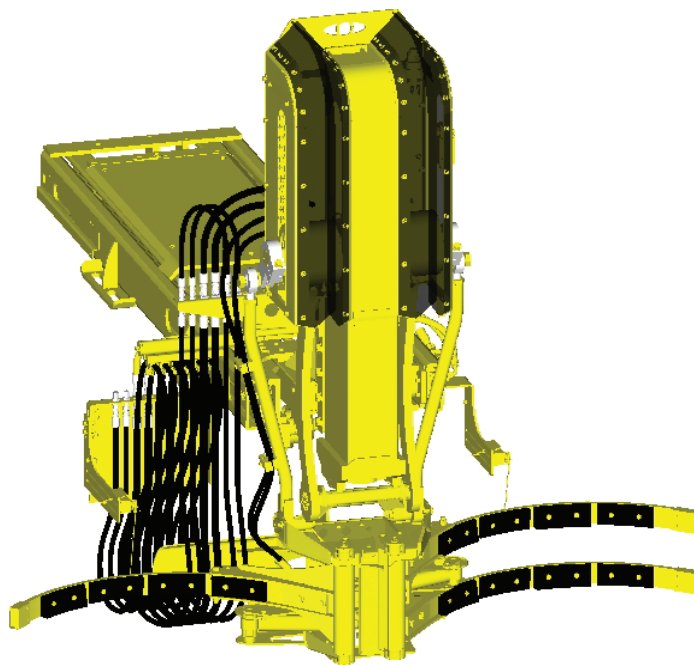


Parts Manual



HEAVY DUTY RIGHT HAND ARM



equipment for the solid waste industry



labrie*plus*

Thank you for your purchase of a new Labrie Heavy Duty Right Hand. To ensure maximum reliability, Insist on genuine **labrie*plus*** replacement parts. Labrie Plus 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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Labrie **Enviroquip** Group

equipment for the solid waste industry



1

WITTKE

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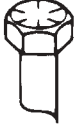
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CAPSCREW MARKING AND TORQUE VALUES

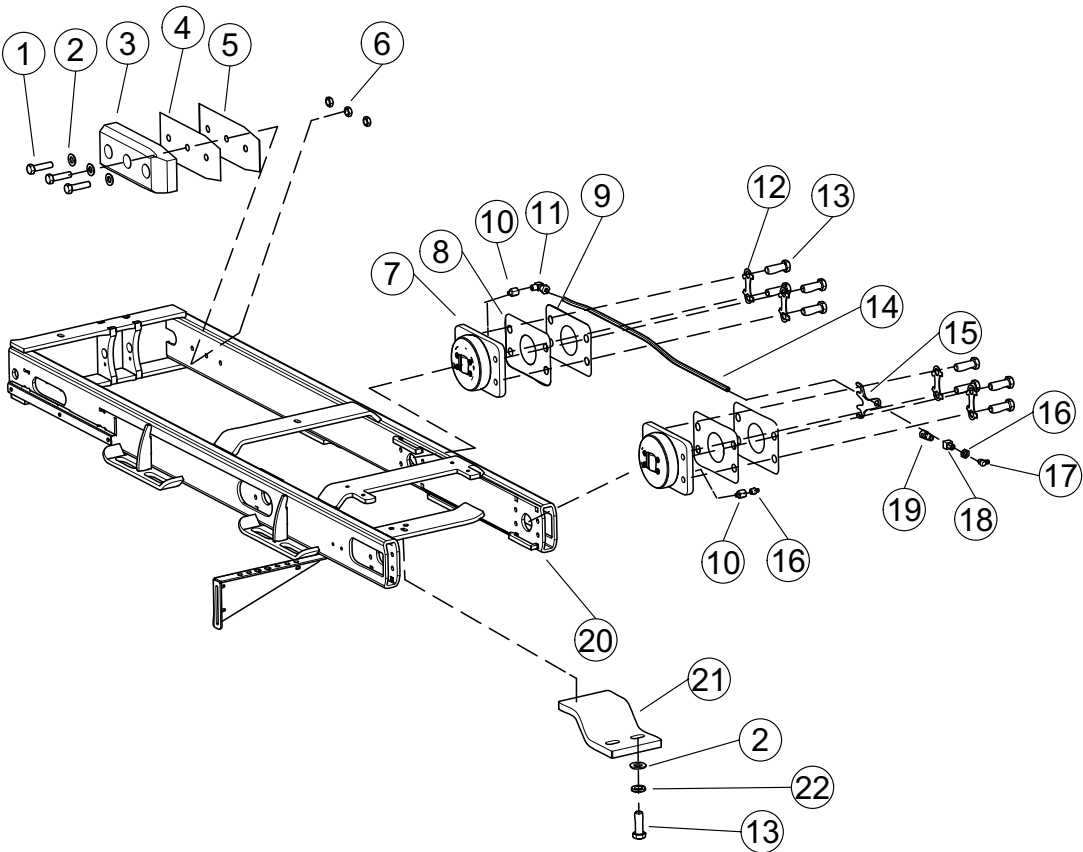
Usage	Much Used	Used at Times	Used at Times
Capscrew Diameter & Minimum Tensile Strength PSI	To 3/4 - 120,000 To 1 - 115,000	To 5/8 - 140,000 To 3/4 - 133,000	150,000
Quality of Material	Min. Commercial	Med. Commercial	Best Commercial
SAE Grade Number	5	6 or 7	8
CAPSCREW HEAD MARKINGS Manufacturers marks 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.

SECTION 1

OUTER FRAME - BCB01170-00,-01,-02 and BCB01180-00,-01,-02 BCB01181-00

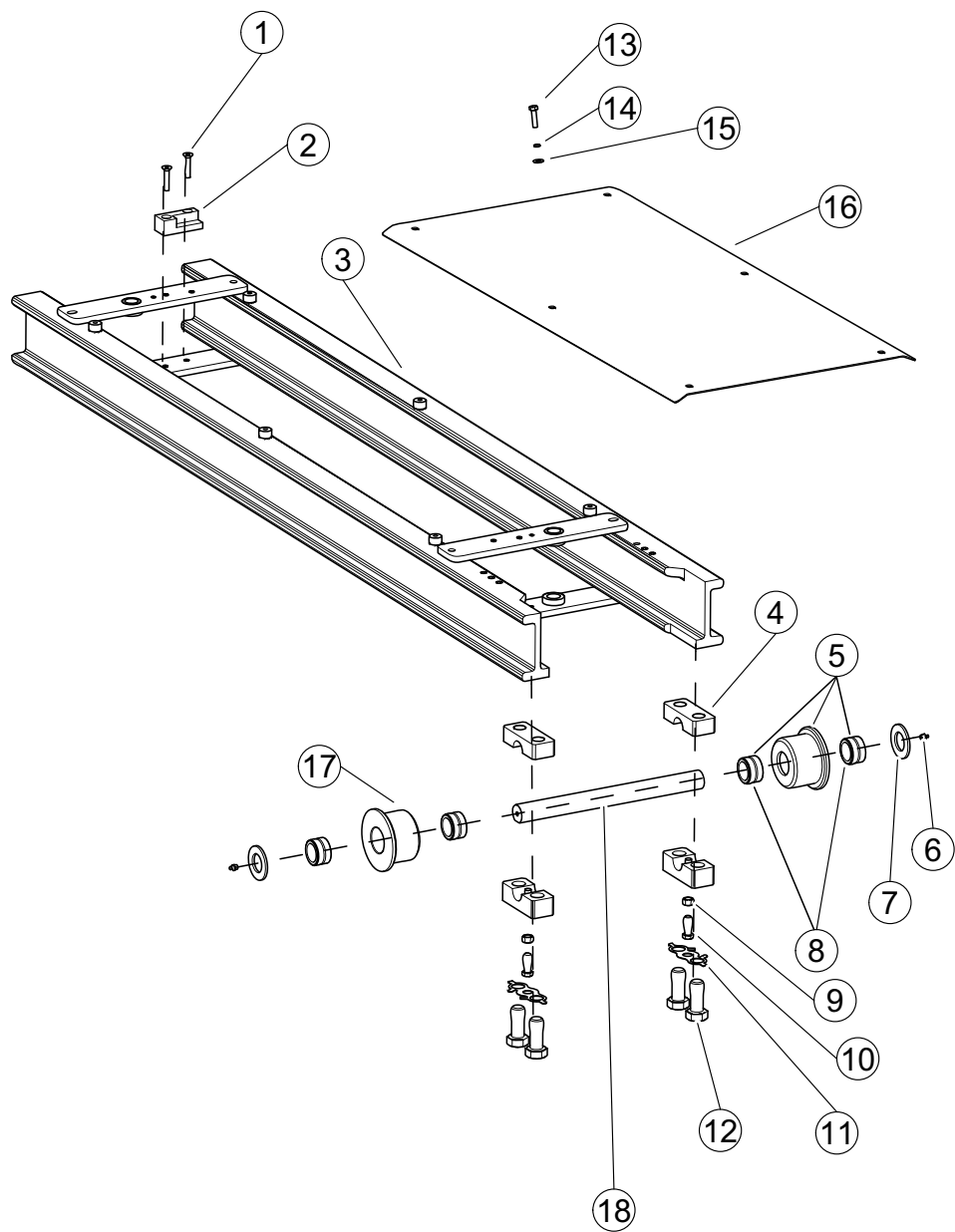


SECTION 1**OUTER FRAME** - ARMS BCB01170-00,-01,-02 and BCB01180-00,-01,-02 and BCB001181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB06250	BOLT	6
2	QUR01905	WASHER	8
3	HYV30242	GUIDE - Plastic	2
4	HYV30216	SHIM - 26 Ga. (.022")	2
5	HYV30215	SHIM - 22 Ga. (.034")	2
6	QUE00505	NUT	6
7	HYV30201	BEARING	4
8	HYV30203	SHIM - 22 Ga. (.034")	4
9	HYV30204	SHIM - 24 Ga. (.028")	4
10	BCB10028	ADAPTER	4
11	PNF04100	ELBOW	2
12	HYV30252	RETAINER, Bolt	4
13	QUB04502	BOLT	18
14	PNB00600	TUBING - Plastic	PER INCH
15	PNF02800	CONNECTOR	2
16	BCB01488	ADAPTER, Bulkhead	2
17	QUG00200	FITTING, Grease - straight	2
18	QUG00450	FITTING, Grease - 90°	2
19	145268	BRACKET	2
20	84797	FRAME, Outer	1
21	BCB10082	BRACKET	2
22	QUR01300	WASHER	2

SECTION 1

CENTER FRAME - ARMS BCB01170-00 and BCB01180-00 and BCB01181-00

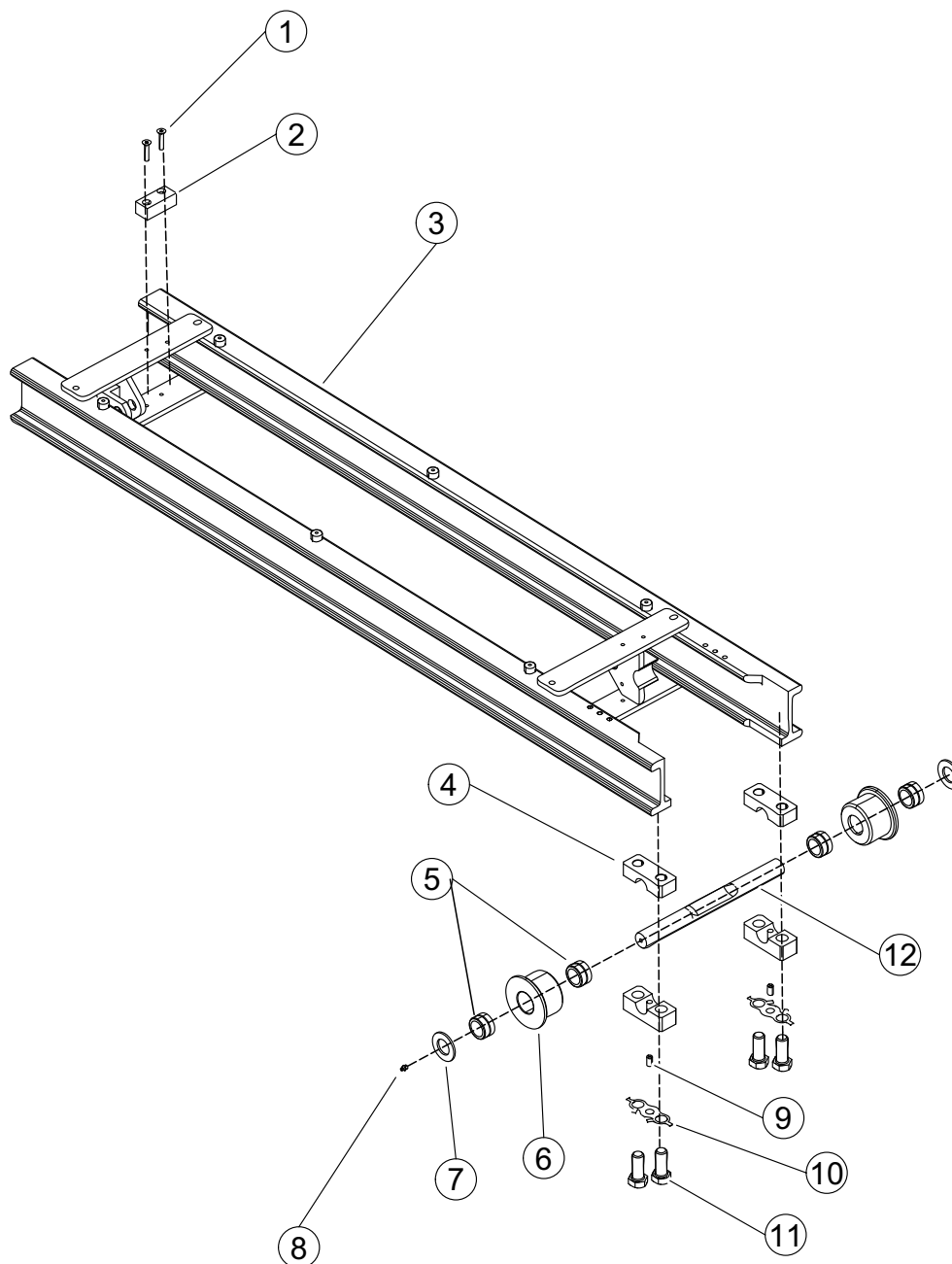


CENTER FRAME -ARMS BCB01170-00 and BCB01180-00 and BCB01181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUV02723	BOLT	2
2	145289	BRACKET	1
3	84829	FRAME - Center	1
4	84772	ASSEMBLY, Pillow Block (Includes Item 12)	2
5	143250	ASSEMBLY, Roller (Includes Item 8 & 17)	2
6	QUG00200	FITTING, Grease	2
7	HYV30249	WASHER	2
8	HYV30183	BEARING	4
9	QUE00500	NUT	2
10	QUB04500	BOLT	2
11	HYV30261	RETAINER	2
12	QUB14880	BOLT	4
13	QUB02900	BOLT	6
14	QUR01270	WASHER	6
15	QUR01800	WASHER	6
16	HYV30188	COVER	1
17	143251	ROLLER	2
18	143254	SHAFT	1

