

PARTS MANUAL



Doosan Infracore
Portable Power

LIGHTSOURCE (C13)
LIGHTSOURCE HA (C14)
LIGHTSOURCE B (D47)
LIGHTSOURCE C (D56)
LIGHTSOURCE (D92)
LIGHTSOURCE (D98)

LIGHT TOWER

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TABLE OF CONTENTS

Parts Book

TITLE	PAGE
Parts List	
General Arrangement	6
General Arrangement	7
Drawbar Assembly	8
Drawbar Assembly	9
Drawbar Assembly	10
Running Gear Assembly	11
Running Gear Assembly	12
Generator and Mounting - Serial Code: D47	13
Generator and Mounting - Serial Code: D47	14
Generator and Mounting - Serial Code: D56	15
Generator Internal Parts - Serial Code: D56	16
Engine Assembly	17
Engine Assembly	18
Engine Assembly	19
Engine Assembly	20
Radiator - Serial Code: D92	21
Fuel Tank and Piping	22
Fuel Tank and Piping	23
Battery and Mounting	24
Instrument / Control Panel Assembly	25
Ballast Box Assembly	26
Tower Brackets	27
Tower Brackets	28
Frame and Enclosure	29
Frame and Enclosure	30
Decal Location	31
Decal Location	32
Wiring Diagram - Prior to S/N: 403504	33
Wiring Diagram - Prior to S/N: 403504	34
Wiring Diagram - After S/N: 403504	35
Wiring Diagram - After S/N: 403504	36
Wiring Diagram - Serial Code D98	37
Lamp / Socket Assembly - Prior to S/N: 407952	38
Lamp / Socket Assembly - Prior to S/N: 407952	39
Lamp / Socket Assembly - From S/N: 407952 to 408213	40
Lamp / Socket Assembly - From S/N: 407952 to 408213	41
Lamp / Socket Assembly - After S/N: 408213	42
Lamp / Socket Assembly - After S/N: 408213	43
Lights and Mounting	44
Electric Winch Assembly	45
Electric Winch Assembly	46
Bottom Tower Assembly	47
Bottom Tower Assembly	48
Middle Tower Assembly	49
Top Tower Assembly	50
Cable Routing	51

Parts Book



Parts Ordering

GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. Always insist on genuine Ingersoll Rand branded parts for your unit.

Doosan Infracore Portable Power can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Portable Power service facilities and Ingersoll Rand parts are available worldwide. Consult local yellow pages or visit: www.doosanportablepower.com.

Special order parts may not be included in this manual. Contact the Portable Power Parts Department with the unit serial number for assistance with these special parts.

Description

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

In referring to the rear, the front or to either side of the unit, always consider the drawbar end of the unit as the front.

Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.

Fasteners

Both SAE/inch and ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners.

How To Order

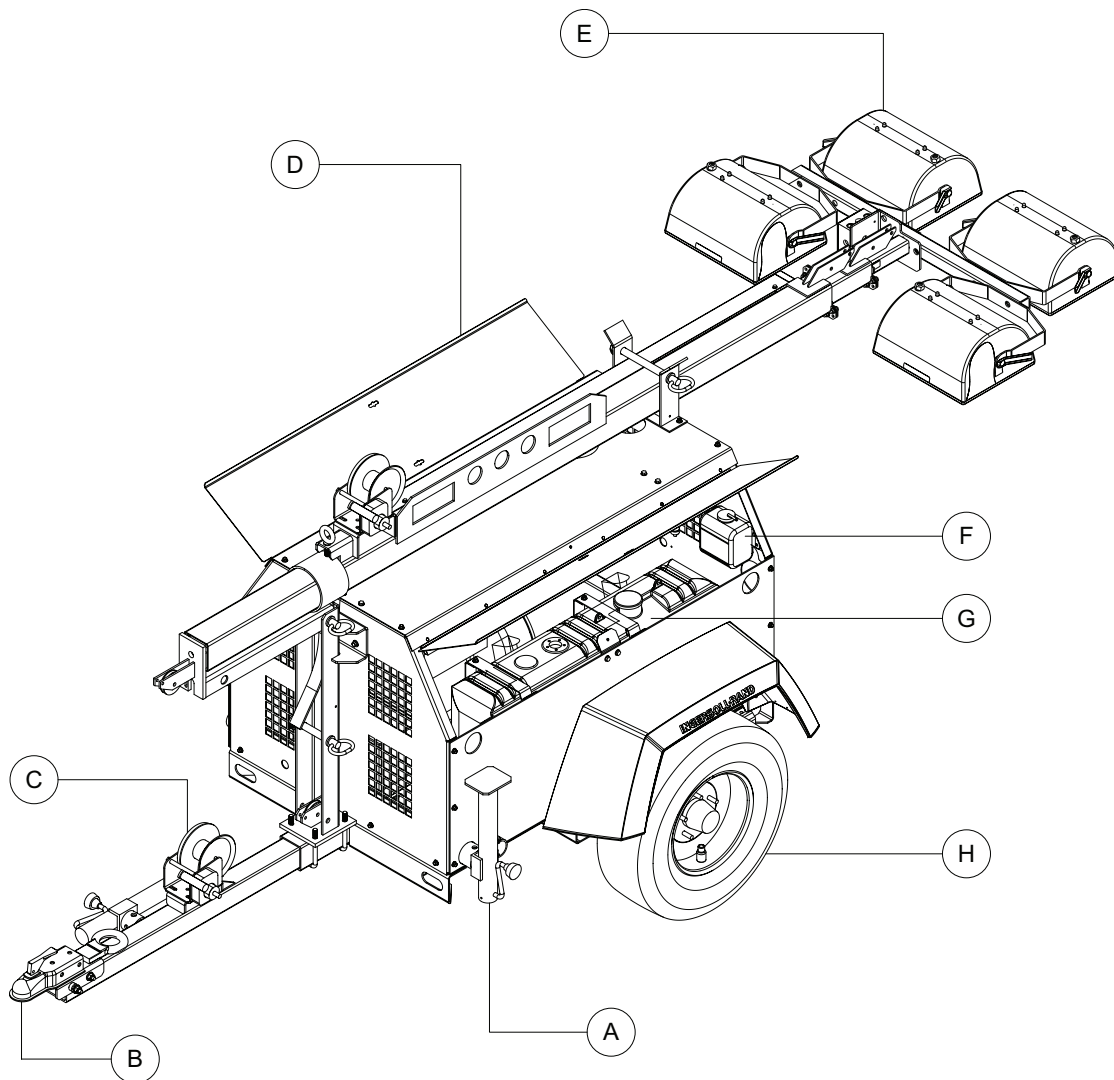
Always specify the model and serial number of the unit.

Specify the part number and description.



Parts List

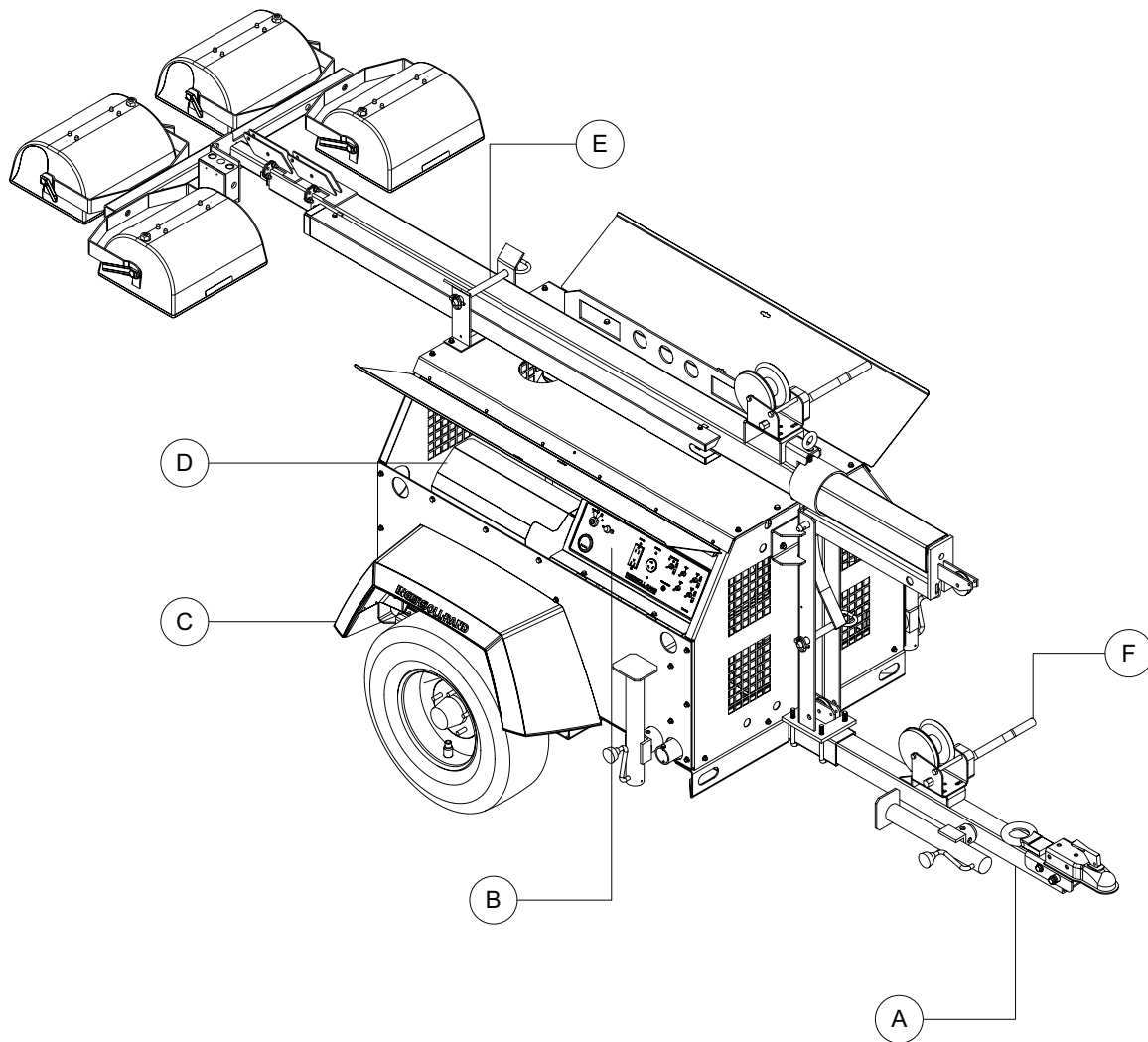
General Arrangement



22902458_006_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923407	Jack, Outrigger	2	2"
B	54518758	Coupler	1	
C	36923654	Winch	1	
D	36923183	Door	2	
E	22501217	Optical Assembly	4	Prior to S/N: 407952 Between S/N's: 407952 & 408213 After S/N: 408213
	23084932	Optical Assembly	4	
	46496907	Optical Assembly	4	
F	36884948	Bottle, Coolant	1	
G	36881100	Tank, Fuel	1	
H	36073542	Tire & Wheel Assembly	2	

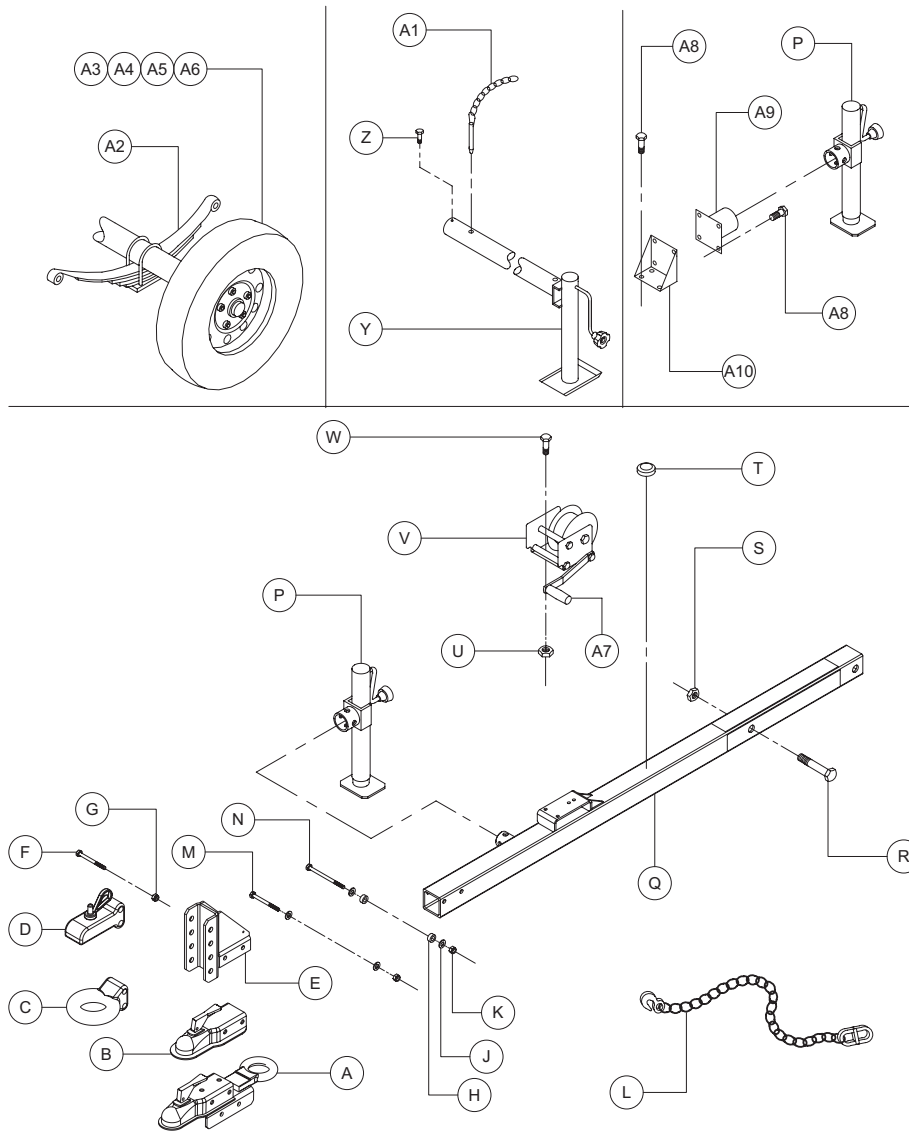
General Arrangement



22902458_007_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923266	Drawbar	1	9"
B	54462353	Decal, Panel	1	
C	36877579	Fender	1	
D	23137276	Shield, Heat	1	
E	36870020	Pin	1	
F	36923662	Handle, Winch	2	

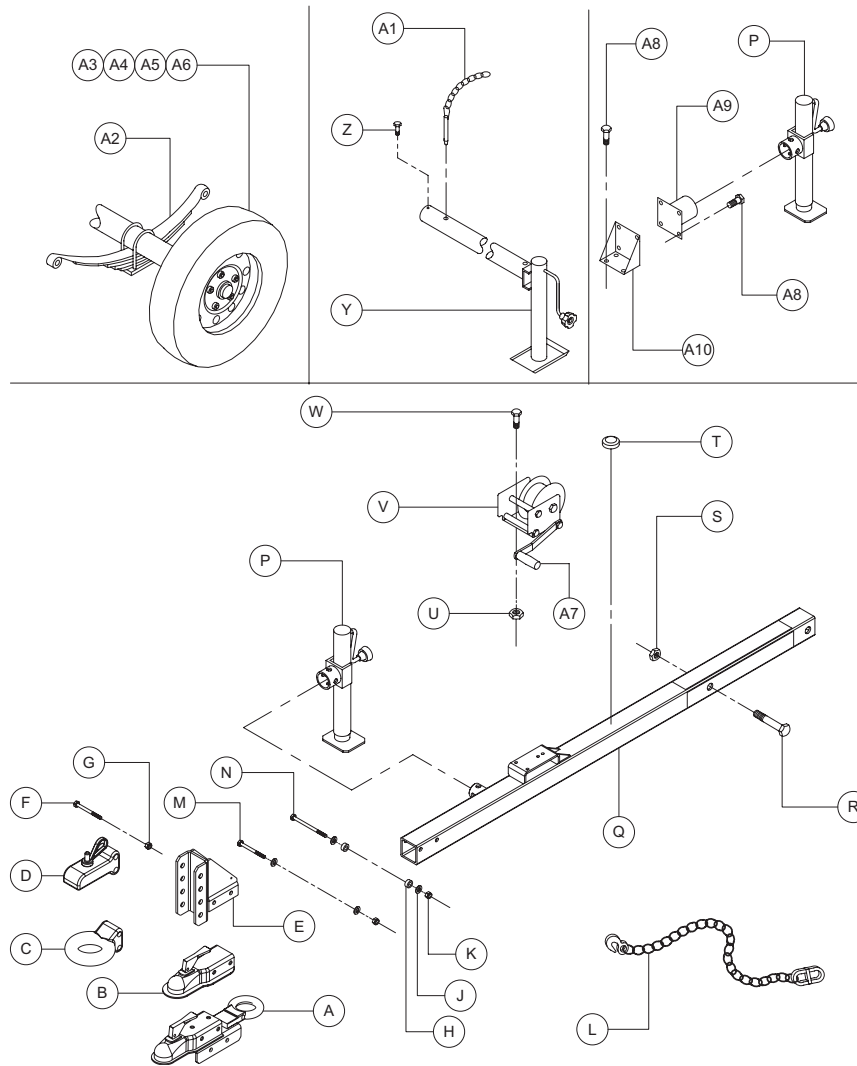
Drawbar Assembly



22902458_008_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54518758	Hitch, Dual, Standard	1	2" Ball, 2.5" Pintle
B	36923290	Coupler	1	2" Ball
C	35605187	Pintle, 3 Position	1	3" Pintle
D	36509073	Coupler, 3 Position	1	2" Ball
	35370469	Coupler, 3 Position	1	2 5/16" Ball
E	54399506	Bracket, Coupler 3 Position	1	
F	35376094	Screw	2	M16 - 2.0 X 120
G	96701750	Nut (2 per Screw)	4	M16 - 2.0
H	36923241	Spacer	2	
J	95935003	Washer	4	
K	35304047	Nut	2	M12 - 1.75
				Continued.....

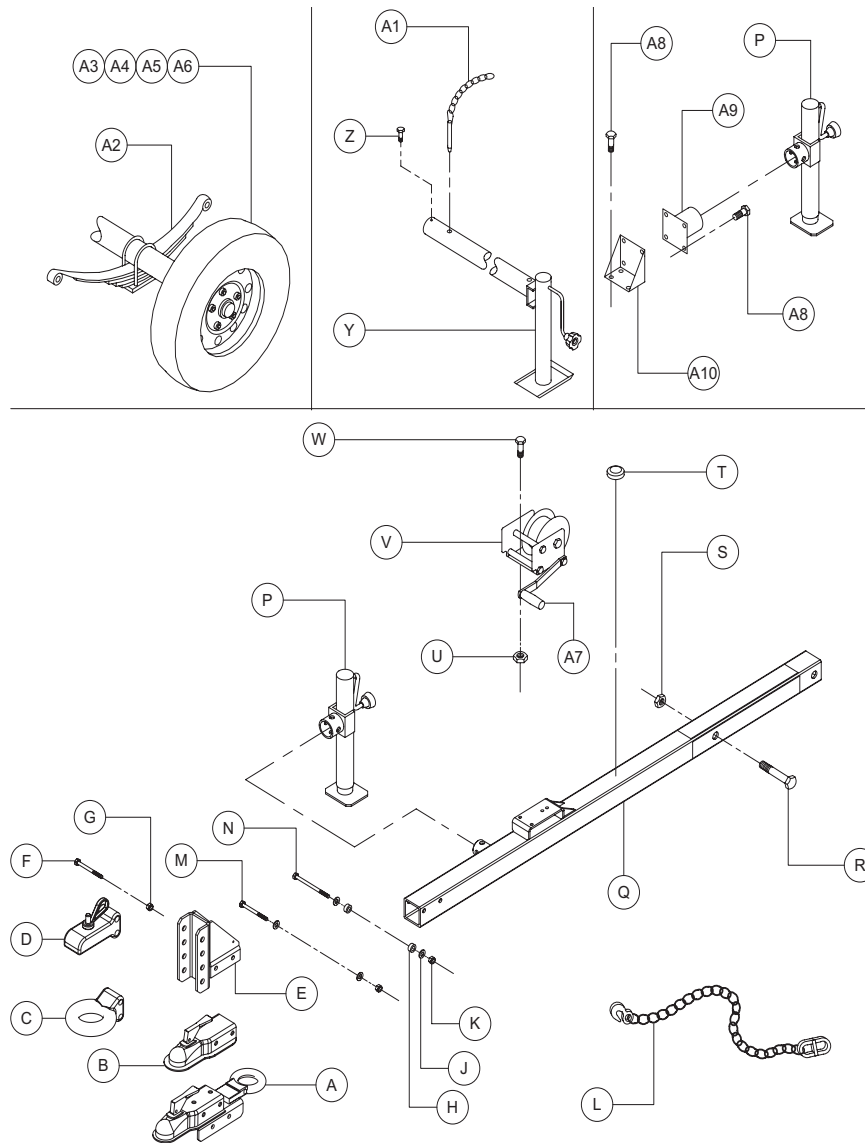
Drawbar Assembly



22902458_009_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22144521	Chain & Hook Assembly	2	 <i>Continued</i>
M	96721527	Screw (Prior to S/N: 384829)	1	M12 - 1.75 X 120
	96727896	Screw (After S/N: 384829)	1	M12 - 1.75 X 110
N	96721550	Screw	1	M12 - 1.75 X 160
P	36923415	Jack Assembly	1	
Q	36923266	Drawbar	1	
R	95953998	Screw	1	7/8" - 9 X 4-1/2"
S	95935060	Nut	1	7/8" - 9
T	36787398	Level	1	
U	36881886	Nut	3	M8 - 1.25
V	36923654	Winch, Manual	1	
W	36889608	Screw	3	M8 - 1.25 X 25
				 <i>Continued</i>

