

PARTS MANUAL



Doosan Infracore
Portable Power

**L6/L8 60HZ (C45, C48, C49,
D88 & D89)
L6/L8 50HZ (B39)**

LIGHT TOWER MODELS

Doosan Infracore Portable Power
1293 Glenway Drive
Statesville, N.C. 28625
www.doosanportablepower.com

Book: 22862387 Revision D (7-10)





Section A - 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.

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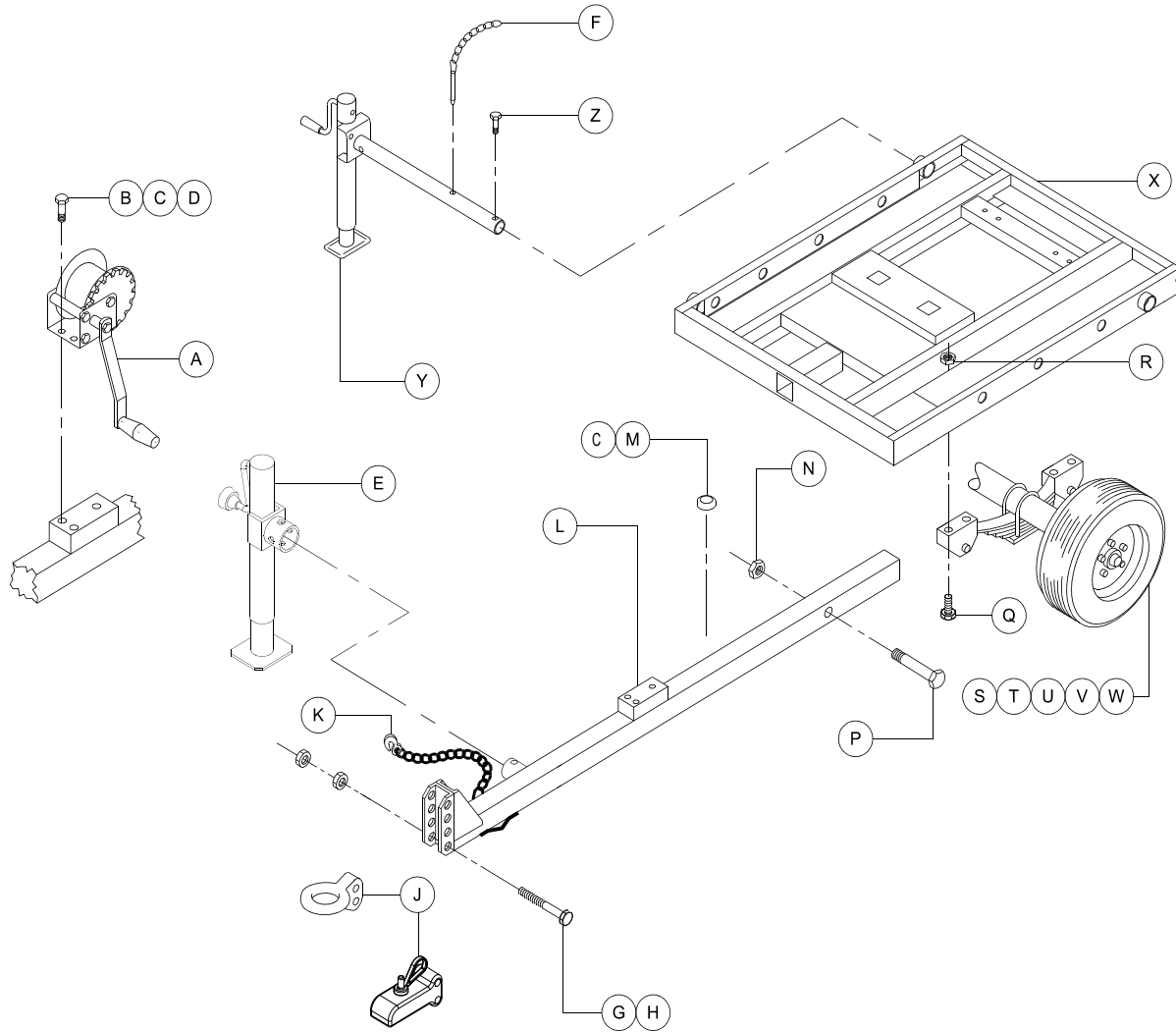
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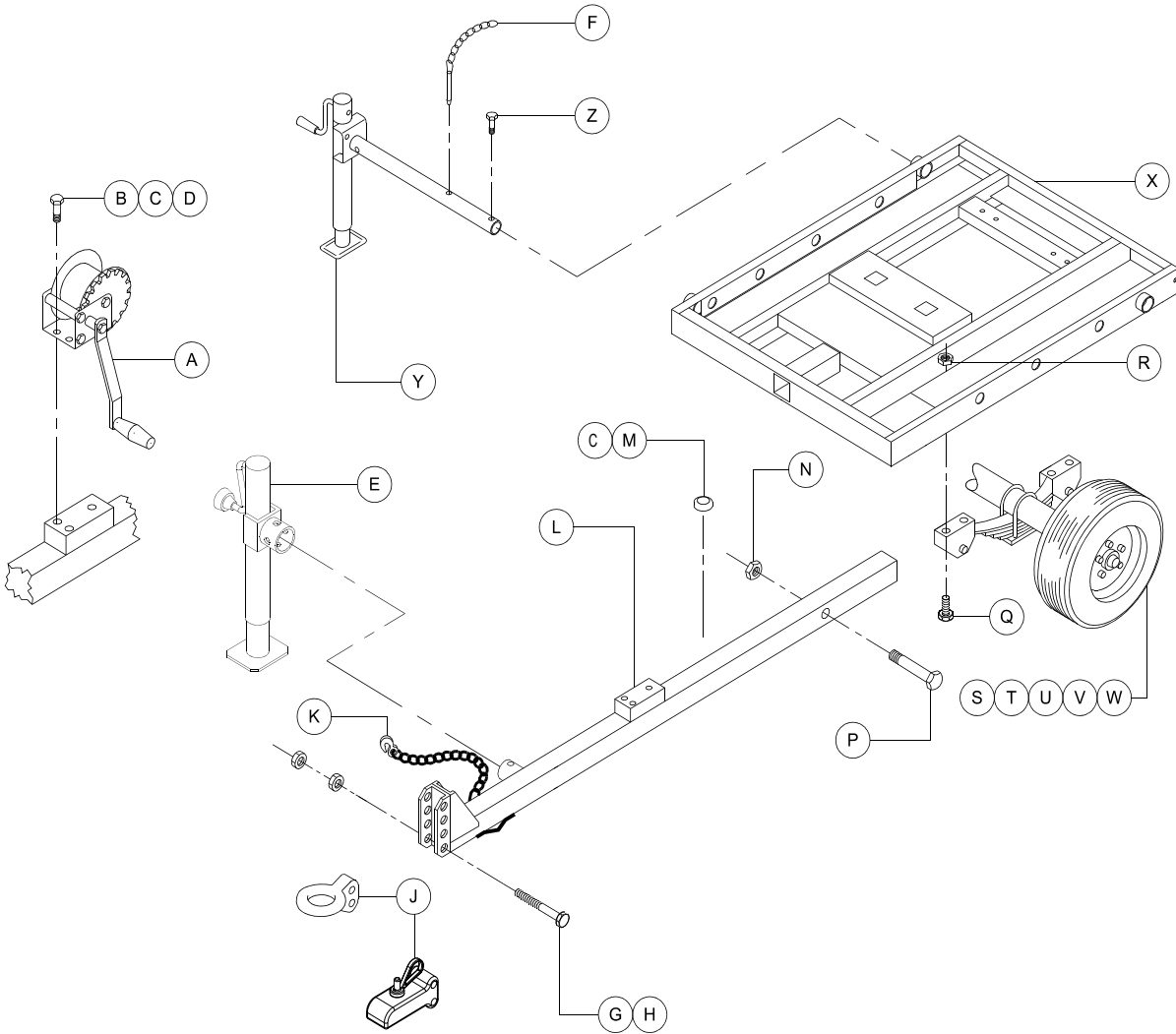
Parts List

Frame And Running Gear



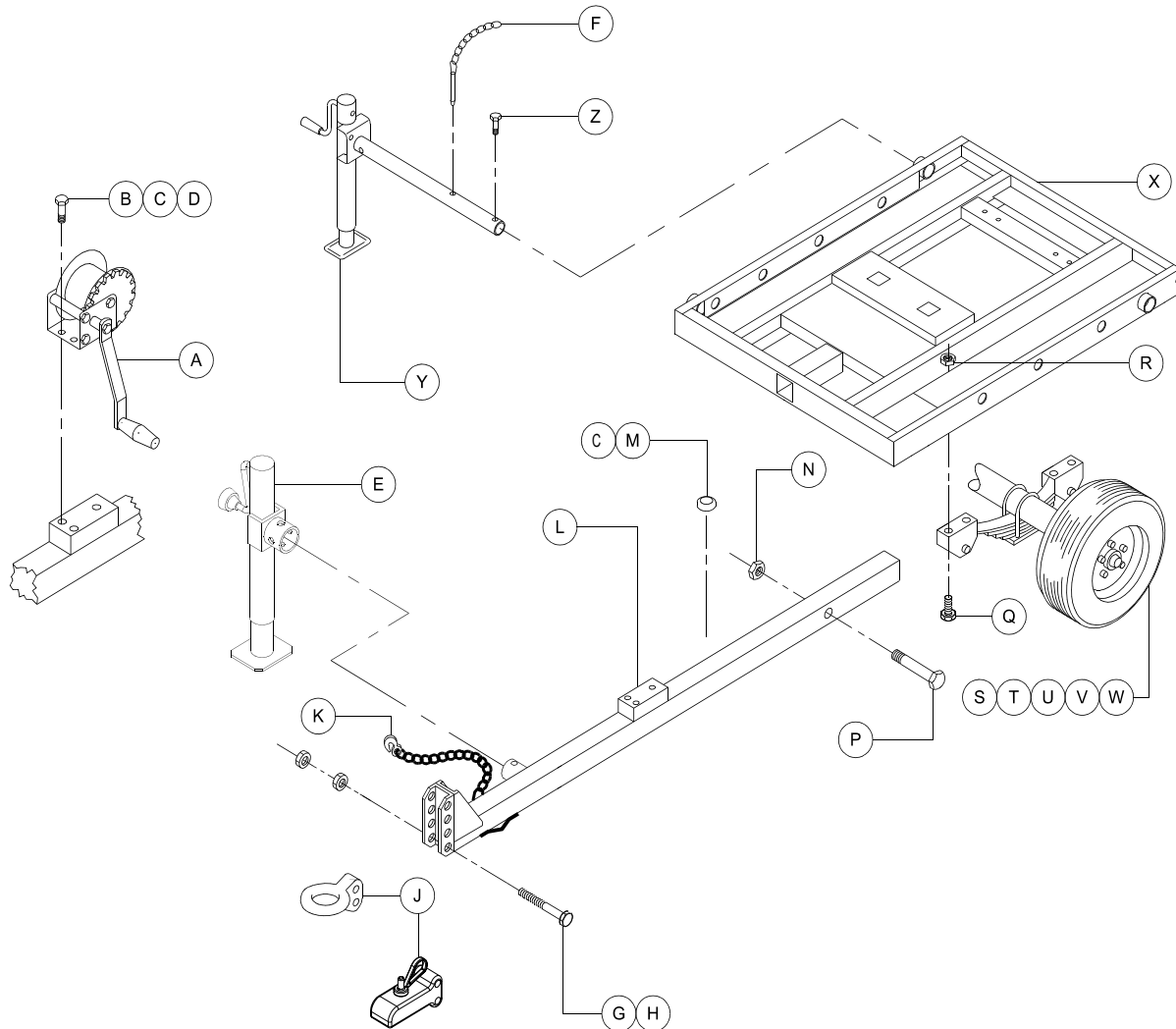
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923654	Winch, Manual	2	
	36923662	Handle, Winch	2	
B	36889608	Screw	6	M8 - 1.25 X 30
C	23031859	Tape, Double sided	1	M8 - 1.25
D	36881886	Nut	6	
E	36923415	Jack, Drawbar	1	M16 - 2.0 X 120 M16 - 2.0
F	36848224	Pin, Outrigger	2	
G	35376094	Screw	2	
H	96701750	Nut	4	
J	35605187	Pintle Eye	1	
	36509073	2" Ball Coupler	1	
	35270469	2-5/16" Ball Coupler	1	
K	22144521	Chain Assembly	1	
	35372432	Link, Coupling	1	
	22347710	Drawbar, Standard	1	
L	22690234	Drawbar, Adjustable Height	1	Continued.....

