

PARTS MANUAL



GLOBUG MODEL GBX12S LIGHT TOWER

Revision #0 (11/11/20)

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THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

GBX12S Light Tower

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NOTICE

Part numbers are subject to change without notice.

[illegible]

EXPLANATION OF CODE IN REMARKS COLUMN

The following section explains the different symbols and remarks used in the Parts section of this manual. Use the help numbers found on the back page of the manual if there are any questions.

NOTICE

The contents and part numbers listed in the parts section are subject to change **without notice**. Multiquip does not guarantee the availability of the parts listed.

SAMPLE PARTS LIST

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	12345	BOLT	1	INCLUDES ITEMS W/%
2%		WASHER, 1/4 IN.		NOT SOLD SEPARATELY
2%	12347	WASHER, 3/8 IN. ...	1	MQ-45T ONLY
3	12348	HOSE	A/R	MAKE LOCALLY
4	12349	BEARING	1	S/N 2345B AND ABOVE

NO. Column

Unique Symbols — All items with same unique symbol (@, #, +, %, or >) in the number column belong to the same assembly or kit, which is indicated by a note in the “Remarks” column.

Duplicate Item Numbers — Duplicate numbers indicate multiple part numbers, which are in effect for the same general item, such as different size saw blade guards in use or a part that has been updated on newer versions of the same machine.

NOTICE

When ordering a part that has more than one item number listed, check the remarks column for help in determining the proper part to order.

PART NO. Column

Numbers Used — Part numbers can be indicated by a number, a blank entry, or TBD.

TBD (To Be Determined) is generally used to show a part that has not been assigned a formal part number at the time of publication.

A blank entry generally indicates that the item is not sold separately or is not sold by Multiquip. Other entries will be clarified in the “Remarks” Column.

QTY. Column

Numbers Used — Item quantity can be indicated by a number, a blank entry, or A/R.

A/R (As Required) is generally used for hoses or other parts that are sold in bulk and cut to length.

A blank entry generally indicates that the item is not sold separately. Other entries will be clarified in the “Remarks” Column.

REMARKS Column

Some of the most common notes found in the “Remarks” Column are listed below. Other additional notes needed to describe the item can also be shown.

Assembly/Kit — All items on the parts list with the same unique symbol will be included when this item is purchased.

Indicated by:

“INCLUDES ITEMS W/(unique symbol)”

Serial Number Break — Used to list an effective serial number range where a particular part is used.

Indicated by:

“S/N XXXXX AND BELOW”

“S/N XXXX AND ABOVE”

“S/N XXXX TO S/N XXX”

Specific Model Number Use — Indicates that the part is used only with the specific model number or model number variant listed. It can also be used to show a part is NOT used on a specific model or model number variant.

Indicated by:

“XXXXX ONLY”

“NOT USED ON XXXX”

“Make/Obtain Locally” — Indicates that the part can be purchased at any hardware shop or made out of available items. Examples include battery cables, shims, and certain washers and nuts.

“Not Sold Separately” — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

SUGGESTED SPARE PARTS

GBX12S GLOBUG LIGHT TOWER

1 to 3 units

Qty.	P/N	Description
2.....	A000060602	FRONT COVER ASSY.
1.....	A300328800	FAN
2.....	E000209200	RELAY, STARTER
2.....	E000209400	RELAY, GLOW
3.....	9910303097	BALLAST CAPACITOR 18 μ F @400 VAC
2.....	A300401000	ACTUATOR SWITCH ASSY. W/WIRE
1.....	A300391700	DOOR, COVER SWITCH
1.....	A300402901	CIRCUIT BREAKER LAMP, 15A
2.....	A300398100	CIRCUIT BREAKER OUTLET, 15A
1.....	A300391800	COVER SWITCH
1.....	E000170100	JACK, TOP HANDLE
1.....	E000170200	JACK, SIDE HANDLE
1.....	A300352400	RUBBER BOOT W/CLAMP

KUBOTA Z482-E4BG DIESEL ENGINE

1 to 3 units

Qty.	P/N	Description
3.....	1T02143560	ELEMENT, FUEL WATER SEPARATOR
3.....	1J09032430	CARTRIDGE, OIL FILTER
3.....	E000170600	FUEL CAP SET W/FILTER
3.....	1G6571122	ELEMENT, AIR FILTER
3.....	1C01042461	IN-LINE FUEL FILTER
3.....	A400449101	GASKET, FUEL CAP
2.....	36920-4	FUEL PUMP, +12 VDC
2.....	0602011079	CAP, RADIATOR
3.....	1522443010	CANISTER, FUEL FILTER
3.....	1980572530	V-BELT, 34.5 IN. (876 MM)

NOTICE

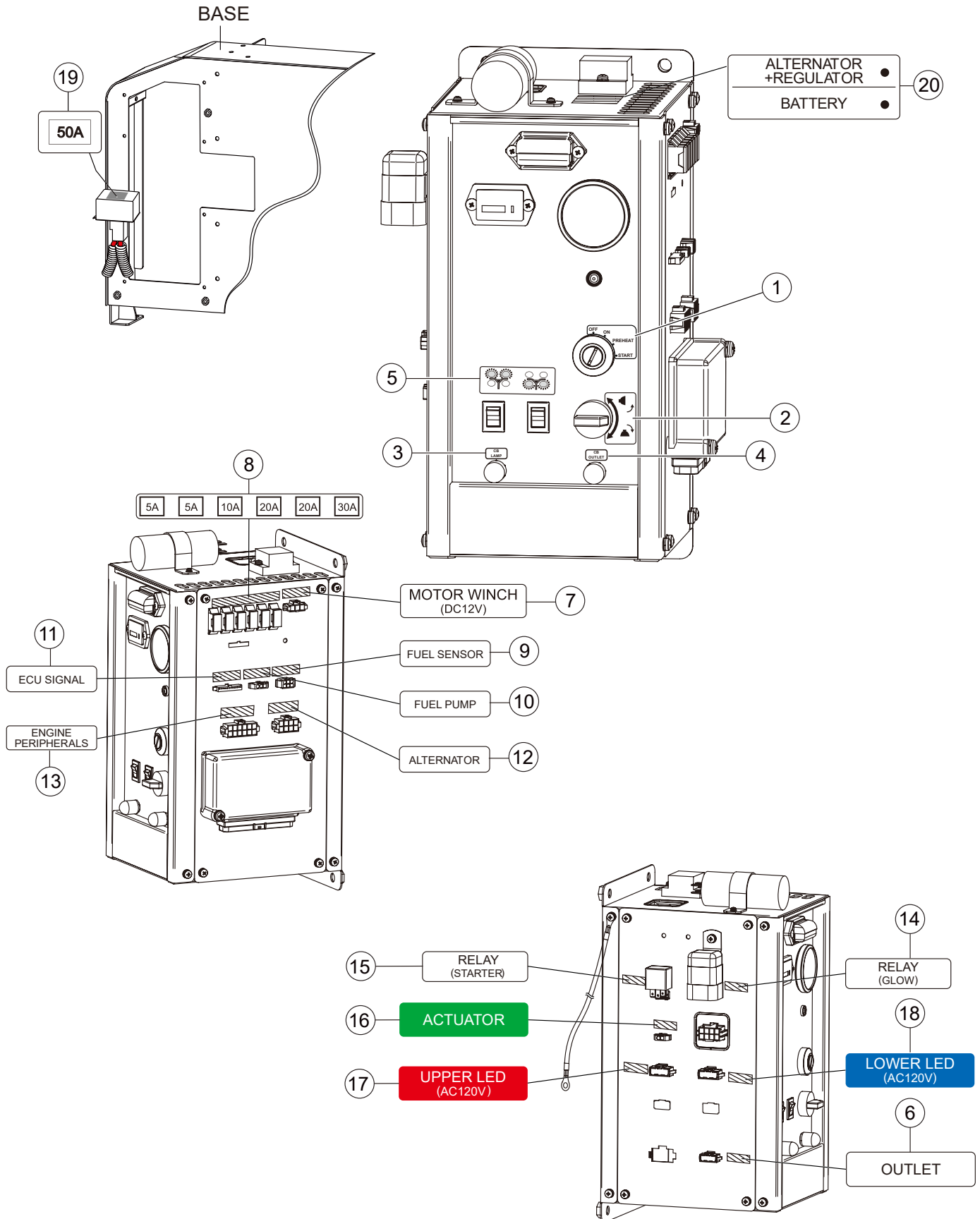
Part numbers on this Suggested Spare Parts list may supersede/replace the part numbers shown in the following parts lists.



NAMEPLATE AND DECALS

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A400445900	DECAL; CAUTION, READ MANUAL	1	
2	A400477900	DECAL; WARNING (CALIFORNIA-P65)	1	
3	A400447800	DECAL; FINGER CAUTION	5	
4	A300376400	DECAL; GBX LOGO	2	
5	A400445800	DECAL; TIRE PRESSURE	2	
6	A400445600	DECAL; FORKLIFT	2	
7	A400111200	DECAL; TRIANGLE, RED	2	
8	A400481700	DECAL; DANGEROUS 1	1	
9	A400457300	DECAL; EARTH ø25	1	
10	A400481800	DECAL; DANGEROUS 2	1	
11	A400491200	DECAL; OUTLET	1	
12	A400446000	DECAL; TOWING INSTRUCTION	1	
13	A300402500	DECAL; GLO BUG LED	2	
14	A400446100	DECAL; WINCH CABLE	1	
15	A400447300	DECAL; MQ LOGO	2	
16	A400445700	DECAL; LIFTING POINT	1	
17	A400445400	DECAL; BURN HAZARD	1	
18	A400447700	DECAL; JACKSTAND	4	
19	A400447600	DECAL; GLOBUG, LIGHTING SYSTEM	1	
20	A400445501	DECAL; DANGER, FUEL	1	
21	A400481900	DECAL; DIESEL	1	
22	A400488400	DECAL; LOCK	1	
23	A300402200	DECAL; LOCK/UNLOCK	1	
24	A400491900	DECAL; FULL	1	
25		DECAL; TIRE AND LOADING INFORMATION..1.....	1	CONTACT MQ PARTS DEPT.
26		DECAL; VIN TAG INFORMATION.....1.....	1	CONTACT MQ PARTS DEPT.

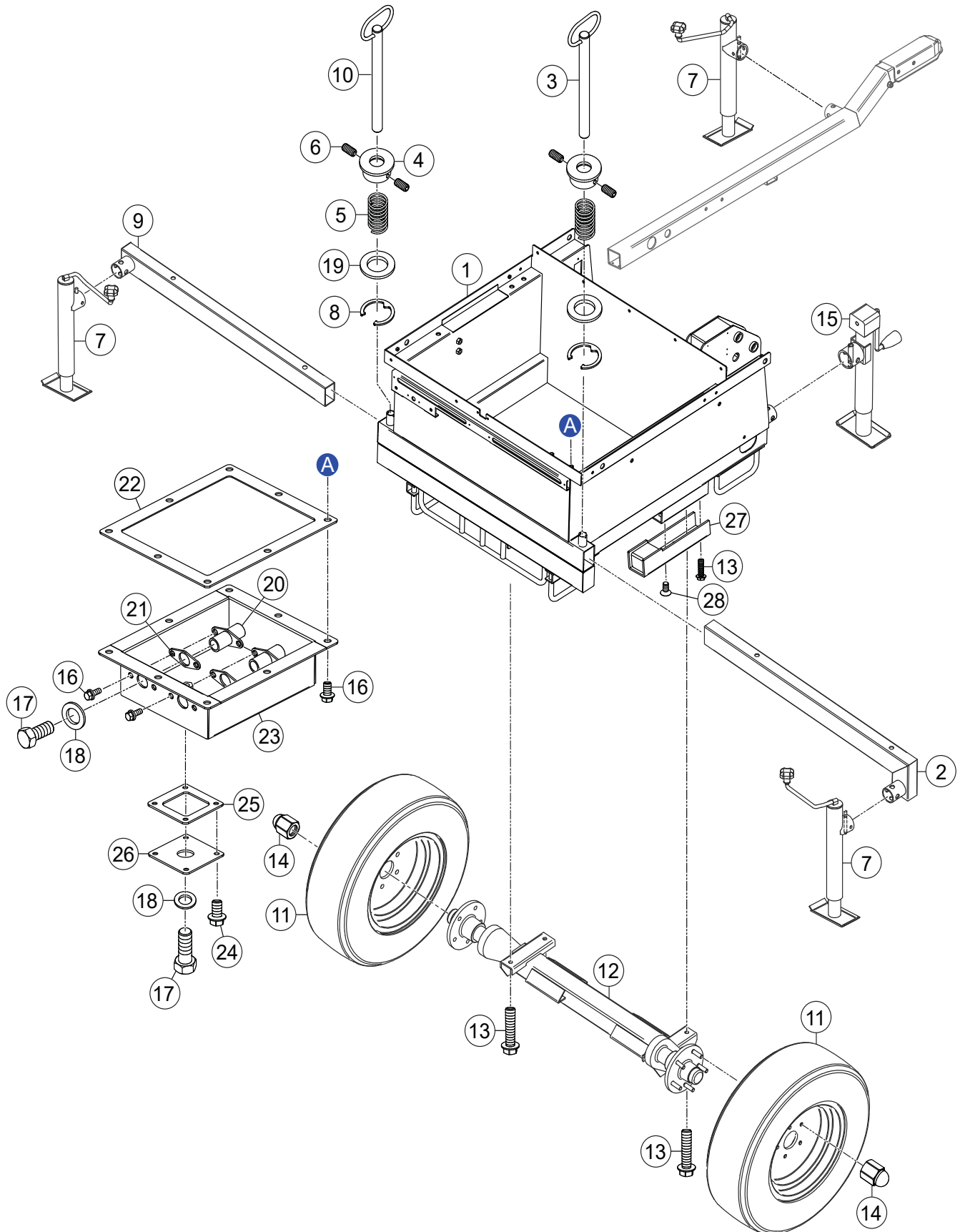
NAMEPLATE AND DECALS (CONTROL BOX)



NAMEPLATE AND DECALS (CONTROL BOX)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A400487400	DECAL; IGNITION KEY SWITCH	1	
2	A400487500	DECAL; ACTUATOR SWITCH	1	
3	A400487600	DECAL; CB LAMP	1	
4	A400490900	DECAL; CB OUTLET	1	
5	A400490800	DECAL; LIGHT SWITCH	1	
6	A400491200	DECAL; OUTLET C. BOX	1	
7	A400489000	DECAL; MOTOR WINCH, DC12V	1	
8	A400488900	DECAL; FUSES	1	
9	A400489100	DECAL; FUEL SENSOR	1	
10	A400489200	DECAL; FUEL PUMP	1	
11	A400489500	DECAL; ECU SIGNAL	1	
12	A400489600	DECAL; ALTERNATOR	1	
13	A400489700	DECAL; ENGINE PERIPHERALS	1	
14	A400489300	DECAL; RELAY, GLOW	1	
15	A400489400	DECAL; RELAY, STARTER	1	
16	A400490000	DECAL; ACTUATOR	1	
17	A400491500	DECAL; UPPER LED AC 120V (L)	1	
18	A400491600	DECAL; LOWER LED AC 120V (R)	1	
19	A400490100	DECAL; FUSE, 50A	1	
20	A400490200	DECAL; ALTERNATOR+REGULATOR	1	

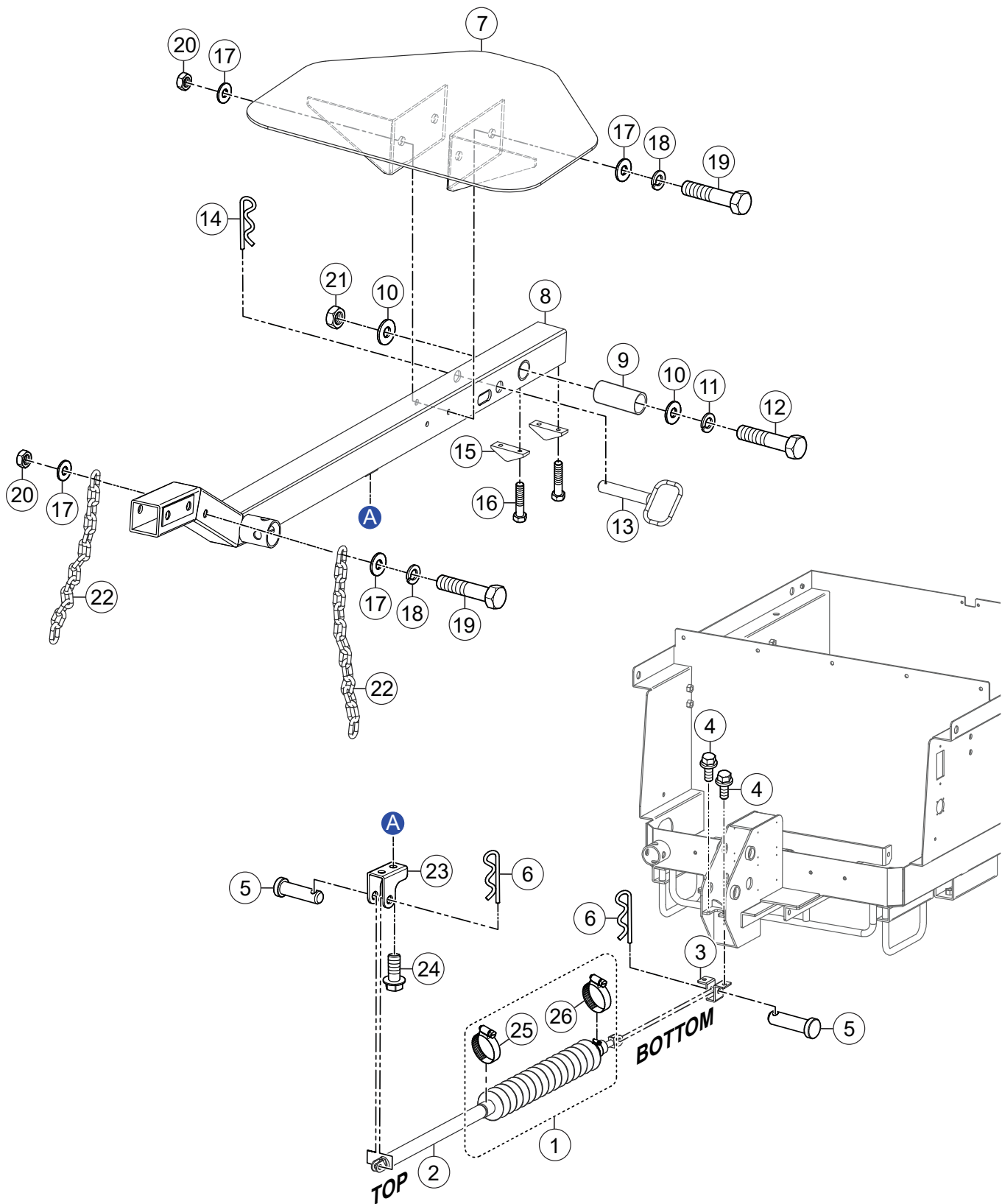
BASE GROUP 1 ASSY.



