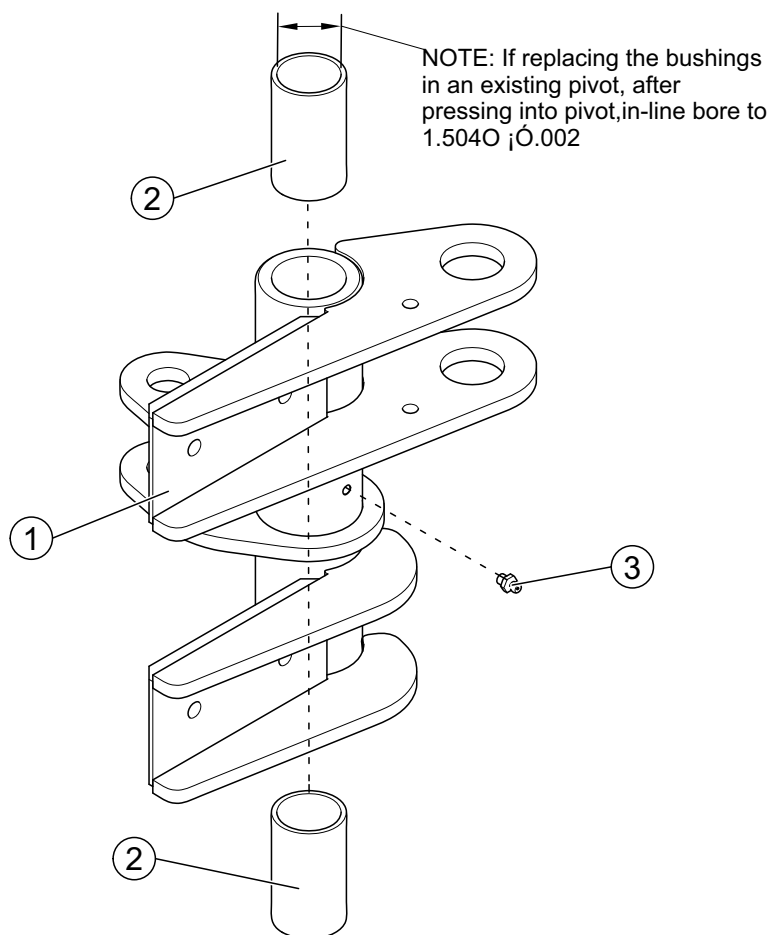
SECTION 2**Finger Assy. - 165519**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUE01500	NUT	2
2	QUR01912	WASHER	2
3	165529	BRACE	1
4	165520	FINGER	1
5	75262	RETAINER	1
6	QUB04798	CAPSCREW	2
7	165521	STRAP, Rubber	1
8	QUV02723	CAPSCREW, Flat Head	2
9	QUE01302	NUT	2
10	QUR01902	WASHER	2
11	64635	END CAP	1
	165519	ASSEMBLY, Finger (Includes all Items Listed Above)	

Single Pivot - 64611



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	64625	PIVOT, Single	1
2	219860	BUSHING (See Note)	2
3	QUG00500	FITTING, Grease	1
4	67855	SPACER	1
	64611	ASSY., Single Pivot (Includes all Items Above, and In-Line Boring)	

SECTION 2**Dual Pivot - 64610**

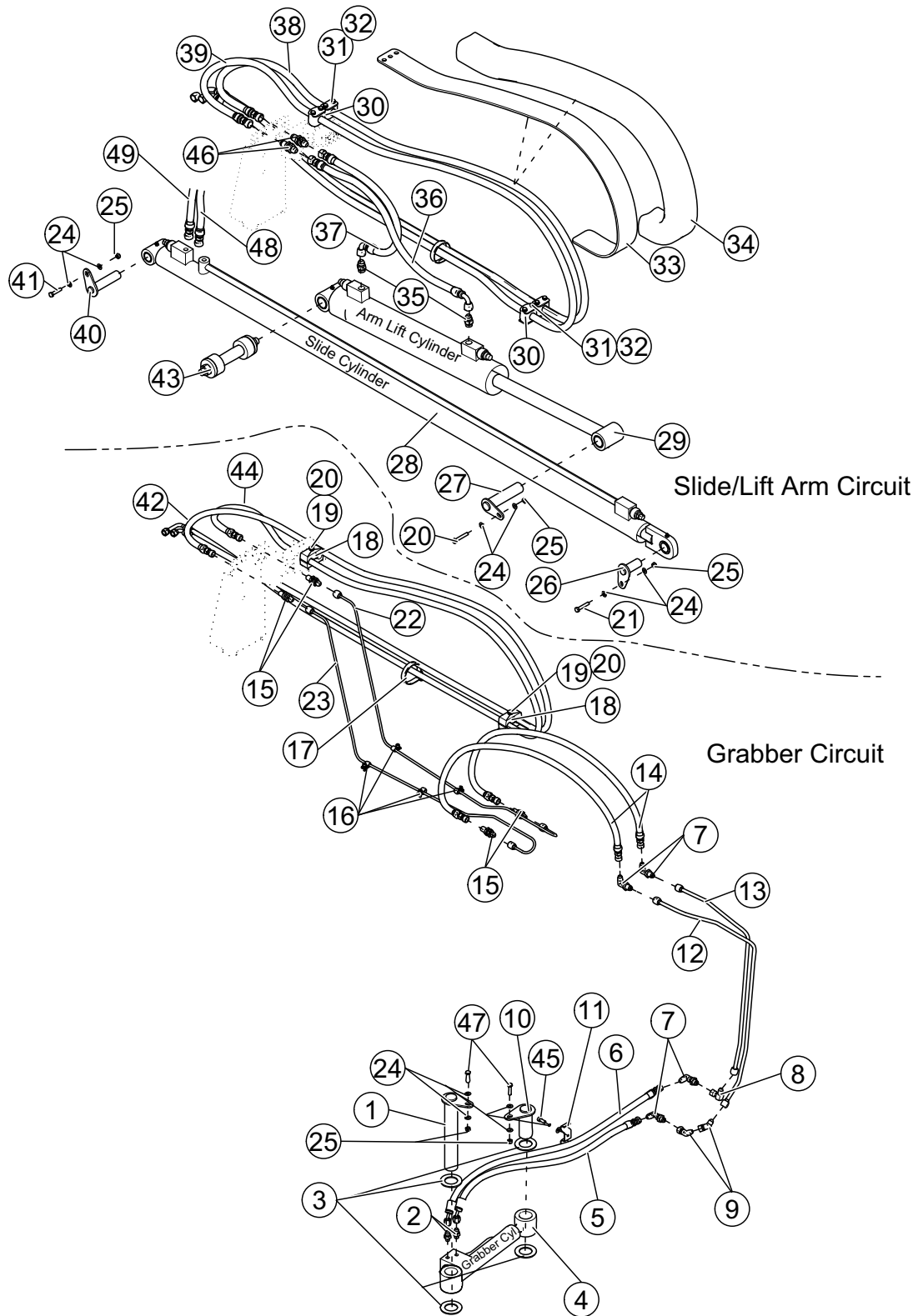
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	64626	PIVOT, Dual	1
2	219859	BUSHING (See Note)	2
3	QUG00500	FITTING, Grease	1
	64610	ASSY. Dual Pivot (Includes all Item Above, and In-Line Boring)	

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SECTION 3

Arm Hydraulics (BCB00501-08 ORFS, Slide, Lift & Grabber Hyds)

Ref.bcb00501-08



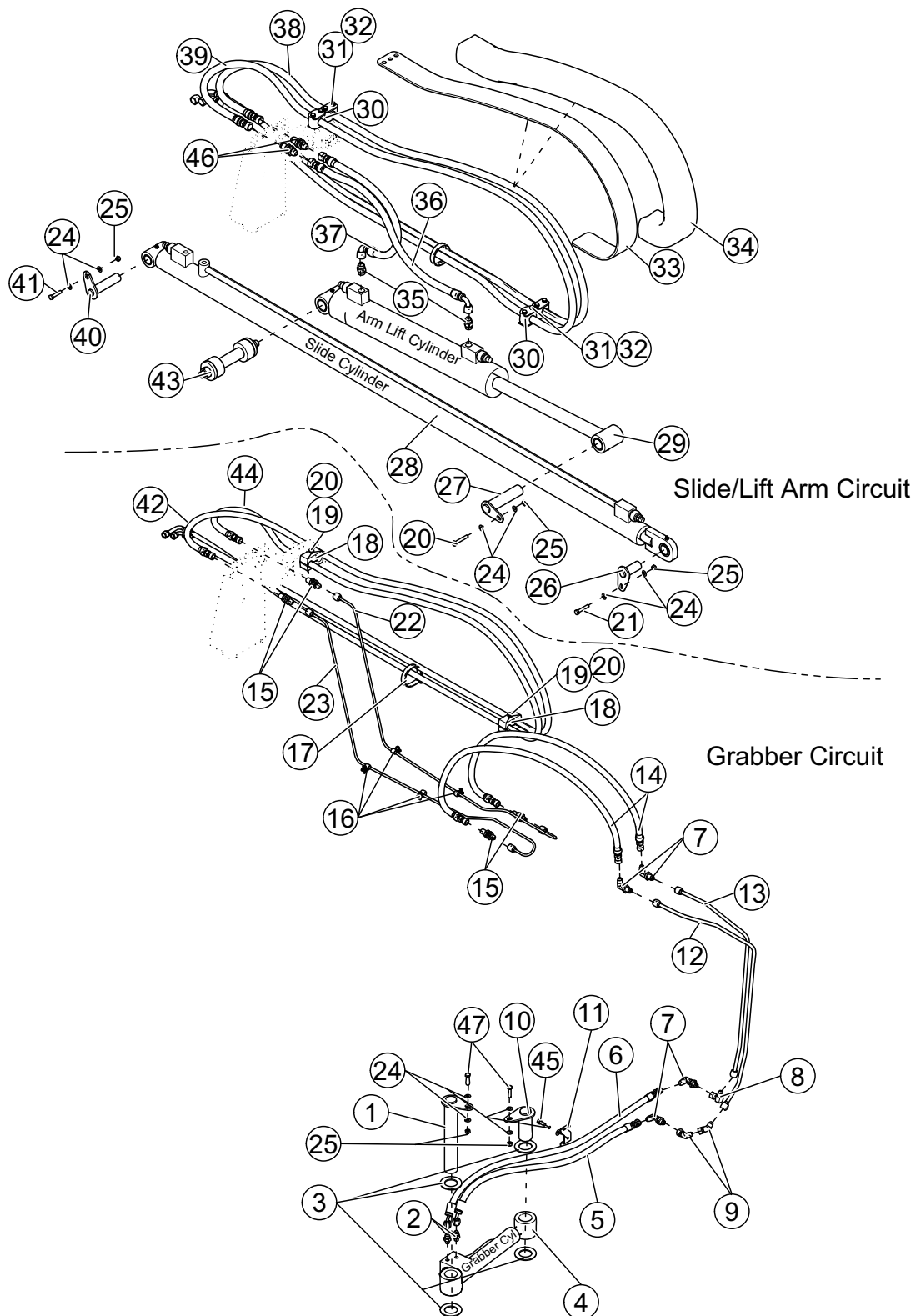
Arm Hydraulics (BCB00501-08 ORFS, Slide, Lift & Grabber Hyds)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	201188	PIN, Grabber Cyl. (Case End)	1
2	HYF04705	CONNECTOR	2
3	QUB00459	WASHER, Thrust	4
4	HYC00235	ASSY., Grabber Cyl. (See Page 77 for Components)	1
5	168950	HOSE	1
6	168951	HOSE	1
7	HYF06791	ELBOW, 90° Bulkhead	4
8	HYF07415	ELBOW, 90° Swivel Nut	1
9	HYF07841	ELBOW, 45° Swivel Nut	2
10	201191	PIN, Grabber Cyl. (Rod End)	1
11	QUA00800	CLAMP, .69" ID	1
12	88260	TUBE	1
13	88259	TUBE	1
14	172121	HOSE	2
15	HYF04892	UNION, Bulkhead	4
16	QUA00250	CLAMP, .38" ID	4
17	QUC05050	CLAMP, 2.50" ID	1
18	HYS00620	CLAMP	2
19	QUR01271	WASHER	2
20	QUB03101	CAPSCREW	2
21	QUB03052	CAPSCREW	1
22	88230	TUBE	1
23	88229	TUBE	1
24	QUR01800	WASHER	11
25	QUE01205	NUT	5
26	201183	PIN, Slide Cyl. (Rod End)	1
27	201186	PIN, Arm Lift Cyl. (Rod End)	1
28	HYC00191	ASSY., Slide Cyl. (See Page 79 for Components)	1
29	HYC00356	ASSY., Arm Lift Cyl. (See Page 78 for Components)	1
30	HYS01062	CLAMP, .50"ID Dual	4
31	QUR01260	WASHER	8
32	QUB02252	CAPSCREW	8
33	155750	REINFORCEMENT	1
34	HYB03780	PROTECTOR	1
35	HYF05171	CONNECTOR	2
36	172119	HOSE	1
37	172120	HOSE	1
38	172115	HOSE	1
39	172118	HOSE	1
40	201185	PIN, Slide Cyl. (Case End)	1
41	QUB03001	CAPSCREW	1
42	172116	HOSE	1
43	QUB07510	ASSY., Shaft & Locking Hubs	1
44	172117	HOSE	1
45	QUV02773	CAPSCREW	1
46	HYF04891	UNION, Bulkhead	2
47	QUB02901	CAPSCREW	2
48	171693	HOSE	1
49	171692	HOSE	1

