



PARTS BOOK

**AR2212
ACTION RAKE**

Part #90665

Rev. #02

HSMFG081723

Starting Ser. #422AR12049



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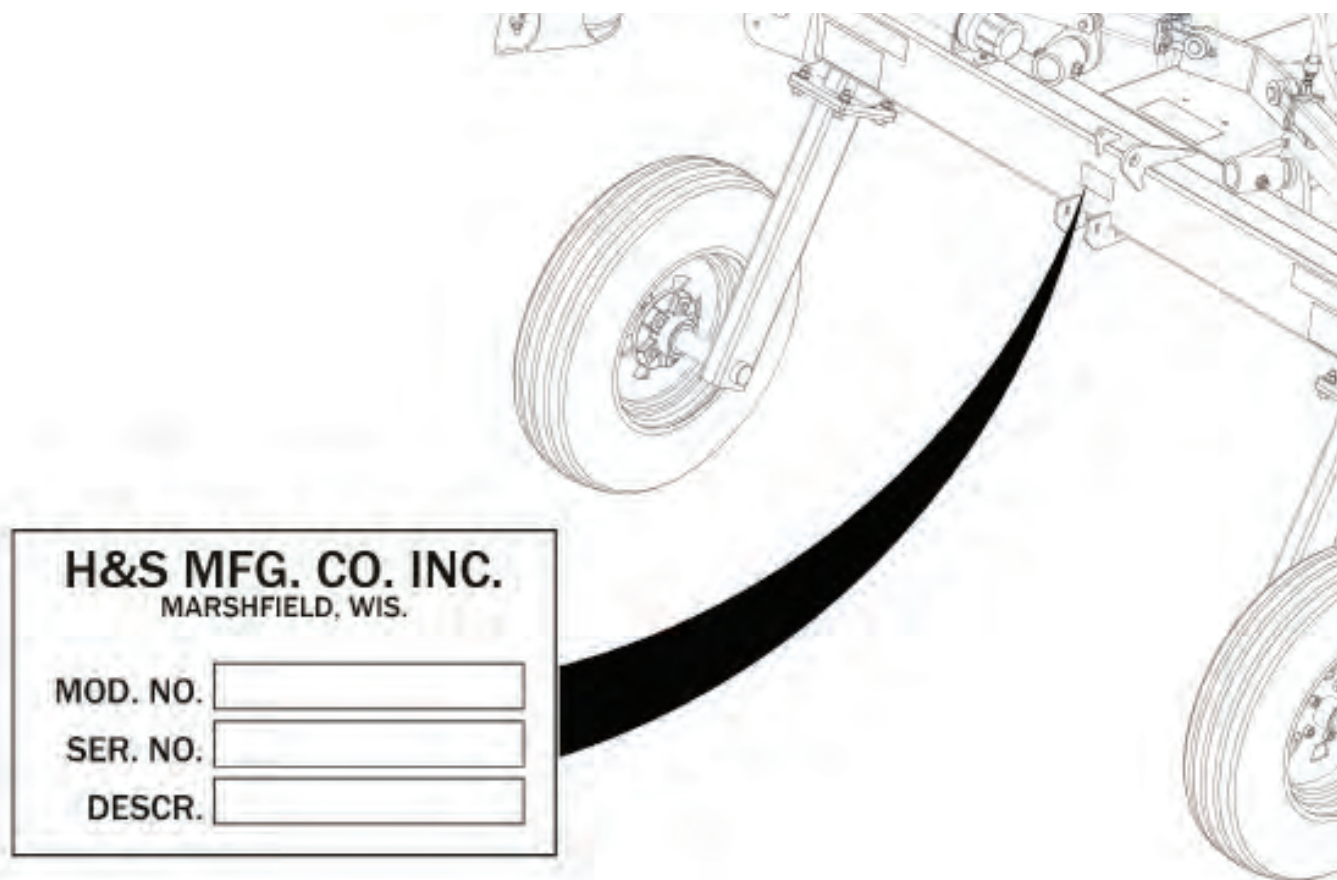
INSTRUCTIONS FOR ORDERING PARTS

All service parts should be ordered through your authorized H&S dealer. Your Dealership will be able to give you faster service if you provide them with the following:

1. All references to left or right apply to the machine as viewed from the rear.
2. Parts should not be ordered from illustration only. Please order complete part number.
3. If your dealer has to order parts, give shipping instructions:

VIA truck - large pieces (please specify local truck lines)

VIA United Parcel Service (include full address)



PLEASE RECORD NUMBERS FOR YOUR UNIT FOR QUICK REFERENCE

H&S IS CONTINUALLY STRIVING TO IMPROVE ITS PRODUCTS

We must, therefore, reserve the right to make improvements or changes whenever it becomes practical to do so, without incurring any obligation to make changes or additions to the equipment previously sold.