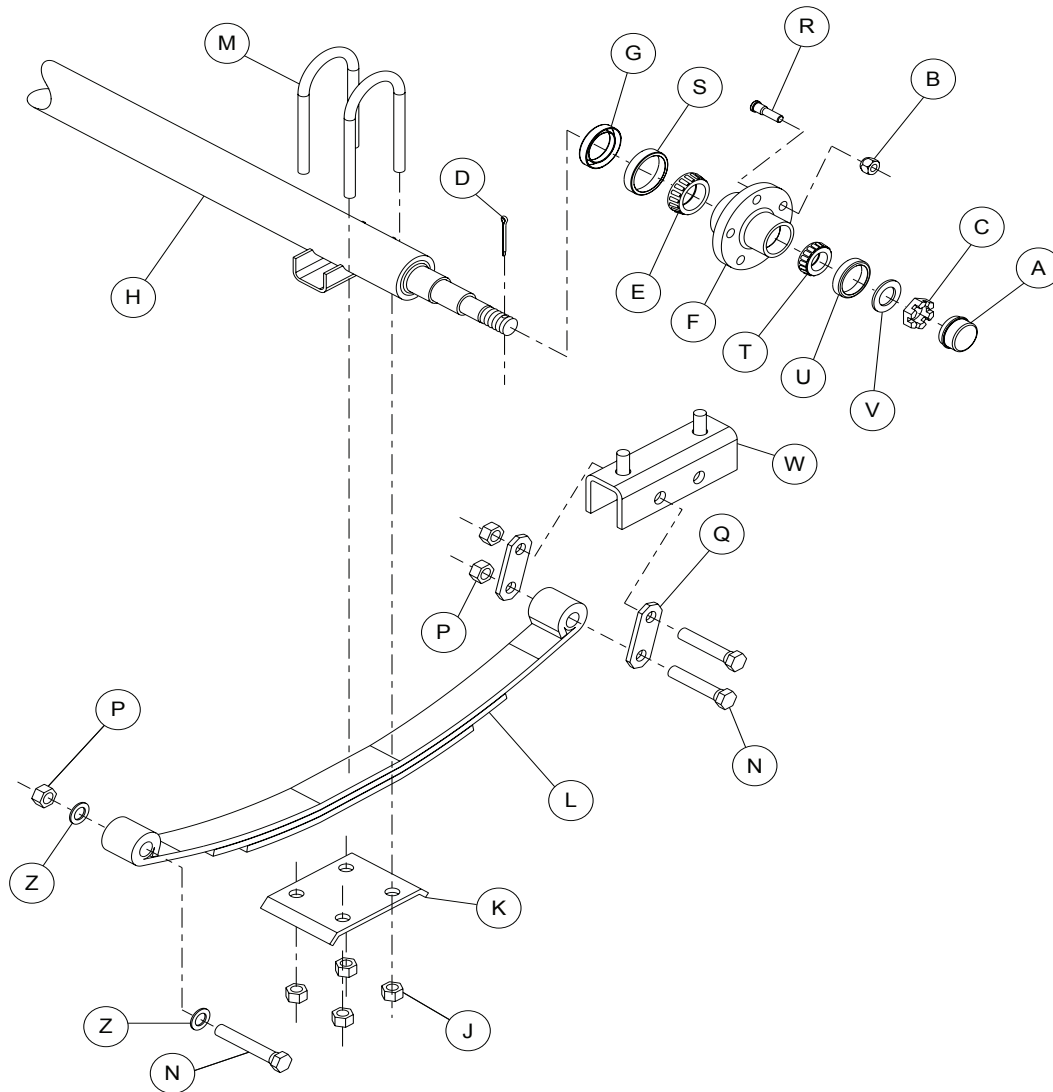
Drawbar Assembly



22902458_010_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Y	36923407	Jack, Outrigger	2	<i>.....Continued</i> M6 - 1.0 X 14 9" M8 - 1.25 X 20
Z	92368687	Screw	2	
A1	36848224	Pin	2	
A2	22876379	Running Gear	1	
A3	36073542	Tire & Wheel Assembly	2	
A4	22246268	Tire	1	
A5	35292986	Wheel	2	
A6	35282565	Stem, Valve	1	
A7	36923662	Handle, Winch	1	
A8	35279025	Screw	8	
A9	36796068	Tube, Mounting	1	
A10	22382949	Bracket, Support	1	

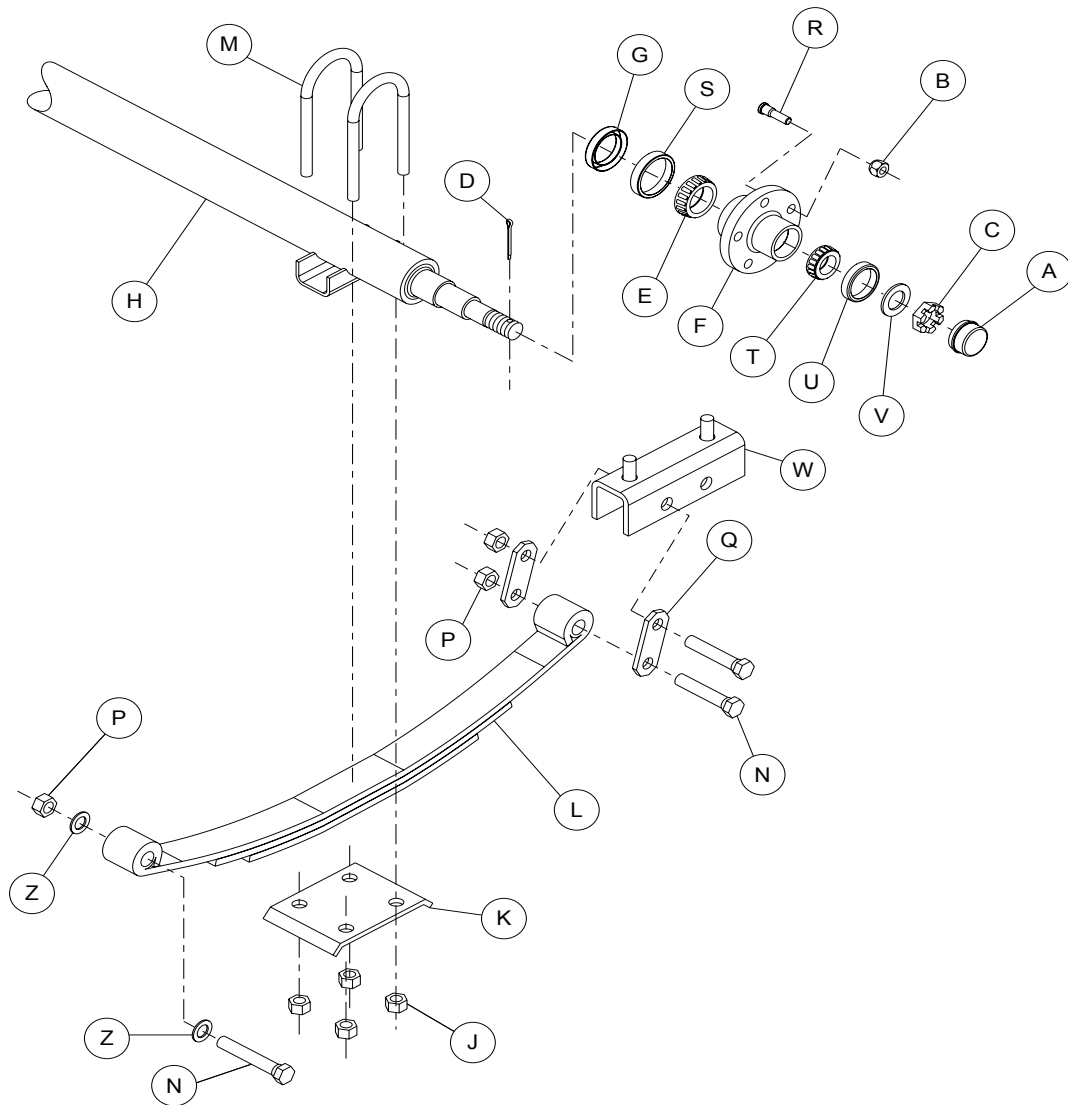
Running Gear Assembly



22902458_011_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22885073	Cap	2	<i>Continued.....</i>
B	35315274	Nut, Wheel	10	
C	22885057	Nut, Spindle	2	
D	22885065	Pin, Cotter	2	
E	22884993	Cone, Bearing Inner	2	
F	22885032	Hub Assembly	2	
G	22884985	Seal, Grease	2	
H	22884977	Beam, Axle	1	
J	22885115	Nut, U-Bolt	8	
K	22885099	Plate, Tie	2	
L	22885123	Spring, Double Eye	2	
M	22885107	U-Bolt	4	

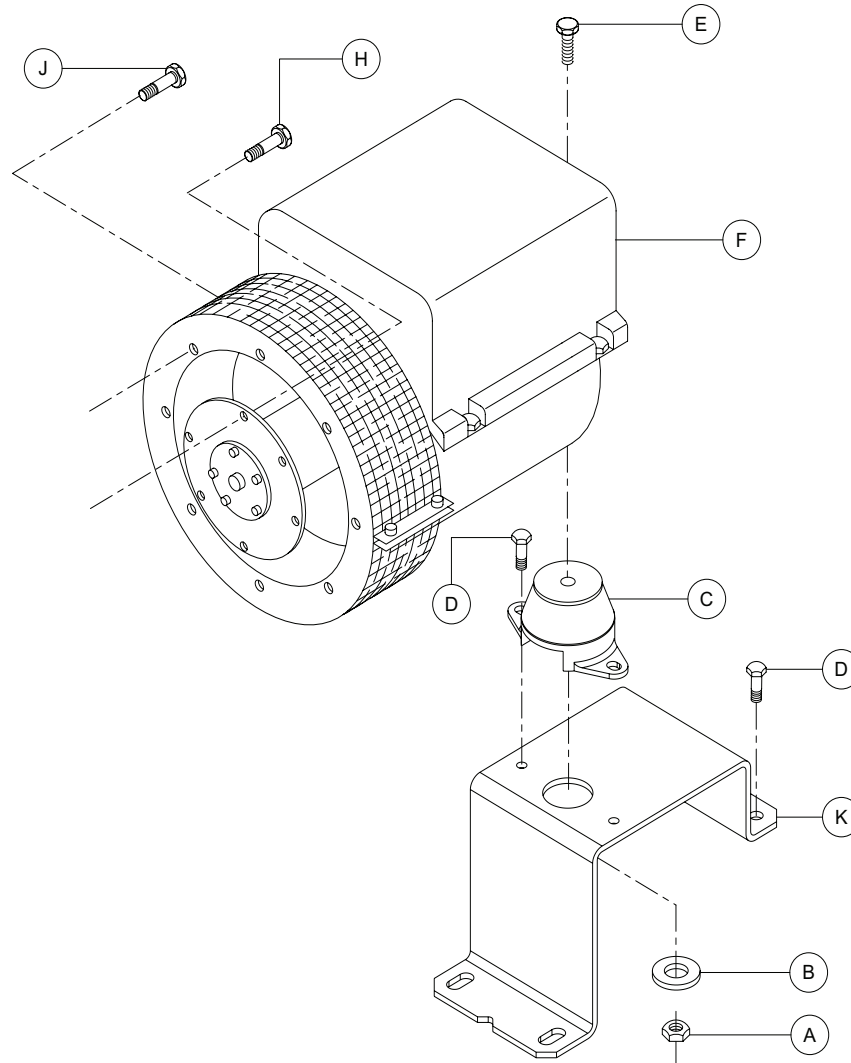
Running Gear Assembly



22902458_012_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	22888291	Bolt, Front	6	 <i>Continued</i>
P	22888309	Nut, Top Lock	6	9/16" - 18 X 3 1/2"
Q	22885156	Shackle	4	9/16" - 18
R	22885081	Stud, Wheel	4	9/16" - 18 X 3"
S	22885008	Cup, Bearing Inner	2	
T	22885016	Cone, Bearing Outer	2	
U	22885024	Cup, Bearing Outer	2	
V	22885040	Washer	2	
W	22885081	Stud	10	

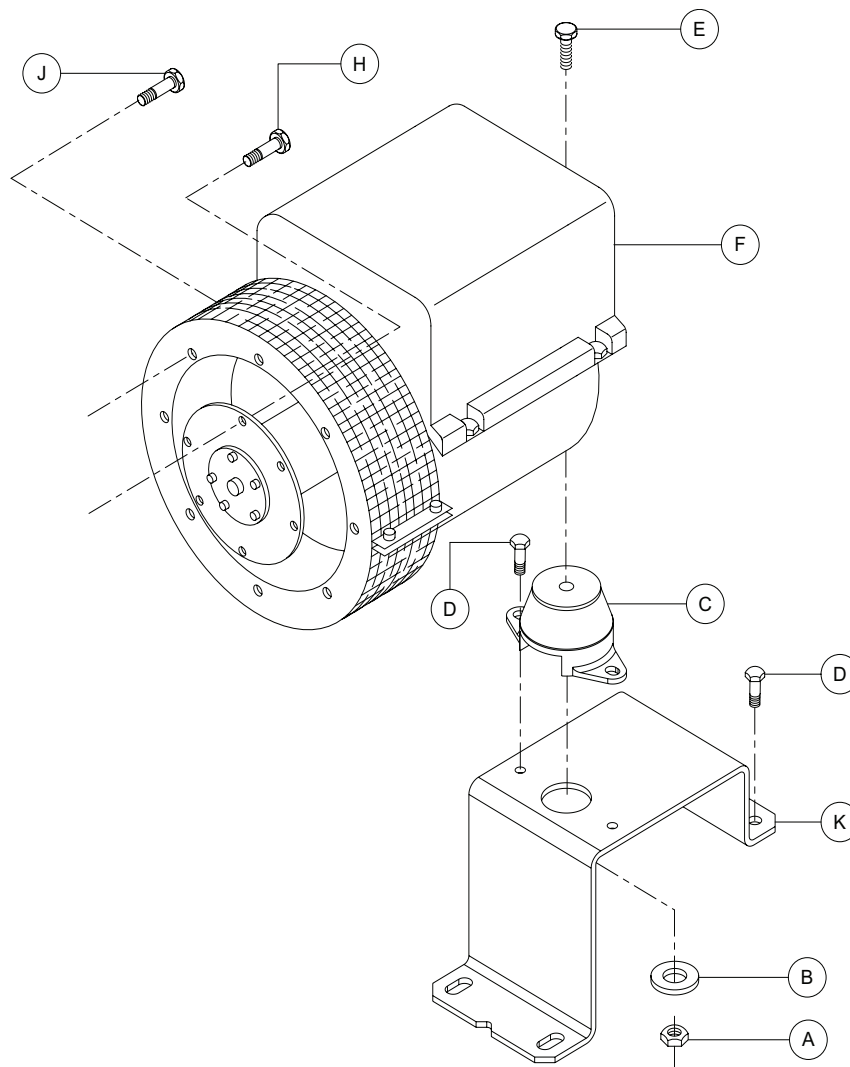
Generator and Mounting - Serial Code: D47



22902458_013_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35273366	Nut	1	M10 - 1.5
B	36899037	Washer	1	
C	36875565	Isolator, 250 lb	1	M8 - 1.25 X 20
D	35279025	Screw	5	
E	96730411	Screw	1	M10 - 1.5 X 60
F	22389381	Generator	1	6KW
G	22515753	Relief, Strain	1	5/16" - 18 X 3/4"
H	95067864	Screw	6	
J	95920674	Screw	8	3/4" - 16 X 1"
K	22389373	Support, Generator	1	
L	36888915	Connector, Strain Relief	1	
		Parts Not Illustrated		
	22819031	Kit, Capacitor 22.5 uF	1	Continued.....
	22819007	Instructions	1	

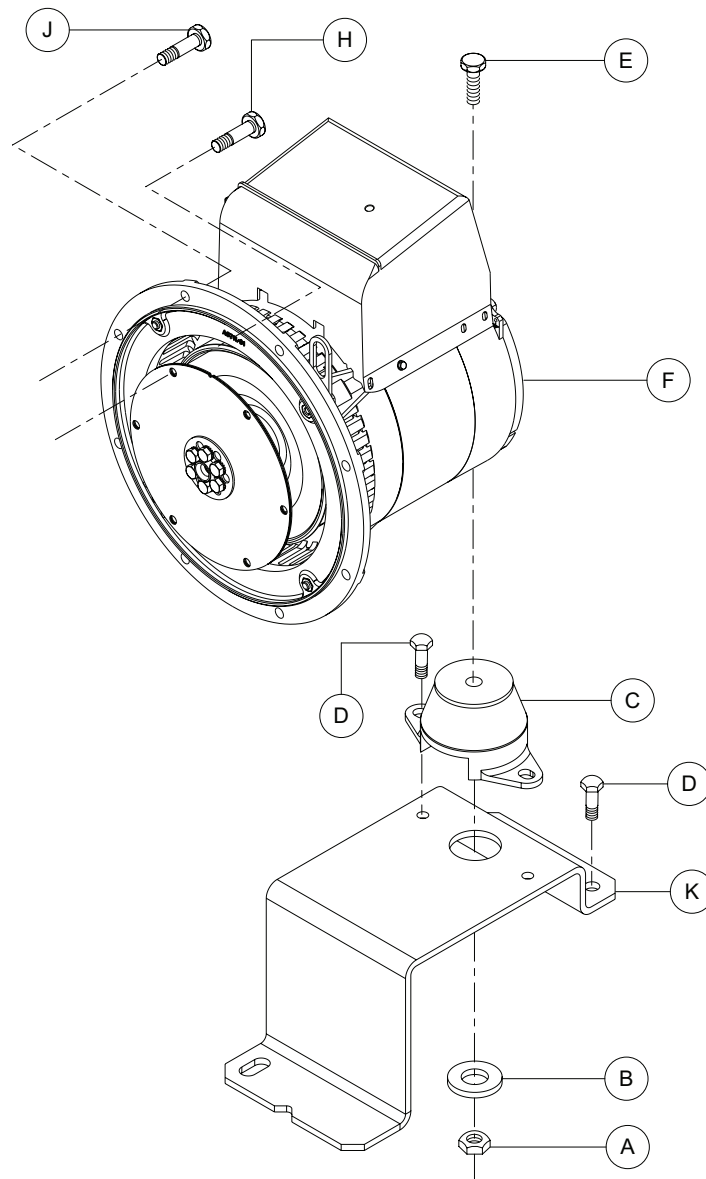
Generator and Mounting - Serial Code: D47



22902458_013_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		Parts Not Illustrated		 <i>Continued</i>
	22819023	Capacitor	2	
	22891857	Block, Terminal	1	
	22891790	Bearing, NDE	1	
	22891808	Kit, Diode	1	
	22891816	Bolt, Rotor	1	
	22891824	Cover, Top	1	
	22891832	Cap, End	1	
	22891840	Fan	1	

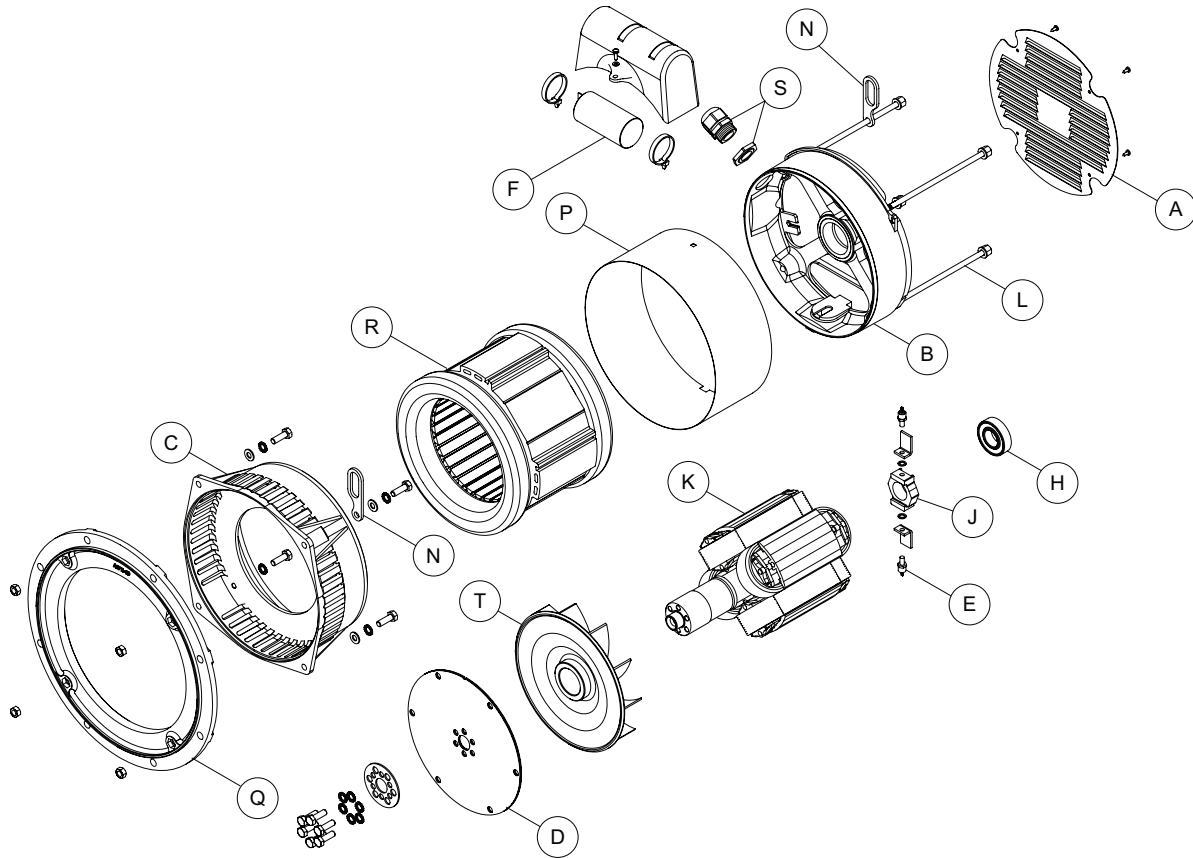
Generator and Mounting - Serial Code: D56



22902458_013_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35273366	Nut	1	M10 - 1.5
B	36899037	Washer	1	
C	36875565	Isolator, 250 lb	1	
D	35279025	Screw	5	M8 - 1.25 X 20
E	96730411	Screw	1	M10 - 1.5 X 60
F	22810618	Generator	1	6KW
G	36888915	Connector, Strain Relief (Not Shown)	1	
H	95067864	Screw	6	5/16" - 18 X 3/4"
J	95920674	Screw	8	3/4" - 16 X 1"
K	22809313	Support, Generator	1	

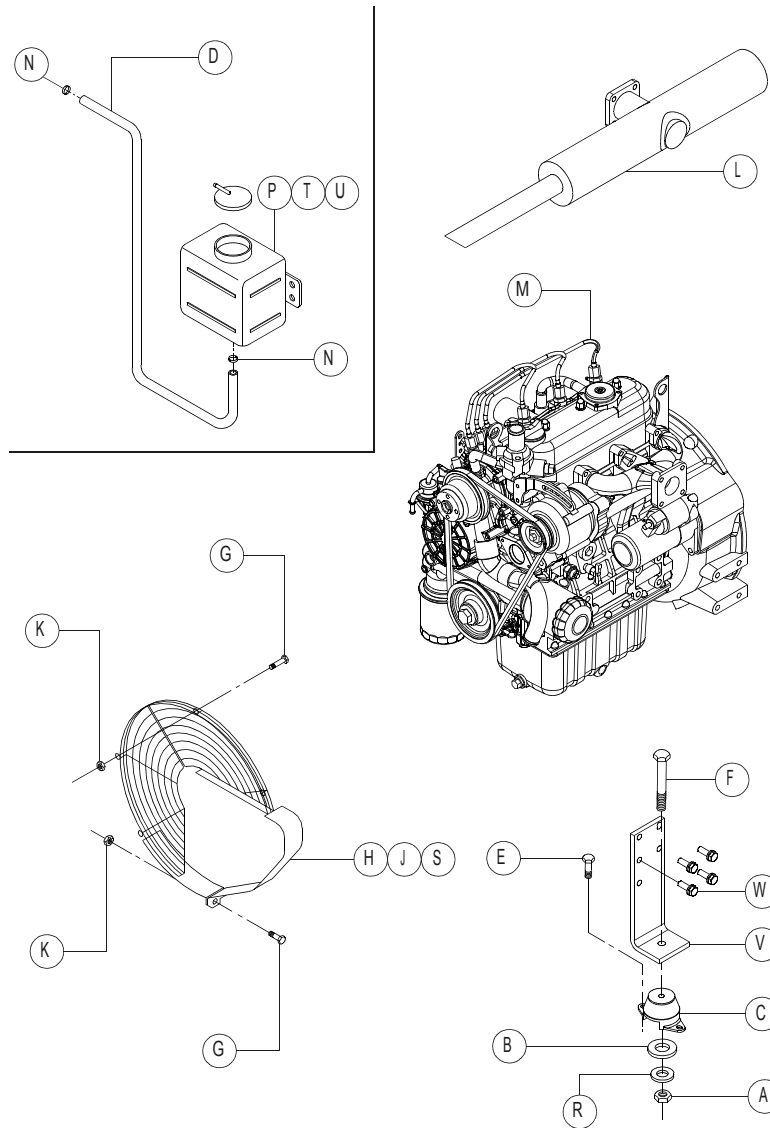
Generator Internal Parts - Serial Code: D56