SECTION 1

CENTER FRAME - ARMS BCB01170-01 & -02 and BCB01180-01 & -02

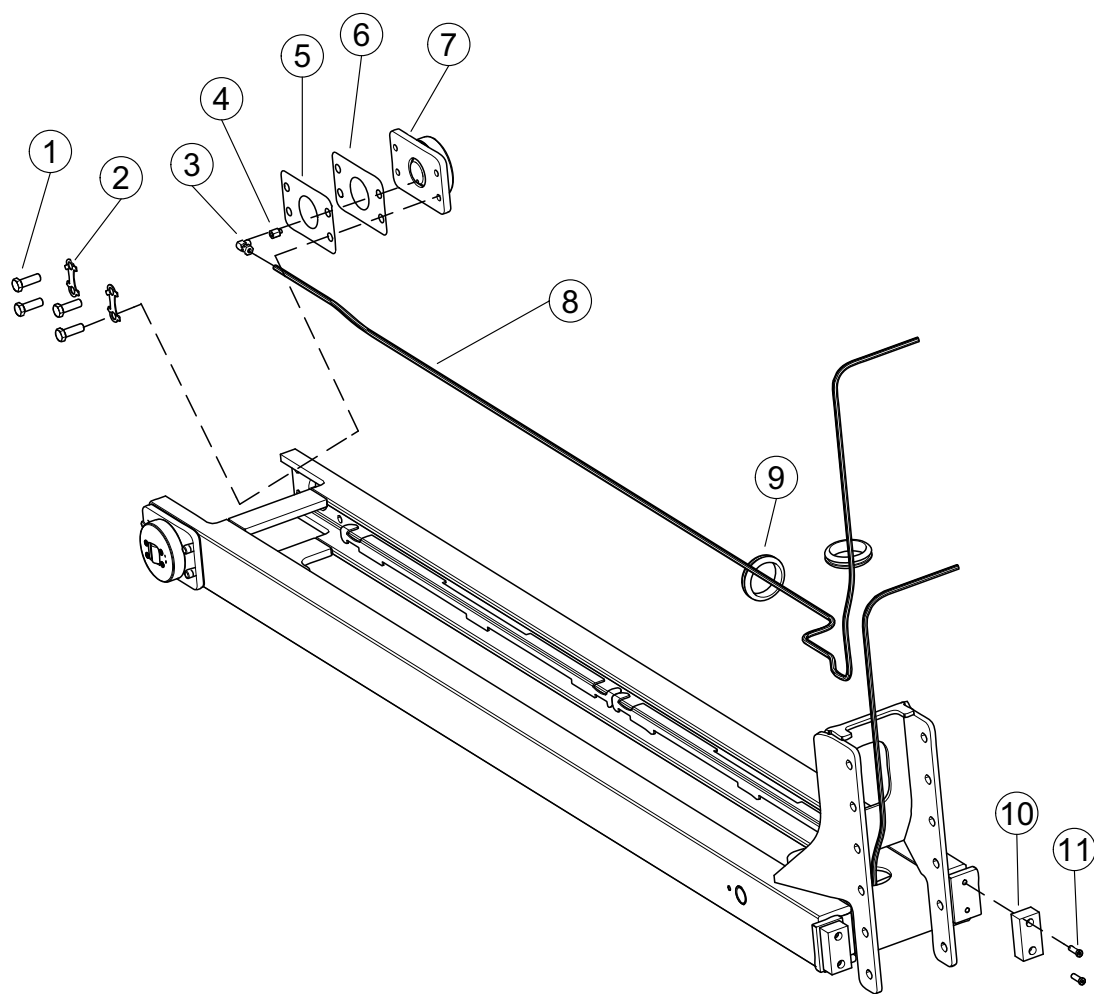


CENTER FRAME - ARMS BCB01170-01 & -02 and BCB01180-01 & -02

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUV02723	BOLT	2
2	155697	SUPPORT	1
3	155693	FRAME	1
4	84773	SUPPORT	4
5	HYV30183	BEARINGS	4
6	143251	BEARING HOUSING	2
7	HYV30249	WASHER	2
8	QUG00200	SET SCREW	2
9	QUV02888	BOLT	2
10	HYV30261	PLATE	2
11	QUB14880	BOLT	4
12	154712	ROD	1

SECTION 1

INNER FRAME - BCB01170-00,-01,-02 and BCB01180-00,-01,-02 BCB01181-00



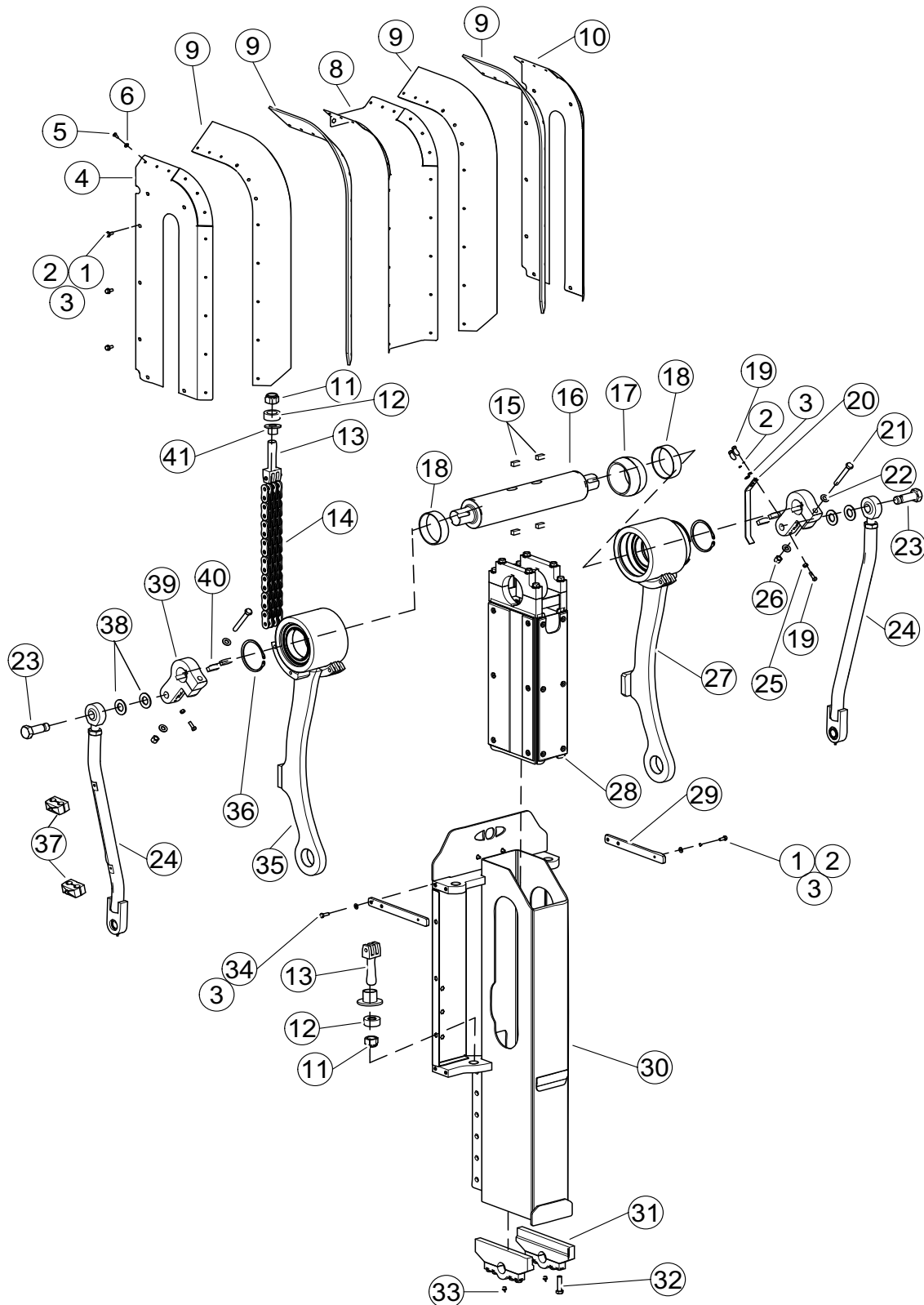
SECTION 1**INNER FRAME -** BCB01170-00,-01,-02 and BCB01180-00,-01,-02 and BCB01181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB04502	BOLT	8
2	HYV30252	RETAINER	4
3	PNF04100	ELBOW	2
4	BCB10028	ADAPTER	2
5	HYV30203	SHIM - 22 Ga. (.034")	2
6	HYV30204	SHIM - 24 Ga. (.028")	2
7	HYV30201	BEARING	2
8	PNB00600	TUBING - Plastic	PER INCH
9	QUG02600	GROMMET	2
10	BCB01424	BUMPER	2
11	QUV02774	BOLT	4

SECTION 1

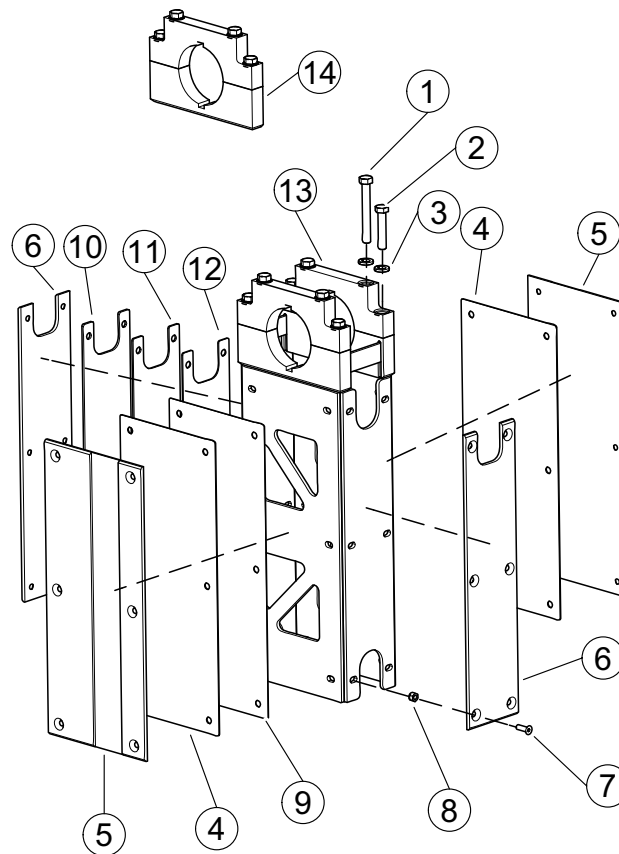
ARM MAST

- ARMS BCB01170-00,-01,-02 and BCB01180-00,-01,-02 and BCB01181-00,-01,-02, and BCB01181-00



