

OPERATION AND PARTS MANUAL



GloBug MODELS GB12BW/BS/BP LIGHTING SYSTEM

Revision #2 (11/03/08)

THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

TABLE OF CONTENTS

MQ GLOBUG LIGHTING SYSTEM

Table Of Contents	2
Parts Ordering Procedures	3
Safety Message Alert Symbols	4
Rules For Safe Operation	5-7
Specifications	8
Dimensions (GB12BW)	9
Dimensions (GB12BS)	10
Dimensions (GB12BP)	11
Floodlight Footcandle Plot	12
General Information	13
Major Components	14-15
Setup (GB12BW)	16-18
Operation (GB12BW)	19
Shutdown (GB12BW/GB12BS)	19
Storage (GB12BW/GB12BS)	19
Setup (GB12BS)	21-22
Operation (GB12BS)	23
Maintenance	24-29
Troubleshooting (Lamps)	30
Troubleshooting (Mast)	31
Explanation Of Codes In Remarks Column	32
Suggested Spare Parts	33

COMPONENT DRAWINGS

Nameplate and Decals Assembly	34-35
Mast/Tripod Assembly (GB12BW)	36-37
Fan Blower/Lamp Base Assembly (GB12BP)	38-39
Balloon/Lamp Guard Assembly (GB12BP)	40-41
Offset Pole Assembly (GB12BS)	42-43

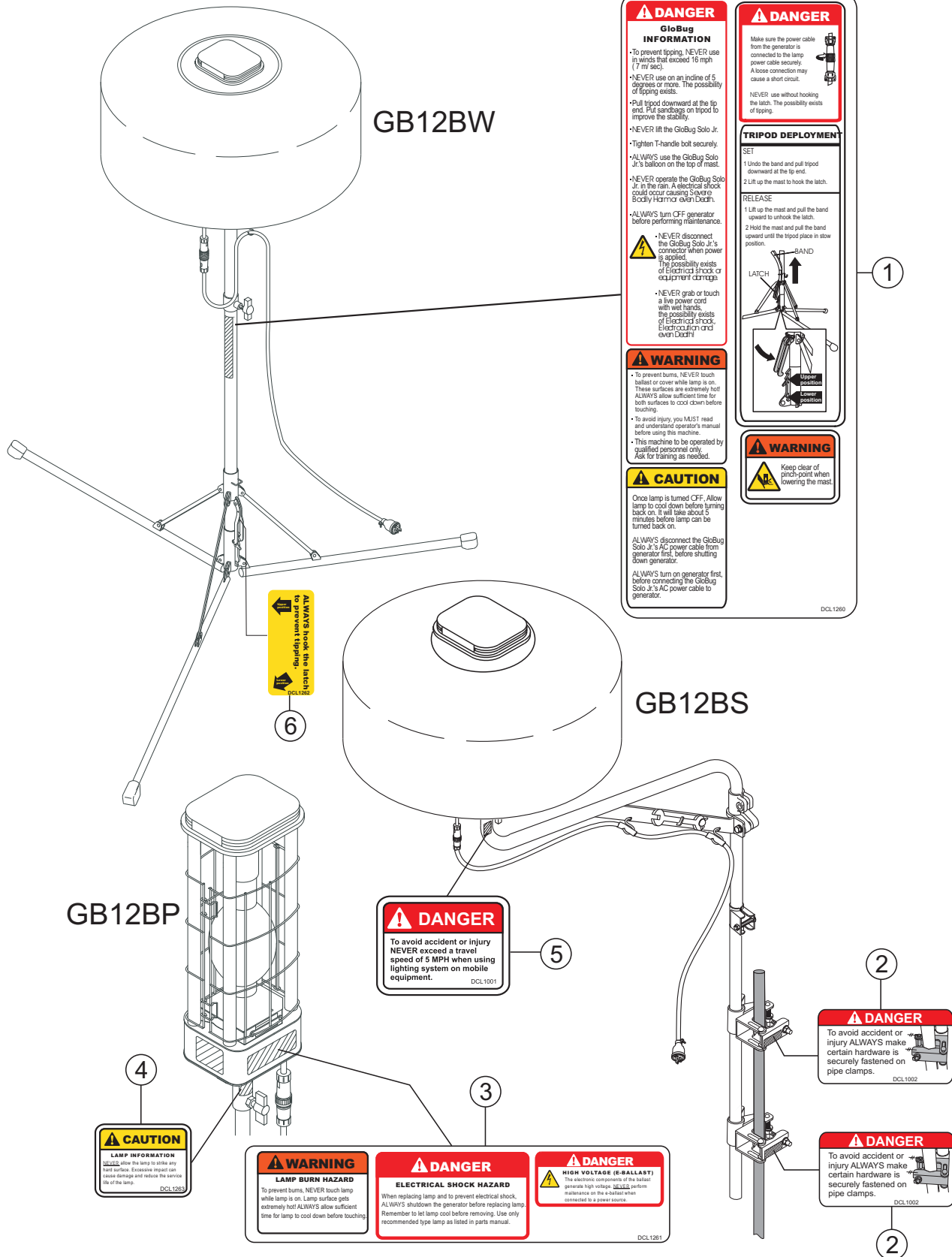
Terms and Conditions Of Sale — Parts	50
--	----