22902458_013_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23278906	Seal, Rear	1	
B	23278914	Bracket, NDE	1	
C	23278922	Bracket, DE	1	
D	23278989	Plates, Disc Ring	3	
E	23278963	Diodes	2	
F	23278997	Capacitor	1	
G	46543104	Board, Terminal (Not Shown)	1	
H	23278955	Bearing, Rear	1	
J	23279037	Support, Diode Heat Sink	1	
K	23278930	Rotor Assembly	1	
L	23278971	Bolt, Cover Stay	1	
M	23279060	Cover, Top (Not Shown)	1	
N	23276052	Hook, lifting	1	
P	23279003	Band, Closing	1	
Q	23279011	Flange, Interchangeable	1	
R	23279029	Stator, Wound	1	
S	23279045	Nut, Cable Gland	1	
T	23278948	Fan	1	

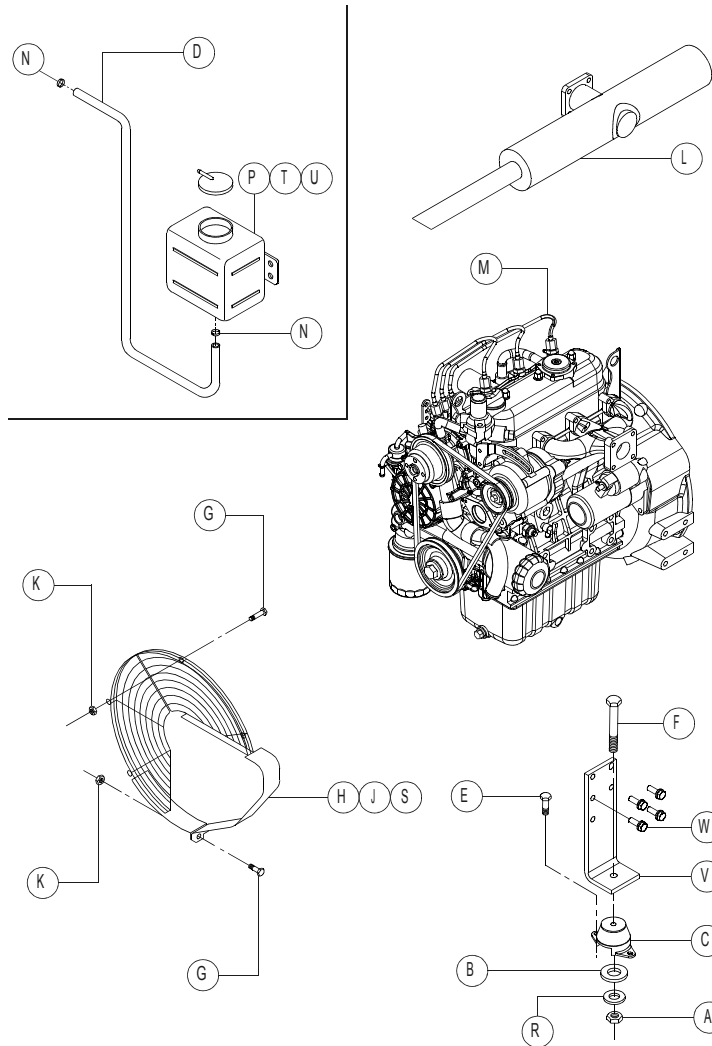
Engine Assembly



22902458_014_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35273366	Nut	2	M10 X 1.5
B	36899037	Washer	2	
C	36875565	Isolator, 250 lb	2	
D	35225077	Clamp, Support	1	
E	35279025	Screw	4	M8 - 1.25 X 20
F	96730411	Screw	2	M10 - 1.50 X 60
G	36898096	Screw	6	M6 -1.0 X 20
H	36868727	Guard, Fan	1	
J	36871614	Bracket, Mounting	1	
K	36898104	Nut	6	M6 - 1.0
L	22258446	Muffler	1	
				Continued.....

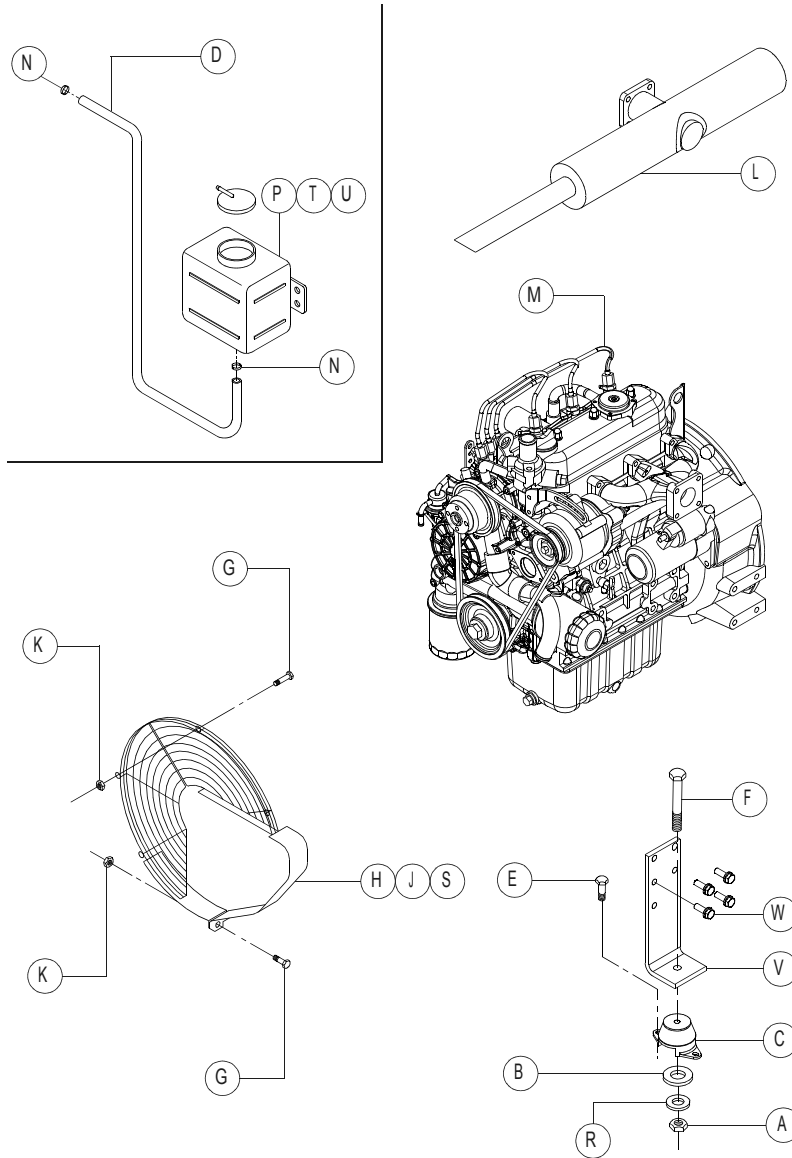
Engine Assembly



22902458_015_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	22439889	Engine, Kubota Tier 2	1	 Continued
	22439897	Engine, Kubota Tier 2	1	Serial Code: C13
	23173198	Engine, Kubota Tier 4	1	Serial Code: C14
	46546461	Engine, Kubota Tier 4	1	Serial Code: D47, D56
	46553988	Engine, Kubota Tier 4	1	Serial Code: D92
N	35296342	Clamp	2	Serial Code: D98
P	36884948	Bottle, Coolant	1	
Q	35363498	Hose		32"
R	35273366	Washer	2	
S	92368687	Screw (Fan to Guard)	2	M6 - 1.0 X 14
T	35179025	Screw	2	M8 - 1.25 X 25
U	36881886	Nut	2	M8 - 1.25
V	46541504	Bracket, Engine Mount	2	
W	46551868	Screw	8	M10 - 1.25 X 30
				Continued.....

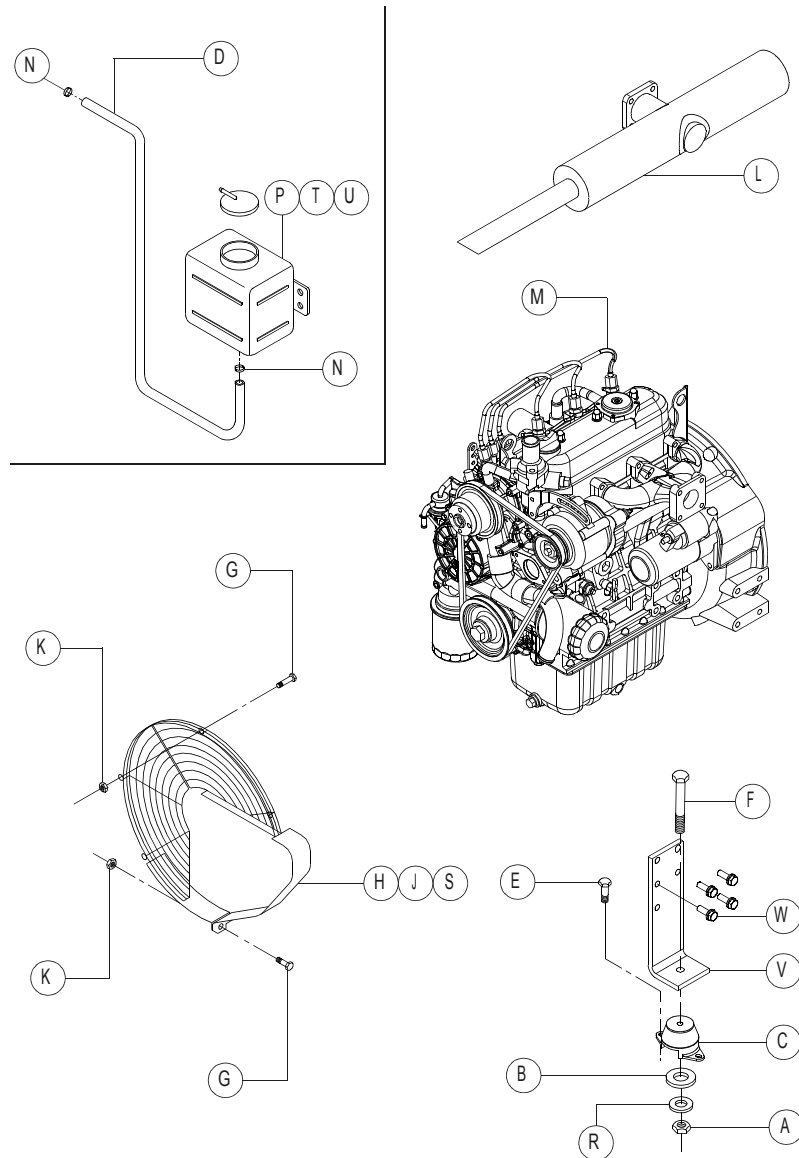
Engine Assembly



22902458_016_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
X	36870574	Parts Not Illustrated		 <i>Continued</i>
Y	36870566	Filter, Engine Oil		
Z	22173561	Filter, Engine Fuel		
A1	36890135	Filter, Engine Air Complete		
A2	36878379	Element, Air Filter		
A3	36878379	Switch		12 PSI
A4	36868479	Switch, Water Temp.		
A5	44004539	Kit, Solenoid		
A6	36888170	Alternator		
A7	36888501	Engine Fan		
A8	23350549	Harness, Engine		Serial Code: D98
	46553992	Harness, Engine		<i>Continued</i>

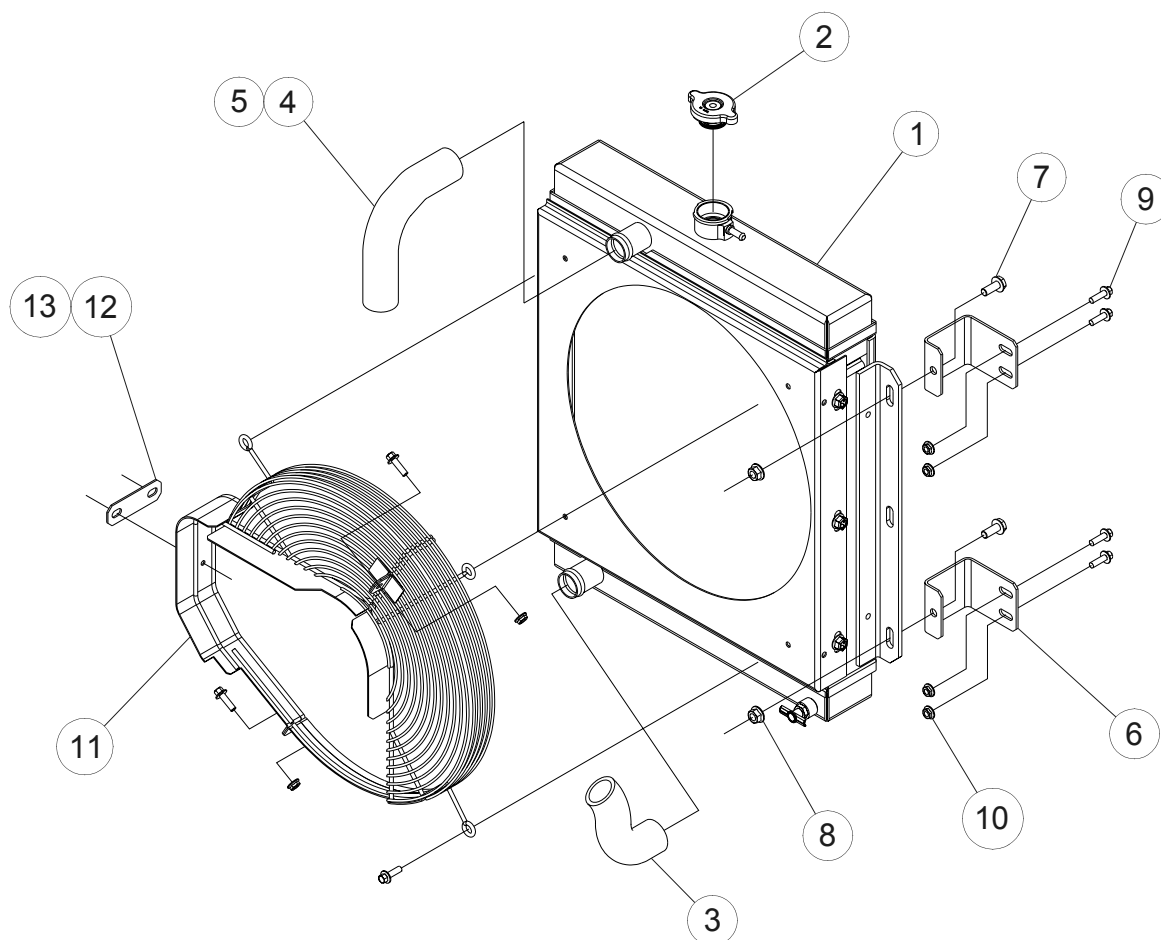
Engine Assembly



22902458_017_05/06_A

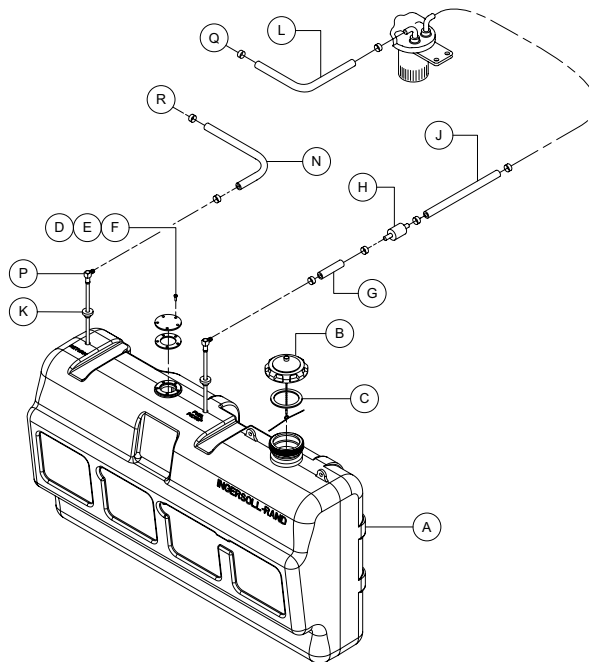
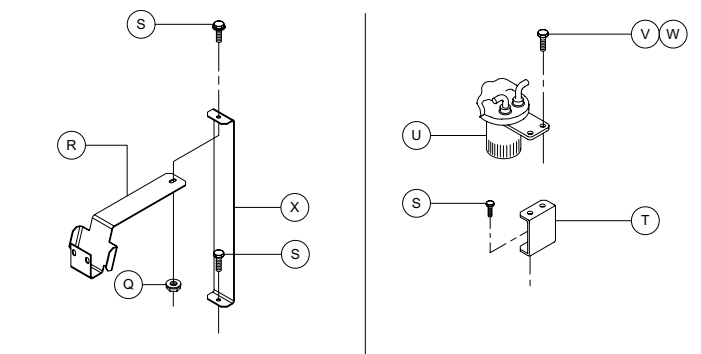
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A9	36888477	Parts Not Illustrated		 Continued
B1	36888485	Radiator Bottom Hose		
B2	36888493	Hose Clamp		
B3	15908098	Fan Belt		Prior to S/N: 383711 After S/N: 383711
B4	22986517	Fan Belt		
B5	22986517	Starter		
B6	36888451	Radiator		Prior to S/N: 383711
B7	22988885	Cap, Radiator		Prior to S/N: 383711
B8	23083405	Radiator, Aluminum		After S/N: 383711
B9	23084338	Cap, Radiator		After S/N: 383711
C1	36888469	Radiator Top Hose		
C2	22988885	Cap, Radiator		Prior to S/N: 383711
	23084338	Cap, Radiator (for Aluminum Radiator)		After S/N: 383711

Radiator - Serial Code: D92



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46545695	Radiator Assy	1	
2	46548715	Cap, Radiator	1	
3	46541579	Hose, Radiator - Lower	1	
4	46541561	Hose, Radiator - Upper	1	
5	46548152	Clamp, Hose	4	
6	46542171	Bracket, Radiator	4	
7	92398130	Screw	4	M8 - 1.25 X 20
8	36881886	Nut	4	M8 - 1.25
9	36898096	Screw	13	M6 - 1.0 X 20
10	36898104	Nut	10	M6 - 1.0
11	46546032	Guard, Radiator	1	
12	46547295	Bracket, Radiator Guard	1	
13	92368687	Screw	1	M6 - 1.0 X 14

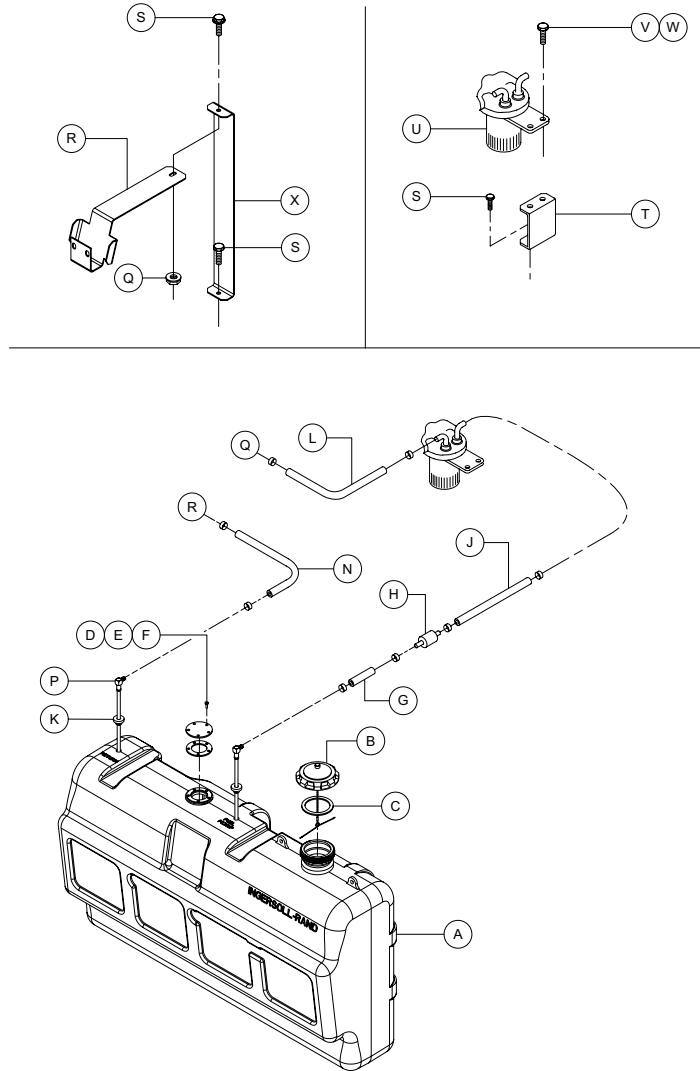
Fuel Tank and Piping



22902458_018_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881100	Tank, Fuel	1	
B	36885564	Cap, Fuel Tank	1	
C	35385111	Gasket	1	
D	95916532	Screw	5	
E	36792828	Cover	1	
F	35361849	Gasket	1	
G	35363498	Hose	1	4"
H	36845493	Filter, Inline	1	
J	35363498	Hose	1	24"
K	35384577	Bushing	2	
L	35363498	Hose	1	30"
M	35296342	Clamp	10	
				Continued.....