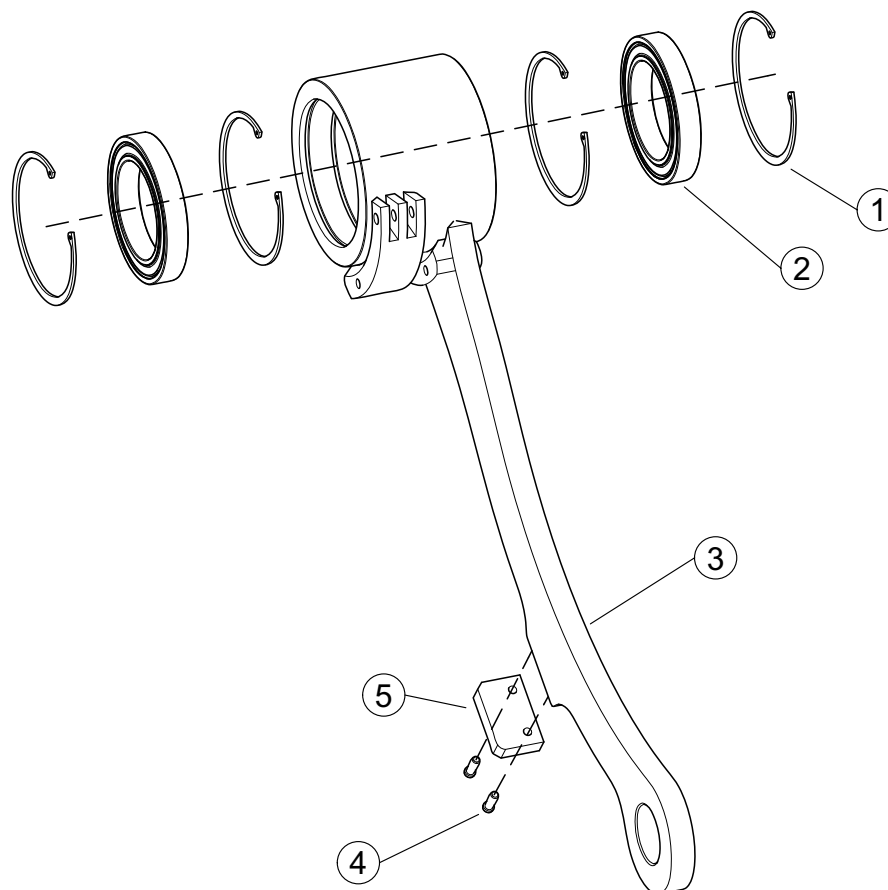
ARM MAST - ARMS BCB01170-00,-01,-02 and BCB01180-00,-01,-02 and BCB01181-00,-01,-02, and BCB01181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB02701	BOLT	14
2	QUR01270	WASHER	22
3	QUR01800	WASHER	22
4	84898	GUARD - L.H.	1
5	QUR04238	RIVET	44
6	QUR01690	WASHER	44
10	84902	GUARD R-H	
9	85332	GUARD, Rubber - L.H. & R-H	4
8	84897	GUARD CENTER	
11	QUE01813	NUT, Lock	4
12	84786	SPACER	4
13	84883	YOKE, Chain	4
14	QUC00413	CHAIN, Upper	2
14	QUC00415	CHAIN, Lower	2
14	QUC0411	CHAIN, LINK	4
15	84819	KEY REPLACED BY BCH0221	4
16	84850	SHAFT	1
17	84916	BEARING, Spherical	1
18	84785	SPACER	2
19	QUB02800	BOLT	4
20	84875	BRACKET, Acuator	1
21	QUB04865	BOLT	2
22	QUR01905	WASHER	4
23	84915	BOLT	2
24	85286	LINK ARM	2
25	QUE00300	WASHER	2
26	QUE01500	NUT	2
27	84905	ASSEMBLY, Guide - L.H.	1
28	84852	ASSEMBLY, Inner Tube	1
29	84885	BRACKET, Guard	4
30	84861	HOUSING (Includes Items 31, 32 and 33)	1
31	84678	PILLOW BLOCK (Must replace entire block)	2
32	QUB04700	BOLT	8
33	QUG00200	FITTING, Grease	2
34	QUB02801	BOLT	8
35	84870	ASSEMBLY, Guide - R.H.	1
36	QUR02440	SNAP RING	2
37	HYS00620	SUPPORT, Hose	2
38	QUR02102	WASHER	4
39	76195	PIVOT CLAMP KNUCKLE	2
40	84820	KEY REPLACED BY BCH02230	4
41	84907	BUSHING	4

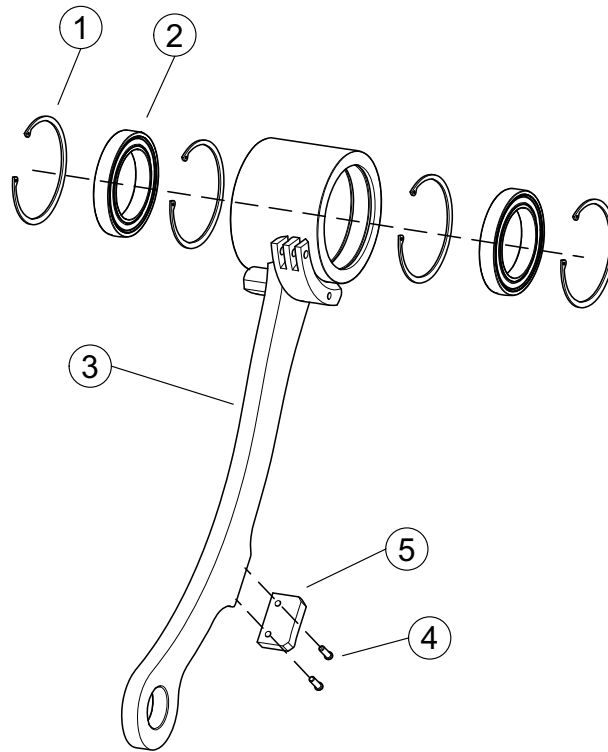
SECTION 1**INNER TUBE ASSEMBLY** - ARMS BCB01170-00,-01,-02- AND BCB01180-00,-01,-02 AND BCB01181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB04860	BOLT	4
2	QUB04800	BOLT	4
3	QUR01300	WASHER	8
4	84856	SHIM - 16 Ga. (.064")	A/R
5	84855	WEAR PLATE - Plastic	2
6	84884	WEAR PLATE - Plastic	2
7	QUV02606	BOLT - Flat Head	24
8	QUE01200	NUT	24
9	84910	SHIM - 20 Ga. (.040")	A/R
10	84858	SHIM - 10 Ga. (.138")	A/R
11	84912	SHIM - 12 Ga. (.108")	A/R
12	84913	SHIM - 14 Ga. (.079")	A/R
13	84853	ASSEMBLY, Inner Tube - (Includes Items 1,2,3 & 14)	1
14	84857	PILLOW BLOCK (Must replace entire block)	2

GUIDE ASSEMBLY - L.H. - ARMS BCB01170-00,-01,-02 and BCB01180-00,-01,-02,-03 BCB01180-00

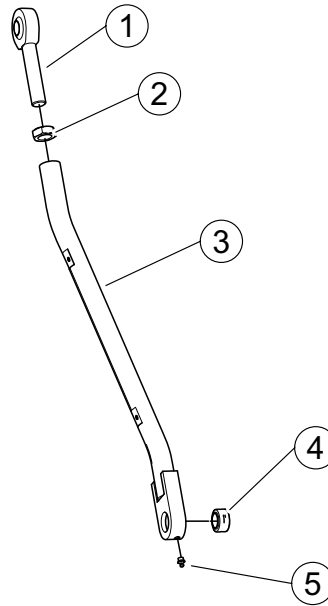


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUR02455	RETAINER RING	4
2	QUR01248	BEARING	2
3	84906	GUIDE ARM WELDMENT	1
4	QUV02774	BOLT	2
5	84805	PAD	1
	84905	ASSY, Guide Arm - L.H. (Includes all of above)	1

SECTION 1**GUIDE ASSEMBLY R.H.** - ARMS BCB01170-00,-01,-02 and BCB01180-00,-01,-02 and BCB01181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUR02455	RETAINER RING	4
2	QUR01248	BEARING	2
3	84871	GUIDE ARM WELDMENT	1
4	QUV02774	BOLT	2
5	84805	PAD	1
	84870	ASSY, Guide Arm - R.H. (Includes all of above)	1

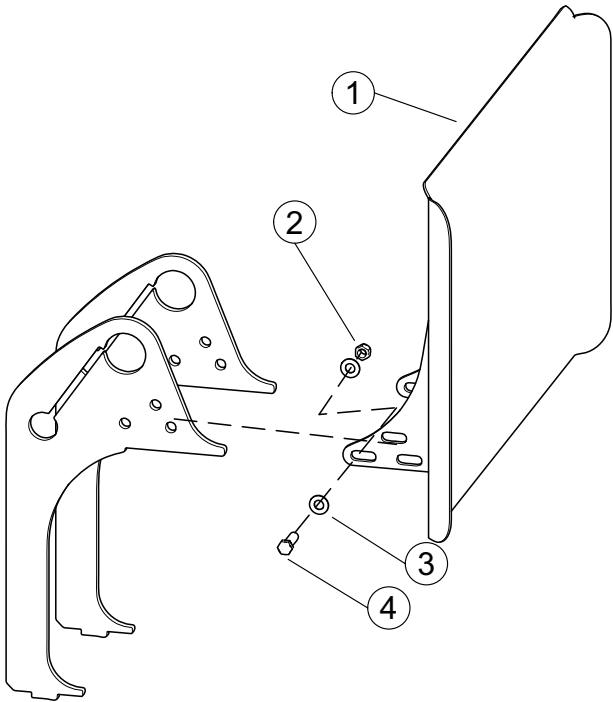
LEVELING ARM - ARMS BCB01170-00,-01,-02 and BCB01180-00,-01,-02 BCB01181-00



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUT00200	ROD END	1
2	QUE01951	NUT	1
3	85285	ARM	1
4	QUR01216	BEARING	1
5	QUG0020	GREASE FITTING	1
	85286	ASSEMBLY, Leveling Arm - Complete	1

SECTION 1

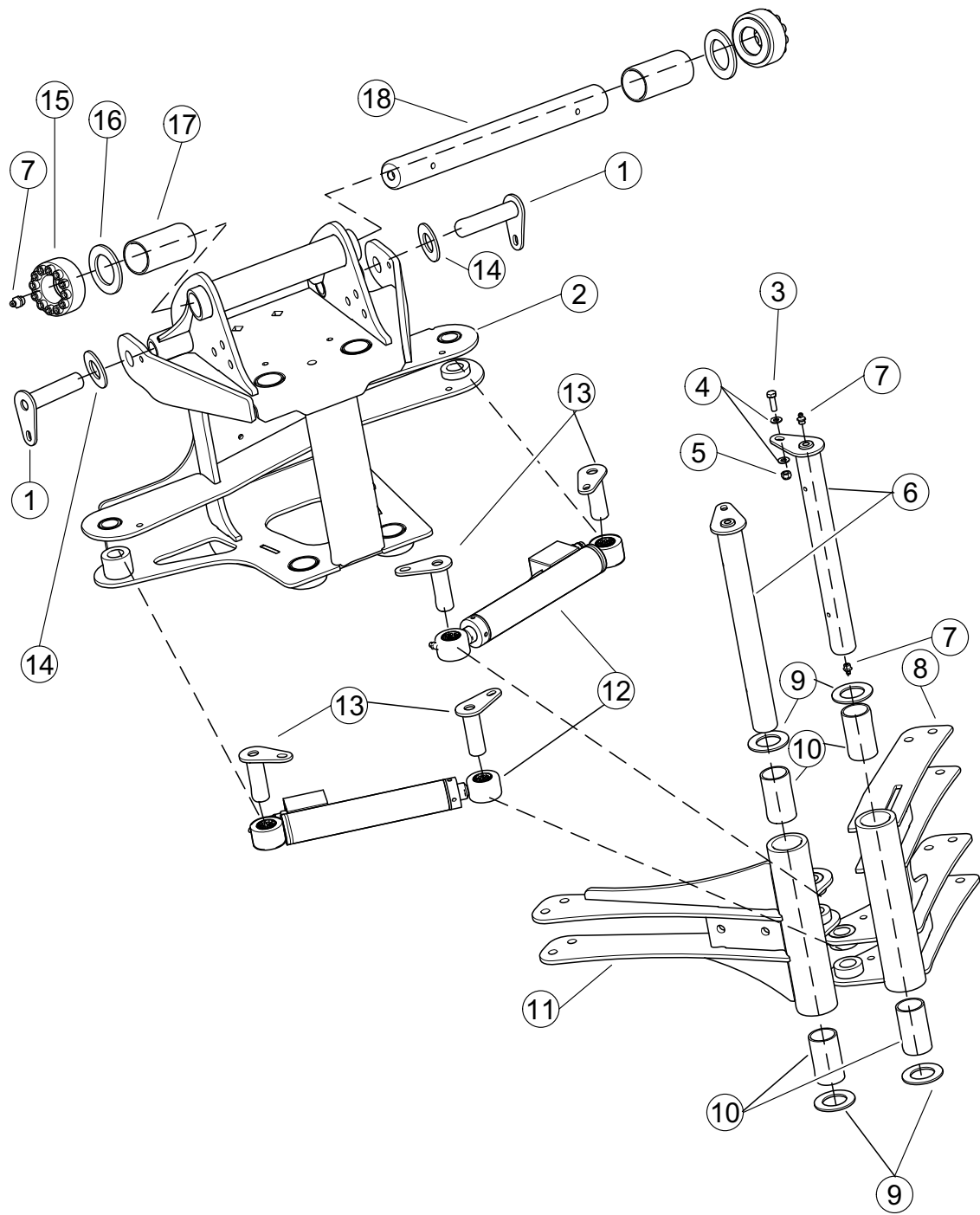
DEFLECTOR- AII



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	85273	DEFLECTOR	1
2	QUE01440	NUT	6
3	QUR01850	WASHER	12
4	QUB04300	BOLT	6