GloBug LIGHTING SYSTEM *1 TO 3 UNITS*

<u>Qty.</u>	<u>P/N</u>	<u>Description</u>
2	E000031700	BULB
2	A300135300	ELECTRICAL BALLAST
2	A100015901	BALLOON CLOTH

GB12BW/BS/BP LIGHTING SYSTEM — NAMEPLATE AND DECALS

NAMEPLATE AND DECALS.



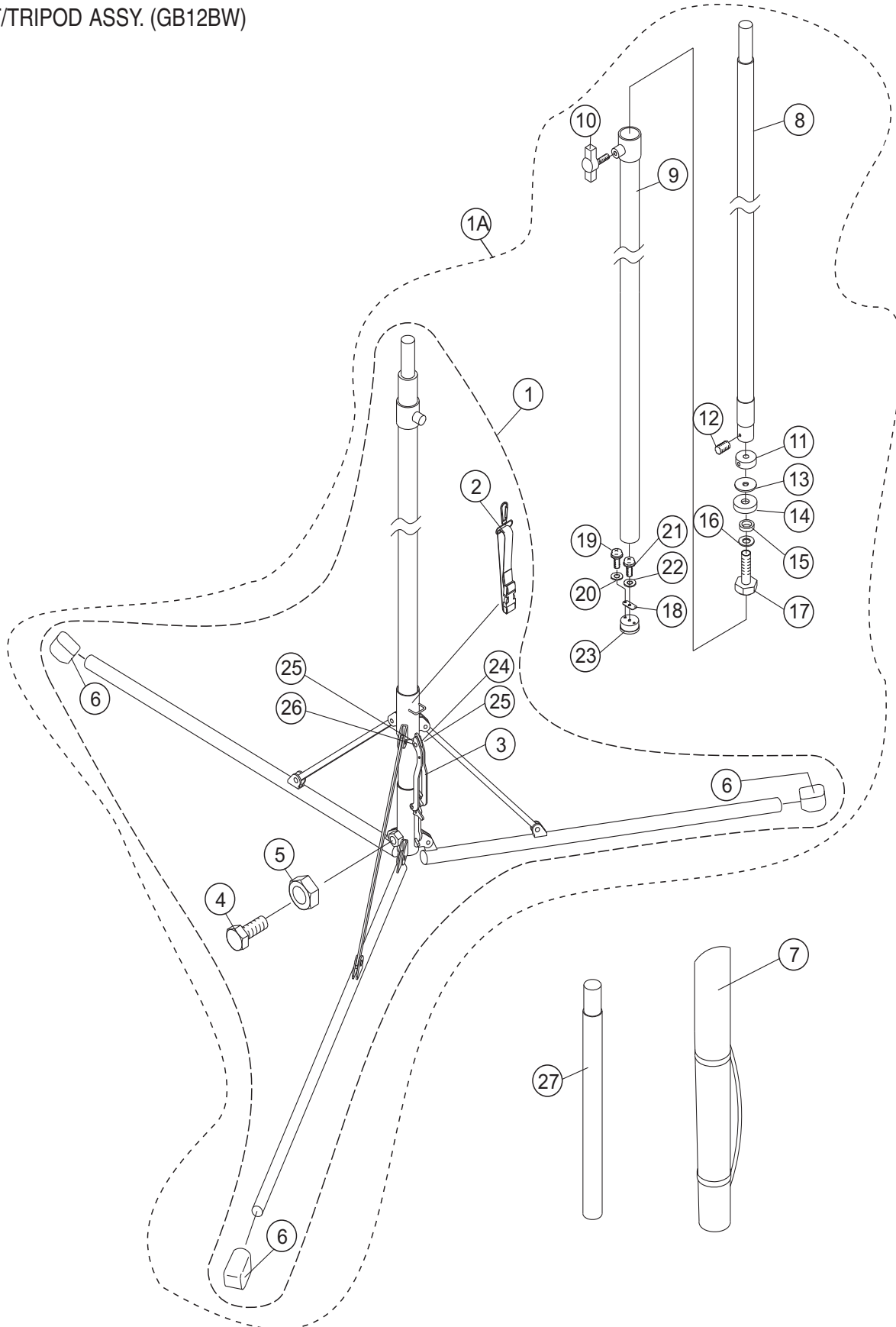
GB12BW/BS/BP LIGHTING SYSTEM— NAMEPLATE AND DECALS

NAMEPLATE AND DECALS.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	DCL1260	DECAL; DANGER, CAUTION, WARNING INFO.	1	
