

Allmand™

Brighter. Warmer. Safer.

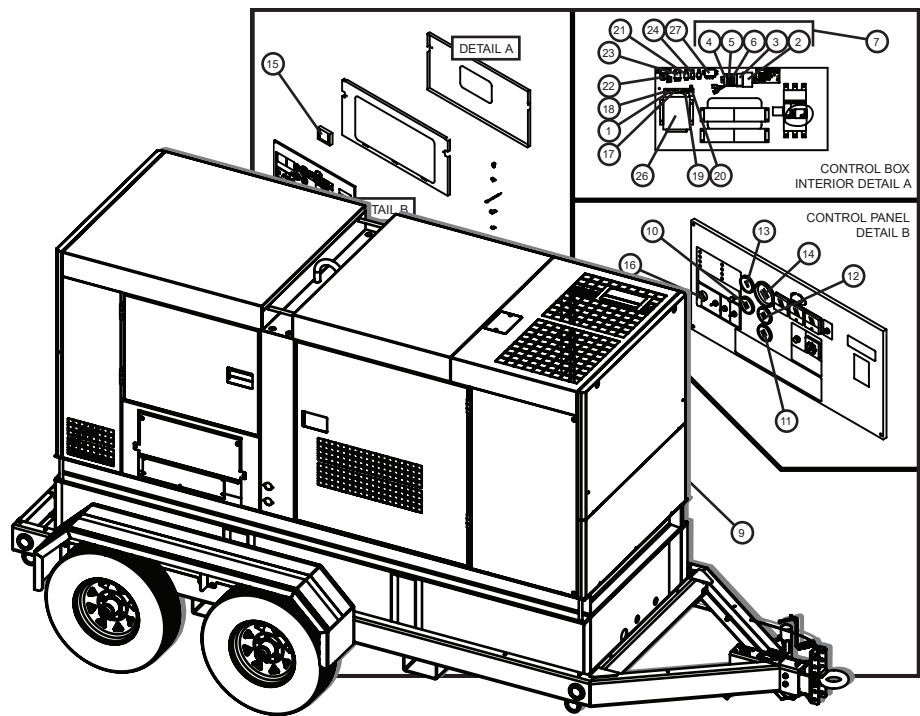
Portable
Industrial
Heaters

Portable
Light Towers

Portable
Light Stands

Solar Flashing
Arrow Boards

en Parts Manual
MAXI-POWER™ 150



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Part No.: 112122
Revision: C
Serial No.: 27-000001 to 27-000099

LIGHT TOWER APP



Reliability, Performance, and Integrity Since 1938

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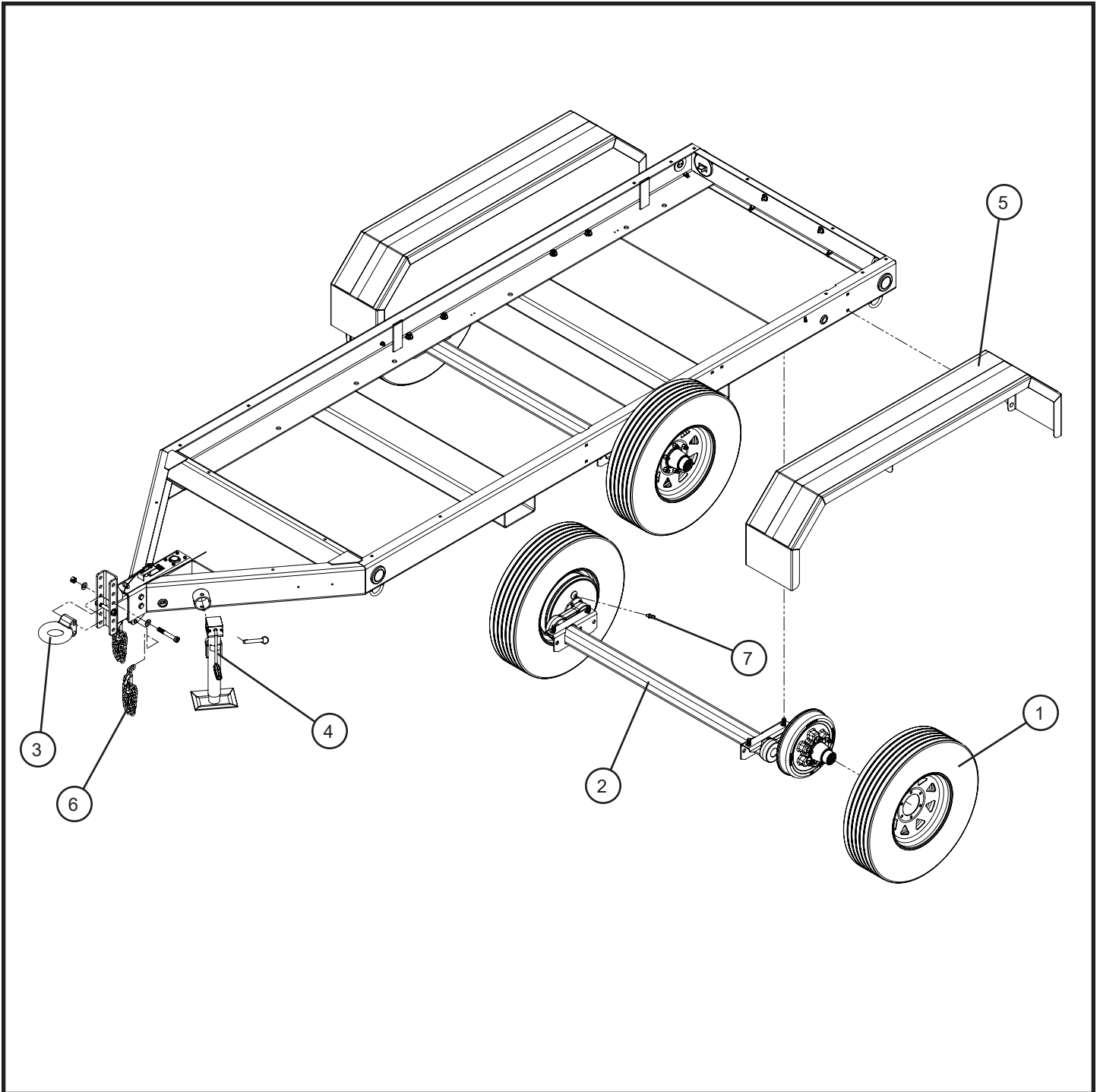
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1.1 - Trailer Axle, Jack, and Coupler

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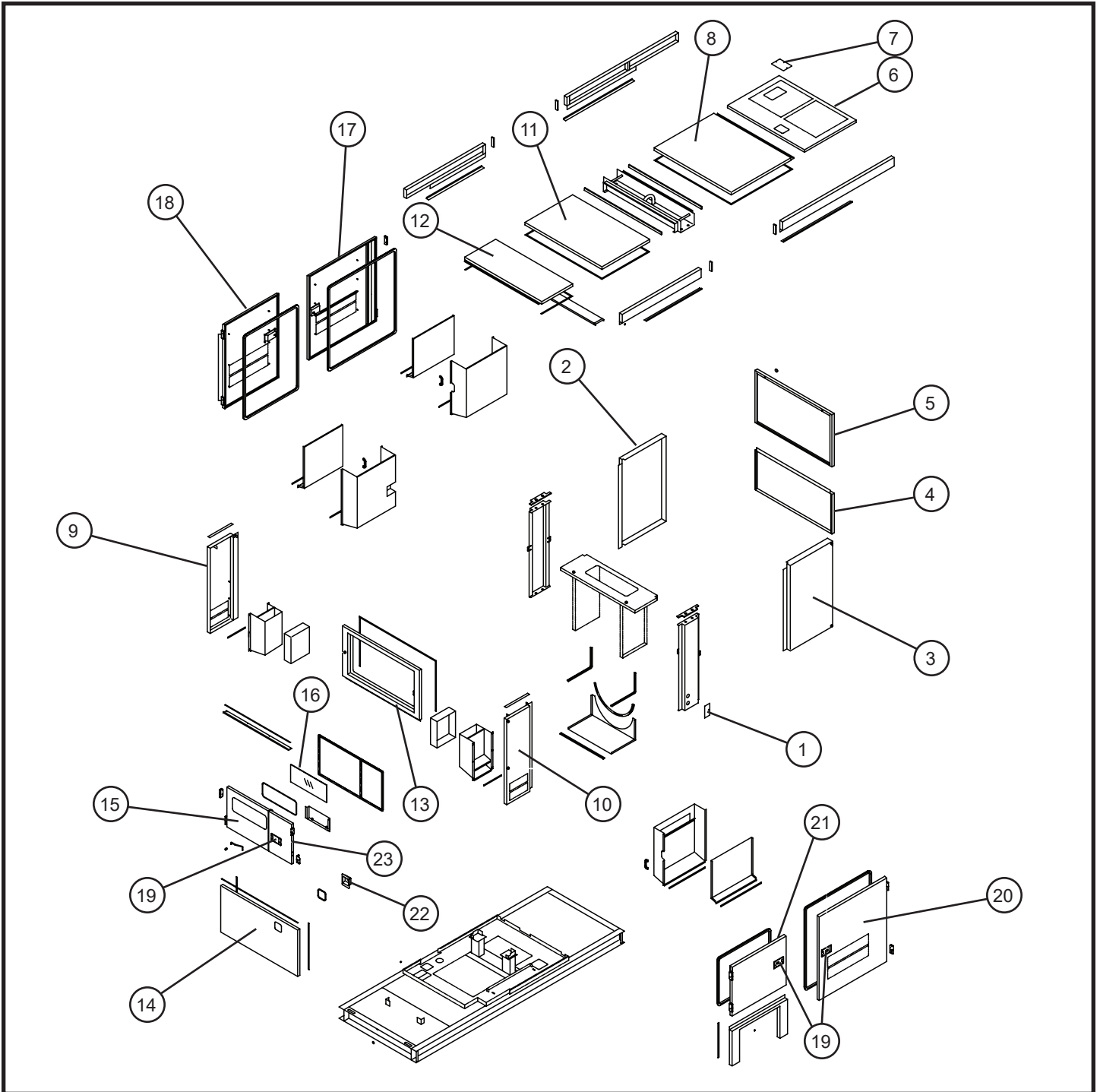
1.1 - Trailer Axle, Jack, and Coupler

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	113445	n/a	WHEEL W/ TIRE ASSEMBLY, 2600 LB CAPACITY	4
2	113448	n/a	5.2K TORSION AXLE (INCLUDES HARDWARE)	2
3	113449	n/a	3" CHANNEL MOUNT TOW RING	1
4	113451	n/a	TUBE MOUNT 7K TOP WIND JACK	1
5	113457	n/a	MP 125/150 FENDER (INCLUDES HARDWARE AND GRIP TAPE)	2
	113460	n/a	MP 125/150 FENDER GRIP TAPE KIT	2
6	113464	n/a	MP 125/150 SAFETY TOW CHAINS	2
7	113467	n/a	MP 125/150 RUBBER BRAKE HOSE W/ END FITTINGS (NOT COMPLETELY SHOWN)	1
NS	113461	n/a	MASTER CYLINDER BRAKE ACTUATOR	1
NS	113483	n/a	MP 125/150 STEEL BRAKE LINE KIT	1