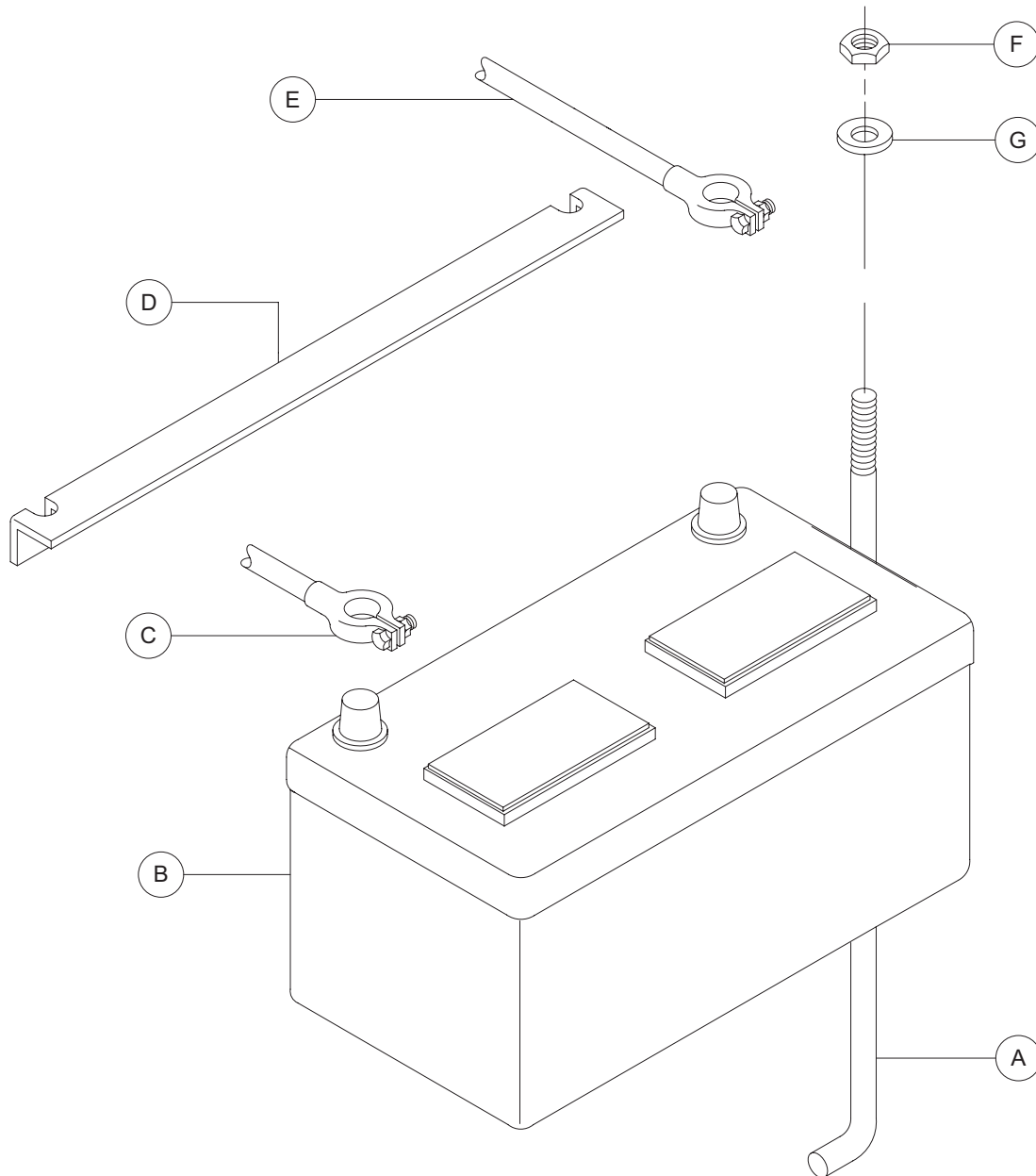
Fuel Tank and Piping



22902458_019_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	35282078	Hose	1	 Continued 24"
P	35392307	Fuel Tank Pipe Assembly	2	
Q	36881886	Nut	1	M8 - 1.25
R	22260905	Strap, Top	1	
S	35279025	Screw	4	M8 - 1.25 X 20
T	36923274	Bracket, Filter	1	
U	36870566	Filter, Engine Fuel	1	
V	36889608	Screw	2	M8 - 1.25 X 25
W	36881886	Nut	2	M8 - 1.25
X	22262315	Strap, Vertical	1	
	35384593	Parts not Illustrated Elbow, Barbed		

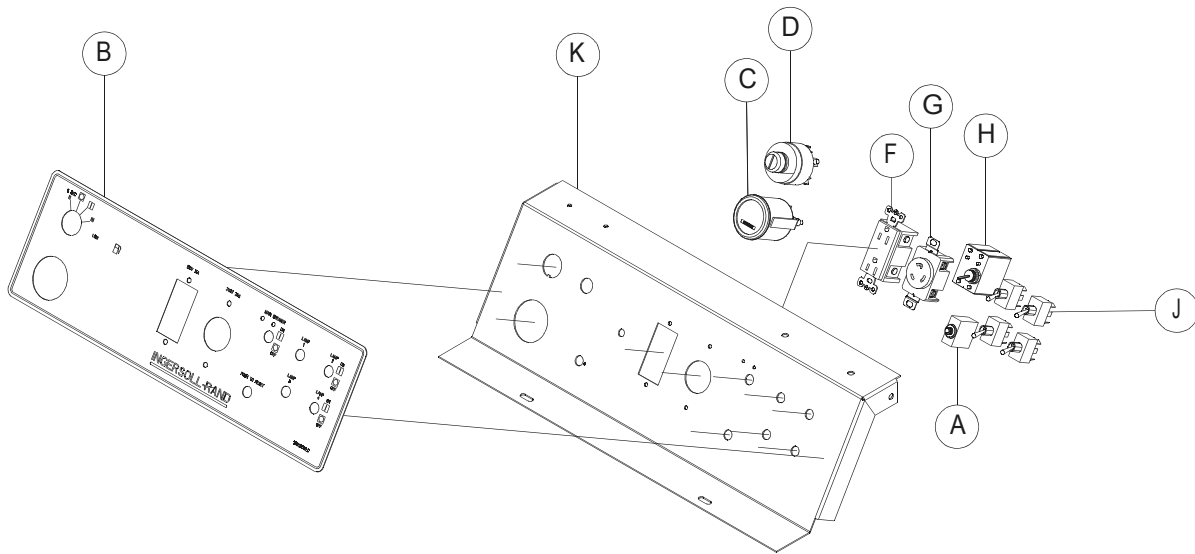
Battery and Mounting



22902458_021_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923282	J-Bolt	2	
B	22246797	Battery 600CCA	1	12 V
	36844975	Battery 1000CCA (Optional)	1	12V
C	36892685	Cable, Negative	1	37"
D	36853257	Angle	1	
E	35516582	Cable, Positive	1	48"
F	95923298	Nut	2	
G	36853265	Washer, Plastic	2	
H	35578194	Strap, Ground (Not Illustrated)	1	

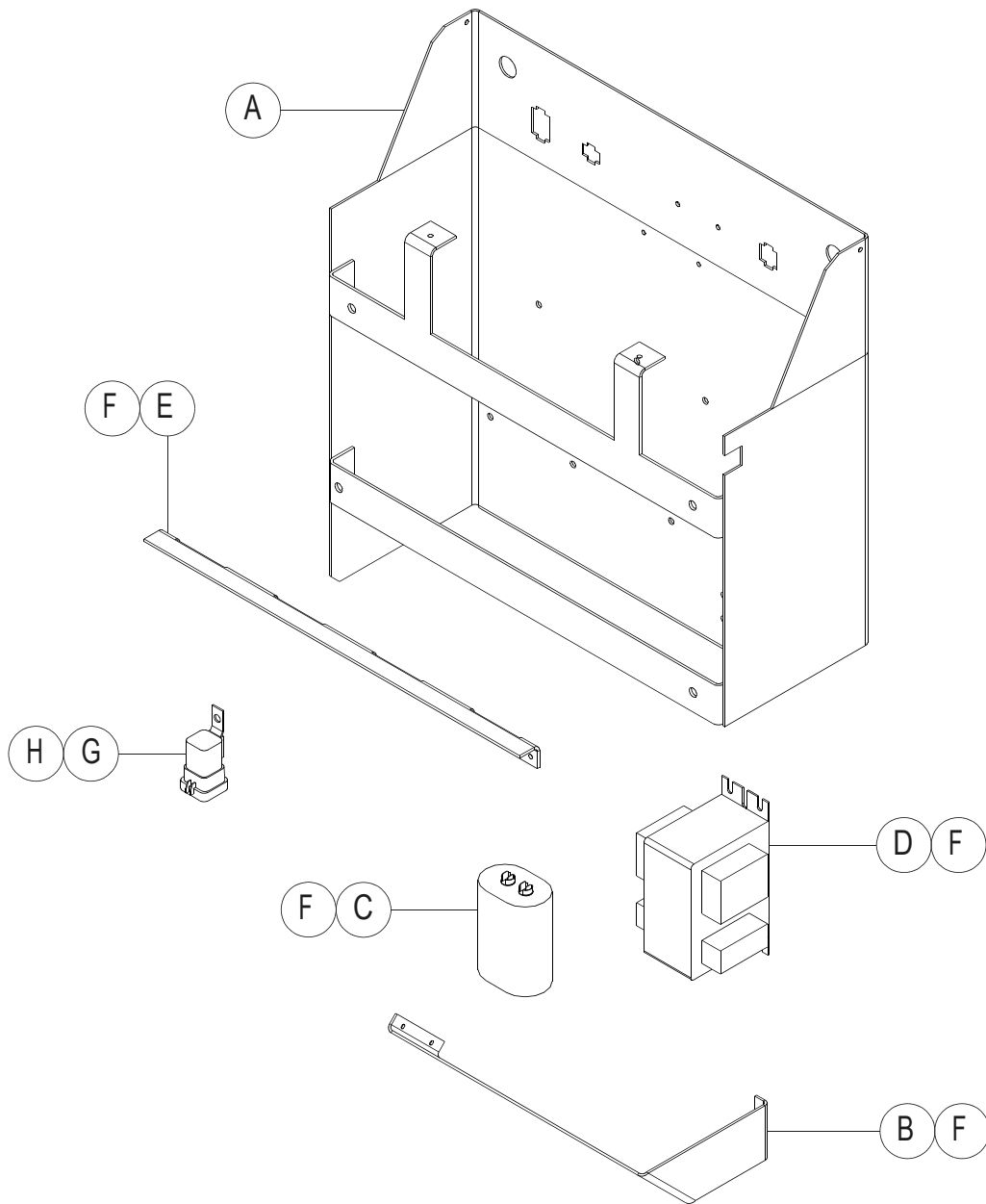
Instrument / Control Panel Assembly



22902458_022_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35371772	Breaker, Circuit	1	20 AMP
B	54462353	Decal, Panel	1	
C	36841245	Hourmeter	1	
D	36786457	Switch, Key	1	
	35385533	Key	1	
E	36883825	Light, Low Fuel (Not Shown)	1	25 AMP
F	35371798	Receptacle	1	
G	36848752	Receptacle, Twist-LOC	1	
H	36875953	Breaker, Circuit	1	
J	35337435	Switch, Toggle	4	
K	36923084	Cover, Control Panel	1	

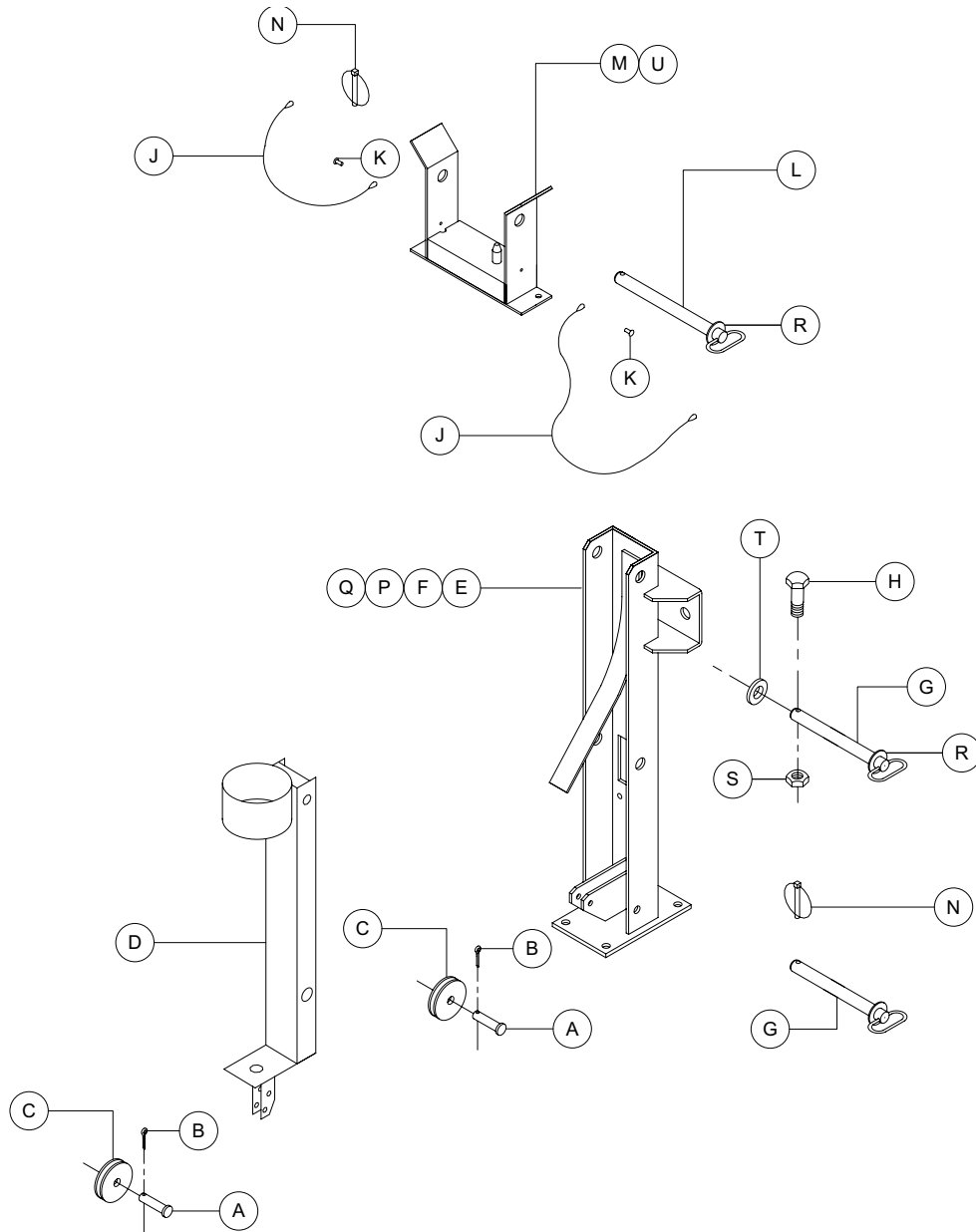
Ballast Box Assembly



22902458_023_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923068	Box, Ballast	1	
B	36923076	Bracket, Capacitor	1	
C	36888683	Capacitor	4	
D	36883791	Ballast	4	
E	36923050	Bracket, Ballast Box	1	
F	36797652	Screw, Tapping	17	M6 -1 .0 X 12
G	36878361	Relay	1	
F	35279025	Screw, Tapping	1	M8 - 1.25 X 20
G	36878361	Relay - Serial Code: D98	1	
H	35279025	Screw, Tapping - Serial Code: D98	1	M8 - 1.25 X 20

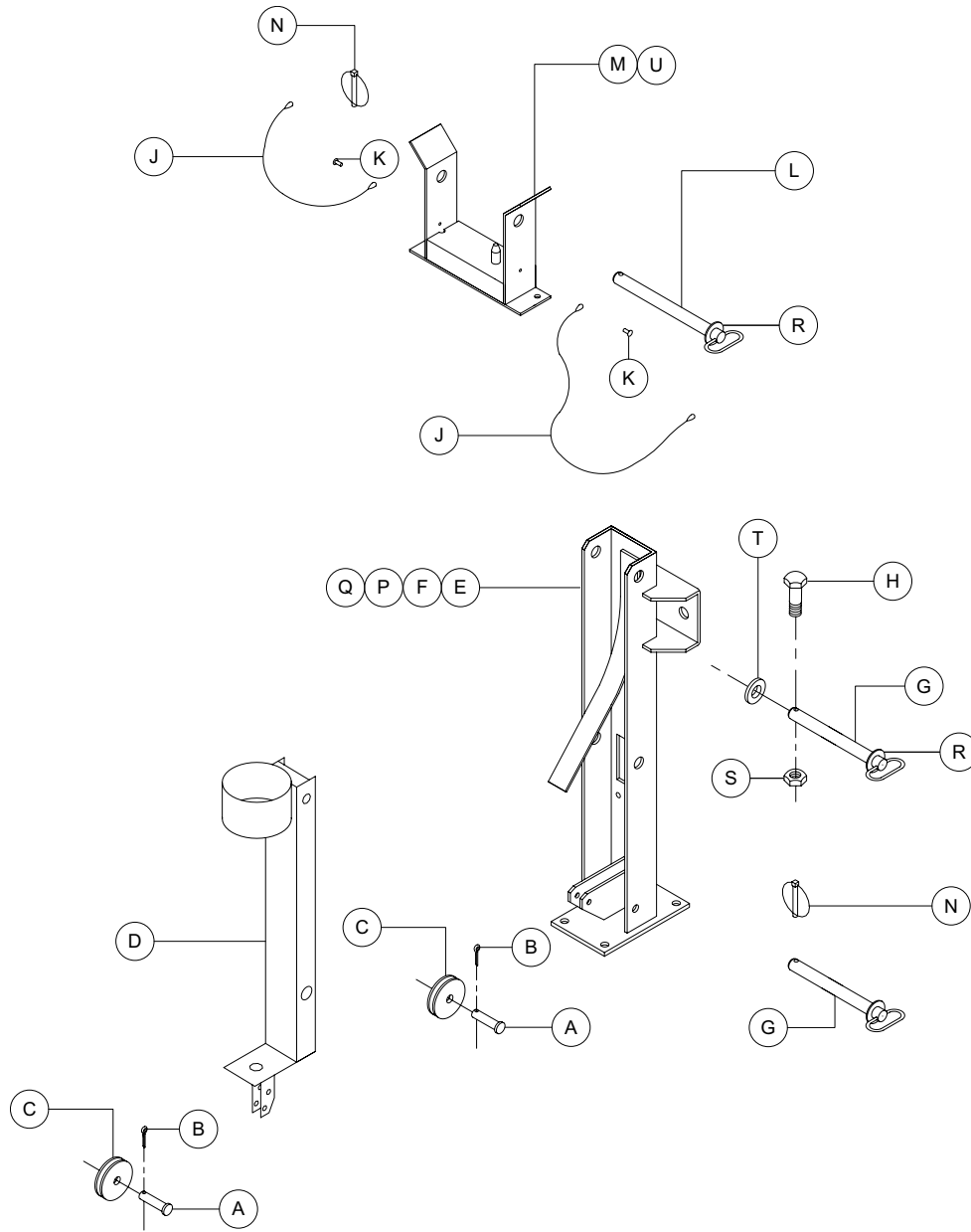
Tower Brackets



22902458_025_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36869246	Pin, Clevis	2	Continued.....
B	95928867	Pin, Cotter	2	
C	36783009	Pulley	2	
D	36885614	Support, TowerPivot	1	
E	36923258	Support, Tower	1	
F	36885549	Spring, Flat	1	
G	36869253	Pin	2	
H	35271170	Bolt	1	
J	36786218	Cable, Pin	3	

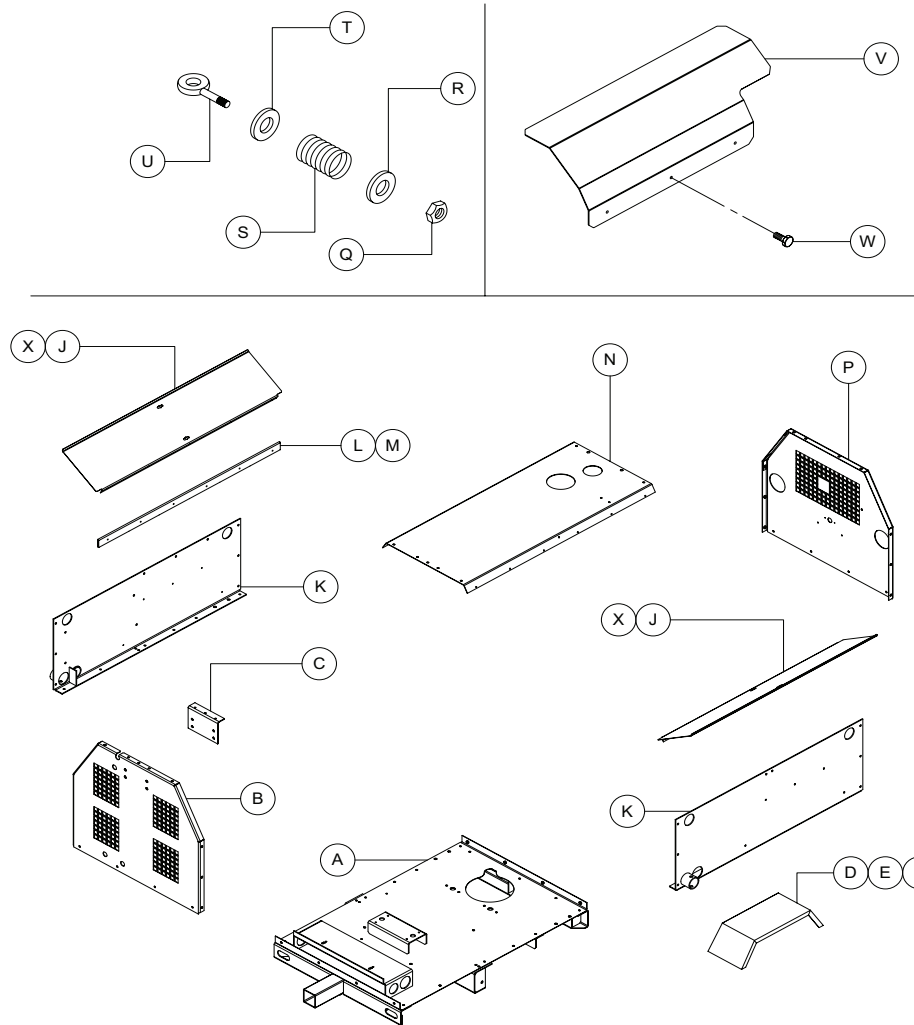
Tower Brackets



22902458_026_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	36843282	Rivet	3	Continued M8 - 1.25 M8 - 1.25 X 20
L	36870020	Pin	1	
M	36885697	Rest, Tower	1	
N	36794170	Pin, Spring	1	
P	36880995	Screw	2	
Q	36879195	Nut	2	
R	95935011	Washer	1	
S	36881886	Nut	2	
T	95928321	Washer	1	
U	35279025	Screw, Tapping	4	

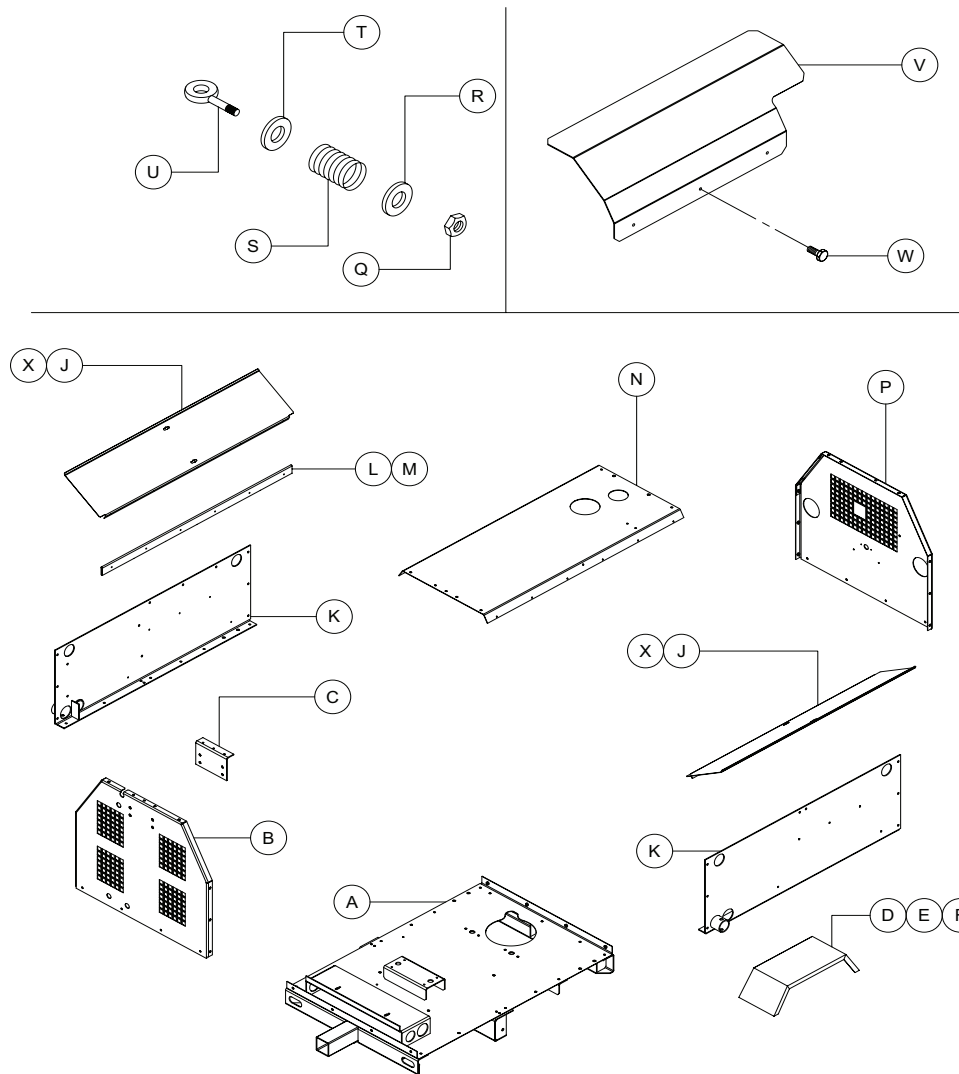
Frame and Enclosure



22902458_027_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923209	Frame	1	M6 - 1.0 X 14 M6 - 1.0 M6 - 1.0 X 14
B	36923142	Panel, Front	1	
C	36923233	Support, Front Panel	1	
D	36877579	Fender	2	
E	96739313	Screw (L.H. Fender only)	5	
F	36898104	Nut (L.H. Fender only)	5	
G	92368687	Screw, Tapping (R.H. Fender only)	5	
H	22369052	Panel, L.H. Side	1	
J	36923183	Door	2	
K	36923225	Panel, R.H. Side (Prior to S/N: 388770)	1	
	23137284	Panel, R.H. Side (After S/N : 388770)	1	
L	36923175	Hinge	2	
M	36843282	Rivet	30	
N	36923167	Roof	1	
P	22267579	Panel, Rear	2	
				Continued.....