2	DCL1002	DECAL; DANGER, PIPE CLAMP	1	
3	DCL1261	DECAL; DANGER, ELECTRICAL SHOCK HAZ. WARNING, BURN HAZARD (LAMP) DANGER, HIGH VOLTAGE	1	
4	DCL1263	DECAL; CAUTION, LAMP INFORMATION	1	
5	DCL1001	DECAL; DANGER, TRAVEL SPEED	1	
6	DCL1262	DECAL; LATCH	1	

GB12BW/BS/BP LIGHTING SYSTEM — MAST/TRIPOD ASSY. (GB12BW)

MAST/TRIPOD ASSY. (GB12BW)



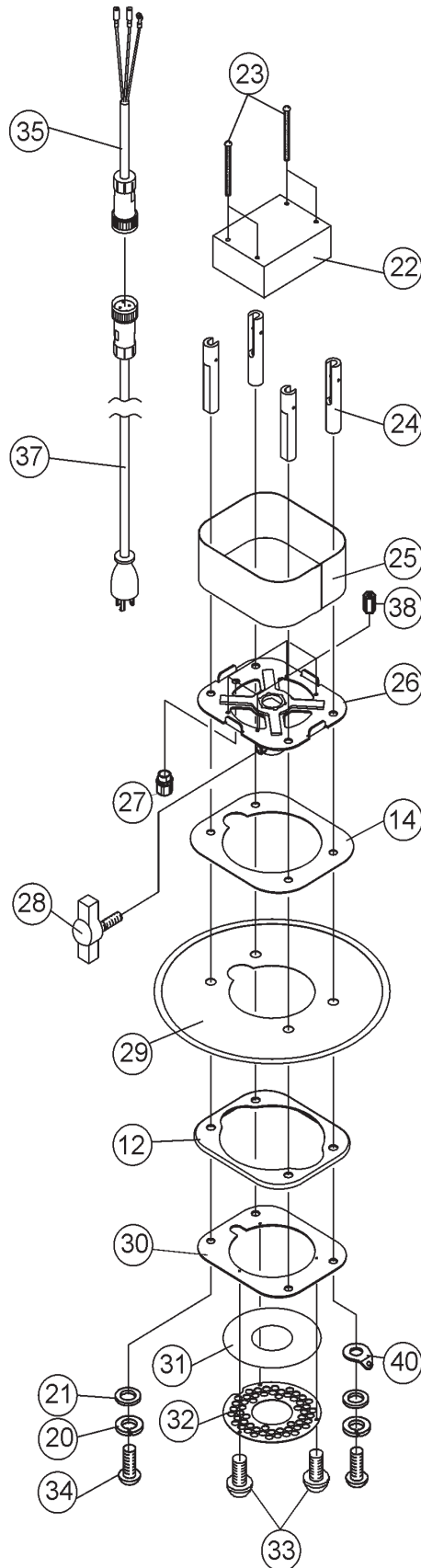
GB12BW/BS/BP LIGHTING SYSTEM — MAST/TRIPOD ASSY. (GB12BW)

