

OPERATION AND PARTS MANUAL



GloBug MODEL GB113BC LIGHTING SYSTEM (FOR USE WITH MQ SERIES GENERATORS)

Revision #4 (01/06/09)

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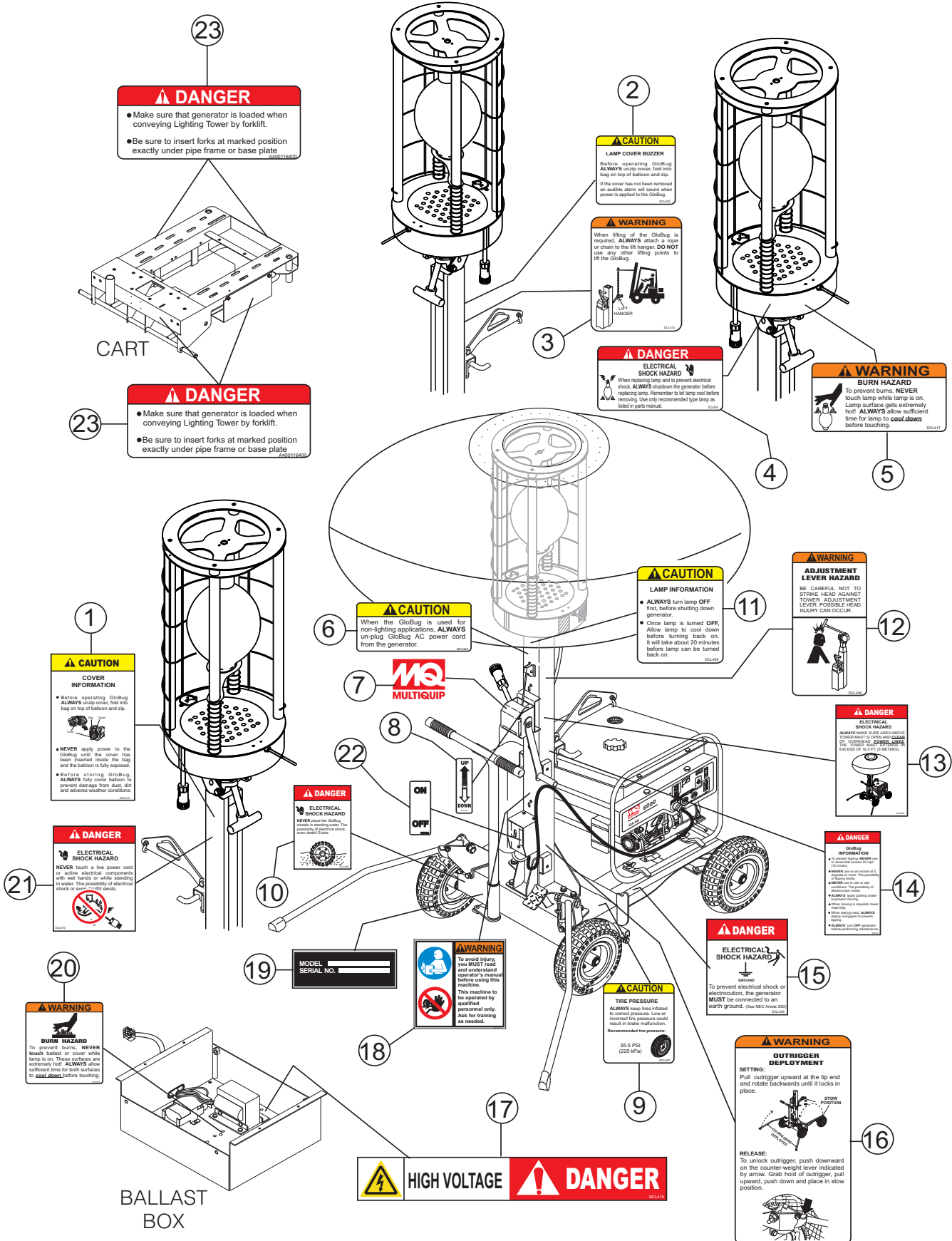
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GloBug LIGHTING SYSTEM **1 TO 3 UNITS**

<u>Qty.</u>	<u>P/N</u>	<u>Description</u>
2	E000009800	BULB
2	A300033800	BALLAST/TRANSFORMER
2	A300038400	CAPACITOR, 24 μ F @ 480 VDC
2	A100031301	BALLOON CLOTH
3	A400038300	FILTER 200 (AIR)