1.2 - Trailer Base Parts

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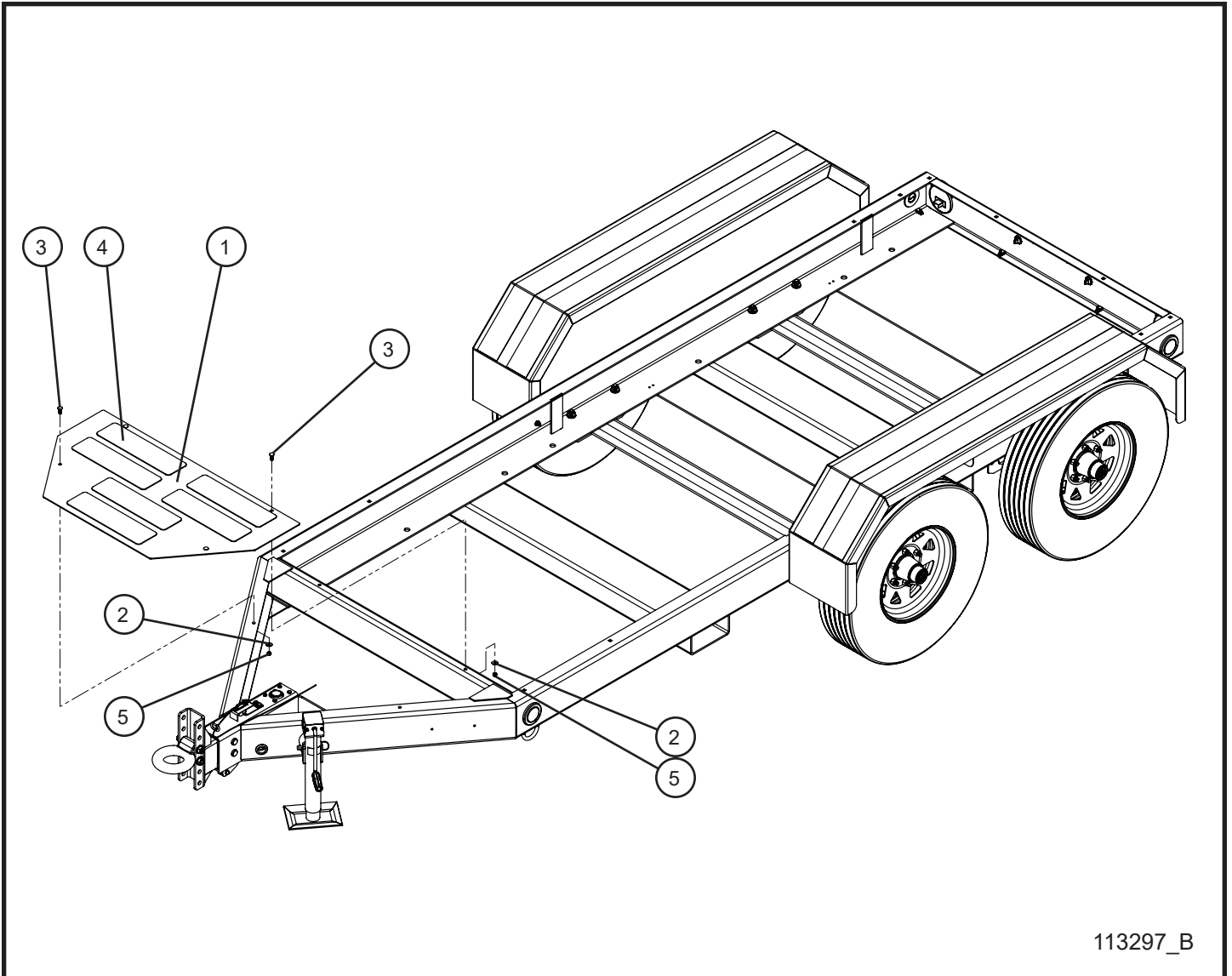
1.2 - Trailer Base Parts

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	110538	52350 41920	COVER	1
2	112088	52100 54120	LEFT SIDE FRONT COVER MP 150	1
3	112090	52100 54220	RIGHT SIDE FRONT COVER MP 150	1
4	112092	52830 38400	FRONT LOWER COVER MP 150	1
5	112094	52830 38500	FRONT UPPER COVER MP 150	1
6	112096	52300 95910	TOP FRONTAL COVER MP 150	1
7	110472	52350 89010	TOP FRONT COVER	1
8	112098	52300 95810	TOP MID-FRONTAL COVER MP 150	1
9	112100	52100 54021	LEFT SIDE REAR COVER MP 150	1
10	112102	52100 53921	RIGHT SIDE REAR COVER MP 150	1
11	112104	52300 96110	TOP MID-REAR COVER MP 150	1
12	112105	52300 97210	TOP REAR COVER	1
13	112107	52100 54320	REAR UPPER COVER MP 150	1
14	n/a	52230 43300	REAR LOWER COVER MP 150	1
15	112109	52450 89221	REAR LEFT DOOR	1
16	112110	52416 24400	WINDOW GLASS	1
17	112112	52450 89520	LEFT SIDE FRONT DOOR MP 150	1
18	112114	52450 89420	LEFT SIDE REAR DOOR MP 150	1
19	110499	52710 03601	LATCH ASSEMBLY	5
20	112116	52450 89320	RIGHT SIDE FRONT DOOR MP 150	1
21	112118	52450 89120	RIGHT SIDE REAR DOOR MP 150	1
22	110681	52230 44800	EMERGENCY STOP COVER	1
23	112119	52450 37530	REAR RIGHT DOOR	1

1.3 - Step Plate

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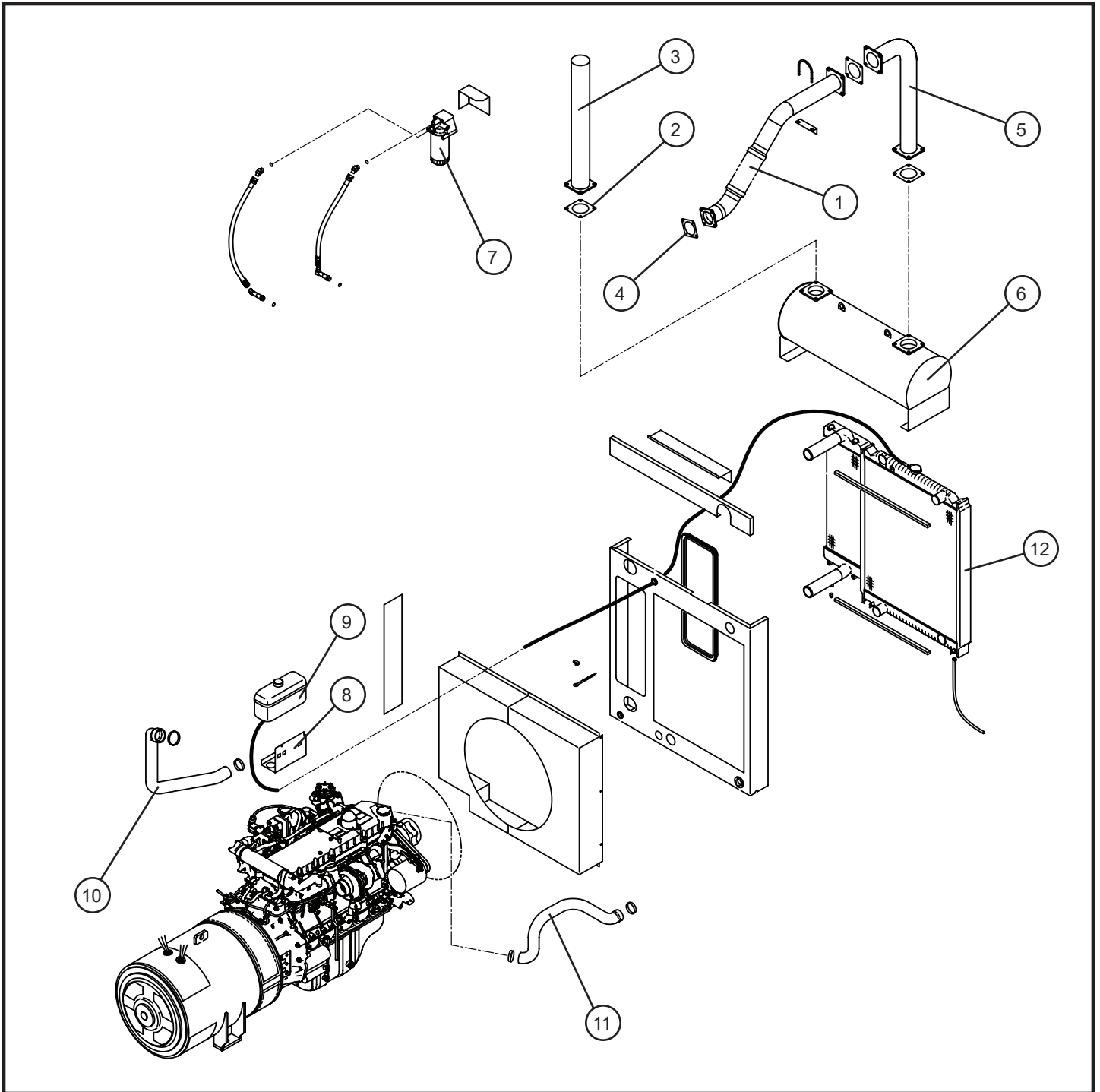
1.3 - Step Plate

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	113258P	n/a	STEP PLATE MAXI-POWER 125-150	1
2	047010	n/a	5/16 FLAT WASHER	4
3	053020	n/a	5/16-18 x 1 CARRIAGE BOLT	4
4	062006	n/a	DIE CUT ANTI SKID TAPE	6
5	044033	n/a	5/16-18 NYLOCK HEX NUT	4