SECTION 3

Arm Hydraulics (BCB00511-03 ORFS, Slide, Lift & Grabber Hyds)

Ref.bcb00511-03



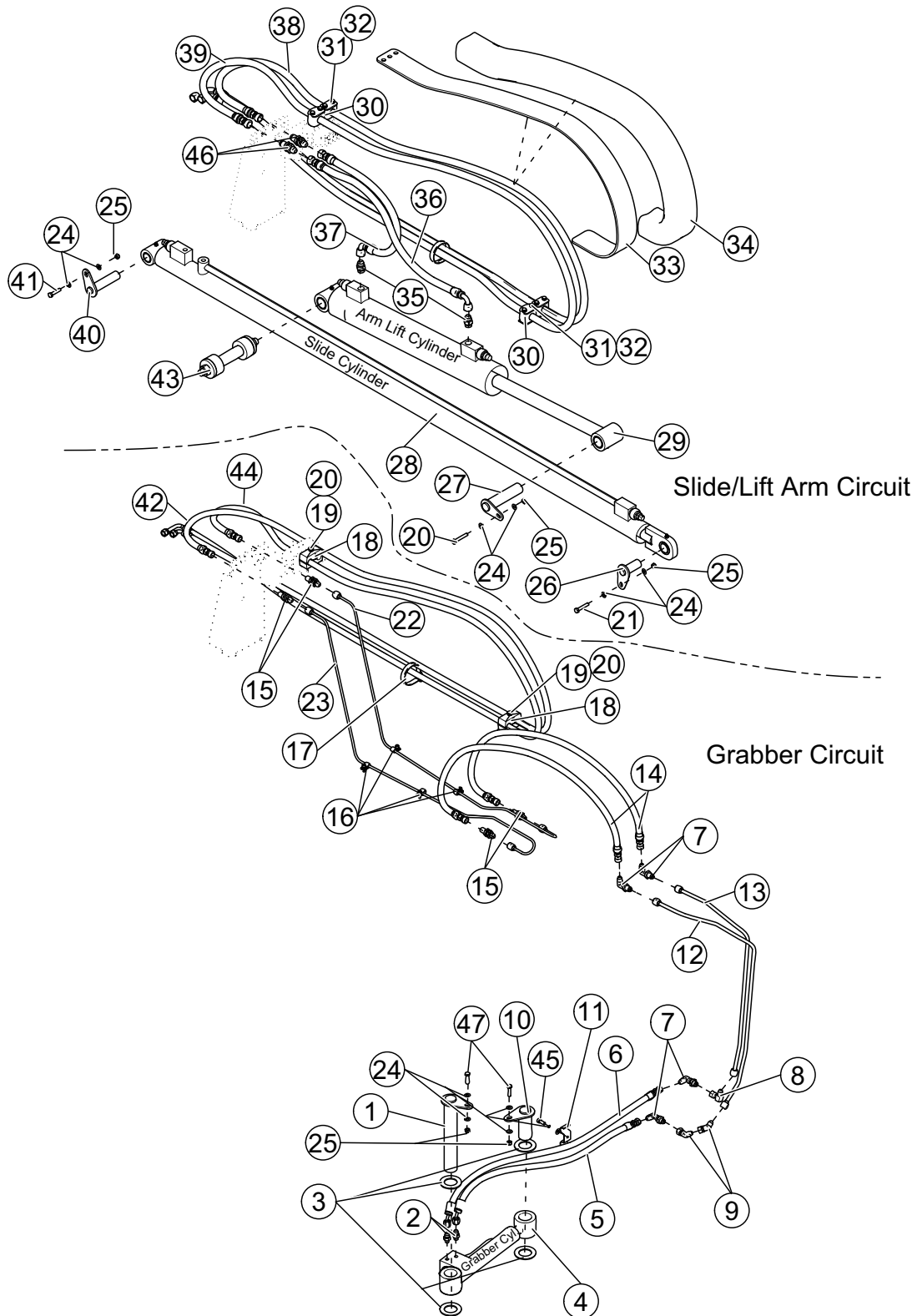
Arm Hydraulics (BCB00511-03 ORFS, Slide, Lift & Grabber Hyds)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	201188	PIN, Grabber Cyl. (Case End)	1
2	HYF04705	CONNECTOR	2
3	QUB00459	WASHER, Thrust	4
4	HYC00235	ASSY., Grabber Cyl. (See Page 77 for Components)	1
5	174176	HOSE	1
6	171677	HOSE	1
7	HYF06791	ELBOW, 90° Bulkhead	4
8	HYF07415	ELBOW, 90° Swivel Nut	1
9	HYF07841	ELBOW, 45° Swivel Nut	2
10	201191	PIN, Grabber Cyl. (Rod End)	1
11	QUA00800	CLAMP, .69" ID	1
12	88260	TUBE	1
13	88259	TUBE	1
14	172121	HOSE	2
15	HYF04892	UNION, Bulkhead	4
16	QUA00250	CLAMP, .38" ID	4
17	QUC05050	CLAMP, 2.50" ID	1
18	HYS00620	CLAMP	2
19	QUR01271	WASHER	2
20	QUB03101	CAPSCREW	2
21	QUB03052	CAPSCREW	1
22	88260	TUBE	1
23	88259	TUBE	1
24	QUR01800	WASHER	11
25	QUE01205	NUT	5
26	201183	PIN, Slide Cyl. (Rod End)	1
27	201186	PIN, Arm Lift Cyl. (Rod End)	1
28	HYC00191	ASSY., Slide Cyl. (See Page 79 for Components)	1
29	HYC00356	ASSY., Arm Lift Cyl. (See Page 78 for Components)	1
30	HYS01062	CLAMP, .50"ID Dual	4
31	QUR01260	WASHER	8
32	QUB02252	CAPSCREW	8
33	155750	REINFORCEMENT	1
34	HYB03780	PROTECTOR	1
35	HYF05171	CONNECTOR	2
36	172119	HOSE	1
37	172120	HOSE	1
38	172115	HOSE	1
39	172118	HOSE	1
40	201185	PIN, Slide Cyl. (Case End)	1
41	QUB03001	CAPSCREW	1
42	172116	HOSE	1
43	QUB07510	ASSY., Shaft & Locking Hubs	1
44	172117	HOSE	1
45	QUV02773	CAPSCREW	1
46	HYF04891	UNION, Bulkhead	2
47	QUB02901	CAPSCREW	2

SECTION 3

Arm Hydraulics (BCB00515-10 JIC, Slide, Lift & Grabber Hyds)

Ref.bcb00515-10



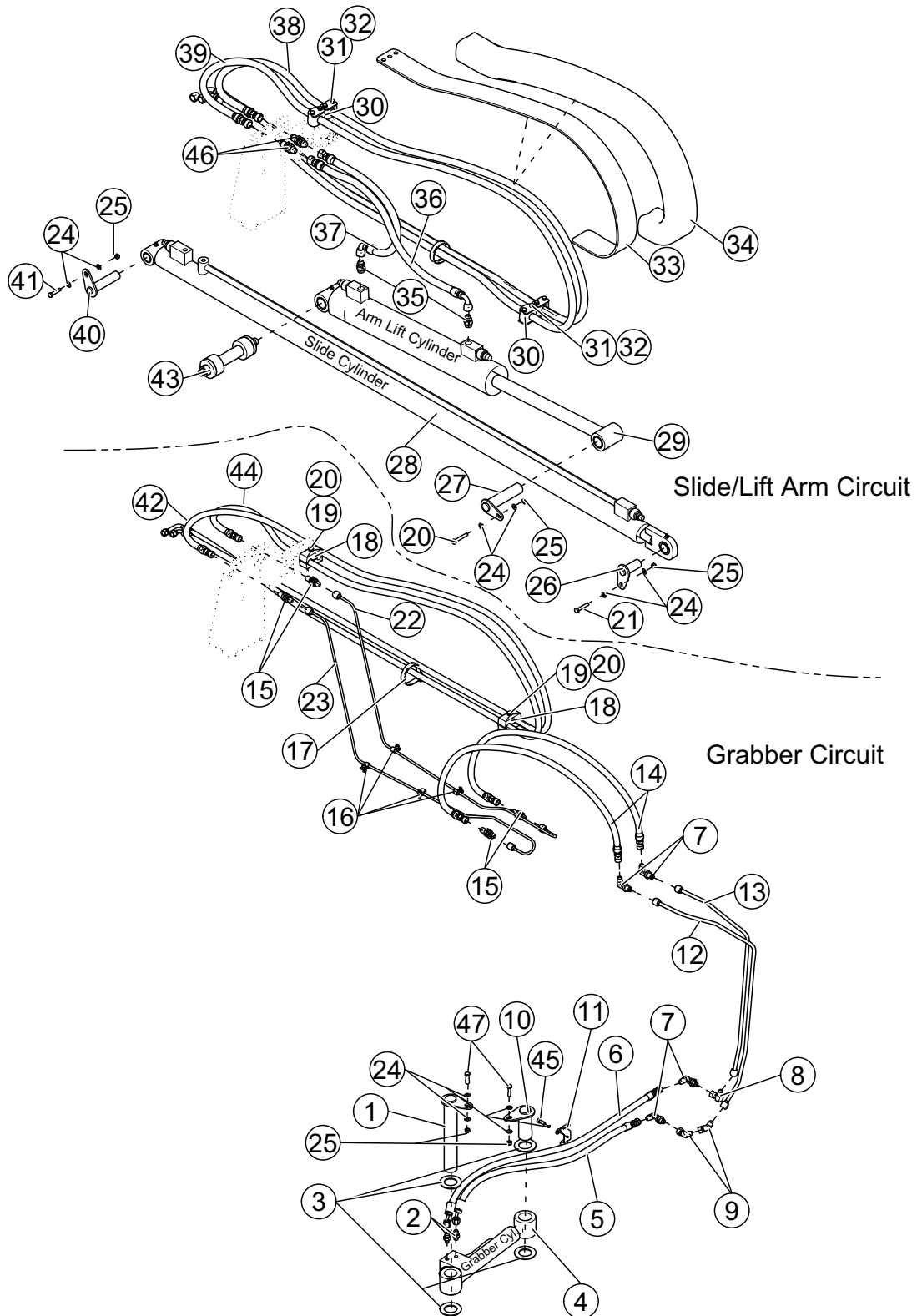
Arm Hydraulics (BCB00515-10 JIC, Slide, Lift & Grabber Hyds)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	201188	PIN, Grabber Cyl. (Case End)	1
2	HYF04845	CONNECTOR	2
3	QUB00459	WASHER, Thrust	4
4	HYC00235	ASSY., Grabber Cyl. (See Page 77 for Components)	1
5	176505	HOSE	1
6	176506	HOSE	1
7	HYF06790	ELBOW, 90° Bulkhead	4
8	HYF07950	ELBOW, 90° Swivel Nut	1
9	HYF07840	ELBOW, 45° Swivel Nut	2
10	201191	PIN, Grabber Cyl. (Rod End)	1
11	QUA00800	CLAMP, .69" ID	1
12	81158	TUBE	1
13	81159	TUBE	1
14	209098	HOSE	2
15	HYF06490	UNION, Bulkhead	4
16	QUA00250	CLAMP, .38" ID	4
17	QUC05050	CLAMP, 2.50" ID	1
18	HYS00620	CLAMP	2
19	QUR01271	WASHER	2
20	QUB03101	CAPSCREW	2
21	QUB03052	CAPSCREW	1
22	82114	TUBE	1
23	82113	TUBE	1
24	QUR01800	WASHER	11
25	QUE01205	NUT	5
26	201183	PIN, Slide Cyl. (Rod End)	1
27	201186	PIN, Arm Lift Cyl. (Rod End)	1
28	HYC00191	ASSY., Slide Cyl. (See Page 79 for Components)	1
29	HYC00356	ASSY., Arm Lift Cyl. (See Page 78 for Components)	1
30	HYS01062	CLAMP, .50"ID Dual	4
31	QUR01260	WASHER	8
32	QUB02252	CAPSCREW	8
33	155750	REINFORCEMENT	1
34	HYB03780	PROTECTOR	1
35	HYF05110	CONNECTOR	2
36	203711	HOSE	1
37	209207	HOSE	1
38	176517	HOSE	1
39	176518	HOSE	1
40	201185	PIN, Slide Cyl. (Case End)	1
41	QUB03001	CAPSCREW	1
42	176515	HOSE	1
43	QUB07510	ASSY., Shaft & Locking Hubs	1
44	204745	HOSE	1
45	QUV02773	CAPSCREW	1
46	HYF06500	UNION, Bulkhead	2
47	QUB02901	CAPSCREW	2