MAST/TRIPOD ASSY. (GB12BW)

NO.	PART NO.	PART NAME	QTY.	REMARKS
1A	A000019600	TRIPOD, ASSY.	1	INCLUDES ITEM W/*
1*	A200039900	TRIPOD, FOOT ONLY	1	INCLUDES ITEM W/#
2*#	A300106500	TRIPOD, BAND	1	
3*#	A300108700	SHACKLE, CP	1	
4*#	E000042900	BOLT, (M10 X 20)	1	
5*#	A000018700	LOW NUT, M10	1	
6*#	1641000330	RUBBER, (OUT, R)	3	
7	A300131500	TRIPOD COVER	1	
8*	A000017303	SECOND MAST	1	
9*	A000017201	FIRST MAST	1	
10*	E000044001	KNOB, M10	1	
11*	A400092401	BOTTOM PLATE	1	
12*	0024705008	SET SCREW, (M5 X 8)	2	
13*	A400092801	WASHER, SECOND MAST	1	
14*	A400109600	RUBBER, (MAST)	1	
15*	A400110200	WASHER, (MAST) 1	1	
16*	0043108000	WASHER, M8	1	
17*	0013108030	BOLT, (M8 X 30)	1	
18*	A400112700	LEAF VALVE	1	
19*	0023104008	SCREW, (M4 X 8)	1	
20*	0043104000	WASHER, M4	1	
21*	0023105008	SCREW (M5 X 8)	1	
22*	0043105000	WASHER, M5	1	
23*	A000017000	PLUG	1	
24*#	A000018800	BUTTON SCREW, (M8 X 25)	1	
25*#	A000019000	WASHER, M8	2	
26*#	A000018900	SELFLOCK NUT, M8	1	
27	A300108400	POLE, EXT. 35" (889 MM) OPTIONAL	1	

GB12BW/BS/BP LIGHTING SYSTEM — FAN BLOWER/LAMP BASE ASSY.

FAN BLOWER/LAMP BASE ASSY. (GB12BP)