SECTION 2

GRABBER ASSEMBLY - ARMS BCB01170-00,-01,-02 and BCB01180-00,-01,-02

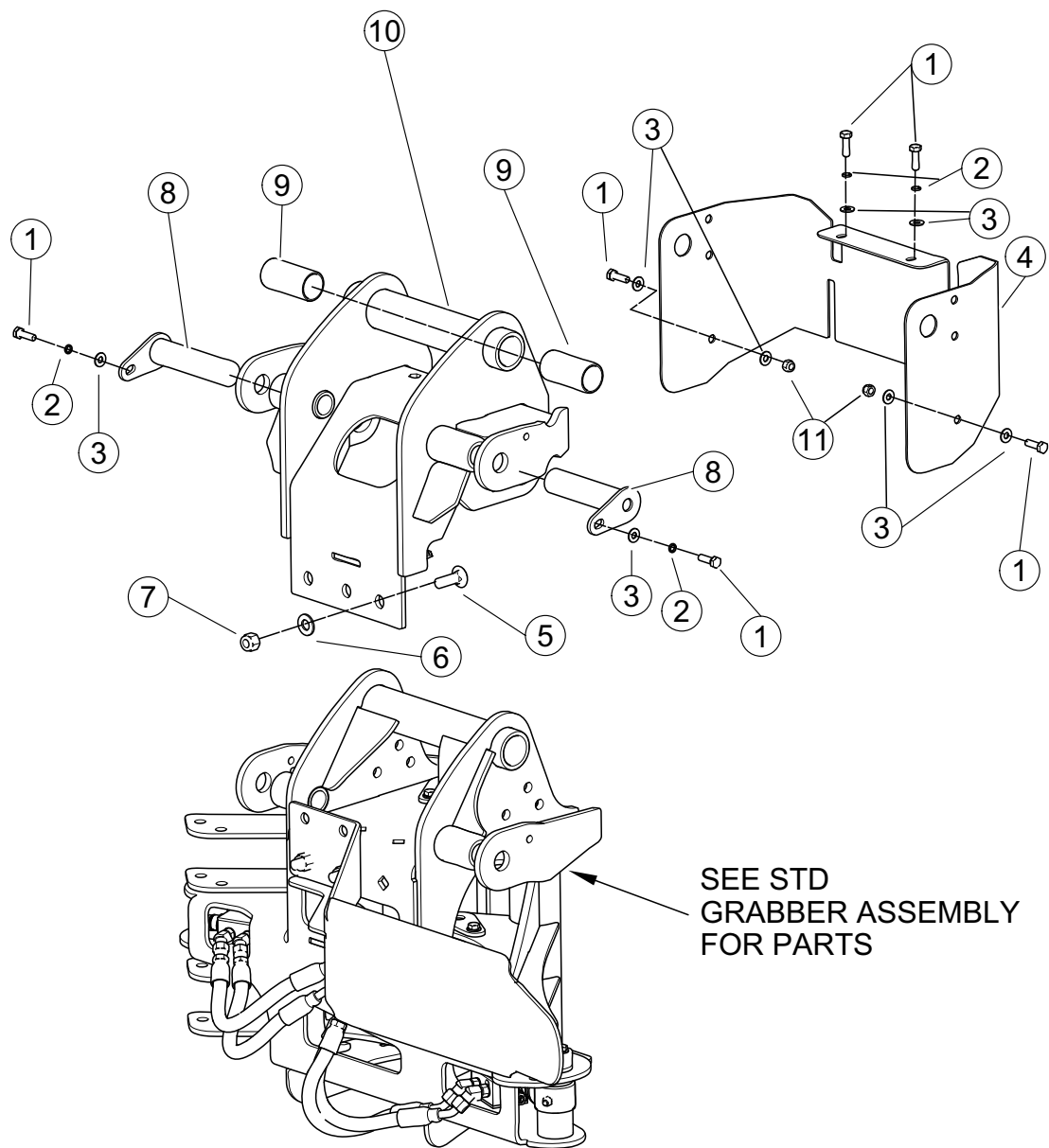


GRABBER ASSEMBLY -ARMS BCB01170-00,-01,-02 and BCB01180-00,-01,-02

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	64502	PIN, Leveling Arm	2
2	84962	GRABBER FRAME	1
3	QUB02800	BOLT	8
4	QUR01800	WASHER	16
5	QUE01200	NUT	8
6	85339	PIN, Pivot	2
7	QUG00200	FITTING, Grease	6
8	85272	PIVOT Assy. - Double - (INCLUDES ITEM 10)	1
9	QUB00459	WASHER	4
10	QUB00482	BUSHING	4
11	85271	PIVOT Assy. - Single - (INLCUDES ITEM 10)	1
12	HYC00965	CYLINDER	2
13	64686	PIN, Cylinder	4
14	QUB00457	WASHER	2
15	QUB00493	SHAFT Connector - B-LOC	2
16	QUB00465	WASHER	2
17	QUB00462	BUSHING	2
18	84984	PIN, Grabber Pivot	1

SECTION 2

GRABBER EXTENSION - ARM BCB01181-00

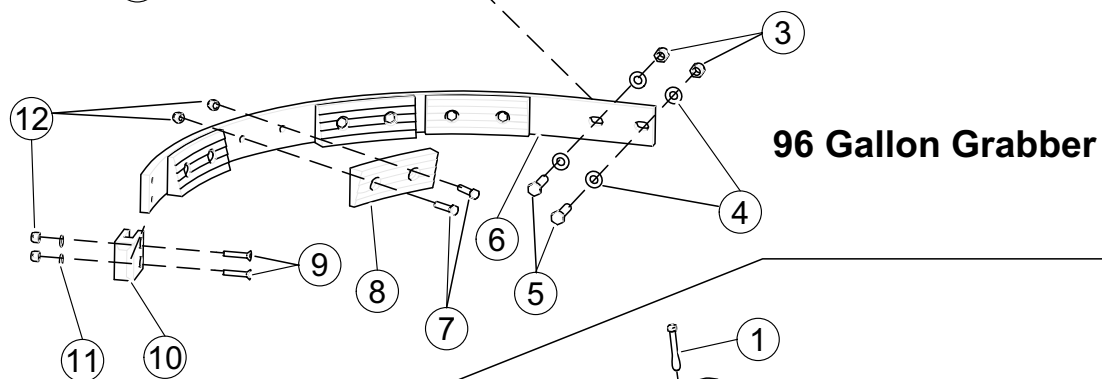
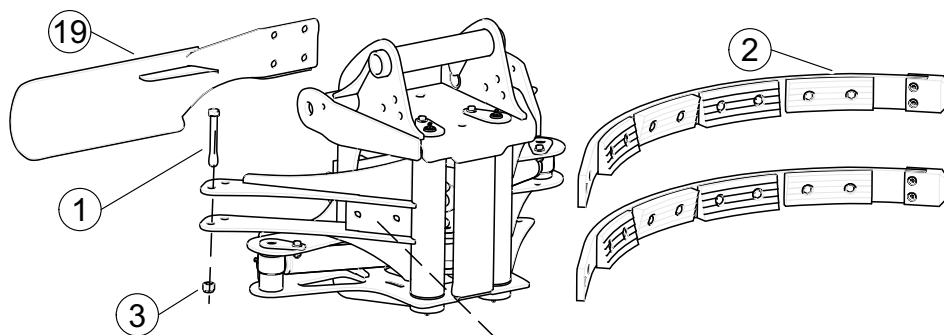


GRABBER EXTENSION - ARM BCB01181-00

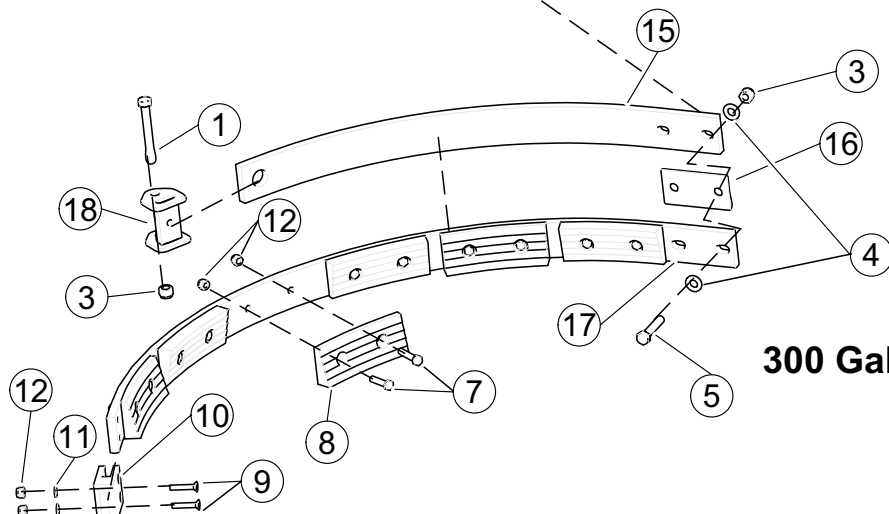
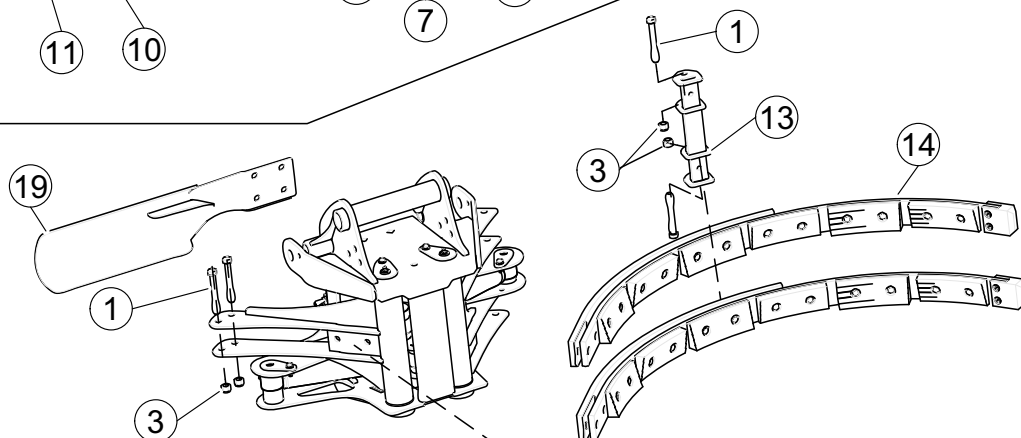
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB02802	BOLT	6
2	QUR01270	NUT	4
3	QUR01825	WASHER	8
4	85257	COVER	1
5	QUB12050	BOLT	3
6	QUR01905	WASHER	3
7	QUE01500	NUT	3
8	64559	PIN	2
9	QUB00462	BEARING	2
10	154695	FRAME INCLUDES #9	1

SECTION 2

GRABBER - 96 & 300 Gallon - BCB01170-00,-01,-02 and 300- BCB01180-00,-01,-02 and BCB01181-00



96 Gallon Grabber



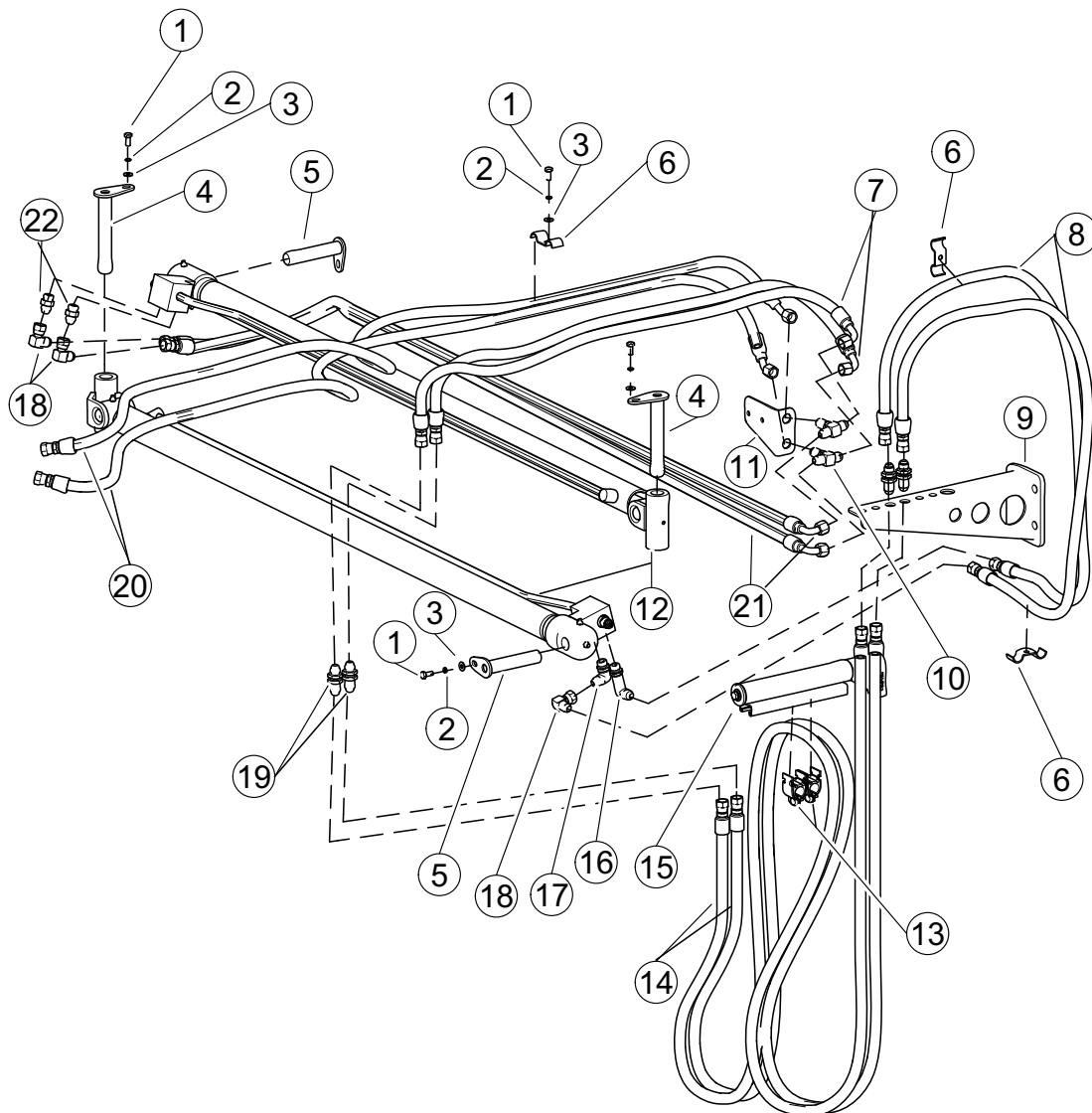
300 Gallon Grabber

SECTION 2**GRABBER - 96 & 300 Gallon - BCB01170-00,-01,-02 and 300- BCB01180-00,-01,-02 and BCB01181-00**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB04865	BOLT	A/R
2	85278	ASSEMBLY, Grabber - 96 Gallon (Includes Items 6 Thru 12)	3
3	QUE01500	NUT	A/R
4	QUR01905	WASHER	A/R
5	QUB04700	BOLT	A/R
6	85254	GRABBER - 96 Gallon	3
7	QUB03600	BOLT	A/R
8	BCB01485	GRABBER BLOCK	A/R
9	QUV02640	BOLT	A/R
10	97011	GUARD, End	3
11	QUR01800	WASHER	A/R
12	QUE01300	NUT	A/R
13	84996	GUIDE, Grabber - Dual	1
14	85263	ASSEMBLY, Grabber - 300 Gallon (Includes Items 7 Thru 12 & 17)	3
15	84969	SPRING, Backing	3
16	85350	SPACER	3
17	84966	GRABBER - 300 Gallon	3
18	84992	GUIDE, Grabber - Single	1
19	154100	HOSE GUARD	1