Frame And Running Gear



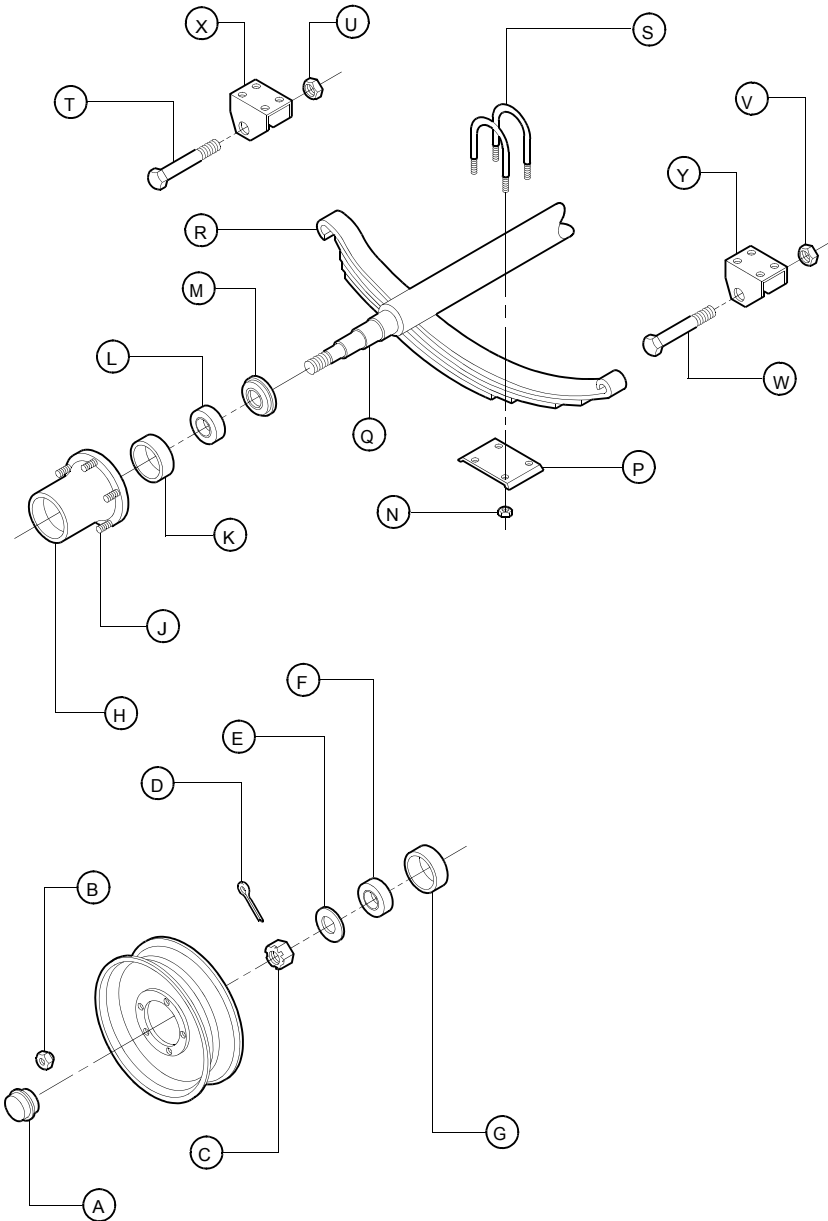
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	36787398	Level	1	 <i>Continued</i>
N	95935060	Nut	1	.875 - 2.0
P	95953998	Screw	1	.875 - 2.0 X 4.5
Q	36877793	Screw	8	M12 - 1.75 X 40
R	36879203	Nut	8	M12 - 1.75
S	36846772	Running Gear	1	
T	36073542	13" Tire and Wheel Assembly (Standard)	2	
U	22246268	Tire	2	
V	35292986	Wheel	2	
W	35282565	Stem, Valve (Common on All)	2	
	36006120	14" Tire and Wheel Assembly	2	
	36793479	Tire	2	
	35328160	Wheel	2	
				<i>Continued.....</i>

Frame And Running Gear



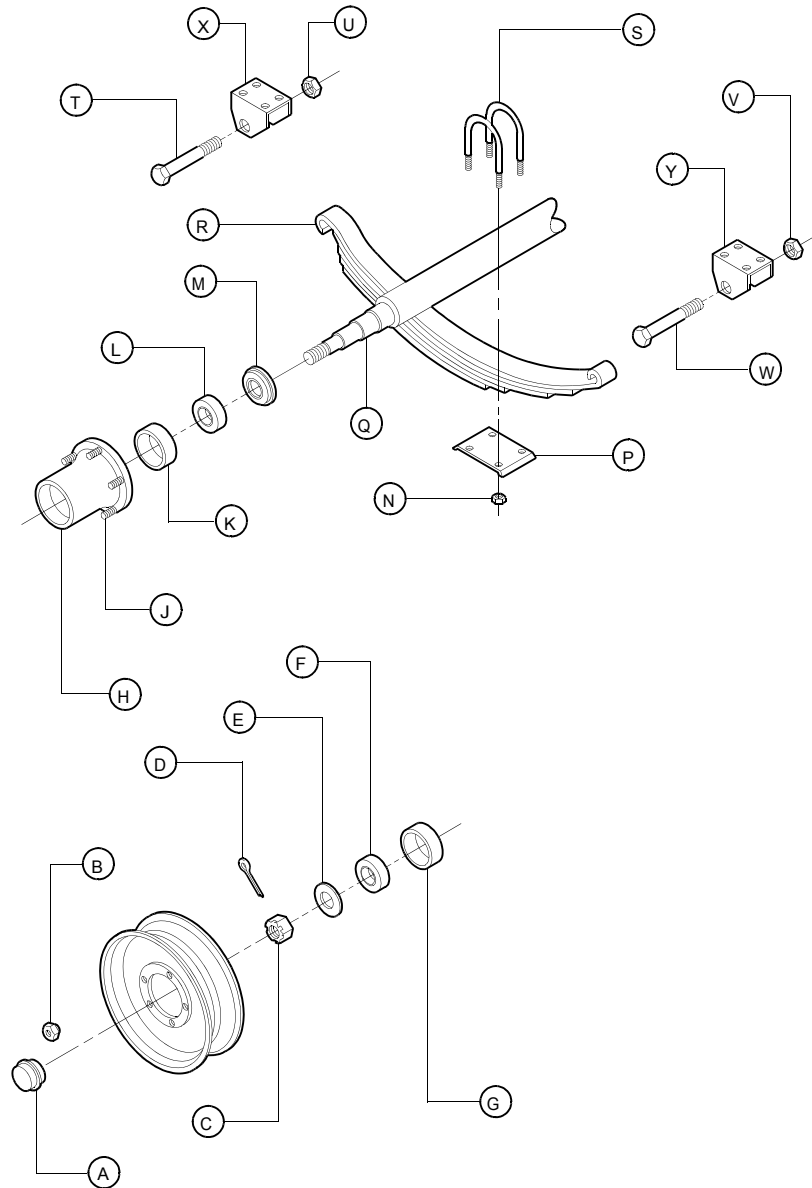
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	36073559	15" Tire and Wheel Assembly	2	Continued
	22246276	Tire	2	
	35277706	Wheel	2	
	35046275	15" Radial Tire and Wheel Assembly	2	
	35291988	Tire	2	
	35277706	Wheel	2	
X	36894624	Frame	1	M6 - 1.0 X 14
Y	36847713	Outrigger	2	
Z	92368687	Screw	2	
A1	23365471	Harness, Chassis (Not Shown)	1	

Running Gear Complete



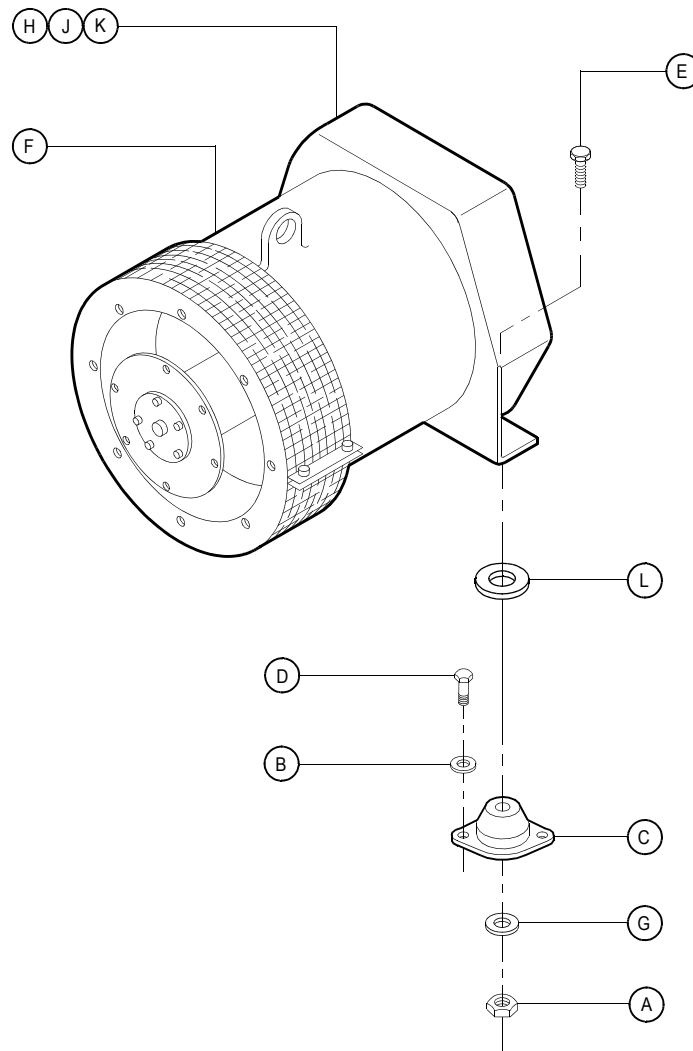
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35315233	Cap, Dust	2	Continued.....
B	35315274	Nut	10	
C	35315217	Nut, Spindle	2	
D	35315225	Pin, Cotter	2	
E	35315209	Washer	2	
F	35315191	Bearing, Outer	2	
G	35315183	Cup, Outer	2	
H	35361880	Hub	2	
J	35361898	Stud	10	
K	35361872	Cup, Inner	2	
L	35361864	Bearing, Inner	2	
M	35315142	Seal	2	

Running Gear Complete



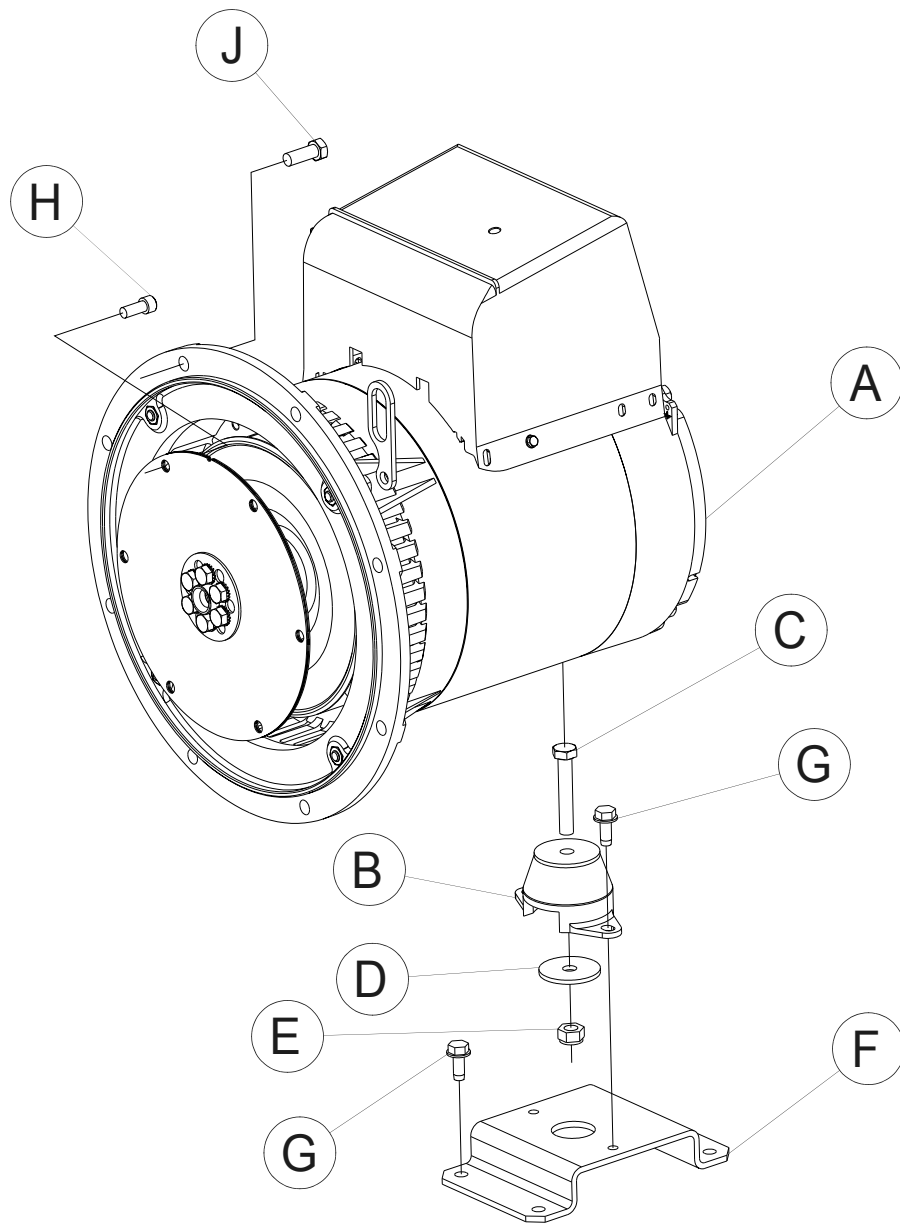
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	35315258	Nut	8	 <i>Continued</i>
P	35315241	Plate	2	
Q	36848174	Axle	1	
R	36848166	Spring	2	
S	35315118	U-Bolt	4	
	36847978	Kit, Hanger Parts	1	
T	35315365	Bolt	2	
U	35315373	Nut	2	
V	35315357	Nut	2	
W	35315340	Bolt	2	
	36847960	Kit, Hanger	1	Includes W & Y
X	35326966	Hanger, Rear	2	
Y	35326958	Hanger, Front	2	