BASE GROUP 1 ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A100145800	FRAME	1	
2	A100134601	OUTRIGGER, RIGHT	1	
3	A400433802	PIN RIGHT, OUTRIGGER	1	
4	A400433202	CAP, OUTRIGGER	2	
5	E000183400	SPRING, OUTRIGGER	2	
6	0024704006	SET SCREW M4X6	4	
7	E000170100	JACK, TOP HANDLE	3	
8	0043608000	E-CLIP	2	
9	A100134702	OUTRIGGER LEFT	1	
10	A400433902	PIN LEFT, OUTRIGGER	1	
11	E000171500	TIRE, 175/80R13	2	
12	E000169900	AXLE.....	1.....	INCLUDES ITEMS W/\$
13	0013512040	BOLT ASSY. M12X40	6	
14\$	E000188700	WHEEL NUT 1/2"	10	
15	E000170200	JACK, SIDE HANDLE	1	
16	0016808015	FLANGE BOLT M8X15	12	
17	0013116030	BOLT M16X20	3	
18	E000182700	SEAL, WASHER M16	3	
19	0043110000	WASHER M10	2	
20	A400432801	FLANGE, DRAIN	2	
21	A400432900	GASKET, DRAIN	2	
22	A300391900	GASKET, OIL PAN 1	1	
23	A200145500	OIL PAN	1	
24	0016806015	FLANGE BOLT M6X15	4	
25	A400474700	GASKET, OIL PAN 2	1	
26	A400473100	PLATE, OIL PAN	1	
27	A200149500	BRACKET, AXLE	2	
28	0026212025	SCREW, SOC HD FLAT M12X25	2	

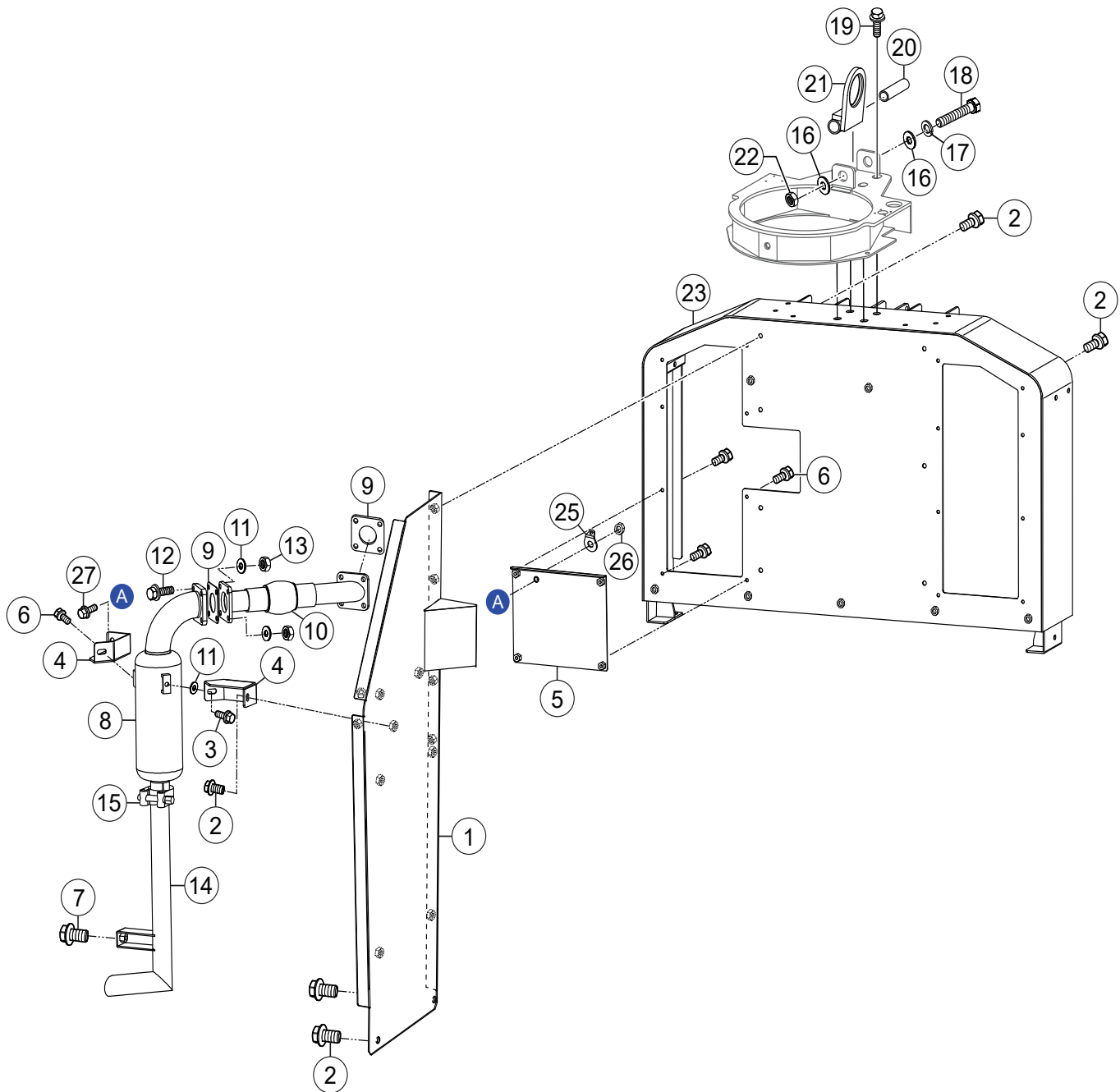
BASE GROUP 2 ASSY.



BASE GROUP 2 ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A300352400	RUBBER BOOT	1	INCLUDES ITEMS W/\$
2	A300345900	GAS SPRING ASSY.	1	
3	A400473800	BRACKET, BOTTOM	1	
4	0013506016	FLANGE BOLT M6X16	2	
5	A400443300	PIN, GAS SPRING	2	
6	0053510000	COTTER PIN, DIA.10	2	
7	A100142700	STEP, TOWING BAR	1	
8	A100145000	TOWING BAR	1	
9	A400434401	SPACER	1	
10	0043130000	WASHER M30	2	
11	0043230000	WASHER, LOCK M30	1	
12	0013130120	BOLT M30X120	1	
13	A300358502	PIN, TOWING BAR	1	
14	E000170500	COTTER PIN	1	
15	A400425100	STOPPER, TOWING BAR	2	
16	0015305015	BOLT M5X15	4	
17	0043110000	WASHER M10	6	
18	0043210000	WASHER, LOCK M10	3	
19	0013110090	BOLT M10X90	3	
20	0033210000	SELF-LOCK NUT M10	3	
21	0033130000	NUT M30	1	
22	E000172100	SAFETY CHAIN	2	
23	A400430500	BRACKET, TOP	1	
24	0015306015	FLANGE BOLT M6X15	2	
25\$	E000183100	HOSE CLAMP 6	1	
26\$	E000183200	HOSE CLAMP 7	1	

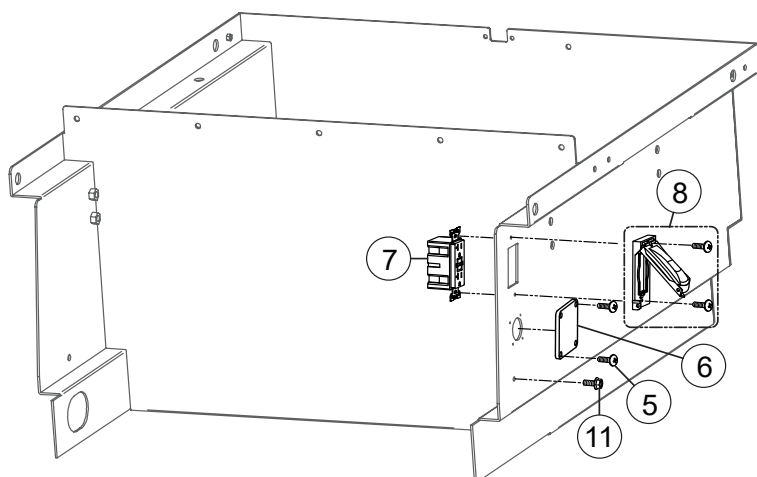
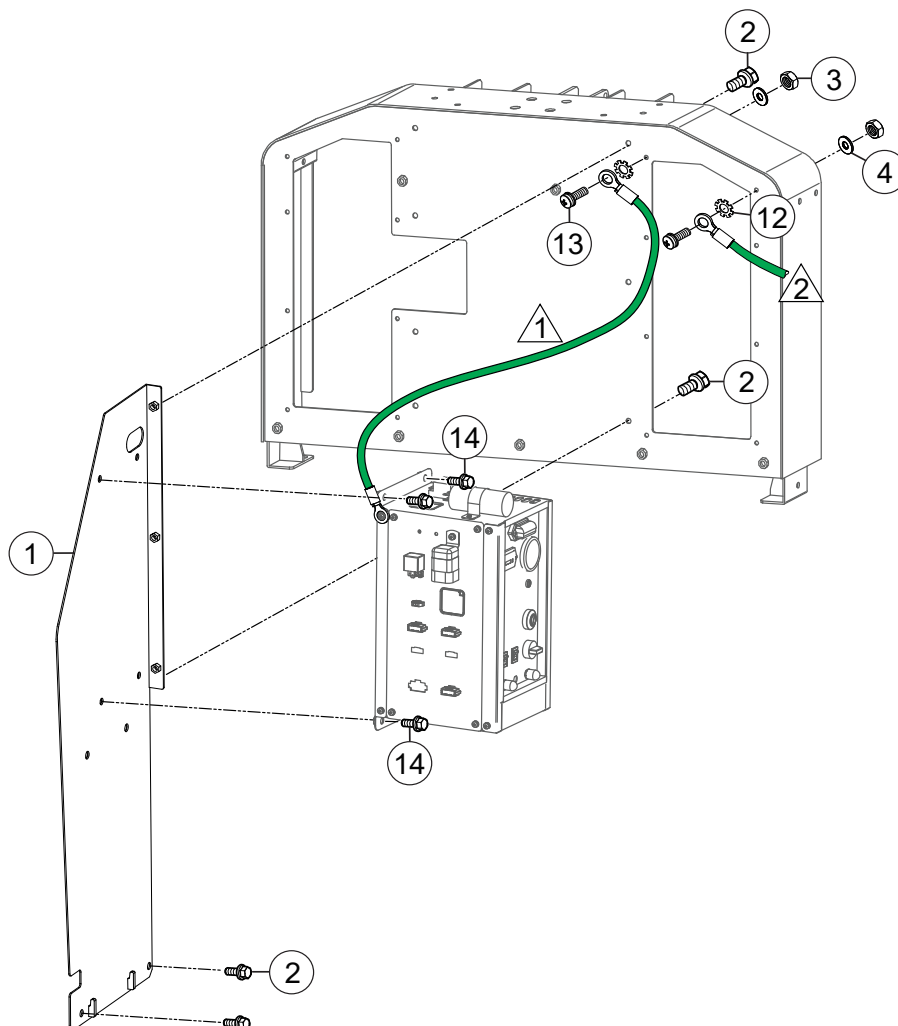
FRAME 1 ASSY. (MUFFLER)



FRAME 1 ASSY. (MUFFLER)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A200146700	BRACKET, RIGHT COVER	1	
2	0013508020	BOLT AND WASHER ASSY. M8X20	7	
3	0013508016	BOLT AND WASHER ASSY. M8X16	1	
4	A300391101	BRACKET, MUFFLER	2	
5	A200145301	PLATE, BASE RIGHT	1	
6	0013506016	BOLT AND WASHER ASSY. M6X16	5	
7	0013808015	FLANGE BOLT M8X15	1	
8	E000210000	MUFFLER	1	
9	E000209500	GASKET, MUFFLER	2	
10	A200145800	EXHAUST PIPE	1	INCLUDES HEAT SHIELD WRAP
11	0043108000	WASHER M8	5	
12	0013508040	BOLT AND WASHER ASSY. M8X40	4	
13	0033208000	SELF-LOCK NUT M8	4	
14	A300393800	PIPE, MUFFLER	1	
15	E000221100	HOSE CLAMP	1	
16	0043116000	WASHER M16	2	
17	0043216000	WASHER, LOCK M16	1	
18	0013116130	BOLT M16X130	1	
19	0013512040	BOLT AND WASHER ASSY. M12X40	4	
20	A400473000	SPACER, HOOK	1	
21	A300390200	HANDLE, HOOK	1	
22	0033216000	SELF-LOCK NUT M16	1	
23	A200145900	BASE	1	INCLUDES SND. PROOF FOAM
24	0013512025	BOLT AND WASHER ASSY. M12X25	2	
25	2204510110	WASHER M8	1	
26	0033108000	NUT M8	1	
27	0013508025	BOLT AND WASHER ASSY. M8X25	1	

FRAME 2 ASSY. (CONTROL BOX)



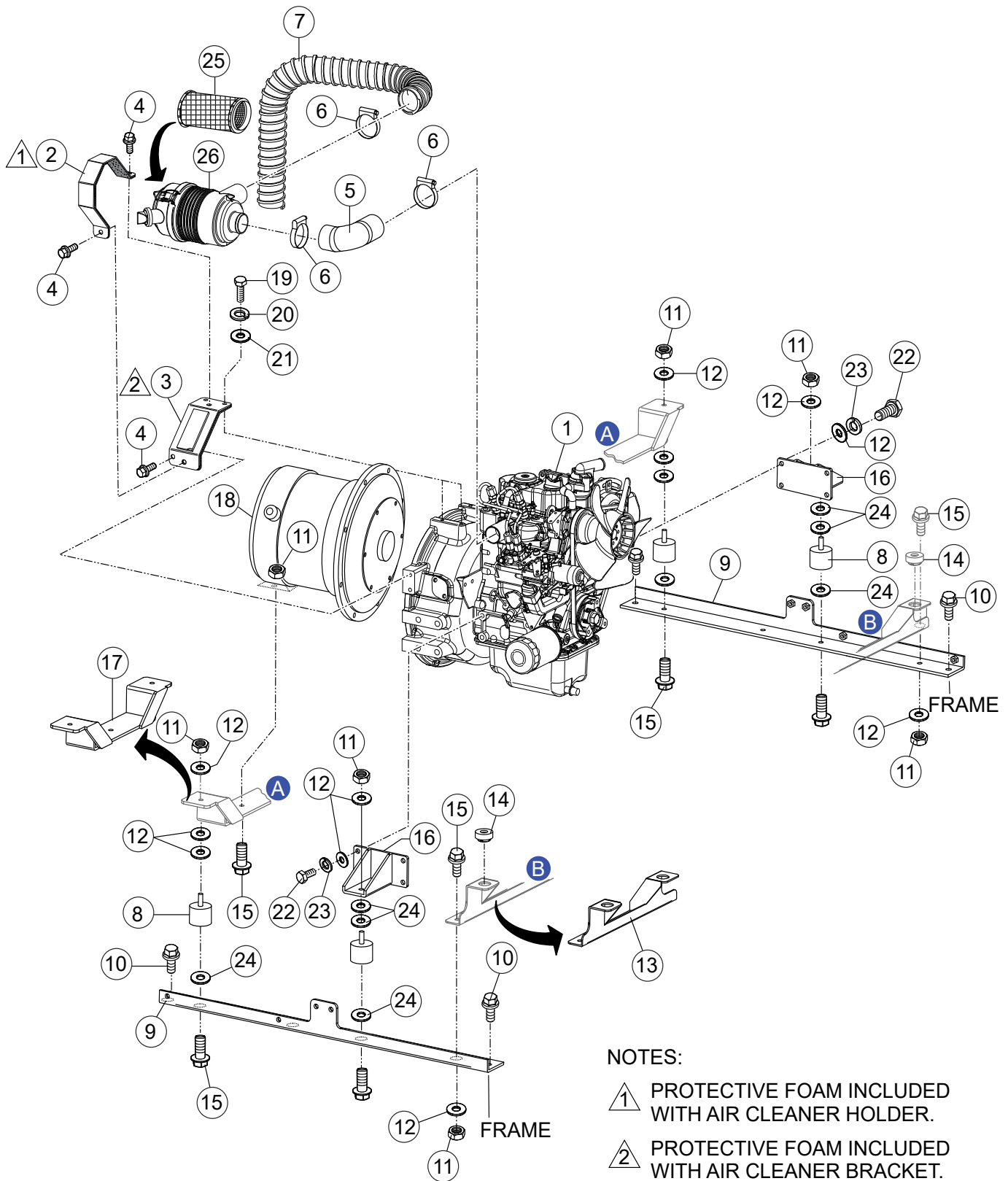
NOTES:

- ① REFERENCE ELECTRICAL COMPONENTS ASSY. ITEM 12 GROUND WIRE.
- ② REFERENCE LAMP STAND ASSY. ITEM 24 GROUND WIRE.