NAMEPLATE AND DECALS



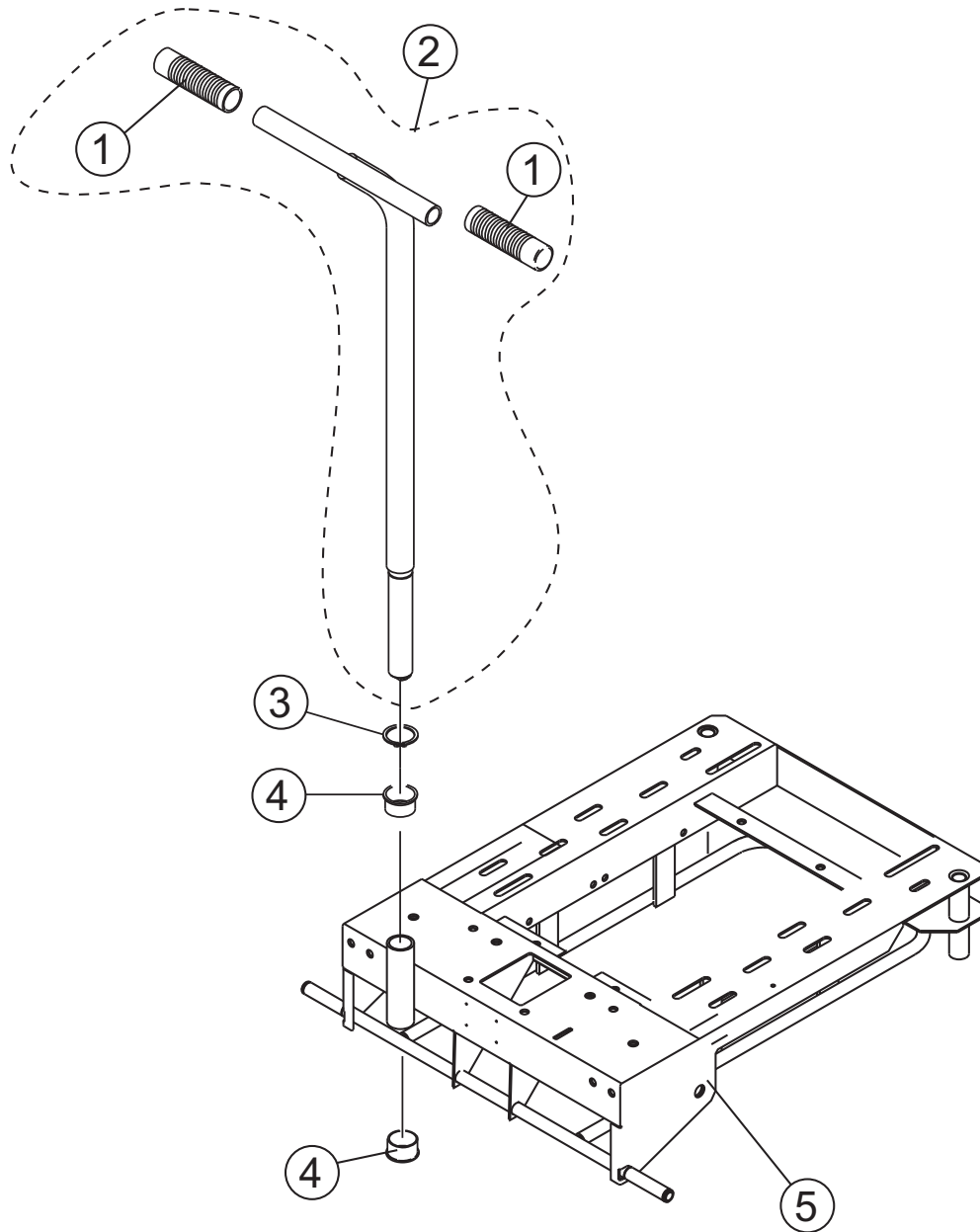
NAMEPLATE AND DECALS

NAMEPLATE AND DECALS.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	DCL413	DECAL; CAUTION COVER INFORMATION	1	
2	DCL404	DECAL; CAUTION LAMP COVER BUZZER	1	
3	DCL412	DECAL; WARNING, LIFT HANGER	1	
4	DCL416	DECAL; DANGER, ELECTRICAL SHOCK HAZ.	1	
5	DCL417	DECAL; WARNING, BURN HAZARD (LAMP)	1	
6	DCL402	DECAL; CAUTION, REMOVE POWER CORD	1	
7	DCL428	DECAL; MQ LOGO	1	
8	DCL401	DECAL; WINCH UP/DOWN	1	
9	DCL407	DECAL; CAUTION, TIRE PRESSURE	1	
10	DCL400	DECAL; DANGER, ELECTRICAL SHOCK (TIRES)	1	
11	DCL409	DECAL; CAUTION, LAMP INFORMATION	1	
12	DCL406	DECAL; WARNING, ADJ. LEVER HAZARD	1	
13	DCL403	DECAL; DANGER ELECTRIC SHOCK (GLOBUG)	1	
14	DCL411	DECAL; DANGER, GLOBUG INFORMATION	1	
15	DCL405	DECAL; DANGER, ELECTRICAL SHOCK (GND.)	1	
16	DCL414	DECAL; WARNING, OUTRIGGER DEPLOYMENT	1	
17	DCL418	DECAL; DANGER, HIGH VOLTAGE	1	
18	35137	DECAL; WARNING, READ MANUAL	1	
19		NAMEPLATE	1	 CONTACT MQ PARTS DEPT.
20	DCL415	DECAL; BURN HAZARD (BALLAST)	1	
21	DCL410	DECAL; DANGER, ELECTRICAL SHOCK (CORDS)	1	
22	DCL408	DECAL; ON/OFF	1	
23	A400116400	DECAL; FORKLIFT ALIGNMENT	4	

T-HANDLE ASSY.

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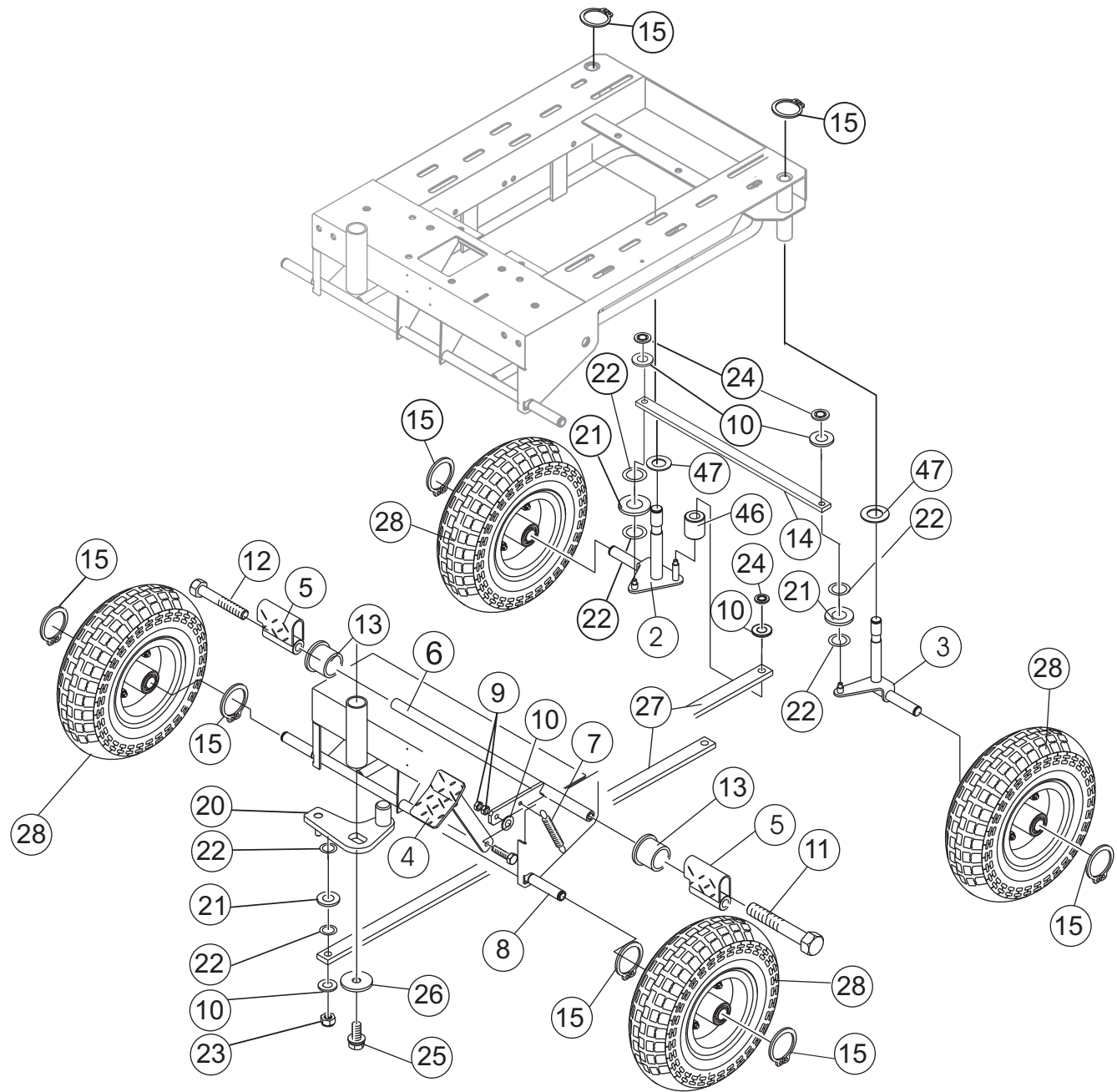
T-HANDLE ASSY.

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<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1*	1102700130	HANDLE GRIP	2	
2	A200023001	HANDLE	2	INCLUDES ITEM W/*
3	0040730000	SNAP RING (30)	1	
4	1503300130	SLEEVE BEARING (30DX34DX20)	2	
5	A100018905	BASE PLATE	1	

STEERING ASSY.