Generator and Mounting



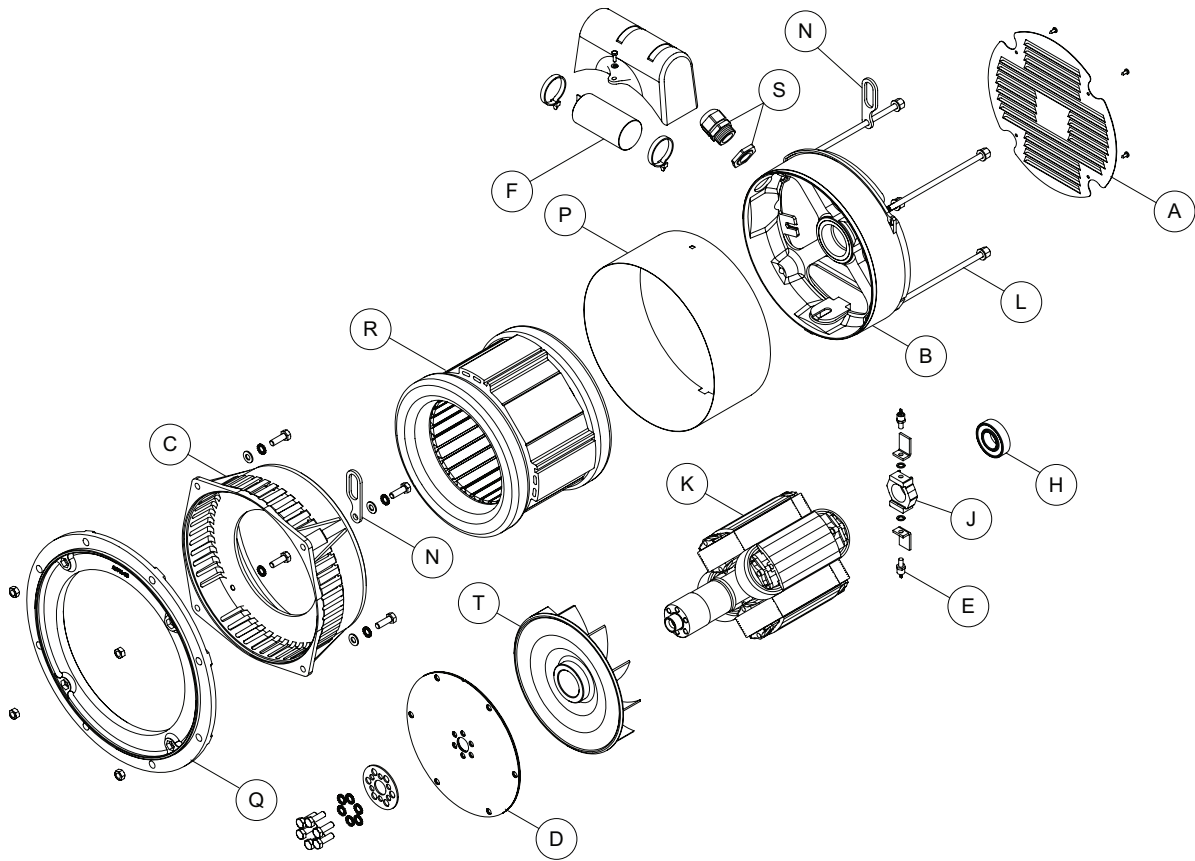
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35273366	Nut, Locking	2	M10 - 1.5
B	95934907	Washer	4	
C	36875565	Isolator	2	250 lb.
D	35279025	Screw	4	M8 - 1.25 X 20
E	96730411	Screw	2	M10 - 1.5 X 60
F	36882504	Generator (6 kw)	1	Prior to S/N: 373437
	22389381	Generator (6 kw)	1	After S/N: 373437
	43214345	Generator (7 kw)	1	
	36883528	Generator (8 kw)	1	
G	36899037	Washer	2	
H	36890358	Relief, Strain (in Generator)	1	
	36888923	Locknut	1	
J	95920674	Screw, Generator to Engine	8	
	36888683	L6 Capacitor (Not Shown)	1	
	36888683	L8 Capacitor (Not Shown)	1	
K	23365463	Harness, Generator (Not Shown)	1	

Generator and Mounting, Serial codes D88 & D89



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22810618	Generator	1	D88
	46542304	Generator	1	D89
B	36875565	Isolator	1	
C	96730411	Bolt	1	M10 - 1.5 X 60
D	36899037	Washer, Snubbing	1	
E	35273366	Nut	1	M10 - 1.5
F	22848857	Support, Alternator	1	Serial Code: D88
	46542312	Support, Alternator	1	Serial Code: D89
G	35279025G	Screw, Tapping	6	M8 - 1.25 X 20
H	95067864	Screw	6	5/16" - 18 X 3/4"
J	95920674	Screw	8	3/8" - 16 X 1"

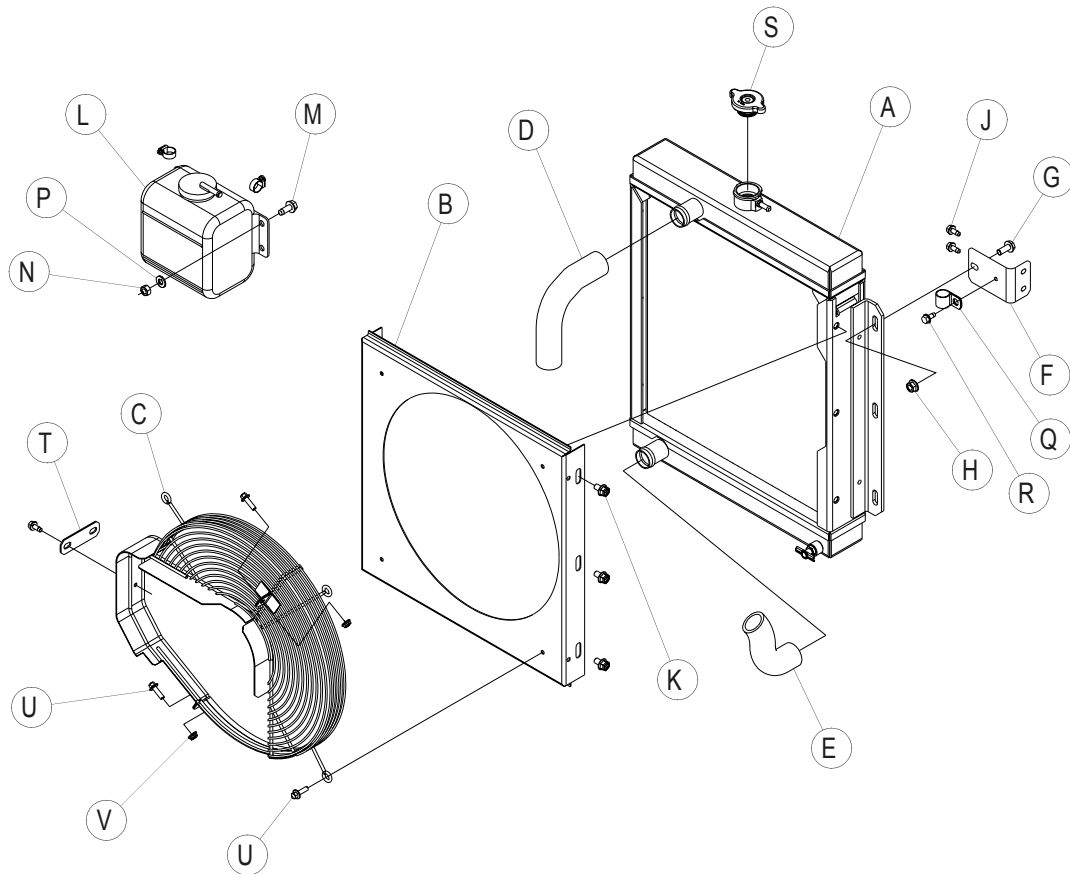
Generator and Mounting, Serial codes D88 & D89



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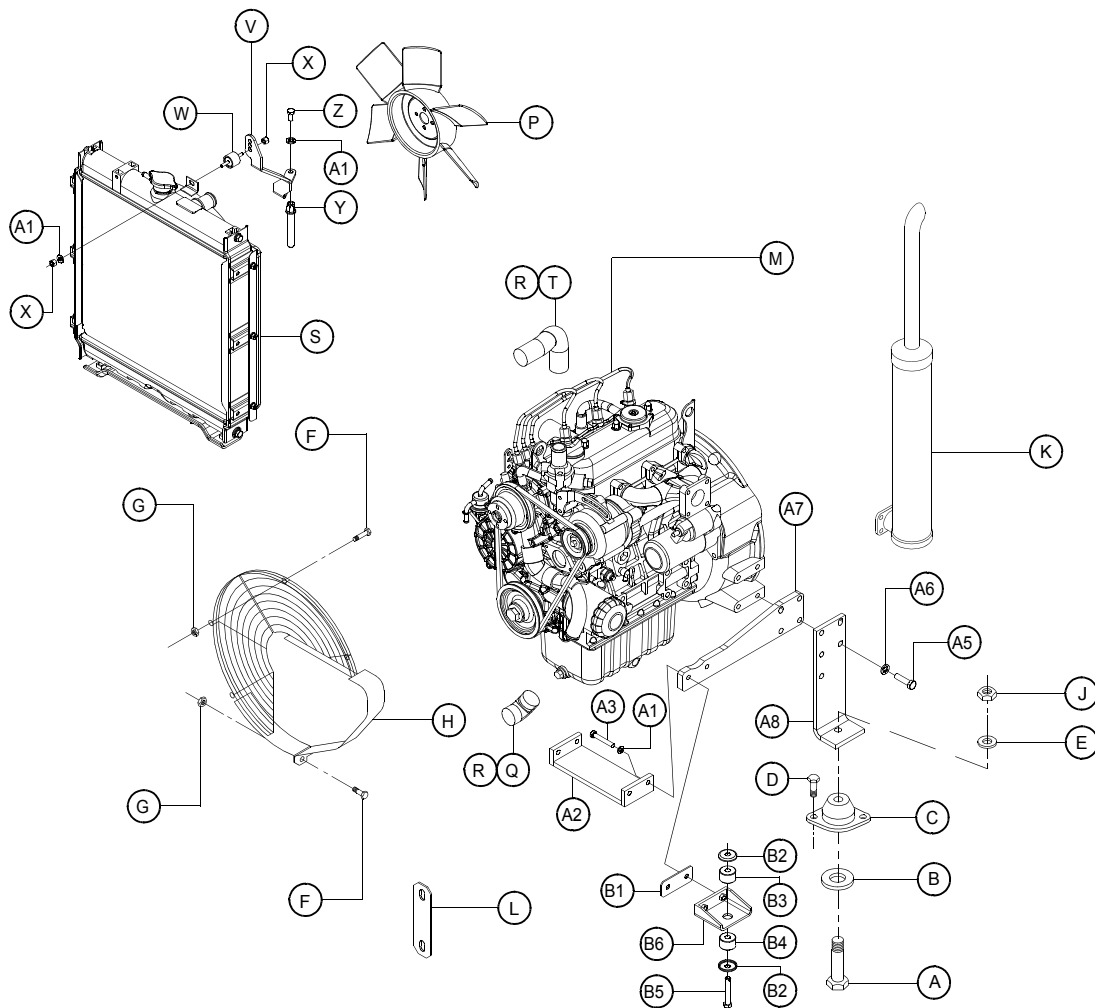
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23278906	Seal, Rear	1	
B	23278914	Bracket, NDE	1	
C	23278922	Bracket, DE	1	
D	23278989	Plates, Disc Ring	3	
E	23278963	Diodes	2	
F	23278997	Capacitor	1	
G	46543104	Board, Terminal (Not Shown)	1	
H	23278955	Bearing, Rear	1	
J	23279037	Support, Diode Heat 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	