FRAME 2 ASSY. (CONTROL BOX)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A200146401	BRACKET, LEFT COVER	1	
2	0013508020	BOLT AND WASHER ASSY. M8X20	5	
3	0033105020	NUT M5	2	
4	0043105000	WASHER M5	2	
5	0025703010	SCREW M3X10	4	
6	A400483200	PLATE CONNECTOR	1	
7	E000170700	PLUG, GFCI	1	
8	E000170800	PLUG, COVER W/SCREWS	1	
11	0016806015	FLANGE BOLT M6X15	1	
12	0043905000	TOOTHED LOCK WASHER M5	2	
13	0023305010	SCREW ASSY. M5X10	2	
14	0013508025	BOLT AND WAHSER ASSY. M8X25	4	

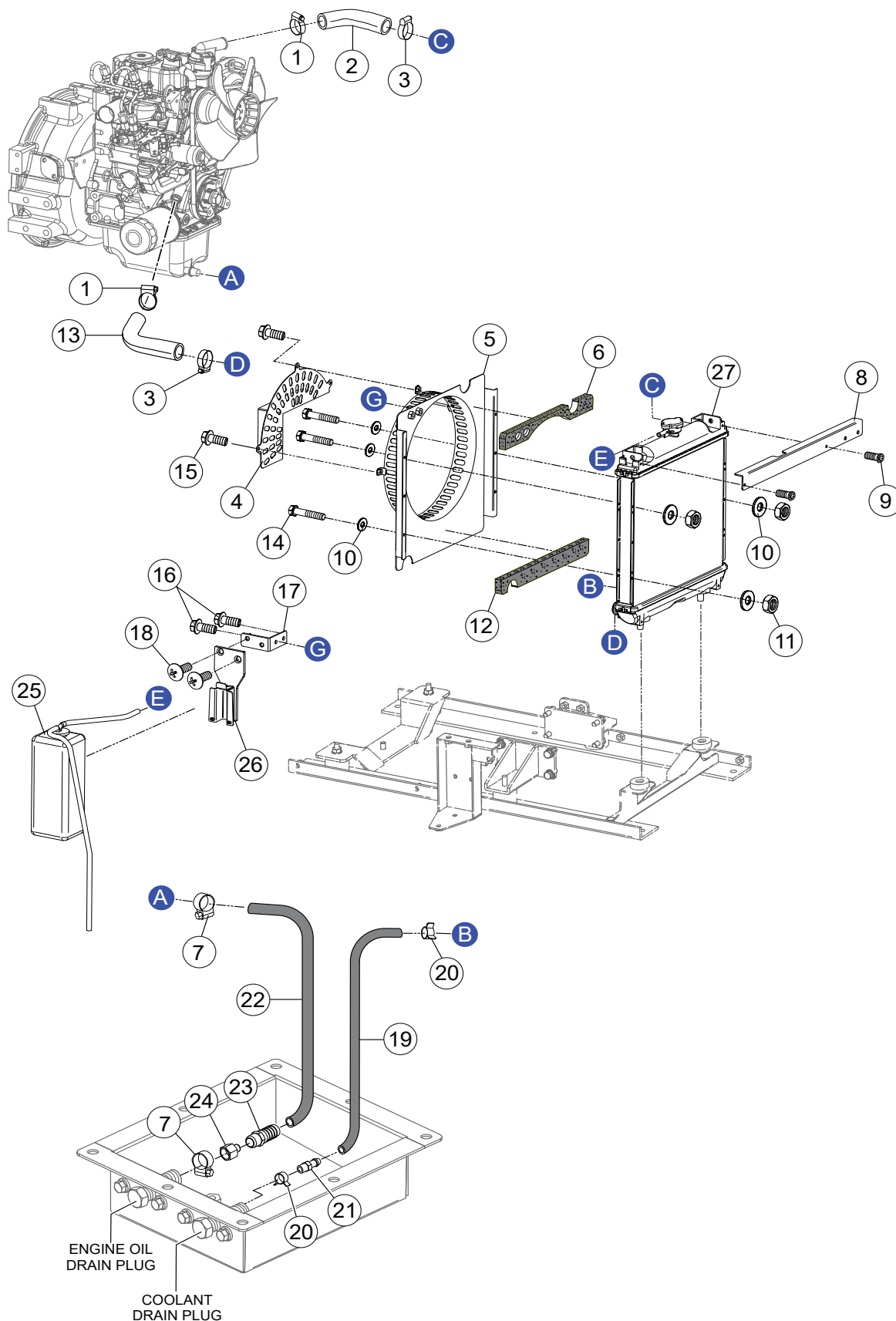
ENGINE BASE ASSY.



ENGINE BASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	EEN0000300	ENGINE, KUBOTA Z482	1	
2	A300388101	HOLDER, AIR CLEANER	1	PROTECTIVE FOAM INCLUDED
3	A300388000	BRACKET, AIR CLEANER	1	PROTECTIVE FOAM INCLUDED
4	0013508020	BOLT AND WASHER ASSY. M8X20	3	
5	A300382401	HOSE, AIR	1	
6	E000214900	HOSE BAND 4	3	
7	A400482000	HOSE	1	
8	E000215200	ANTI-VIBRATION RUBBER	4	
9	A100145200	PLATE, ENGINE BASE	2	
10	0013512030	BOLT AND WASHER ASSY. M12X30	4	
11	0033110000	NUT M10	7	
12	0043110000	WASHER M10	14	
13	A100141800	BRACKET, RADIATOR	1	
14	E000208000	CUSHION, RADIATOR	2	
15	0013510025	BOLT AND WASHER ASSY. M10X25	7	
16	A300391200	BRACKET, ENGINE	2	
17	A100141600	BRACKET, ALTERNATOR	1	
18	EAL0000200	ALTERNATOR	1	
19	0063051619	BOLT 5/16"-180 ONC 3/4"	2	
20	030208200	WASHER, LOCK M8.....	2	REPLACES P/N 0043208000
21	0043108000	WASHER M8	2	
22	E000217900	BOLT M10X25	8	
23	0043210000	WASHER, LOCK M10	8	
24	00432112041	WASHER M10	12	
25	1G6571122	ELEMENT, AIR FILTER	1	
26	1G65711011	BODY, AIR FILTER	1	

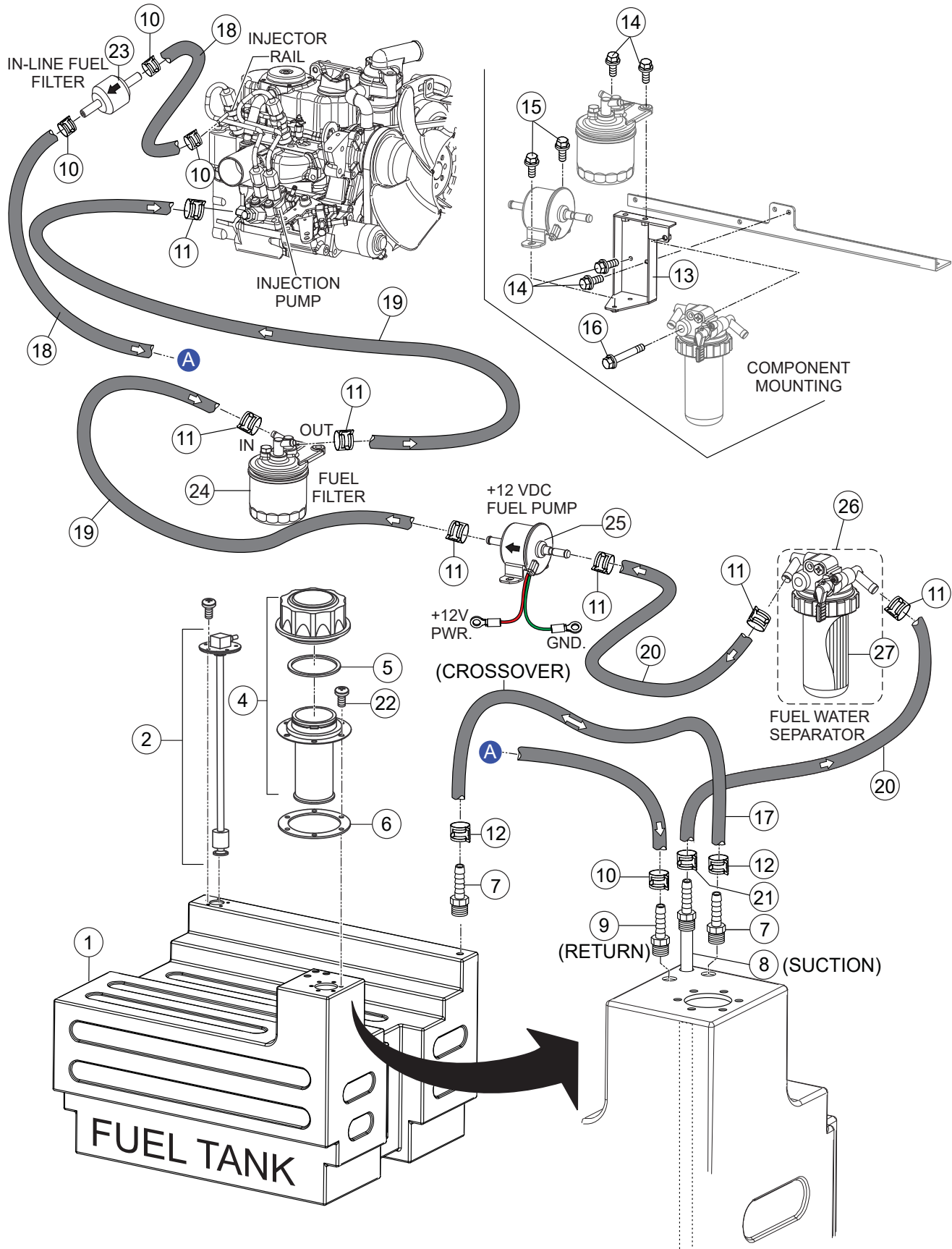
ENGINE BASE ASSY. (RADIATOR)



ENGINE BASE ASSY. (RADIATOR)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	E000214800	HOSE BAND 1	2	
2	A300382501	HOSE 1, RADIATOR	1	
3	E000214700	HOSE BAND 2	2	
4	A200145700	GUARD, FAN	1	
5	A100145100	SHROUD, FAN	1	
6	A300394500	SPONGE, UPPER	1	
7	E000219700	HOSE BAND	2	
8	A200142000	BRACKET, RADIATOR 2	1	
9	0015306015	BOLT M6X15	2	
10	0043105000	WASHER M5	12	
11	0033105000	NUT M5	6	
12	A300394600	SPONGE, LOWER	1	
13	A300382601	HOSE 2, RADIATOR	1	
14	0013505045	BOLT AND WASHER ASSY. M5X45	6	
15	0013505010	BOLT AND WASHER ASSY. M5X10	3	
16	0013508020	BOLT AND WASHER ASSY. M8X20	2	
17	A400457200	BRACKET, TANK	1	
18	0023208020	COUNTERSUNK SCREW M8X20	2	
19	A400490400	HOSE, RADIATOR	1	
20	E000221000	CLAMP, HOSE	2	
21	E000217500	NIPPLE	1	
22	A400490300	HOSE, DRAIN	1	
23	E000217300	NIPPLE	1	
24	E000217600	STRAIGHT FITTING	1	
25	1G69072091	COOLANT RESERVE TANK/BOTTLE	1	
26	1944972502	BRACKET, COOLANT RESERVE TANK	1	
27	1K12572061	RADIATOR	1	

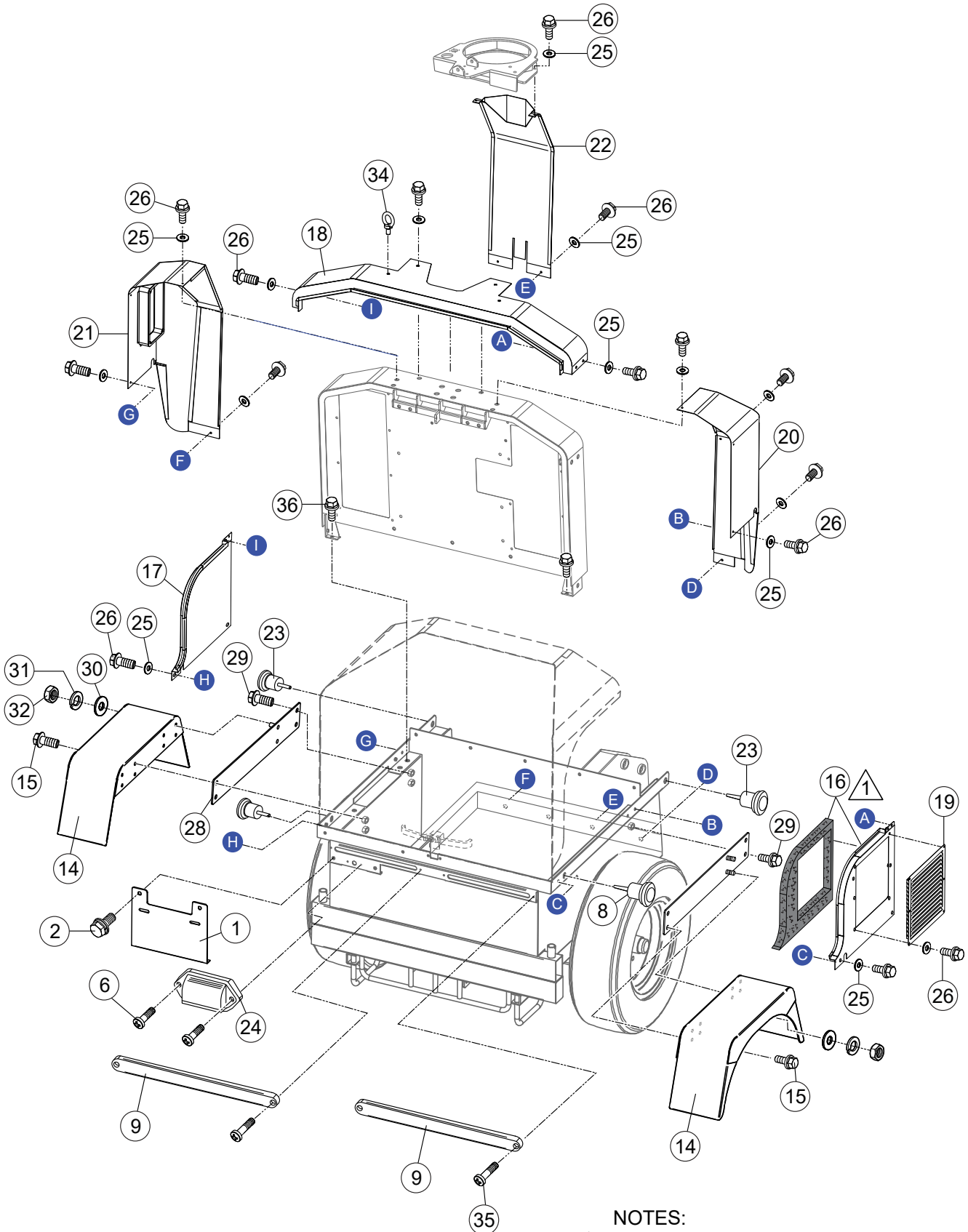
FUEL ASSY.