SECTION 3

EXTEND/RETRACT HYDS. - ARMS BCB01170-00 and BCB01180-00 and BCB01181-00

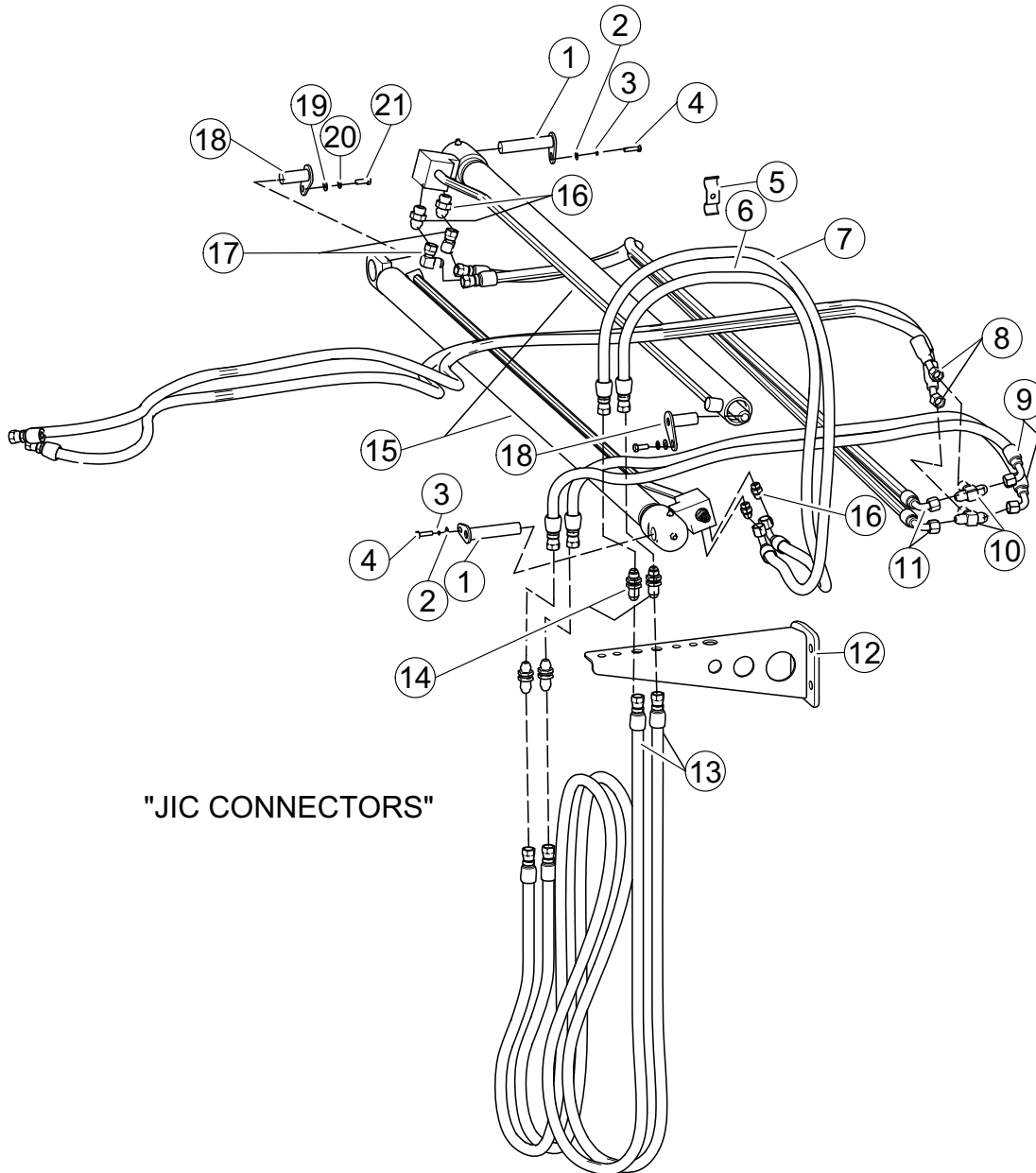


EXTEND/RETRACT HYDS. - ARMS BCB01170-00 and BCB01180-00 and BCB01181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB02701	BOLT	A/R
2	QUR01270	WASHER	A/R
3	QUR01800	WASHER	A/R
4	84807	PIN, Cylinder - Rod End	2
5	84828	PIN, Cylinder - Case End	2
6	83834	HOSE CLAMP	3
7	20286	HOSE	2
8	45878	HOSE	2
9	84765	SUPPORT, Hose	1
10	HYF05450	TEE, Bulkhead	2
11	84791	BRACKET, Bulkhead	1
12	HYC00967	CYLINDER	2
13	HYS00460	CLAMP, Hose	2
14	83826	HOSE	2
15	84330	ASSEMBLY, Bracket - Hose Clamp	1
16	HYF05160	ELBOW	1
17	HYF05125	ELBOW	1
18	HYF08000	ELBOW	3
19	HYF06500	CONNECTOR, Bulkhead	4
20	154610	HOSE	2
21	120080	HOSE	2
22	HYF05110	CONNECTOR	2

SECTION 3

EXTEND/RETRACT HYDS - ARMS BCB01170-01, BCB01180-01 AND BCB00181-00



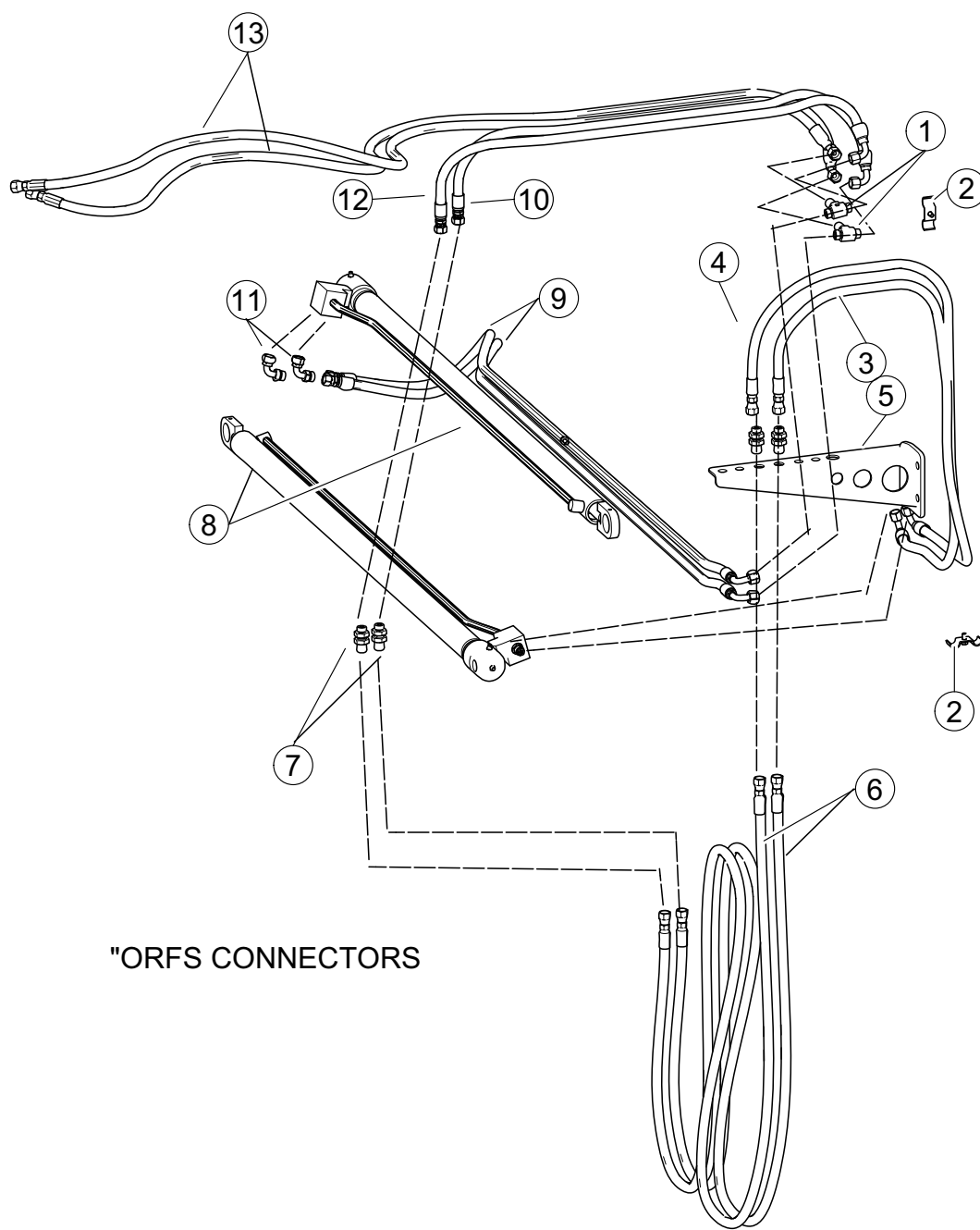
"JIC CONNECTORS"

EXTEND/RETRACT HYDS-ARMS BCB01170-01, BCB01180-01 AND BCB00181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	84828	PIN	2
2	QUR01825	WASHER	2
3	QUR01270	NUT	2
4	QUB02901	BOL.T	2
5	83834	SUPPORT	A/R
6	57804	HOSE	1
7	23584	HOSE	1
8	154610	HOSE	2
9	20286	HOSE	2
10	HYV05450	CONNECTOR	2
11	120080	HOSE	2
12	84765	BRACKET	1
13	83826	HOSE	2
14	HYF06500	CONNECTOR	4
15	HYC00970	CYLINDER	2
16	HYV05110	CONNECTOR	4
17	HYF08000	ELBOW	2
18	64509	PIN	2
19	QUR01905	WASHER	2
20	QUR01272	NUT	2
21	QUB03401	BOLT	2

SECTION 3

EXTEND/RETRACT HYDS - ARMS BCB01170-02, BCB01180-02



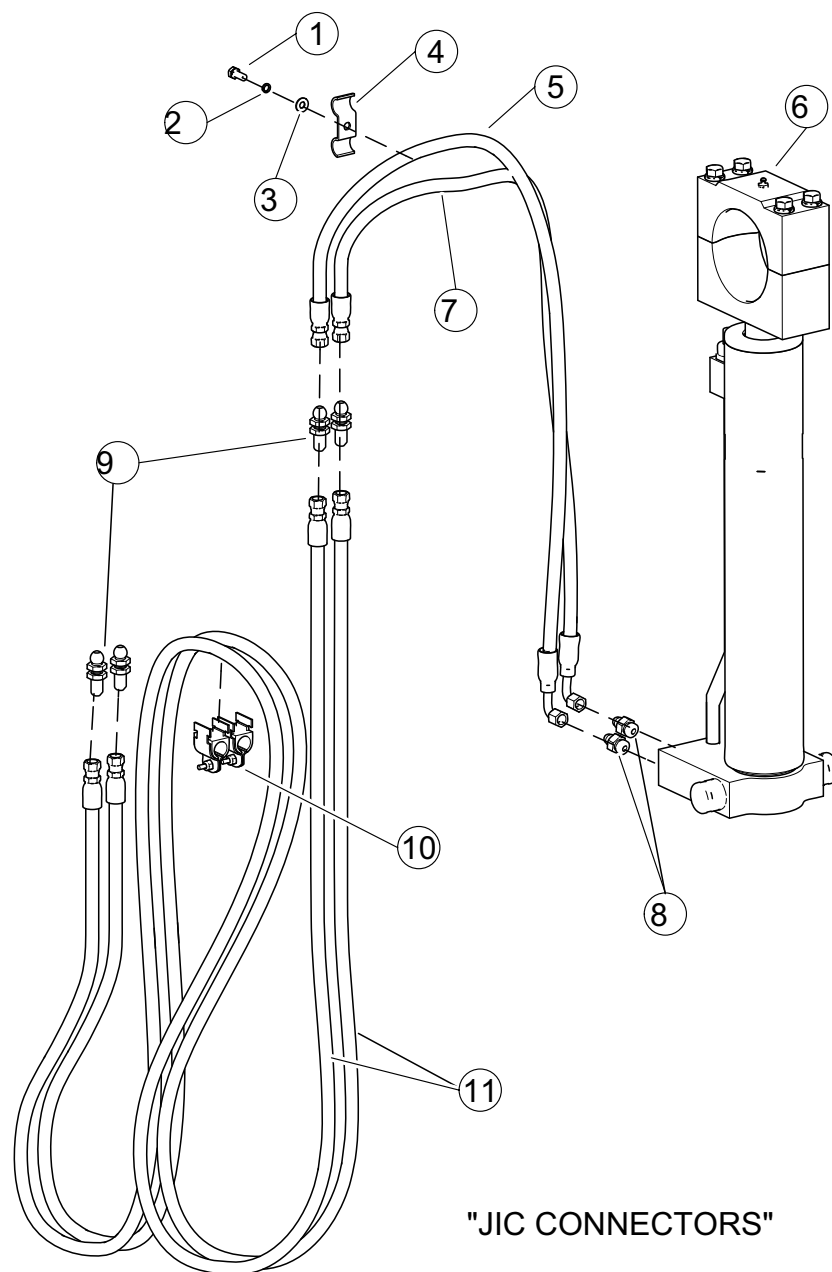
"ORFS CONNECTORS

EXTEND/RETRACT HYDS - ARMS BCB01170-02, BCB01180-02

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYF06120	CONNECTOR	2
2	83834	SUPPORT	A/R
3	154689	HOSE	1
4	154687	HOSE	1
5	84765	BRACKET	1
6	154690	HOSE	2
7	HYF04891	CONNECTOR	2
8	HYC00970	CYLINDER	2
9	154693	HOSE	2
10	154686	HOSE	1
11	HYF08051	CONNECTOR	2
12	165533	HOSE	1
13	154740	HOSE	2