2.1 - Engine Cooling and Exhaust Group

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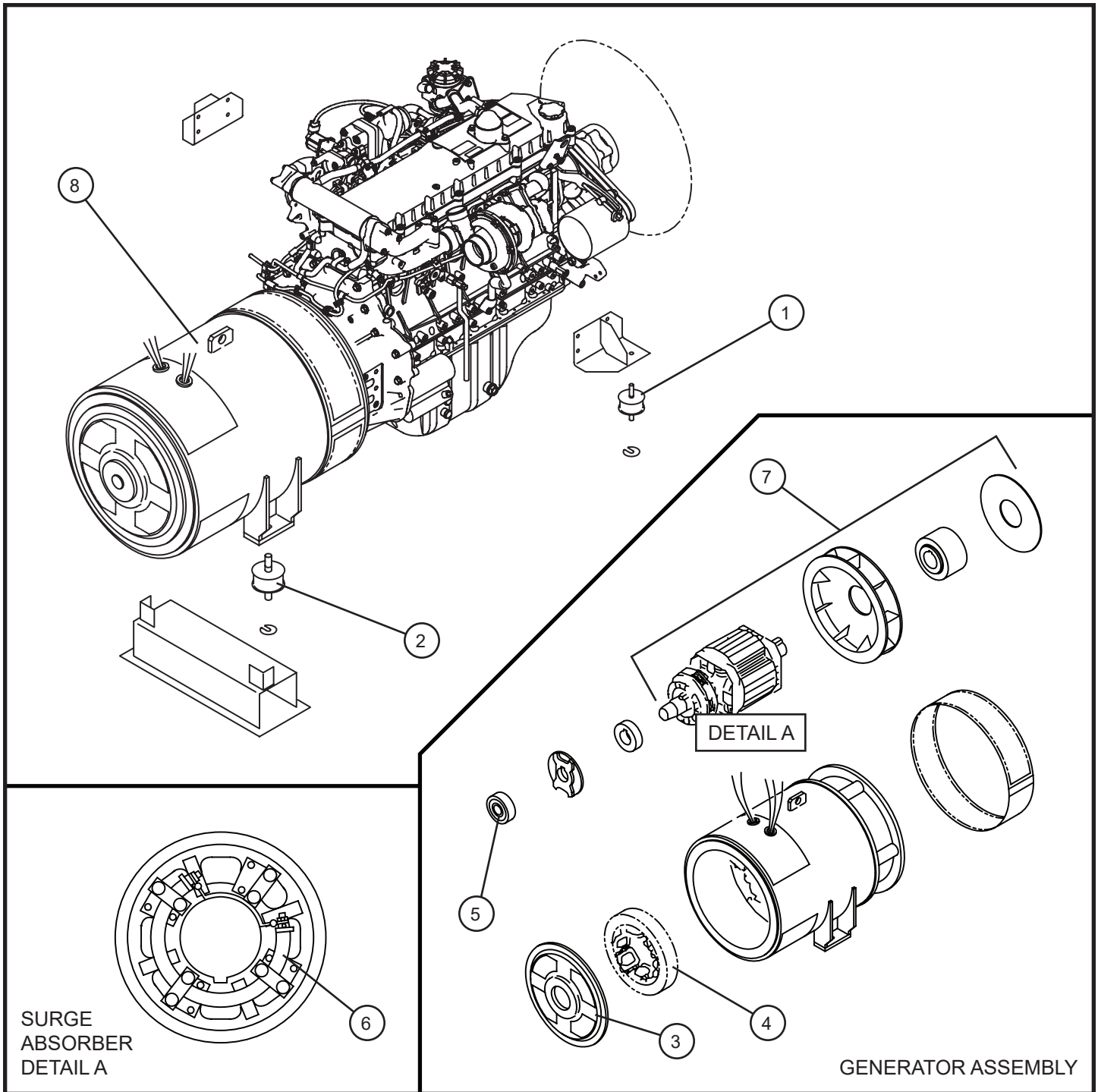
2.1 - Engine Cooling and Exhaust Group

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	110990	42310 06110	PIPE, EXHAUST	1
2	110989	42323 04500	GASKET	1
3	110987	42310 92200	PIPE, EXHAUST	1
	110988	42310 90000	PIPE, EXHAUST	1
4	110983	42324 14300	GASKET	1
	110984	42324 14100	GASKET	1
5	110982	42310 92100	PIPE, EXHAUST	1
6	110981	42100 78200	EXHAUST MUFFLER	1
7	110979	41290 00800	FILTER ASS'Y, ENG. OIL	1
8	110978	38860 28600	BRACKET	1
9	110977	38590 00300	RESERVE TANK ASS'Y	1
10	110975	38524 67500	HOSE	1
	110976	38524 66501	HOSE	1
11	110973	38524 67400	HOSE	1
	110974	38524 66400	HOSE	1
12	110971	38100 42900	RADIATOR	1
	110970	38100 41100	RADIATOR	1

2.2 - Generator and Engine Mounting Group

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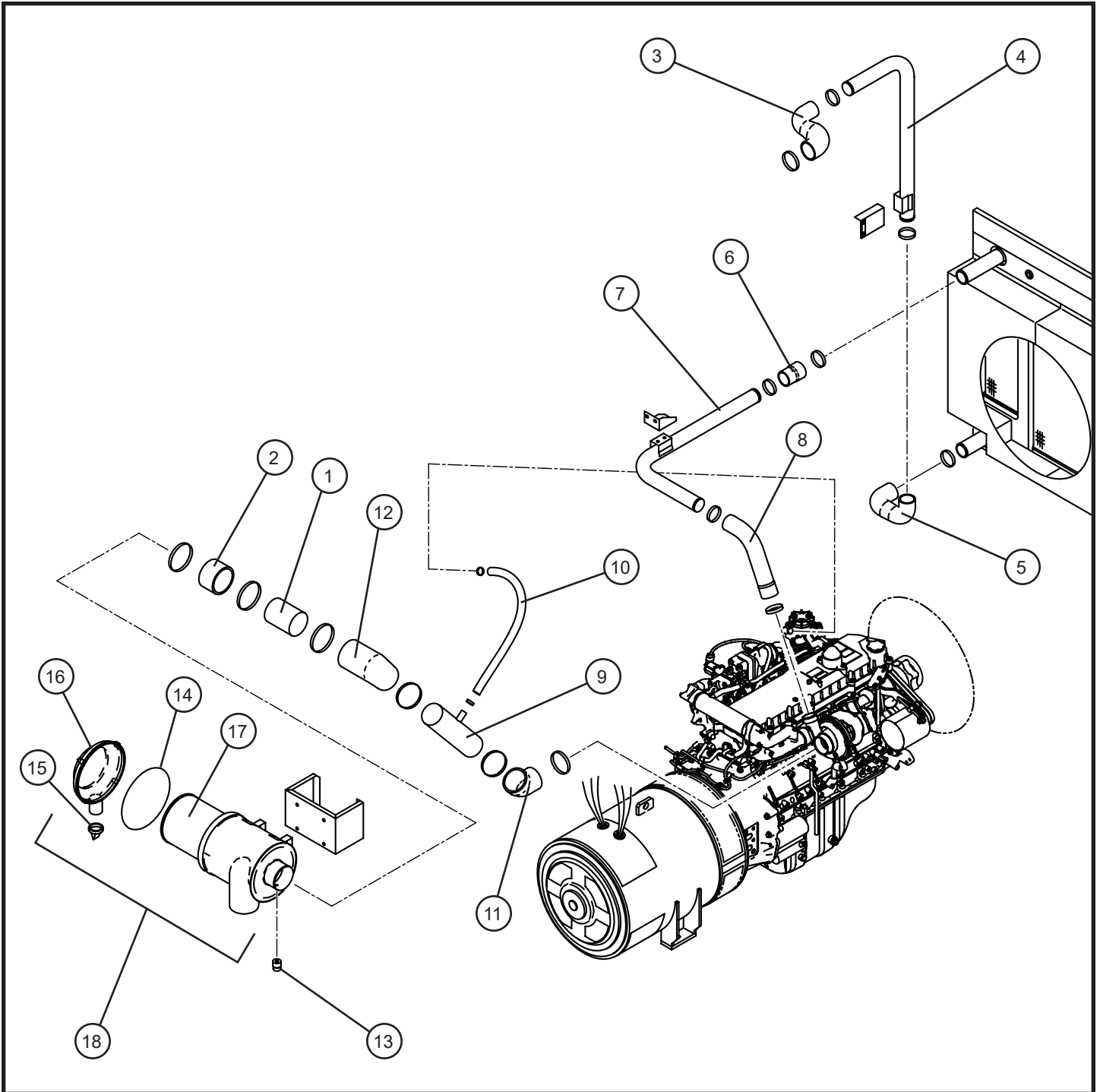
2.2 - Generator and Engine Mounting Group

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	111007	31130 09600	VIBRATION ISOLATOR ASSEMBLY	2
2	111006	31130 09200	VIBRATION ISOLATOR ASSEMBLY	2
	111005	31130 09100	VIBRATION ISOLATOR ASSEMBLY	2
3	111004	25310 09100	CASING	1
4	111001	25700 08001	EX. STATOR ASSEMBLY	1
	111002	25700 07901	EX. STATOR ASSEMBLY	1
	111003	25700 06601	EX. STATOR ASSEMBLY	1
5	111000	21472 09700	BEARING (6314XZZ)	1
	110999	21472 00100	BEARING (6311ZZCM)	1
6	110997	25650 02100	SURGE ABSORBER	1
	110998	25650 01601	SURGE ABSORBER	1
7	110994	25100 09501	A.C.G. ROTOR ASSEMBLY	1
	110995	25100 09401	A.C.G. ROTOR ASSEMBLY	1
	110996	25100 08001	A.C.G. ROTOR ASSEMBLY	1
8	110992	20003 61500	GENERATOR	1
	110991	20003 61400	GENERATOR	1
	110993	20003 59201	GENERATOR	1