FUEL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A100143800	FUEL TANK	1	
2	A300397400	OIL TANK LEVEL SENSOR	1	
3	0019005012	BOLT M5X12	5	
4	E000170600	FUEL CAP SET W/FILTER	1	
5	A400449101	GASKET, FUEL CAP	1	
6	A400448900	GASKET, BRACKET CAP	1	
7	E000217400	HOSE FITTING	2	
8	A400478000	HOSE FITTING W/PIPE	1	
9	E000217500	HOSE FITTING	1	
10	E000214300	CLAMP, HOSE	4	
11	E000214500	CLAMP, HOSE	8	
12	E000221000	CLAMP, HOSE	2	
13	A200146200	BRACKET	1	
14	0013508020	BOLT AND WASHER ASSY. M8X20	4	
15	0013506016	BOLT AND WASHER ASSY. M6X16	2	
16	0013508070	BOLT AND WASHER ASSY. M8X70	1	
17	A400485600	HOSE, TANK	1	
18	A400485300	HOSE, FUEL 1, 260MM.....	2	INCLUDES CORRUGATED TUBE
19	A400485400	HOSE, FUEL 2, 300MM.....	2	INCLUDES CORRUGATED TUBE
20	A400485500	HOSE, FUEL 3, 200MM.....	2	INCLUDES CORRUGATED TUBE
21	E000214400	CLAMP, HOSE	1	
22	0010505010	BOLT M5X10	6	
23	1C01042461	IN-LINE FUEL FILTER	1	
24	1522443010	CANISTER, FUEL FILTER.....	1	REPLACES P/N 1522443013
25	36920-4	FUEL PUMP, +12 VDC	1	
26	1553143010	FUEL WATER SEPARATOR ASSY.	1	INCLUDES ITEMS W/#
27#	1T02143560	ELEMENT, FUEL WATER SEPARATOR	1	

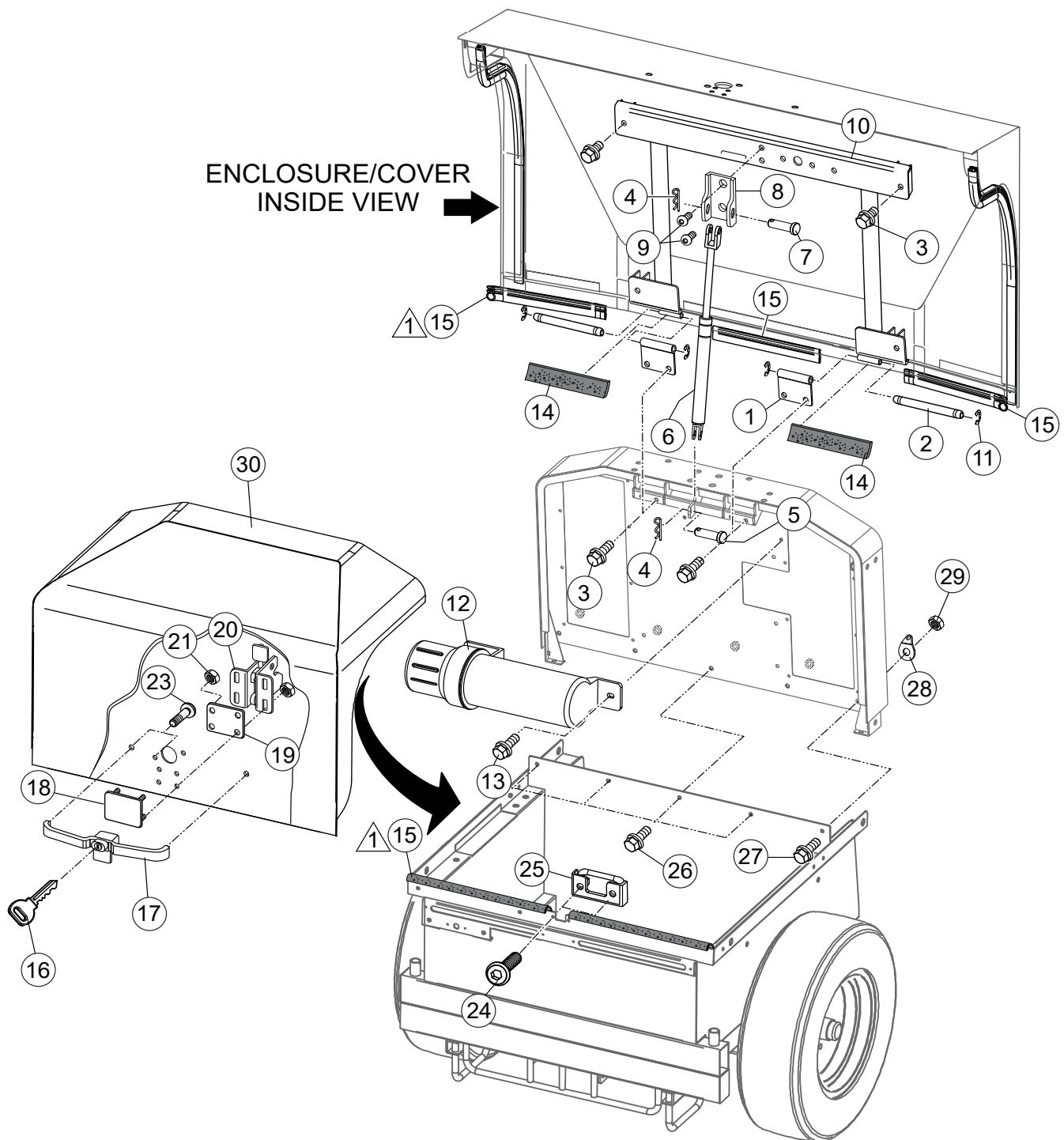
ENCLOSURE ASSY.



NOTES:
 1 INCLUDES SOUNDPROOF FOAM.

ENCLOSURE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A300391000	PLATE BRACKET	1	
2	0016808015	FLANGE BOLT M8X15	2	
6	0026904012	SCREW M4X12	6	
8	A300369400	SIDE LAMP, REAR (RED)	2	
9	E000211800	TAIL LAMP	2	
14	A100138402	FENDER	2	
15	0013510025	BOLT ASSY. M10X25	4	
16	A200146100	PANEL, RIGHT (CENTER)	1	INCLUDES SND. PROOF FOAM
17	A200146000	PANEL, LEFT (CENTER)	1	
18	A100145700	PANEL, CENTER (CENTER)	1	
19	A100143100	LOUVER	1	
20	A100146200	PANEL, RIGHT (FRONT)	1	
21	A100145500	PANEL, LEFT (FRONT)	1	
22	A100146100	COVER, MAST	1	
23	A300370300	SIDE LAMP, FRONT	2	
24	E000171000	LICENSE PLATE LAMP	1	
25	E000181900	WASHER, PLASTIC	31	
26	0016806015	FLANGE BOLT M6X15	31	
28	A200149601	BRACKET, FENDER	2	
29	0016810020	FLANGE BOLT M10X20	4	
30	0043110000	WASHER M10	4	
31	0043210000	WASHER, LOCK M10	4	
32	0033110000	NUT M10	4	
34	0014406000	EYEBOLT M6X10	1	
35	0026004012	TRUSS SCREW M4X12	4	
36	0013512025	BOLT AND WASHER ASSY. M12X25	2	



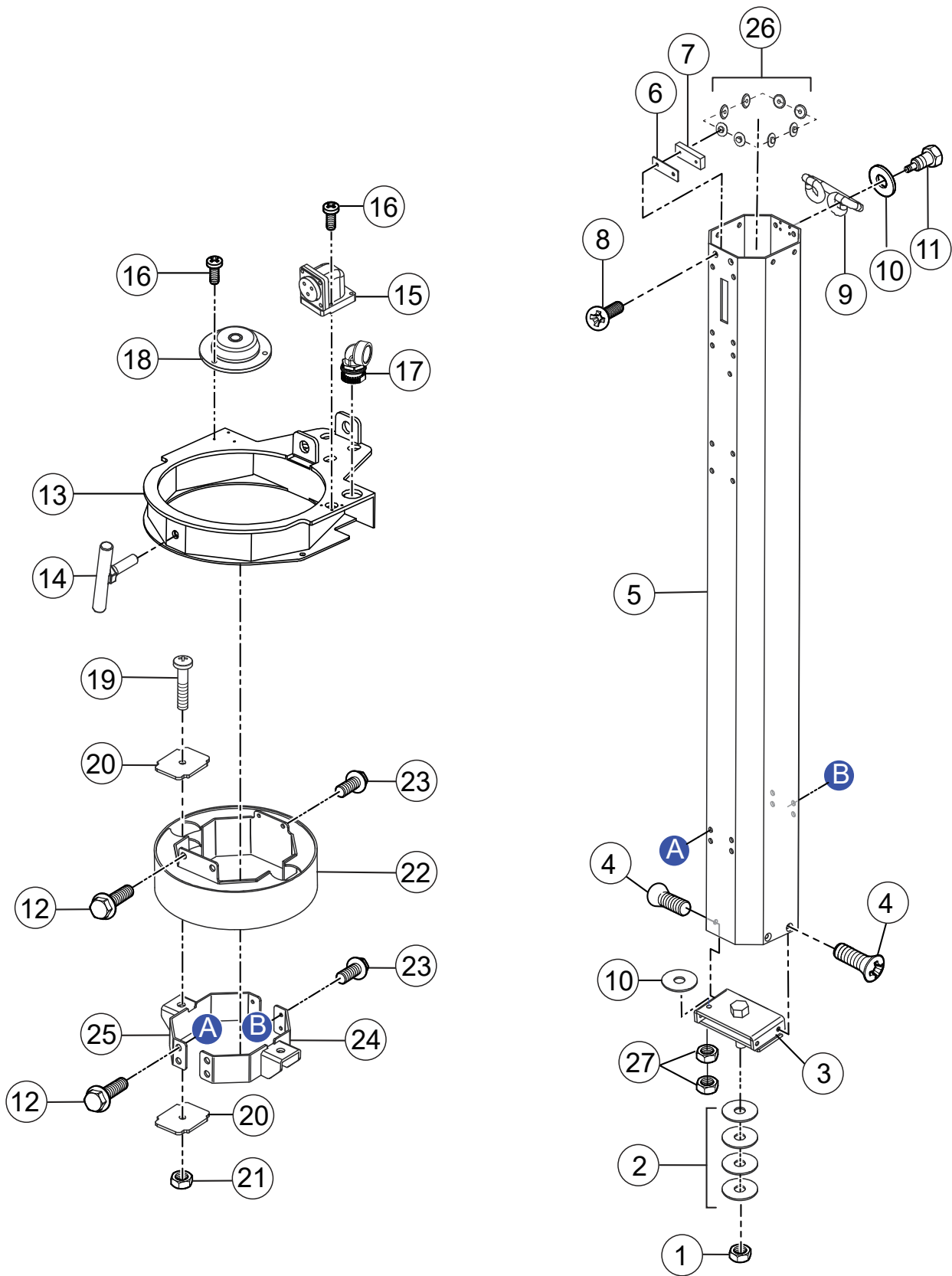
NOTES:

1 CUT RUBBER SEAL AS REQUIRED

REAR ENCLOSURE/COVER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A400472900	HINGE	2	
2	A400434301	PIN, HINGE	2	
3	0013508020	BOLT AND WASHER ASSY. M8X20	8	
4	0053510000	COTTER PIN	2	
5	A400443400	PIN, GAS SPRING	1	
6	A300383300	GAS SPRING A ASSY.	1	
7	A400443300	PIN, GAS SPRING	1	
8	A400430500	BRACKET, GAS	1	
9	0015306015	FLANGE BOLT M6X15	2	
10	A100146000	FRAME, BACK COVER	1	
11	0043607000	E-CLIP	4	
12	E000171400	DOCUMENT HOLDER	1	
13	0025705015	BOLT AND WASHER ASSY. M5X15	2	
14	E000208200	PACKING	2	
15	E000208100	RUBBER SEAL, 40"	3.....	1 PC. = 3 FT.
16	E000221200	KEY, LATCH HANDLE	1	
17	E000212800	LATCH HANDLE	1	
18	A400474800	LATCH PLATE, BOLT-ON	1	
19	A400488100	LATCH PLATE, RUBBER	1	
20	E000212900	RELEASE LATCH	1	
21	0033104000	NUT M4	4	
23	0025705015	SCREW ASSY. M5X15	4	
24	0015306015	BOLT M6X15	2	
25	A300391500	LATCH, FIXED	1	
26	0013508020	BOLT AND WASHER ASSY. M8X20	4	
27	0013508025	BOLT AND WAHSER ASSY. M8X25	1	
28	2204510110	WASHER M8	1	
29	0033108000	NUT M8	1	
30	A100145601	ENCLOSURE COVER, REAR	1	

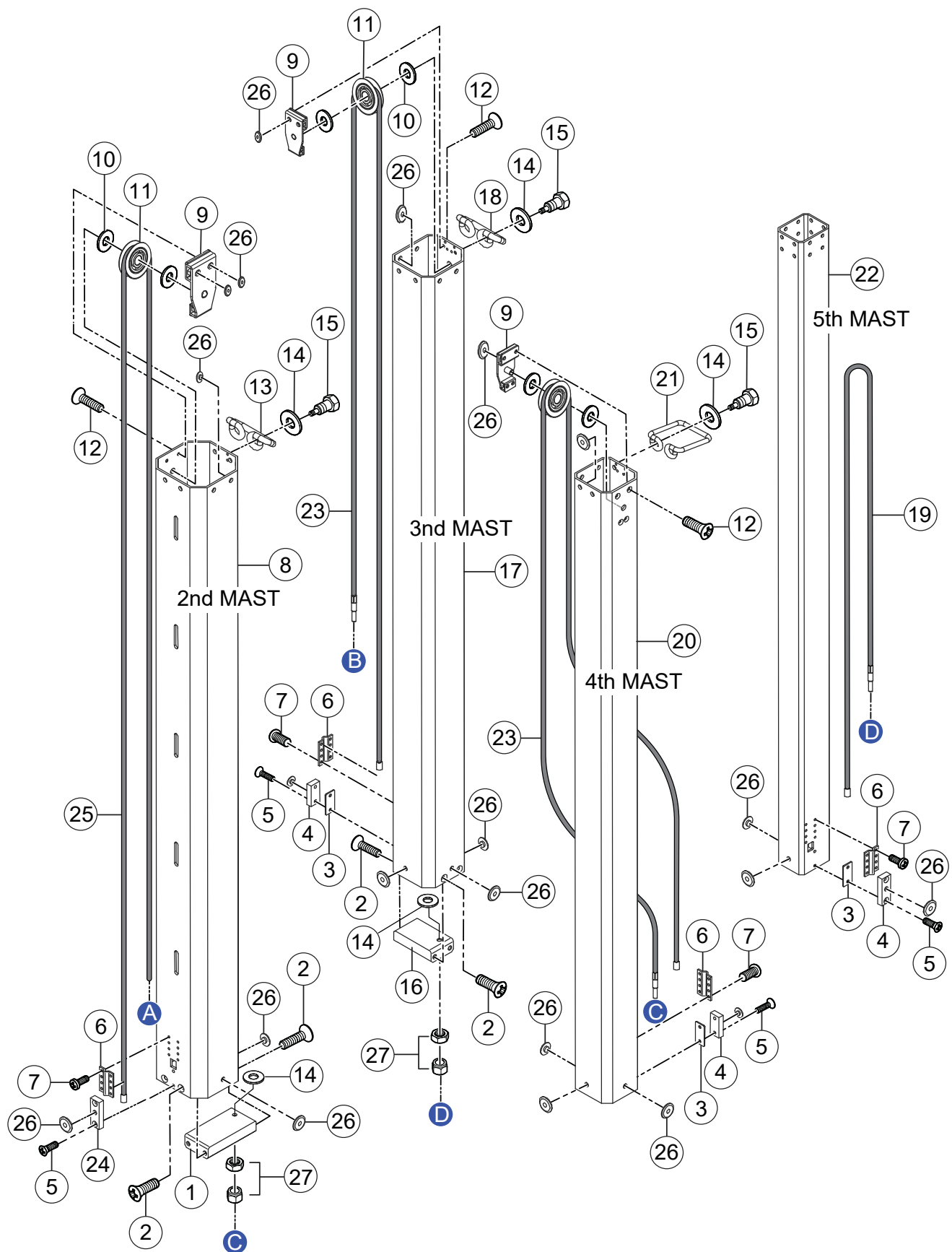
MAST GROUP 1 ASSY.