SECTION 3

RAISE/LOWER HYDS. - ARMS BCB01170 and BCB01180

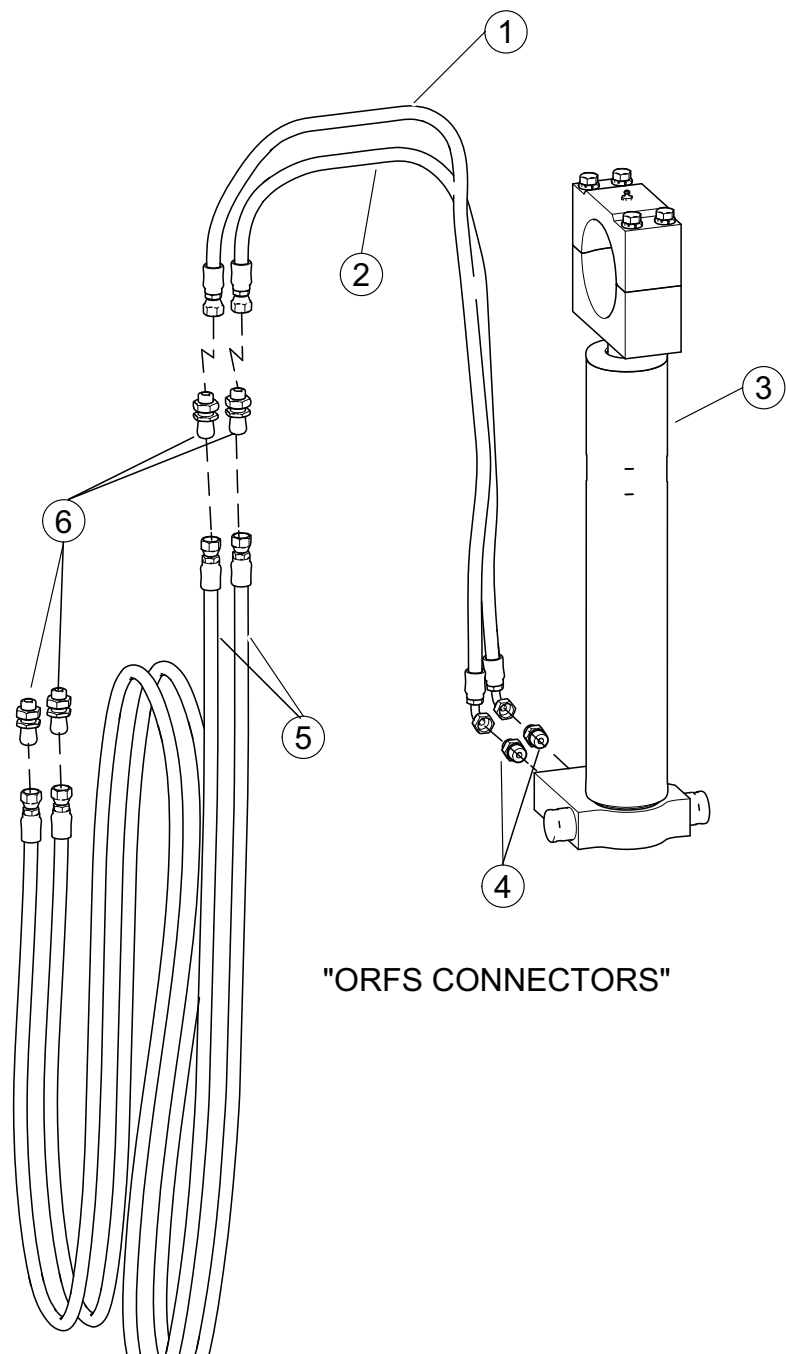


RAISE/LOWER HYDS. - ARMS BCB01170 and BCB01180

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB02701	BOLT	A/R
2	QUR01270	WASHER	A/R
3	QUR01800	WASHER	A/R
4	83834	HOSE CLAMP	A/R
5	90881	HOSE	1
6	HYC00966	CYLINDER	1
7	67809	HOSE	1
8	HYF04875	ADAPTER	2
9	HYF06490	CONNECTOR, Bulkhead	4
10	HYS00300	CLAMP, Hose	2
11	84887	HOSE	2

SECTION 3

RAISE/LOWER HYDS - ARMS BCB01170-02 AND BCB01180-02

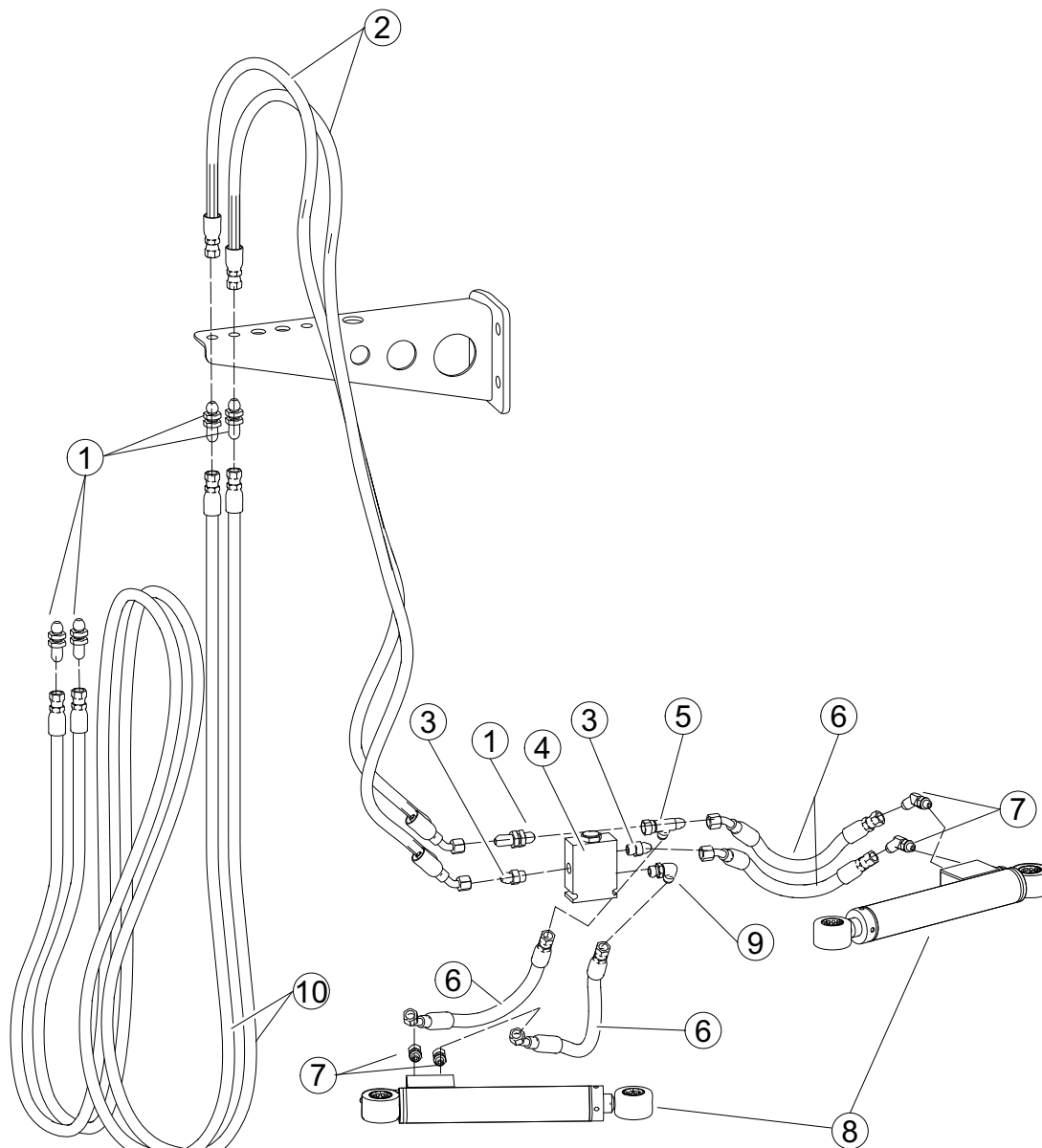


RAISE/LOWER HYDS - ARMS BCB01170-02 AND BCB01180-02

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	154692	HOSE	1
2	154694	HOSE	1
3	HYC00966	CYLINDER	1
4	HYF05176	CONNECTOR	2
5	154691	HOSE	2
6	HYF04892	CONNECTOR	4

SECTION 3

GRABBER HYDS. -ARMS BCB01170-00,-01 and BCB01180-00,-01 and BCB01181-00



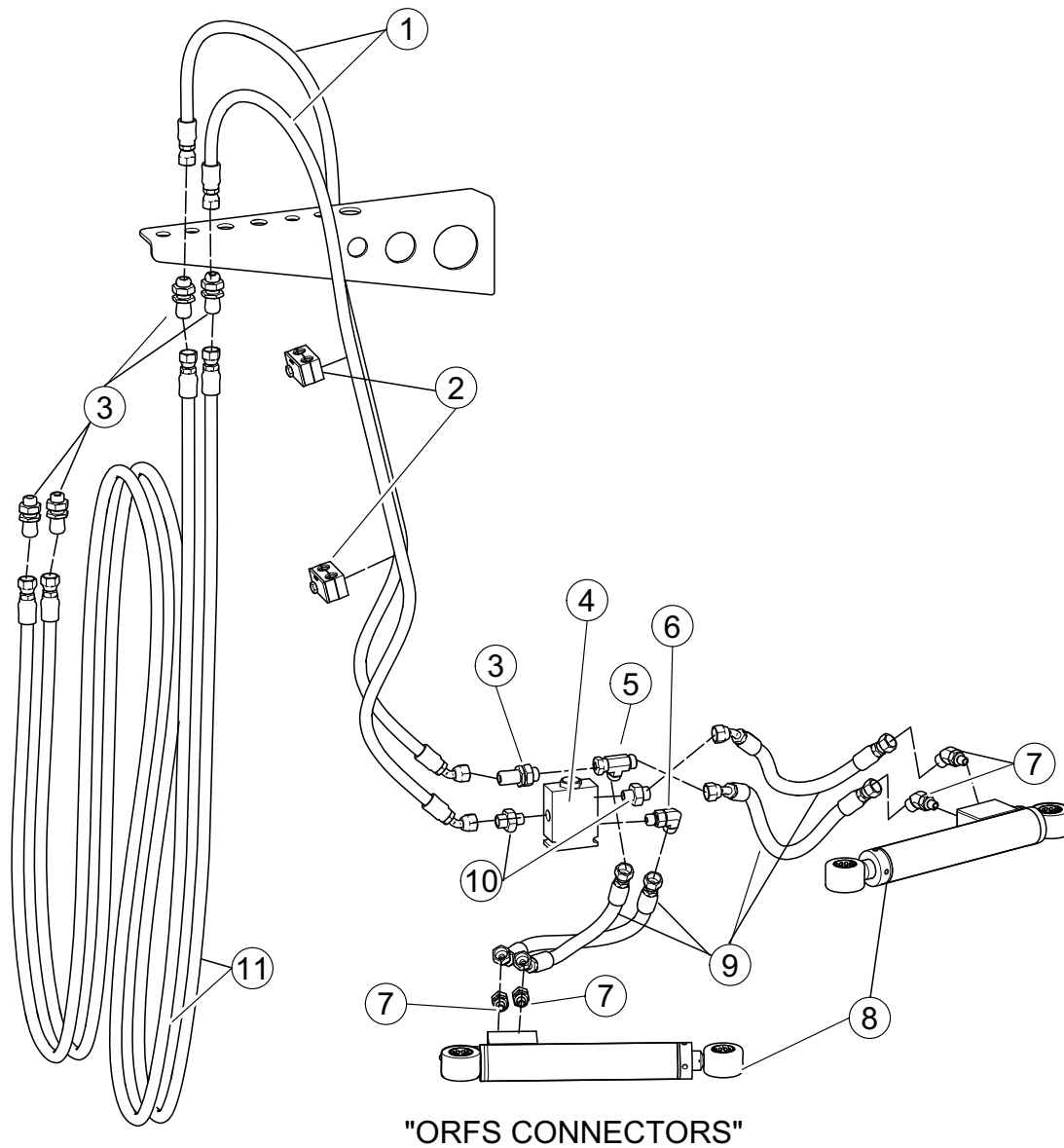
"JIC CONNECTORS"

GRABBER HYDS. - ARMS BCB01170-00,-01 and BCB01180-00,-01 and BCB01181-00

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYF06490	CONNECTOR, Bulkhead	5
2	154114	HOSE	2
3	HYF04806	ADPATER	2
4	BCB19035	VALVE	1
5	HYF06098	TEE	1
6	154698	HOSE	4
7	HYF02765	ELBOW	4
8	HYC00965	CYLINDER	2
9	HYF07435	ELBOW	1
10	84887	HOSE	2