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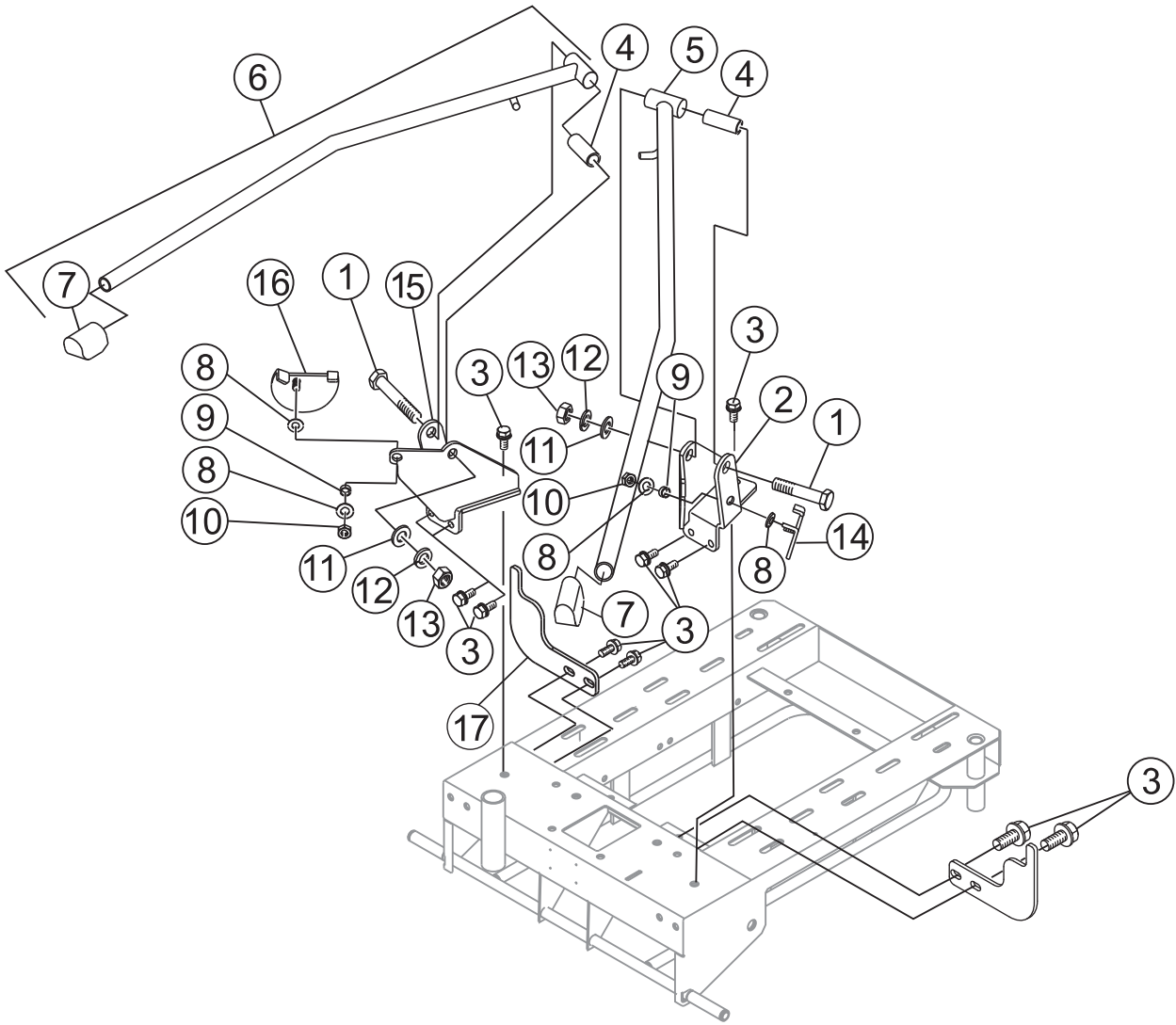


STEERING ASSY.

STEERING ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
2	A200022903	FRONT SHAFT (L)	1	
3	A200022803	FRONT SHAFT (R)	1	
4	2001200313	BRAKE PEDAL	1	
5	2071214010	BRAKE	2	
6	2071213211	BRAKE SHAFT	1	
7	1041000131	SPRING (BRAKE)	1	
8	0010308030	BOLT (M8x30) SUS	1	
9	0033108000	NUT (M8)	2	
10	0043108000	WASHER (M8)	5	
11	0013212075	BOLT (M12x75)	1	
12	1521120131	BOLT (M12x75) LEFT SCREW	1	
13	1503180130	SLEEVE BEARING (18Dx20Dx20)	2	
14	A400055501	LINK (FRONT SHAFT)	1	
15	0040720000	SNAP RING (20)	8	
20	A300090600	LINK, HANDLE	1	
21	0043112000	WASHER (M12)	1	
22	1504120130	WASHER (12.2Dx18Dx0.5T)	6	
23	0033208000	SELF LOCK NUT (M8)	1	
24	0030808000	PUSH NUT (8)	3	
25	0013512025	BOLT & WASHER (M12x25)	1	
26	0043112041	WASHER (12Dx40Dx3.2T)	1	
27	A400055401	LINK (STEERING)	1	
28	E000014500	TIRE ASSY (4.10/3.50-5)	4	
46	A400055101	SPACER	1	
47	E000031200	WASHER, (20Dx36Dx1.5)	2	

OUTRIGGER ASSY.



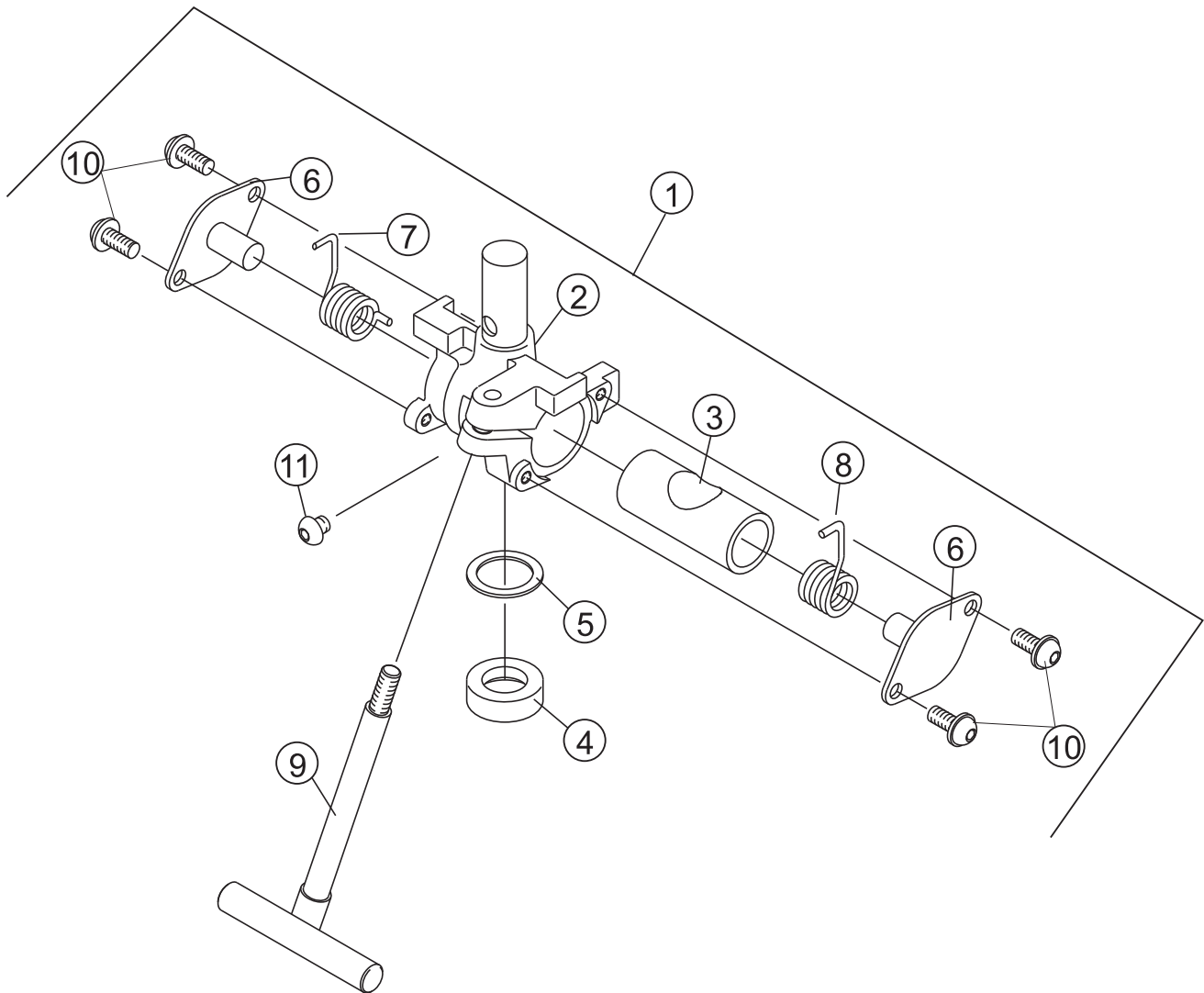
OUTRIGGER ASSY.