MAST GROUP 1 ASSY.

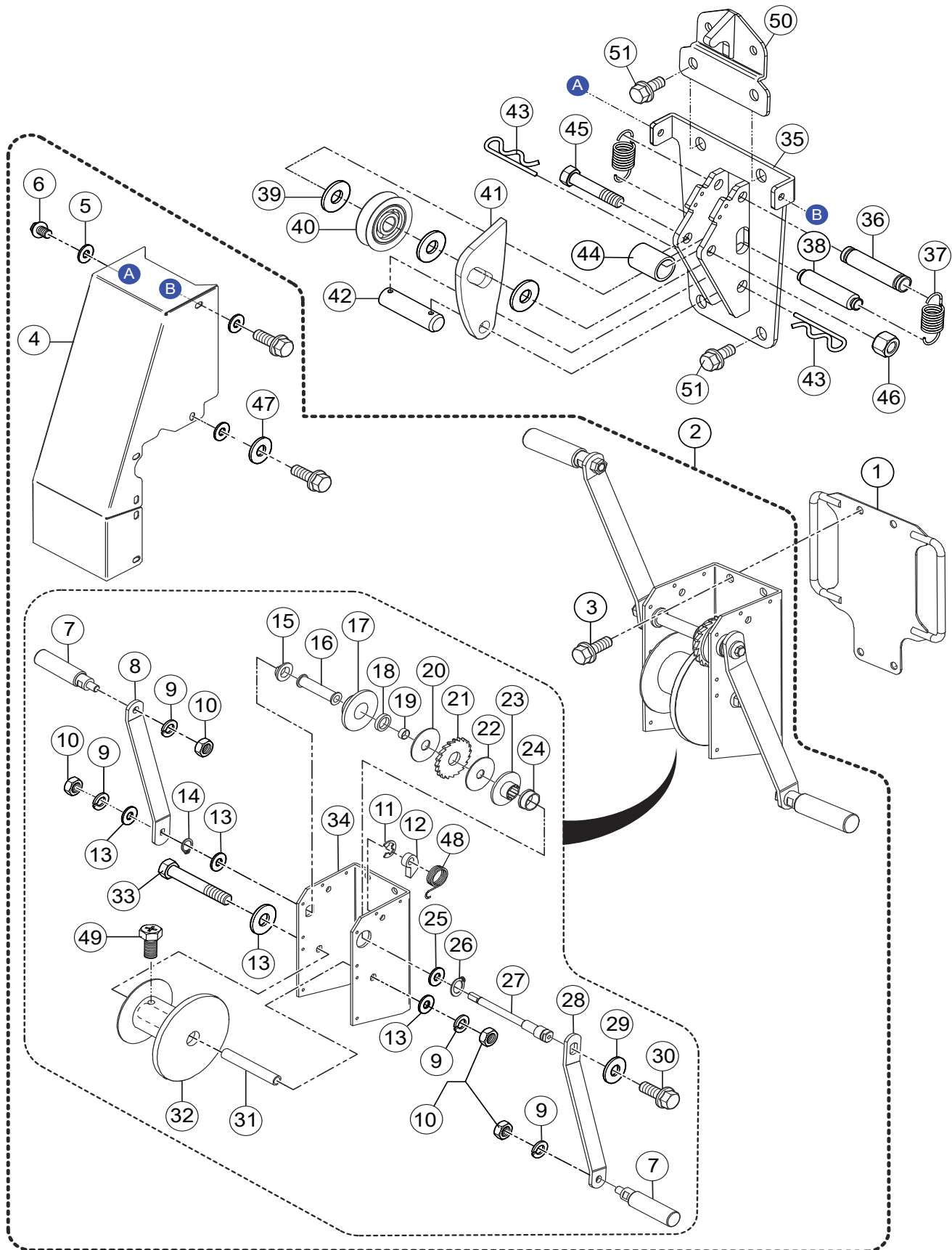
<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0035220000	SELF-LOCK NUT M20	1	
2	A400362100	WASHER, MAST	4	
3	A200145601	BRACKET, MAST	1	
4	0023208016	COUNTERSUNK SCREW M8X16	4	
5	A100132702	FIRST MAST	1	
6	A400427200	PLATE, SLIDER	1	
7	A400362501	PLATE, SLIDER	1	
8	0023206012	COUNTERSUNK SCREW M6X12	2	
9	A400430800	BRACKET, CABLE	1	
10	0043108000	WASHER M8	2	
11	A400434000	BOLT, CABLE	2	
12	0013510025	BOLT AND WASHER ASSY. M10X25	6	
13	A100145300	GUIDE, MAST	1	
14	A400187601	KNOB	1	
15	A300398900	CONNECTOR, MOTOR WINCH CABLE	1	
16	0023103010	SCREW M3X10	7	
17	E000215300	CABLE GLAND W/NUT	1	
18	E000182900	LEVEL GUIDE	1	
19	0023406080	TRUSS SCREW M6X80	2	
20	A400453000	PLATE, CAP	4	
21	0033206000	SELF-LOCK NUT M6	2	
22	A100145400	GUIDE, MAST	1	
23	0013505010	BOLT AND WASHER ASSY. M5X10	6	
24	A200134601	BRACKET RIGHT, GAS SPRING	1	
25	A200134501	BRACKET LEFT, GAS SPRING	1	
26	A400423800	SLIDER	8	
27	0033808000	NUT M8	1	

MAST GROUP 2 ASSY.



MAST GROUP 2 ASSY.

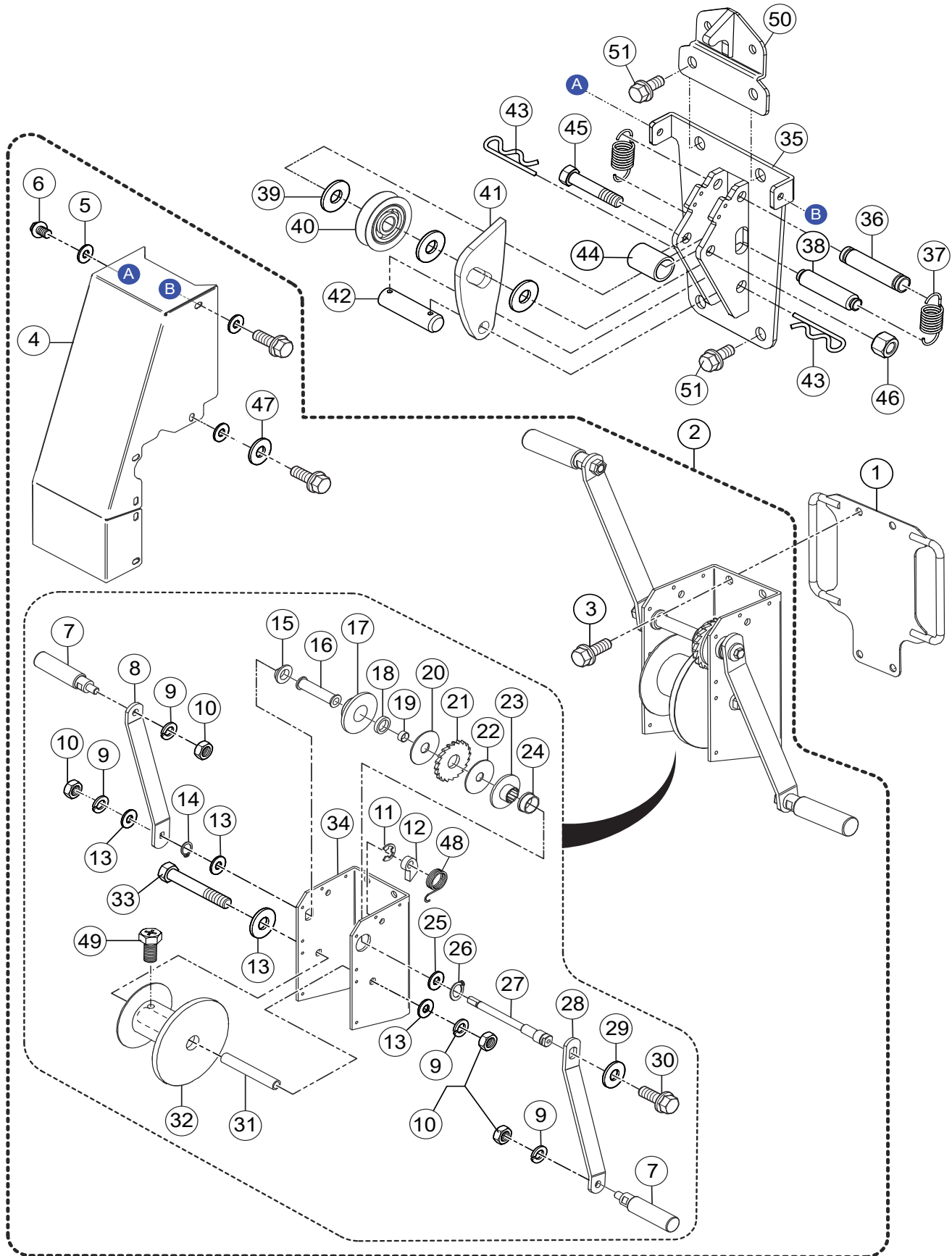
<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A300360500	BRACKET, THIRD MAST	1	
2	0025008016	COUNTERSUNK SCREW M8X16	8	
3	A400427300	PLATE, SLIDER	3	
4	A400333402	PLATE, SLIDER	3	
5	0027106018	COUNTERSUNK SCREW M6X18	8	
6	A400333600	WIRE BRACKET	4	
7	0027205008	SCREW M5X8	32	
8	A100132803	SECOND MAST	1	
9	A300284501	BRACKET, PULLEY	3	
10	A400285200	WASHER, PULLEY	6	
11	A400333800	PULLEY	3	
12	0023206012	COUNTERSUNK SCREW M6X12	12	
13	A400430900	BRACKET, CABLE	1	
14	0043108000	WASHER M8	8	
15	A400434000	BOLT, CABLE	6	
16	A300360600	BRACKET, FOURTH MAST	1	
17	A100132902	THIRD MAST	1	
18	A400431000	BRACKET, CABLE	1	
19	A400432003	WIRE ROPE 1	1	
20	A100133002	FOURTH MAST	1	
21	A400431100	BRACKET, CABLE	1	
22	A200132602	FIFTH MAST	1	
23	A400432103	WIRE ROPE 2	2	
24	A400351000	PLATE, SLIDER	1	
25	A400431901	WIRE ROPE	1	
26	A400423800	SLIDER	40	
27	0033808000	NUT, M8	2	



WINCH ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A200132102	HANDLE, MAST	1	
2	A000079701	WINCH ASSY.....	1	INCLUDES ITEMS W/\$
3\$	0013510030	BOLT AND WASHER ASSY. M10X30	4	
4\$	A100132300	COVER, WINCH	1	
5\$	E000181900	PLASTIC WASHER	12	
6\$	0013806010	FLANGE BOLT M6X10	12	
7\$	1011001361	GRIP	2	
8\$	A300340202	HANDLE, LEFT	1	
9\$	0043212000	WASHER, LOCK M12	4	
10\$	0033112000	NUT M12	4	
11\$	0040707000	SNAP RING	1	
12\$	1011000360	RACHET	1	
13\$	0043112000	WASHER M12	4	
14\$	0040712000	SNAP RING	1	
15\$	A400359001	BUSHING, FRAME 2	1	
16\$	A400431200	WHEEL, THRUST	1	
17\$	A400431701	GEAR, DRUM	1	
18\$	E000050700	COLLAR, LARGE	1	
19\$	E000050800	COLLAR, SMALLER	1	
20\$	E000050600	LINING	1	
21\$	1011000960	RACHET GEAR	1	
22\$	1011000860	LINING	1	
23\$	E000050900	BACKPLATE	1	
24\$	E000051000	BUSHING, FRAME	1	
25\$	A400410700	WASHER	1	
26\$	0040721000	SNAP RING	1	
27\$	A300356701	SHAFT, DRUM	1	
28\$	A300340102	HANDLE, RIGHT	1	
29\$	952401450	WASHER	1	REPLACES P/N 1011001460
30\$	0013508020	BOLT AND WASHER ASSY. M8X20	1	
31\$	A400410600	PIPE, DRUM	1	
32\$	A200132400	DRUM	1	
33\$	0013112140	BOLT M12X140	1	
34\$	A200132201	FRAME, WINCH	1	
35	A200129800	BRACKET, PULLEY	1	
36	A400333700	PIN, PULLEY UPPER	1	
37	A400285400	SPRING, PULLEY	2	
38	A400284501	PIN, PULLEY LOWER	1	
39	A400285200	WASHER, PULLEY	3	
40	A400333800	PULLEY	1	

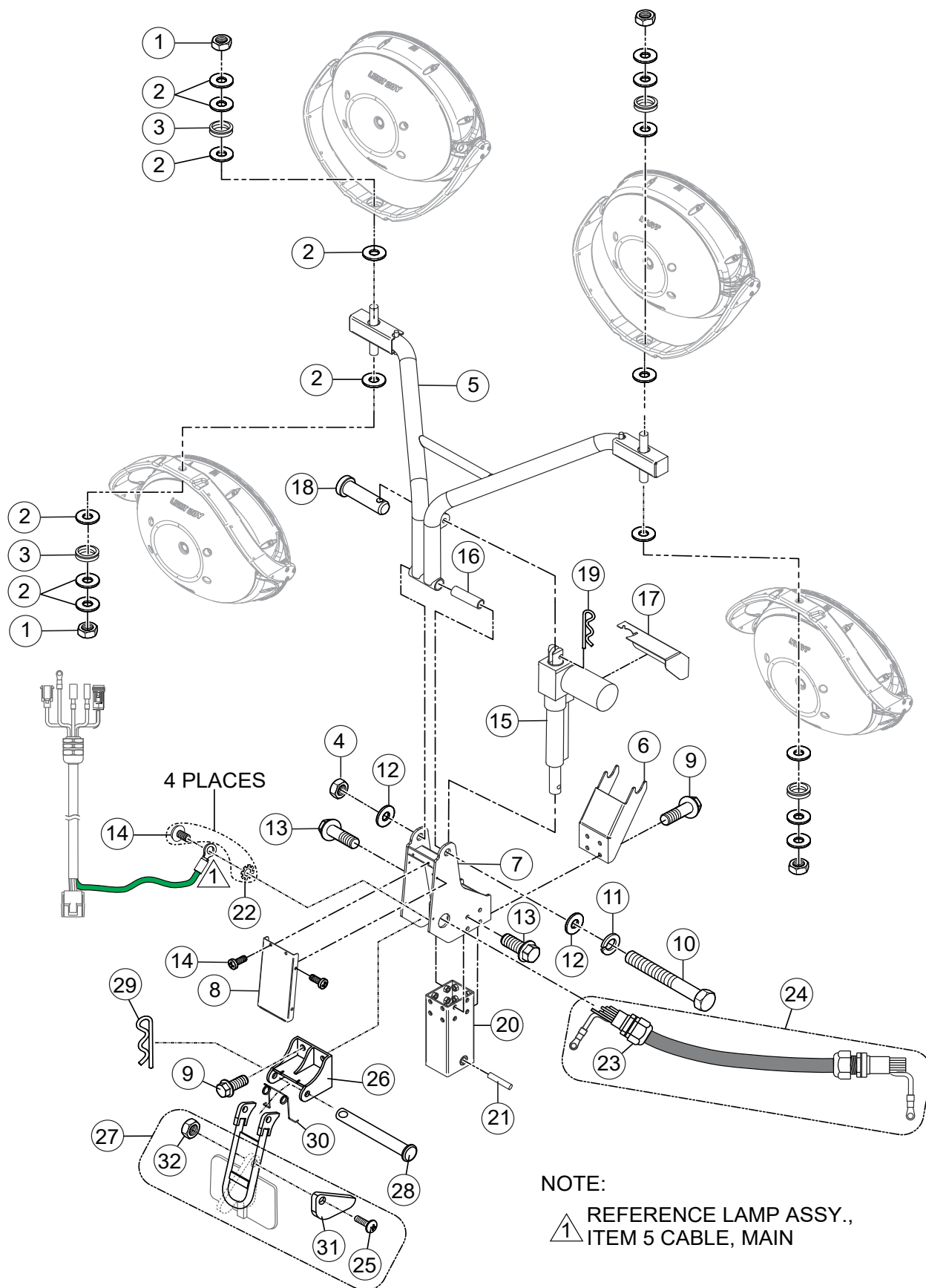
WINCH ASSY. (CONT'D.)