FIGURE 1
FRAME COMPONENTS

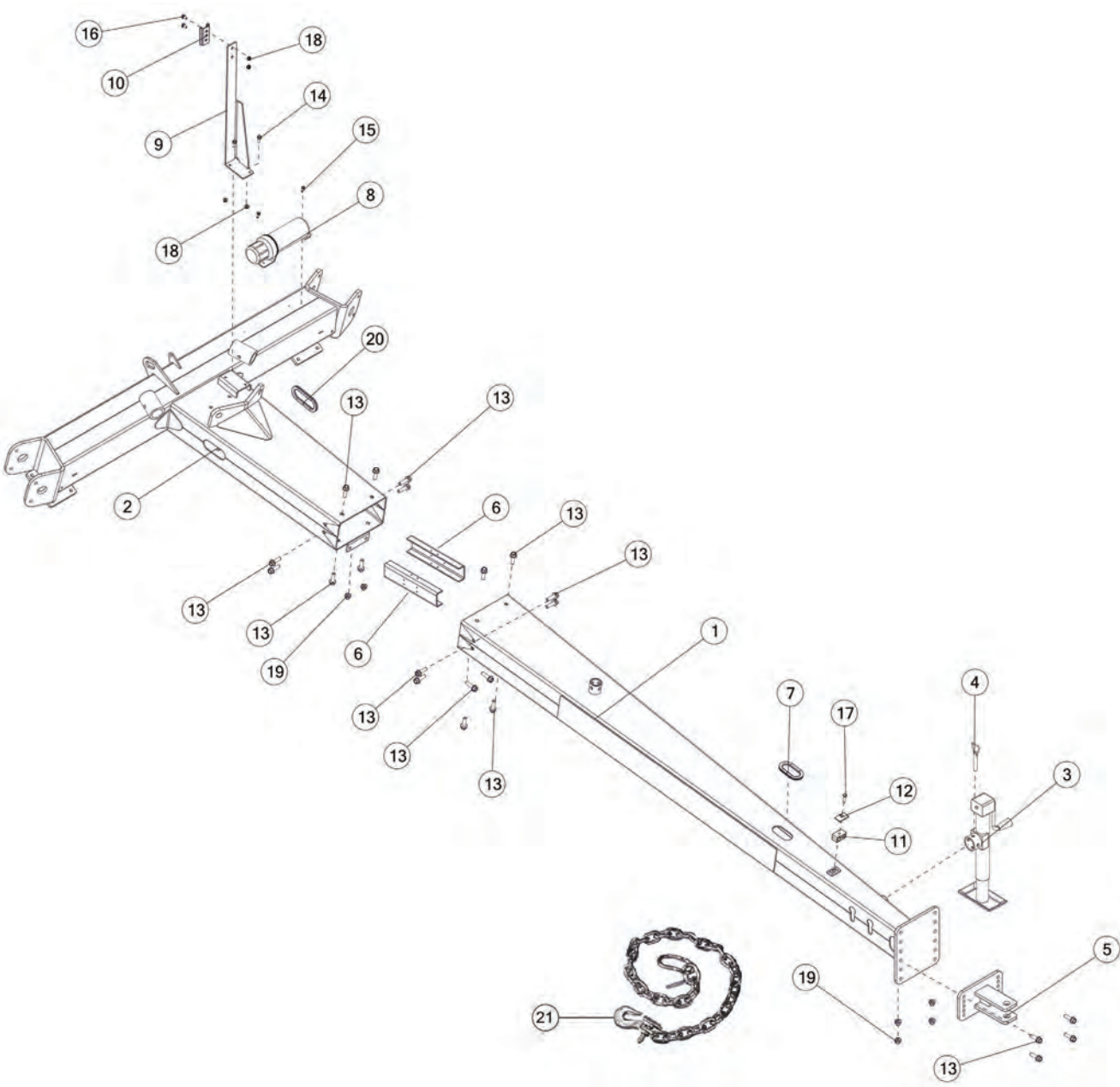




FIGURE 1

FRAME COMPONENTS

REF #	PART #	DESCRIPTION	QTY
1	88954B	FRONT POLE W/DECALS	1
2	88989B	MAIN FRAME W/DECALS	1
3	12N116	JACK, 2000# SIDE WIND	1
4	12N117	PIN, 0.56, 5.19, JACK	1
5	90513	HITCH	1
6	HS101702	BACKER PLATE	2
7	93685	EDGING	1
8	S522	MANUAL HOLDER	1
9	96736	SMV BRACKET	1
10	F97	SMV BRACKET	1
11	CHM278	TWO LINE CLAMP BLOCK, 3/8	1
12	56563	CLAMP TOP PLATE	1
13	YBFB16175	BOLT FLANGE, 1/2 X 1-3/4 G5	22
14	YBFB10001	BOLT FLANGE, 5/16 X 1 G5	2
15	YSDR08005	SELF DRILL SCREW, HEX WASH HD, 1/4-14 X 1 ZC	2
16	YBCR10030	BOLT CARRIAGE, 5/16-18 X 3/4 G5 ZC	2
17	56568	CLAMP BOLT, 5/16-18 x 1-3/8	1
18	YNFG10005	NUT FLANGE, 5/16 GF	4
19	YNFG16003	NUT FLANGE, 1/2 GF	6
20	93687	EDGING	1
21	SC10100	SAFETY CHAIN - OPTIONAL	1





FIGURE 2
REAR FRAME COMPONENTS

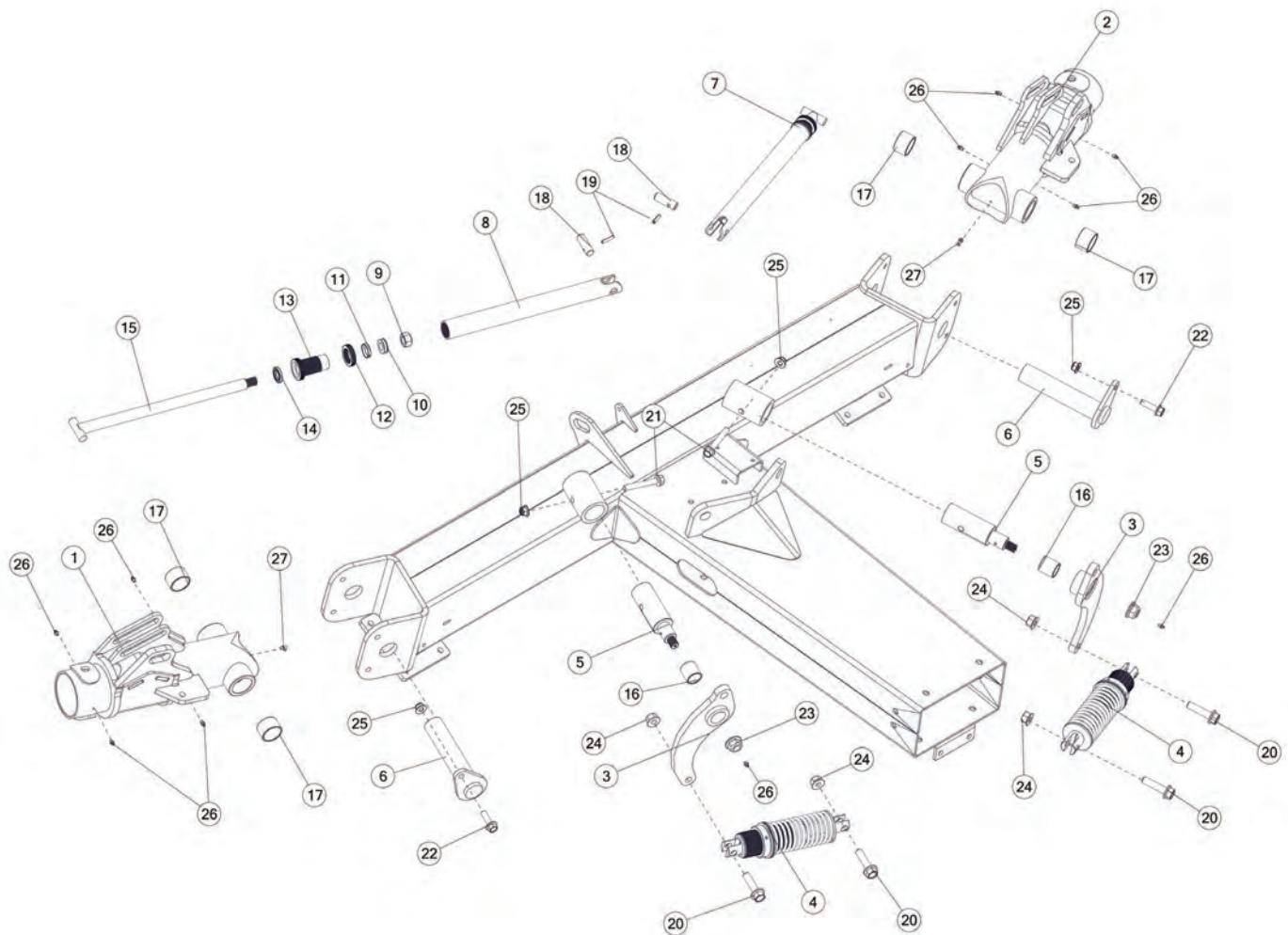




FIGURE 2

REAR FRAME COMPONENTS

REF #	PART #	DESCRIPTION	QTY
1	89391	LIFT ARM	1
2	89025	LIFT ARM	1
3	89190	ROCKER ARM	2
4	89272	COIL SPRING, ASSEMBLY	2
5	89097	ROCKER PIVOT SHAFT	2
6	90576	PIN	2
7	89160	ROD ASSEMBLY	1
8	89150	TUBE	2
9	YNTL24006	NUT HEX, 3/4-10 LKTL ZC	2
10	89162	PISTON	2
11	95430	WIPER RING	2
12	89163	LOCK RING	2
13	89161	BUSHING	2
14	89257	SEAL	2
15	89151	ROD	2
16	G16	BUSHING, BRONZE	2
17	TS85	BUSHING, BRONZE, 2 OD X 1.752 ID X 1.25 LONG	4
18	90675	LINKAGE PIN	2
19	YPEX08010	EXPANSION PIN, 1/4 X 1-1/4	2
20	YBFB20250	BOLT FLANGE, 5/8 X 2-1/2 G5	4
21	YBFB16350	BOLT FLANGE, 1/2 X 3-1/2 G5	2
22	YBFB16175	BOLT FLANGE, 1/2 X 1-3/4 G5	2
23	YNFG24006	HEX NUT, FLANGED, TOP LOCK, 3/4-10 GG ZC	2
24	YNFG20005	NUT FLANGE, 5/8-11 LKTL F ZC	4
25	YNFG16003	NUT FLANGE, 1/2 GF	4
26	G89	STRAIGHT ZERK, 1/4-28	10
27	RG51	ZERK, 90 DEGREE 1/4-28	2