OUTRIGGER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0013116090	BOLT (M16x90)	2	
2	A100011601	BRACKET (OUT,R) R	1	
3	0013510025	BOLT & WASHER (M10x25)	10	
4	1501160111	SPACER (OUT,R)	2	
5	A200015303	OUTRIGGER R	1	INCLUDES ITEM W/*
6	A200015203	OUTRIGGER L	1	INCLUDES ITEM W/*
7*	1641000330	RUBBER FOOT	2	
8	0043110000	WASHER (M10)	4	
9	1501100430	SPACER (10.2dx13.8Dx6.5L)	2	
10	0033210000	SELF LOCK NUT (M10)	2	
11	0043116000	WASHER (M16)	2	
12	0043216000	WASHER, SPRING (M16)	2	
13	0033116000	NUT (M16)	2	
14	2031321113	WEIGHT (OUT,R) R	1	
15	A100011501	BRACKET (OUT,R) L	1	
16	2031320213	WEIGHT (OUT,R) L	1	
17	A400033402	CATCHER (OUTRIGGER)	2	

MAST ADAPTER ASSY.

MAST ADAPTER ASSY.



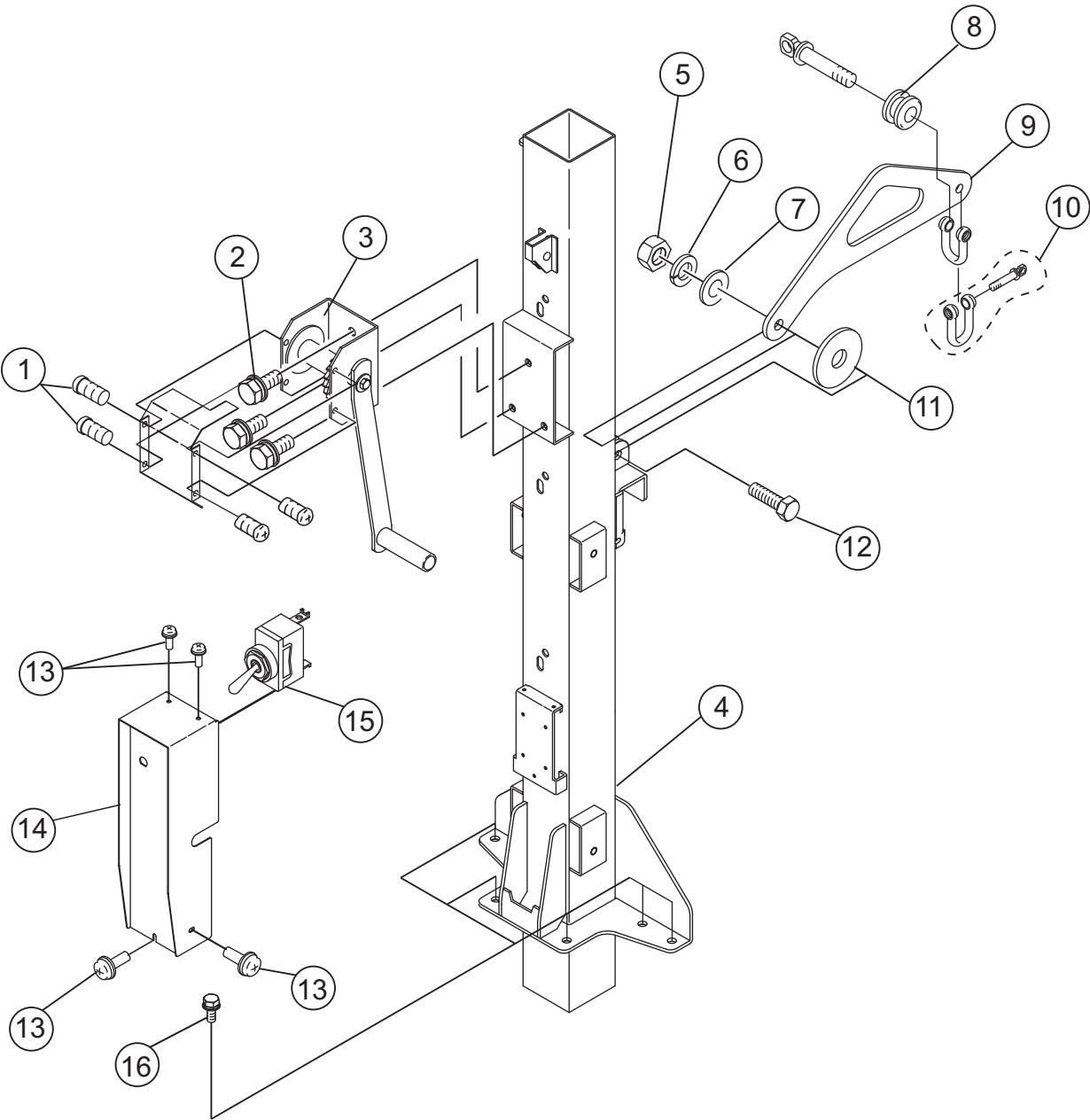
MAST ADAPTER ASSY.

MAST ADAPTER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	2202390100	STAND ASSY.	1	INCLUDES ITEMS W/*
2*	2202390112	STAND	1	
3*	2202500130	SHAFT (STAND)	1	
4	2202500230	SPACER (STAND)	1	
5	1502280130	WASHER	1	
6*	2202520110	COVER (SPRING)	2	
7*	1043002030	SPRING (STAND) L	1	
8*	1043002130	SPRING (STAND) R	1	
9	A400038801	GRIP SHAFT	1	
10*	0014808025	BUTTON BOLT & WASHER (M8 X 15)	4	
11	0014708010	BUTTON BOLT (M8 X10)	1	

MAIN MAST ASSY.

MAIN MAST ASSY.