Radiator Assembly - Serial Codes: D88, D89



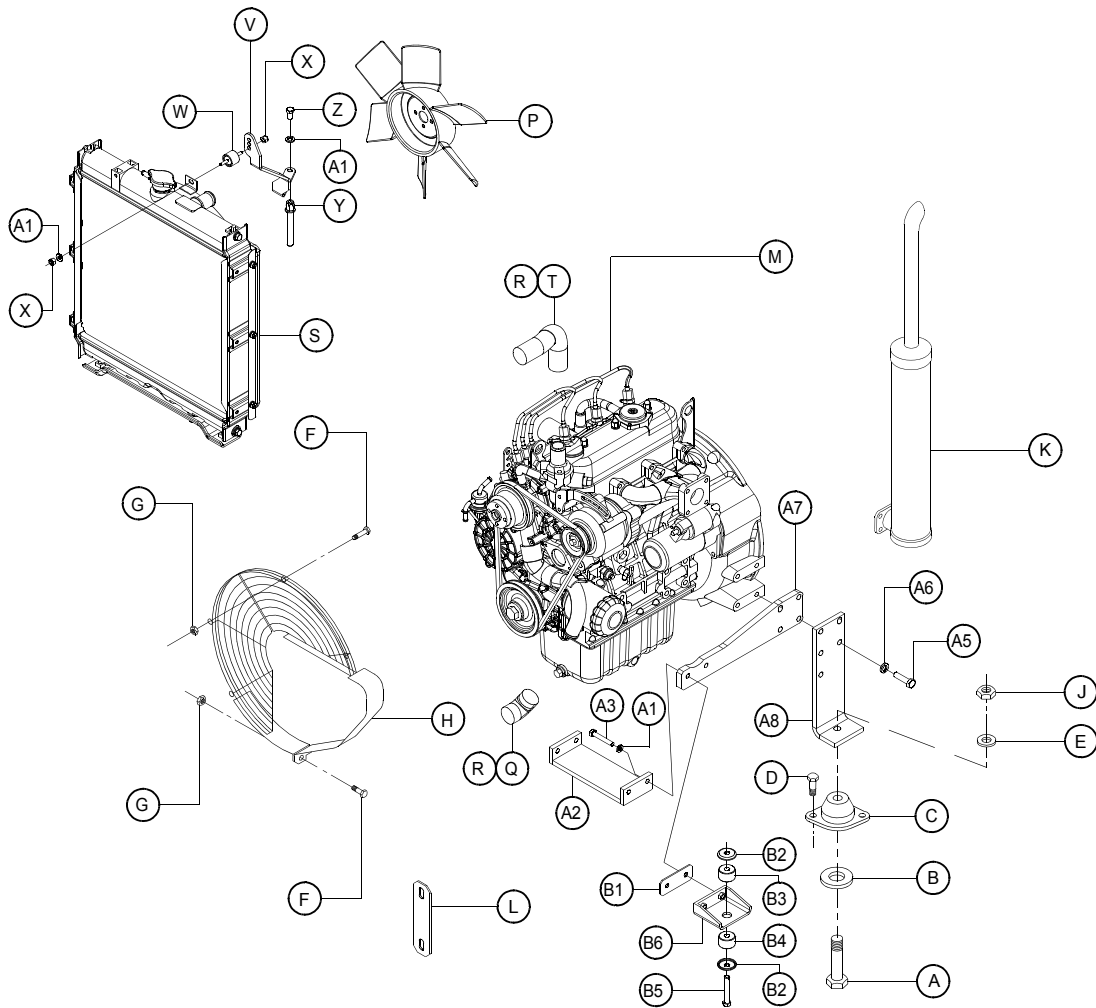
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46545695	Radiator Assembly	1	
B	TBD	Shroud Assembly	1	
C	46546032	Guard Assembly	1	
D	46541561	Hose, Radiator Upper	1	
E	46541579	Hose, Radiator Lower	1	
F	46541439	Bracket, Radiator Mount	4	
G	92398130	Screw	4	M8 - 1.25 X 20
H	36881886	Nut	4	
J	92368687	Screw, Tapping	8	M6 - 1.0 X 14
K	TBD	Screw	6	TBD
L	36884948	Bottle, Coolant	1	
M	35279025	Screw, Tapping	2	M8 - 1.25 X 20
N	96735543	Nut	2	M8 - 1.25
P	95934998	Washer	2	
Q	35225077	Clamp, Support	1	
R	92368687	Screw	1	M6 - 1.0 X 14
S	46548715	Cap, Radiator	1	
T	46547295	Bracket, Fan Guard	1	
U	36898096	Screw	5	M6 - 1.0 X 20
V	36898104	Nut	2	M6 - 1.0

Engine Assembly



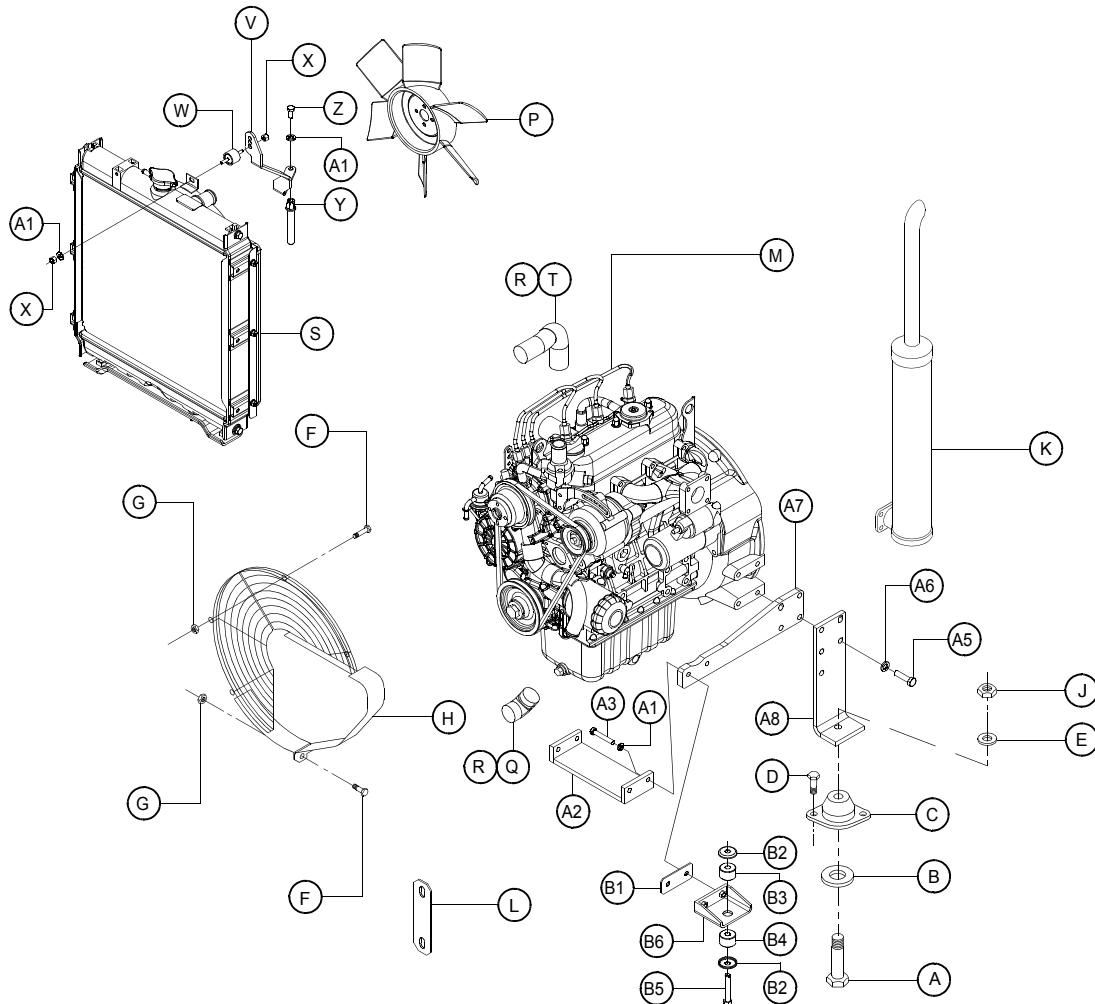
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96730411	Screw	2	M10 - 1.5 X 60
B	36899037	Washer	2	
C	36875565	Isolator	2	250 lb.
D	35279025	Screw	4	M8 - 1.25 X 20
E	95934907	Washer	2	
F	36898096	Screw	7	M6 - 1.0 X 20
G	36898104	Nut	7	M6 - 1.0
H	36868727	Guard, Fan	1	
J	35273366	Nut	2	M10 - 1.5
K	36871051	Muffler / Tail Pipe Assembly	1	
L	36871614	Bracket, Fan Guard	1	
M	22439889	Engine	1	Serial Codes:822, C45
	22439897	Engine	1	Serial Code: 819
	23173198	Engine	1	Serial Codes: D48, D49
	22574495	Engine	1	Serial Code: B39
	46546461	Engine	1	Serial Codes: D88, D89
				Continued.....

Engine Assembly



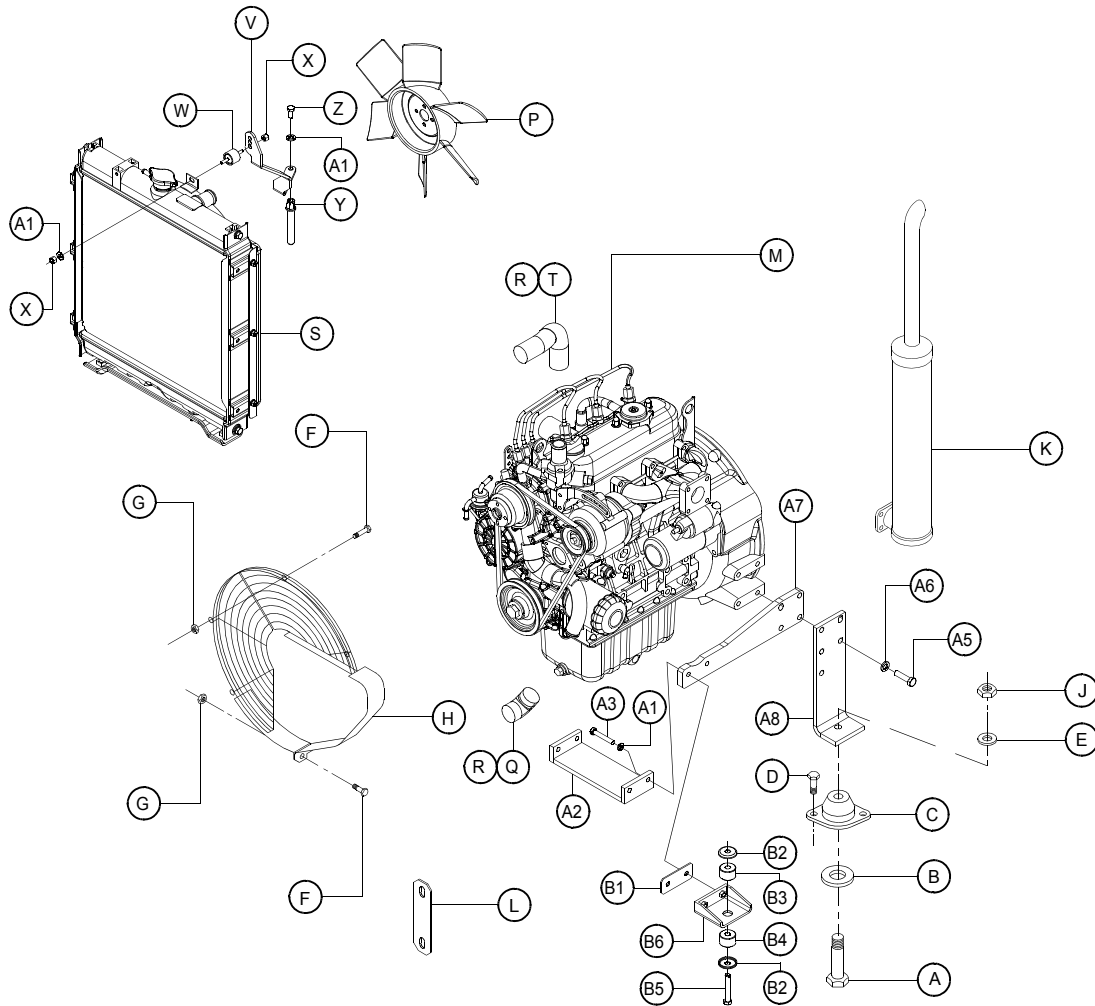
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	36888501	Fan, Engine	1	 Continued
Q	36888477	Hose, Bottom Radiator	1	
R	36888485	Clamp, Hose	4	
S	36888451	Radiator	1	Prior to S/N 384254
	23083405	Radiator, Aluminum	1	After S/N 384254
T	36888469	Hose, Top Radiator	1	
U	22988885	Cap, Radiator	1	Prior to S/N 34254
	23084338	Cap, Radiator (for Aluminum Radiator)	1	After S/N 384254
V	23197353	Bracket, Top Radiator	1	
W	36849891	Isolator	1	
X	95923298	Nut, Locking	2	1/4" - 20
Y	23197361	Screw, Cylinder	2	I.D. - M8 - 1.25 X 16
Z	23197379	Screw	2	M8 - 1.25 X 16
A1	95935029	Washer	2	
A2	23166416	Bracket, Radiator	1	
A3	96702402	Screw	2	M8 - 1.25 X 50
				Continued.....