FIGURE 3
LIFT ARM PIVOT & COMPONENTS RH

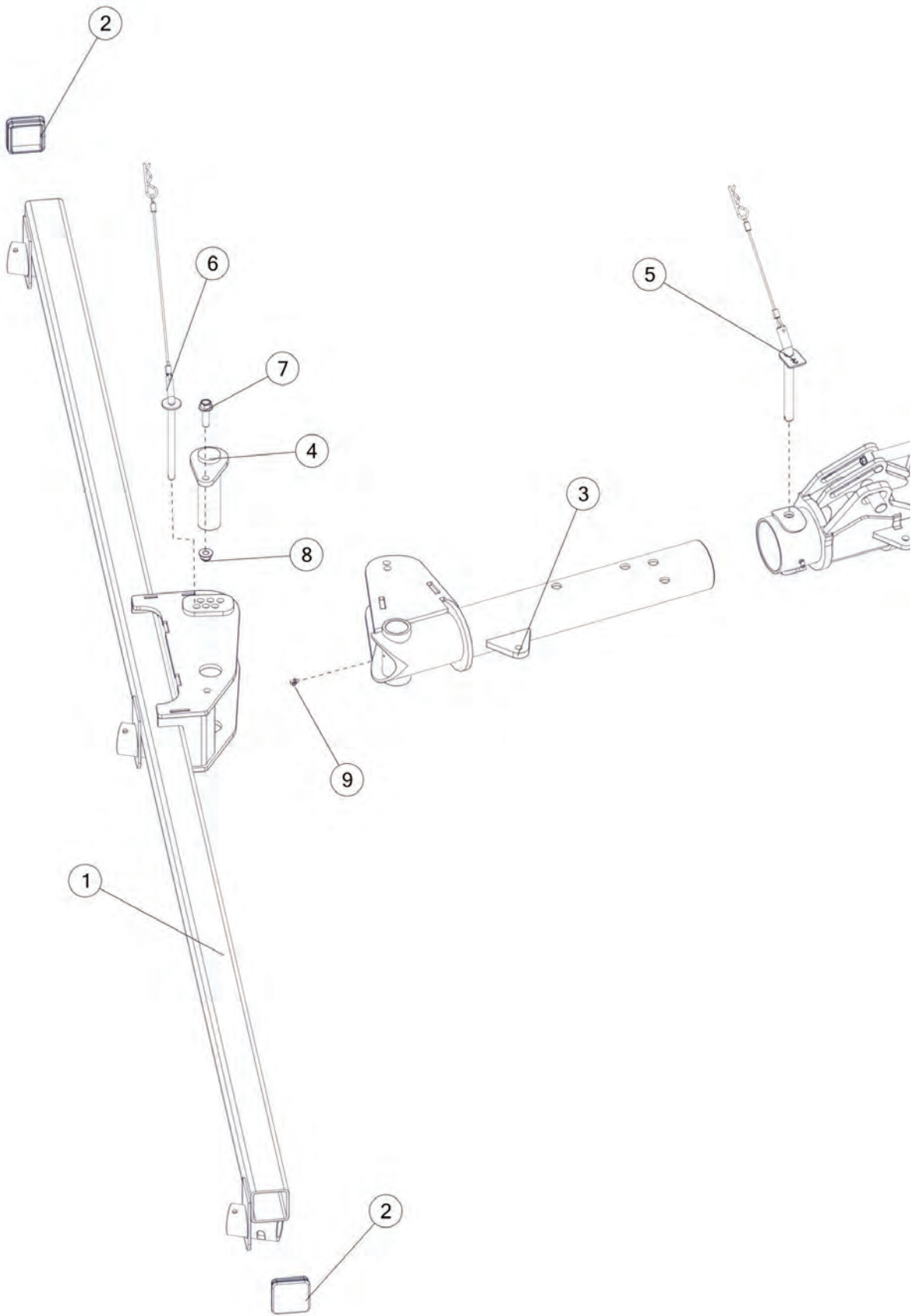
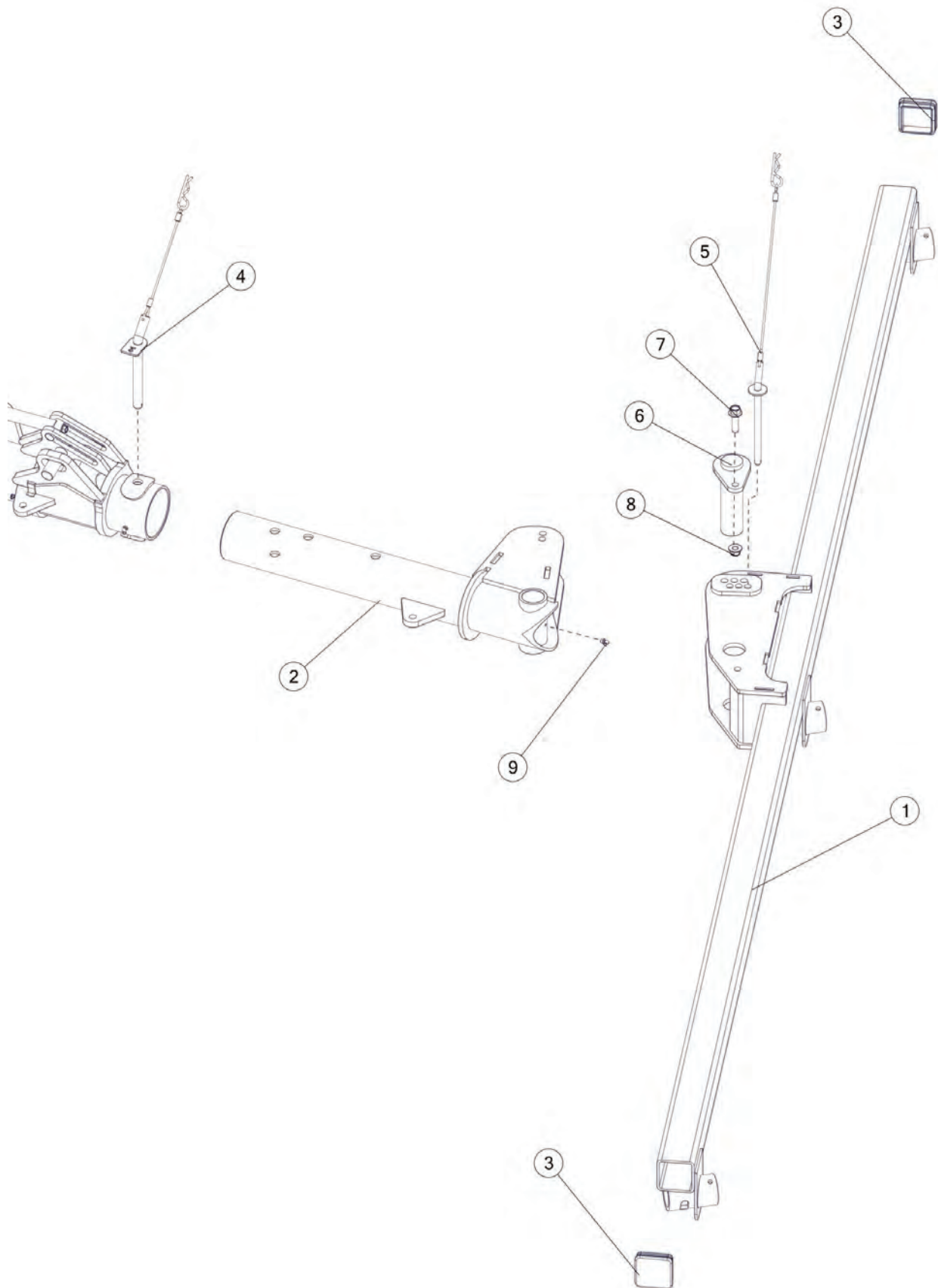