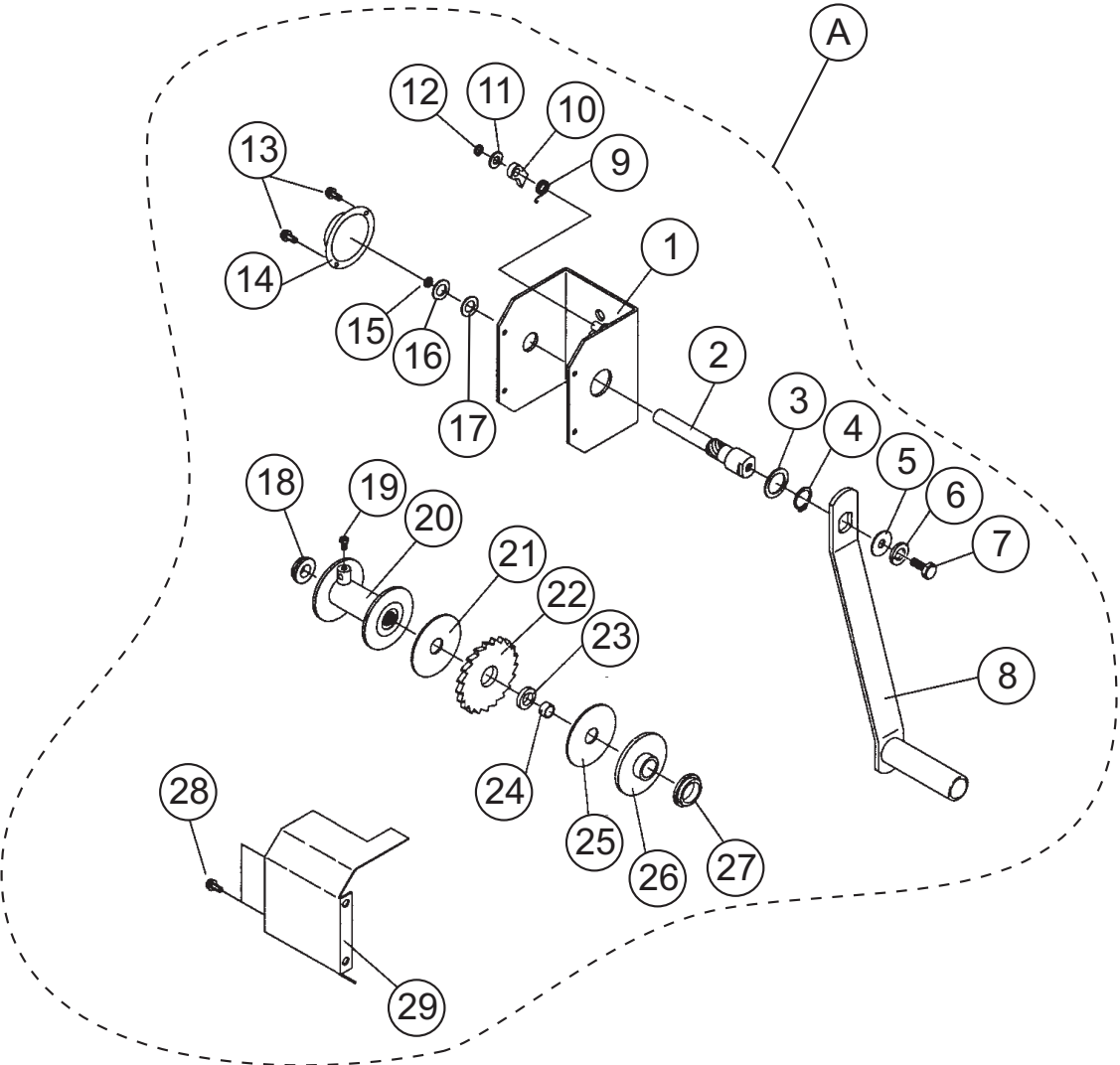


MAIN MAST ASSY.

MAIN MAST ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0020105008	SCREW & WASHER, M5X8	4	
2	0013510025	BOLT & WASHER (M10x25)	3	
3	1011000701	WINCH HM-G103	1	
4	A100028105	FIRST MAST	1	
5	0033112000	NUT (M12)	1	
6	0043212000	WASHER, LOCK (M12)	1	
7	0043112000	WASHER (M12)	1	
8	1642001430	GROMMET	1	
9	1052001710	HANGER	1	
10	1711080130	SHACKLE, W/BOLT	2	
11	0043112041	WASHER (12dx40Dx3.2t)	1	
12	0013112040	BOLT (M12x40)	1	
13	0023305015	SCREW & WASHER (M5x15)	5	
14	A200039400	SWITCH COVER	1	FOR FIRST MAST
15	A300117800	SWITCH ASSY.	1	
16	0013512025	BOLT & WASHER (M12x25)	6	

WINCH ASSY.



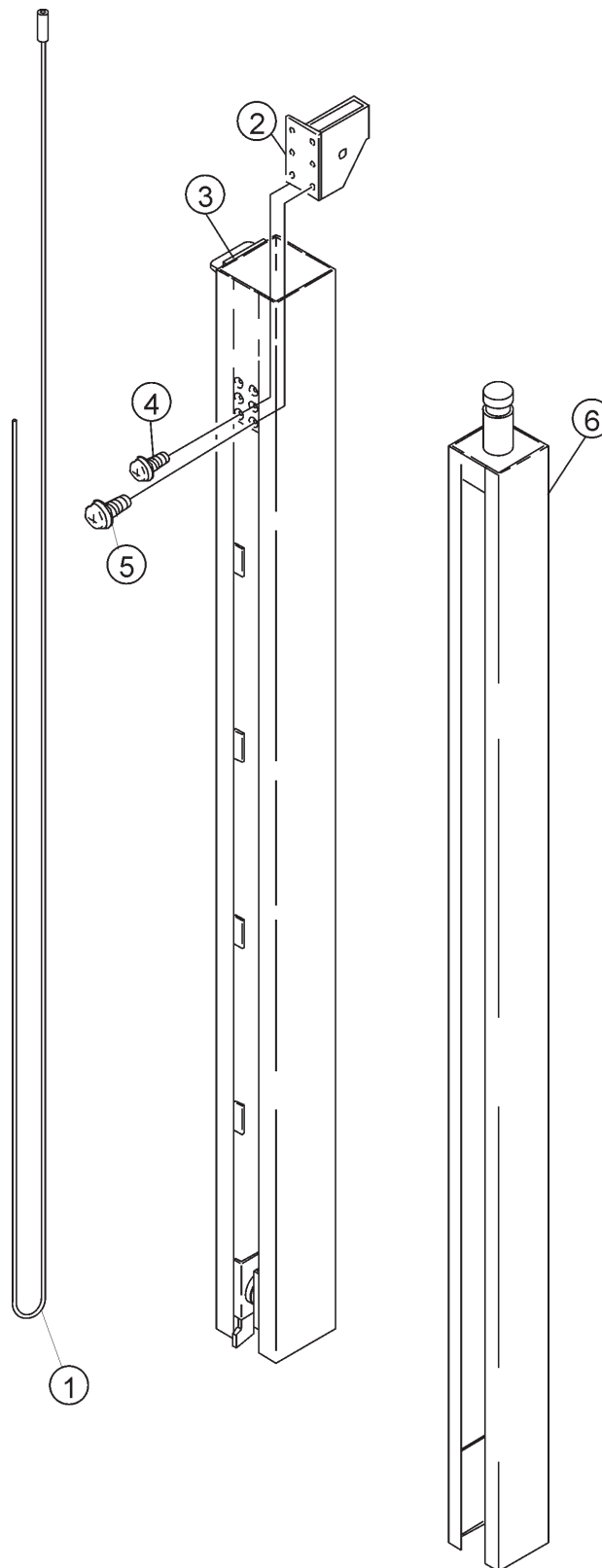
WINCH ASSY.