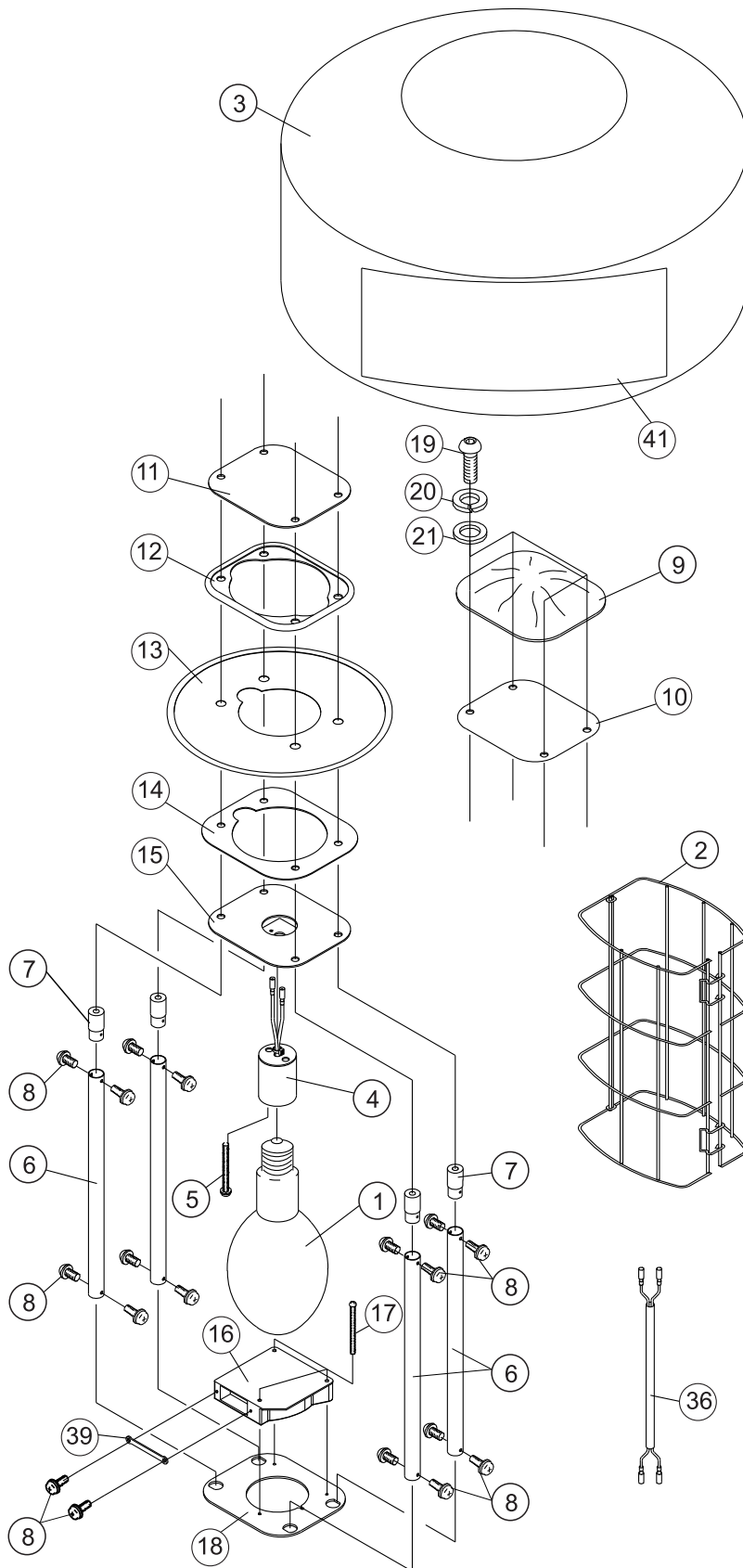
GB12BW/BS/BP LIGHTING SYSTEM — FAN BLOWER/LAMP BASE ASSY.

FAN BLOWER/LAMP BASE ASSY. (GB12BP)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
12	2214500130	SEAL, PACKING	2	
14	2214500230	SEAL, FLAT	1	
20	0043210000	WASHER, LOCK (M10)	8	
21	0043110000	WASHER, FLAT	8	
22	A300135300	ELECTRICAL BALLAST	1	
23	0023304055	SCREW AND WASHER (M4 X 55)	4	
24	A400074801	POLE JOINT, 1	4	
25	A300063001	VESSEL	1	
26	A200028002	FLANGE	1	
27	E000035000	CABLE CLAMP	1	
28	E000030000	T-HANDLE KNOB	1	
29	2214521010	SHEET, BOTTOM	1	
30	2214020130	PLATE, BOTTOM	1	
31	2214500430	FILTER, MF-13-10t	1	
32	2214040230	PLATE, AIR	1	
33	0023303006	SCREW & WASHER (M3 X 6)	3	
34	0014710035	BUTTON SCREW, (M10 X 35)	4	
35	A300135600	CABLE, (MAIN 2A) CP	1	
37	A300135500	AC CABLE	1	
38	E000034900	SUPPORT, NUT ASB-410	4	
40	2204510110	WASHER	1	

GB12BW/BS/BP LIGHTING SYSTEM — BALLOON/LAMP GUARD ASSY.