2.3 - Engine Air Intake Group

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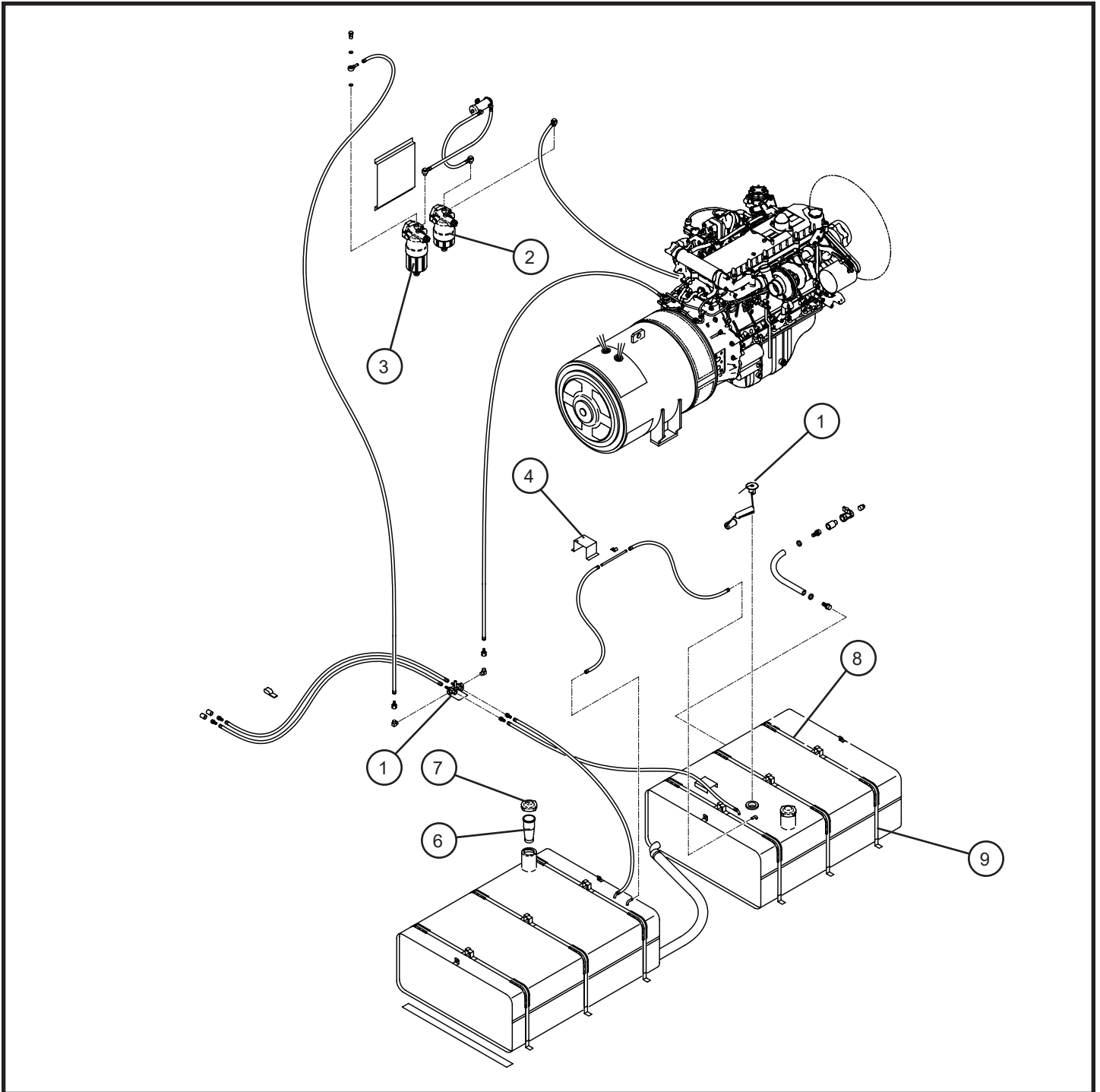
2.3 - Engine Air Intake Group

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	110972	32320 68100	PIPE	1
2	111037	32331 73900	HOSE	1
3	111035	32331 72501	HOSE	1
	111036	32331 70901	HOSE	1
4	111033	32320 67500	PIPE	1
	111034	32320 66900	PIPE	1
5	111032	32331 72701	HOSE	1
	111031	32331 72400	HOSE	1
6	111030	32332 08102	HOSE	1
7	111028	32320 67400	PIPE	1
	111029	32320 66800	PIPE	1
8	111026	32331 72301	HOSE	1
	111027	32331 70701	HOSE	1
9	111024	32320 67600	PIPE, INTAKE	1
	111025	32320 67300	PIPE, INTAKE	1
10	111022	03591 25120	HOSE	1
	111023	03591 25110	HOSE	1
11	111021	32331 72601	HOSE	1
	111020	32331 72201	HOSE	1
12	111018	32331 72101	HOSE	1
	111019	32331 60500	HOSE	1
13	111017	32148 03000	FILTER, SERVICE INDICATOR	1
14	111015	32147 03400	O-RING	1
	111016	32147 03100	O-RING	1
15	111014	32151 01600	VACUATOR VALVE	1
16	111012	32142 11200	CUP	1
	111013	32142 10700	CUP	1
17	111010	32143 16200	ELEMENT	1
	111011	32143 12500	ELEMENT	1
18	111008	32100 43900	AIR FILTER ASSEMBLY	1
	111009	32100 42000	AIR FILTER ASSEMBLY	1

2.4 - Fuel Tank and Filters Group

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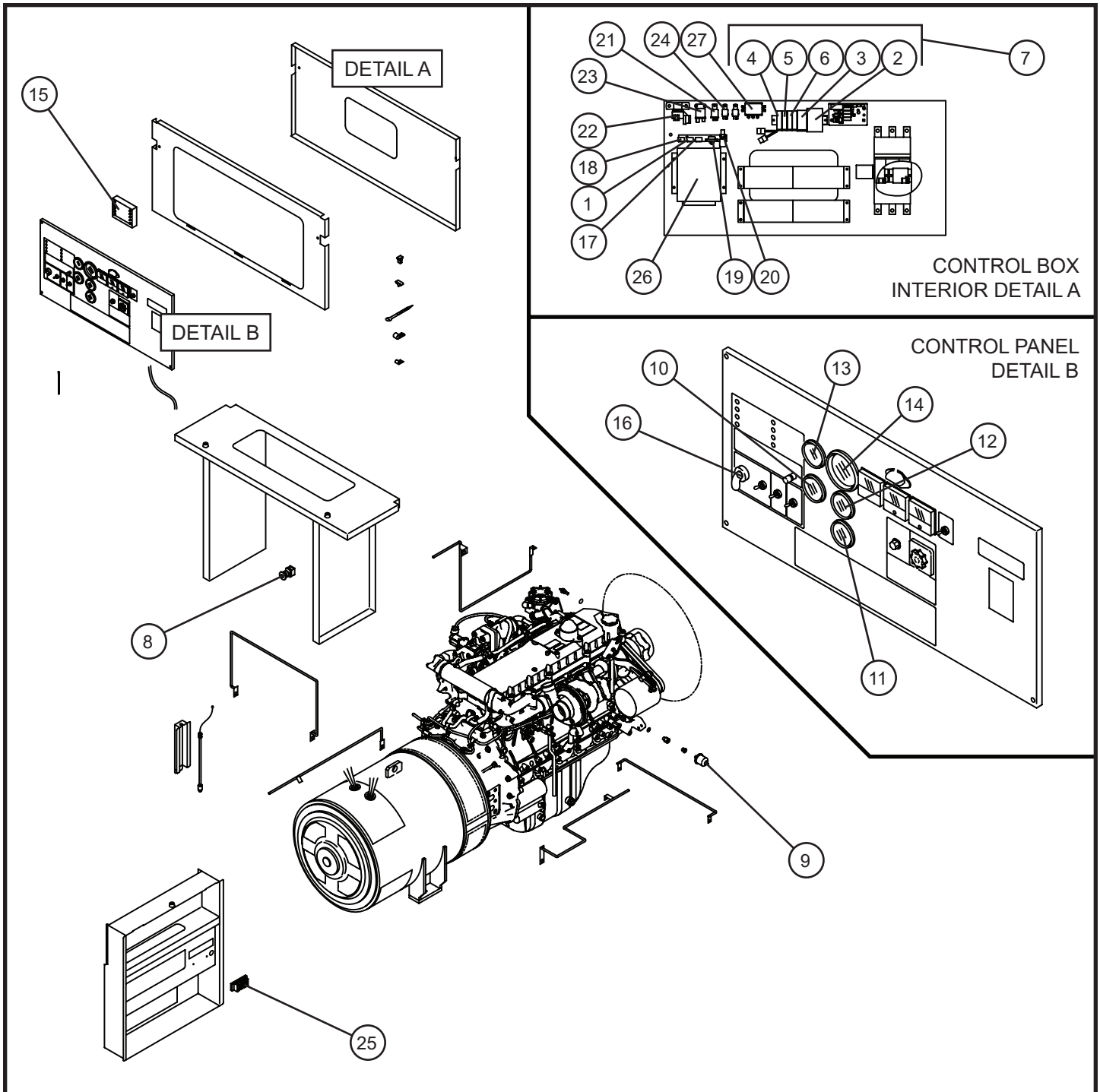
2.4 - Fuel Tank and Filters Group

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	110968	35483 10101	STOP VALVE	1
2	110964	43540 07700	FILTER ASSEMBLY	1
	110965	43543 01000	FILTER	1
3	110962	43540 07600	FILTER ASSEMBLY	1
4	110961	43570 07900	BRACKET	1
5	110960	36159 00600	SENDING UNIT	1
6	110959	43210 01301	STRAINER	1
7	110958	43220 01300	CAP, FUEL TANK	1
8	110957	43310 27100	BELT	6
9	110956	43310 27000	BELT	6

3.1 - Engine Electrical Group

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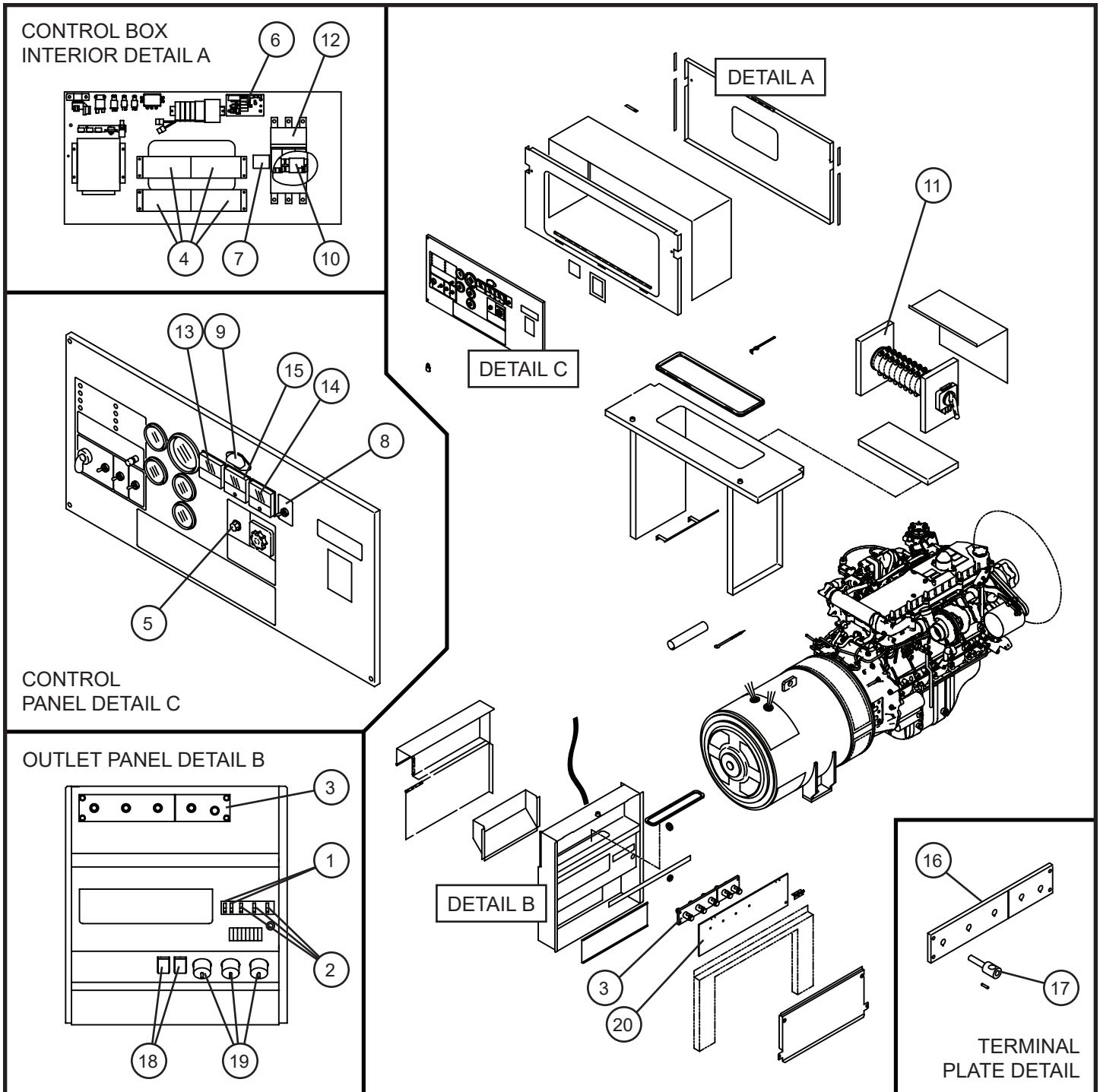
3.1 - Engine Electrical Group