FIGURE 4
LIFT ARM PIVOT & COMPONENTS LH



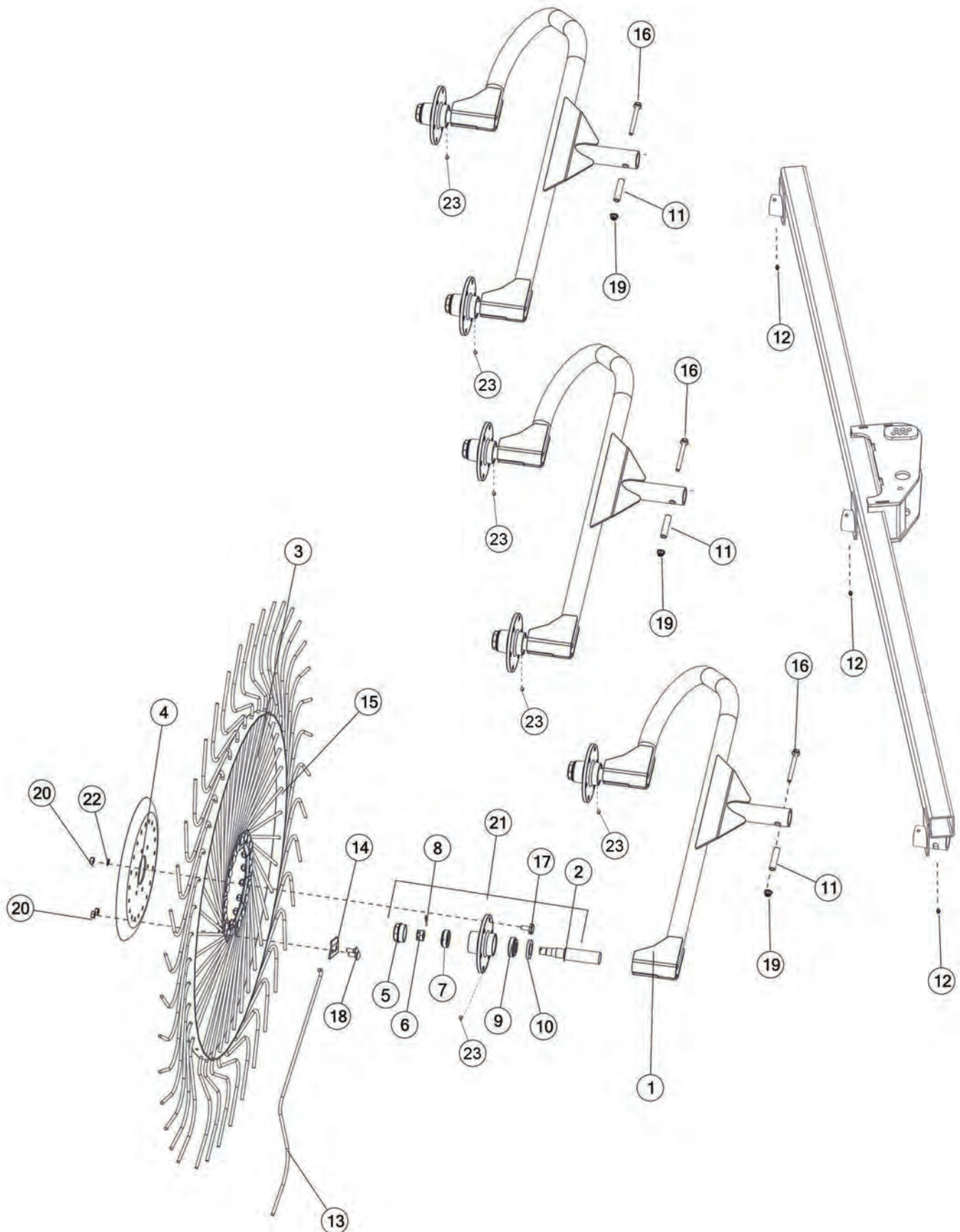




FIGURE 5

[illegible]