Engine Assembly



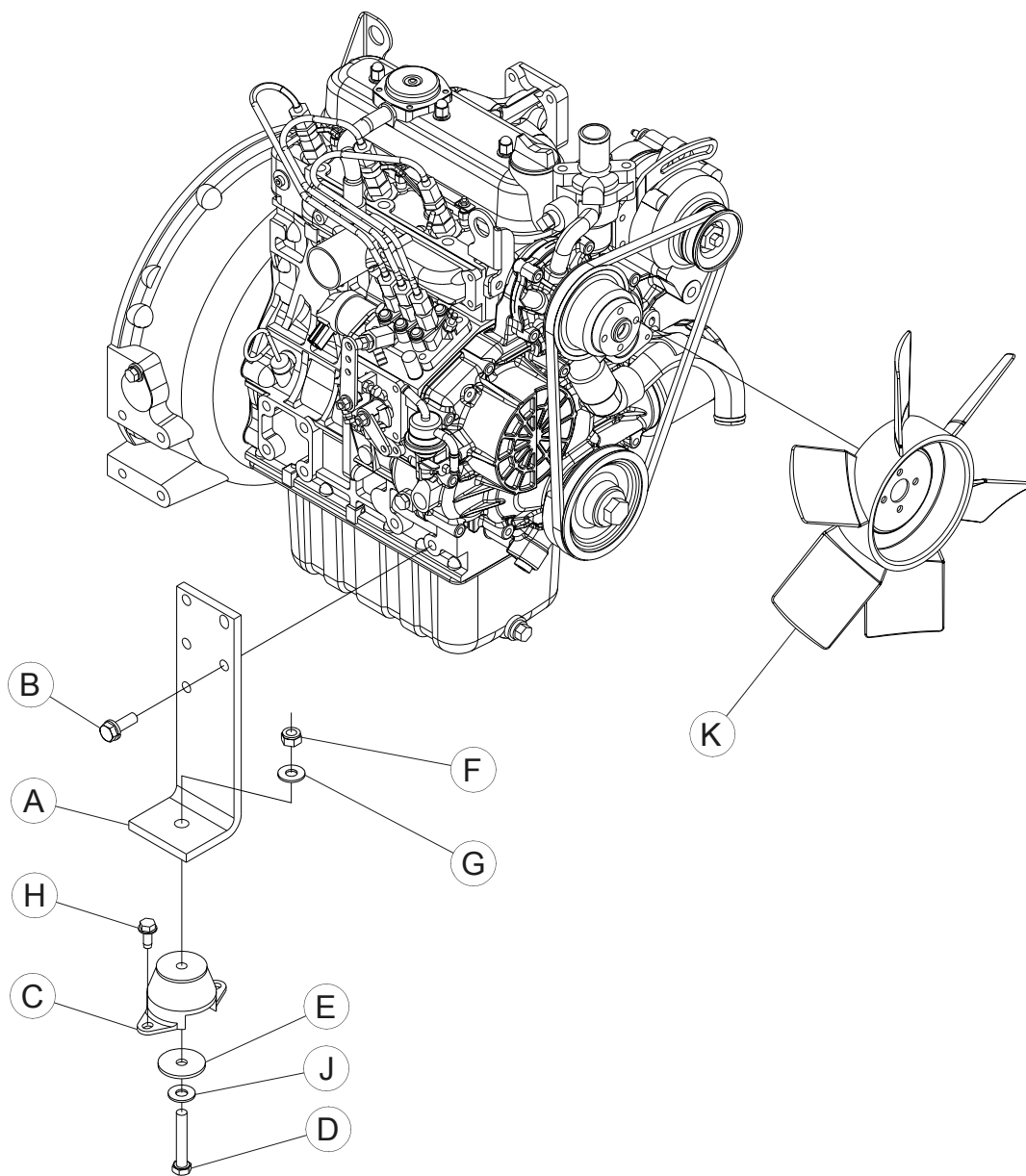
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A4	95934303	Washer	4	Continued M10 - 1.25 X 38 Continued.....
A5	23197387	Screw	8	
A6	TBD	Washer	8	
A7	23166382	Support, Radiator	2	
A8	23166408	Support, Engine Front	2	
A9	23167547	Spacer, Radiator	4	
B1	TBD	Spacer, Radiator	4	
B2	TBD	Cap, Isolator	4	
B3	TBD	Isolator, Upper	2	
B4	TBD	Isolator, Lower	2	
B5	TBD	Screw	2	
B6	TBD	Bracket, Radiator Mounting	2	

Engine Assembly



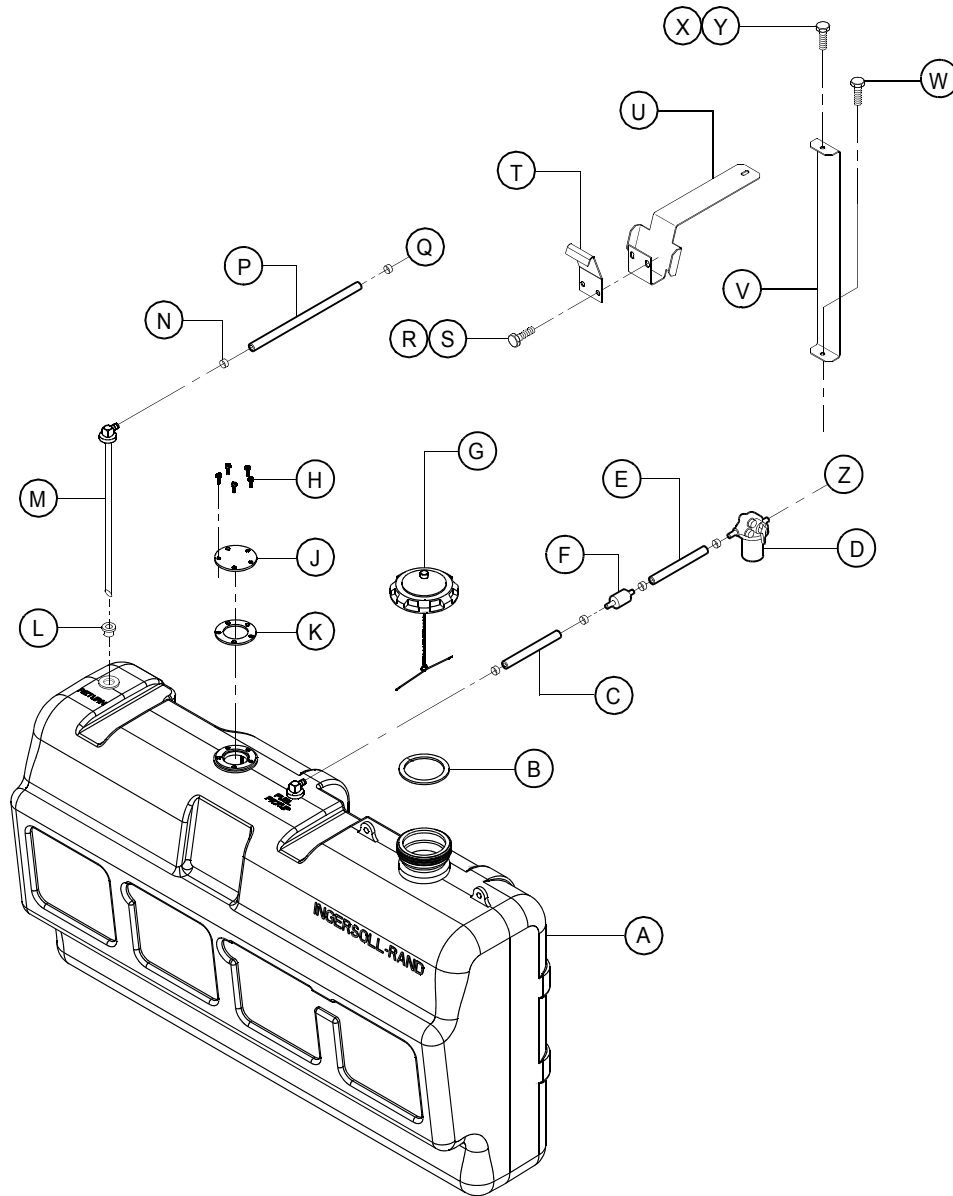
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		Engine Accessories (Not Shown)		Continued
B7	36870574	Filter, Oil	1	
B8	36870566	Filter, Fuel	1	
B9	35367978	Element, Fuel	1	
C1	36890135	Filter, Air Primary	1	
C2	36888170	Alternator	1	
C3	36888501	Belt, Fan	1	Prior to S/N 34254
C4	15908098	Belt, Fan	1	After S/N 384254
C5	36888188	Starter	1	Prior to S/N 34254
C6	22986517	Starter	1	After S/N 384254
C7	36870574	Filter, Oil	1	
C8	36890101	Hose, Air Intake	1	
C9	36890119	Band, Mounting	1	
D1	22173561	Air Cleaner Assembly	1	
D2	36890143	Bracket, Air Cleaner	1	
D3	36868479	Switch, Water Temperature	1	
D4	36878379	Switch, Oil Pressure	1	

Engine Mounts - Serial Codes: D88, D89



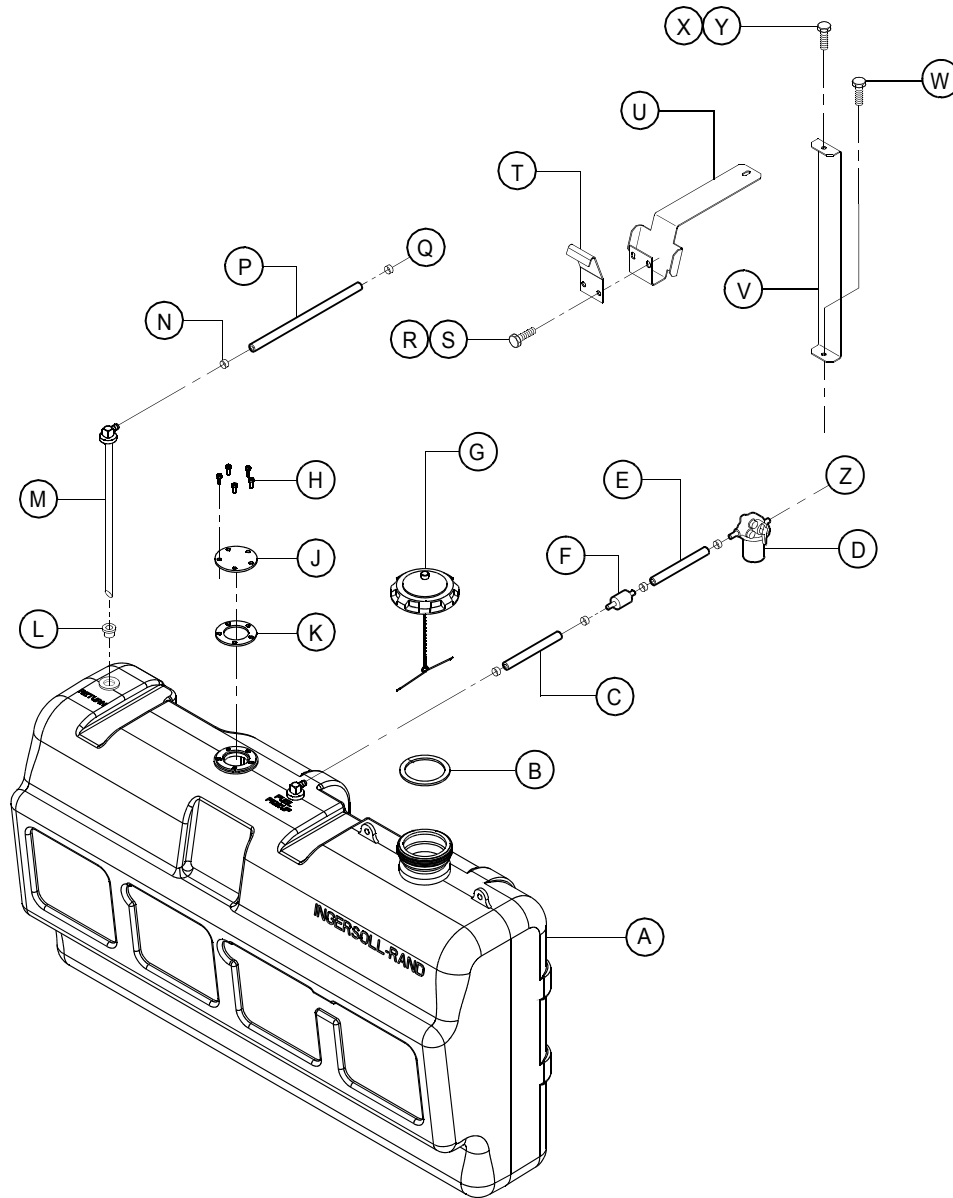
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46541504	Support, Engine	2	
B	46551868	Screw	8	M10 - 1.25 X 30
C	36875565	Isolator	2	
D	96730411	Screw	2	M10 - 1.5 X 60
E	36899037	Washer, Snubber	2	
F	35273366	Nut	2	M10 - 1.5
G	95934907	Washer	2	
H	35279025	Screw, Tapping	4	M8 - 1.25 X 20
J	95935003	Washer	2	
K	36888501	Fan	1	