SECTION 3

Arm Hydraulics (BCB00525-03, -05 JIC, Slide, Lift & Grabber Hyds)

Ref.bcb00525-05,
BCB00525-03



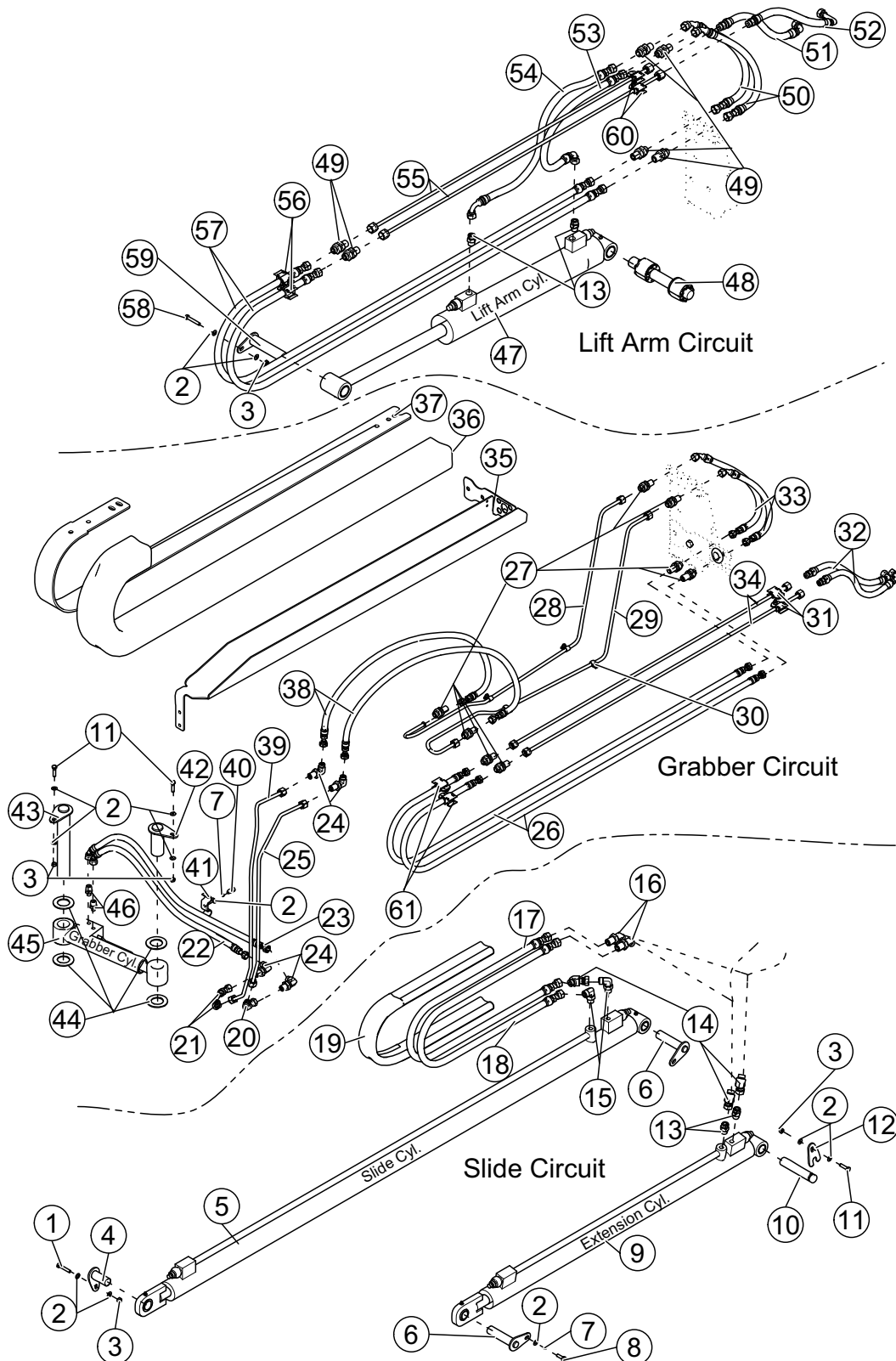
Arm Hydraulics (BCB00525-03, -05 JIC, Slide, Lift & Grabber Hyds)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	201188	PIN, Grabber Cyl. (Case End)	1
2	HYF04845	CONNECTOR	2
3	QUB00459	WASHER, Thrust	4
4	HYC00235	ASSY., Grabber Cyl. (See Page 77 for Components)	1
5	176525	HOSE	1
6	176524	HOSE	1
7	HYF06790	ELBOW, 90° Bulkhead	4
8	HYF07950	ELBOW, 90° Swivel Nut	1
9	HYF07840	ELBOW, 45° Swivel Nut	2
10	201191	PIN, Grabber Cyl. (Rod End)	1
11	QUA00800	CLAMP, .69" ID	1
12	81158	TUBE	1
13	81159	TUBE	1
14	209098	HOSE	2
15	HYF06490	UNION, Bulkhead	4
16	QUA00250	CLAMP, .38" ID	4
17	QUC05050	CLAMP, 2.50" ID	1
18	HYS00620	CLAMP	2
19	QUR01271	WASHER	2
20	QUB03101	CAPSCREW	2
21	QUB03052	CAPSCREW	1
22	82114	TUBE	1
23	82113	TUBE	1
24	QUR01800	WASHER	11
25	QUE01205	NUT	5
26	201183	PIN, Slide Cyl. (Rod End)	1
27	201186	PIN, Arm Lift Cyl. (Rod End)	1
28	HYC00191	ASSY., Slide Cyl. (See Page 79 for Components)	1
29	HYC00356	ASSY., Arm Lift Cyl. (See Page 78 for Components)	1
30	HYS01062	CLAMP, .50"ID Dual	4
31	QUR01260	WASHER	8
32	QUB02252	CAPSCREW	8
33	155750	REINFORCEMENT	1
34	HYB03780	PROTECTOR	1
35	HYF05110	CONNECTOR	2
36	203711	HOSE	1
37	209207	HOSE	1
38	176517	HOSE	1
39	176518	HOSE	1
40	201185	PIN, Slide Cyl. (Case End)	1
41	QUB03001	CAPSCREW	1
42	176515	HOSE	1
43	QUB07510	ASSY., Shaft & Locking Hubs	1
44	204795	HOSE	1
45	QUV02773	CAPSCREW	1
46	HYF06500	UNION, Bulkhead	2
47	QUB02901	CAPSCREW	2

SECTION 3

Arm Hydraulics (BCB00700-07 ORFS, Slide, Lift & Grabber Hyds)

Ref.bcb00700-07



Arm Hydraulics (BCB00700-07 ORFS, Slide, Lift & Grabber Hyds)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB03052	CAPSCREW	1
2	QUR01800	WASHER	14
3	QUE01205	NUT	6
4	201183	PIN, Slide Cyl. (Rod End)	1
5	HYC00191	ASSY., Slide Cyl. (See Page 79 for Components))	1
6	201185	PIN, Extension Cyl. (Rod End)	1
7	QUR01271	WASHER	2
8	QUB02803	CAPSCREW	3
9	HYC00219	ASSY., Extension Cyl. (See Page 80 for Components))	1
10	171264	PIN, Extension Cyl. (Case End)	1
11	QUB02901	CAPSCREW	3
12	171265	RETAINER	1
13	HYF05171	CONNECTOR	4
14	HYF02932	ELBOW, 45° (Swivel Nut)	3
15	HYF05126	ELBOW, 90°	2
16	HYF02934	ELBOW, 45° (Bulkhead)	2
17	171682	HOSE	1
18	171684	HOSE	1
19	HYB03600	PROTECTOR	1
20	HYF07415	ELBOW, 90° (Swivel Nut)	1
21	HYF07841	ELBOW, 90° (Swivel Nut)	2
22	168950	HOSE	1
23	168951	HOSE	1
24	HYF06791	ELBOW, 90° (Bulkhead)	4
25	88260	TUBE	1
26	171683	HOSE	2
27	HYF04892	UNION (Bulkhead)	8
28	88229	TUBE	1
29	88230	TUBE	1
30	QUA00250	CLAMP, .38: I.D.	4
31	HYS00150	CLAMP, .38" O.D. Tube	2
32	171679	HOSE	2
33	171686	HOSE	2
34	171250	TUBE	2
35	143078	CHANNEL, Hose	1
36	HYB03780	PROTECTOR	1
37	85371	REINFORCEMENT	1
38	172121	HOSE	2
39	88259	TUBE	1
40	QUV02773	CAPSCREW, Socket Head	1
CONTINUED ON NEXT PAGE			

SECTION 3**Arm Hydraulics** (BCB00700-07 ORFS, Slide, Lift & Grabber Hyds)

Ref.bcb00700-07

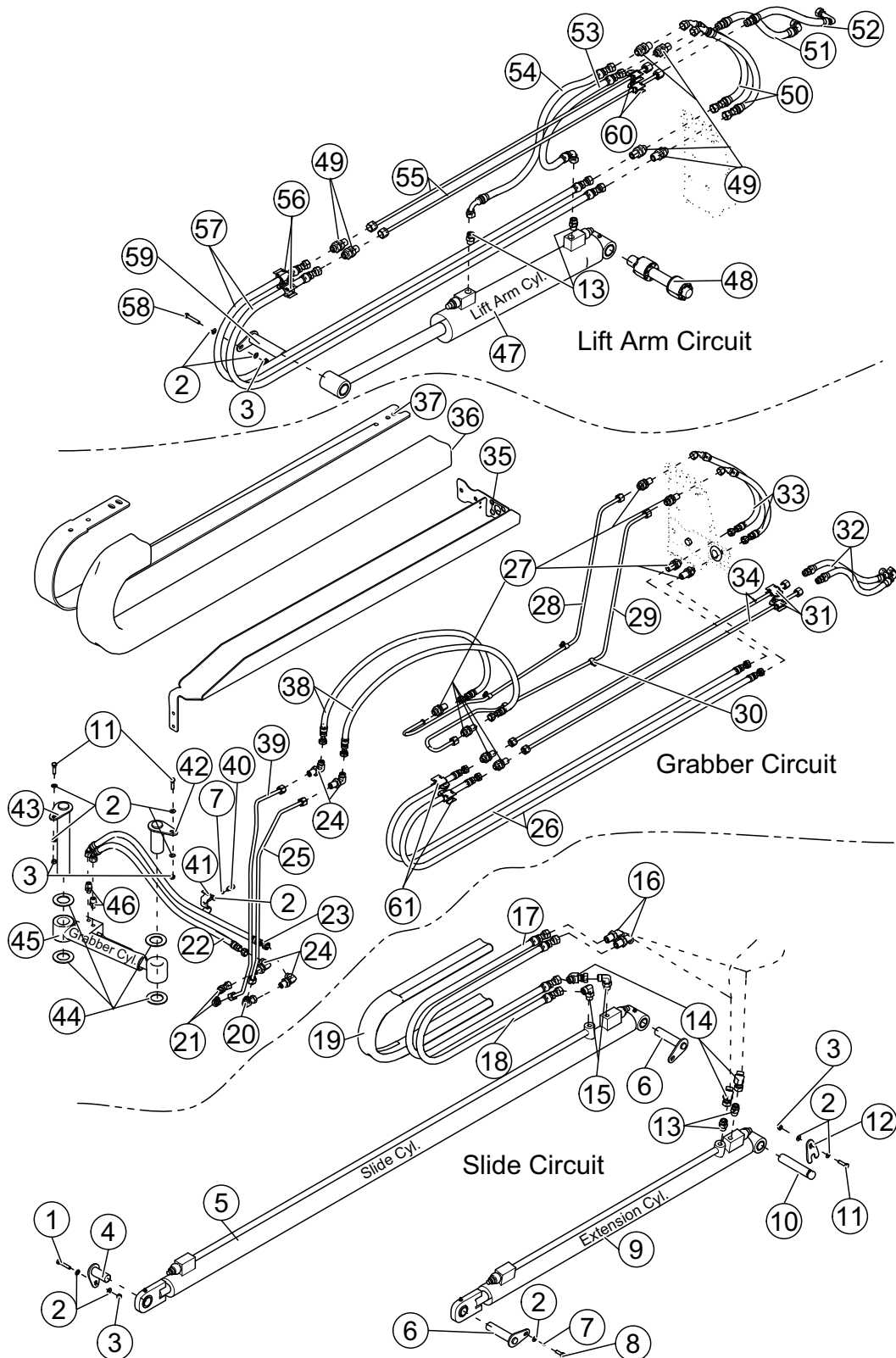
REF. NO.	PART NO.	DESCRIPTION	QTY.
41	QUA00800	CLAMP, .69" I.D.	1
42	201191	PIN, Grabber Cyl. (Rod End)	1
43	201188	PIN, Grabber Cyl. (Case End)	1
44	QUB00459	WASHER, Thrust	4
45	HYC00235	ASSY., Grabber Cyl. (See Page 77 for Components))	1
46	HYF04705	CONNECTOR	2
47	HYC00356	ASSY., Lift Arm Cyl. (See Page 78 for Components)	1
48	QUB07510	ASSY., Shaft & Locking Hubs (Lift Arm Cyl., Case End)	1
49	HYF04891	UNION (Bulkhead)	4
50	171687	HOSE	2
51	171681	HOSE	1
52	171680	HOSE	1
53	172120	HOSE	1
54	172179	HOSE	1
55	171251	TUBE	2
56	HYS00300	CLAMP, .75" O.D. Hose	2
57	171678	HOSE	1
58	QUB03101	CAPSCREW	1
59	201186	PIN, Lift Arm Cyl. (Rod End)	1
60	HYS00200	CLAMP, .50" O.D. Tube	2
61	HYS00250	CLAMP, .62" O.D. Hose	2