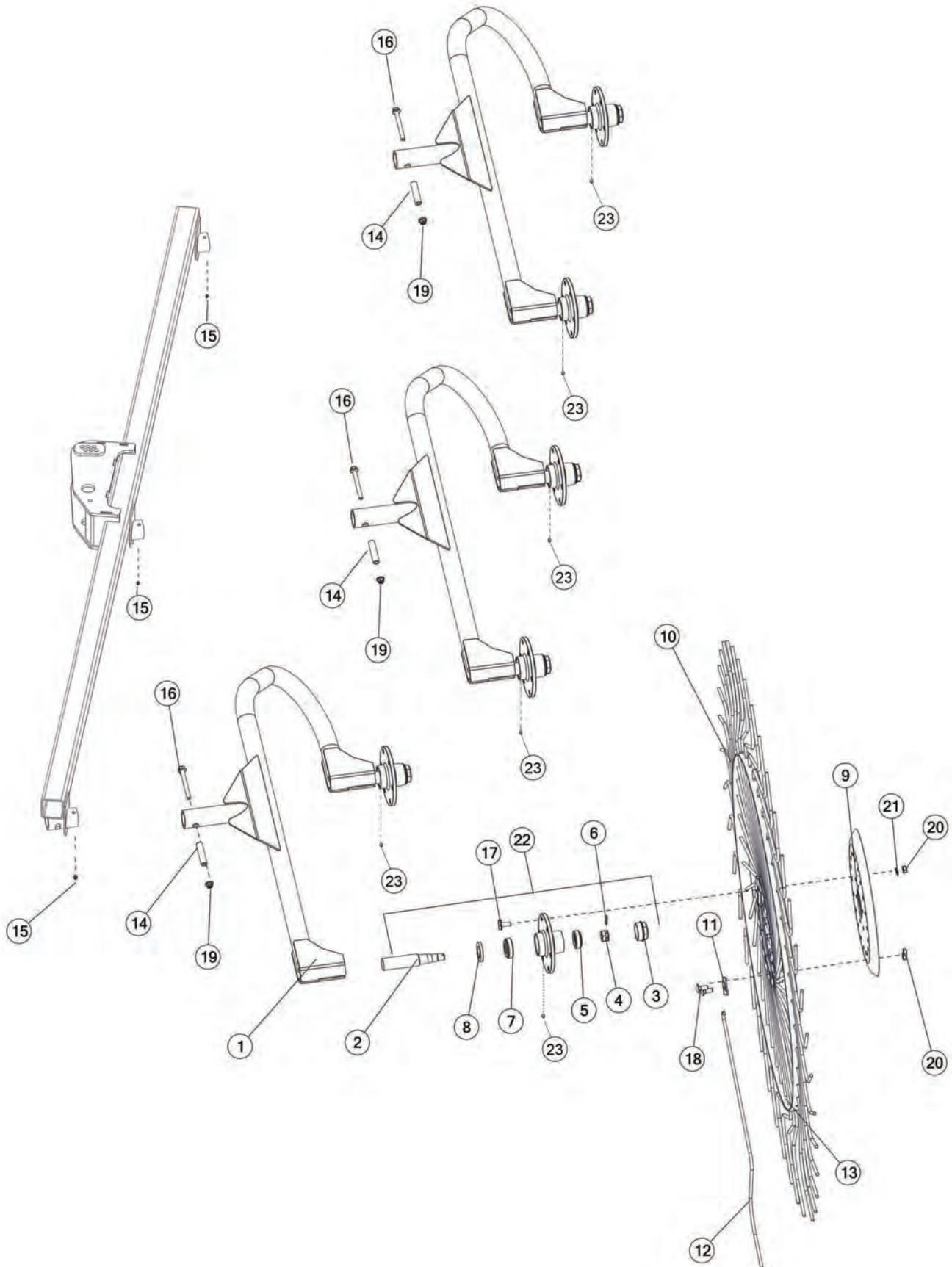


FIGURE 6

CANDY CANE & RAKE WHEEL COMPONENTS LH

REF #	PART #	DESCRIPTION	QTY
1	88991	CANDY CANE, LH	2
2	BFR36	RAKE WHEEL SPINDLE	6
3	T173	CAP, HUB, RAKE WHEEL	6
4	T172	NUT HEX, 18MM - 1.5 CASTLE G2 NF	6
5	600014	BEARING, 1.85 X 0.75, TAPER, COMPLETE	6
6	1088	CLIP, RETAINING	6
7	600012	BEARING, 2.05 X 0.75, TAPER, COMPLETE	6
8	T163	SEAL, 2.05 X 1.25 X .25	6
9	FR71	RAKE WHEEL CENTER 60 IN BLACK	6
10	FR69	RAKE WHEEL COMPLETE, 60IN DIAM., BLACK LH	6
11	FR74	RAKE TOOTH CLIP BLACK	60
12	FR73	BIGGY RAKE WHEEL TOOTH, 60IN, BLACK	240
13	FR72	RAKE WHEEL BAND 60 IN BLACK	6
14	66247	SPACER, TUBE	3
15	G89	STRAIGHT ZERK, 1/4-28	3
16	YBFB12350	BOLT FLANGE, 3/8 X 3-1/2 G5	3
17	YBHH76015	BOLT HEX, M10-1.5 X 25 10.9 ZC	36
18	YBCR76005	BOLT CARRIAGE, M10-1.5 X 25MM 8.8 NF	120
19	YNFG12006	NUT FLANGE, 3/8 GF	3
20	YNHX76015	NUT HEX, M10-1.5 NA CL10 ZC	156
21	YWLO76015	WASHER, LOCK, M10	36
22	1081	RAKE WHEEL HUB AND SPINDLE	6
23	600034	GREASE NIPPLE	6