Fuel Tank And Piping



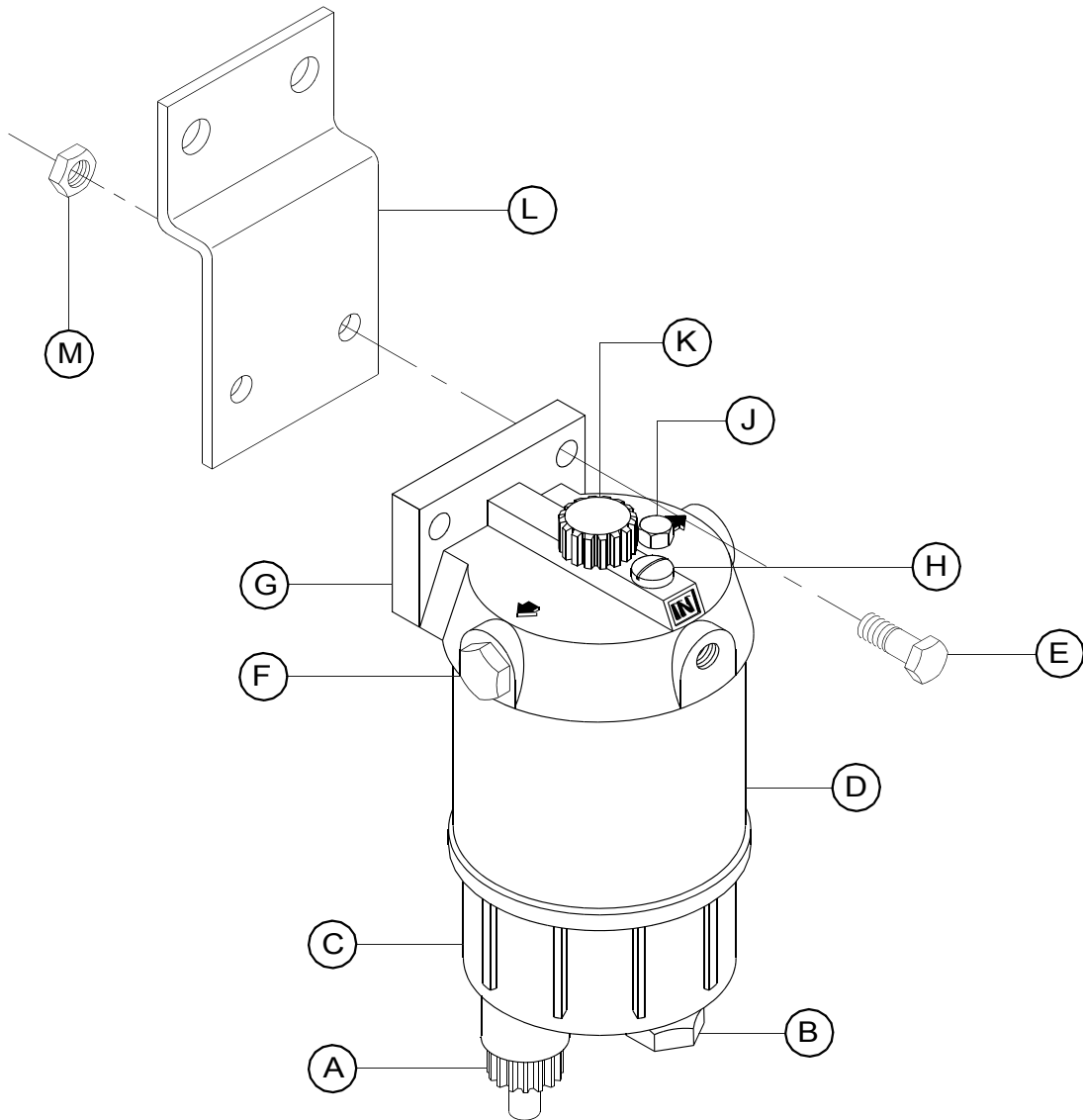
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881100	Tank, Fuel	1	4" 22"
B	35385111	Gasket, Fuel Cap	1	
C	35363498	Hose, Pick-up	1	
D	-----	Engine Primer Pump	1	
E	35363498	Hose, Fuel Pick-up	1	
F	36845493	Filter, Fuel	1	
G	36885564	Cap, Fuel	1	
H	95916532	Screw	5	
J	36792828	Plate, Cover	1	
K	35361849	Gasket, Plate	1	
L	35384577	Bushing, Nitrile	2	Continued.....
M	35392307	Standpipe Assembly	2	

Fuel Tank And Piping



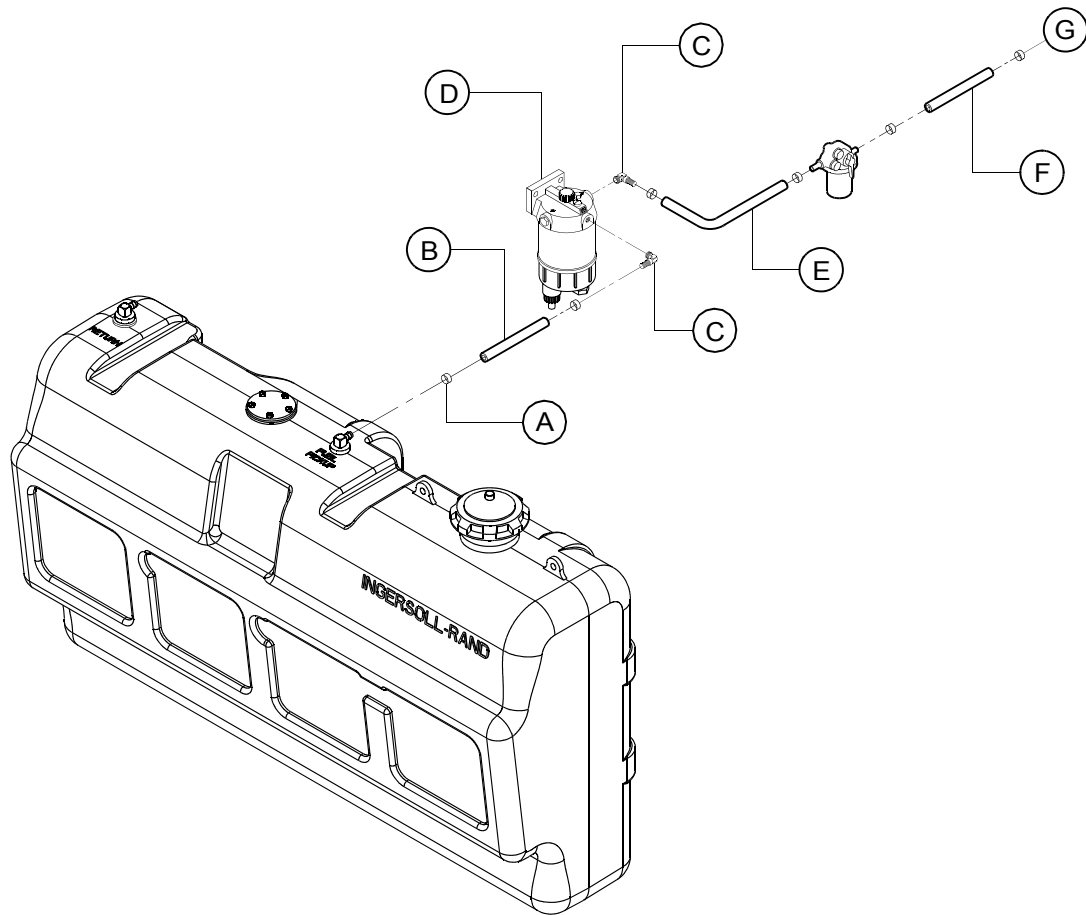
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	35296342	Clamp	6	 Continued
P	35363498	Hose, Return	1	32"
Q	-----	Return From Engine		
R	96702279	Screw	2	M10 - 1.5 X 20
S	36879195	Nut	2	M10 - 1.5
T	22356752	Bracket, Fuel Tank	1	
U	22260905	Bracket, Top Fuel Tank	1	
V	22356760	Bracket, Outer Fuel Tank	1	
W	35279025	Screw, Tapping	1	M8 - 1.25 X 20
X	96702055	Screw	1	M8 - 1.25 X 20
Y	36881886	Nut	1	M8 - 1.25
Z	-----	To Engine Fuel Pump		

Fuel / Water Separator Filter Option



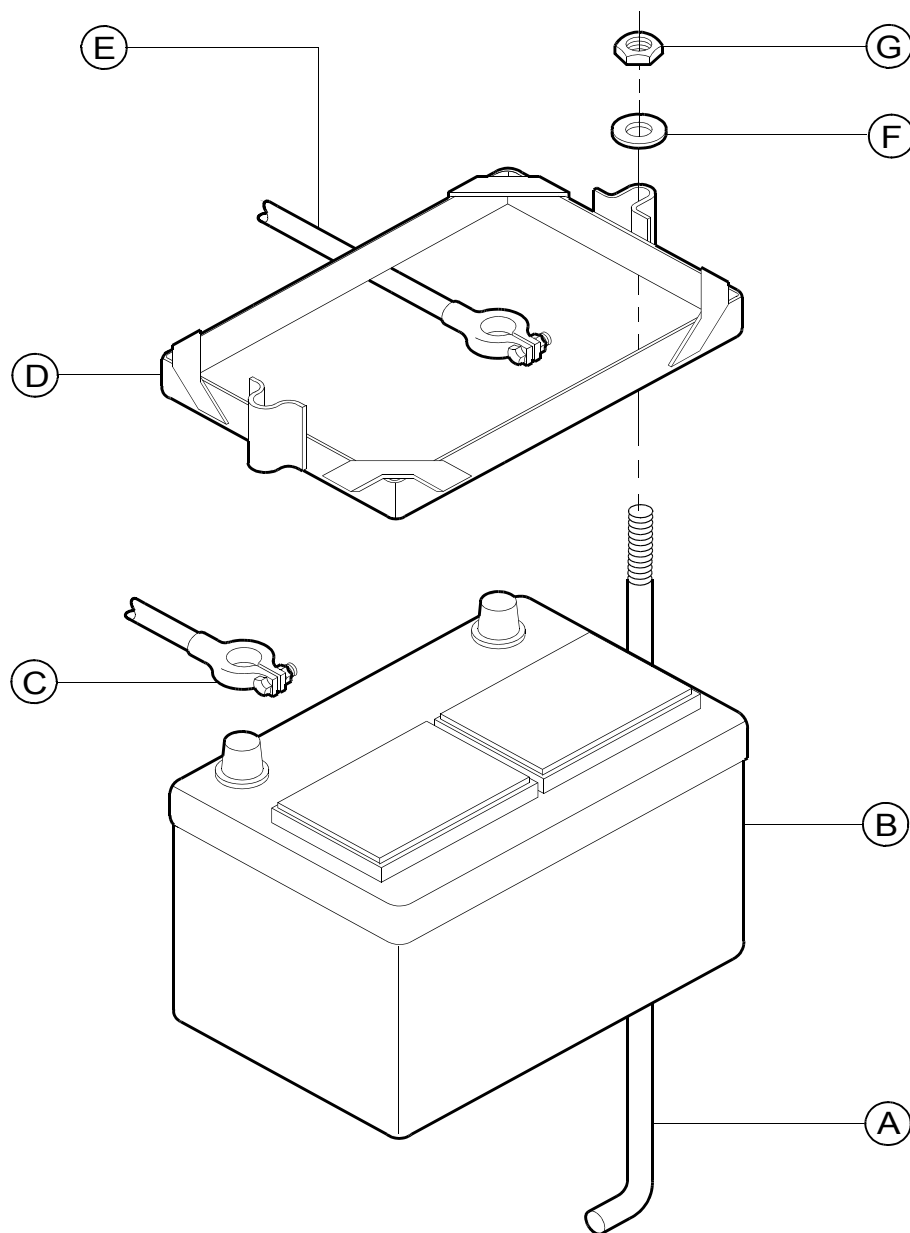
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35358373	Knob, Drain	1	
B	35358399	Plug	1	
C	35358340	Bowl	1	
D	35367978	Filter	1	
E	35271162	Screw	2	
F	36876910	Plug	1	
G	35358357	Head, Filter	1	
H	35358381	Plug	1	
J	35368703	Plug, Vent	1	
K	35358365	Screw, Thumb	1	
L	36797777	Bracket, Mounting	1	
M	36881886	Nut	2	
	36500957	Filter Assembly, Complete		