WINCH ASSY. (CONT'D.)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
41	A400333200	STOPPER	1	
42	A400284700	PIN, STOPPER	1	
43	0053512000	SNAP PIN	2	
44	A400285000	SPACER, PULLEY	1	
45	0013108040	BOLT M8X40	1	
46	0033208000	SELF-LOCK NUT M8	1	
47\$	0043106000	WASHER M6	1	
48\$	1011000460	SPRING	1	
49\$	0010505010	BOLT M5X10	1	
50	A300402000	HOOK	1	
51	0013510025	BOLT AND WASHER ASSY. M10X25	4	

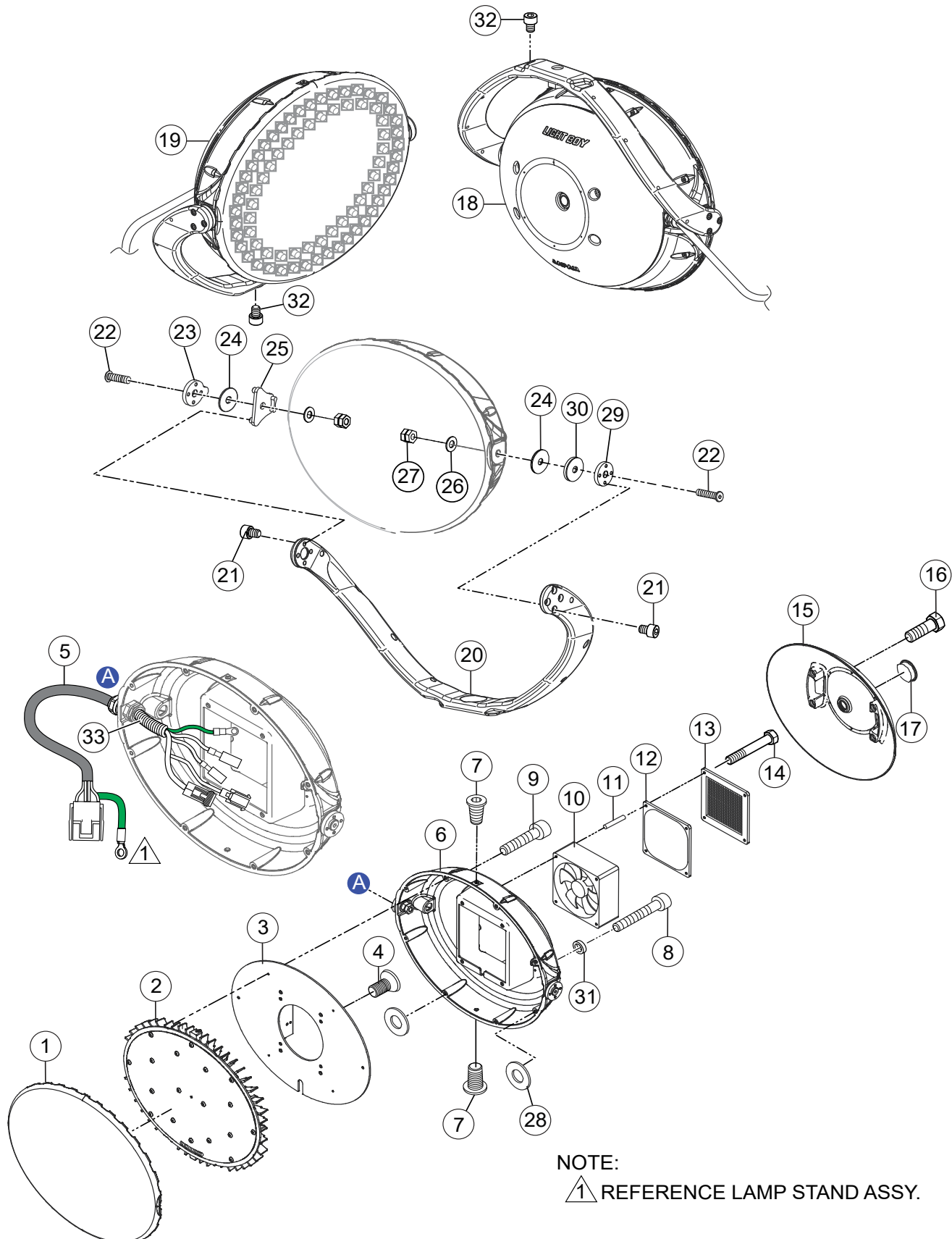
LAMP STAND ASSY.



LAMP STAND ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0034116000	NUT M16	4	
2	E000144001	WASHER M16	16	
3	1042000230	SPRING, LAMP	4	
4	0033216000	SELF-LOCK NUT M16	1	
5	A100131902	STAND	1	
6	A200136500	SUPPORT, LAMP STAND	1	
7	A100131801	ADAPTER, LAMP STAND	1	
8	A300356901	COVER, ADAPTER	1	
9	0014808025	FLANGE BOLT M8X25	8	
10	0013516110	BOLT ASSY. M16X110	1	
11	0043216000	WASHER, LOCK M16	1	
12	0043116000	WASHER M16	2	
13	0014808020	FLANGE BOLT M8X20	8	
14	0026004012	SCREW M4X12	10	
15	E000165800	ACTUATOR	1	
16	A400430200	SPACER	1	
17	A200125302	COVER, ACTUATOR	1	
18	A400430100	CLEVIS PIN	1	
19	0053510000	COTTER PIN	1	
20	A200131901	BRACKET, ACTUATOR	1	
21	A400430000	PIN, BRACKET	1	
22	0043904000	TOOTHED LOCKED WASHER M4	4	
23\$	E000174200	CABLE GLAND	1	
24	A200150800	CABLE, LAMP W/CABLE GLAND	1	INCLUDES ITEMS W/\$
25&	0023104015	SCREW, M4X15	1	
26	A300401900	BRACKET, SHACKLE	1	
27	A300402101	SHACKLE	1	INCLUDES ITEMS W/&
28	E000220600	CLEVIS PIN, SHACKLE	1	
29	0053508000	COTTER PIN	1	
30	A400488201	RETURN SPRING	1	
31&	A400488500	PLATE, STOPPER	1	
32&	0033204000	SELF-LOCK NUT M4	1	

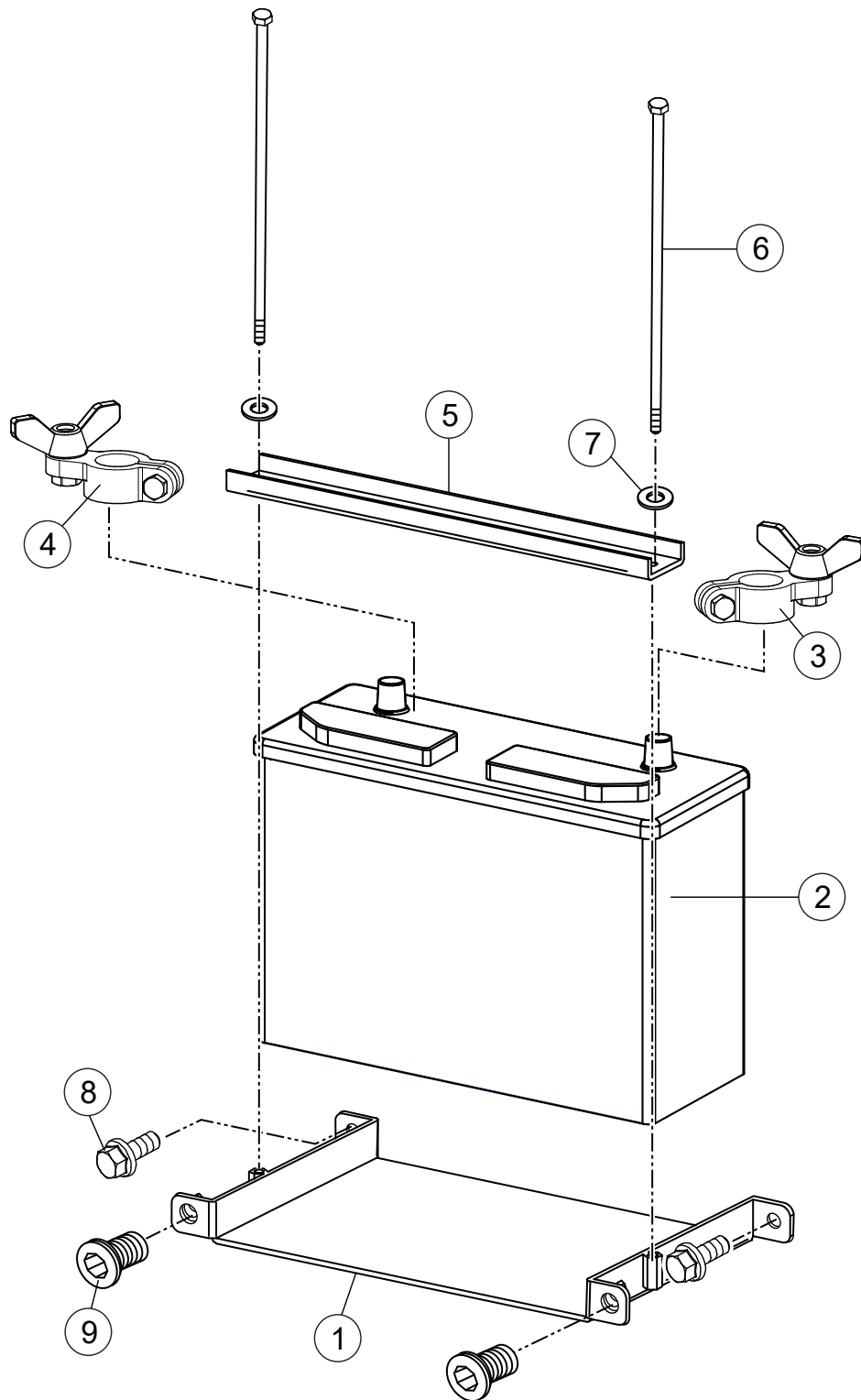
LAMP ASSY.



LAMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A000060602	FRONT COVER ASSY.	4	
2	A000060702	LIGHTING UNIT ASSY.	4	
3	A000060904	BALANCE BOARD ASSY.	4	
4	0025004010	COUNTERSUNK SCREW M4X10	8	
5	A300401700	CABLE, MAIN	4	
6	A100110601	ARM BRACKET	4	
7	0017206010	SCREW, SLIM HEAD M6X10	8	
8	0026405030	BOLT, SOCKET HEAD M5X30	32	
9	0017006016	BOLT, SOCKET HEAD M6X16	16	
10	A300328800	FAN	4	
11	E000153300	SPACER	16	
12	A400400502	PLATE, FAN	4	
13	E000134400	FAN GUARD	4	
14	0024304035	SCREW, TRUSS HEAD M4X35	16	
15	A100110500	BACK COVER	4	
16	0018108012	BOLT, SOCKET HEAD M8X12	16	
17	E000148500	CAP	4	
18	A000085700	LED 300W SPOT LIGHT UNIT, LEFT ASSY.	2	
19	A000085800	LED 300W SPOT LIGHT UNIT, RIGHT ASSY.	2	
20	A100117002	ARM, LED SPOT	4	
21	0017105008	BOLT, SOCKET HEAD M5X8	32	
22	0018010035	BOLT M10X35	8	
23	A400403201	BAFFLE PLATE	4	
24	A400418600	WASHER, M10	8	
25	A400417601	PLATE, BRACKET	4	
26	A400418100	WASHER M10	8	
27	E000138500	LOCKNUT M10	8	
28	A400470900	WASHER, COVER	32	
29	A400280302	BRACKET, ARM	4	
30	A400445300	SPACER	4	
31	0046005000	WASHER, LOCK M5	32	
32	0017108006	BOLT, SOCKET HEAD M8X6	4	
33	A400417800	TUBE COVER	4	

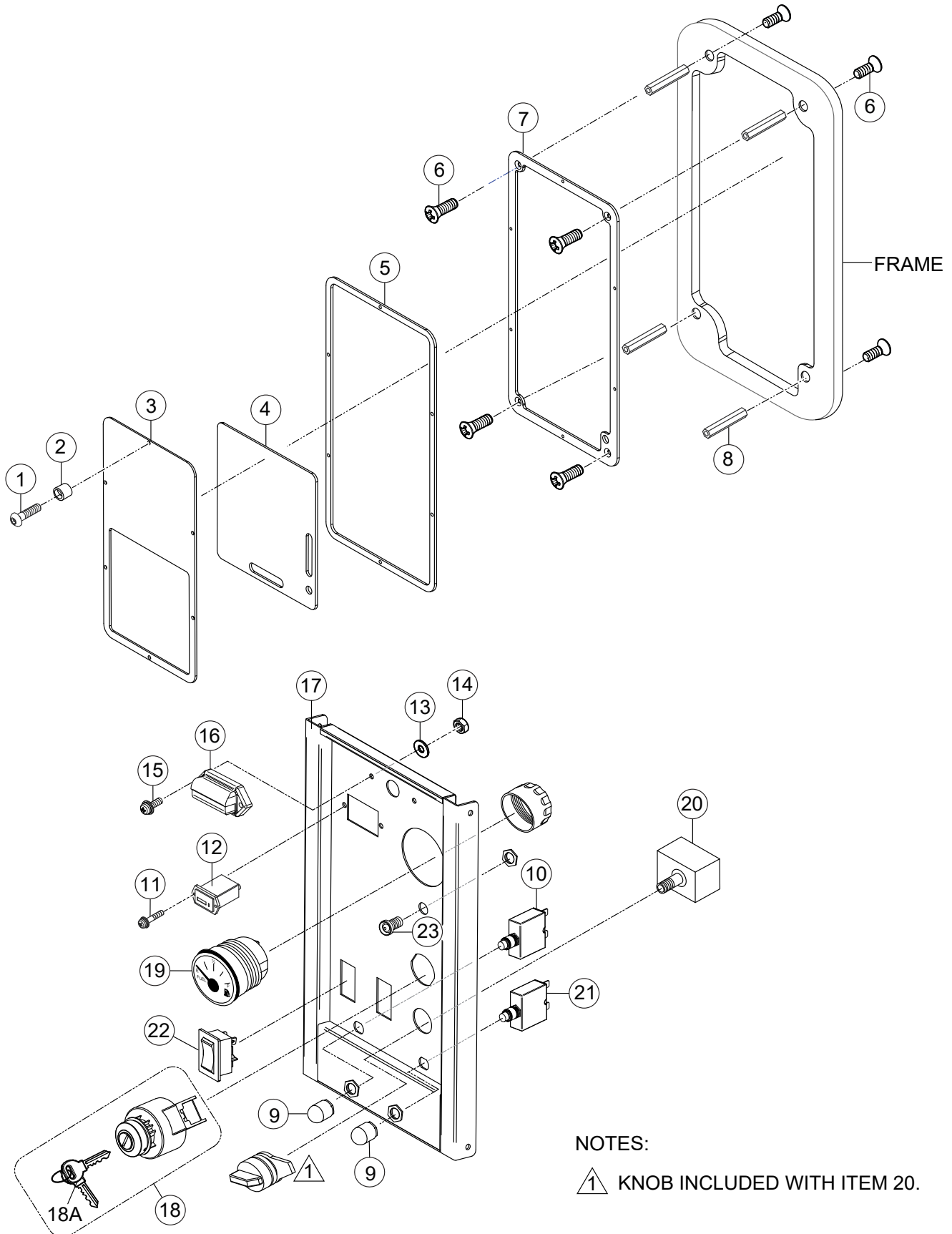
BATTERY ASSY.