BALLOON/LAMP GUARD ASSY. (GB12BP)



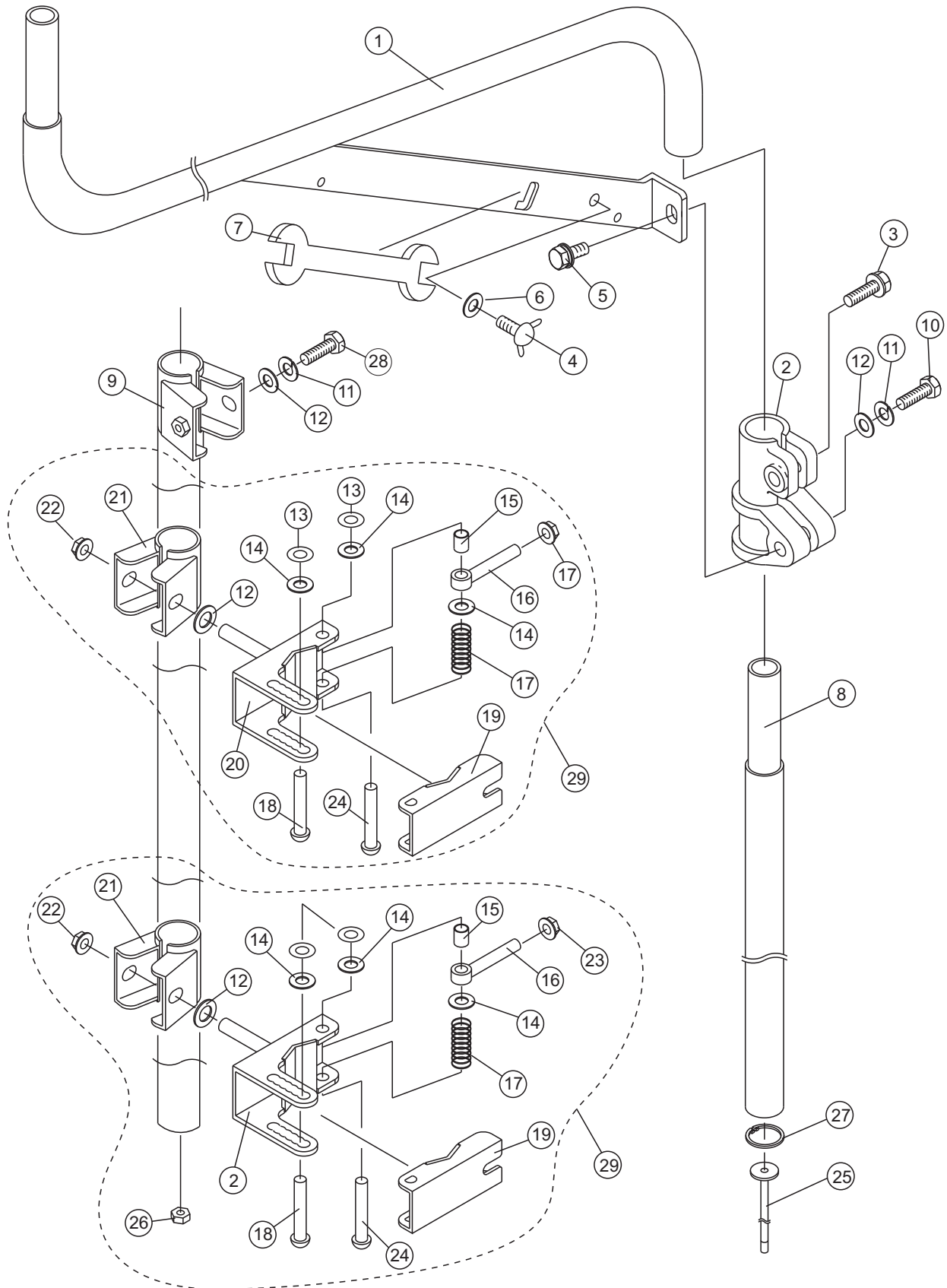
GB12BW/BS/BP LIGHTING SYSTEM — BALLOON/LAMP GUARD ASSY.