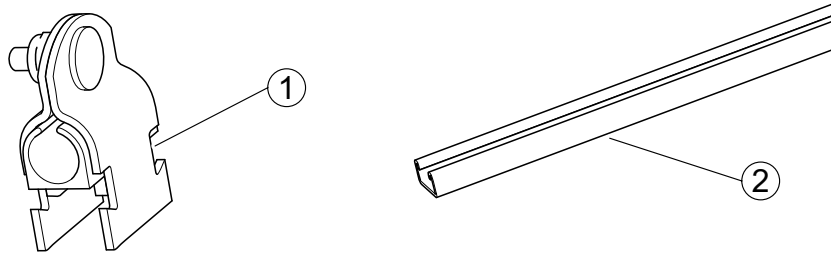
SECTION 3

GRABBER HYDS - ARMS BCB01170-02 AND BCB01180-02



GRABBER HYDS - ARMS BCB01170-02 AND BCB01180-02

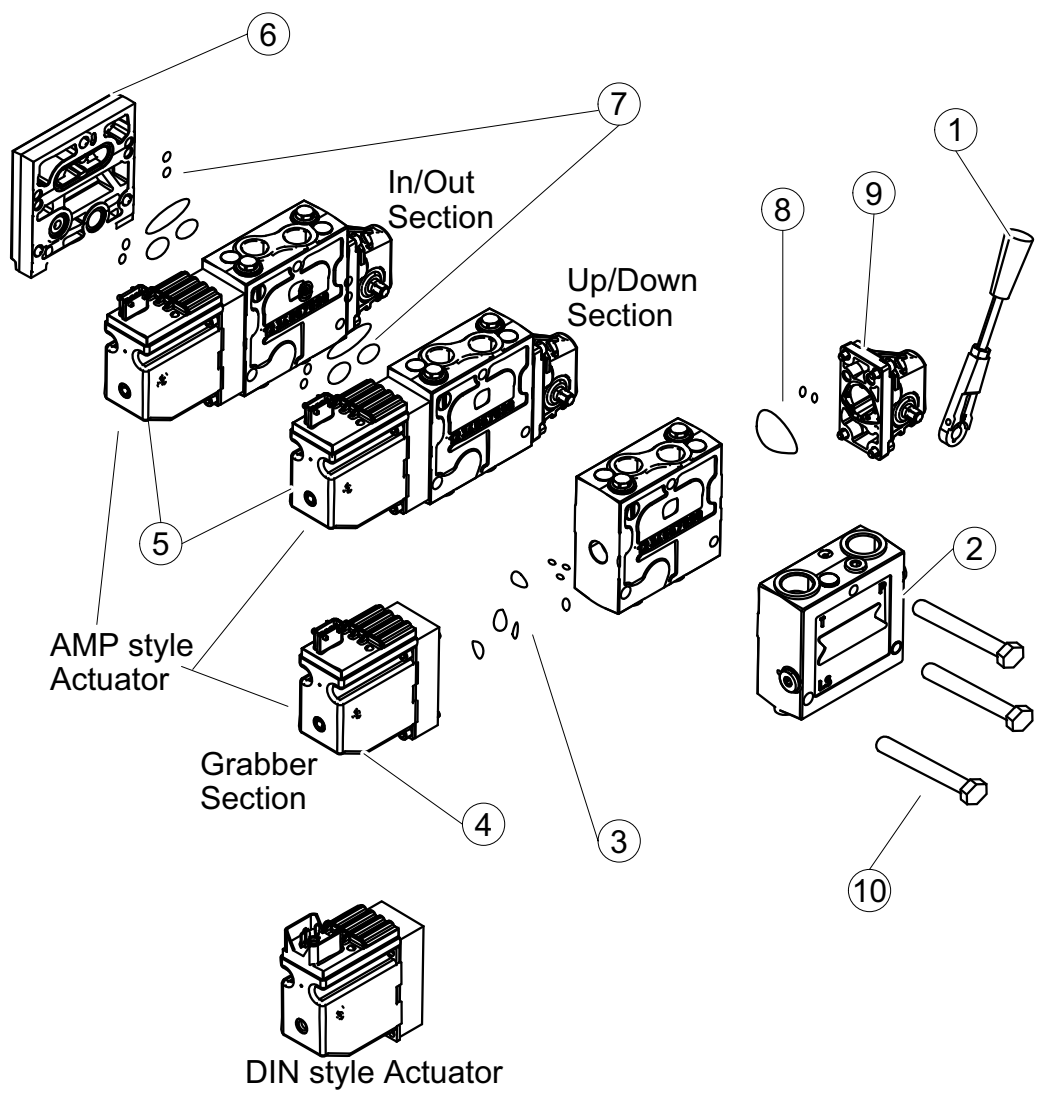
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	154737	HOSE	2
2	HYS00618	CLAMPS	2
3	HYF04892	CONNECTOR	1
4	BCB19035	VALVE	1
5	HYF06098	CONNECTOR	1
6	HYF07435	ELBOW	1
7	HYF02765	CONNECTOR	4
8	HYC00965	CYLINDER	2
9	154698	HOSE	4
10	HYF04806	CONNECTOR	2
11	154691	HOSE	2

SECTION 3**CLAMPS AND ACCESSORIES**

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYS00150	TUBE or HOSE O.D. = .38"	A/R
	HYS00200	TUBE or HOSE O.D. = .50"	A/R
	HYS00250	TUBE or HOSE O.D. = .62"	A/R
	HYS00300	TUBE or HOSE O.D. = .75"	A/R
	HYS00305	TUBE or HOSE O.D. = 1.05"	A/R
	HYS00400	TUBE or HOSE O.D. = 1.00"	A/R
	HYS00425	TUBE or HOSE O.D. = 1.12"	A/R
	HYS00450	TUBE or HOSE O.D. = 1.25"	A/R
	HYS00453	TUBE or HOSE O.D. = 1.38"	A/R
	HYS00455	TUBE or HOSE O.D. = 1.50"	A/R
	HYS00460	TUBE or HOSE O.D. = .84"	A/R
	HYS00490	TUBE or HOSE O.D. = 1.62"	A/R
	HYS00500	TUBE or HOSE O.D. = 1.75"	A/R
	HYS00550	TUBE or HOSE O.D. = 2.00"	A/R
	HYS00560	TUBE or HOSE O.D. = 2.50"	A/R
	HYS00565	TUBE or HOSE O.D. = 3.12"	A/R
	HYS00566	TUBE or HOSE O.D. = 3.62"	A/R
2	HYS00570	CLAMP RAIL - 10 Foot	A/R

SECTION 4

ARM CONTROL VALVE

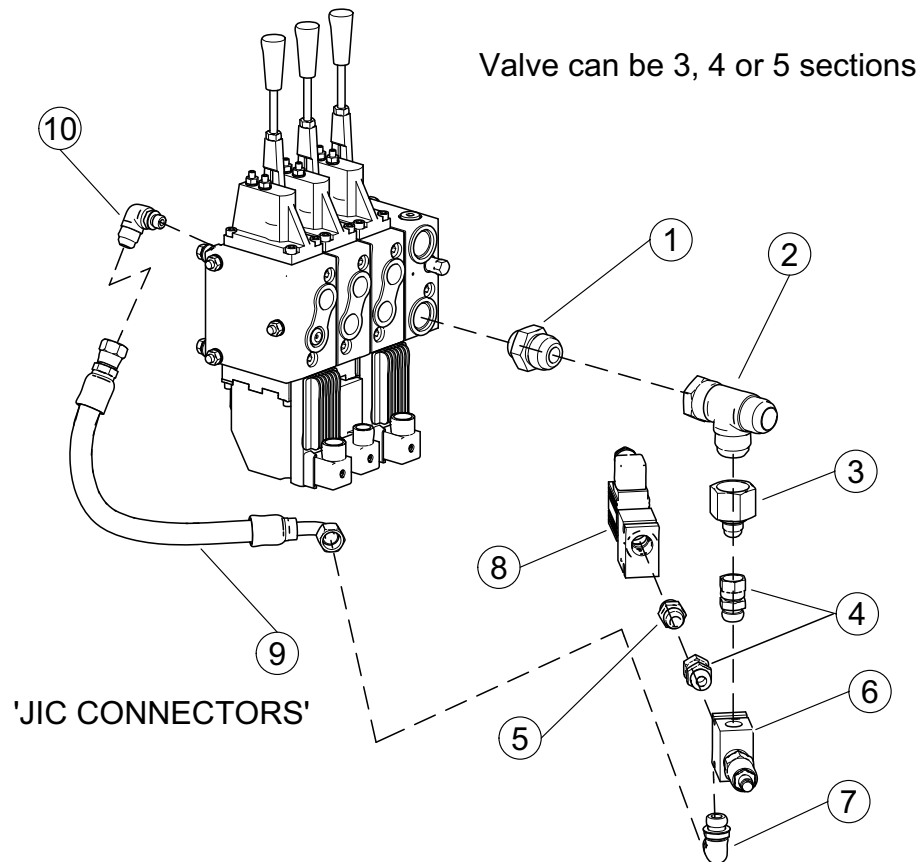


ARM CONTROL VALVE

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYV04316	HANDLE	A/R
2	HYV04433	SECTION, Inlet	1
3	HYV04335-01	KIT, Seal - Electric Actuator	A/R
4	HYV04328	ACTUATOR, AMP Style, On/Off - Gripper, Crusher or Tipper Section	A/R
	HYV04320	ACTUATOR, DIN Style, On/Off - Gripper, Crusher or Tipper Section	A/R
	79280	HARNESS, Adapter, AMP to DIN	A/R
5	HYV04327	ACTUATOR, AMP Style, Proportional - In/Out or Up/Down Section	A/R
	HYV04321-01	ACTUATOR, DIN Style, Proportional - In/Out or Up/Down Section	A/R
	79461	HARNESS, Adapter, AMP to DIN - In/Out Section	A/R
	79462	HARNESS, Adapter, AMP to DIN - Up/Down Section	A/R
6	HYV04377	SECTION, End	1
7	HYV04429	KIT, Seal, Between Sections	A/R
8	HYV04330	KIT, Seal, Handle End	A/R
9	HYV04315	ASSEMBLY, Actuator - Handle End (Includes Items 1 & 8)	A/R
10	HYV04325	KIT, Stud (3 Section)	A/R
	HYV04329	KIT, Stud (4 Section)	A/R
	HYV04410	ASSEMBLY, Section, On/Off -Tipper, Grabber or Crusher.	A/R
	HYV04420	ASSEMBLY, Section, Proportional - In/Out or Up/Down.	A/R
	HYV04407	ASSEMBLY, Valve - Complete (3 Section)	
	HYV04406	ASSEMBLY, Valve - Complete (4 Section)	

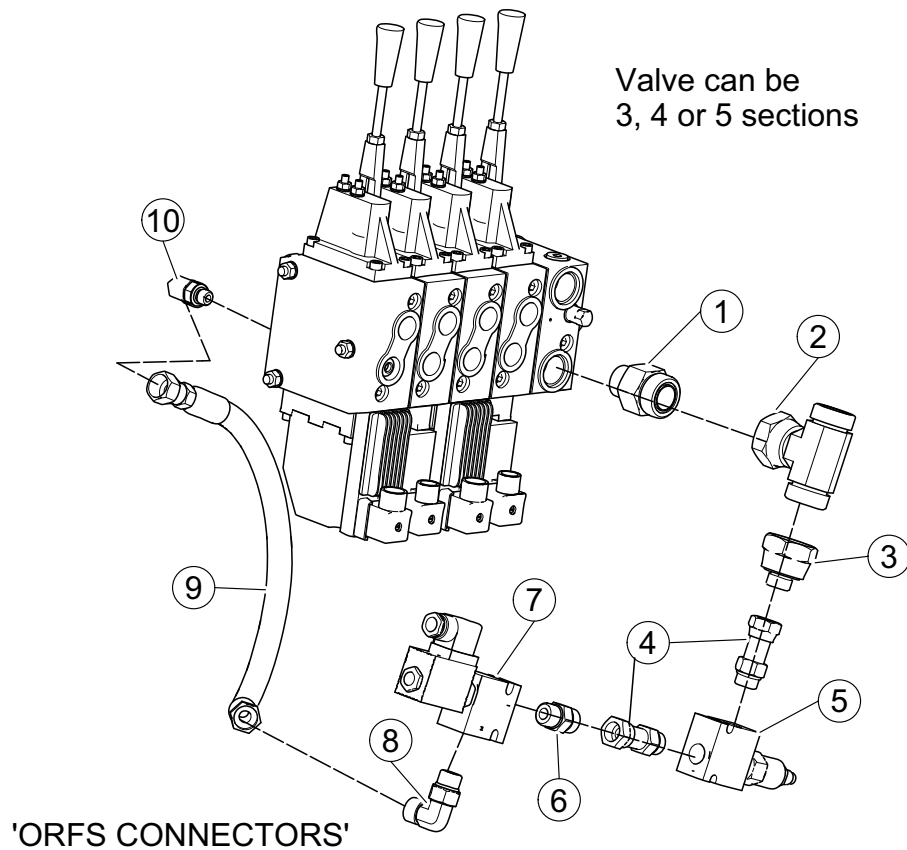
SECTION 4

300 GALLON GRIPPER ADDED PRESSURE CIRCUIT

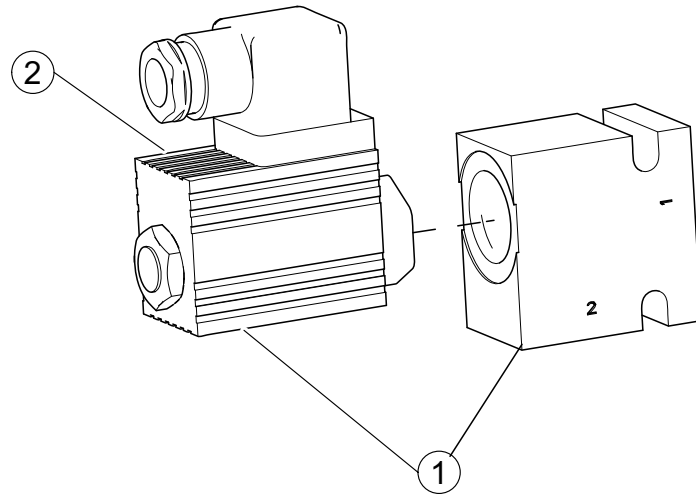


REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYF05113	ADAPTER	1
2	HYF28030	TEE	1
3	HYF10020	ADAPTER	1
4	HYF05170	ADAPTER	2
5	HYF05110	ADAPTER	1
6	HYV06150	RELIEF VALVE	1
7	HYF05125	ELBOW	1
8	HYV00866-02	SOLENOID VALVE	1
9	46122	HOSE	1
10	HYF07190	ELBOW	1