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	110660	44470 01700	FUSE BOX	1
	110715	44470 01600	FUSE BOX	1
2	110953	46879 45800	CONTROLLER COMPLETE	1
3	110952	46872 01300	DC POWER SUPPLY	1
4	110951	46177 08500	RELAY (AC220V)	1
5	110950	46177 08700	RELAY (DC24V)	1
	110949	46177 08400	RELAY (DC12V)	1
6	110948	46177 08600	RELAY (DC24V)	1
	110947	46177 08300	RELAY (DC12V)	1
7	110945	46760 46210	CONTROL PANEL	1
	110946	46760 43810	CONTROL PANEL	1
8	110944	44336 03001	BUTTON SWITCH	1
9	110943	44365 00300	OIL PRESSURE SENDER	1
10	110942	46154 15300	AMMETER (12V)	1
11	110941	36145 06700	THERMOMETER, WATER (24V)	1
	110940	36145 06500	THERMOMETER, WATER (12V)	1
12	110939	36143 03800	GAUGE, OIL PRESSURE (24V)	1
	110938	36143 03600	GAUGE, OIL PRESSURE (12V)	1
13	110937	36158 00601	GAUGE, FUEL (24V)	1
	110936	36158 00500	GAUGE, FUEL (12V)	1
14	110935	36146 06200	TACHOMETER (24V)	1
	110934	36146 05901	TACHOMETER (12V)	1
15	110932	46870 47901	CONTROLLER (EMERGENCYLAMP)	1
	110933	46870 47401	CONTROLLER (EMERGENCYLAMP)	1
16	110931	44322 02800	STARTER SWITCH	1
17	110658	44470 01900	FUSE BOX	1
18	110715	44470 01600	FUSE BOX	1
19	110928	44328 21500	PRESSURE SWITCH	1
20	110927	44364 06600	THERMO SENSOR	1
21	110926	44346 07500	RELAY(FUEL PUMP)	1
22	110923	44346 15900	RELAY(STARTER)	1
	110924	44346 15600	RELAY(STARTER)	1
23	110921	44346 15700	RELAY(GLOW)	1
	110922	44346 15500	RELAY(GLOW)	1
24	110697	44324 08500	RELAY(STARTER CUT)	1
25	110656	44311 65600	TERMINAL PLATE	1
26	110915	44390 02400	CONTROLLER	1
	110916	44390 02300	CONTROLLER	1
27	110913	44346 13200	RELAY(CHARGE)	1
	110914	44335 01100	MAGNETIC SWITCH	1

3.2 - Generator Electrical Group

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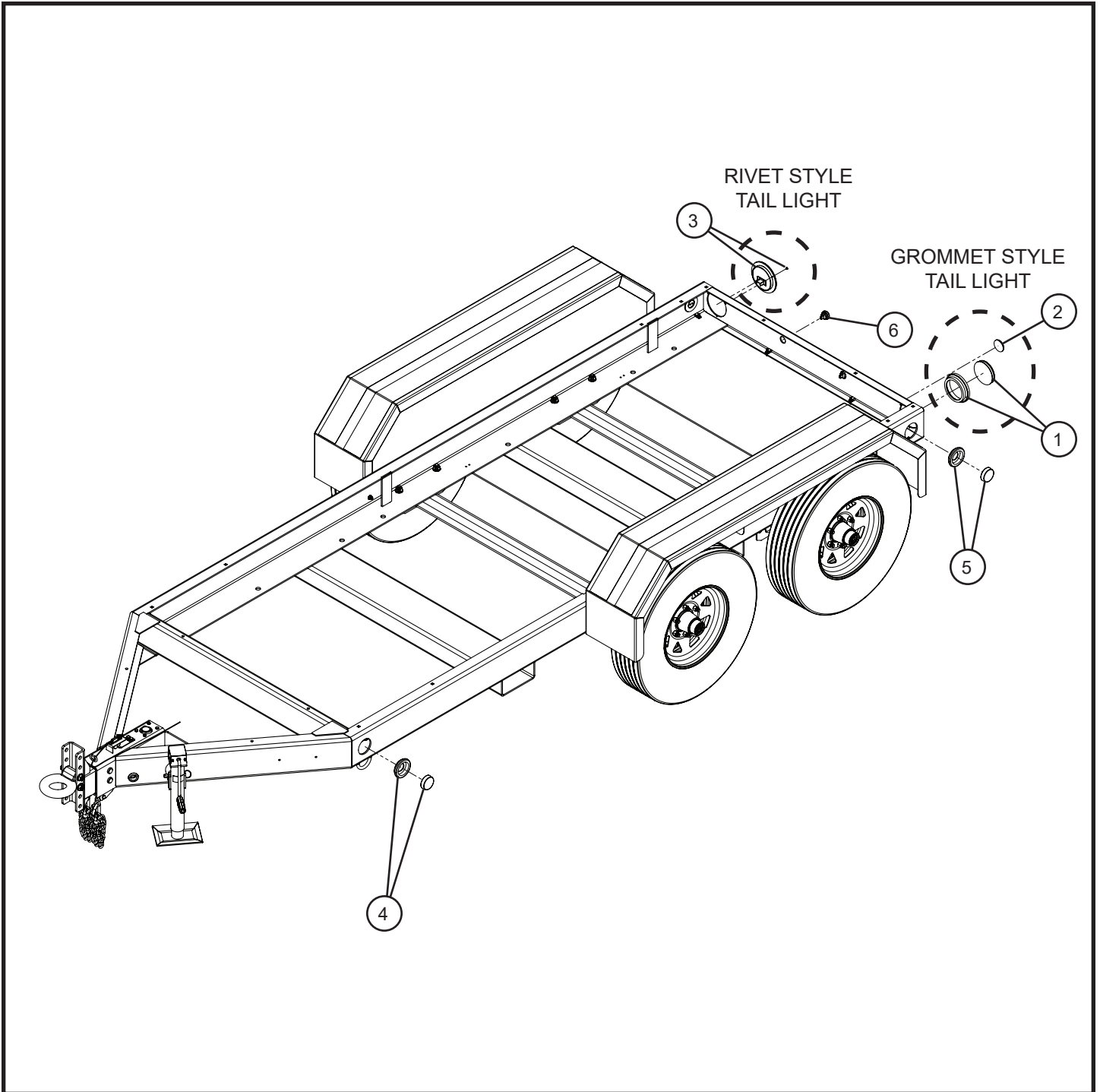
3.2 - Generator Electrical Group

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	110912	46120 34100	CIRCUIT BREAKER	2
	110911	46120 26800	CIRCUIT BREAKER	2
2	110910	46120 34000	CIRCUIT BREAKER	3
	110909	46120 26900	CIRCUIT BREAKER	3
3	110908	44311 56101	TERMINAL PLATE	1
4	110907	44311 58900	TERMINAL PLATE	4
	110906	44311 07600	TERMINAL PLATE	4
5	110454	46918 01401	CONTROLLER	1
6	110679	46950 02600	A.V.R ASSEMBLY	1
7	110903	46928 01500	THERMAL RELAY	1
8	110902	46167 02400	SELECT SWITCH	1
9	110448	46929 01200	ILLUMINATOR	1
	110901	46929 00600	ILLUMINATOR	1
10	110898	46923 04600	CURRENT TRANSFORMER	1
	110899	46923 04100	CURRENT TRANSFORMER	1
11	110896	46917 03200	CHANGE DEVICE, VOLTAGE	1
	110897	46917 03100	CHANGE DEVICE, VOLTAGE	1
12	110893	46120 31300	CIRCUIT BREAKER	1
	110894	46120 31200	CIRCUIT BREAKER	1
	110895	46120 30900	CIRCUIT BREAKER	1
13	110892	46911 01200	FREQUENCY METER	1
14	110890	46154 13700	AMMETER (AC)	1
	110891	46154 12500	AMMETER (AC)	1
15	110889	46153 03100	VOLTMETER (AC)	1
16	n/a	46305 09100	PLATE	1
17	n/a	46312 05100	BOLT	5
	112075	35208 04500	BOLT	5
	112076	02912 03014	NUT	5
18	110469	44312 02900	SOCKET	2
19	110468	44312 02800	SOCKET	3
20	n/a	52416 27202	WINDOW GLASS	1
	112086	52416 26900	WINDOW GLASS	1
NS	110515	02201 08020	FLANGE BOLT	16