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SECTION 3

Arm Hydraulics (BCB00702-09 JIC, Slide, Lift & Grabber Hyds)

Ref.



Arm Hydraulics (BCB00702-09 JIC, Slide, Lift & Grabber Hyds)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB03052	CAPSCREW	1
2	QUR01800	WASHER	14
3	QUE01205	NUT	6
4	201183	PIN, Slide Cyl. (Rod End)	1
5	HYC00191	ASSY., Slide Cyl. (See Page 79 for Components))	1
6	201185	PIN, Extension Cyl. (Rod End)	1
7	QUR01271	WASHER	2
8	QUB02803	CAPSCREW	3
9	HYC00219	ASSY., Extension Cyl. (See Page 80 for Components))	1
10	171264	PIN, Extension Cyl. (Case End)	1
11	QUB02901	CAPSCREW	3
12	171265	RETAINER	1
13	HYF05110	CONNECTOR	4
14	HYF02925	ELBOW, 45° (Swivel Nut)	3
15	HYF05125	ELBOW, 90°	2
16	HYF02930	ELBOW, 45° (Bulkhead)	2
17	176508	HOSE	1
18	176507	HOSE	1
19	HYB03600	PROTECTOR	1
20	HYF07950	ELBOW, 90° (Swivel Nut)	1
21	HYF07840	ELBOW, 90° (Swivel Nut)	2
22	176505	HOSE	1
23	176506	HOSE	1
24	HYF06790	ELBOW, 90° (Bulkhead)	4
25	81159	TUBE	1
26	172114	HOSE	2
27	HYF06490	UNION (Bulkhead)	8
28	82113	TUBE	1
29	82114	TUBE	1
30	QUA00250	CLAMP, .38: I.D.	4
31	HYS00150	CLAMP, .38" O.D. Tube	2
32	176511	HOSE	2
33	176504	HOSE	2
34	85372	TUBE	2
35	143078	CHANNEL, Hose	1
36	HYB03780	PROTECTOR	1
37	85371	REINFORCEMENT	1
38	172110	HOSE	2
39	81158	TUBE	1
40	QUV02773	CAPSCREW, Socket Head	1
CONTINUED ON NEXT PAGE			

SECTION 3**Arm Hydraulics** (BCB00702-09 JIC, Slide, Lift & Grabber Hyds)

Ref.bcb00702-09

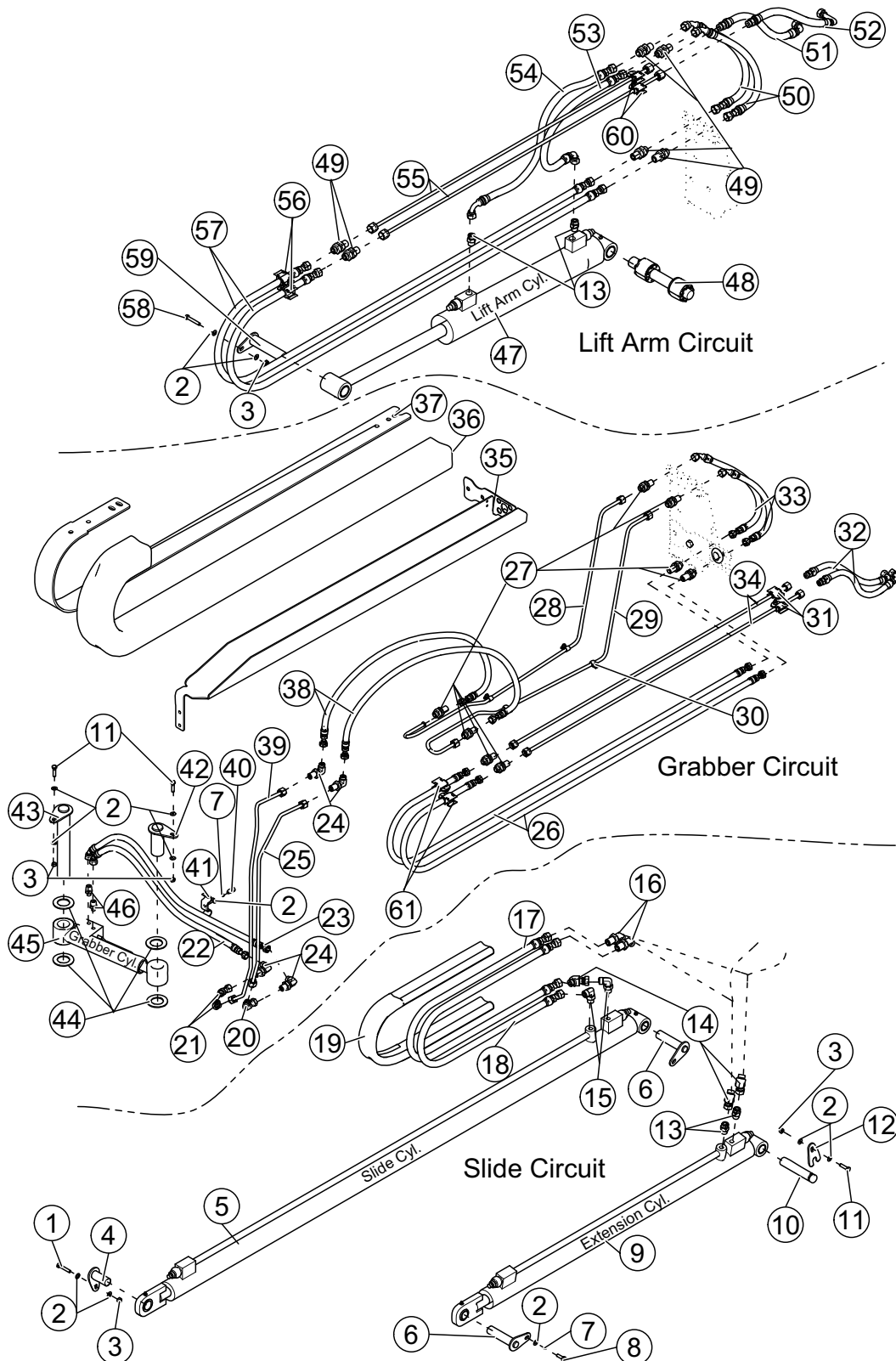
REF. NO.	PART NO.	DESCRIPTION	QTY.
41	QUA00800	CLAMP, .69" I.D.	1
42	201191	PIN, Grabber Cyl. (Rod End)	1
43	201188	PIN, Grabber Cyl. (Case End)	1
44	QUB00459	WASHER, Thrust	4
45	HYC00235	ASSY., Grabber Cyl. (See Page 77 for Components))	1
46	HYF04845	CONNECTOR	2
47	HYC00356	ASSY., Lift Arm Cyl. (See Page 78 for Components)	1
48	QUB07510	ASSY., Shaft & Locking Hubs (Lift Arm Cyl., Case End)	1
49	HYF06500	UNION (Bulkhead)	4
50	176503	HOSE	2
51	176509	HOSE	1
52	176510	HOSE	1
53	172112	HOSE	1
54	172111	HOSE	1
55	85373	TUBE	2
56	HYS00300	CLAMP, .75" O.D. Hose	2
57	172113	HOSE	1
58	QUB03101	CAPSCREW	1
59	201186	PIN, Lift Arm Cyl. (Rod End)	1
60	HYS00200	CLAMP, .50" O.D. Tube	2
61	HYS00250	CLAMP, .62" O.D. Hose	2

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SECTION 3

Arm Hydraulics (BCB00703 JIC, Slide, Lift & Grabber Hyds)

Ref.bcb00703



Arm Hydraulics (BCB00703 JIC, Slide, Lift & Grabber Hyds)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB03052	CAPSCREW	1
2	QUR01800	WASHER	14
3	QUE01205	NUT	6
4	201183	PIN, Slide Cyl. (Rod End)	1
5	HYC00191	ASSY., Slide Cyl. (See Page 79 for Components))	1
6	201185	PIN, Extension Cyl. (Rod End)	1
7	QUR01271	WASHER	2
8	QUB02803	CAPSCREW	3
9	HYC00219	ASSY., Extension Cyl. (See Page 80 for Components))	1
10	171264	PIN, Extension Cyl. (Case End)	1
11	QUB02901	CAPSCREW	3
12	171265	RETAINER	1
13	HYF05110	CONNECTOR	4
14	HYF02925	ELBOW, 45° (Swivel Nut)	3
15	HYF05125	ELBOW, 90°	2
16	HYF02930	ELBOW, 45° (Bulkhead)	2
17	169612	HOSE	1
18	169613	HOSE	1
19	HYB03600	PROTECTOR	1
20	HYF07950	ELBOW, 90° (Swivel Nut)	1
21	HYF07840	ELBOW, 90° (Swivel Nut)	2
22	169618	HOSE	1
23	169617	HOSE	1
24	HYF06790	ELBOW, 90° (Bulkhead)	4
25	81159	TUBE	1
26	169608	HOSE	2
27	HYF06490	UNION (Bulkhead)	8
28	82113	TUBE	1
29	82114	TUBE	1
30	QUA00250	CLAMP, .38: I.D.	4
31	HYS00150	CLAMP, .38" O.D. Tube	2
32	169616	HOSE	2
33	169611	HOSE	2
34	85372	TUBE	2
35	143078	CHANNEL, Hose	1
36	HYB03780	PROTECTOR	1
37	85371	REINFORCEMENT	1
38	172110	HOSE	2
39	81158	TUBE	1
40	QUV02773	CAPSCREW, Socket Head	1
CONTINUED ON NEXT PAGE			

SECTION 3**Arm Hydraulics** (BCB00703 JIC, Slide, Lift & Grabber Hyds)