Water Separator Filter Option



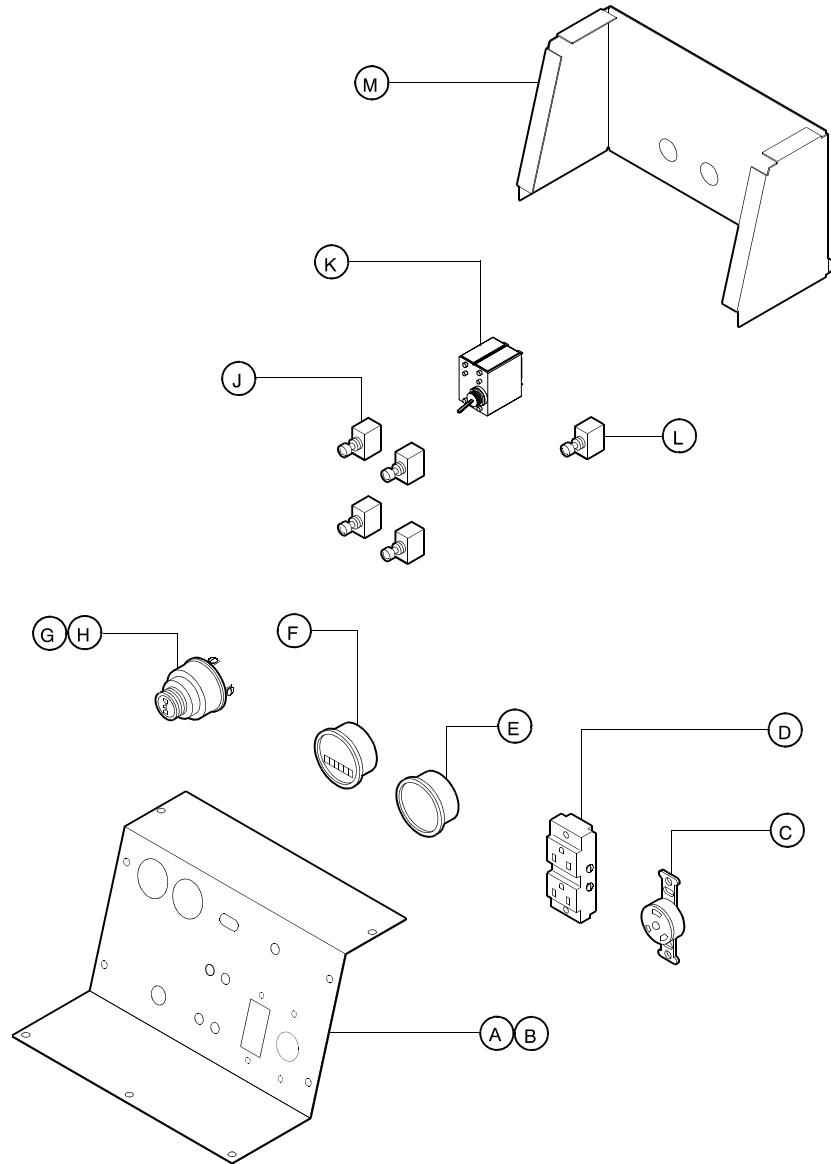
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35296342	Clamp	6	
B	35363498	Hose, Fuel (25 inches)	1	
C	35378538	Elbow, 90	2	
D	36500957	Filter, Fuel / Water		
E	35363498	Hose, Fuel (15 inches)	1	
F	35363498	Hose, Fuel (9 inches)	1	
G	-----	To Fuel Pump on Engine		

Battery and Mounting



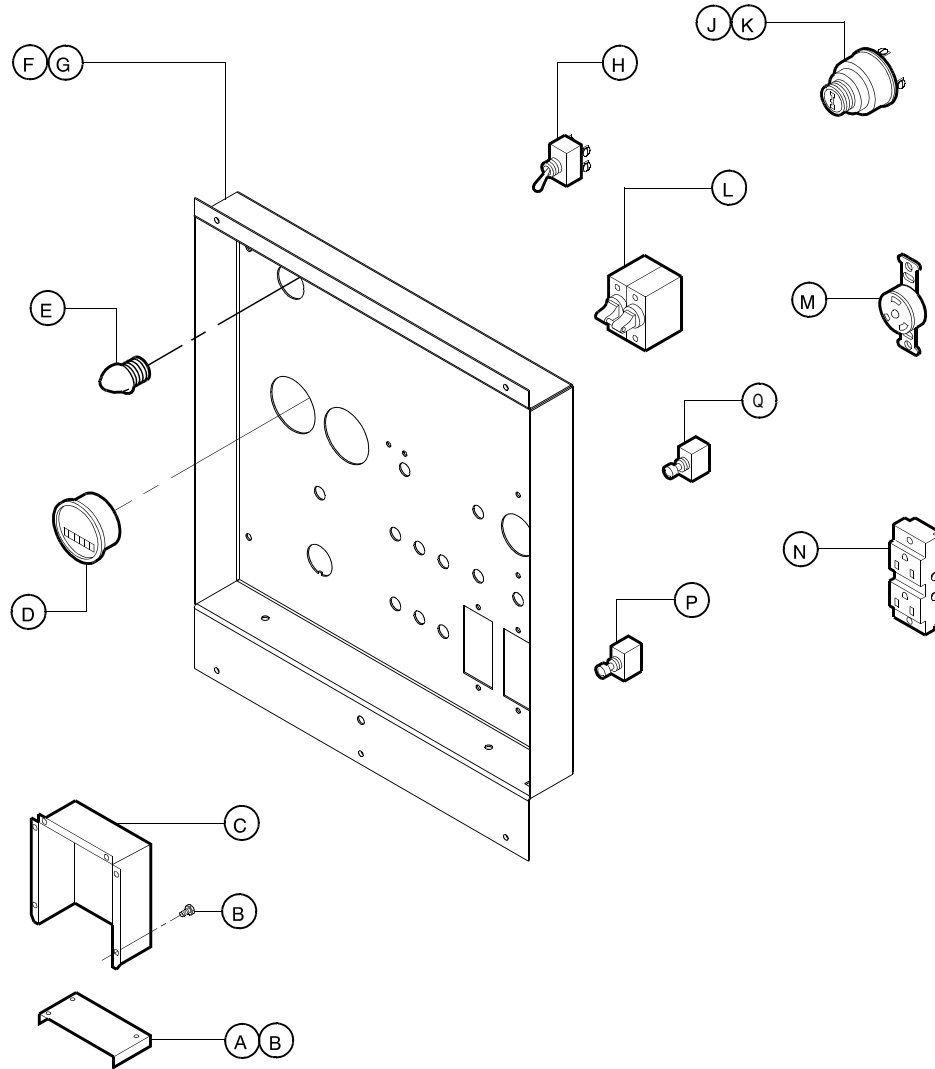
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35129097	Rod, Hold Down	2	
B	36844967	Battery, 12 Volt (610A Cold Cranking)	1	
	36844975	Battery, 12 Volt (1000A Cold Cranking)	1	
C	36788735	Cable, Positive (+)	1	
D	35582394	Frame (610A Battery)	1	
	35591783	Frame (1000A Battery)	1	
E	35582402	Cable, Negative (-)	1	
F	95935037	Washer	2	
G	95923322	Nut	2	
	35578194	Strap, Ground (Not Shown)	1	
	35130293	Screw, Tapping (Ground Strap to Frame)	1	3/8" - 16 X 3/4"

6 kw Instrument / Control Panel



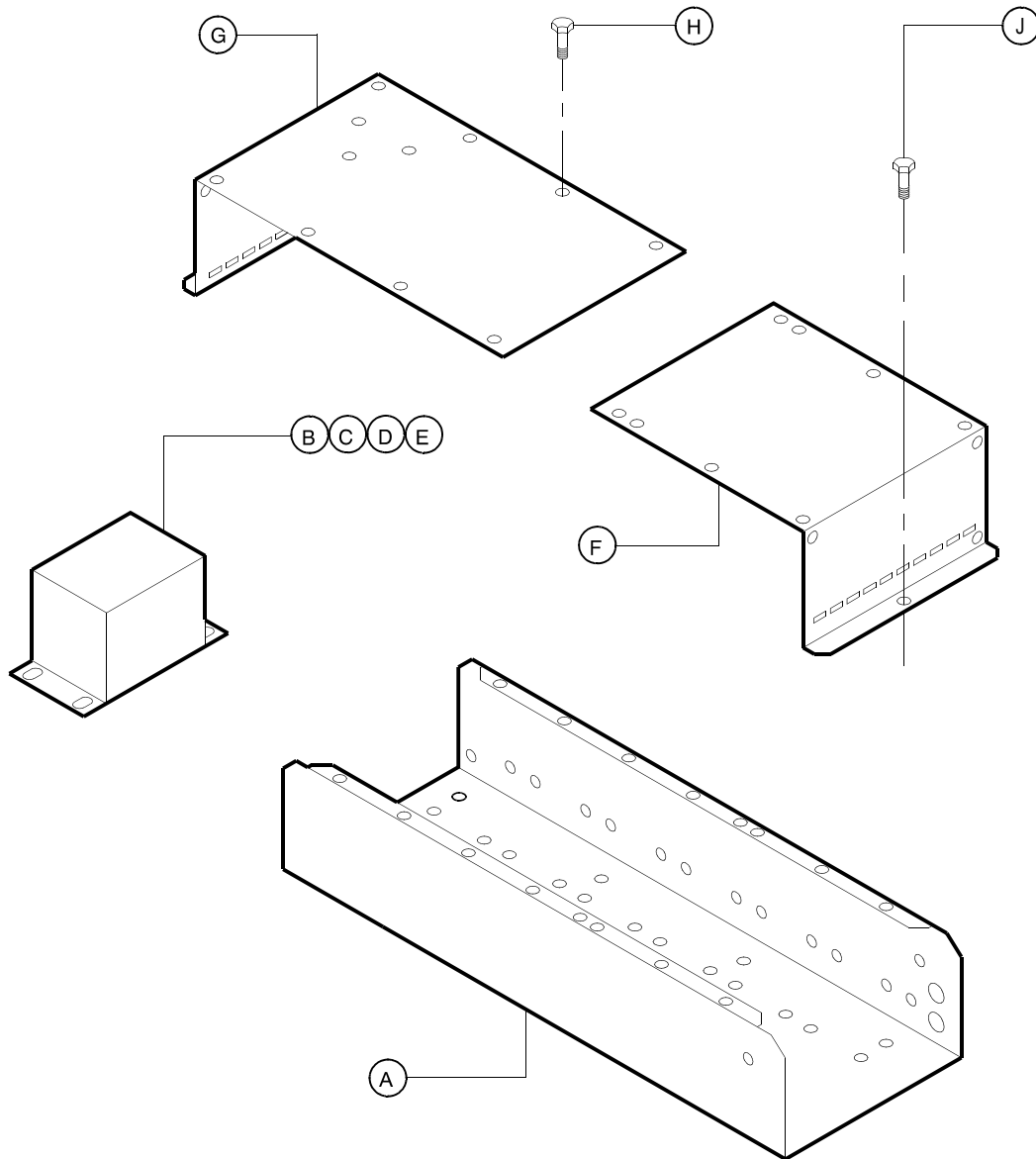
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36876001	Panel, Control Box	1	
B	36875995	Decal, Panel	1	
C	36848752	Receptacle, Twist Lock	1	
D	36883817	Receptacle, Duplex	1	
E	36011765	Fuel Gage Option	1	
F	36841245	Hourmeter	1	
G	36786457	Switch, Key	1	
H	35385533	Key, Ignition	1	
J	35337435	Switch, Toggle	4	
K	36875953	Breaker, Main	1	
L	36898229	Breaker, 15 Amp 250 Volt	1	
M	36847630	Cover, Control Panel	1	
N	23230857	Plate, Doosan Serial Number (Not Shown)	1	

8 kw Instrument / Control Panel



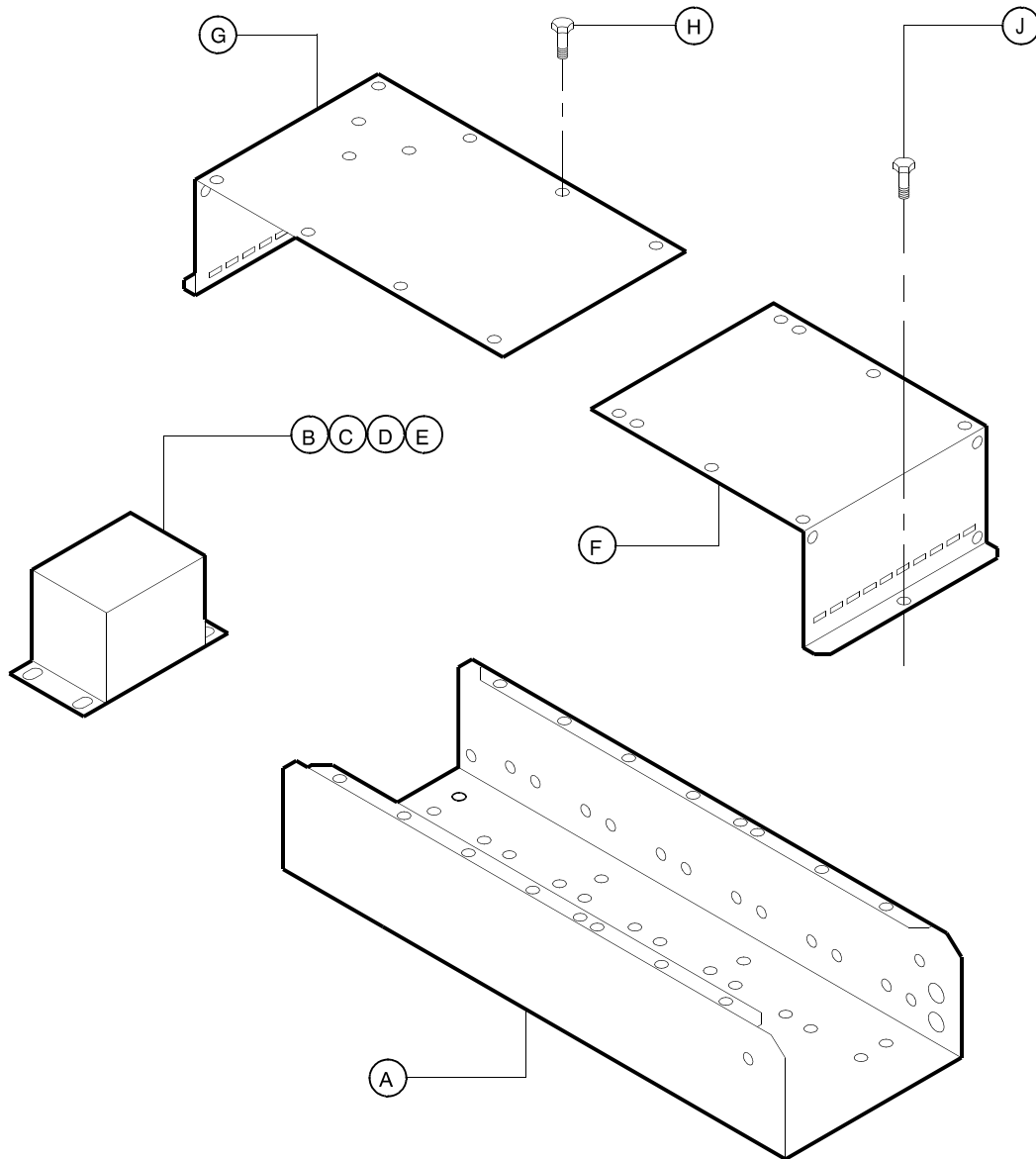
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36850071	Plate, Bottom	1	
B	92368687	Screw	8	
C	36784395	Cover	1	
D	36841245	Hourmeter	1	
E	36843852	Light, Instrument Panel	1	
F	36899532	Panel, Control Box	1	
G	36898088	Decal, Panel	1	
H	35337435	Switch, Toggle	5	
J	36786457	Switch, Key	1	
K	35385533	Key, Ignition	1	
L	36875961	Breaker, Main	1	
M	36848752	Receptacle, Twist-Lock	1	
N	36883817	Receptacle, Duplex	1	
P	36898229	Breaker, 15 amp	1	
Q	36898237	Breaker, 30 amp	1	
R	23230857	Plate, Doosan Serial Number (Not Shown)	1	