3.3 - Tail Lights and Tail Light Harness

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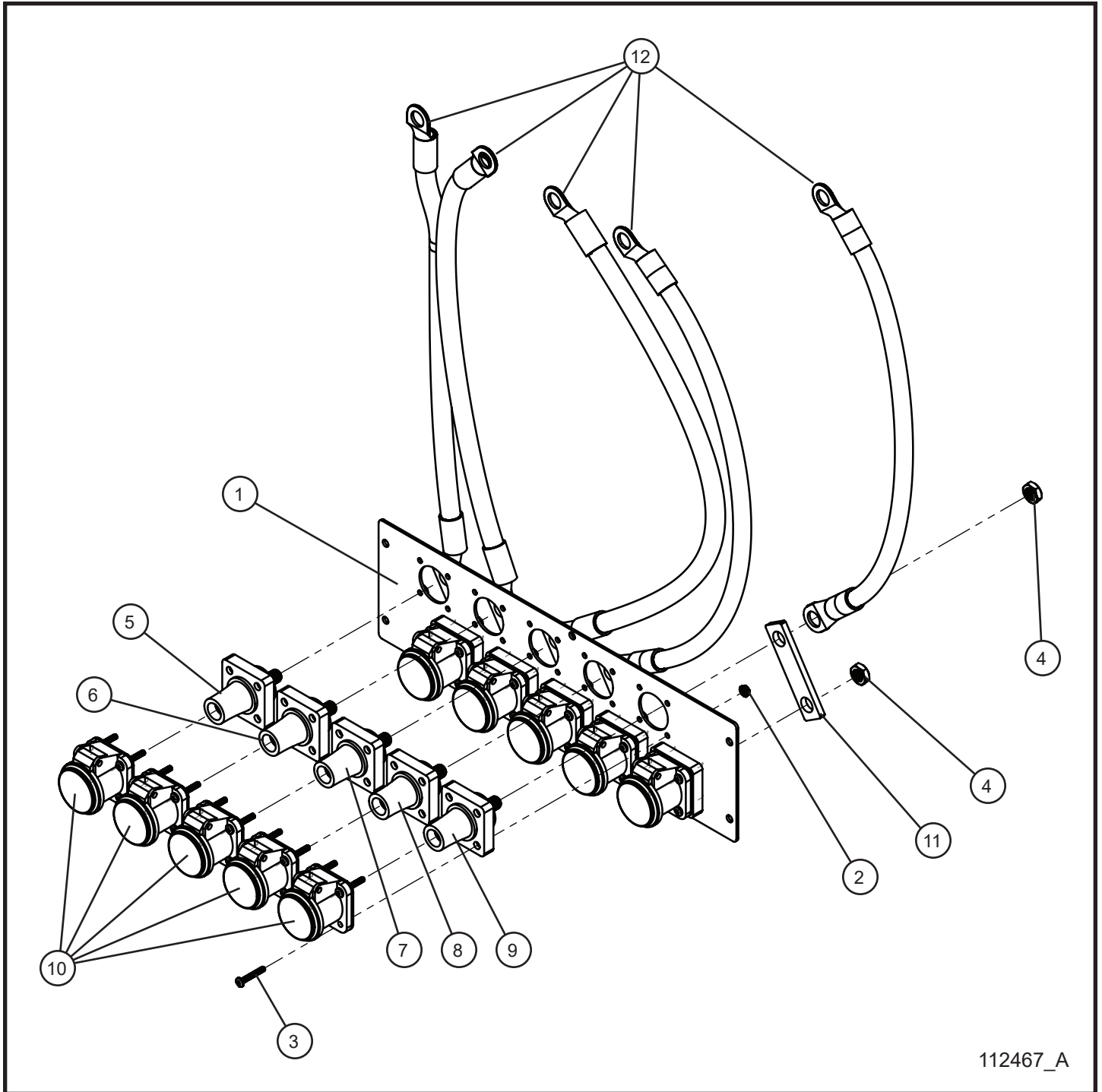
3.3 - Tail Lights and Tail Light Harness

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	113438	n/a	4" TAIL LIGHT W/ GROMMET	2
2	113439	n/a	TAIL LIGHT REFLECTOR (ONLY USED W/ GROMMET TAIL LIGHTS)	2
3	113440	n/a	4" FLANGE MOUNT TAIL LIGHT W/ RIVETS	2
4	113441	n/a	2.5" AMBER SIDE MARKER/REFLECTOR W/ GROMMET	2
5	113442	n/a	2.5" RED SIDE MARKER/REFLECTOR W/ GROMMET	2
6	113443	n/a	1.25" LICENSE PLATE LED LIGHT	2
NS	113454	n/a	TAIL LIGHT WIRE HARNESS MP 125/150	1

3.4 - Maxi-Power 150 Cam Lock Group (1 of 2)

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3.4 - Maxi-Power 150 Cam Lock Group (1 of 2)

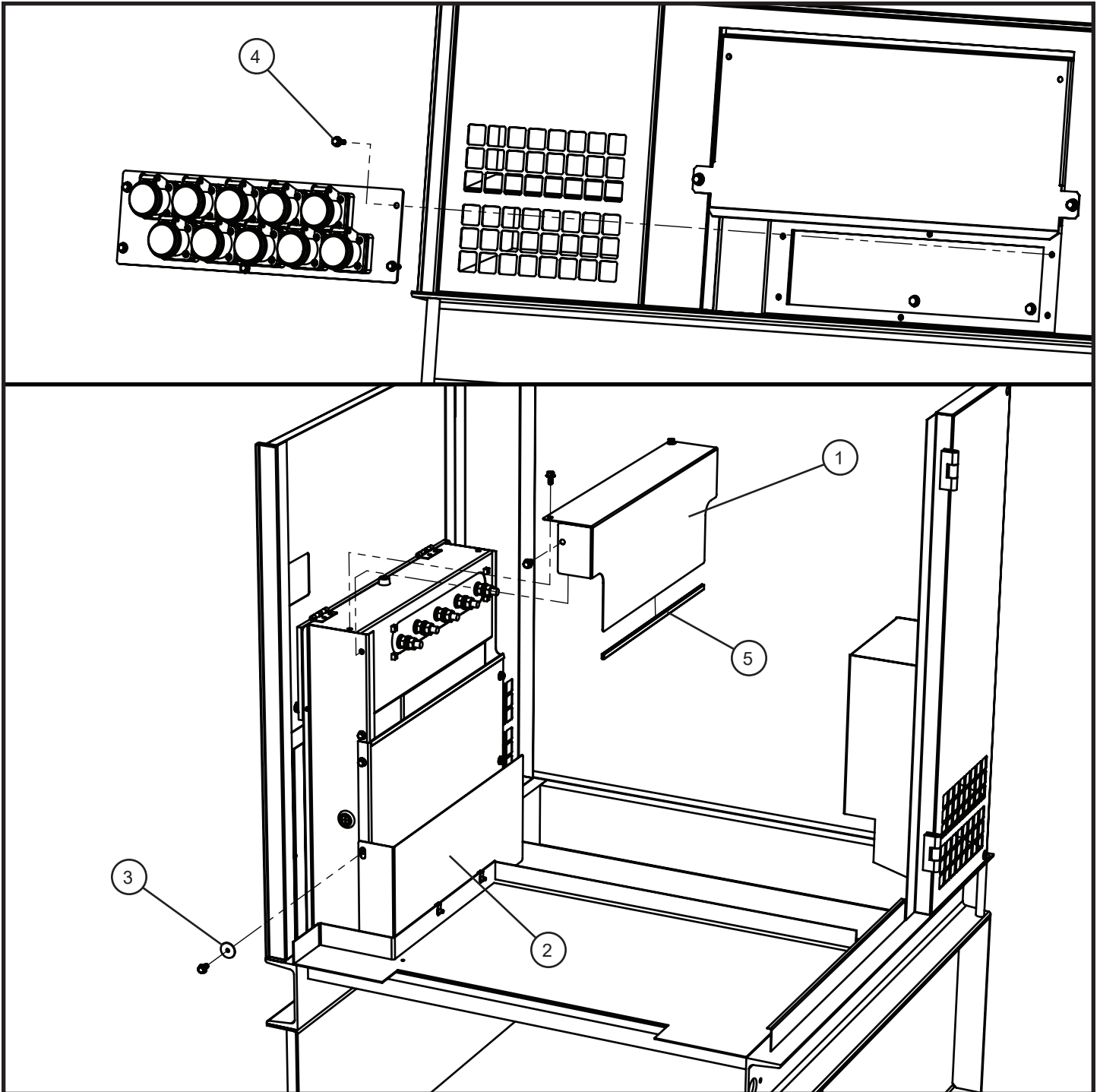
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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	112468P	n/a	DUAL CAM LOCK MOUNT PLATE	1
2	044016	n/a	#10-24 KEPS HEX NUT	40
3	041035	n/a	#10-24 x 1-1/4 PHILLIPS MACHINE SCREW	40
4	100643	n/a	1/2-13 NYLOCK JAM NUT	10
5	113242	n/a	CAM LOCK BLACK FEMALE 90° 600V 400A	2
6	113243	n/a	CAM LOCK RED FEMALE 90° 600V 400A	2
7	113244	n/a	CAM LOCK BLUE FEMALE 90° 600V 400A	2
8	113245	n/a	CAM LOCK WHITE FEMALE 90° 600V 400A	2
9	113246	n/a	CAM LOCK GREEN FEMALE 90° 600V 400A	2
10	112424	n/a	CAM LOCK CLEAR COVER 90°	10
11	112479	n/a	CAM LOCK DUAL BUS BAR	5
12	112556	n/a	4/0 CABLE KIT CAM LOCK MAXI-POWER 150	1
NS	112421	n/a	DUAL CAM LOCK 4/0 CABLE SCHEMATIC	1

*NS - NOT SHOWN

3.4 - Maxi-Power 150 Cam Lock Group (2 of 2)

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3.4 - Maxi-Power 150 Cam Lock Group (2 of 2)