FIGURE 7
AXLE & HUB COMPONENTS

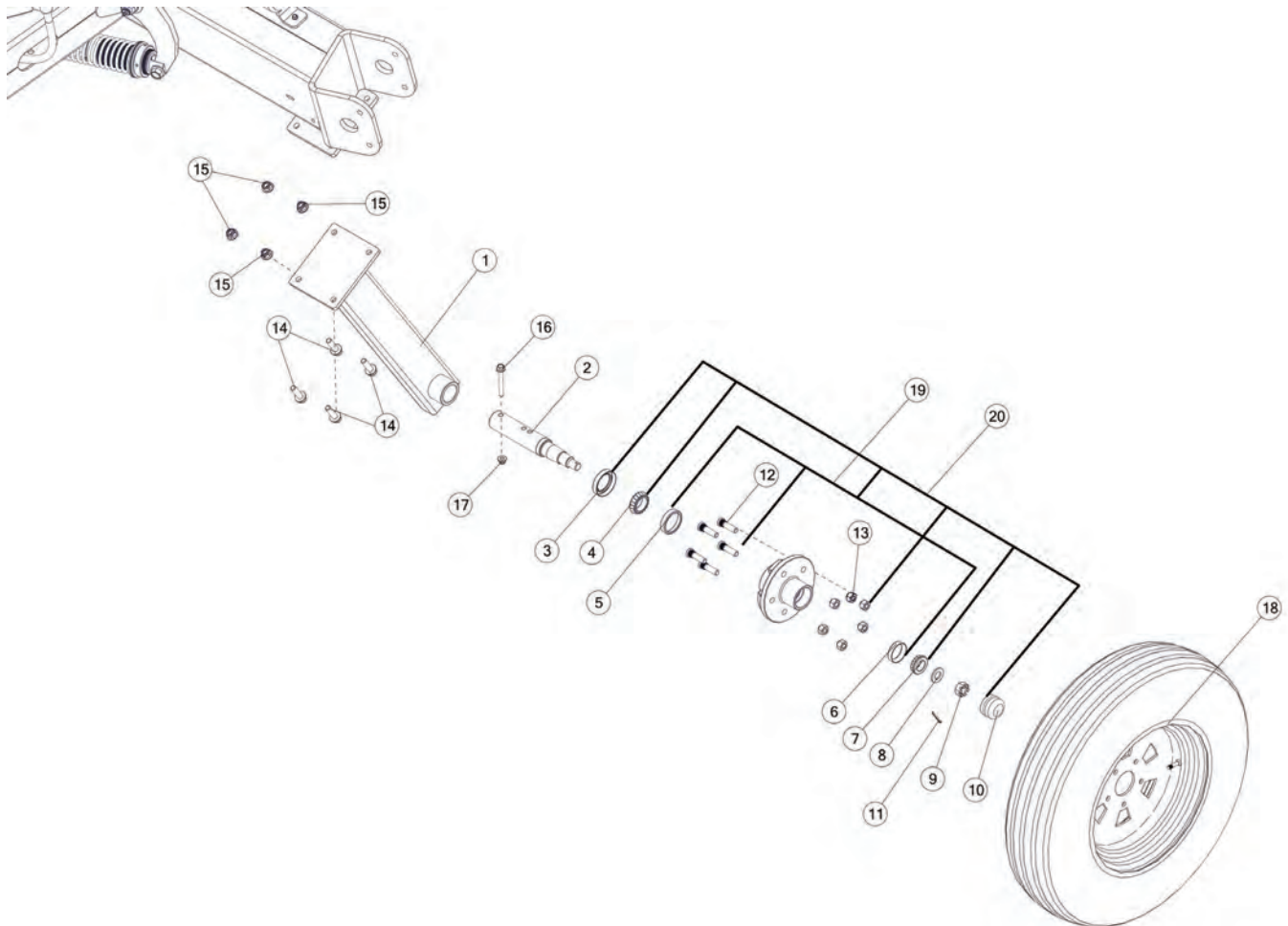




FIGURE 8
HYDRAULICS

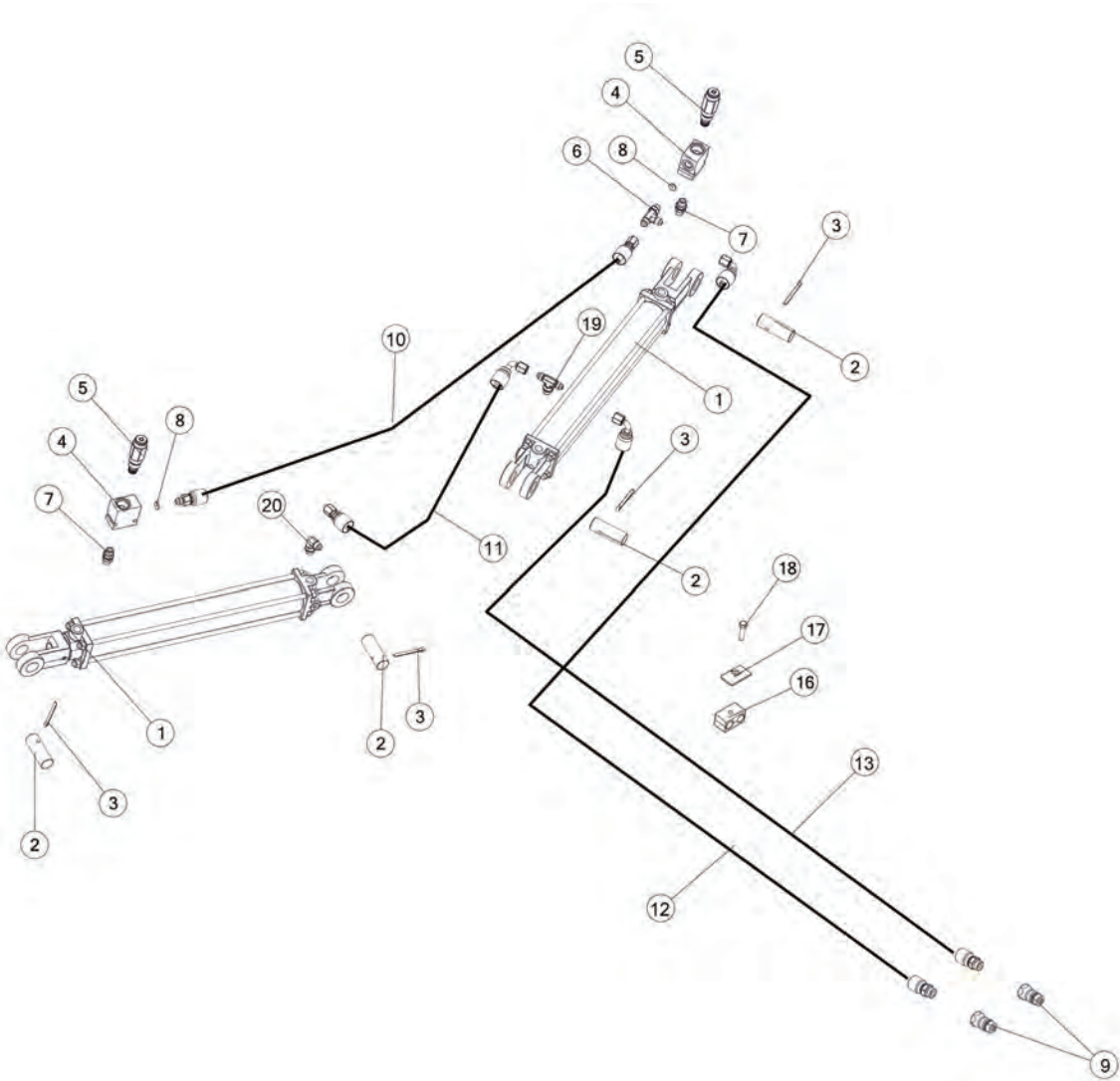






FIGURE 9
HYDRAULIC CYLINDER

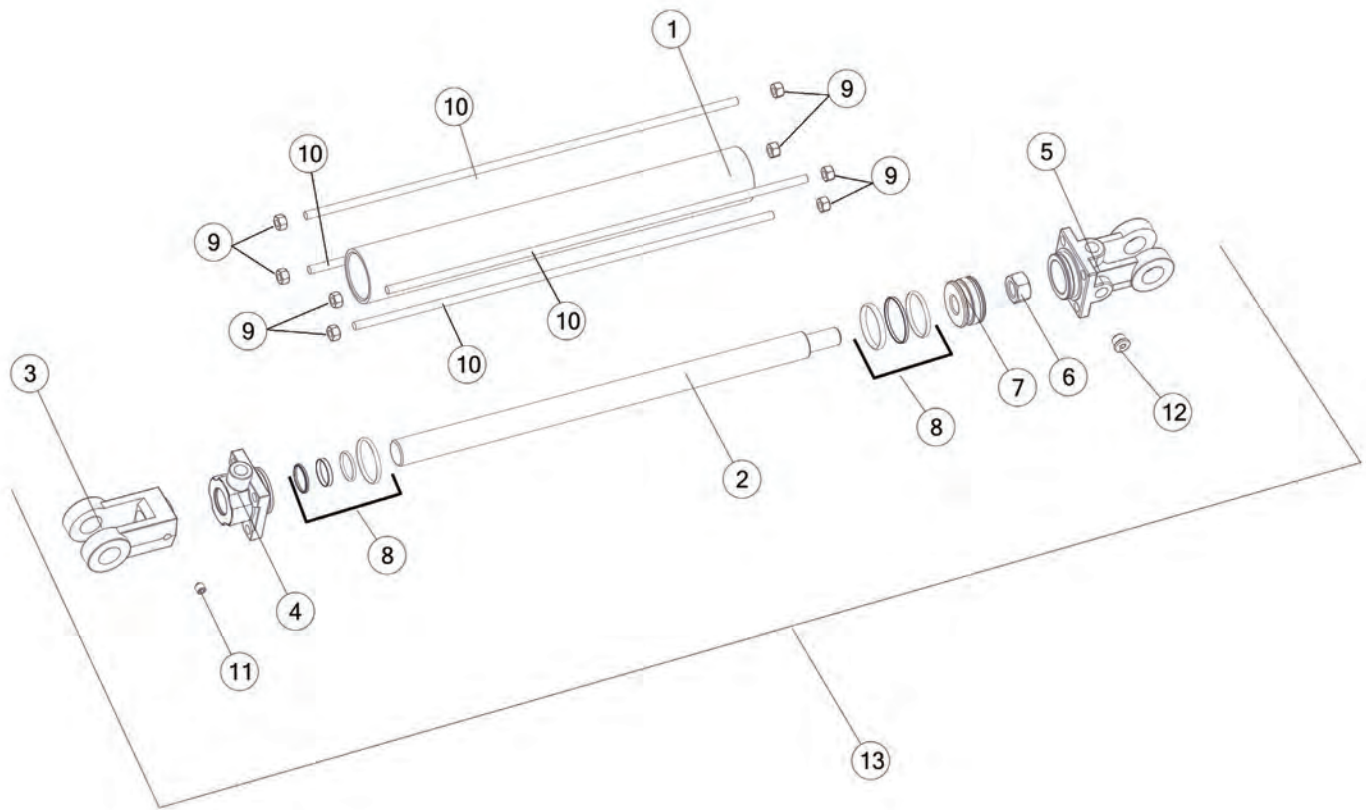




FIGURE 10
OPTIONAL KICKER WHEEL
(ARO2CKW)