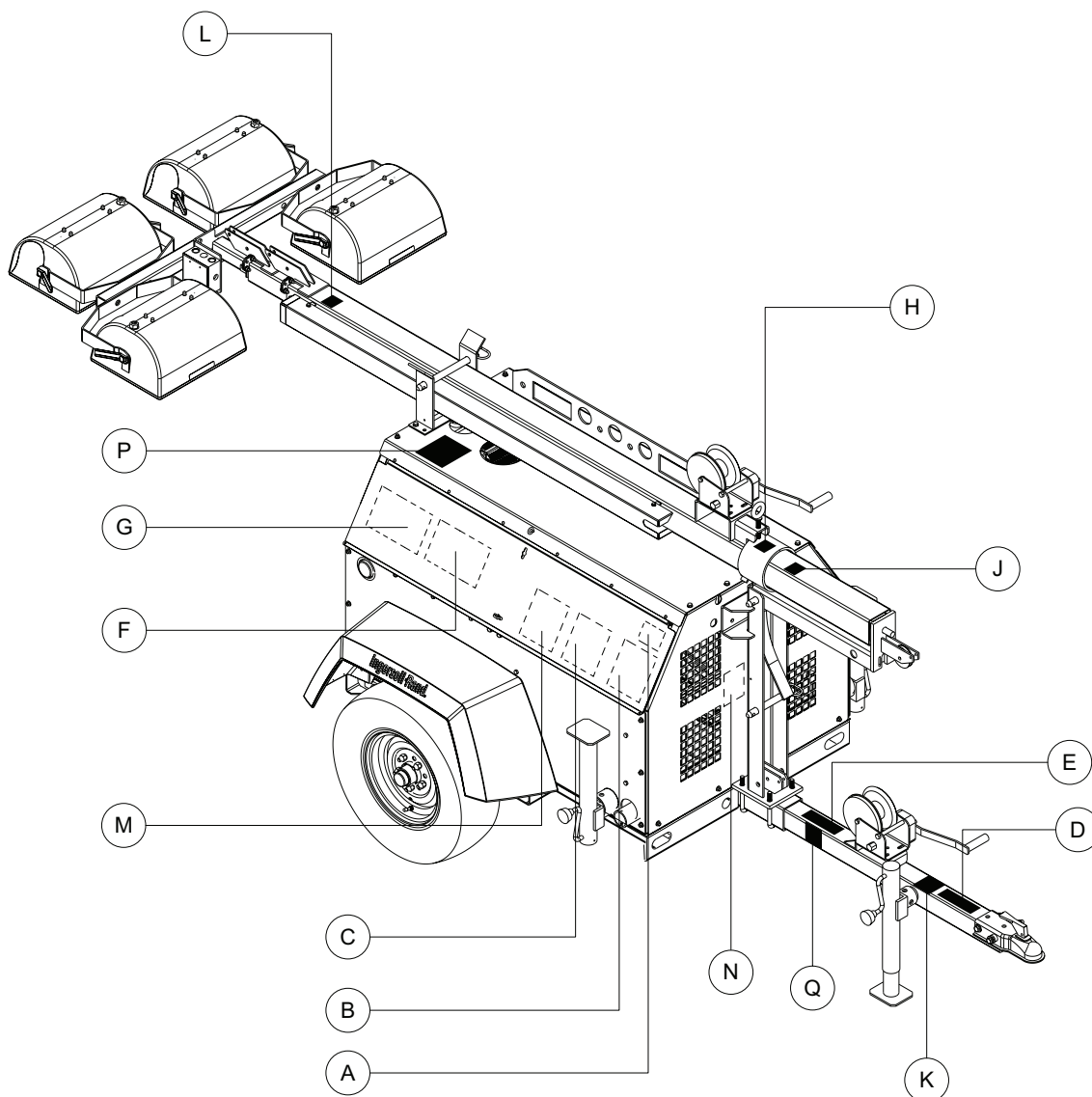
Frame and Enclosure



22902458_028_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
				Continued
Q	95923298	Nut	4	
R	36772028	Washer, Nylon	4	
S	35607837	Spring	4	
T	36923134	Bracket, Door Bolt	1	
U	35607829	Eyebolt	4	
V	22253470	Shield, Heat (Prior to S/N: 388717)	1	
	23137276	Shield, Heat (After S/N: 388717)	1	
W	35279025	Screw (Prior to S/N: 384249)	3	M8 - 1.25 X 20
	35300771	Screw (After S/N: 384249)	3	M6 - 1.0 X 20
X	54627617	Guard, Door Edge	4	24"
Y	35279025	Screw	37	M8 - 1.25 X 20
Z	36880995	Screw	4	M10 - 1.5 X 30
A1	36879195	Nut	4	M10 - 1.5

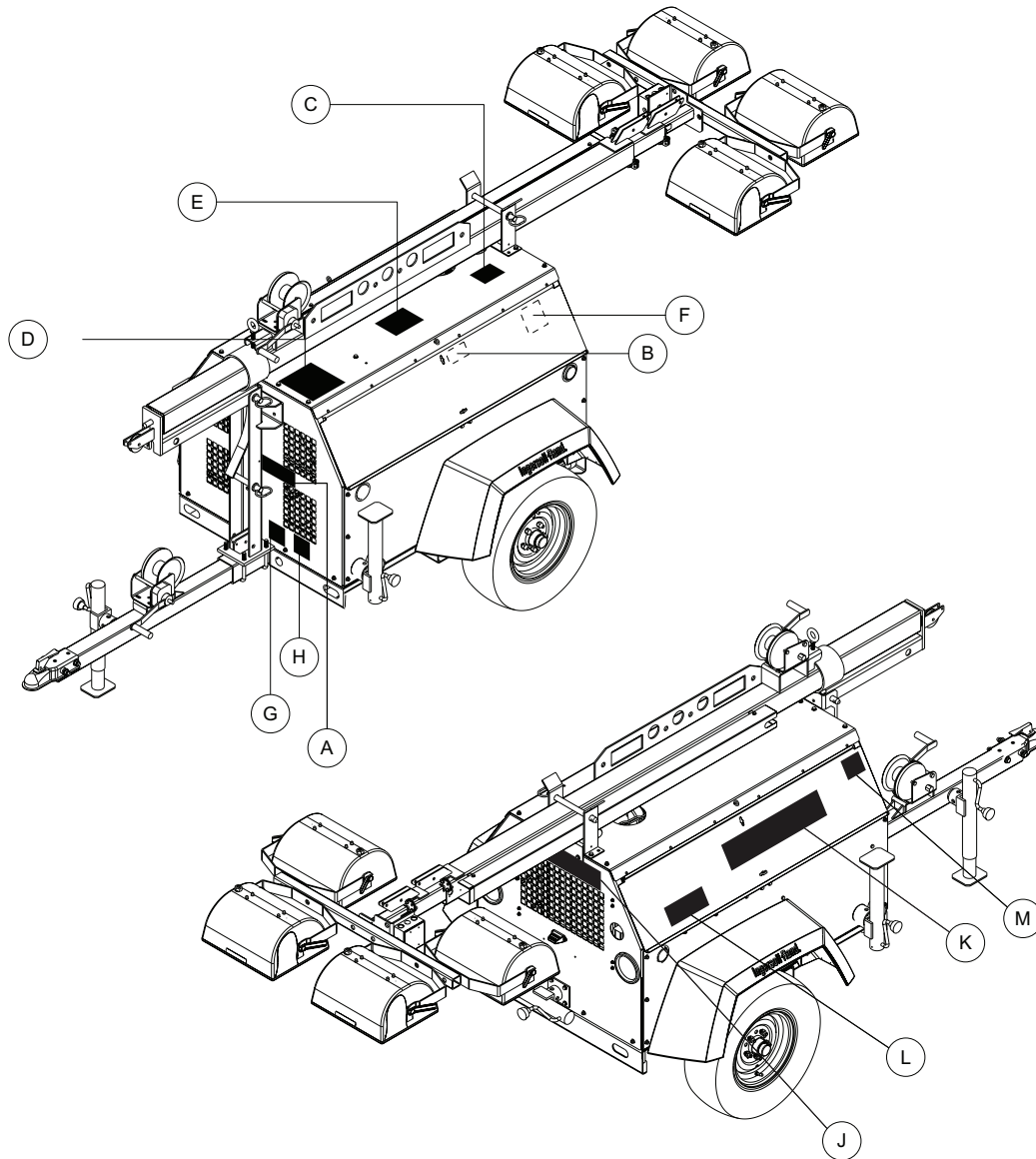
Decal Location



22902458_029_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568787	Decal, Improper Operation	1	
B	54630033	Decal, Operating Instructions	1	
C	36534667	Decal, General Data	1	
D	54568803	Decal, Collapsing Jack Stand	1	
E	54604921	Decal, Towing Notice	1	
F	54369806	Decal, Engine Wiring Diagram	1	
G	54369814	Decal, Generator Wiring Diagram	1	
H	36524304	Decal, Line Up Arrows	1	
J	54604947	Decal, Ultra Violet Radiation	1	
K	54604913	Decal, Ball Hitch	1	
L	36524353	Decal, Standard Straight	1	
M	54605027	Decal, Hazardous Voltage	1	
N	54568753	Decal, Combustible Gas	1	
P	54604962	Decal, Radiator Hot Fill	1	

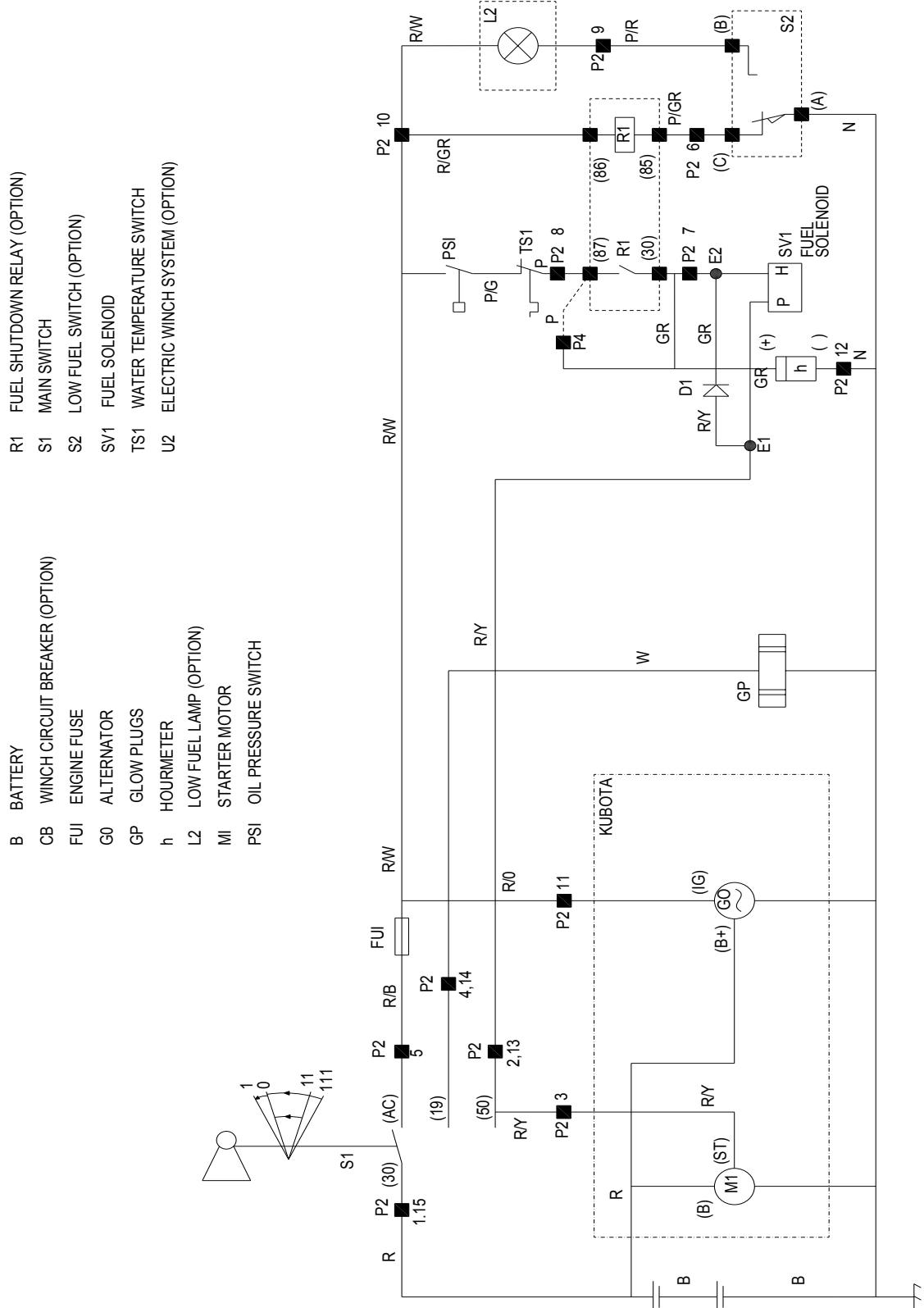
Decal Location



22902458_031_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22471114	Decal, 3 Part Warning	1	
B	54625207	Decal, ISO Diesel Fuel	1	
C	54568761	Decal, Hot Pressurized Fluid	1	
D	36531564	Decal, Tower Operating Instructions	1	
E	36529824	Decal, Lifting Instructions	1	
F	54568779	Decal, Rotating Fan	1	
G	22743843	Decal, Tire Load	1	
H	23241045	Decal, VIN	1	
J	46492542	Decal, IR Logo 22"	1	
K	46492559	Decal, IR Logo 24"	2	
L	46497400	Decal, Doosan 8" Logo	2	
M	46542270	Decal, Lightsource Model Number	2	

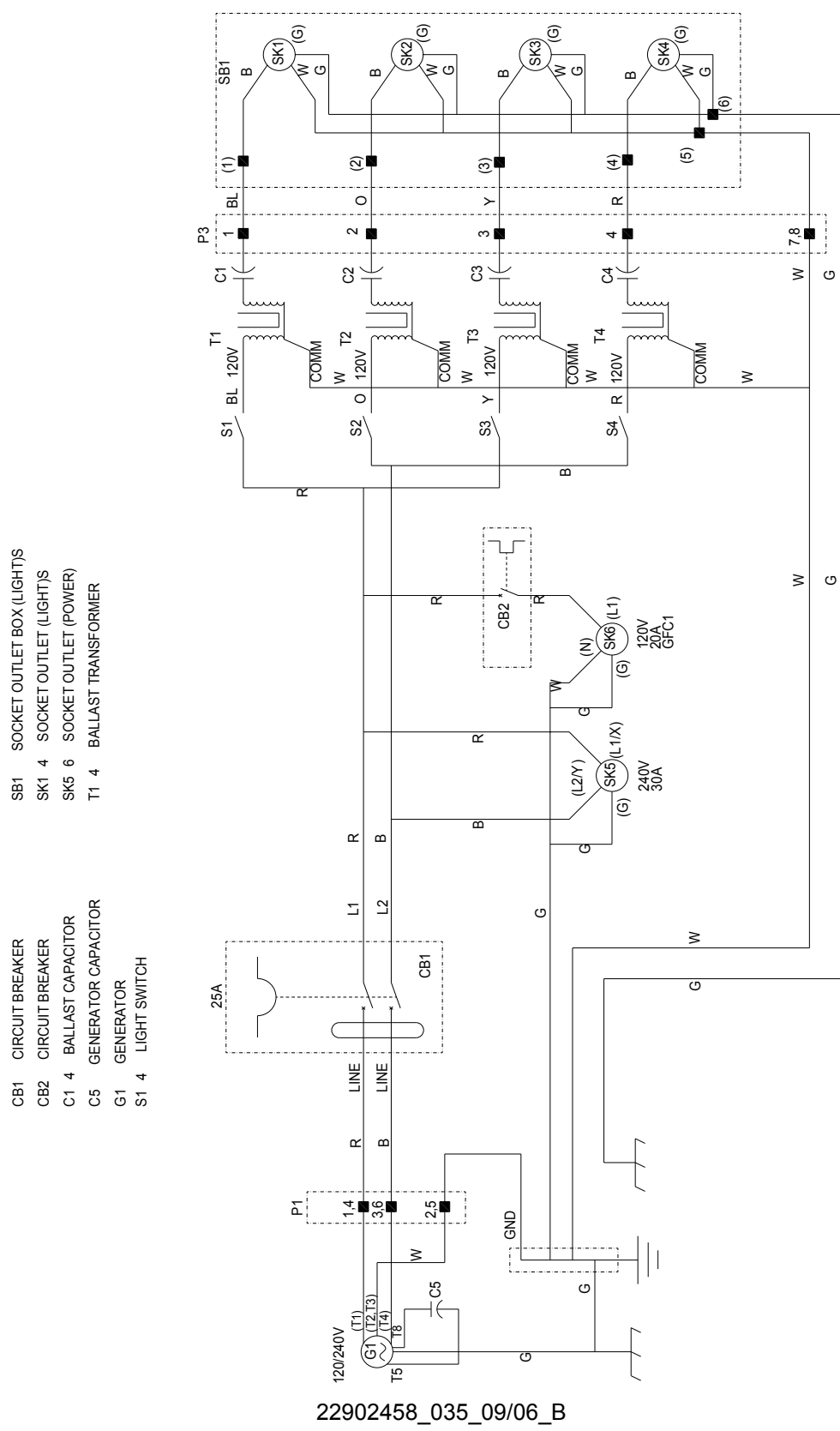
Wiring Diagram - Prior to S/N: 403504



22902458_034_09/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

Wiring Diagram - Prior to S/N: 403504



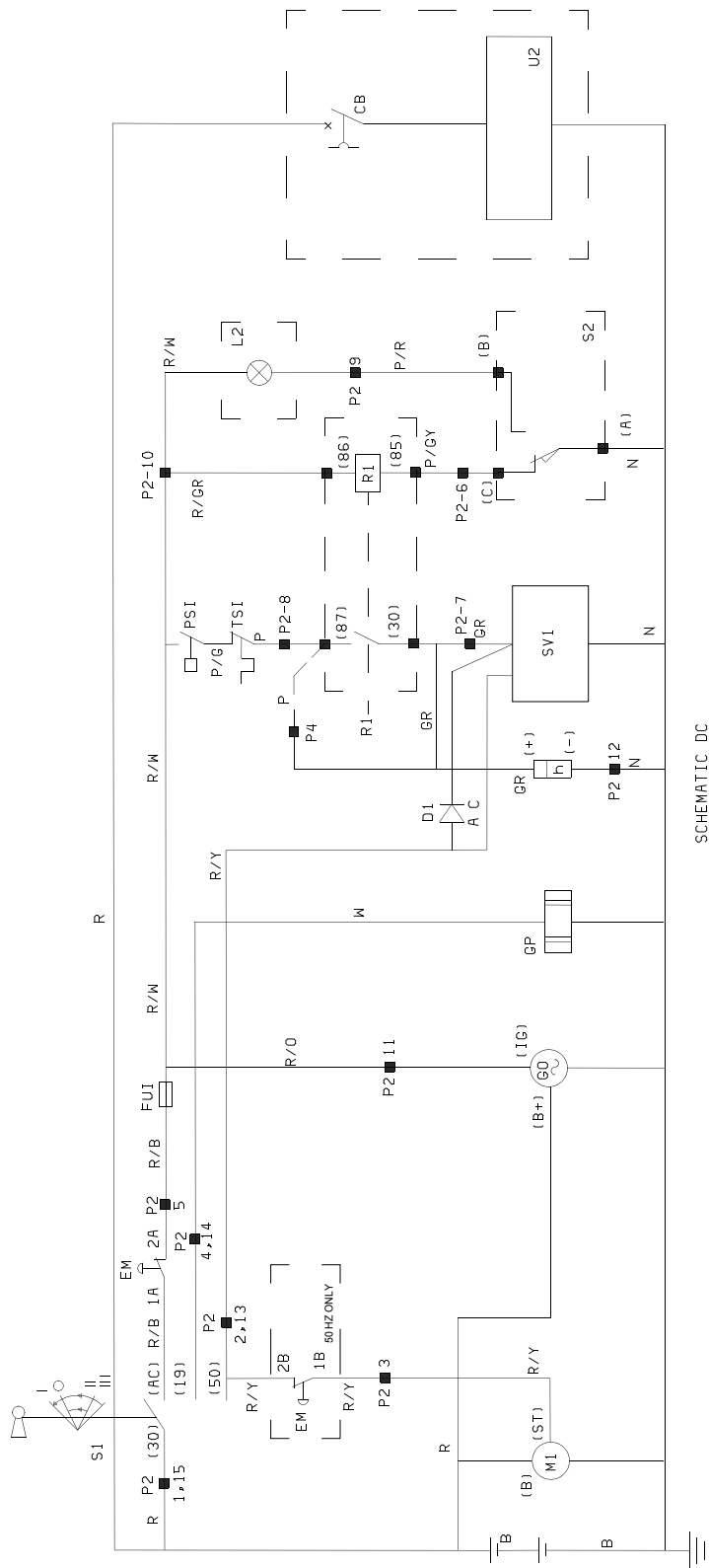
22902458_035_09/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