300 GALLON GRIPPER ADDED PRESSURE CIRCUIT



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYF04985	CONNECTOR	1
2	HYF05605	CONNECTOR	1
3	HYF04992	CONNECTOR	1
4	HYF05169	CONNECTOR	2
5	HYF06150	PRESSURE RELIEF VALVE	1
6	HYF05171	CONNECTOR	1
7	HYV00866	SOLENOID VALVE	1
8	HYF05126	ELBOW	1
9	165293	HOSE	1
10	HYF07191	CONNECTOR	1

SOLENOID VALVE - HYV00866-02

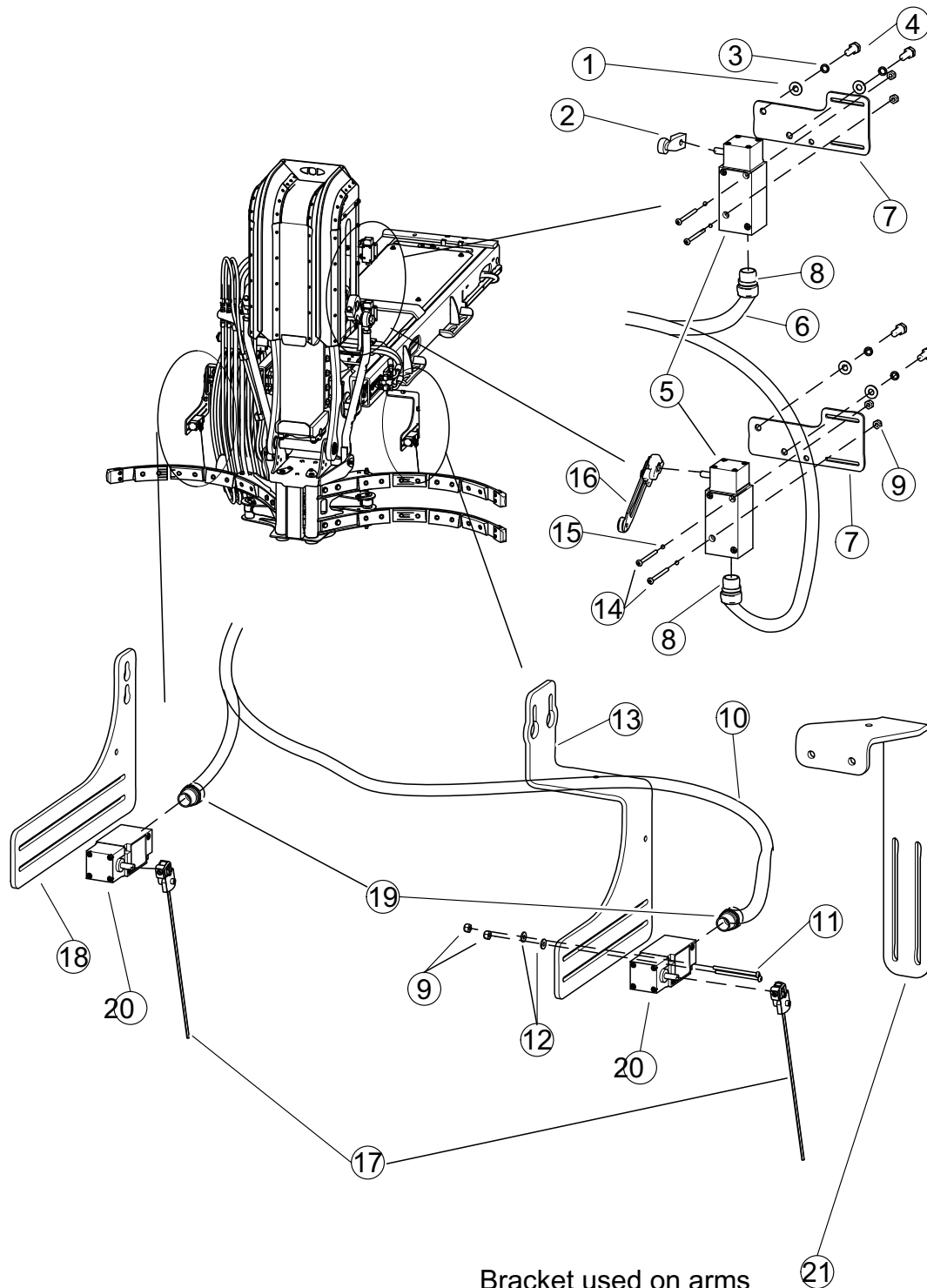
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYV00866-02	SOLENOID VALVE	1
	HYV00886	SOLENOID	1

SECTION 4

VALVE - BCB19035

SECTION 5

ARM ELECTRICAL - BCB01170-00, -01 & -02/// BCB01180-00, -01 & -02/// BCB01181-00

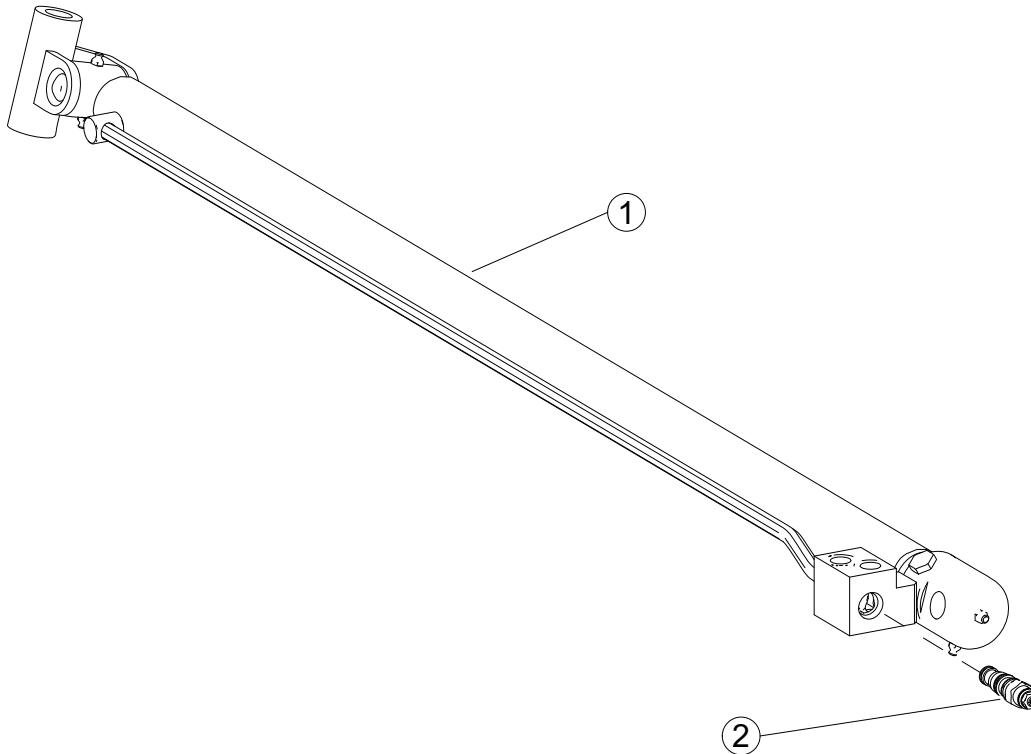


Bracket used on arms
BCB01170-02 and BCB01180-02

ARM ELECTRICAL - BCB01170-00, -01 & -02/// BCB01180-00, -01 & -02/// BCB01181-00

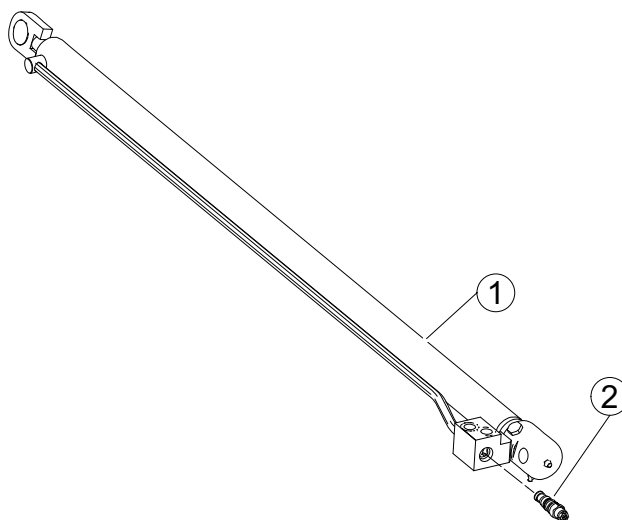
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUR01800	WASHER	4
2	ELI00851	ACTUATOR, ARM - Short W/Roller	1
3	QUR01270	WASHER	4
4	QUB02701	BOLT	4
5	ELI00555-01	SWITCH - Arm Up/Down	2
6	152550	HARNESS - Upper Arm Limit Switches	1
7	140471	BRACKET	2
8	ELC00140	CONNECTOR	2
9	QUE01070	NUT	8
10	152523	HARNESS - Grabber Parked Limit Switches	1
11	QUV01950	BOLT	4
12	QUR01600	WASHER	4
13	84818	BRACKET	1
14	QUV01925	BOLT	4
15	QUR01255	WASHER	4
16	ELI00852	ACTUATOR, ARM - Long W/Roller	1
17	ELI00850	ACTUATOR, ARM - Rod Type	2
18	141040	BRACKET	1
19	ELC00200	CONNECTOR	2
20	ELI00550-01	SWITCH - Grabber Open	2
21	166788	BRACKET	1

SECTION 6**EXTEND/RETRACT CYLINDER - HYC00967**



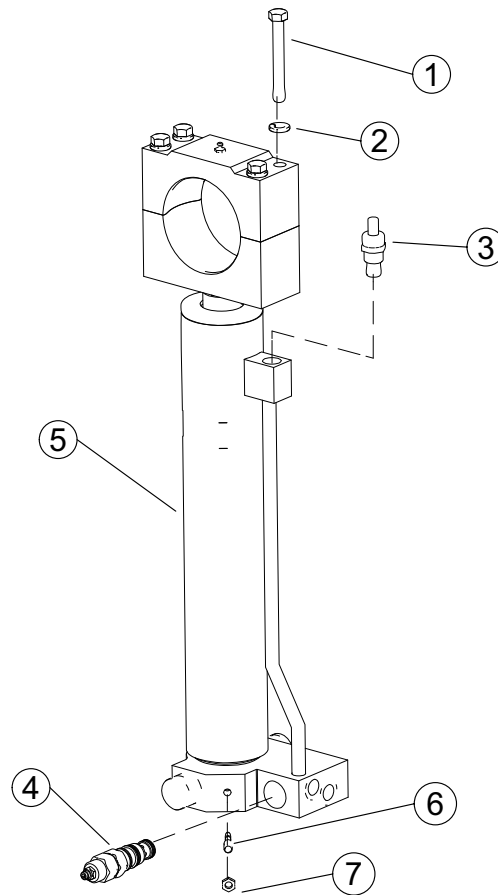
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYC00967-01	CYLINDER ASSEMBLY - Complete	2
	HYJ00179-01	KIT, Seal	1
2	HYV02667	CARTRIDGE, Counterbalance	1
NOTE: This cylinder is no longer in production It was used on the following arms: BCB01123, BCB01170-00, BCB01171-00, BCB01180-00, BCB01181-00, BCB01182-00 and BCB01183-00. Service kit is available to convert arm to new style cylinder HYC00970, Kit #SERV2062 QTY. 2 per arm.			

EXTEND/RETRACT CYLINDER - HYC00970



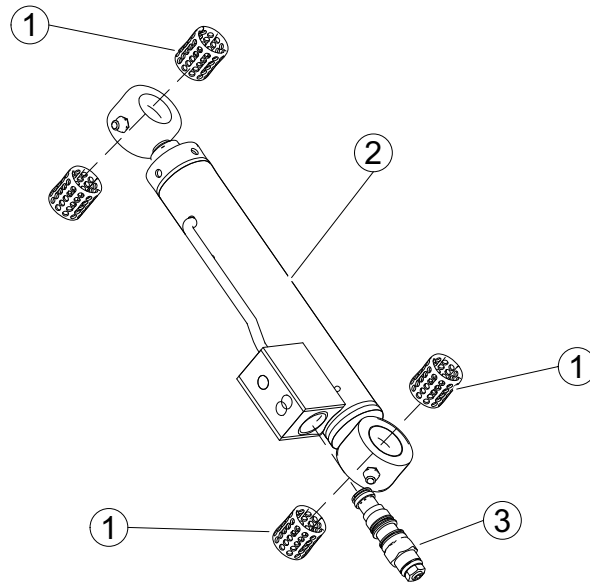
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYC00970	CYLINDER ASSEMBLY - Complete	2
	HYJ00179-01	KIT, Seal	1
2	HYV02667	CARTRIDGE, Counterbalance	1
NOTE: Used on Arms: BCB01123-01, BCB01170-01, BCB01171-01, BCB01180-01, BCB01181-01, BCB01182-01 and BCB01183-01 and above Typ.			

ARM LIFT CYLINDER



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	QUB04860	BOLT	4
2	QUR01300	WASHER	4
3	HYC02660	CARTRIDGE, Flow Control	1
4	HYV02668	CARTRIDGE, Counterbalance	1
5	HYC00966	CYLINDER ASSEMBLY - Complete	1
	HYJ00966	KIT, SEAL	1

SECTION 6**GRABBER CYLINDER**



REF. NO.	PART NO.	DESCRIPTION	QTY.
1	HYC08004	BUSHING	4
2	HYC00965	CYLINDER ASSEMBLY - Complete	1
	HYJ00950	KIT, SEAL	1
3	HYV02667	CARTRIDGE, Counterbalance	1

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