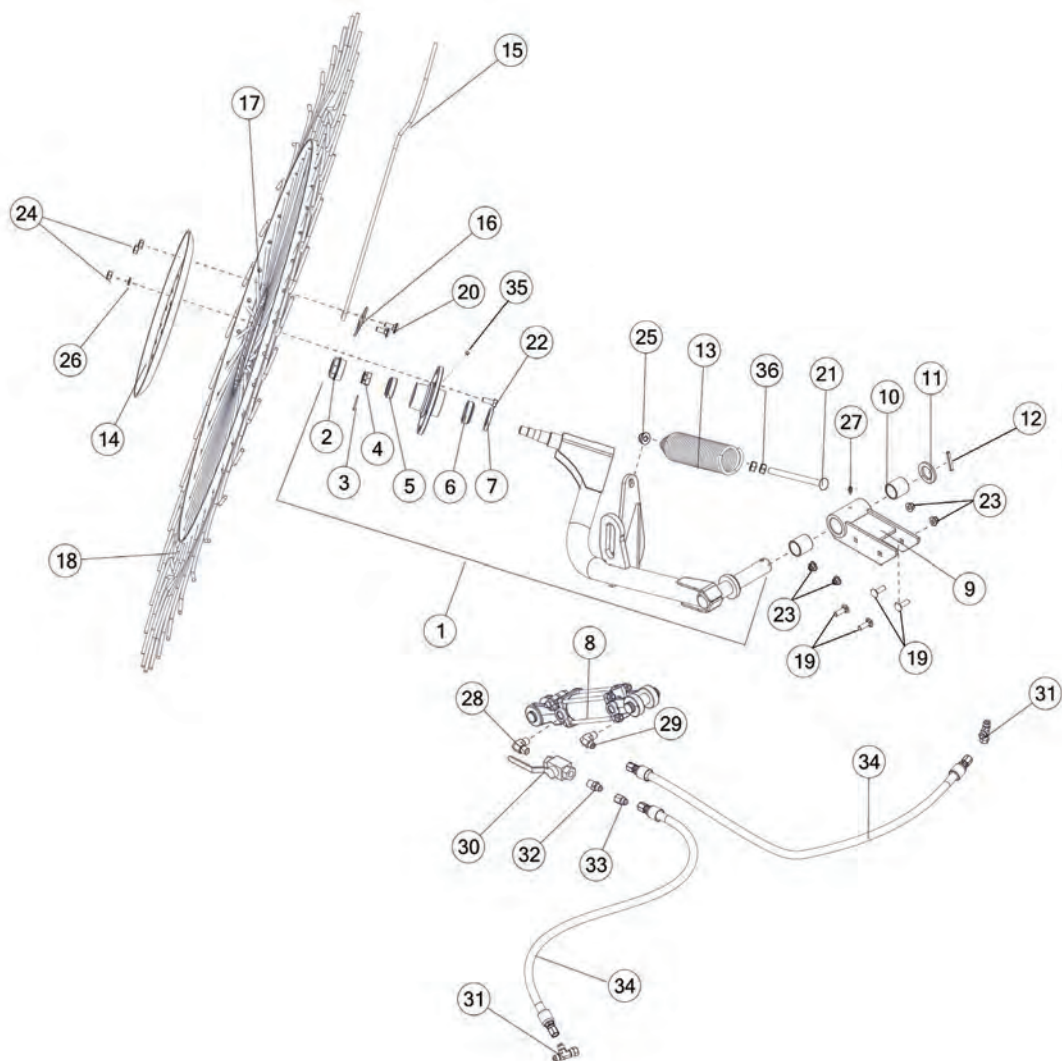




FIGURE 10

OPTIONAL KICKER WHEEL (ARO2CKW)

REF #	PART #	DESCRIPTION	QTY
1	89474	REAR CANDY CANE	1
2	T173	CAP, HUB, RAKE WHEEL	1
3	1088	CLIP, RETAINING	1
4	T172	NUT, HEX, 18MM - 1.5, CASTLE G2 NF	1
5	600014	TAPER BEARING, 1.85 X .75 COMPLETE	1
6	600012	TAPER BEARING, 2.05 X .75 COMPLETE	1
7	T163	SEAL, 2.05 X 1.25 X .25	1
8	89481	HYDRAULIC CYLINDER, 2 X 4	1
9	89470	KICKER WHEEL MOUNT	1
10	G16	BUSHING, BRONZE	2
11	BFR229	WASHER, SHIM .185 X 1.281 ID X 2 OD	1
12	YPEX10015	EXPANSION PIN, 5/16 X 1-3/4	1
13	75862	SPRING, EXTENSION, CANDY CANE	1
14	FR71	RAKE WHEEL CENTER, 60IN, BLACK	1
15	FR73	BIGGY RAKE WHEEL TOOTH, 60IN, BLACK	40
16	FR74	RAKE TOOTH CLIP BLACK	10
17	FR72	RAKE WHEEL BAND 60 IN, BLACK	1
18	FR70	RH RAKE WHEEL COMPLETE, 60IN	1
19	YBCR12020	BOLT CARRIAGE, 3/8-16 X 1-1/4 G5 ZC	4
20	YBCR76005	BOLT CARRIAGE, M10-1.5 X 25MM 8.8 NF	20
21	YBCR16060	BOLT CARRIAGE, 1/2-13 X 7 G5 ZC	1
22	YBHH76015	BOLT HEX, M10-1.5 X 25 10.9 ZC	6
23	YNFG12006	NUT FLANGE, 3/8 GF	4
24	YNHX76015	NUT HEX, M10-1.5 NA CL10 ZC	26
25	YNFG16003	NUT FLANGE, 1/2 GF	1
26	YWLO76015	WASHER, LOCK, M10	6
27	G89	STRAIGHT ZERK, 1/4-28	1
28	8002	3/8 NPT MALE TO MALE ELBOW	1
29	CHM164	FITTING, 90, 6JIC X 3/8NPT	1
30	59235	BALL VALVE, 3/8 HIGH PRESSURE	1
31	CHM242	FITTING, TEE, 6JIC X 6JIC X 6JIC	2
32	CHM202	FITTING, STRAIGHT, 06JIC X 06NPT	1
33	58144	IN-LINE CONNECTOR, ORIFICE, 6-XHX7-S .062	1
34	93195	HYDRAULIC HOSE, 6, 40.5	2
35	600034	GREASE NIPPLE	1
36	YNJM16005	NUT JAM, 1/2 A	2





FIGURE 11
OPTIONAL LIGHTS
(AROLIGHT2)

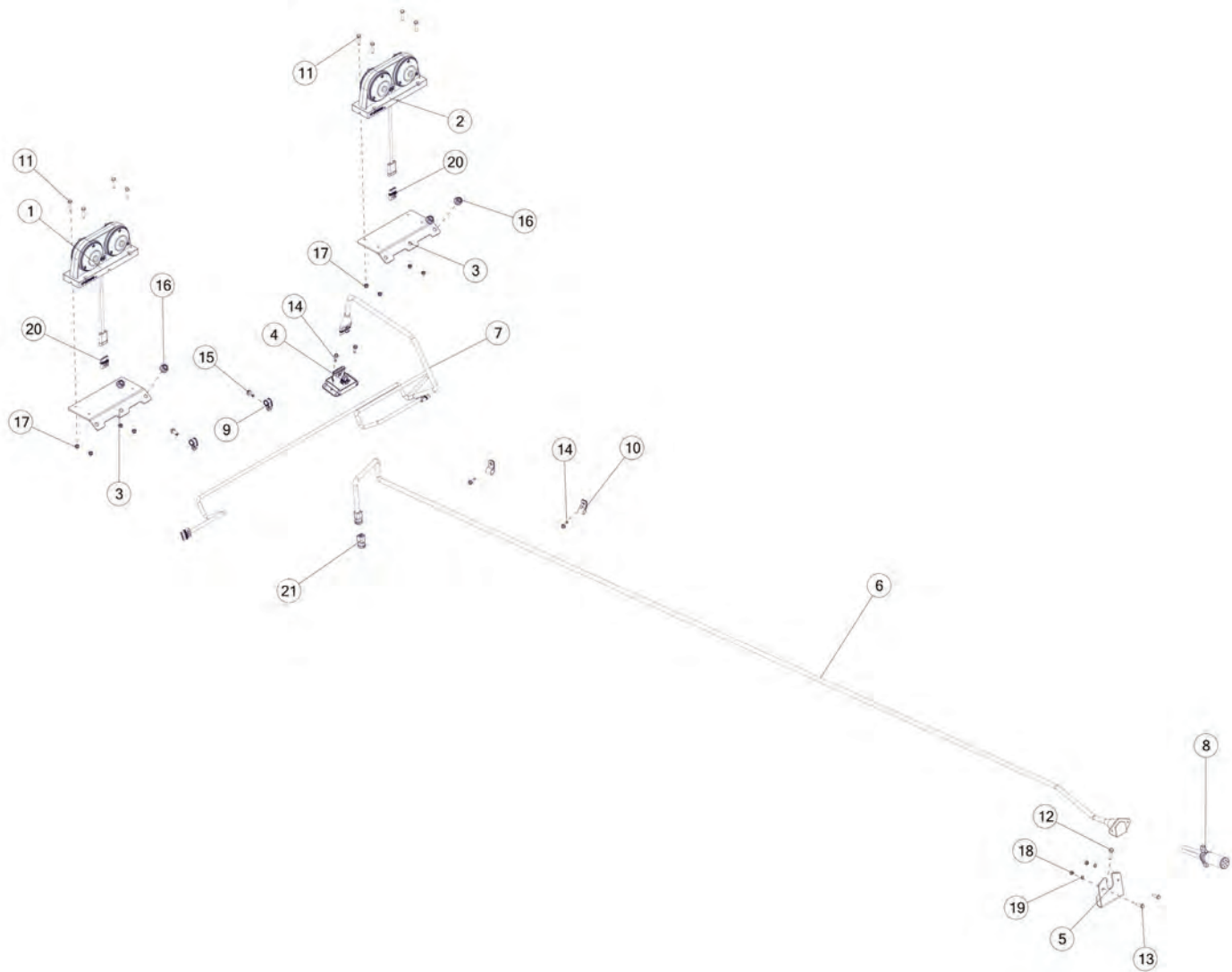




FIGURE 11

OPTIONAL LIGHTS

(AROLIGHT2)