Wiring Diagram - After S/N: 403504

S2 - LOW FUEL SWITCH (OPTION) - 22278865
TS1 - WATER TEMPERATURE SWITCH - 36868479
U2 - ELECTRIC WINCH - 36878056
EM - EMERGENCY STOP - 36883809
ENGINE WIRING HARNESS - 22220347
CONTROL PANEL HARNESS - 54364864 (60 HZ UNITS)
CONTROL PANEL HARNESS - 22111082 (ESA 50 HZ UNITS)

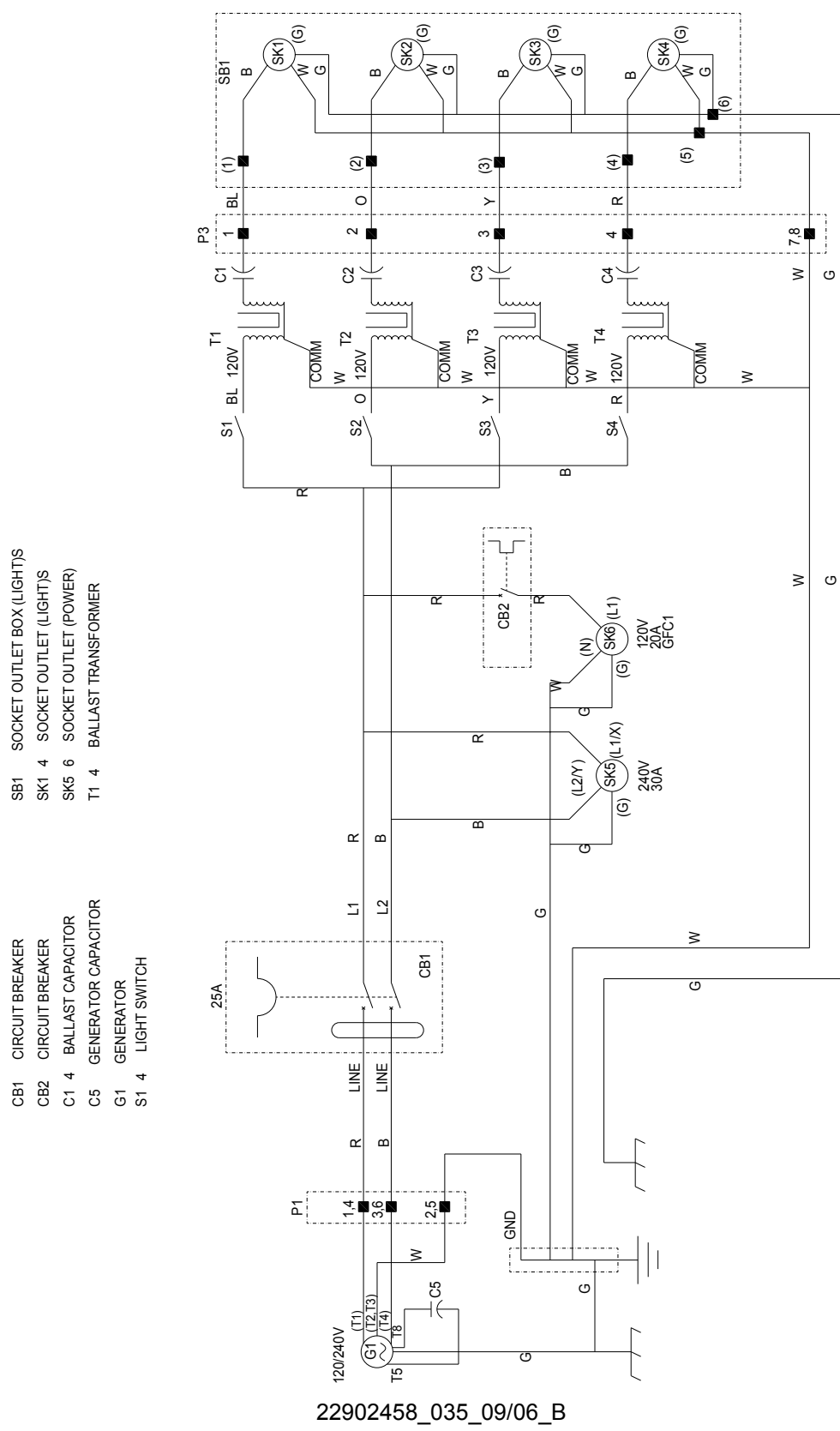
B - BATTERY - 22246797
CB - WINCH CIRCUIT BREAKER - 36850402
D1 - VOLTAGE DIRECTING DIODE - 35376169
H - HOURMETER - 36841245
L2 - LOW FUEL LAMP (OPTION) - 36883825
PSI = OIL PRESSURE SWITCH - 36878379
RI - FUEL SHUTDOWN RELAY (OPTION) 36878361
SI - MAIN SWITCH - 36786457



22902458_034_09/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

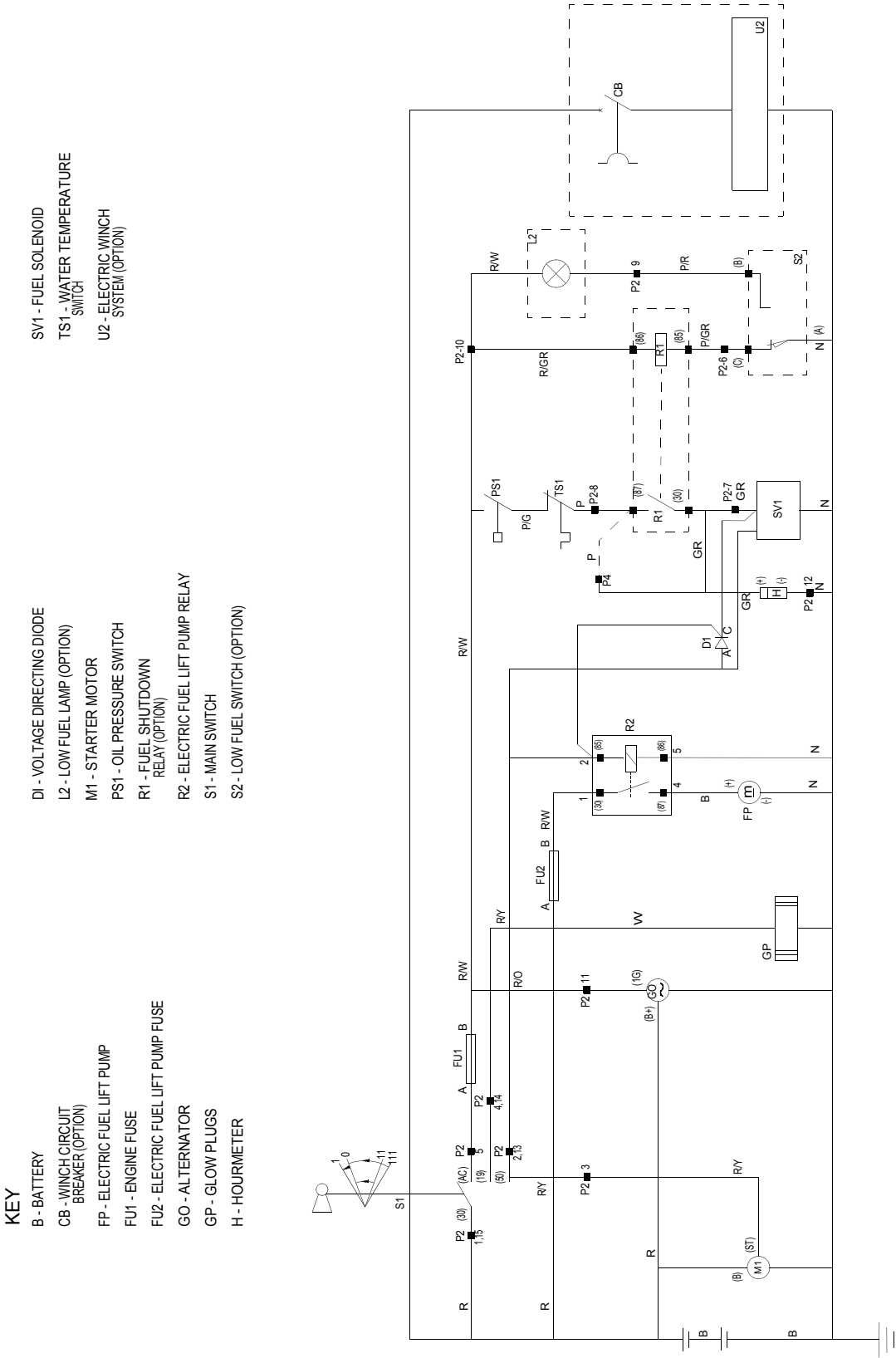
Wiring Diagram - After S/N: 403504



22902458_035_09/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

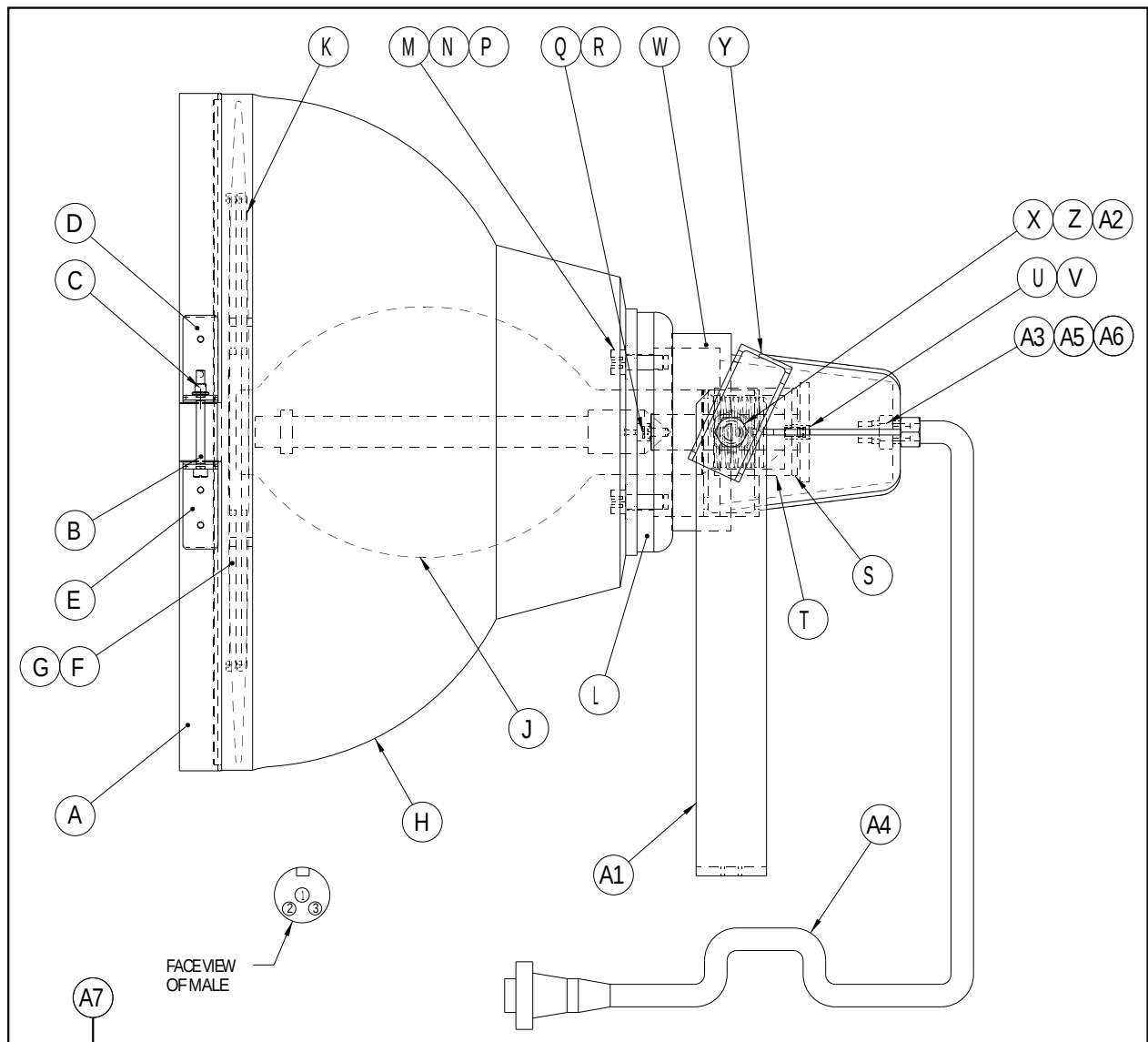
Wiring Diagram - Serial Code D98



ENGINE WITH ELECTRIC FUEL LIFT PUMP

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

Lamp / Socket Assembly - Prior to S/N: 407952

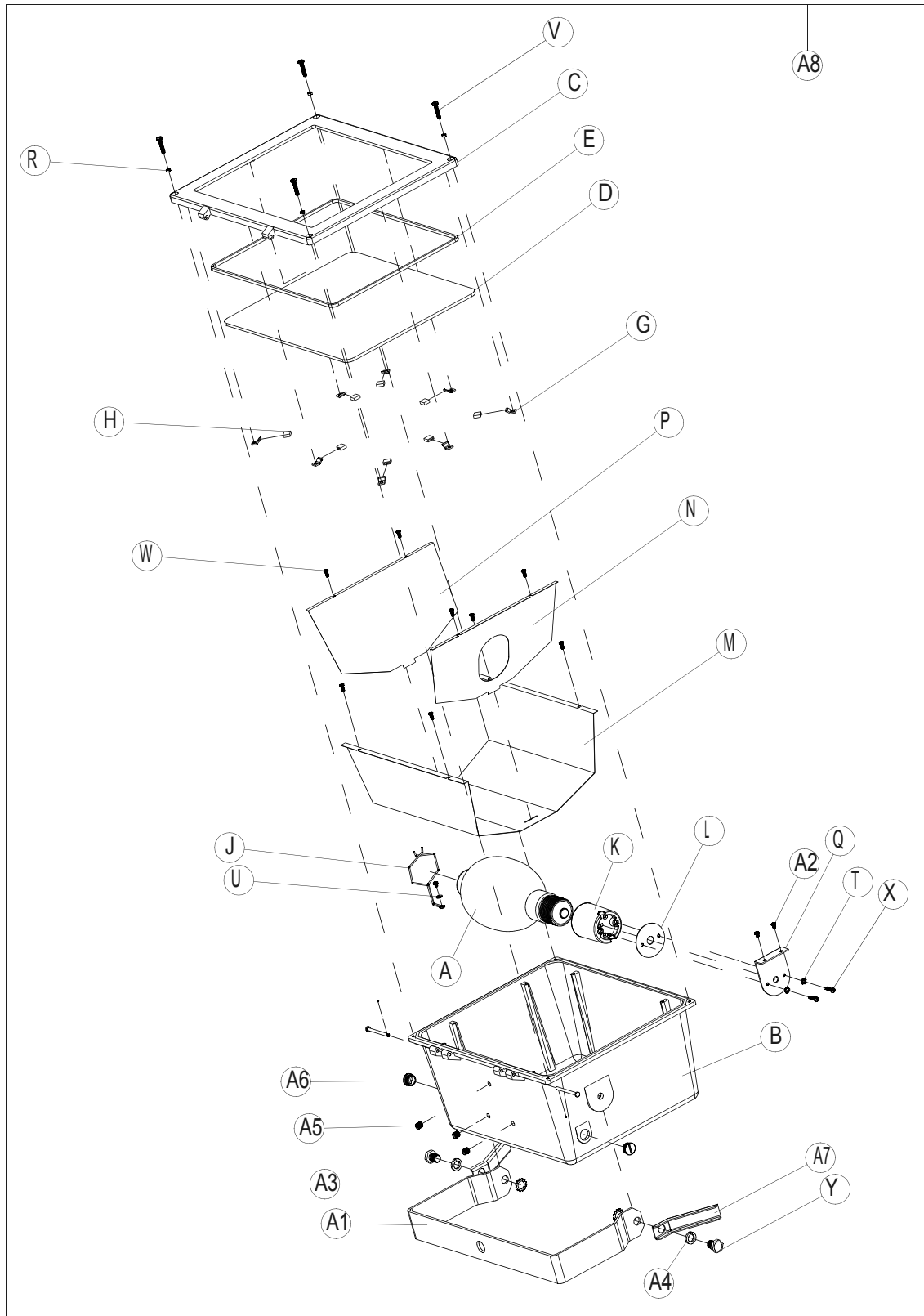


22902458_037_05/06_A

Lamp / Socket Assembly - Prior to S/N: 407952

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22515480	Clamp, Band Assembly	1	18"
B	22515498	Screw	1	8 - 32 X 1 1/4"
C	22515506	Nutsert	1	8 - 32
D	22515514	Clamp, Band Left Angle Bracket	1	
E	22515522	Clamp, Band Right Angle Bracket	1	
F	22515530	Gasket, Lens	1	18.5"
G	22515548	Lens, Glass	1	18.5"
H	22515555	Reflector, Dimpled	1	
J	36847747	Lamp, MH	1	1000W
K	22515571	Brace, Lamp	2	
L	22515589	Gasket, Reflector Housing	1	
M	22515597	Screw	4	10 - 24 X 5/8"
N	22515605	Rivet, Aluminium	2	1/8" X 3/16"
P	22515613	Ring, Reflector	1	
Q	22515621	Screw	2	8 - 32 X 3/8"
R	22515639	Bracket, Socket	1	
S	22515647	Insulator, Lamp Holder	1	
T	22515654	Socket, Mogul	1	
U	22515662	Screw	2	8 - 32 X 7/8"
V	22515670	Plate, Heat Sink	1	
W	22515688	Casting, Aluminium	1	
X	22515696	BLT	2	1/2" - 13 X 1 1/4"
Y	22515704	Handle, Adjustment	2	
Z	22515712	Washer, External Tooth	2	1/2"
A1	22515720	Trunnion, Galvanized	1	
A2	22515738	Washer, Lock	2	
A3	36779346	Cord, Quick Connect	1	54"
A4	22333215	Cord	1	
A5	22515761	Nut, Wire	2	
A6	22515779	Sleeve, Fiberglass	3	3"
A7	22501217	Lamp Assembly, Complete	1	

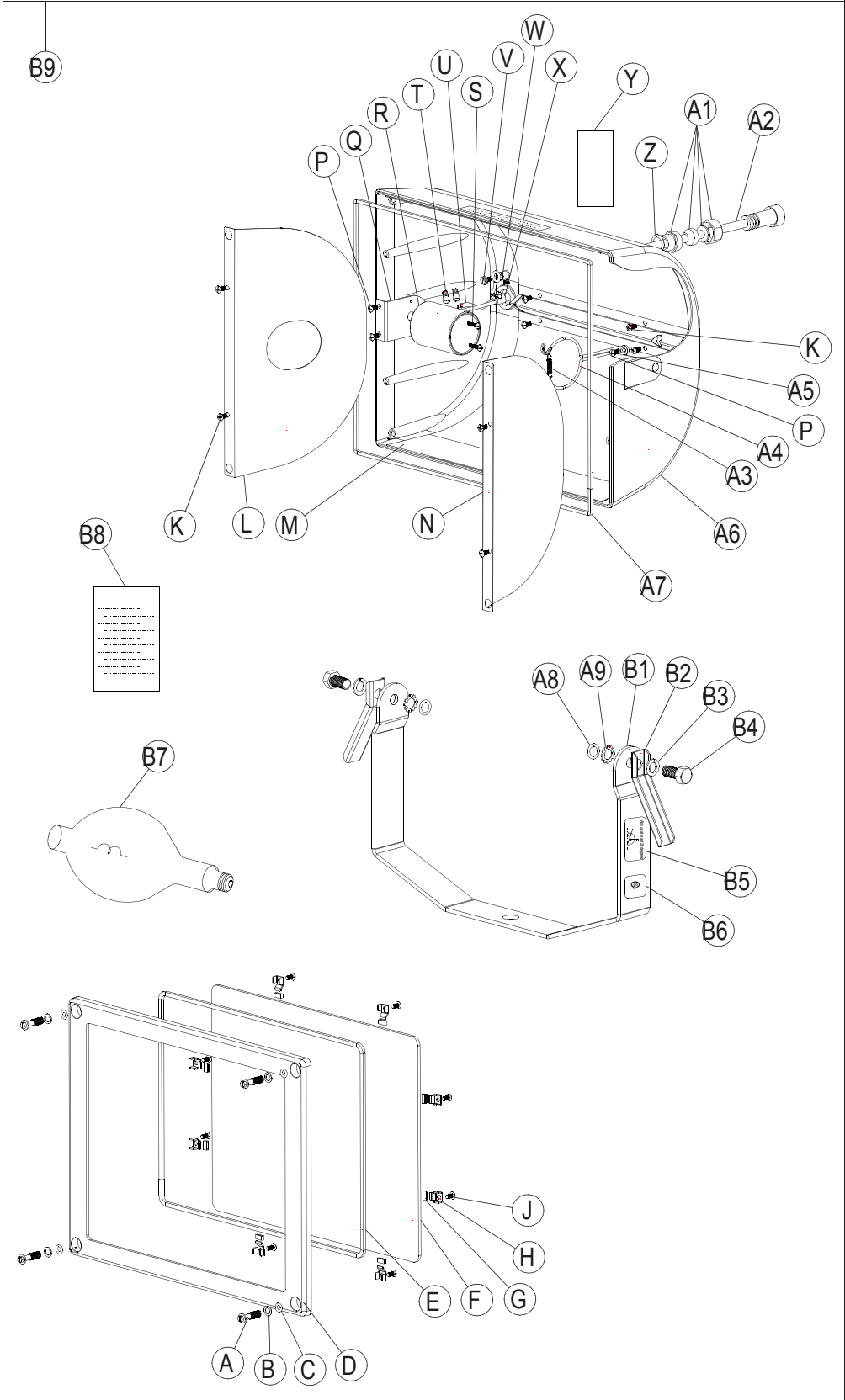
Lamp / Socket Assembly - From S/N: 407952 to 408213



Lamp / Socket Assembly - From S/N: 407952 to 408213

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23084965	Lamp	1	#8
B	23168685	Housing, Base	1	
C	23168693	Frame, Top	1	
D	23168701	Lens, Glass	1	
E	23177348	Gasket, Lens	1	
F	23177355	Gasket, Top Frame	1	
G	23177363	Clip, Lens	8	
H	23177371	Cover, Lens Clip	8	
J	23177389	Brace, Lamp	1	
K	23177397	Socket, Mogul 5kv	1	
L	23177405	Gasket, Mogul Socket	1	
M	23177413	Base, Reflector	1	
N	23177421	Reflector, Lamp Side	1	
P	23177439	Reflector, Side	1	
Q	23177447	Bracket, Socket	1	
R	23177454	Washer, Rubber Frame Top	4	
S	23177470	Pin, Hinge	2	
T	23177553	Washer, Star	3	
U	23177561	Washer, Flat	1	
V	23177587	Screw	4	
W	23177603	Screw	8	
X	23177629	Screw	2	
Y	23177637	Screw	2	
Z	23177645	Screw	1	
A1	23177686	Yoke, Trunnion	1	
A2	23177694	Screw	3	
A3	23177702	Washer, Star	2	
A4	23177710	Washer, Locking	2	
A5	23177728	Screw,	3	
A6	23177736	Screw	2	
A7	23177751	Handle, Adjustment	2	
A8	23084932	Lamp Assembly, Complete	1	