Ref.bcb00703

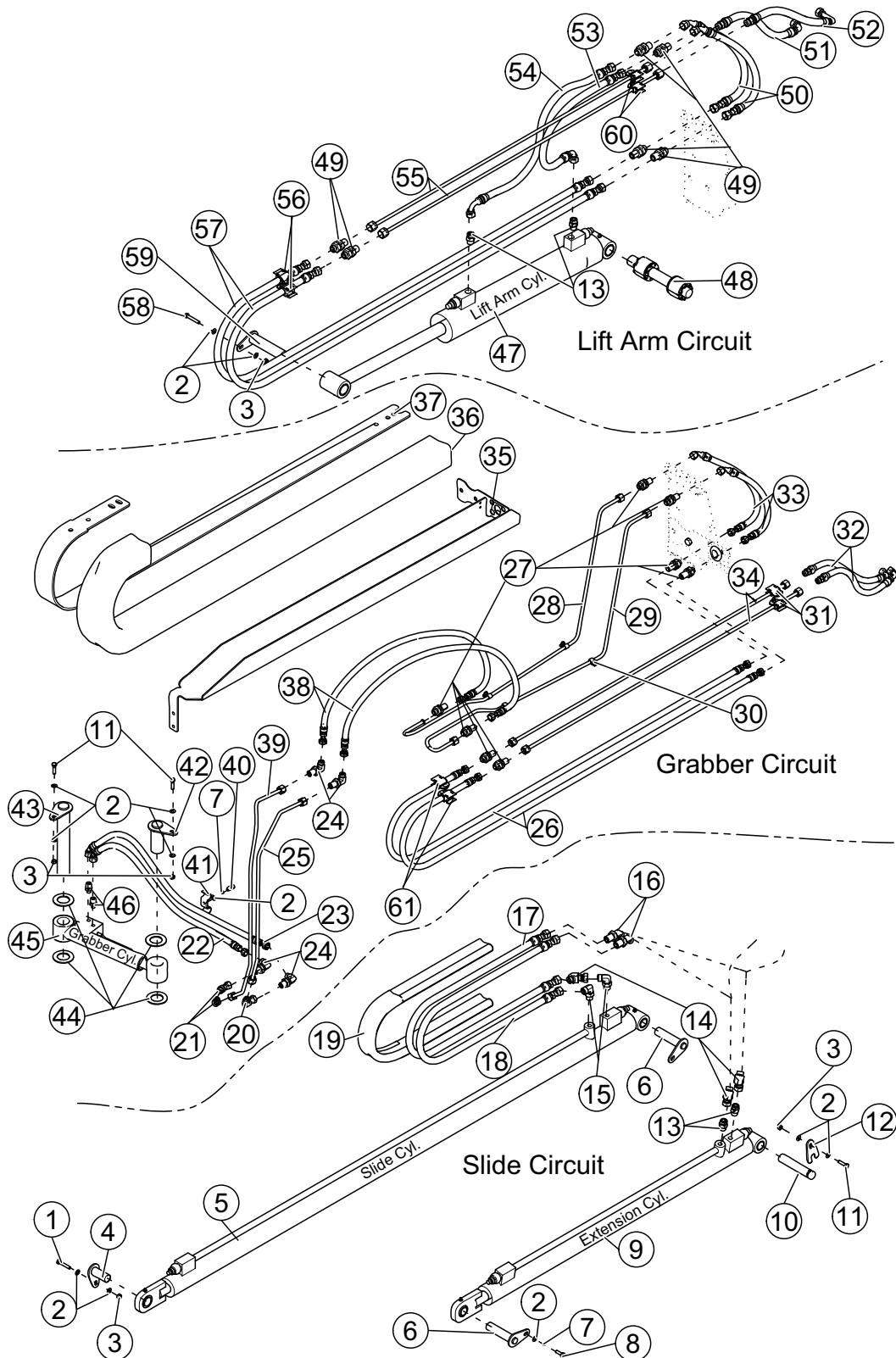
REF. NO.	PART NO.	DESCRIPTION	QTY.
41	QUA00800	CLAMP, .69" I.D.	1
42	201191	PIN, Grabber Cyl. (Rod End)	1
43	201188	PIN, Grabber Cyl. (Case End)	1
44	QUB00459	WASHER, Thrust	4
45	HYC00235	ASSY., Grabber Cyl. (See Page 77 for Components))	1
46	HYF04845	CONNECTOR	2
47	HYC00356	ASSY., Lift Arm Cyl. (See Page 78 for Components)	1
48	QUB07510	ASSY., Shaft & Locking Hubs (Lift Arm Cyl., Case End)	1
49	HYF06500	UNION (Bulkhead)	4
50	169610	HOSE	2
51	169614	HOSE	1
52	169615	HOSE	1
53	169607	HOSE	1
54	169606	HOSE	1
55	85373	TUBE	2
56	HYS00300	CLAMP, .75" O.D. Hose	2
57	169609	HOSE	1
58	QUB03101	CAPSCREW	1
59	201186	PIN, Lift Arm Cyl. (Rod End)	1
60	HYS00200	CLAMP, .50" O.D. Tube	2
61	HYS00250	CLAMP, .62" O.D. Hose	2

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SECTION 3

Arm Hydraulics (BCB00735-01 JIC, Slide, Lift & Grabber Hyds)

Ref.bcb00735-01



Arm Hydraulics (BCB00735-01 JIC, Slide, Lift & Grabber Hyds)

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB03052	CAPSCREW	1
2	QUR01800	WASHER	14
3	QUE01205	NUT	6
4	201183	PIN, Slide Cyl. (Rod End)	1
5	HYC00191	ASSY., Slide Cyl. (See Page 79 for Components))	1
6	201185	PIN, Extension Cyl. (Rod End)	1
7	QUR01271	WASHER	2
8	QUB02803	CAPSCREW	3
9	HYC00219	ASSY., Extension Cyl. (See Page 80 for Components))	1
10	171264	PIN, Extension Cyl. (Case End)	1
11	QUB02901	CAPSCREW	3
12	171265	RETAINER	1
13	HYF05110	CONNECTOR	4
14	HYF02925	ELBOW, 45° (Swivel Nut)	3
15	HYF05125	ELBOW, 90°	2
16	HYF02930	ELBOW, 45° (Bulkhead)	2
17	176508	HOSE	1
18	176507	HOSE	1
19	HYB03600	PROTECTOR	1
20	HYF07950	ELBOW, 90° (Swivel Nut)	1
21	HYF07840	ELBOW, 90° (Swivel Nut)	2
22	176525	HOSE	1
23	176524	HOSE	1
24	HYF06790	ELBOW, 90° (Bulkhead)	4
25	167868	TUBE	1
26	172114	HOSE	2
27	HYF06490	UNION (Bulkhead)	8
28	82113	TUBE	1
29	82114	TUBE	1
30	QUA00250	CLAMP, .38: I.D.	4
31	HYS00150	CLAMP, .38" O.D. Tube	2
32	176511	HOSE	2
33	209101	HOSE	2
34	85372	TUBE	2
35	143078	CHANNEL, Hose	1
36	HYB03780	PROTECTOR	1
37	85371	REINFORCEMENT	1
38	209098	HOSE	2
39	167869	TUBE	1
40	QUV02773	CAPSCREW, Socket Head	1
CONTINUED ON NEXT PAGE			

SECTION 3**Arm Hydraulics** (BCB00735-01 JIC, Slide, Lift & Grabber Hyds)

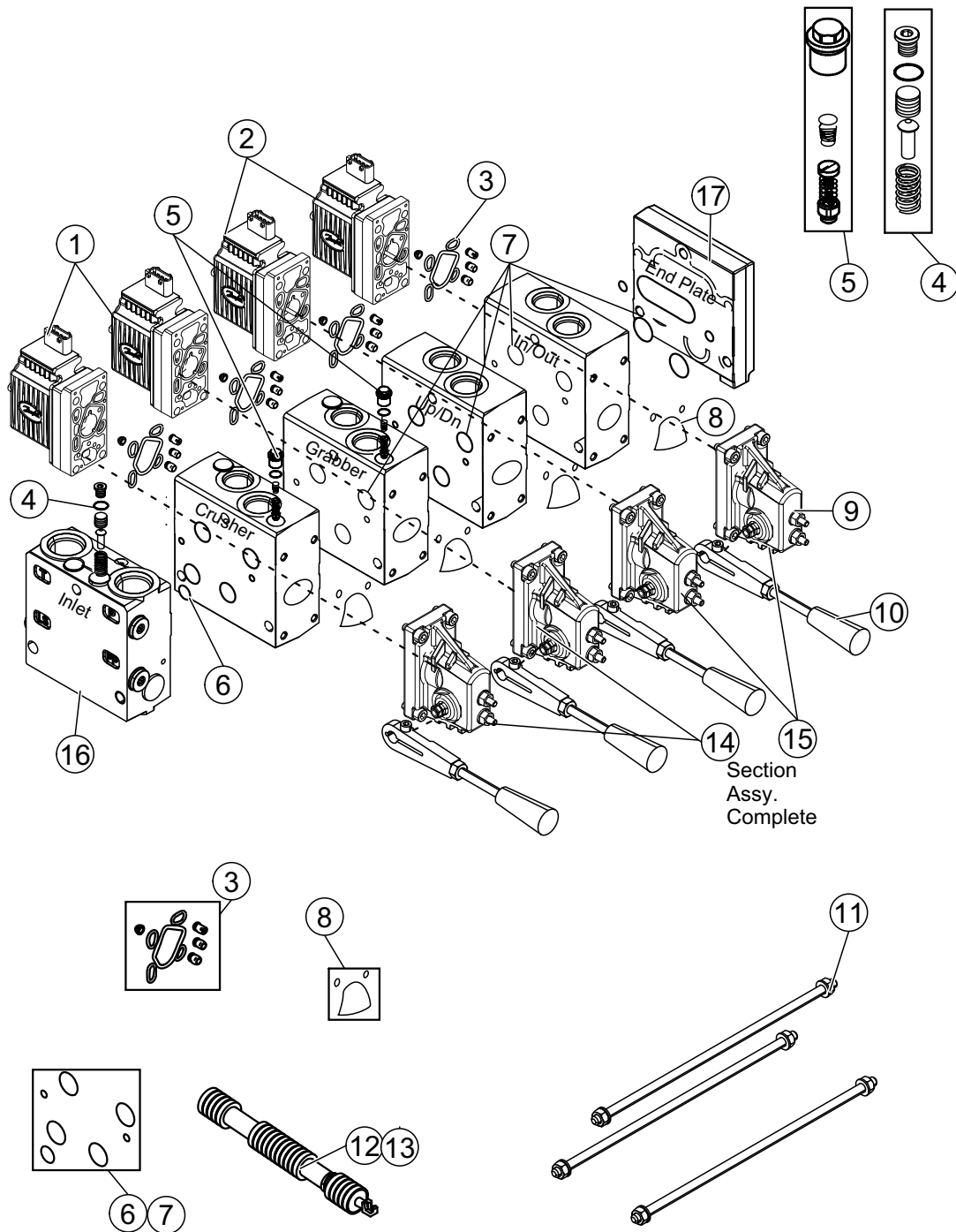
Ref.bcb00735-01

REF. NO.	PART NO.	DESCRIPTION	QTY.
41	QUA00800	CLAMP, .69" I.D.	1
42	201191	PIN, Grabber Cyl. (Rod End)	1
43	201188	PIN, Grabber Cyl. (Case End)	1
44	QUB00459	WASHER, Thrust	4
45	HYC00235	ASSY., Grabber Cyl. (See Page 77 for Components))	1
46	HYF04845	CONNECTOR	2
47	HYC00356	ASSY., Lift Arm Cyl. (See Page 78 for Components)	1
48	QUB07510	ASSY., Shaft & Locking Hubs (Lift Arm Cyl., Case End)	1
49	HYF06500	UNION (Bulkhead)	4
50	209100	HOSE	2
51	183819	HOSE	1
52	183820	HOSE	1
53	203711	HOSE	1
54	209207	HOSE	1
55	85373	TUBE	2
56	HYS00300	CLAMP, .75" O.D. Hose	2
57	172113	HOSE	1
58	QUB03101	CAPSCREW	1
59	201186	PIN, Lift Arm Cyl. (Rod End)	1
60	HYS00200	CLAMP, .50" O.D. Tube	2
61	HYS00250	CLAMP, .62" O.D. Hose	2