BATTERY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A200146300	BRACKET, BATTERY	1	
2	E000209600	BATTERY	1	
3	E000215100	TERMINAL (-)	1	
4	E000215000	TERMINAL (+)	1	
5	A300390600	HOLDER, BATTERY	1	
6	0013106200	ROD, BATTERY	2	
7	0043106000	WASHER, FLAT M6	2	
8	0013508020	BOLT ASSY. M8X20	2	
9	0015308015	BOLT, M8X15	2	

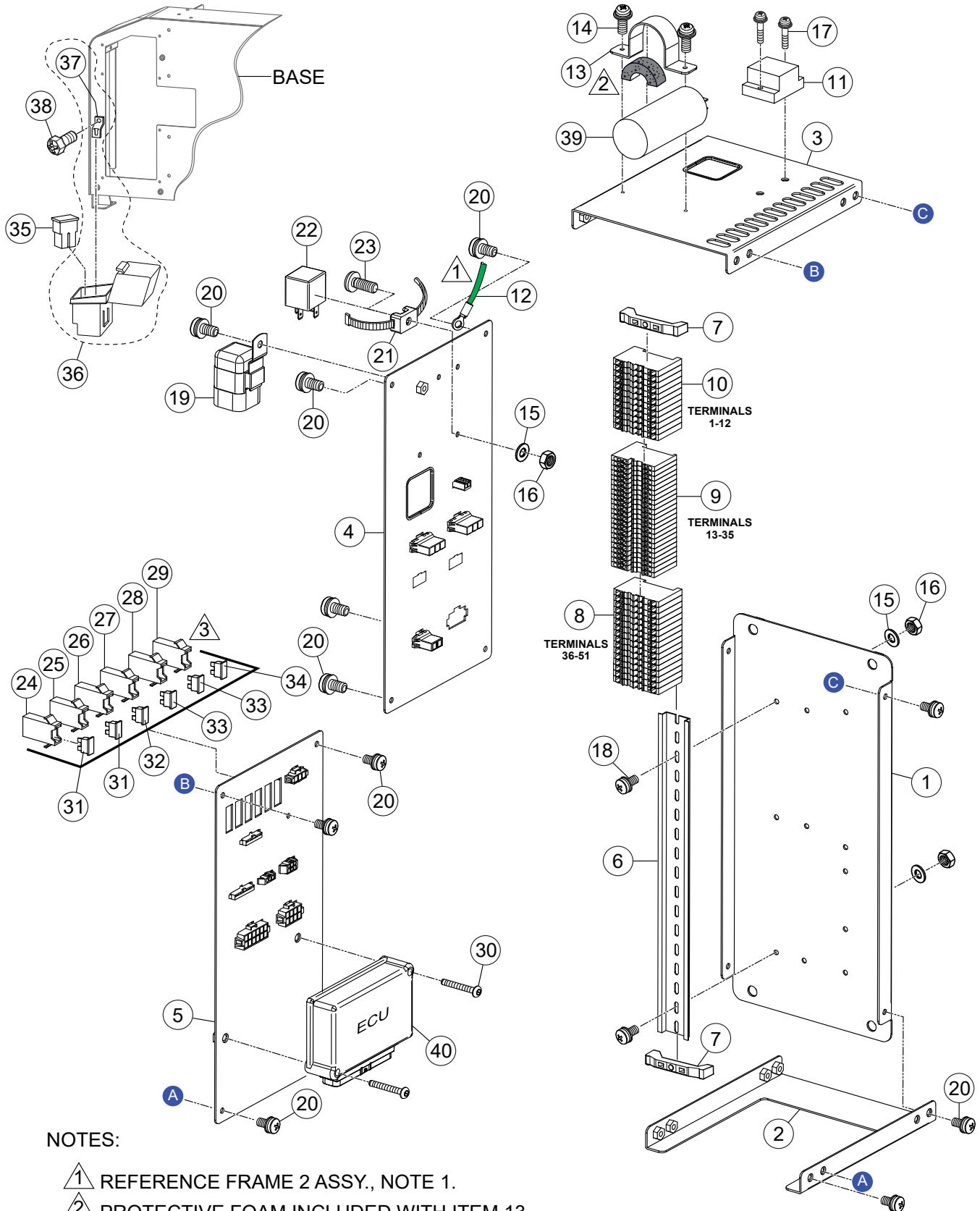
CONTROL PANEL ASSY.



CONTROL PANEL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0028003012	TORX SCREW M3X12	6	
2	E000208300	SPACER M3	6	
3	A300391800	COVER, SWITCH	1	
4	A300391700	DOOR, COVER SWITCH	1	
5	A300391400	PLATE, COVER SWITCH	1	
6	0023204010	COUNTERSUNK SCREW M4X10	8	
7	A300391300	PLATE, COVER SWITCH	1	
8	E000219600	SPACER, M-4-40 FF	4	
9\$	E000168900	CAP, BREAKER	2	
10	A300402901	CIRCUIT BREAKER LAMP, 15A.....	1.....	INCLUDES ITEMS W/\$
11	0026004012	SCREW, TRUSS HEAD M4X12	2	
12	A300399900	HOUR METER W/WIRE	1	
13	0041210000	WASHER, M4	4.....	REPLACES P/N 0043104000
14	0033104000	NUT, M4	4	
15	0026904012	COUNTERSUNK SCREW M4X12	2	
16	A300398300	CONTROL PANEL LAMP	1	
17	A200148602	PANEL	1	
18	A300382700	IGNITION SWITCH W/KEY	1	
18A	EEN0021400	KEY, IGNITION SWITCH	1	
19	A300400000	FUEL GAUGE METER ASSY. W/NUT	1	
20	A300401000	ACTUATOR SWITCH ASSY. W/WIRE	1	
21	A300398100	CIRCUIT BREAKER OUTLET, 15A.....	1.....	INCLUDES ITEMS W/\$
22	E000080600	LIGHT SWITCH	2	
23	A300399700	LAMP, ERROR INDICATOR	1	

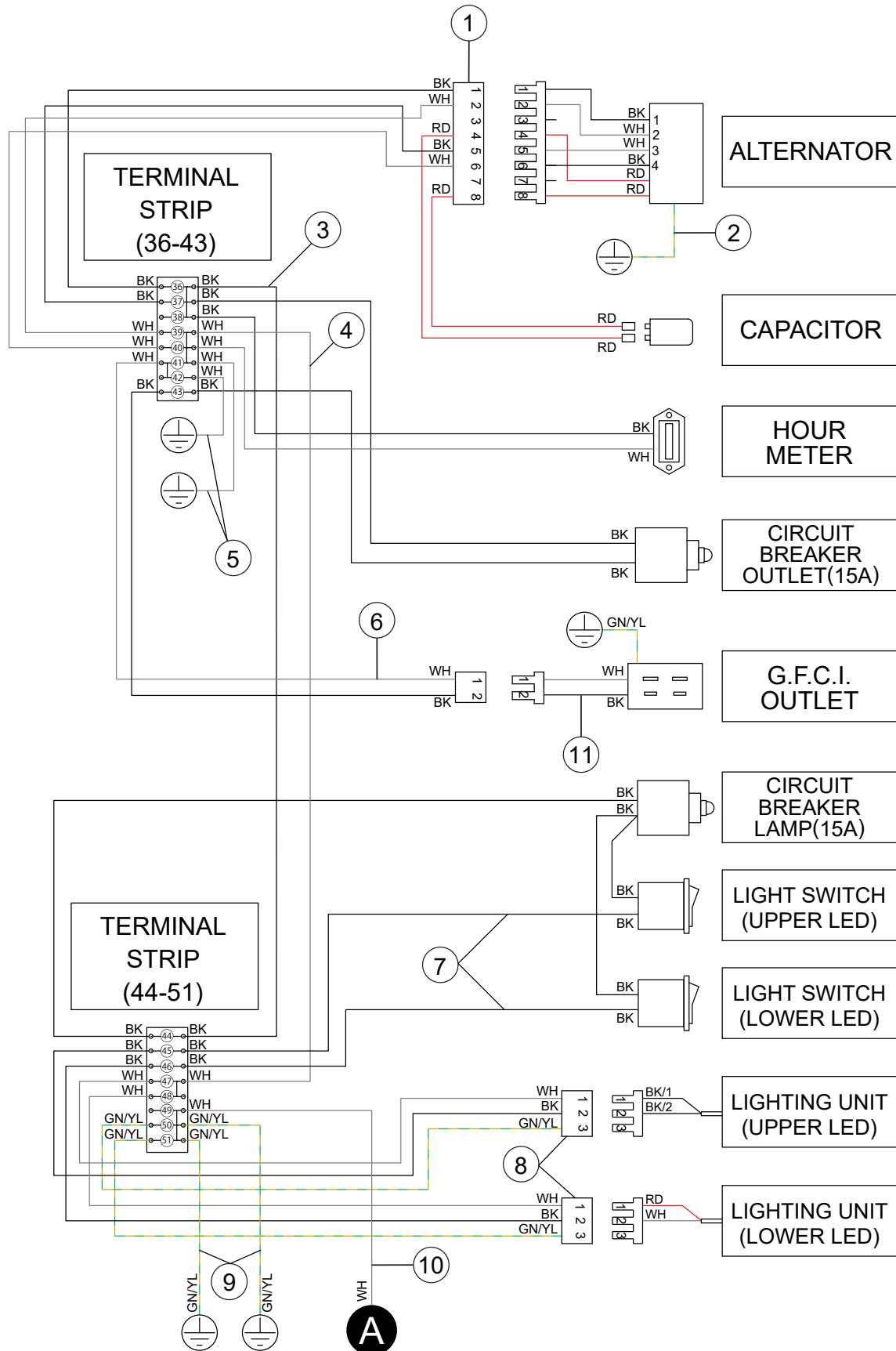
ELECTRICAL COMPONENTS ASSY.



ELECTRICAL COMPONENTS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A100146902	PLATE, BOX-BACK	1	
2	A200148000	PLATE, BOX-BOTTOM	1	
3	A200148702	PLATE, BOX-TOP	1	
4	A200149100	BOX, RELAY B	1	
5	A200149000	BOX, RELAY C	1	
6	E000185200	DIN RAIL 330, 9.8"	1	
7	E000185100	TERMINAL END	2	
8	A300401500	TERMINAL BLOCK, 35-51 POSITION	1	
9	A300401400	TERMINAL BLOCK, 13-35 POSITION	1	
10	A300401300	TERMINAL BLOCK, 1-12 POSITION	1	
11	E000210200	TERMINAL BLOCK	1	
12	A400484900	CABLE, CONTROL BOX, 44	1	
13	E000215500	CAPACITOR HOLDER W/FOAM	1	
14	0023303010	SCREW ASSY., M3X10	2	
15	0043104000	WASHER, M4	3	
16	0033104000	NUT, M4	3	
17	0023304020	SCREW ASSY. M4X20	2	
18	0023304012	SCREW ASSY. M4X12	2	
19	E000209200	RELAY, STARTER	1	
20	0023305010	SCREW ASSY. M5X10	17	
21	E000134600	TIE MOUNT	1	
22	E000209400	RELAY, GLOW	1	
23	0023104010	SCREW, M4X10	1	
24	A400483300	HOLDER W/ FUSE, FUSE 1	1	
25	A400483400	HOLDER W/ FUSE, FUSE 2	1	
26	A400483500	HOLDER W/ FUSE, FUSE 3	1	
27	A400483600	HOLDER W/ FUSE, FUSE 4	1	
28	A400483700	HOLDER W/ FUSE, FUSE 5	1	
29	A400483800	HOLDER W/ FUSE, FUSE 6	1	
30	0014806045	BUTTON BOLT ASSY. M6X45	2	
31	E000219900	FUSE 1, 5A	2	
32	E000220000	FUSE 2, 10A	1	
33	E000220100	FUSE 3, 20A	2	
34	E000220200	FUSE 4, 30A	1	
35	E000220300	A TYPE FUSE, 50A	1	
36	A300401101	FUSE HOLDER, 50A AMP	1	INCLUDES ITEM W/\$
37\$		BRACKET, FUSE HOLDER	1	
38	0010505010	SCREW, FUSE HOLDER BRACKET	1	
39	9910303097	BALLAST CAPACITOR 18 μ F @400 VAC	1	
40	1J32260601	ENGINE CONTROLLER UNIT	1	

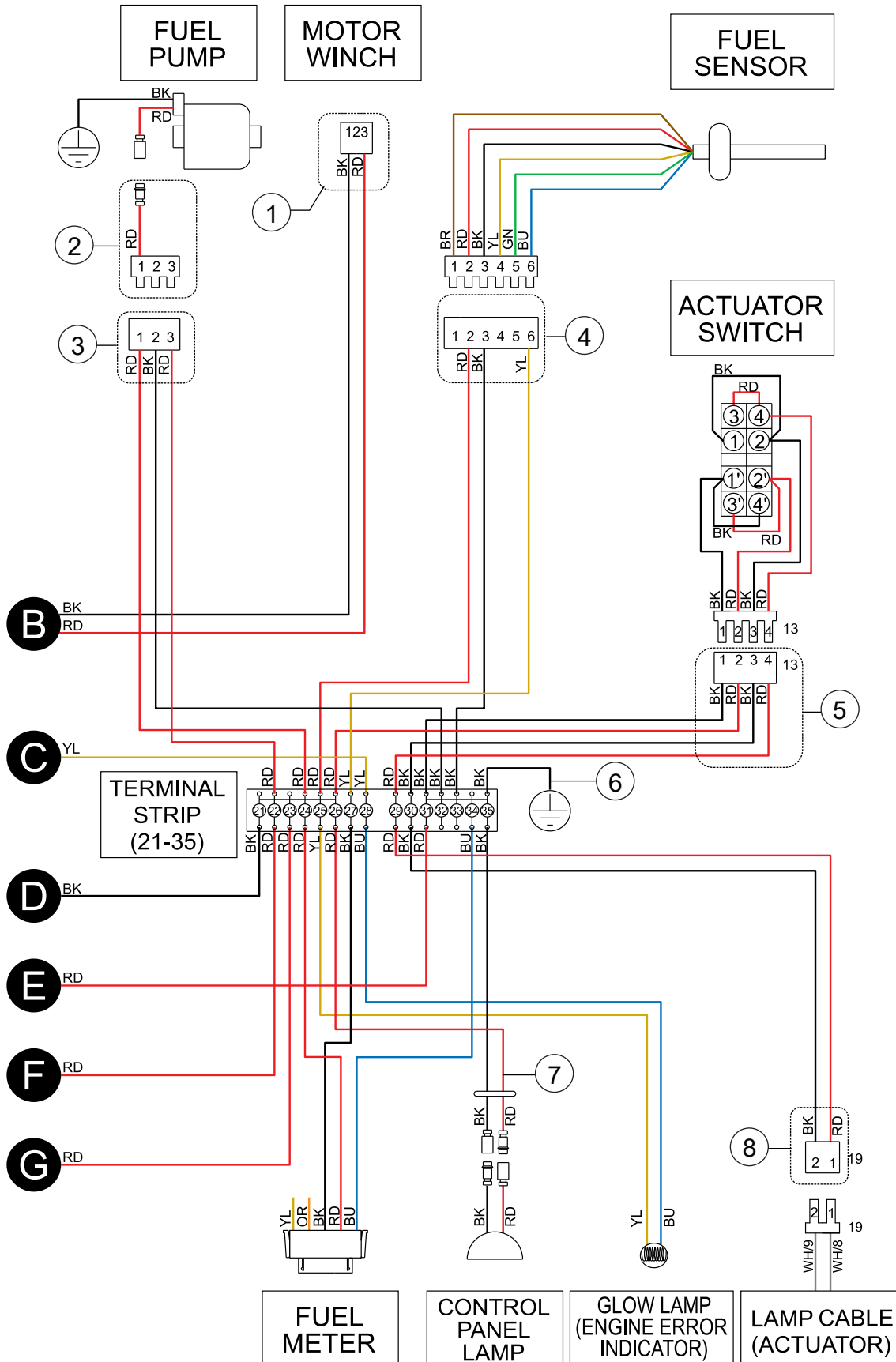
AC WIRING ASSY.