WINCH ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
A	1011000701	WINCH HM-G103	1	INCLUDES ITEMS W/*
1*	E000049800	FRAME	1	
2*	E000049900	DRUM SHAFT	1	
3*	E000050000	WASHER	1	
4*	E000050100	SNAP RING	1	
5*	1011001460	WASHER	1	
6*	030208200	WASHER, LOCK M8	1	
7*	0010108015	BOLT, M8X15	1	
8*	1011001361	HANDLE	1	
9*	1011000460	SPRING	1	
10*	1011000360	RACHET	1	
11*	0043108000	WASHER, M8	1	
12*	0040707000	SNAP RING, 7	1	
13*	0020403006	SCREW, M3X6 TRUSS HEAD	2	
14*	E000050200	COVER	1	
15*	E000050300	SNAP RING	1	
16*	E000050400	WASHER	1	
17*	E000051100	WAVE WASHER	1	
18*	E000050500	PLASTIC WASHER 1	1	
19*	0001050410	BOLT, M4X10	1	
20*	1011000760	DRUM PIPE	1	
21*	E000050600	LINING 2	1	
22*	1011000960	RATCHET GEAR	1	
23*	E000050700	COLLAR 1	1	
24*	E000050800	COLLAR 2	1	
25*	1011000860	LINING 1	1	
26*	E000050900	BACK PLATE	1	
27*	E000051000	PLASTIC WASHER 2	1	
28*	1011000260	COVER	1	
29*	0020105008	SCREW & WASHER, M5X8	4	

MAST SECTION ASSY.

MAST SECTION ASSY.



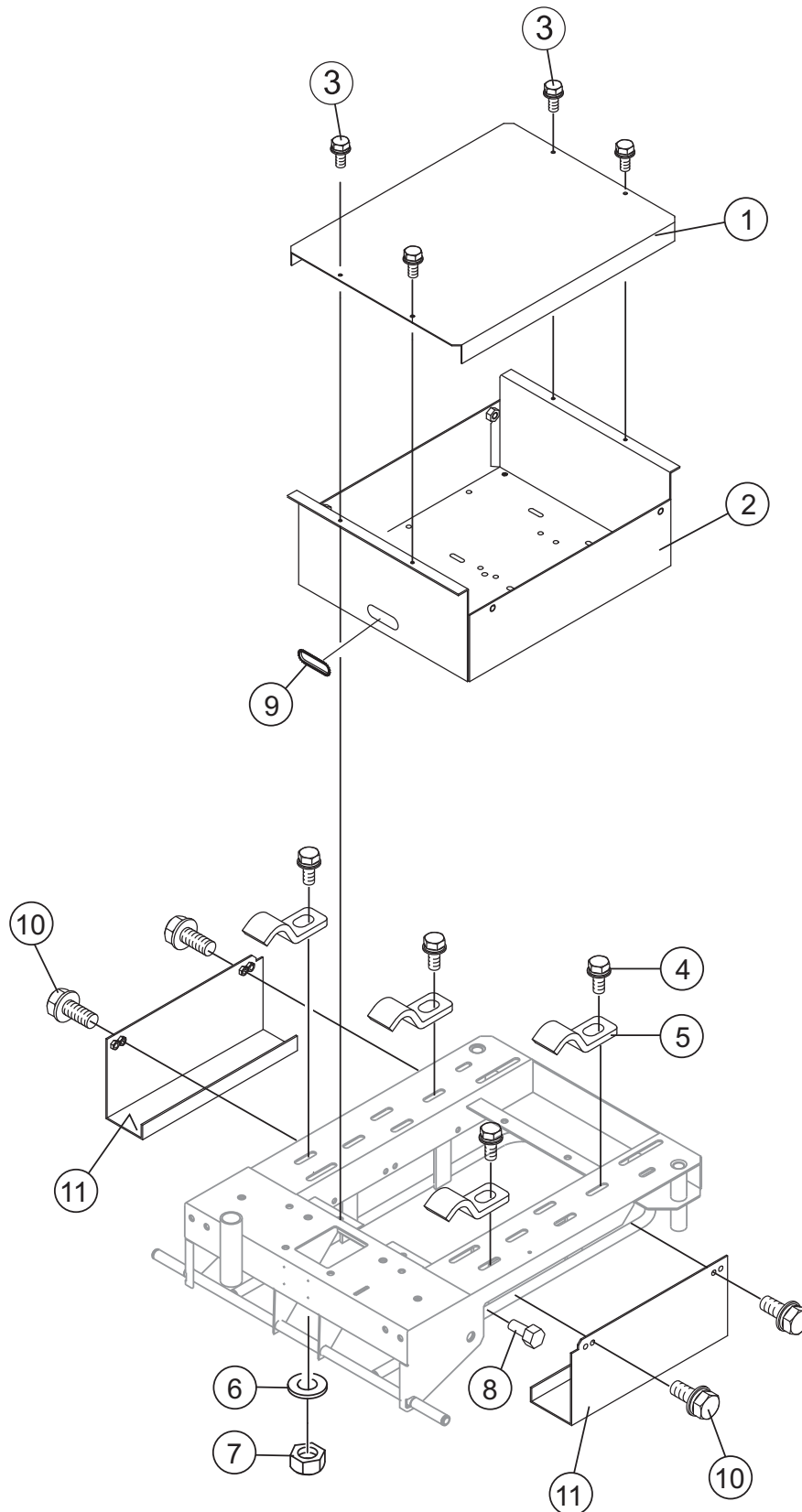
MAST SECTION ASSY.

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<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	1031040113	WIRE (4Dx4800L)	1	
2	2002262010	BRACKET (PULLEY)	1	MAST SECTION 2
3	A200027200	SECOND MAST	1	
4	0023204010	SCREW (M4x10)	3	
5	0023204006	SCREW (M4x6)	3	
6	A200027301	THIRD MAST	1	

BASEPLATE COVER ASSY.

BASEPLATE COVER ASSY.