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SECTION 4

VALVE, Control - Lift Arm & Crusher - HYV04406-02

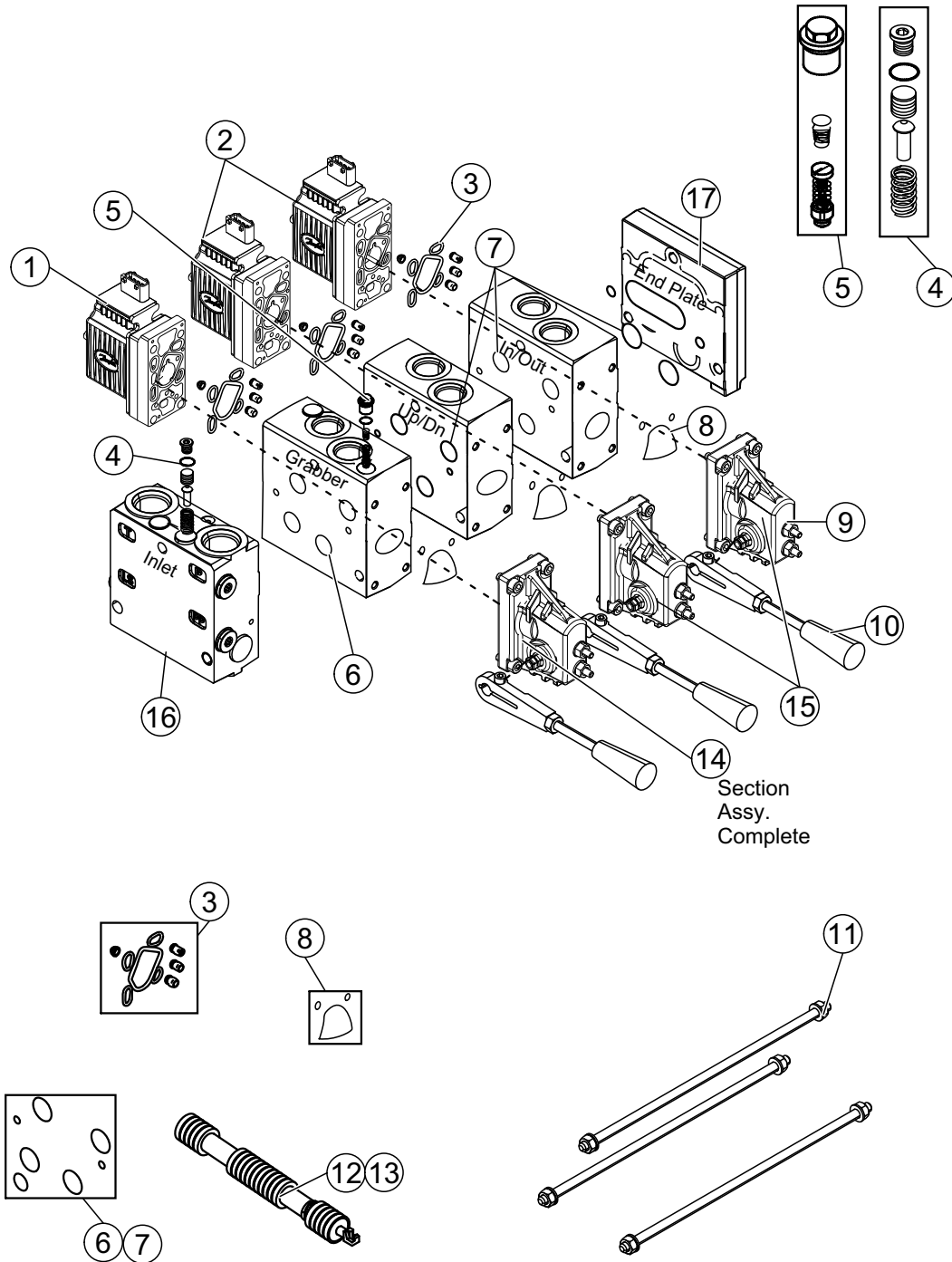


VALVE, Control - Lift Arm & Crusher - HYV04406-02

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYV04338	ACTUATOR, Electric - Non Proportional (Grabber/Crusher)	2
2	HYV04337	ACTUATOR, Electric - Proportional (Up/Dn & In/Out)	2
3	HYV04335-01	KIT, Seal - Electric Actuator	4
4	HYV04314	KIT, Pilot Pressure	1
5	HYV04485	KIT, Load Sense Relief	2
6	HYV04428	KIT, Seal - Inlet Section Only	1
7	HYV04429	KIT, Seal Between Section - Work Sections	4
8	HYV04330	KIT, Seal - Manual Actuator	4
9	HYV04315	ACTUATOR, Manual (All Work Sections/ Includes Handle)	4
10	HYV04316	HANDLE Only	As Reqd.
11	HYV04329	KIT, Stud (4 Work Section Assy)	1
12	HYV04360	SPOOL (Non-Proportional Section)	2
13	HYV04365	SPOOL (Proportional Section)	2
14	HYV04505	ASSY., Section - Complete (Non-Proportional Section)	2
15	HYV04506	ASSY., Section - Complete (Proportional Section)	2
16	HYV04462	ASSY., Inlet Section (Includes Item 4)	1
17	HYV04377	PLATE, End	1
	HYV04406-02	ASSEMBLED, Valve - Complete	1

SECTION 4

VALVE, Control - Lift Arm - HYV04407-02



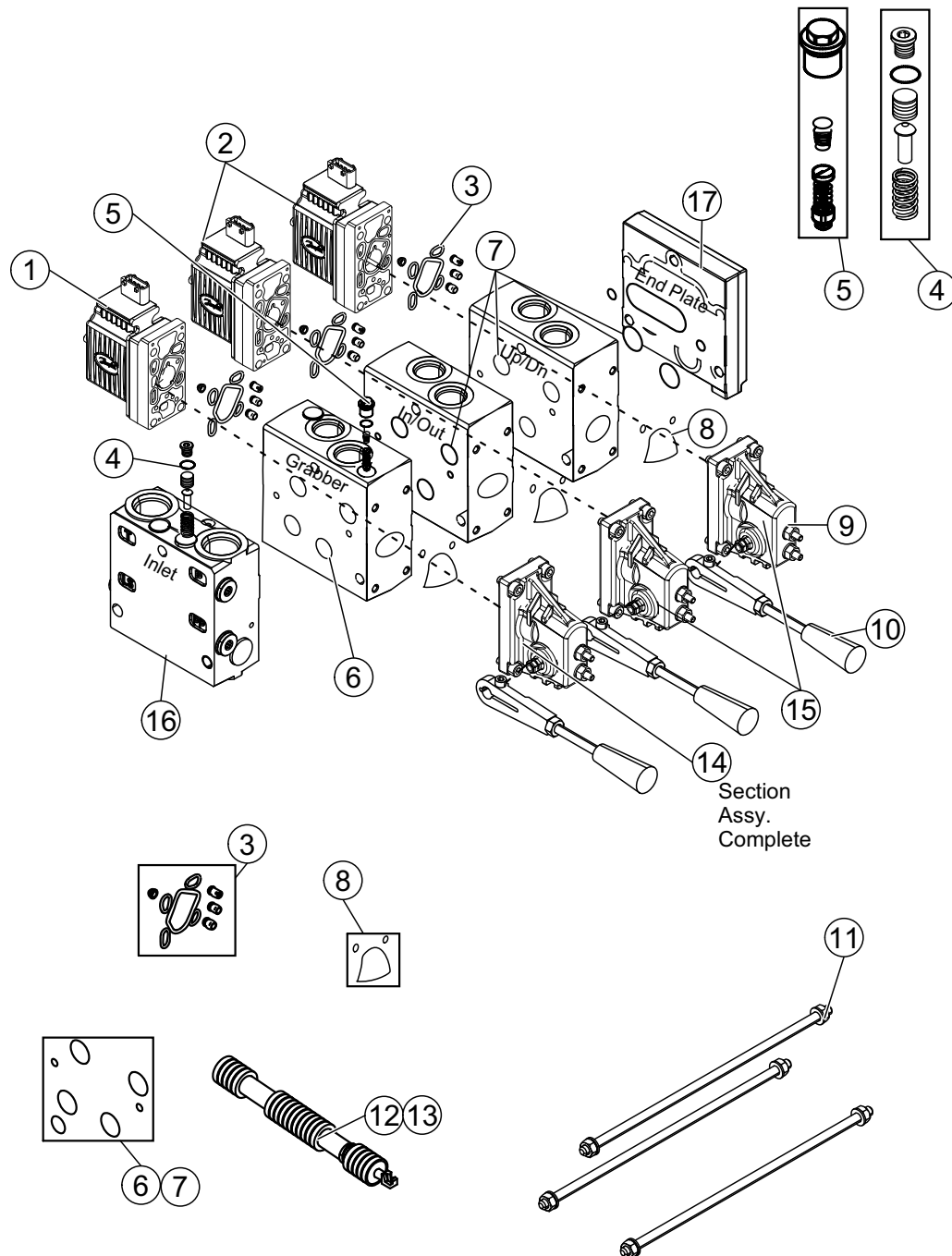
VALVE, Control - Lift Arm - HYV04407-02

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYV04338	ACTUATOR, Electric - Non Proportional (Grabber)	1
2	HYV04349	ACTUATOR, Electric - Proportional (Up/Dn & In/Out)	2
3	HYV04335-01	KIT, Seal - Electric Actuator	3
4	HYV04314	KIT, Pilot Pressure	1
5	HYV04485	KIT, Load Sense Relief	1
6	HYV04428	KIT, Seal - Inlet Section Only	1
7	HYV04429	KIT, Seal Between Section - Work Sections	3
8	HYV04330	KIT, Seal - Manual Actuator	3
9	HYV04315	ACTUATOR, Manual (All Work Sections/ Includes Handle)	3
10	HYV04316	HANDLE Only	As Reqd.
11	HYV04325	KIT, Stud (3 Work Section Assy)	1
12	HYV04360	SPOOL (Non-Proportional Section)	1
13	HYV04365	SPOOL (Proportional Section)	2
14	HYV04505	ASSY., Section - Complete (Non-Proportional Section)	1
15	HYV04506	ASSY., Section - Complete (Proportional Section)	2
16	HYV04462	ASSY., Inlet Section (Includes Item 4)	1
17	HYV04377	PLATE, End	1
	HYV04407-02	ASSEMBLED, Valve - Complete	1

SECTION 4

VALVE, Control - Lift Arm - HYV04409-02

Ref.HYV04409-02



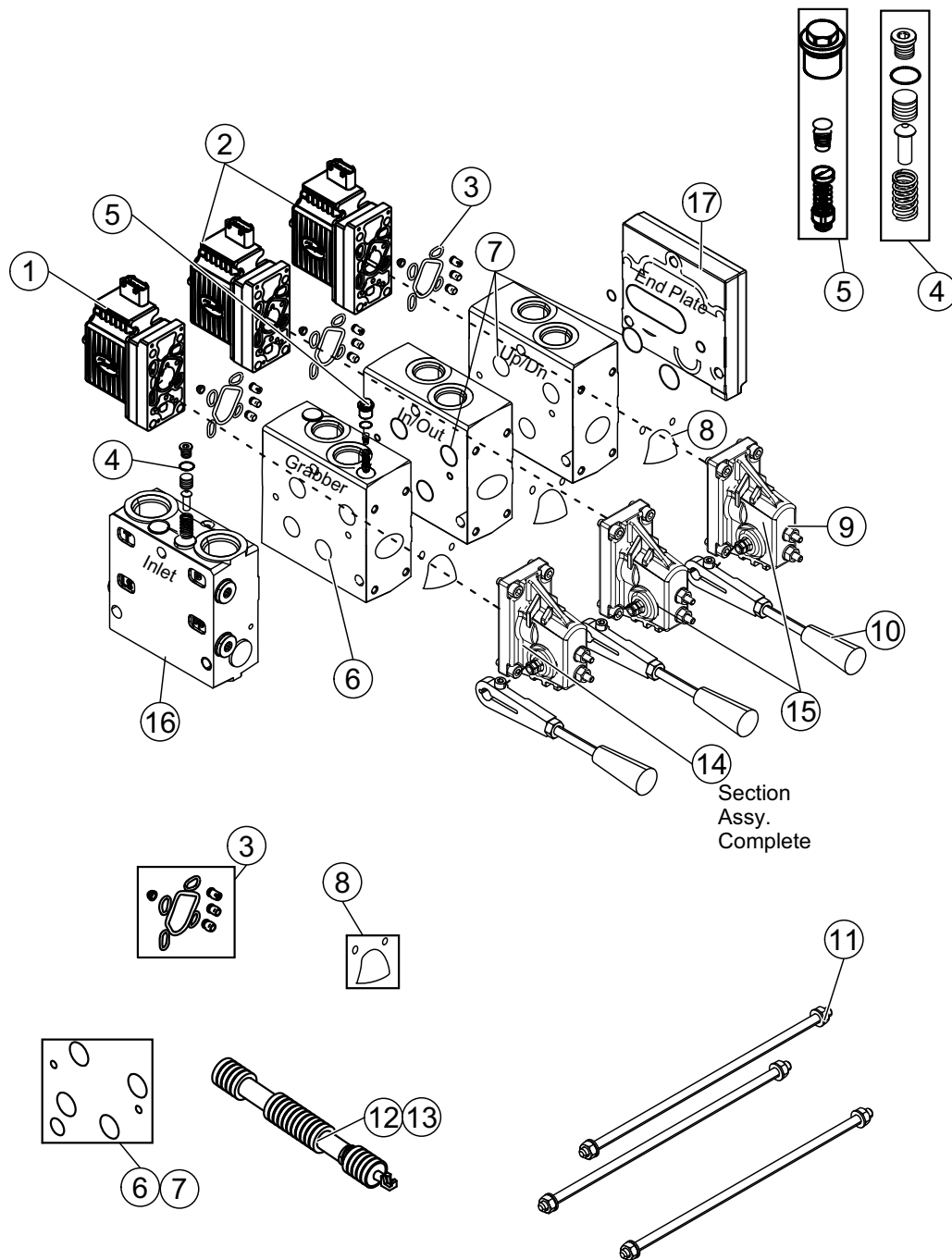
VALVE, Control - Lift Arm - HYV04409-02

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYV04338	ACTUATOR, Electric - Non Proportional (Grabber)	1
2	HYV04349	ACTUATOR, Electric - Proportional (Up/Dn & In/Out)	2
3	HYV04335-01	KIT, Seal - Electric Actuator	3
4	HYV04314	KIT, Pilot Pressure	1
5	HYV04485	KIT, Load Sense Relief	1
6	HYV04428	KIT, Seal - Inlet Section Only	1
7	HYV04429	KIT, Seal Between Section - Work Sections	3
8	HYV04330	KIT, Seal - Manual Actuator	3
9	HYV04315	ACTUATOR, Manual (All Work Sections/ Includes Handle)	3
10	HYV04316	HANDLE Only	As Reqd.
11	HYV04325	KIT, Stud (3 Work Section Assy)	1
12	HYV04360	SPOOL (Non-Proportional Section)	1
13	HYV04365	SPOOL (Proportional Section)	2
14	HYV04505	ASSY., Section - Complete (Non-Proportional Section)	1
15	HYV04529	ASSY., Section - Complete (Proportional Section)	2
16	HYV04462	ASSY., Inlet Section (Includes Item 4)	1
17	HYV04445	PLATE, End	1
	HYV04409-02	ASSEMBLED, Valve - Complete	1