REF #	PART #	DESCRIPTION	QTY
1	77924	TAIL LIGHT ASSY, RH	1
2	77923	TAIL LIGHT ASSY, LH	1
3	96052	LIGHT BRACKET	2
4	69908	MODULE, CONTROL, BLINKER	1
5	BFR659	LIGHT BRACKET	1
6	77986	LIGHT HARNESS	1
7	77990	ELEC HARNESS, LIGHT, REAR	1
8	TLPC	TRANSPORT LIGHT CORD	1
9	HGV162	RUBBER WIRE HOLDER, 1/2	2
10	HGV72	CUSHION WIRE CLAMP 3/4	2
11	YBHH08030	BOLT HEX, 1/4 X 1-1/4 GR 2	8
12	56568	CLAMP BOLT 5/16-18 x 1-3/8	1
13	YBHH08005	BOLT HEX, 1/4 X 1 GR 2	2
14	YSDR08005	SELF DRILL SCREW, HEX WASH HD, 1/4-14 X 1 ZC	4
15	YSHW10034	THREAD CUTTING SCREW, 5/16 X 3/4	2
16	YNFG16003	NUT FLANGE, 1/2 GF	4
17	YNNY08005	NUT HEX, 1/4-20 LKNY G2 ZC	8
18	YNHX08005	NUT HEX, 1/4-20 NAA ZC	2
19	YWLO08005	WASHER, LOCK, 1/4 ZC	2
20	74269	ELEC, WTHRPK, 4 WAY , FEMALE	2
21	75000	ELEC, WTHRPK, 4 SQ, MALE	1





FIGURE 12
OPTIONAL ONE-SIDED RAKING
(AROVK)

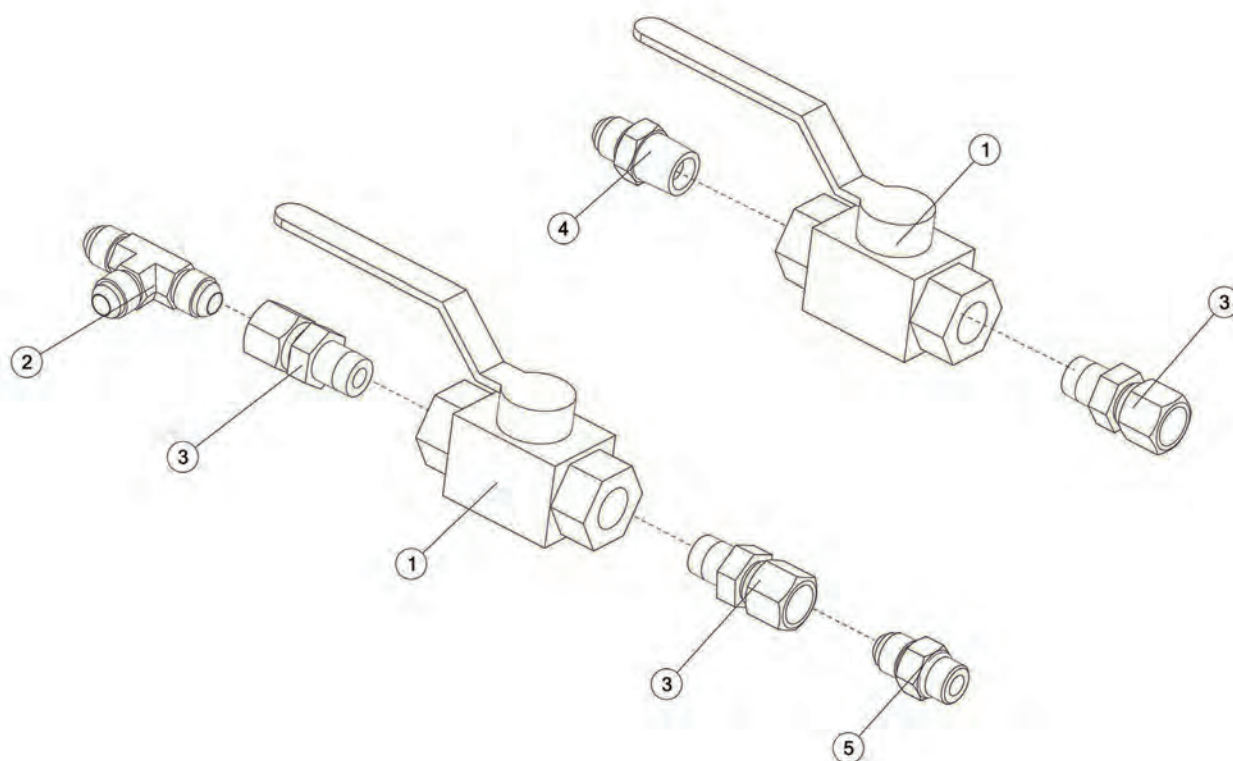
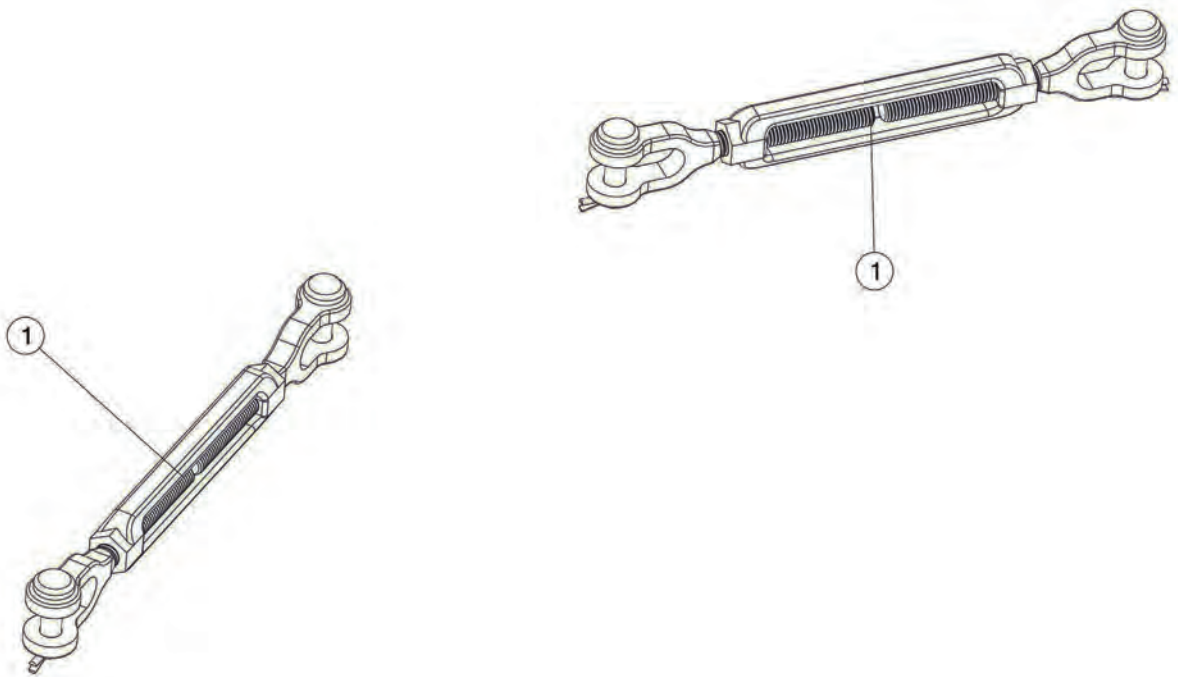




FIGURE 13
OPTIONAL TURNBUCKLE ADJUSTMENT
(AROTAK)





PARTS NOTES

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