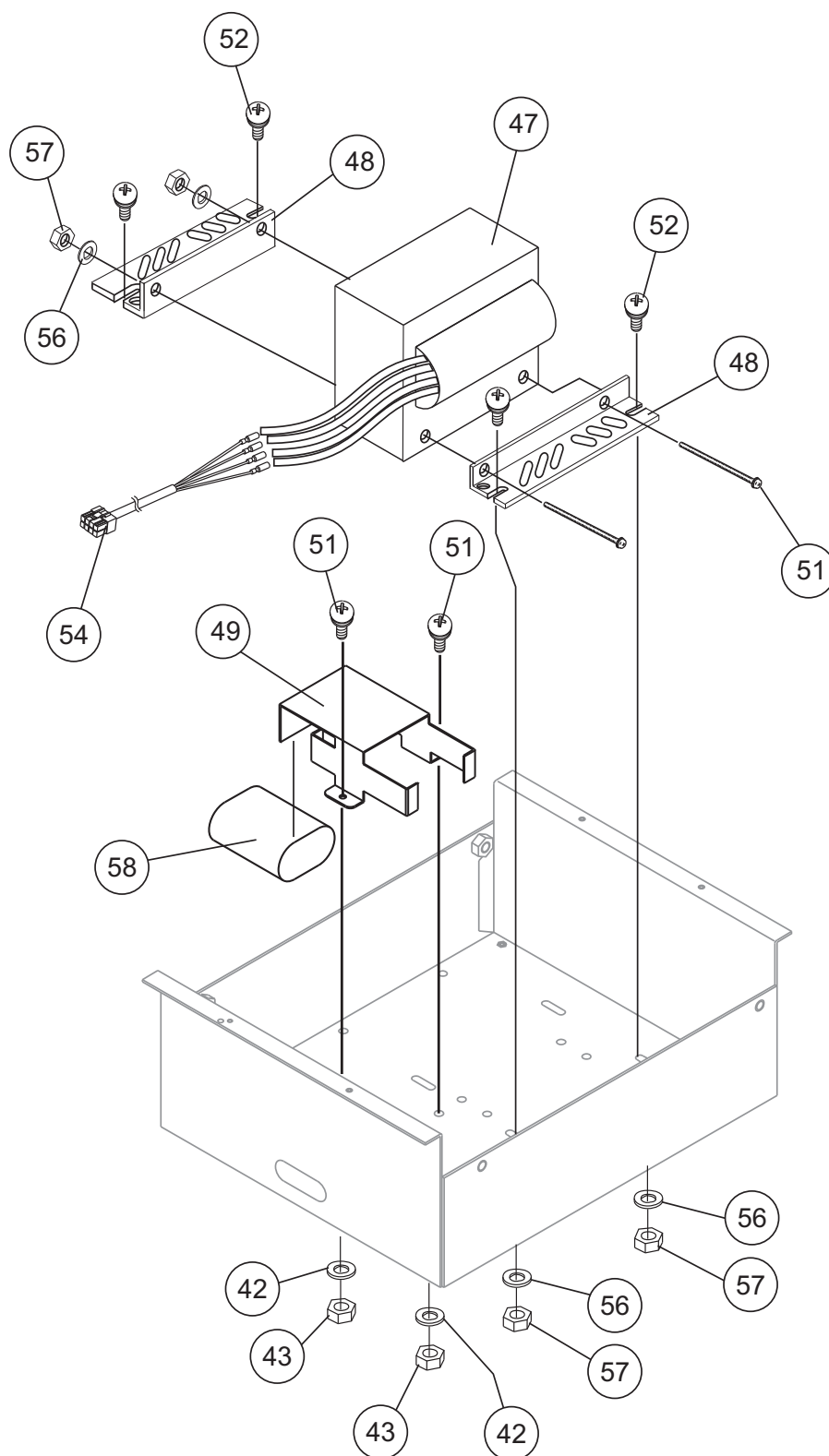


BASEPLATE COVER ASSY.

BASEPLATE COVER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A100030101	COVER (BALLAST)	1	
2	A100030203	BOX (BALLAST) CP	1	
3	0013510025	BOLT & WASHER (M10x25)	4	
4	0013512025	BOLT & WASHER (M12x25)	4	
5	A400041101	STOPPER	4	
6	0043112000	WASHER (M12)	4	
7	0033112000	NUT (M12)	4	
8	0013106010	BOLT (M6x10)	1	
9	E000032100	FREE BUSH	1	
10	0013508015	BOLT & WASHER (M8x25)	4	
11	A300087403	SIDE GUARD	2	

BALLAST ASSY.



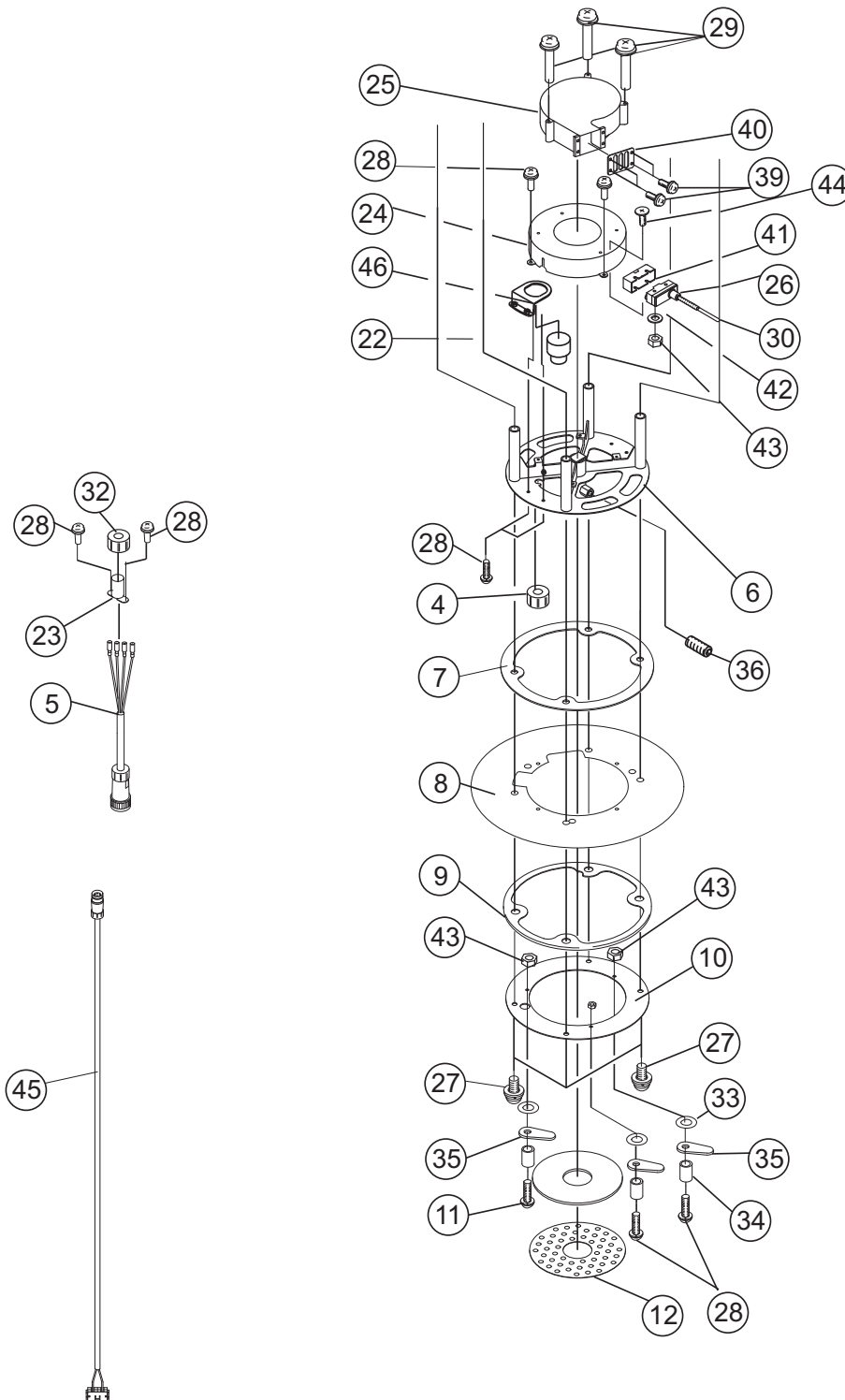
BALLAST ASSY.