Lamp / Socket Assembly - After S/N: 408213

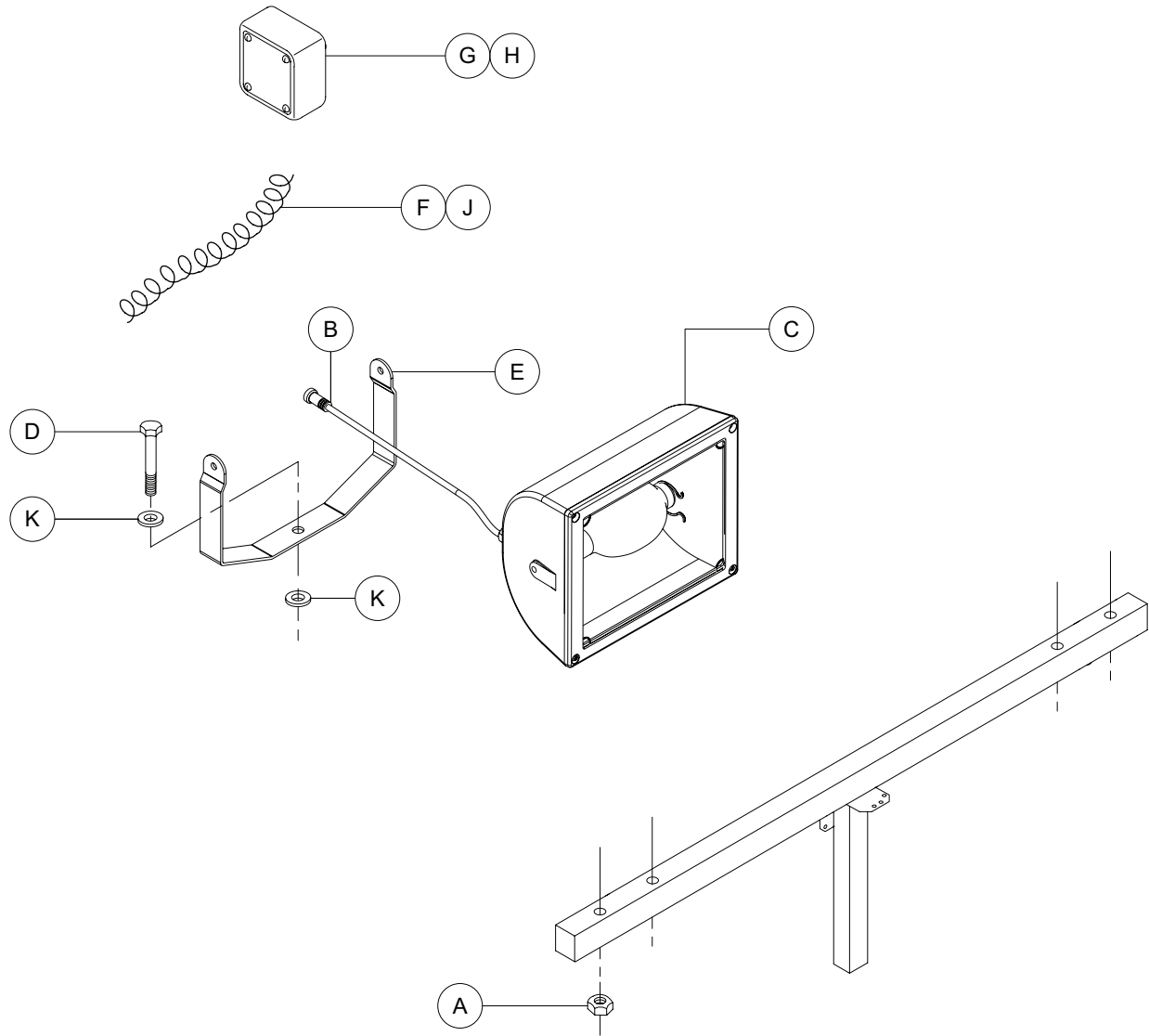


22902458_037_05/06_A

Lamp / Socket Assembly - After S/N: 408213

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46497236	Screw	4	
B	46497228	Washer, Flat	4	
C	46497210	Washer, Rubber	4	
D	46497202	Frame, Top	1	
E	46497194	Gasket, Lens	1	
F	46497186	Lens, Glass	1	
G	23177371	Cover, Lens Clip	8	
H	23177371	Clip, Lens	8	
J	46497178	Screw	8	
K	46497160	Screw	8	
L	46497152	Reflector, Lamp Side	1	
M	46497145	Reflector, Main	1	
N	49497137	Reflector, Side	1	
P	46497129	Screw	3	
Q	46497111	Bracket, Socket	1	
R	23177397	Socket, 5kv	1	
S	46497103	Screw	2	
T	46497095	Connector, Wire	2	
U	46497087	Sleeve, Fiberglass	3	
V	46497079	Screw	1	
W	46497061	Washer, Star	1	
X	46497053	Spring, Strain Relief	1	
Y	46497046	Pad, Insulation	1	
Z	46497038	Gasket, Insulated Pad	1	
A1	46497020	Joint, Threaded, W/Bushing, Ring and Nut	1	
A2	46497012	Cable	1	
A3	46497004	Spring, Lamp	1	
A4	46496998	Brace, Lamp	1	
A5	46496980	Washer, Flat	1	
A6	46496972	Housing, Base	1	
A7	46496964	Gasket, Top Frame	1	
A8	46496956	Washer, Rubber	2	
A9	23177702	Washer, Star	2	
B1	46496949	Yoke, Trunion	1	
B2	23177751	Handle, Adjustment	1	
B3	23177710	Washer, Spring	2	
B4	23177694	Screw	2	
B5	46496931	Label, Aiming	1	
B6	46497657	Decal, CSA/UL Approval	1	
B7	23084965	Lamp, 1000W	1	
B8	46496923	Sheet, Instruction, Flood Lamp	1	
B9	46496907	Lamp Assembly, Complete	1	

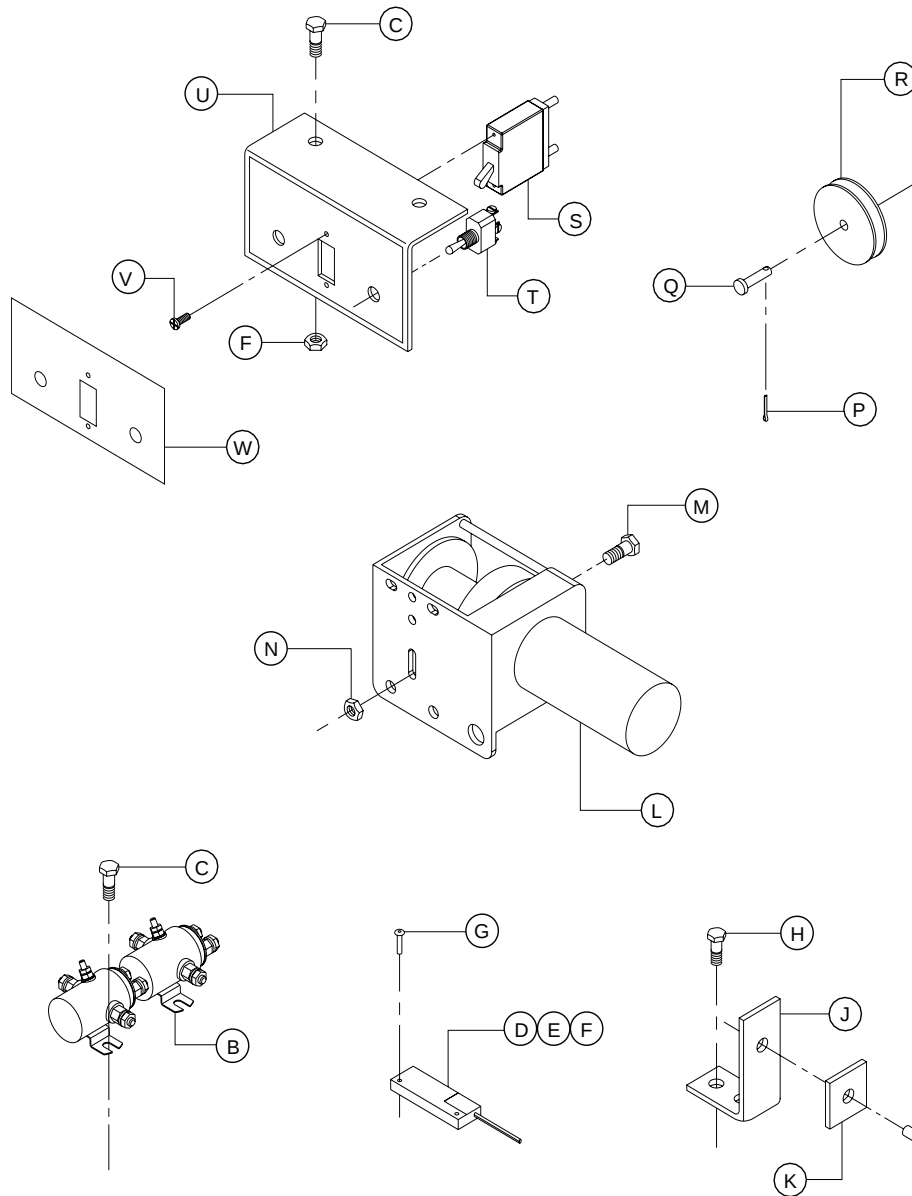
Lights and Mounting



22902458_024_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923363	Nut	1	3/4" - 10
B	36779346	Cord with Plug (Not Shown)	1	
C	REF	Lamp Assembly	4	3/4" - 10 X 4"
D	95995478	Screw	4	
E	REF	Trunnion	1	
F	22333215	Cord	1	
G	36885838	Box, Junction	1	
H	36885945	Cover	1	
J	36779346	Cord, 3-Wire (Junction Box)	4	
K	95935011	Washer	2	3/4"

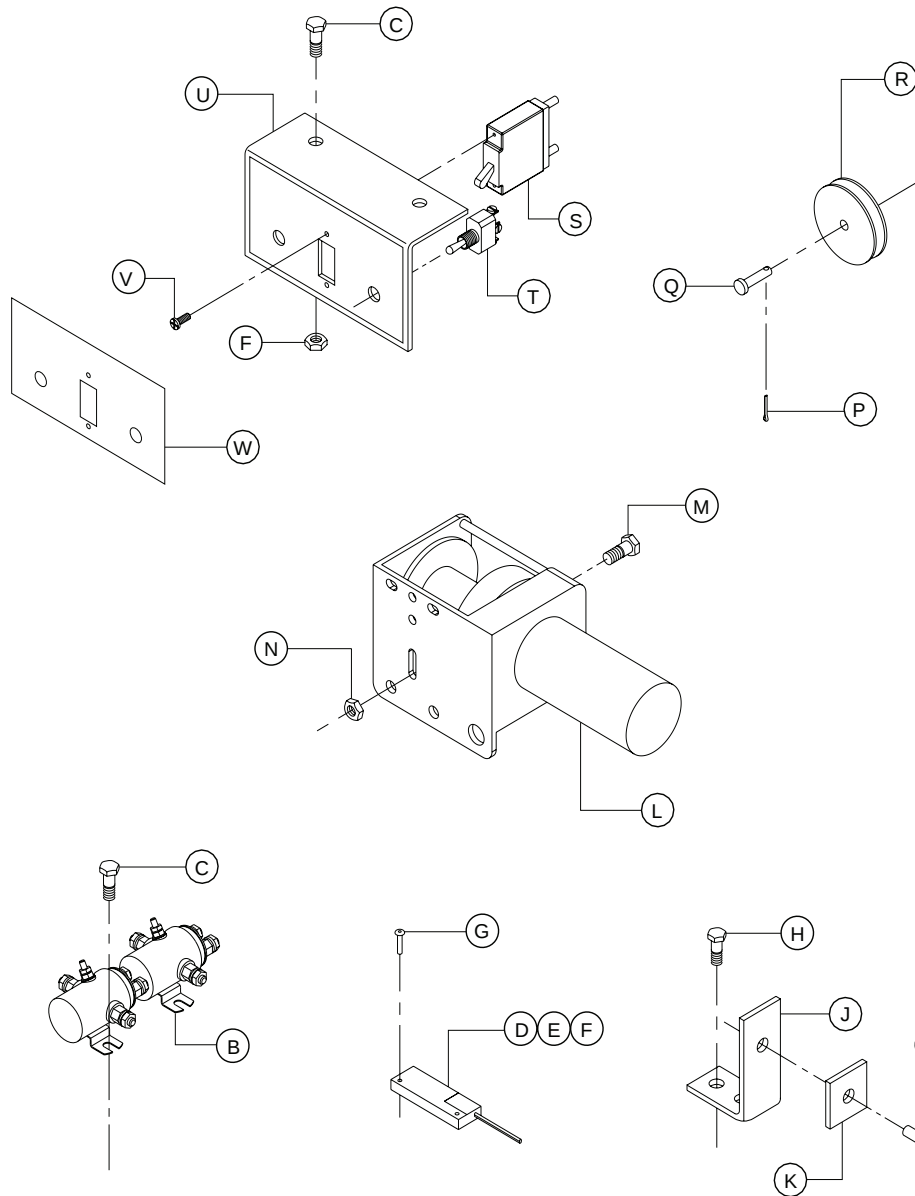
Electric Winch Assembly



22902458_039_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881548	Bracket, Solenoid Mounting	1	M6 - 1.0 X 20
B	22451702	Relay, Electric Winch (2 Per Winch)	4	
C	36898096	Screw	4	
D	36876803	Sensor, Proximity	2	
E	36769503	Terminal	4	M6 - 1.0
F	36898104	Nut, Hex	4	
G	95962734	Rivet	6	
H	35300771	Screw	2	
J	54418306	Bracket, Magnet	1	M6 - 1.0 X 20
K	36876746	Sensor, Magnet	1	
				Continued.....

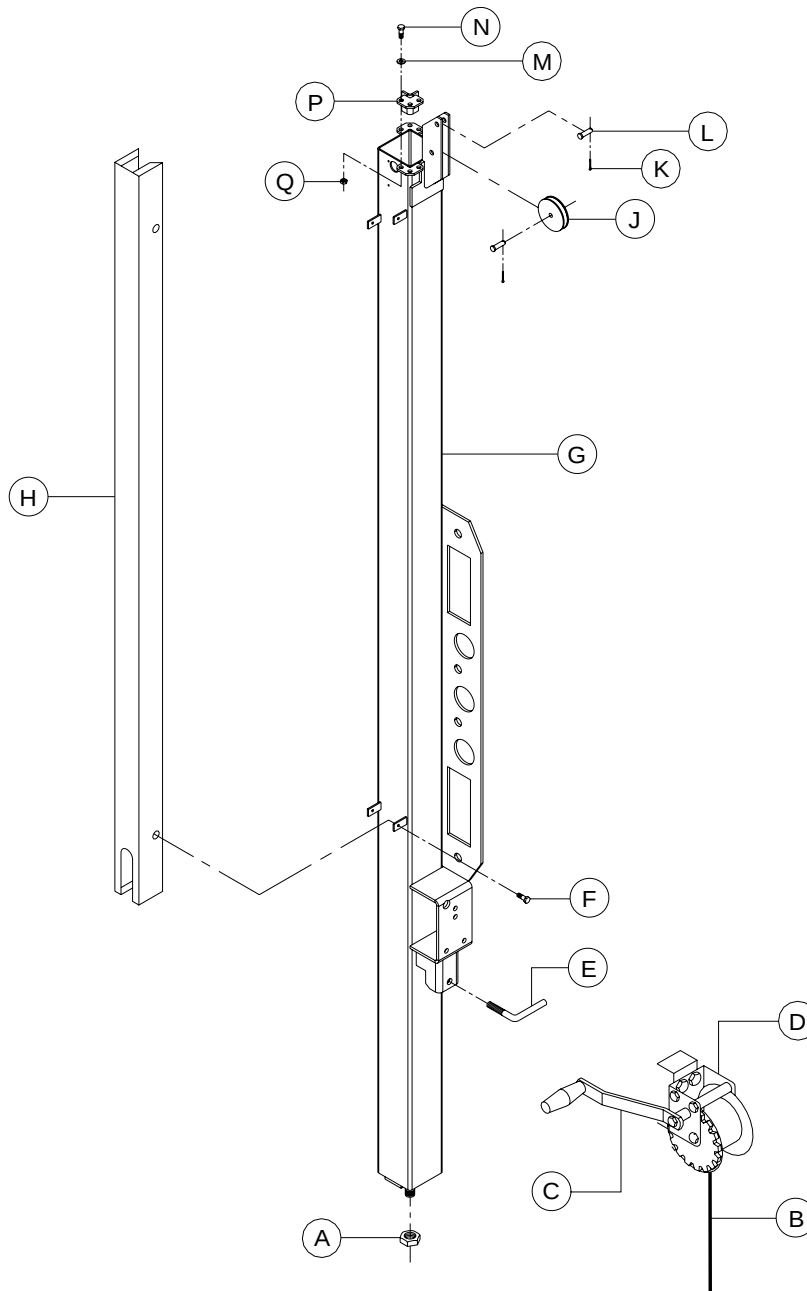
Electric Winch Assembly



22902458_040_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	36878056	Winch, 12 Volt (Mount 1 ea on Drawbar & Tower)	2	 Continued
M	36889608	Screw	6	M8 - 1.25 X 25
N	36881886	Nut	6	M8 - 1.25
P	95928867	Pin, Cotter	1	
Q	36869246	Pin, Clevis	1	
R	36783009	Pulley	1	
S	36850402	Breaker, 70amp Circuit	1	
T	36794204	Switch, Toggle	2	
U	54413885	Bracket, Winch Switch	1	
V	95942496	Screw	2	#6 - 32 X 0.188
W	54412804	Decal, Electric Winch	2	
X	36888774	Harness, Electric Winch (Not Shown)	1	

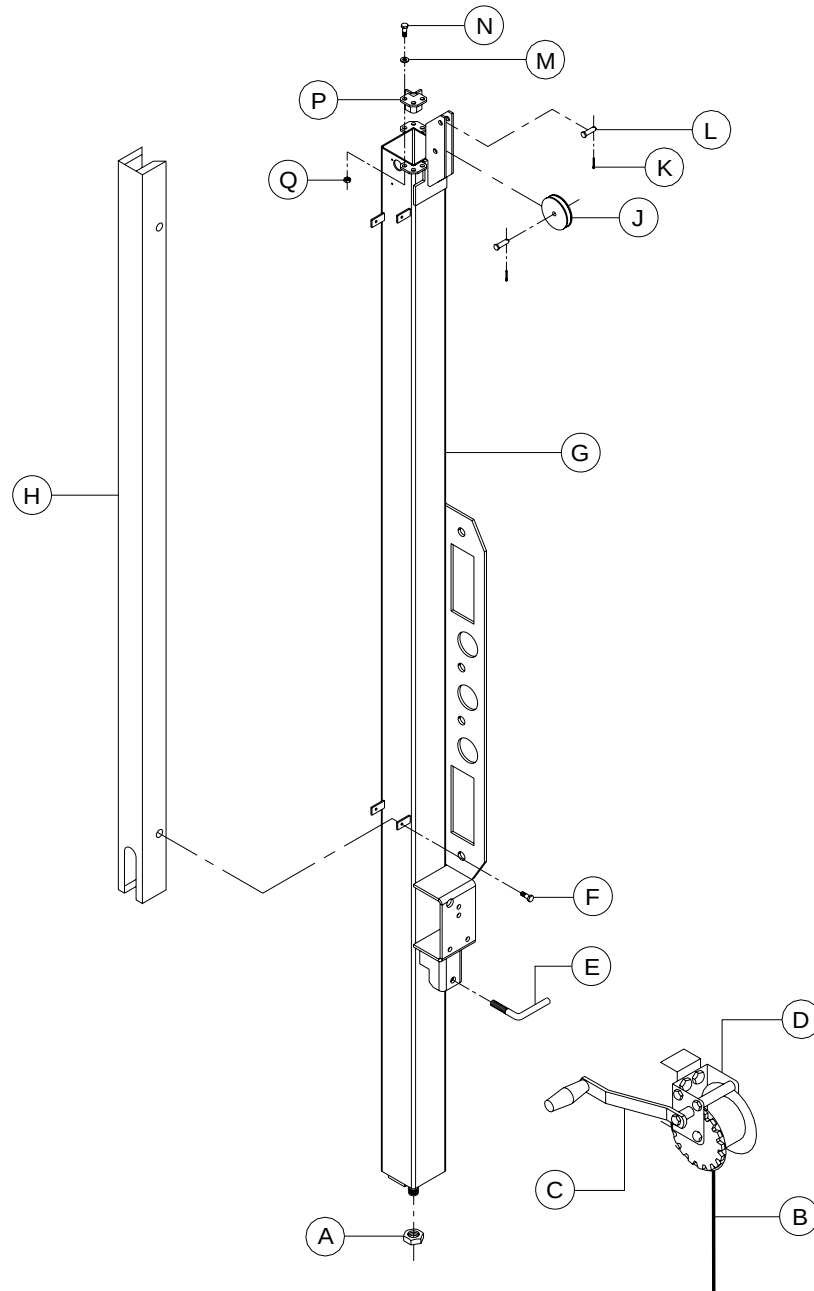
Bottom Tower Assembly



22902458_041_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881886	Nut	1	Continued.....
B	36876225	Cable (5460mm)	1	
C	36923662	Handle, Winch	1	
D	36923654	Winch, Manual	1	
E	54370754	L-Bolt	1	
F	92368687	Screw	4	
G	22348825	Bottom Tower Assembly	1	