AC WIRING ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A300400600	C. BOX CABLE 2	1	
2	A400482300	CABLE, -	1	
3	A400484500	C. BOX CABLE 3	1	
4	A400484600	C. BOX CABLE 4	1	
5	A400484300	C. BOX CABLE 6	2	
6	A300399100	C. BOX CABLE 8	1	
7	A400491000	CABLE, LIGHT SWITCH	2	
8	A300398700	C. BOX CABLE 10	2	
9	A400484400	C. BOX CABLE 11	2	
10	A400484100	C. BOX CABLE 12	1	
11	A300399200	CABLE, GFCI 1	1	

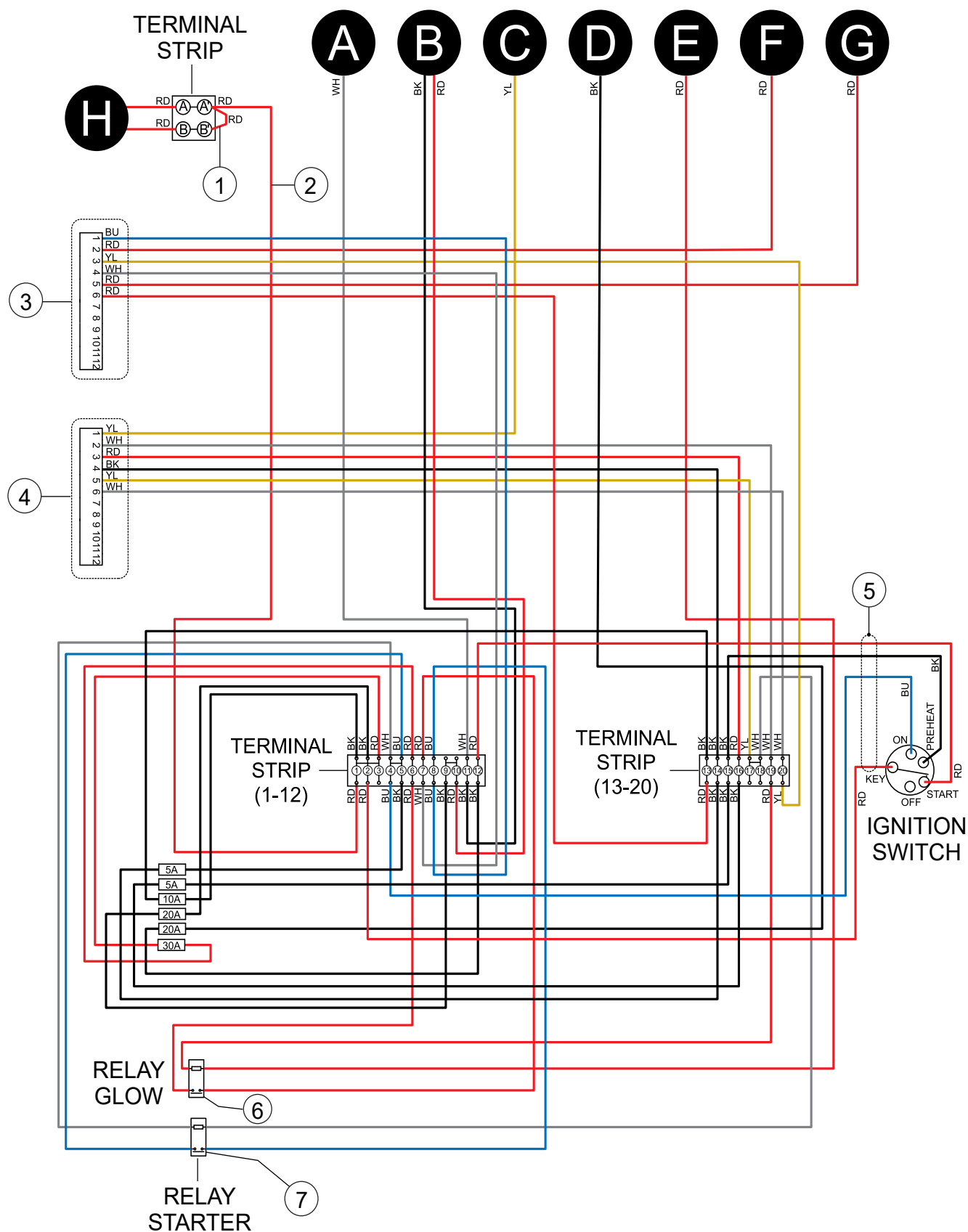
DC WIRING ASSY.



DC WIRING ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A300399000	C. BOX CABLE 16	1	
2	A400482400	CABLE, PUMP	1	
3	A300400400	C. BOX CABLE 21	1	
4	A300400900	C. BOX CABLE 17	1	
5	A300400500	C. BOX CABLE 19	1	
6	A400484200	C. BOX CABLE 20	1	
7	A400484800	C. BOX CABLE 23	1	
8	A300398800	C. BOX CABLE 26	1	

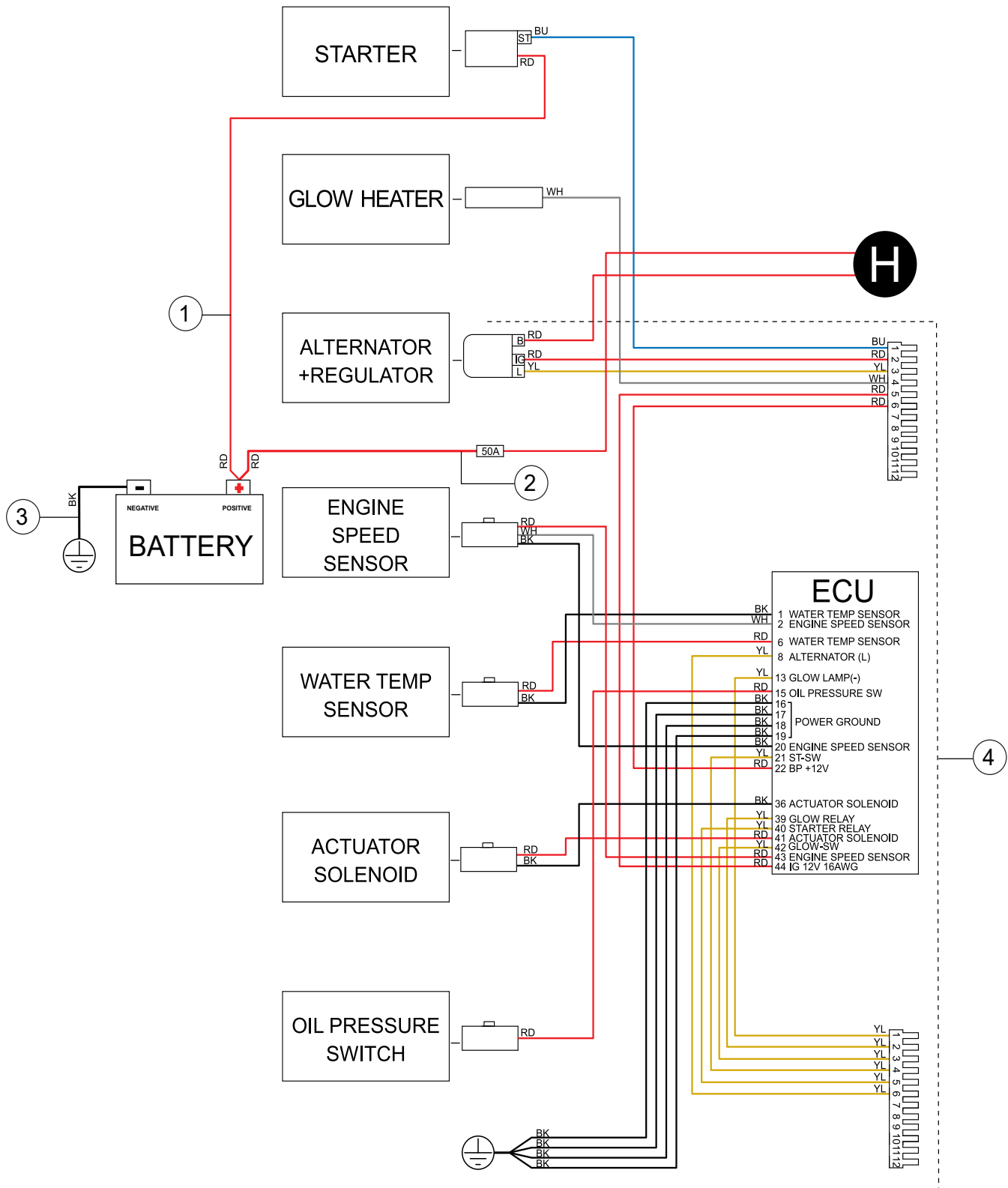
ENGINE WIRING 1 ASSY.



ENGINE WIRING 1 ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A400483900	C. BOX CABLE 27	1	
2	A400484000	C. BOX CABLE 28	1	
3	A300400700	C. BOX CABLE 29	1	
4	A400484700	C. BOX CABLE 30	1	
5	A300399800	CABLE, KEY SWITCH	1	
6	A300400200	CONNECTOR, GLOW RELAY	1	
7	A300400100	CONNECTOR, STARTER RELAY	1	

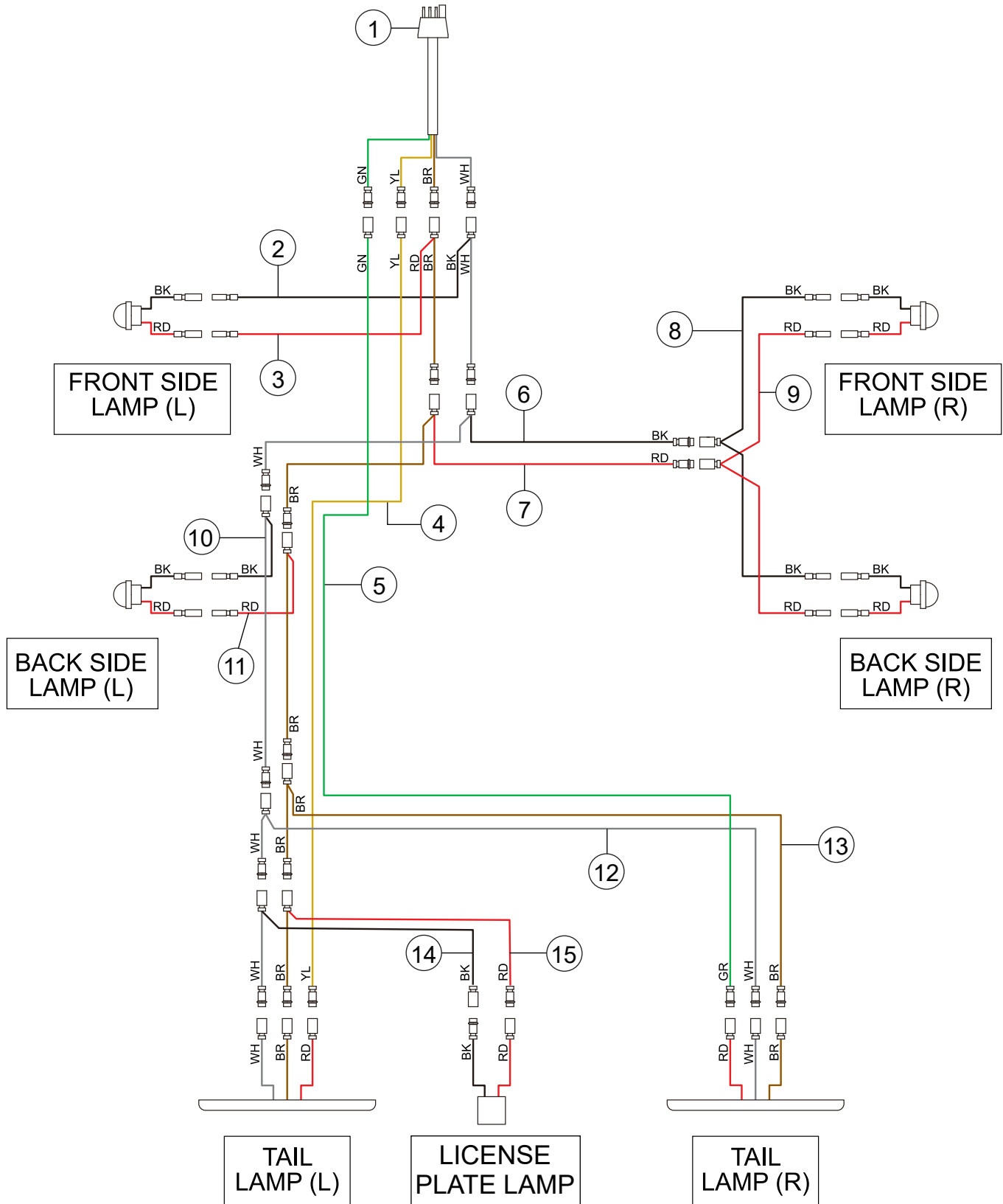
ENGINE WIRING 2 ASSY.



ENGINE WIRING 2 ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A300397201	CABLE, BATTERY +	1	
2	A300401100	CABLE, FUSE 50A	1	
3	A300397301	CABLE, BATTERY -	1	
4	A200149201	CABLE, Z482	1	

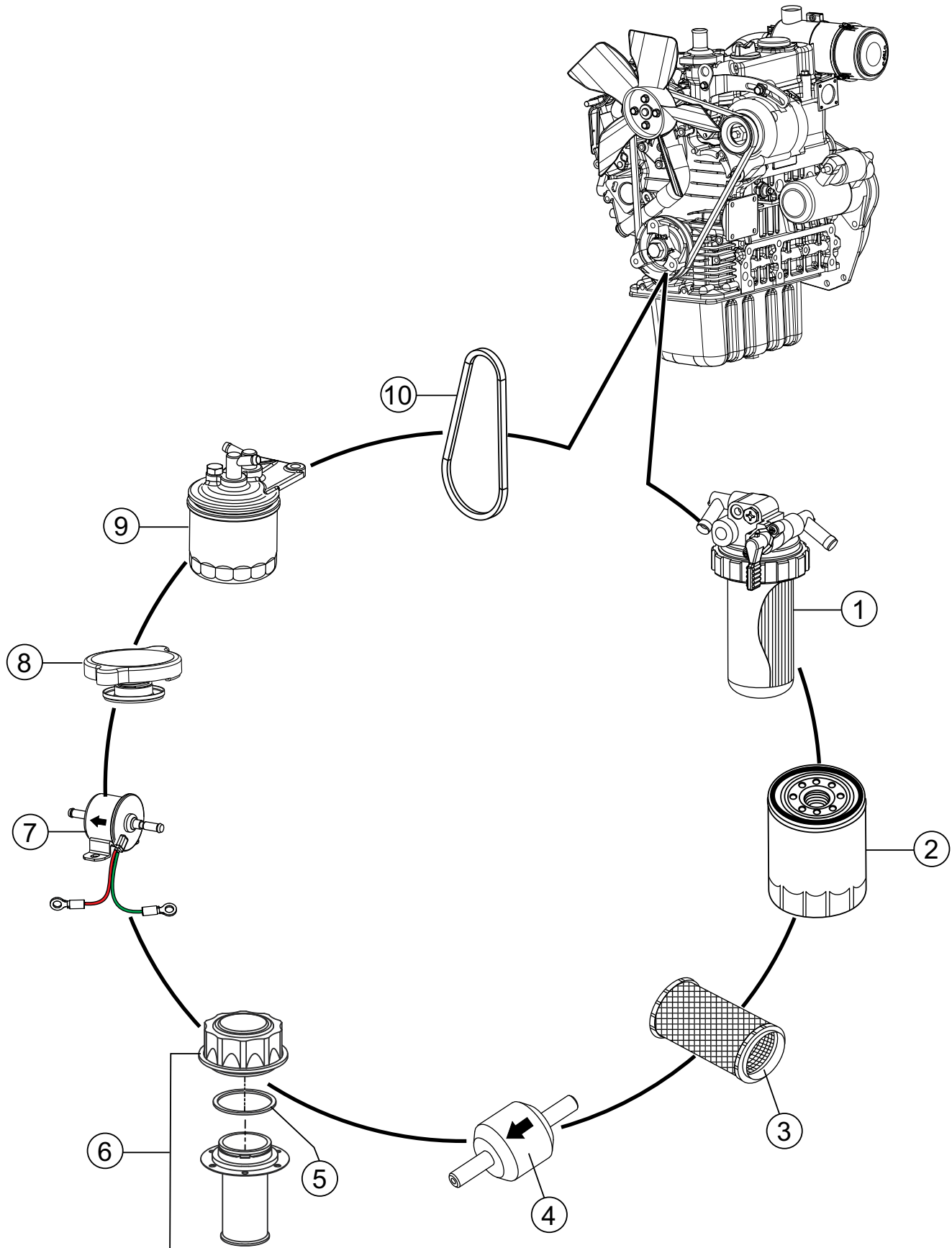
TRAILER WIRING LIGHTS ASSY.



TRAILER WIRING LIGHTS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A300400800	TRAILER CABLE 1	1	
2	A400485900	BRANCH CABLE 1 N	1	
3	A400486000	BRANCH CABLE 1 P	1	
4	A400486100	LEFT TAIL LAMP CABLE, YELLOW	1	
5	A400486200	RIGHT TAIL LAMP CABLE, GREEN	1	
6	A400486300	BRANCH CABLE 2 N	1	
7	A400486400	BRANCH CABLE 2 P	1	
8	A400486500	BRANCH CABLE 3 N	1	
9	A400486600	BRANCH CABLE 3 P	1	
10	A400486700	BRANCH CABLE 4 N	1	
11	A400486800	BRANCH CABLE 4 P	1	
12	A400486900	BRANCH CABLE 5 N	1	
13	A400487000	BRANCH CABLE 5 P	1	
14	A400487100	BRANCH CABLE 6 N	1	
15	A400487200	BRANCH CABLE 6 P	1	

ENGINE SERVICE PARTS



ENGINE SERVICE PARTS

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	1T02143560	ELEMENT, FUEL WATER SEPARATOR	1	
2	1J09032430	CARTRIDGE, OIL FILTER	1	
3	1G6571122	ELEMENT, AIR FILTER	1	
4	1C01042461	IN-LINE FUEL FILTER	1	
5	A400449101	GASKET, FUEL CAP	1	
6	E000170600	FUEL CAP SET W/FILTER	1	
7	36920-4	FUEL PUMP, +12 VDC	1	
8	0602011079	CAP, RADIATOR	1	
9	1522443010	CANISTER, FUEL FILTER	1	
10	1980572530	V-BELT, 34.5 IN. (876 MM)	1	

PARTS MANUAL

HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

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