BALLAST ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
42	GB0043104000	WASHER, (M4)	4	
43	0033104000	NUT, (M4)	7	
47	A300033800	BALLAST, CP	1	
48	E000056800	BALLAST HOLDER	2	
49	A200018200	HOLDER	1	
50	0023305015	SCREW & WASHER, (M5x15)	2	
51	0023305090	SCREW & WASHER, (M5x90)	2	
52	0013505015	BOLT & WASHER, (5x15)	2	
54	A300105600	CABLE, BALLAST CP	1	
56	0043105000	WASHER, (M5)	6	
57	0033105000	NUT, (M5)	6	
58	A300038400	CAPACITOR, 24 F @480 VDC	1	

FAN BLOWER/LAMP BASE ASSY.

FAN BLOWER/LAMP BASE ASSY.



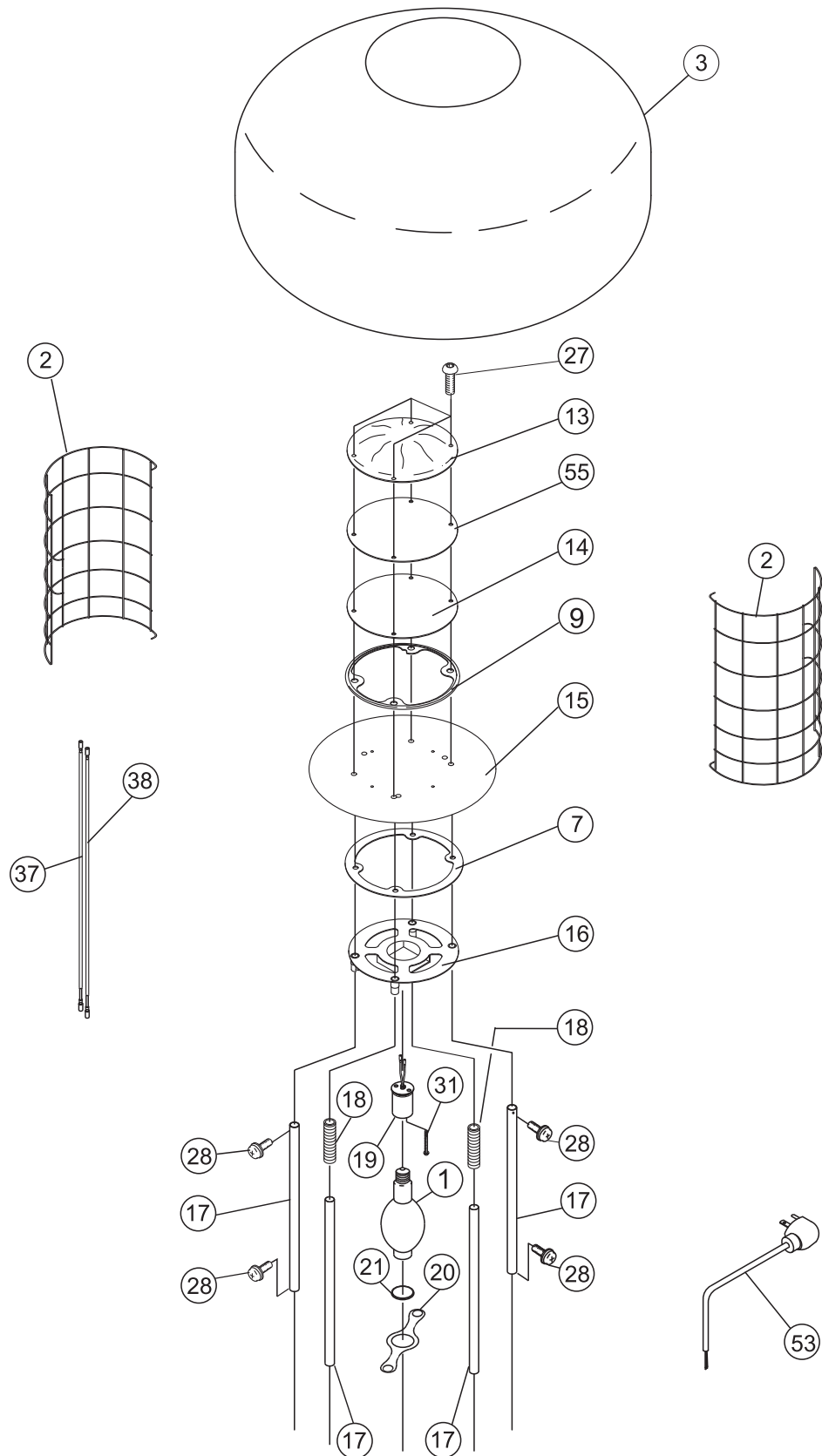
FAN BLOWER/LAMP BASE ASSY.

FAN BLOWER/LAMP BASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
4	E000045000	CABLE CLAMP	1	
5	A300105500	CABLE 1 (BALLOON) CP	1	
6	A100013302	FLANGE	1	
7	2204500130	SEAL (NORMAL)	1	
8	1800001100	SHEET (BOTTOM)	1	
9	2204500230	PACKING	1	
10	A300034400	PLATE (BOTTOM)	1	
11	A400038300	FILTER 200 (AIR)30	1	
12	A200018000	PLATE (AIR)	1	
22	E000030100	BUZZER	1	
23	A400038901	COVER, WIRE	1	
24	A200017702	VESSEL	1	
25	A300033500	FAN MOTOR CP	1	
26	1400150210	MICRO SWITCH	1	
27	0014808025	BUTTON SCREW & WASHER (M8x25)	8	
28	0024304008	SCREW (M4x8)	9	
29	0023305060	SCREW & WASHER (M5x60)	3	
30	1400150410	MICRO SWITCH CAP (SENSOR)	1	
32	E000011900	COVER	1	
33	E000009701	WAVE WASHER (M5)	3	
34	E000010301	SPACER	3	
35	A400030700	STOPPER (FILTER) CP	3	
36	0021710025	SET SCREW (M10x25)	1	
39	0023105008	SCREW (M5x8)	4	
40	A400037400	GUARD (FAN)	1	
41	1400150300	MICRO SWITCH COVER	1	
42	0043104000	WASHER (M4)	4	
43	0033104000	NUT (M4)	5	
44	0023204030	SCREW (M4x30)	2	
45	A300105800	CABLE 2 (BALLOON) CP	1	
46	A400038601	BRACKET, BUZZER	1	

BALLOON/LAMP GUARD ASSY.

BALLOON/LAMP GUARD ASSY.



BALLOON/LAMP GUARD ASSY.

BALLOON/LAMP GUARD ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	E000009800	LAMP	1	
2	A100010800	LAMP GUARD	2	
3	A100031301	BALLOON CLOTH CP	1	
7	2204500130	SEAL, NORMAL	1	
9	2204500230	PACKING	1	
13	A100028502	RED BALLOON COVER	1	
14	2204220130	PLATE (CAP)	1	
15	1800001000	SHEET (TOP)	1	
16	A300026901	PLATE (LAMP)	1	
17	2204400130	FRAME PIPE	4	
18	2204231530	SPRING (LAMP)	2	
19	E000009601	SOCKET ASSY	1	
20	A300032700	PLATE (LAMP HOLDER)	1	
21	2204231730	RUBBER (LAMP) L=210	1	
27	0014808025	BUTTON SCREW & WASHER (M8x25)	8	
28	0024304008	SCREW (M4x8)	8	
31	0025304025	SCREW & WASHER (M4x25)	2	
37	A400038400	CABLE (LAMP) 1 R CP	1	
38	A400038501	CABLE (LAMP) 1 W CP	1	
53	A300118000	CABLE, MAIN CP	1	
55	A300060202	SEAL, (TOP)	1	