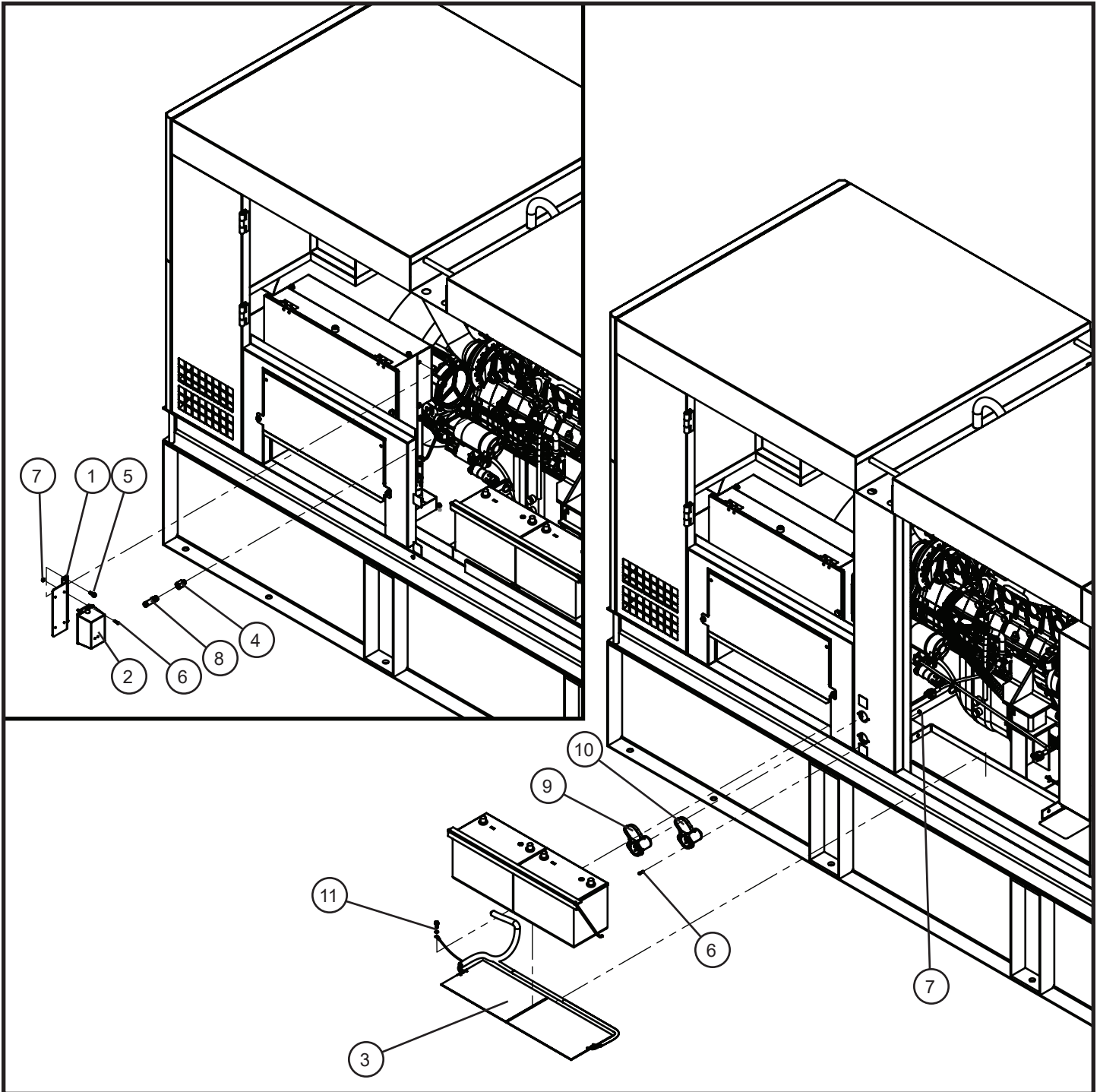
SN 27-000001 to 27-000099

Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	112518P	n/a	CAM LOCK UPPER SHIELD	1
2	112465P	n/a	CAM LOCK SHIELD MAXI-POWER 150	1
3	047007	n/a	1/4 x 1-1/4 x .056 FENDER WASHER	1
4	055001	n/a	M6-1.0 x 20 HEX HEAD FLANGE BOLT	6
5	030053	n/a	5/64 x 7/16 x 19.75 TRIM LOCK	1
NS	047009	n/a	1/4 FLAT WASHER	2
NS	046010	n/a	1/4-20 x 3/4 HEX HEAD BOLT	2
NS	044106	n/a	1/4-20 EXTRUDED U NUT	2

*NS - NOT SHOWN

3.5 - Maxi-Power 150 Arctic Package (1 of 2)

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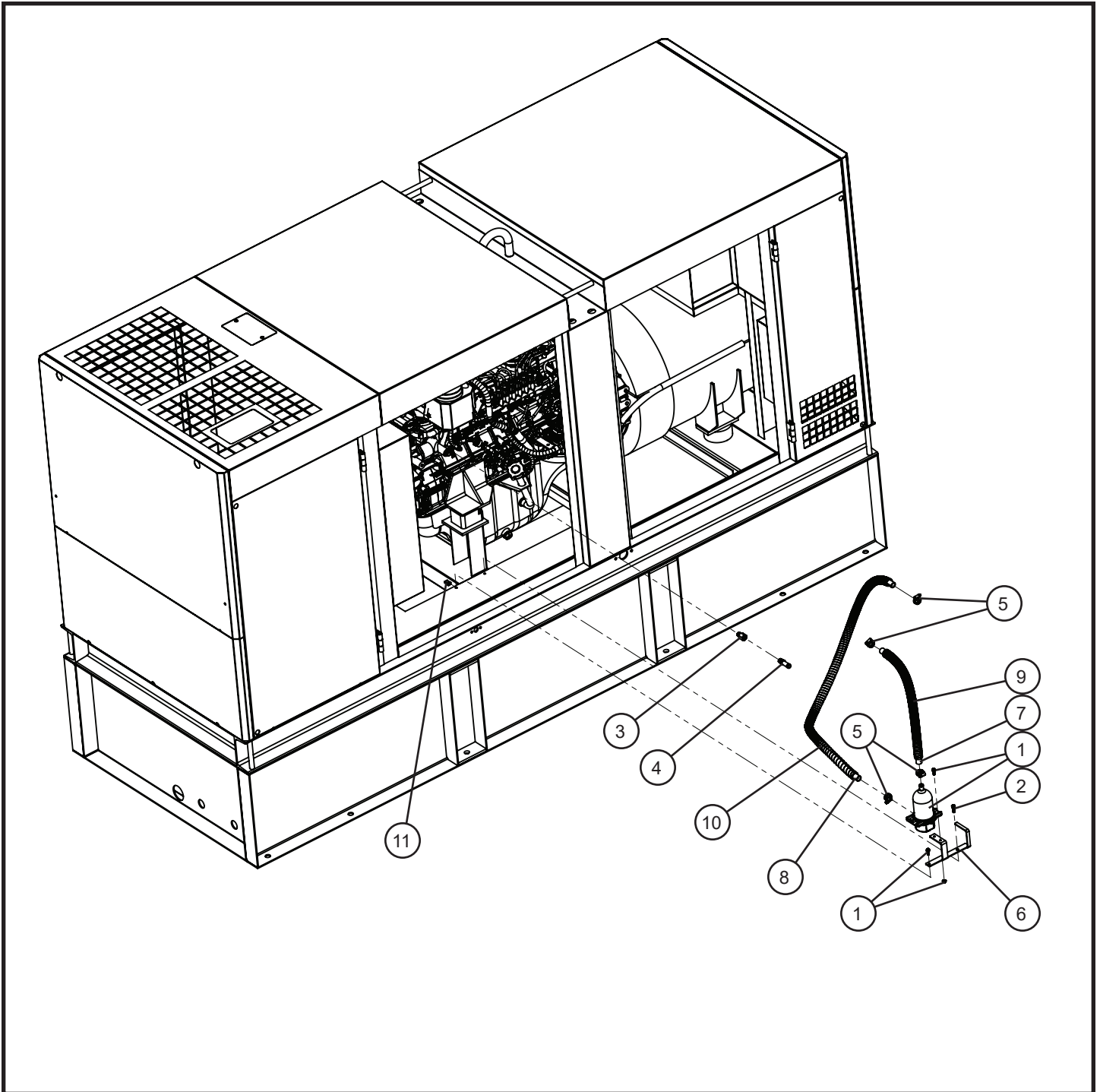
3.5 - Maxi-Power 150 Arctic Package (1 of 2)

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	112603P	n/a	BATTERY CHARGER MOUNT MAXI-POWER 150	1
2	112632	n/a	BATTERY CHARGER MAXI-POWER 150	1
3	112618	n/a	BATTERY HEATER MAXI-POWER 150	1
4	112540	n/a	FITTING ADAPTOR M14 x 1.5 BSPT TO 3/8" NPT	1
5	055001	n/a	M6-1.0 x 20 HEX HEAD FLANGE BOLT	2
6	041027	n/a	#10-24 x 3/4 PHILLIPS ROUND HEAD	8
7	044016	n/a	#10-24 KEPS HEX NUT	8
8	112652	n/a	FITTING HOSE BARB 3/8" NPT - 5/8" BARB	1
9	112619	n/a	RECESSED PLUG MAXI-POWER 25 & 150	1
10	112621	n/a	RECESSED PLUG MAXI-POWER 40, 45, & 150	1
11	044106	n/a	1/4-20 EXTRUDED U NUT	1
NS	112608	n/a	PLUG 3-PRONG MALE	1
NS	022202	n/a	LOOM FLEX GUARD 3/8 x 12.00	1
NS	022202	n/a	LOOM FLEX GUARD 3/8 x 22.00	1
NS	022202	n/a	LOOM FLEX GUARD 3/8 x 35.00	1
NS	022202	n/a	LOOM FLEX GUARD 3/8 x 46.00	2
NS	022207	n/a	LOOM FLEX GUARD 5/8 x 14.00	1
NS	068090	n/a	CABLE TIE 8"	18
NS	112638	n/a	ARCTIC PACKAGE SCHEMATIC	1

3.5 - Maxi-Power 150 Arctic Package (2 of 2)

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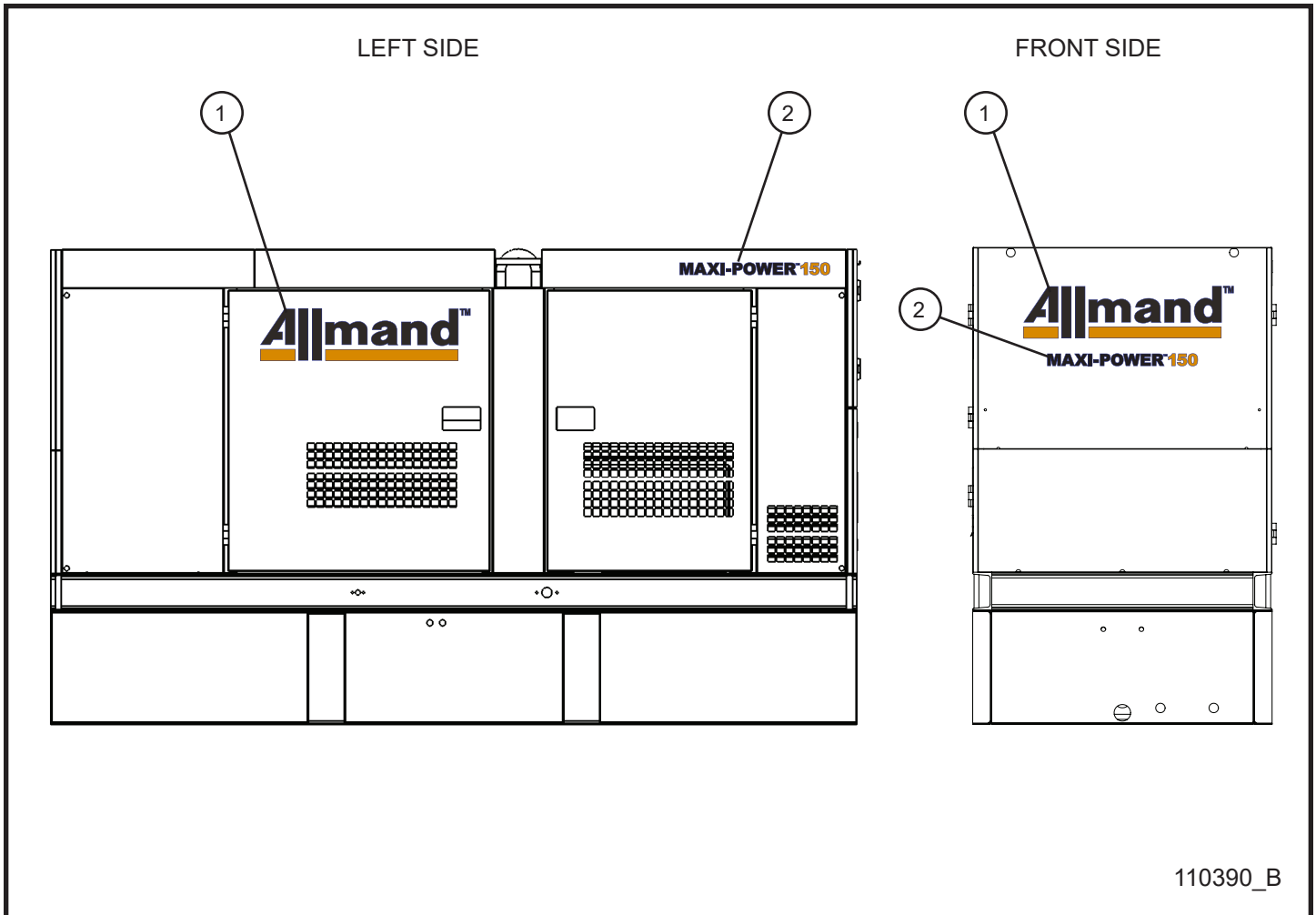
3.5 - Maxi-Power 150 Arctic Package (2 of 2)