SECTION 4

VALVE, Control - Lift Arm - HYV04412-02

Ref.hyv04412-02

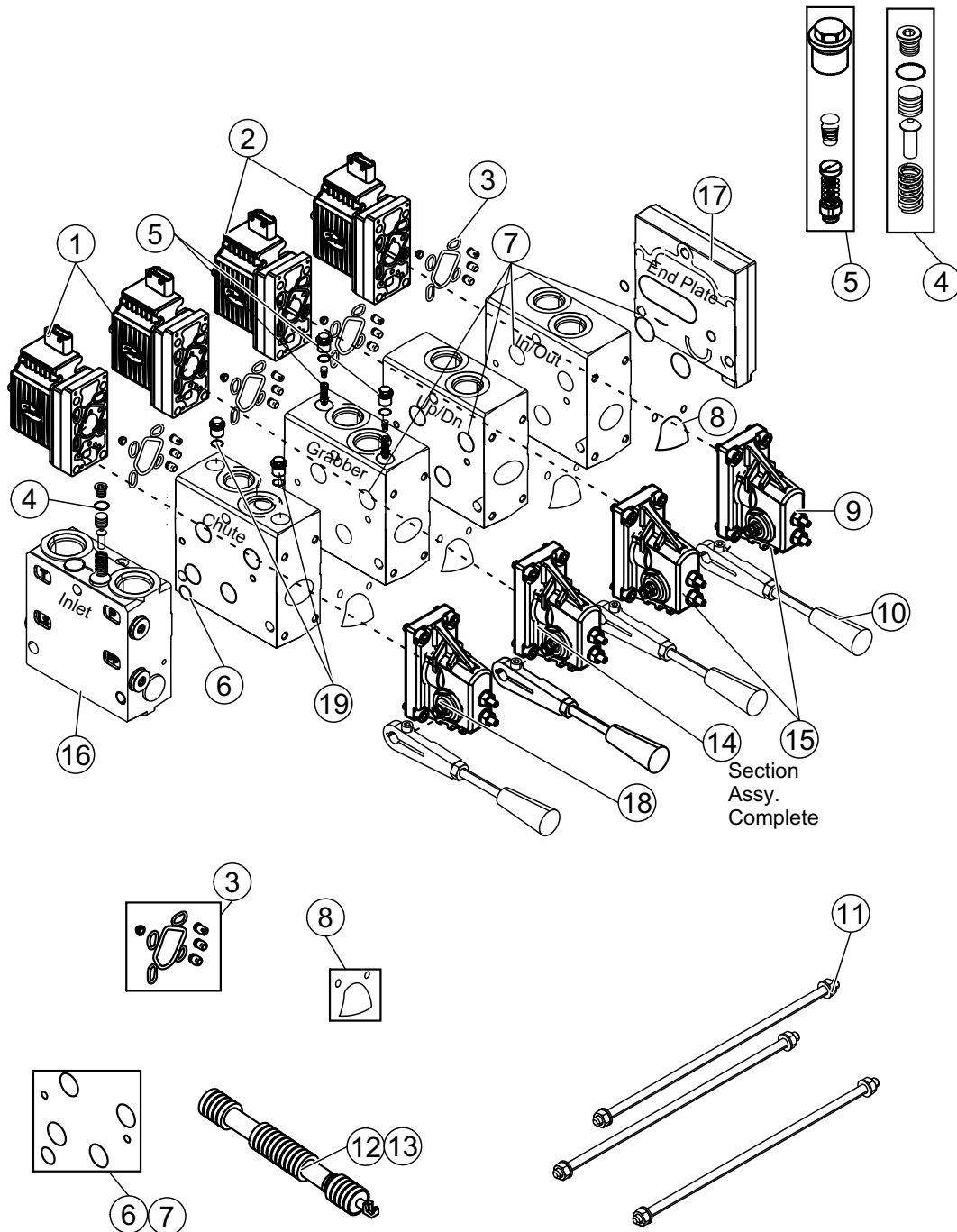


VALVE, Control - Lift Arm - HYV04412-02

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYV04338	ACTUATOR, Electric - Non Proportional (Grabber)	1
2	HYV04349	ACTUATOR, Electric - Proportional (Up/Dn & In/Out)	2
3	HYV04335-01	KIT, Seal - Electric Actuator	3
4	HYV04314	KIT, Pilot Pressure	1
5	HYV04485	KIT, Load Sense Relief	1
6	HYV04428	KIT, Seal - Inlet Section Only	1
7	HYV04429	KIT, Seal Between Section - Work Sections	3
8	HYV04330	KIT, Seal - Manual Actuator	3
9	HYV04315	ACTUATOR, Manual (All Work Sections/ Includes Handle)	3
10	HYV04316	HANDLE Only	As Reqd.
11	HYV04325	KIT, Stud (3 Work Section Assy)	1
12	HYV04360	SPOOL (Non-Proportional Section)	1
13	HYV04365	SPOOL (Proportional Section)	2
14	HYV04505	ASSY., Section - Complete (Non-Proportional Section)	1
15	HYV04529	ASSY., Section - Complete (Proportional Section)	2
16	HYV04462	ASSY., Inlet Section (Includes Item 4)	1
17	HYV04377	PLATE, End	1
	HYV04412-02	ASSEMBLED, Valve - Complete	1

SECTION 4

VALVE, Control - Lift Arm & Crusher - HYV04533

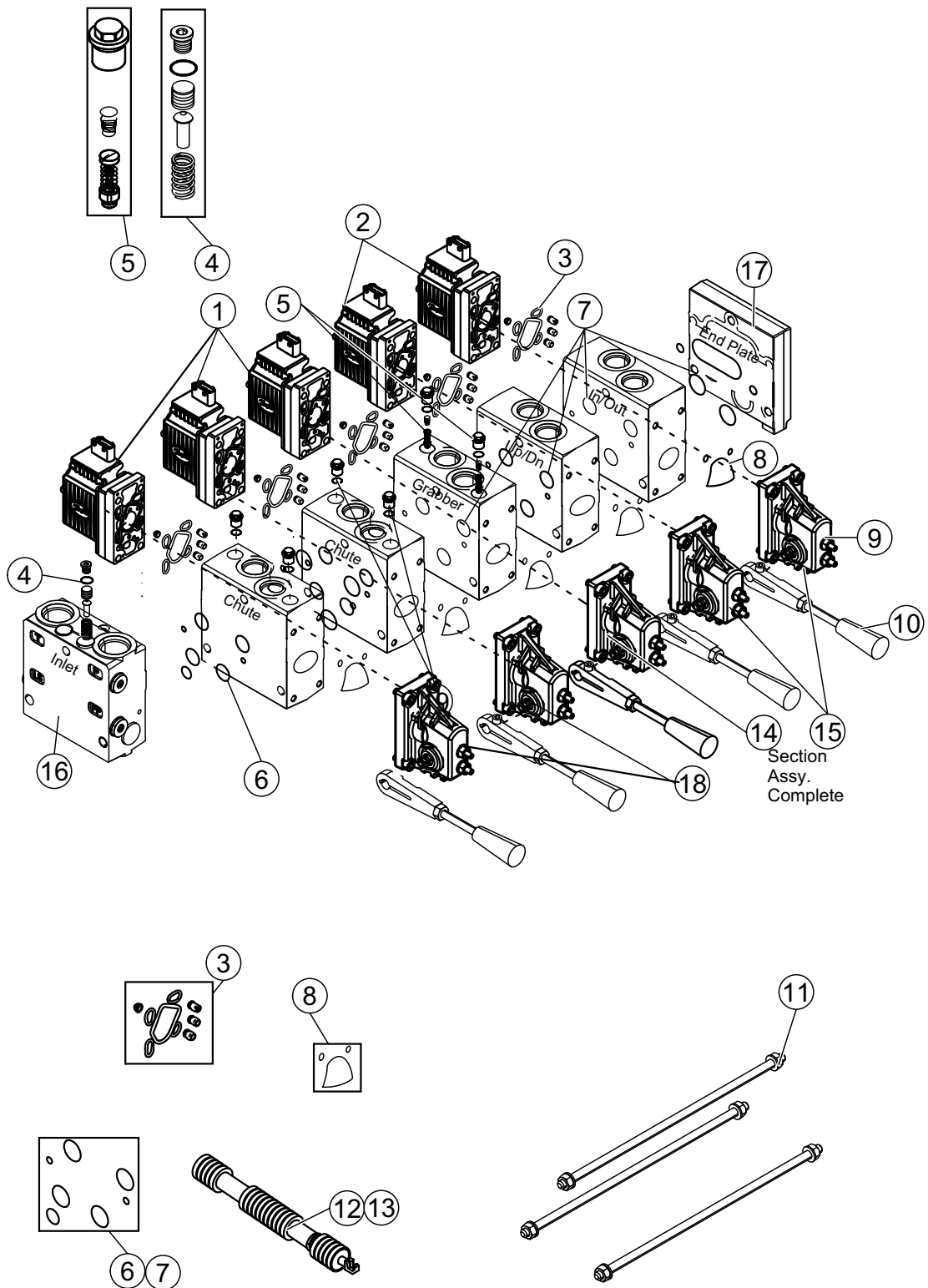


VALVE, Control - Lift Arm & Crusher - HYV04533

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYV04338	ACTUATOR, Electric - Non Proportional (Grabber/Crusher)	2
2	HYV04349	ACTUATOR, Electric - Proportional (Up/Dn & In/Out)	2
3	HYV04335-01	KIT, Seal - Electric Actuator	4
4	HYV04314	KIT, Pilot Pressure	1
5	HYV04485	KIT, Load Sense Relief	2
6	HYV04428	KIT, Seal - Inlet Section Only	1
7	HYV04429	KIT, Seal Between Section - Work Sections	4
8	HYV04330	KIT, Seal - Manual Actuator	4
9	HYV04315	ACTUATOR, Manual (All Work Sections/ Includes Handle)	4
10	HYV04316	HANDLE Only	As Reqd.
11	HYV04329	KIT, Stud (4 Work Section Assy)	1
12	HYV04360	SPOOL (Non-Proportional Section)	2
13	HYV04365	SPOOL (Proportional Section)	2
14	HYV04505	ASSY., Section - Complete (Non-Proportional Section)	1
15	HYV04529	ASSY., Section - Complete (Proportional Section)	2
16	HYV04462	ASSY., Inlet Section (Includes Item 4)	1
17	HYV04377	PLATE, End	1
18	HYV04553	ASSY., Section - Complete (Non-Proportional Section)	1
19	HYV04489	KIT, Shock Valve	2
	HYV04533	ASSEMBLED, Valve - Complete	1