BALLOON/LAMP GUARD ASSY. (GB12BP)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	E000031700	LAMP, MH400/C/U	1	
2	2214420411	LAMP GUARD	1	
3	A100015901	BALLOON CLOTH, CP	1	
4	E000009601	SOCKET ASSY.	1	
5	0025304025	SCREW AND WASHER (M4 X 25)	2	
6	2214401230	FRAME PIPE	4	
7	A400071400	POLE JOINT, 2	4	
8	00243040008	SCREW, (M4 X 8)	18	
9	A100048000	BALLON COVER	1	
10	A300062300	SEAL, TOP	1	
11	2214210330	PLATE, TOP	1	
12	2214500130	SEAL, PACKING	2	
13	2214520210	SHEET, TOP	1	
14	2214500230	SEAL, FLAT	1	
15	A300060600	PLATE, LAMP	2	
16	A300075300	FAN MOTOR, ASSY.	1	
17	0025304035	SCREW AND WASHER (M4 X 35)	3	
18	A300063103	PLATE, FAN	1	
19	0014710025	BUTTON SCREW, (M10 X 25)	4	
20	0043210000	WASHER, LOCK (M10)	8	
21	0043110000	WASHER, FLAT	8	
36	A300075200	LAMP CABLE	1	
39	A400091900	GUARD, FAN	1	
41	GBBALD1	BLANK MESSAGE STRIP, OPTIONAL	1	CONTACT MQ UNIT SALES

GB12BW/BS/BP LIGHTING SYSTEM — OFFSET POLE ASSY.(GB12BS)

OFFSET POLE ASSY. (GB12BS)



GB12BW/BS/BP LIGHTING SYSTEM — OFFSET POLE ASSY.(GB12BS)

OFFSET POLE ASSY. (GB12BS)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A200019103	OFFSET POLE	1	
2	A200018303	ADAPTER (OFFSET PIPE)	1	
3	0013512045	BOLT AND WASHER (M12X45)	1	
4	0014210025	WING BOLT (M10X25)	1	
5	0013510025	BOLT AND WASHER (M10X25)	1	
6	0043110026	WASHER (M10)	1	
7	E000028100	17/19 MM WRENCH	1	
8	A300040904	POLE 2	1	
9	A200021902	POLE 1	1	
10	0013112055	BOLT (M12X55)	1	
11	0043212000	SPRING WASHER (M12)	2	
12 #	0043112000	WASHER (M12)	4	
13 #	0030810000	PUSH NUT (M10)	4	
14 #	0043110000	WASHER (M10)	6	
15 #	E000028300	SPACER	2	
16 #	E000028401	BOLT (M10X80)	2	
17 #	A400067600	SPRING	2	
18 #	A400061500	RIVET	2	
19 #	A300053901	CLAMP 1	2	
20 #	A200025203	CLAMP 2	2	
21 #	A300043601	BAND (POLE) 3T	2	
22 #	E000042101	NUT (M12)	2	
23 #	E000042001	NUT (M10)	2	
24 #	0054010060	RIVET (10-60)	2	
25	A400082101	SHAFT (STOPPER) CP	1	
26	0033206000	SELF LOCK NUT (M6)	1	
27	0040825000	C-CLIP	1	
28	0013112065	BOLT (M12X65)	1	
29	A000025300	POLE CLAMP ASSEMBLY	2	INCLUDES ITEMS W/ #