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Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	112601	n/a	BLOCK HEATER MAXI-POWER 150	1
2	042031	n/a	M8 x 25mm x 1.25mm HEX HEAD BOLT	1
3	104798	n/a	FITTING ADAPTOR 3/8" BSPT TO 3/8" NPT	1
4	112652	n/a	FITTING HOSE BARB 3/8" NPT - 5/8" BARB	1
5	045033	n/a	#10 HOSE CLAMP WORM GEAR	4
6	112604P	n/a	BLOCK HEATER MOUNT MAXI-POWER 150	1
7	081025	n/a	5/8 HEATER HOSE x 22.00	1
8	081025	n/a	5/8 HEATER HOSE x 49.00	1
9	022211	n/a	1.0 LOOM GUARD x 20.00	1
10	022211	n/a	1.0 LOOM GUARD x 47.00	1
11	044106	n/a	1/4-20 EXTRUDED U NUT	1

4.1 - Left and Front Side Branding Decals

SN 27-000001 to 27-000099



Maxi-Power 150

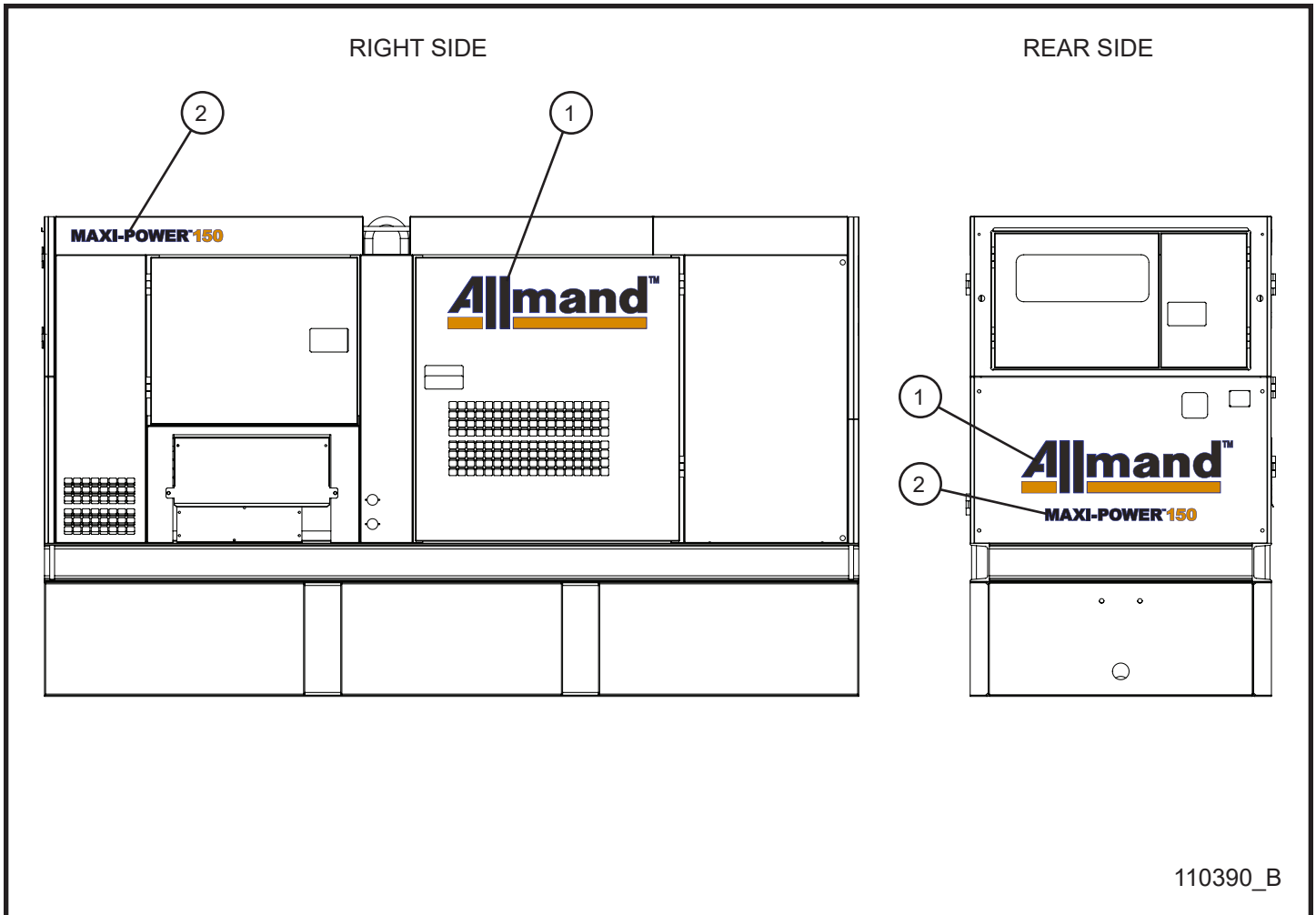
4.1 - Left and Front Side Branding Decals

SN 27-000001 to 27-000099

Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	110287	n/a	LARGE BLACK ALLMAND BRANDING DECAL	2
2	109017	n/a	MAXI-POWER 150 DECAL	2

4.2 - Right and Rear Side Branding Decals

SN 27-000001 to 27-000099



110390_B

Maxi-Power 150

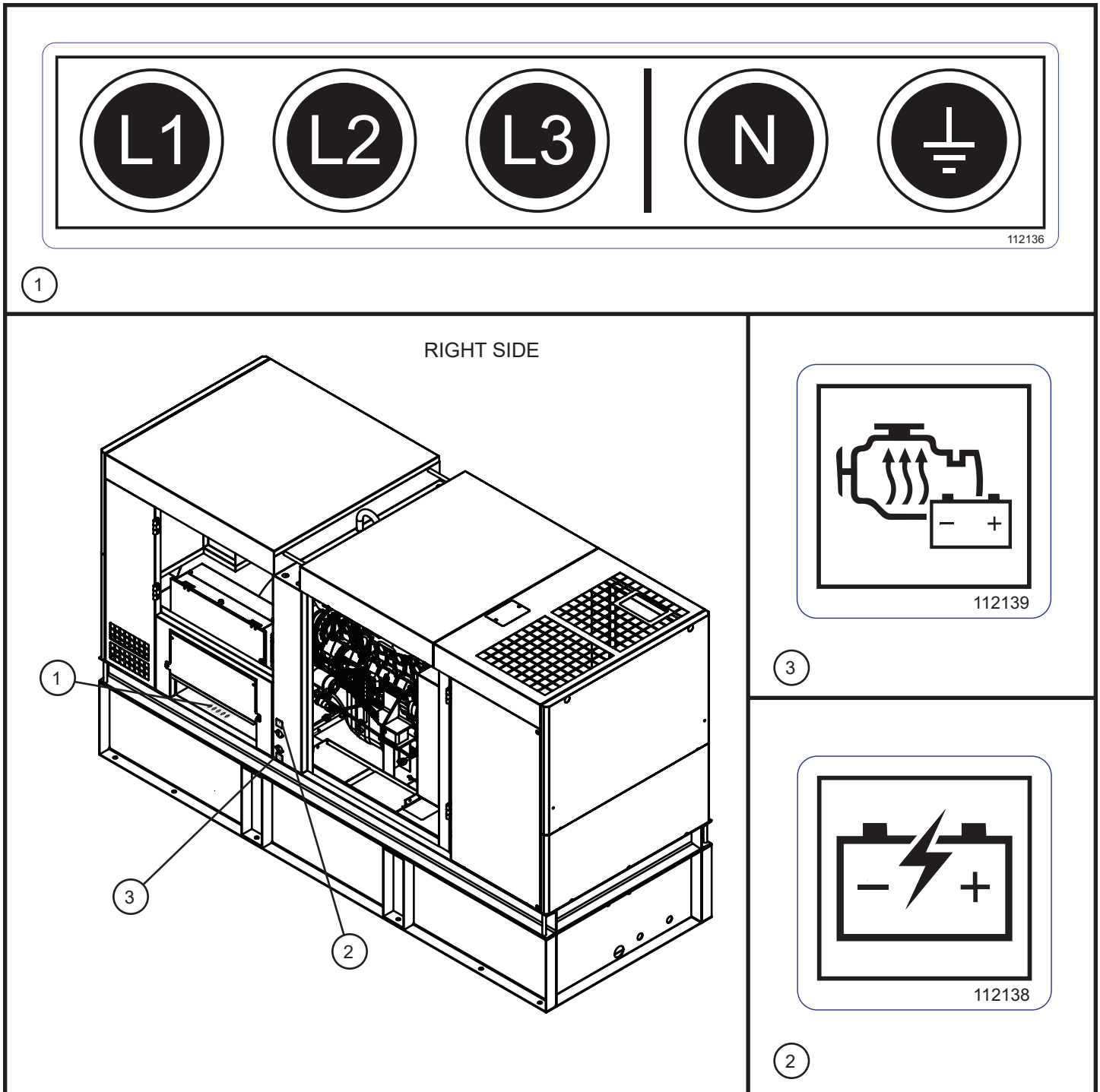
4.2 - Right and Rear Side Branding Decals

SN 27-000001 to 27-000099

Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	110287	n/a	LARGE BLACK ALLMAND BRANDING DECAL	2
2	109017	n/a	MAXI-POWER 150 DECAL	2

4.3 - Cam Lock and Arctic Package Decals

SN 27-000001 to 27-000099



Maxi-Power 150

4.3 - Cam Lock and Arctic Package Decals

SN 27-000001 to 27-000099

Item	Allmand No.	Hokuetsu No.	Part Description	Qty.
1	112136	n/a	CAM LOCK MAXI-POWER DECAL	1
2	112138	n/a	BATTERY CHARGER DECAL	1
3	112139	n/a	ENGINE AND BATTERY HEATER DECAL	1

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