SECTION 4

VALVE, Control - Lift Arm & Crusher - HYV04557



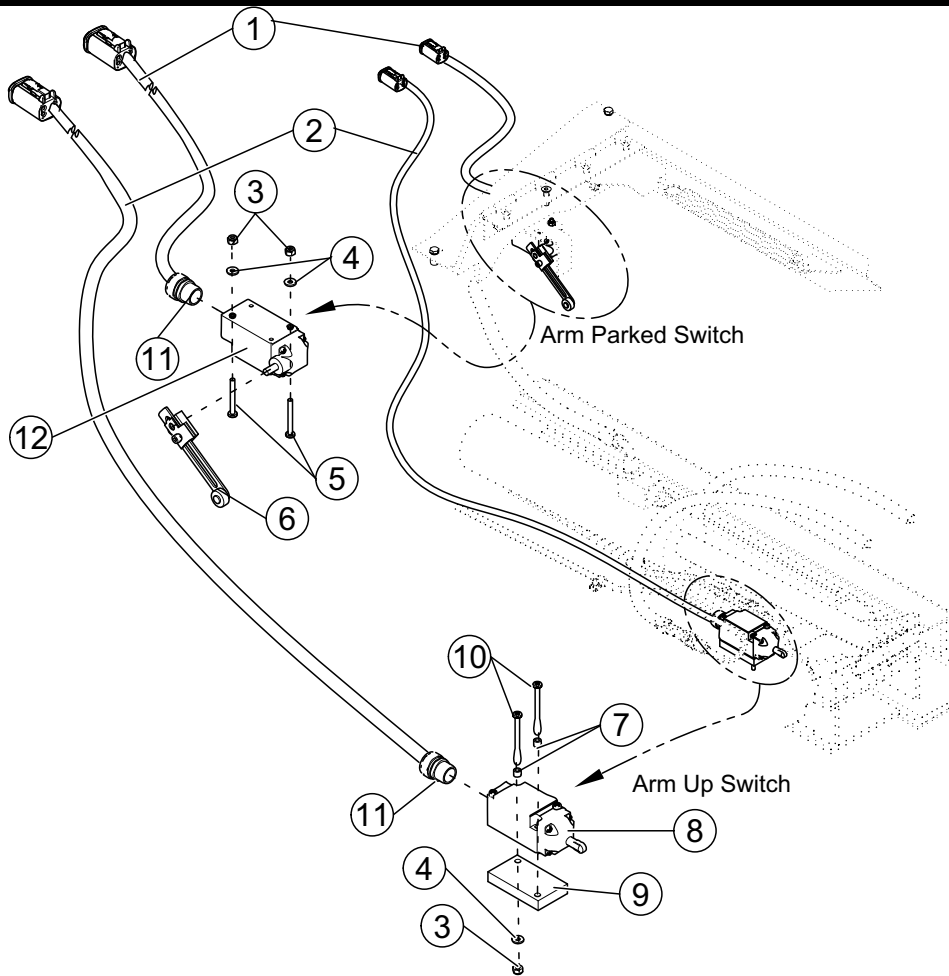
VALVE, Control - Lift Arm & Crusher - HYV04557

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYV04338	ACTUATOR, Electric - Non Proportional (Grabber/Crusher)	3
2	HYV04349	ACTUATOR, Electric - Proportional (Up/Dn & In/Out)	2
3	HYV04335-01	KIT, Seal - Electric Actuator	5
4	HYV04314	KIT, Pilot Pressure	1
5	HYV04485	KIT, Load Sense Relief	2
6	HYV04428	KIT, Seal - Inlet Section Only	1
7	HYV04429	KIT, Seal Between Section - Work Sections	5
8	HYV04330	KIT, Seal - Manual Actuator	5
9	HYV04315	ACTUATOR, Manual (All Work Sections/ Includes Handle)	5
10	HYV04316	HANDLE Only	As Reqd.
11	HYV0	KIT, Stud (4 Work Section Assy)	1
12	HYV04360	SPOOL (Non-Proportional Section)	3
13	HYV04365	SPOOL (Proportional Section)	2
14	HYV04505	ASSY., Section - Complete (Non-Proportional Section)	1
15	HYV04529	ASSY., Section - Complete (Proportional Section)	2
16	HYV04462	ASSY., Inlet Section (Includes Item 4)	1
17	HYV04377	PLATE, End	1
18	HYV04553	ASSY., Section - Complete (Non-Proportional Section)	2
19	HYV04489	KIT, Shock Valve	4
	HYV04557	ASSEMBLED, Valve - Complete	1

SECTION 5

ELECTRICAL

Ref.

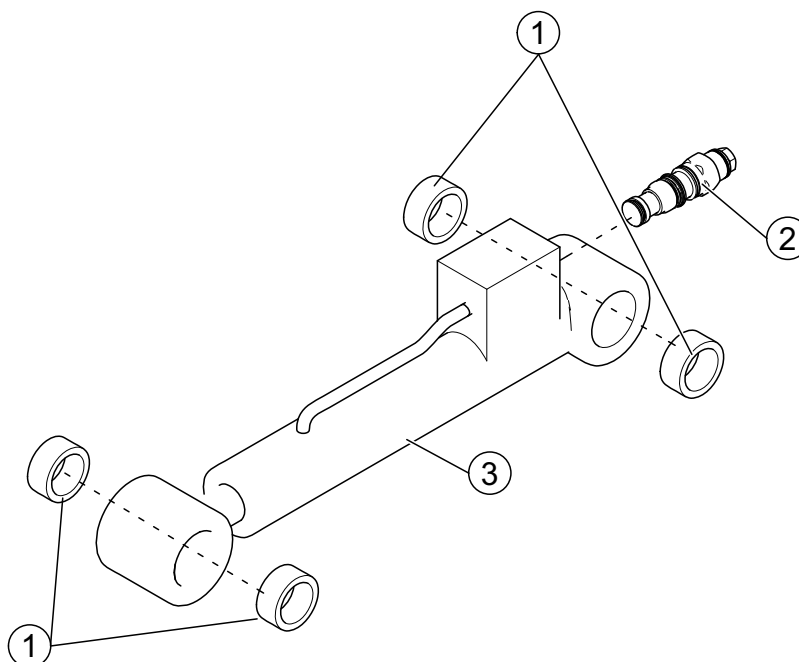


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	27584	HARNESS	1
2	27744	HARNESS	1
3	QUE01070	NUT	3
4	QUR01600	WASHER	3
5	QUV00747	CAPSCREW, Round Head	2
6	ELI00852	ACTUATOR	1
7	QUB47500	SPACER	2
8	ELI00530-01	SWITCH, Limit (Roller Actuated)	1
9	64677	SPACER	1
10	QUV00768	CAPSCREW, Round Head	2
11	ELC00140	CONNECTOR, Cable	2
12	ELI00550-01	SWITCH, Limit (Arm Parked)	1

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SECTION 6**CYLINDER, Grabber**

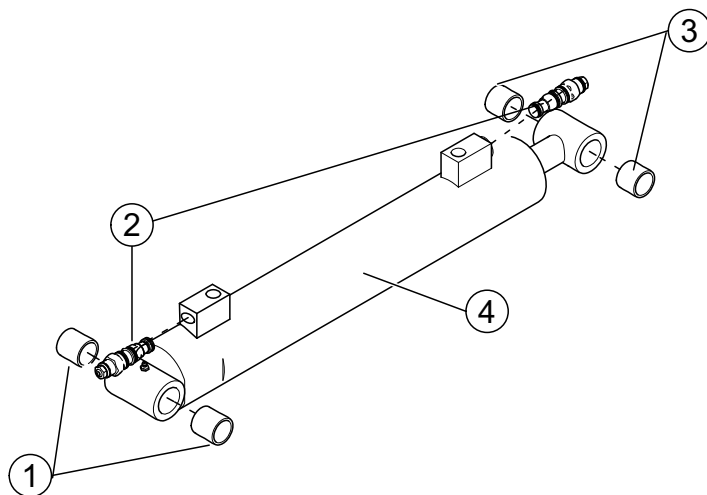
Ref.hyc00235



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB00166	BUSHING	4
2	HYV02667	CARTRIDGE, Counterbalance	1
3	HYC00235	ASSY, Grabber Cylinder (Complete)	1
	HYJ00166	KIT, Seal	

Ref.HYC00356

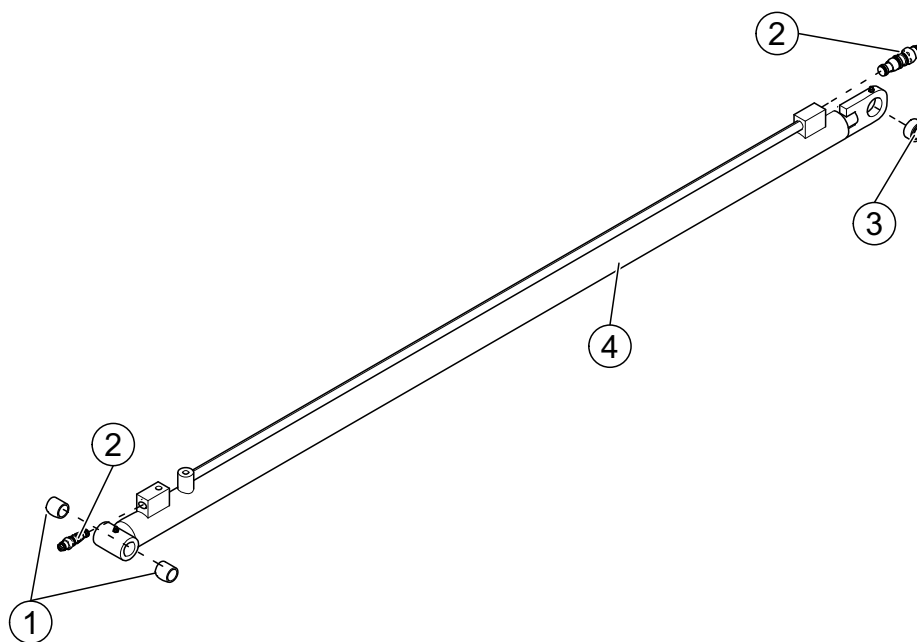
CYLINDER, Arm Lift



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYC08001	BUSHING (Case End)	2
2	HYC02660	CARTRIDGE, Cushion	2
3	HYC08000	BUSHING (Rod End)	2
4	HYC00356	ASSY., Arm Lift Cylinder (Complete)	1
	HYJ00356	KIT, Seal	

SECTION 6**CYLINDER, Inside Extend/Retract** (Std. & Long Reach)

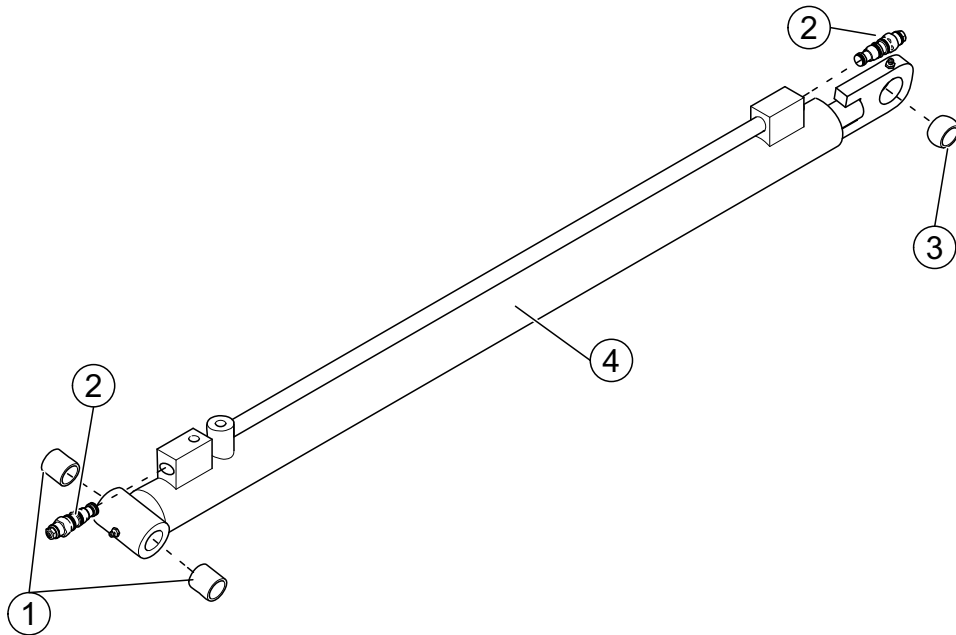
Ref.hyc00191



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYC08002	BUSHING (Case End)	2
2	HYC02660	CARTRIDGE, Cushion	2
3	HYV08003	BEARING (Rod End Spherical)	1
4	HYC00191	ASSY., Inside Ext/Ret Cylinder (Complete)	1
	HYJ00191	KIT, Seal	

Ref.HYC00219

CYLINDER Outside Frame Extend/Retract (Long Reach)



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYC08002	BUSHING (Case End)	2
2	HYC02660	CARTRIDGE, Cushion	2
3	HYC08003	BEARING (Rod End Spherical)	1
4	HYC00219	ASSY., Outside Frame Ext/Ret Cylinder (Complete)	1
	HYJ00191	KIT, Seal	1



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Canada Parts: labriepplusQC@labriegroup.com
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TECHNICAL SUPPORT SERVICE

Toll Free: 1-877-831-8250
(24-hour Emergency Support)