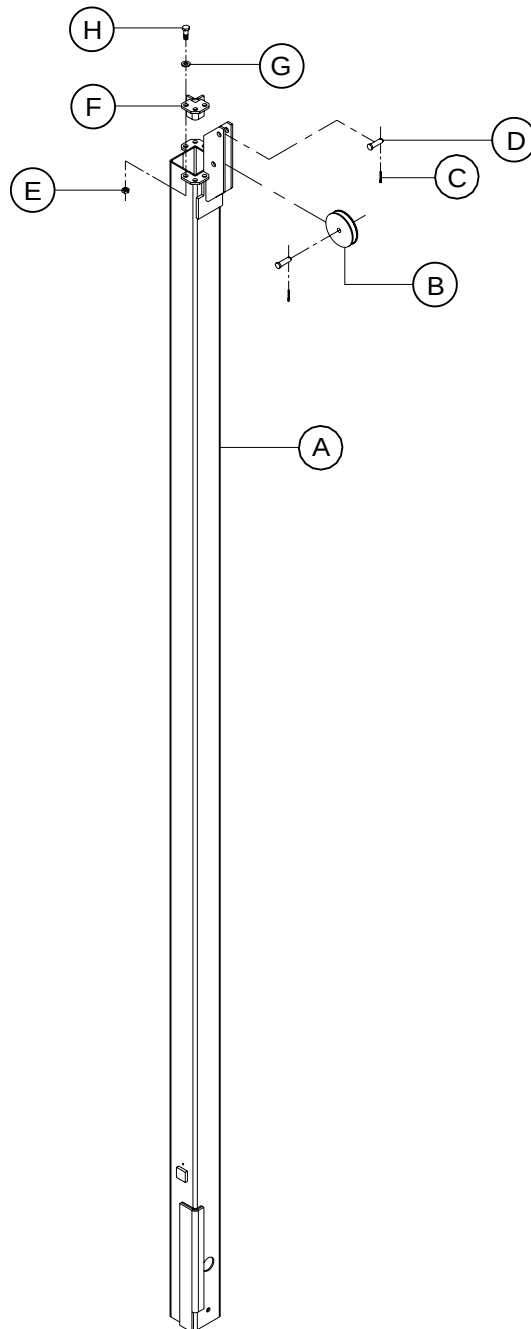
Bottom Tower Assembly



22902458_042_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
H	22335053	Shroud, Wire	1	Continued
J	36783009	Pulley	1	
K	95928867	Pin, Cotter	1	
L	36783868	Pin, Clevis	1	
M	95934998	Washer	4	
N	96702659	Screw	4	
P	22284079	Slide, Tower	2	
Q	36769743	Nut	4	

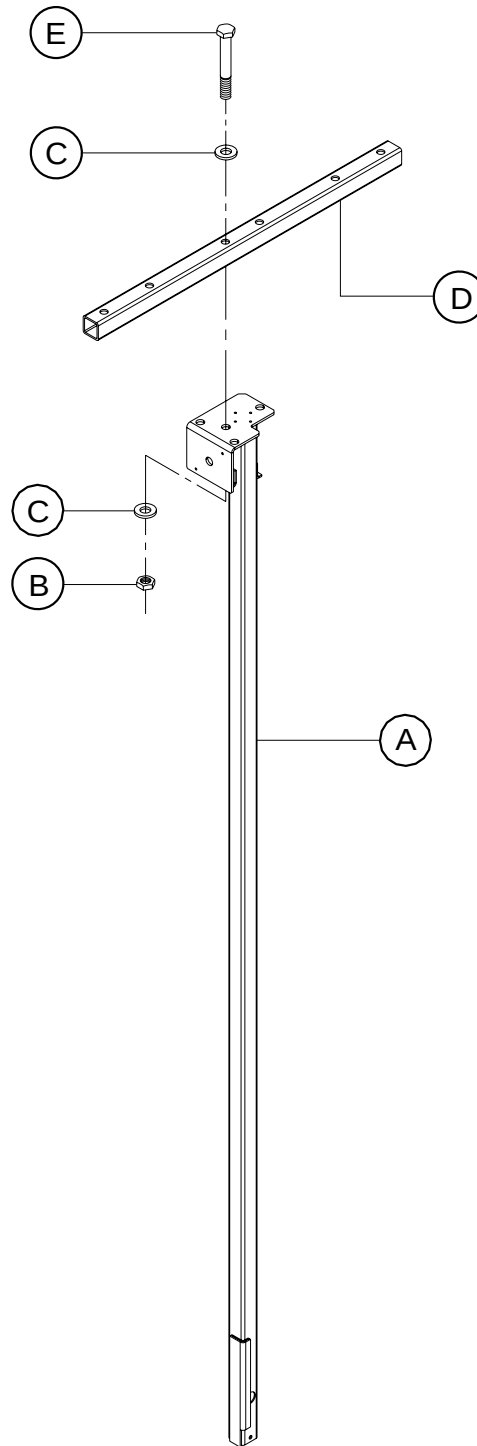
Middle Tower Assembly



22902458_043_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22284087	Middle Tower Assembly	1	
B	36783009	Pulley	1	
C	95928867	Pin, Cotter	1	
D	36783868	Pin, Clevis	1	
E	36769743	Nut	4	
F	22284079	Slide, Tower	2	
G	95934998	Washer	4	
H	96702659	Screw	4	

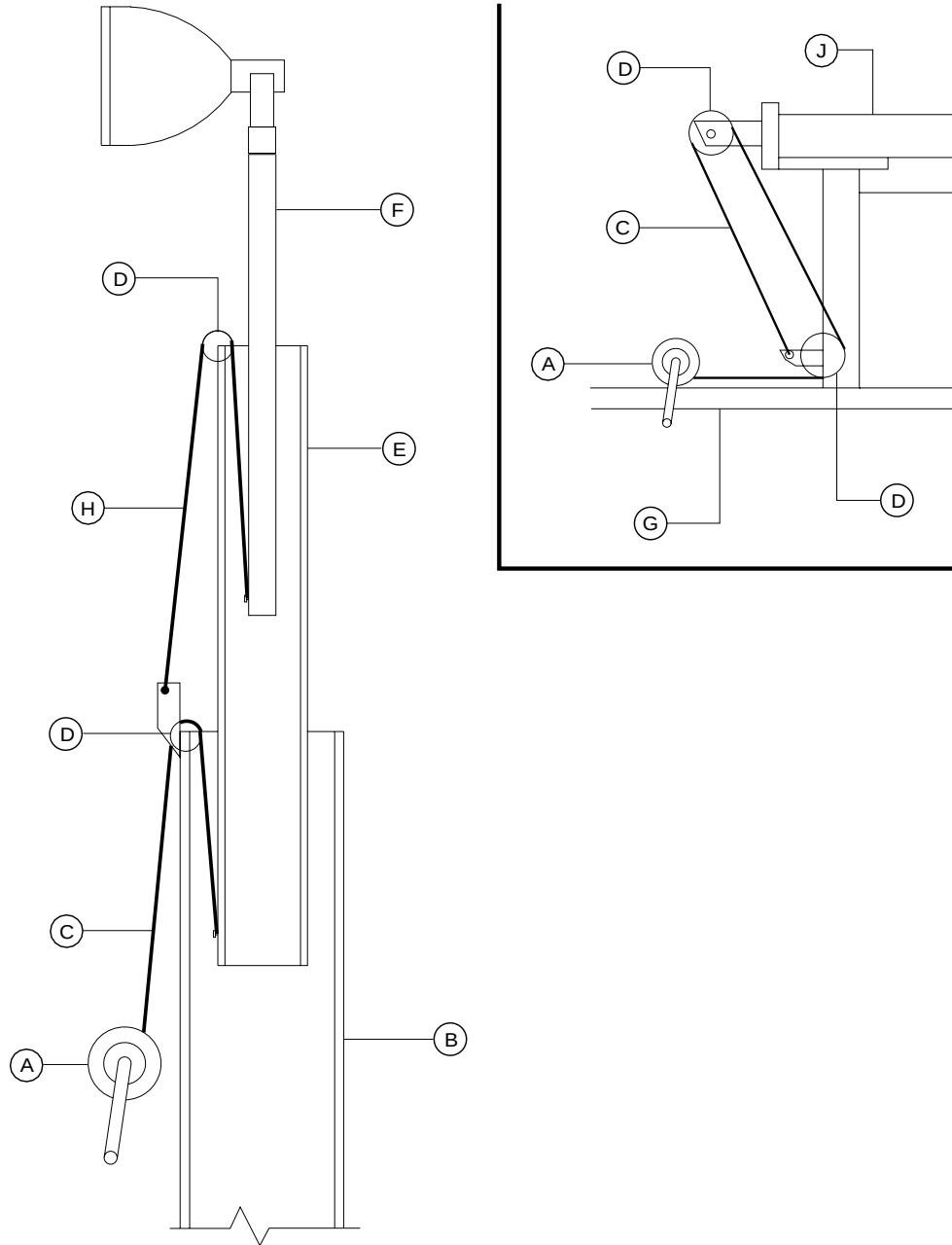
Top Tower Assembly



22902458_044_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22284111	Top Tower Assembly	1	
B	95923363	Nut, Locking	2	
C	95935011	Washer	4	
D	22284103	Crossbar	1	
E	95995478	Screw	2	

Cable Routing



22902458_045_05/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923654	Winch, Manual	1	
B	REF	Bottom Tube Assembly	1	
C	REF	Cable (5460 mm)	1	
D	REF	Pulley	5	
E	REF	Middle Tube Assembly	1	
F	REF	Top Tube Assembly	1	
G	REF	Drawbar	1	
H	36868545	Cable (3430)	1	
J	REF	Tower Assembly	1	

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
15908098	20	22515779	39	23177397	41
22144521	9	22743843	32	.....	43
22173561	19	22809313	15	23177405	41
22246268	10	22810618	15	23177413	41
22246797	24	22819007	13	23177421	41
22253470	30	22819023	14	23177439	41
22258446	17	22819031	13	23177447	41
22260905	23	22876379	10	23177454	41
22262315	23	22884977	11	23177470	41
22267579	29	22884985	11	23177553	41
22284079	48	22884993	11	23177561	41
.....	49	22885008	12	23177587	41
22284087	49	22885016	12	23177603	41
22284103	50	22885024	12	23177629	41
22284111	50	22885032	11	23177637	41
22333215	39	22885040	12	23177645	41
.....	44	22885057	11	23177686	41
22335053	48	22885065	11	23177694	41
22348825	47	22885073	11	.....	43
22369052	29	22885081	12	23177702	41
22382949	10	22885099	11	.....	43
22389373	13	22885107	11	23177710	41
22389381	13	22885115	11	.....	43
22439889	18	22885123	11	23177728	41
22439897	18	22885156	12	23177736	41
22451702	45	22888291	12	23177751	41
22471114	32	22888309	12	.....	43
22501217	6	22891790	14	23241045	32
.....	39	22891808	14	23276052	16
22515480	39	22891816	14	23278906	16
22515498	39	22891824	14	23278914	16
22515506	39	22891832	14	23278922	16
22515514	39	22891840	14	23278930	16
22515522	39	22891857	14	23278948	16
22515530	39	22986517	20	23278955	16
22515548	39	22988885	20	23278963	16
22515555	39	23083405	20	23278971	16
22515571	39	23084338	20	23278989	16
22515589	39	23084932	6	23278997	16
22515597	39	.....	41	23279003	16
22515605	39	23084965	41	23279011	16
22515613	39	.....	43	23279029	16
22515621	39	23137276	7	23279037	16
22515639	39	.....	30	23279045	16
22515647	39	23137284	29	23279060	16
22515654	39	23168685	41	23350549	19
22515662	39	23168693	41	35179025	18
22515670	39	23168701	41	35225077	17
22515688	39	23173198	18	35271170	27
22515696	39	23177348	41	35273366	13
22515704	39	23177355	41	.....	15
22515712	39	23177363	41	.....	17
22515720	39	23177371	41	.....	18
22515738	39	.....	43		
22515753	13	23177389	41		
22515761	39				

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
35279025	10	36786457	25	36883791	26
.....	13	36787398	9	36883825	25
.....	15	36792828	22	36884948	6
.....	17	36794170	28	.....	18
.....	23	36794204	46	36885549	27
.....	26	36796068	10	36885564	22
.....	28	36797652	26	36885614	27
.....	30	36841245	25	36885697	28
35282078	23	36843282	28	36885838	44
35282565	10	.....	29	36885945	44
35292986	10	36844975	24	36888170	19
35296342	18	36845493	22	36888451	20
.....	22	36847747	39	36888469	20
35300771	30	36848224	10	36888477	20
.....	45	36848752	25	36888485	20
35304047	8	36850402	46	36888493	20
35315274	11	36853257	24	36888501	19
35337435	25	36853265	24	36888683	26
35361849	22	36868479	19	36888774	46
35363498	18	36868545	51	36888915	13
.....	22	36868727	17	.....	15
35370469	8	36869246	27	36889608	9
35371772	25	.....	46	.....	23
35371798	25	36869253	27	.....	46
35376094	8	36870020	7	36890135	19
35384577	22	.....	28	36892685	24
35384593	23	36870566	19	36898096	17
35385111	22	.....	23	.....	21
35385533	25	36870574	19	.....	45
35392307	23	36871614	17	36898104	17
35516582	24	36875565	13	.....	21
35578194	24	.....	15	.....	29
35605187	8	.....	17	.....	45
35607829	30	36875953	25	36899037	13
35607837	30	36876225	47	.....	15
36073542	6	36876746	45	.....	17
.....	10	36876803	45	36923050	26
36509073	8	36877579	7	36923068	26
36524304	31	.....	29	36923076	26
36524353	31	36878056	46	36923084	25
36529824	32	36878361	26	36923134	30
36531564	32	36878379	19	36923142	29
36534667	31	36879195	28	36923167	29
36769503	45	.....	30	36923175	29
36769743	48	36880995	28	36923183	6
.....	49	.....	30	.....	29
36772028	30	36881100	6	36923209	29
36779346	39	.....	22	36923225	29
.....	44	36881548	45	36923233	29
36783009	27	36881886	9	36923241	8
.....	46	.....	18	36923258	27
.....	48	.....	21	36923266	7
.....	49	.....	23	.....	9
36783868	48	.....	28	36923274	23
.....	49	.....	46	36923282	24
36786218	27	.....	47	36923290	8

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
36923407	6	46546461	18	95935011	28
.....	10	46547295	21	.....	44
36923415	9	46548152	21	.....	50
36923654	6	46548715	21	95935060	9
.....	9	46551868	18	95942496	46
.....	47	46553988	18	95953998	9
.....	51	46553992	19	95962734	45
36923662	7	49497137	43	95995478	44
.....	10	54369806	31	.....	50
.....	47	54369814	31	96701750	8
44004539	19	54370754	47	96702659	48
46492542	32	54399506	8	.....	49
46492559	32	54412804	46	96721527	9
46496907	6	54413885	46	96721550	9
.....	43	54418306	45	96727896	9
46496923	43	54462353	7	96730411	13
46496931	43	.....	25	.....	15
46496949	43	54518758	6	.....	17
46496956	43	.....	8	96739313	29
46496964	43	54568753	31	REF	44
46496972	43	54568761	32	.....	51
46496980	43	54568779	32		
46496998	43	54568787	31		
46497004	43	54568803	31		
46497012	43	54604913	31		
46497020	43	54604921	31		
46497038	43	54604947	31		
46497046	43	54604962	31		
46497053	43	54605027	31		
46497061	43	54625207	32		
46497079	43	54627617	30		
46497087	43	54630033	31		
46497095	43	92368687	10		
46497103	43	.....	18		
46497111	43	.....	21		
46497129	43	.....	29		
46497145	43	.....	47		
46497152	43	92398130	21		
46497160	43	95067864	13		
46497178	43	.....	15		
46497186	43	95916532	22		
46497194	43	95920674	13		
46497202	43	.....	15		
46497210	43	95923298	24		
46497228	43	.....	30		
46497236	43	95923363	44		
46497400	32	.....	50		
46497657	43	95928321	28		
46541504	18	95928867	27		
46541561	21	.....	46		
46541579	21	.....	48		
46542171	21	.....	49		
46542270	32	95934998	48		
46543104	16	.....	49		
46545695	21	95935003	8		
46546032	21				

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE

WORD INDEX

A

Alternator	19
Angle	24

B

Ballast	26
Band	
Closing	16
Base	
Reflector	41
Battery 1000CCA (Optional)	24
Battery 600CCA	24
Beam	
Axle	11
Bearing	
NDE	14
Rear	16
Block	
Terminal	14
BLT	39
Board	
Terminal (Not Shown)	16
Bolt	
Cover Stay	16
Front	12
Rotor	14
Bottle	
Coolant	6, 18
Bottom Tower Assembly	47
Bottom Tube Assembly	51
Box	
Ballast	26
Junction	44
Brace	
Lamp	39, 41, 43
Bracket	
Ballast Box	26
Capacitor	26
Coupler 3 Position	8
DE	16
Door Bolt	30
Engine Mount	18
Filter	23
Magnet	45
Mounting	17
NDE	16
Radiator	21
Radiator Guard	21
Socket	39, 41, 43
Solenoid Mounting	45
Support	10
Winch Switch	46
Breaker	
70amp Circuit	46
Circuit	25

C

Cable	43
Negative	24
Pin	27
Positive	24
Cable (3430)	51
Cable (5460 mm)	51
Cable (5460mm)	47
Cap	
End	14
Fuel Tank	22
Radiator	20, 21
Radiator (for Aluminum Radiator)	20
Capacitor	14, 16, 26
Casting	
Aluminium	39
Chain & Hook Assembly	9
Clamp	
Band Assembly	39
Band Left Angle Bracket	39
Band Right Angle Bracket	39
Hose	21
Support	17
Clip	
Lens	41, 43
Cone	
Bearing Inner	11
Bearing Outer	12
Connector	
Strain Relief	13
Strain Relief (Not Shown)	15
Wire	43
Cord	39, 44
3-Wire (Junction Box)	44
Quick Connect	39
Cord with Plug (Not Shown)	44
Coupler	6, 8
3 Position	8
Cover	
Control Panel	25
Lens Clip	41, 43
Top	14
Top (Not Shown)	16
Crossbar	50
Cup	
Bearing Inner	12
Bearing Outer	12

WORD INDEX

D

Decal	
3 Part Warning	32
Ball Hitch	31
Collapsing Jack Stand	31
Combustible Gas	31
CSA/UL Approval	43
Doosan 8" Logo	32
Electric Winch	46
Engine Wiring Diagram	31
General Data	31
Hazardous Voltage	31
Hot Pressurized Fluid	32
Improper Operation	31
IR Logo 22"	32
IR Logo 24"	32
ISO Diesel Fuel	32
Lifting Instructions	32
Lightsource Model Number	32
Line Up Arrows	31
Operating Instructions	31
Panel	7, 25
Radiator Hot Fill	31
Rotating Fan	32
Standard Straight	31
Tire Load	32
Tower Operating Instructions	32
Towing Notice	31
Ultra Violet Radiation	31
VIN	32
Decal. Generator Wiring Diagram	31
Diodes	16
Door	6, 29
Drawbar	7, 9, 51

E

Elbow	
Barbed	23
Element	
Air Filter	19
Engine	
Kubota Tier 2	18
Kubota Tier 4	18
Engine Fan	19
Eyebolt	30

F

Fan	14, 16
Fan Belt	20
Fender	7, 29
Filter	
Engine Air Complete	19
Engine Fuel	19, 23
Engine Oil	19
Inline	22
Flange	
Interchangeable	16

Frame	29
Top	41, 43
Fuel Tank Pipe Assembly	23

G

Gasket	
Insulated Pad	43
Lens	39, 41, 43
Mogul Socket	41
Reflector Housing	39
Top Frame	41, 43
Generator	13, 15
Guard	
Door Edge	30
Fan	17
Radiator	21

H

Handle	
Adjustment	39, 41, 43
Winch	7, 10, 47
Harness	
Electric Winch (Not Shown)	46
Engine	19
Hinge	29
Hitch	
Dual	
Standard	8
Hook	
lifting	16
Hose	
Radiator - Lower	21
Radiator - Upper	21
Hourmeter	25
Housing	
Base	41, 43
Hub Assembly	11

I

Instructions	13
Insulator	
Lamp Holder	39
Isolator	
250 lb	13, 15, 17

J

Jack	
Outrigger	6, 10
Jack Assembly	9
J-Bolt	24
Joint	
Threaded	
W/Bushing	
Ring and Nut	43

WORD INDEX

K

Key	25
Kit	
Capacitor 22.5 uF	13
Diode	14
Solenoid	19

L

Label	
Aiming	43
Lamp	41
1000W	43
MH	39
Lamp Assembly	44
Complete	39, 41, 43
L-Bolt	47
Lens	
Glass	39, 41, 43
Level	9
Light	
Low Fuel (Not Shown)	25

M

Middle Tower Assembly	49
Middle Tube Assembly	51
Muffler	17

N

Nut	
Cable Gland	16
Hex	45
Locking	50
Spindle	11
Top Lock	12
U-Bolt	11
Wheel	11
Wire	39
Nut (2 per Screw)	8
Nut (L.H. Fender only)	29
Nutsert	39

O

Optical Assembly	6
------------------------	---

P

Pad	
Insulation	43
Panel	
Front	29
L.H. Side	29
R.H. Side (After S/N	
388770)	29
R.H. Side (Prior to S/N	
388770)	29
Rear	29
Parts Not Illustrated	13, 14, 19, 20

Parts not Illustrated	23
Parts Ordering	3
Pin	7, 10, 27, 28
Clevis	27, 46, 48, 49
Cotter	11, 27, 46, 48, 49
Hinge	41
Spring	28
Pintle	
3 Position	8
Plate	
Heat Sink	39
Tie	11
Plates	
Disc Ring	16
Pulley	27, 46, 48, 49, 51

R

Radiator	20
Aluminum	20
Radiator Assy	21
Radiator Bottom Hose	20
Radiator Top Hose	20
Receptacle	25
Twist-LOC	25
Reflector	
Lamp Side	41, 43
Main	43
Side	41, 43
Relay	26
Electric Winch (2 Per Winch)	45
Relay - Serial Code	
D98	26
Relfector	
Dimpled	39
Relief	
Strain	13
Rest	
Tower	28
Ring	
Reflector	39
Rivet	
Aluminium	39
Roof	29
Rotor Assembly	16
Running Gear	10

S

Screw	
	41
Tapping	26, 28
Tapping - Serial Code	
D98	26
Tapping (R.H. Fender only)	29
Screw (After S/N	
384249)	30
384829)	9
Screw (Fan to Guard)	18

WORD INDEX

Screw (L.H. Fender only)	29	Switch	19
Screw (Prior to S/N		Key	25
384249)	30	Toggle	25, 46
384829)	9	Water Temp.	19
Seal		T	
Grease	11	Tank	
Rear	16	Fuel	6, 22
Sensor		Terminal	45
Magnet	45	Tire	10
Proximity	45	Tire & Wheel Assembly	6, 10
Shackle	12	Top Tower Assembly	50
Sheet		Top Tube Assembly	51
Instruction		Tower Assembly	51
Flood Lamp	43	Trunnion	44
Shield		Galvanized	39
Heat	7	Tube	
Heat (After S/N		Mounting	10
388717)	30		
Heat (Prior to S/N		W	
388717)	30	Washer . . . 8, 12, 13, 15, 17, 18, 28, 44, 48, 49, 50	
Shroud		External Tooth	39
Wire	48	Flat	41, 43
Sleeve		Lock	39
Fiberglass	39	Locking	41
Sleve		Nylon	30
Fiberglass	43	Plastic	24
Slide		Rubber	43
Tower	48, 49	Rubber Frame Top	41
Socket		Spring	43
5kv	43	Star	41, 43
Mogul	39	Wheel	10
Mogul 5kv	41	Winch	6
Spring		12 Volt (Mount 1 ea on Drawbar & Tower) . . .	46
Double Eye	11	Manual	9, 47, 51
Flat	27		
Lamp	43	Y	
Strain Relief	43	Yoke	
Starter	20	Trunion	43
Stator		Trunnion	41
Wound	16		
Stem			
Valve	10		
Strain Relief	39		
Strap			
Ground (Not Illustrated)	24		
Top	23		
Vertical	23		
Stud	12		
Wheel	12		
Support			
Diode Heat Sink	16		
Front Panel	29		
Generator	13, 15		
Tower	27		
TowerPivot	27		

Revision History

<u>Rev Level</u>	<u>EC Number</u>	<u>Comments</u>
A	SVC30937	Original Release 10-19-06
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