Ballast Box Assembly



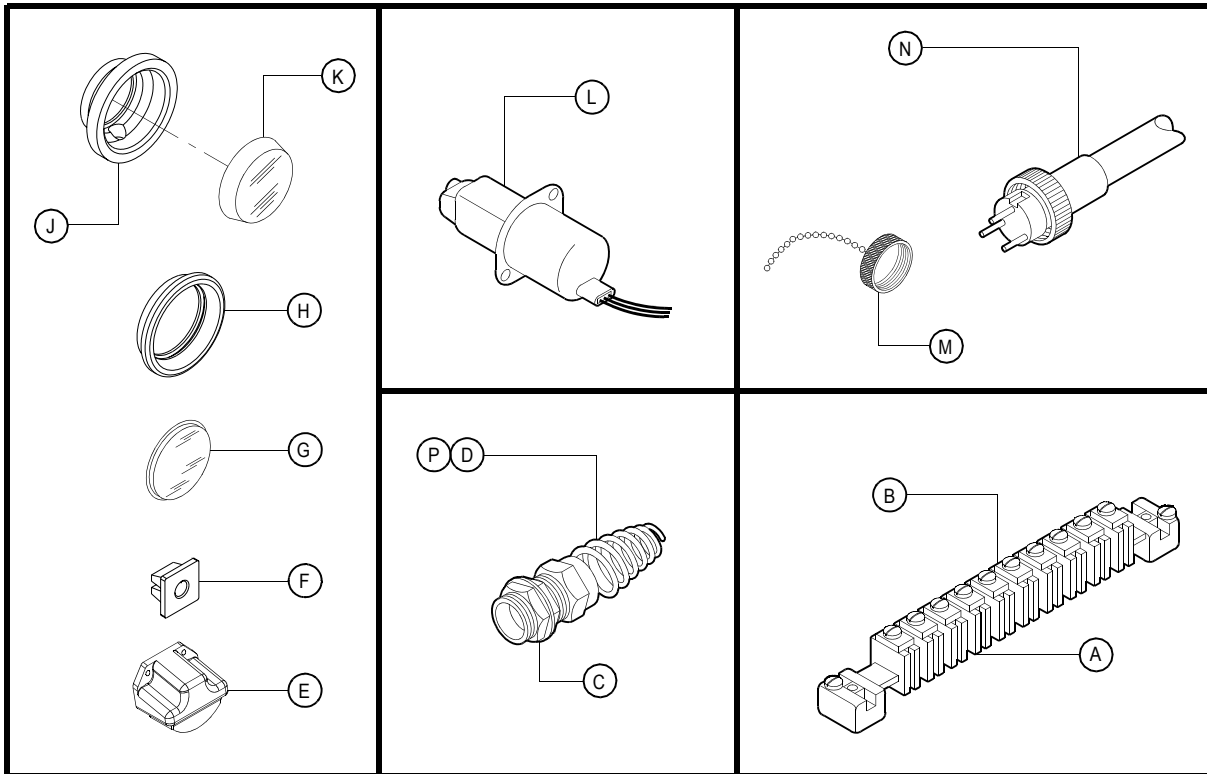
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36894269	Box, Ballast	1	
B	36883791	Ballast (Metal Halide-6kw / 8kw 4 light)	4	
		Ballast (High Press. Sod.-6kw / 8kw 4 light)	4	
C	36888683	Capacitor (Metal Halide-6kw / 8kw 4 light)	4	
		Cap. (High Press. Sod.-6kw / 8kw 4 light)	4	
D	35306141	Connector, Ballast	4	
E	36851996	Bracket, Strap	1	
F	36894277	Panel, End	1	
G	36894285	Cover, Ballast Box	1	
H	92368687	Screw, Tapping	16	M6 - 1.0 X 14
J	35279025	Screw, Tapping	8	M8 - 1.25 X 20
	36883791	Ballast	4	
	36888683	Capacitor	1	Continued.....

Ballast Box Assembly



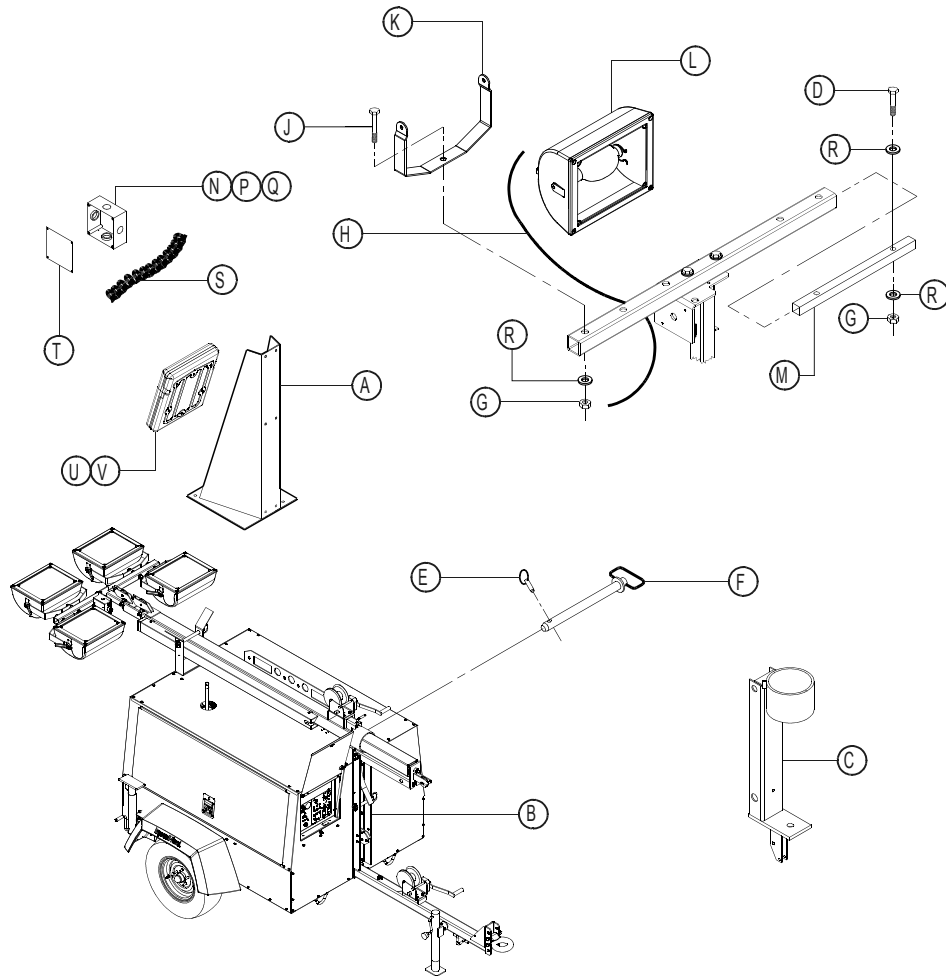
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		Parts Not Illustrated		 Continued
	36844066	Reel, 12V Light (Option)	1	
	36898070	Ballast Box Harness (Metal Halide) L6	1	
	36895118	Ballast Box Harn. (High Press. Sodium) L6	1	
	35306141	Male Connector	4	
	36898054	Ballast Box Harness (Metal Halide) L6	1	
		Ballast Box Harn. (High Press. Sodium) L8	1	
	36889731	Engine Harness L6 and L8	1	
	36868586	Generator Harness L6 and L8	1	

Lights and Electrical Components



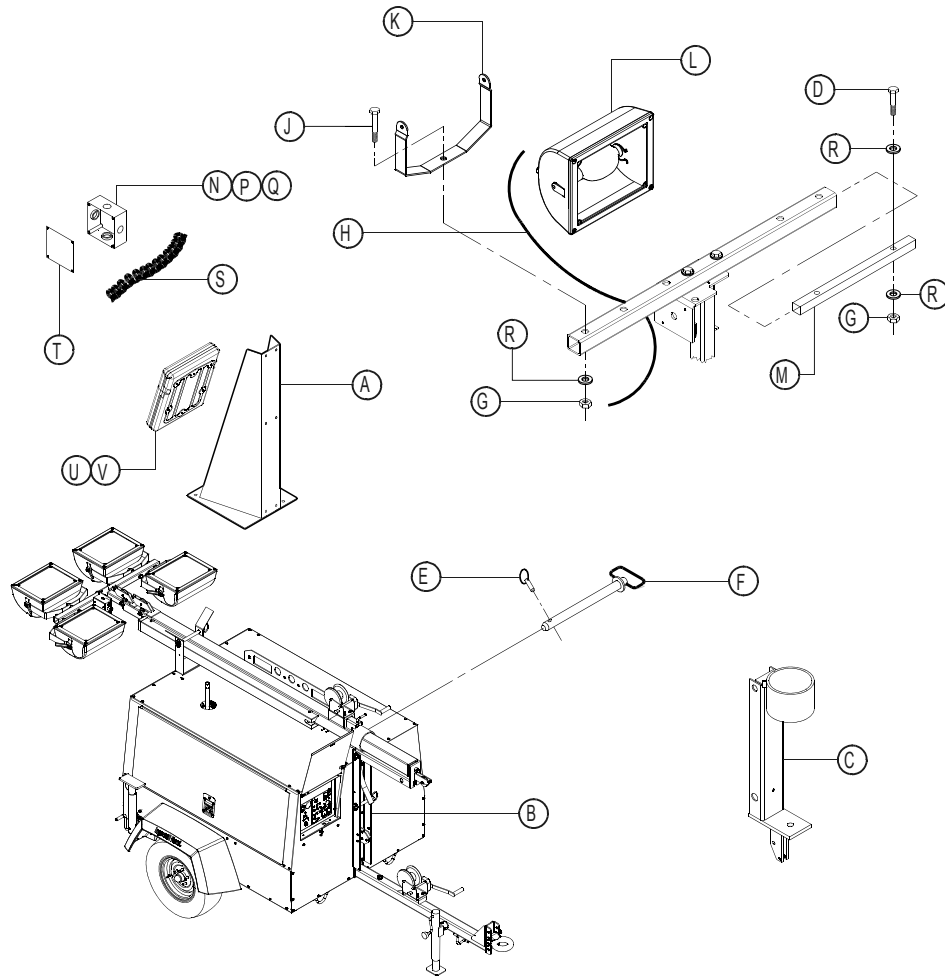
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36769131	Terminal	6	
B	36769149	Bus Bar	1	
C	36787414	Relief, Strain (Ballast Box, Engine & Panel Harness)	1	
D	36888915	Relief, Strain (Junction Box)	1	
E	36895860	Light, License	1	
F	36794774	Grommet, License Plate	2	
G	35316298	Reflector, Amber	2	
H	36787968	Grommet	2	
J	36893634	Grommet	4	
K	35367051	Yellow	2	
	36893634	Red	2	
L	22776892	Solenoid, Shutdown (Engine)	1	
M	36788297	Cap, Dust	4	
N	36782118	Cord With 3-Pin Connector (Lamp to Junction Box)	1	
P	36888923	Locknut, Strain Relief	1	
Q	23050180	Harness, Trailer (Not Shown)	1	
R	35253038	Clamp, Support (Not Shown)	1	
S	35279025	Screw, Tapping (Not Shown)	1	M8 - 1.25 X 20

Light and Tower Assembly



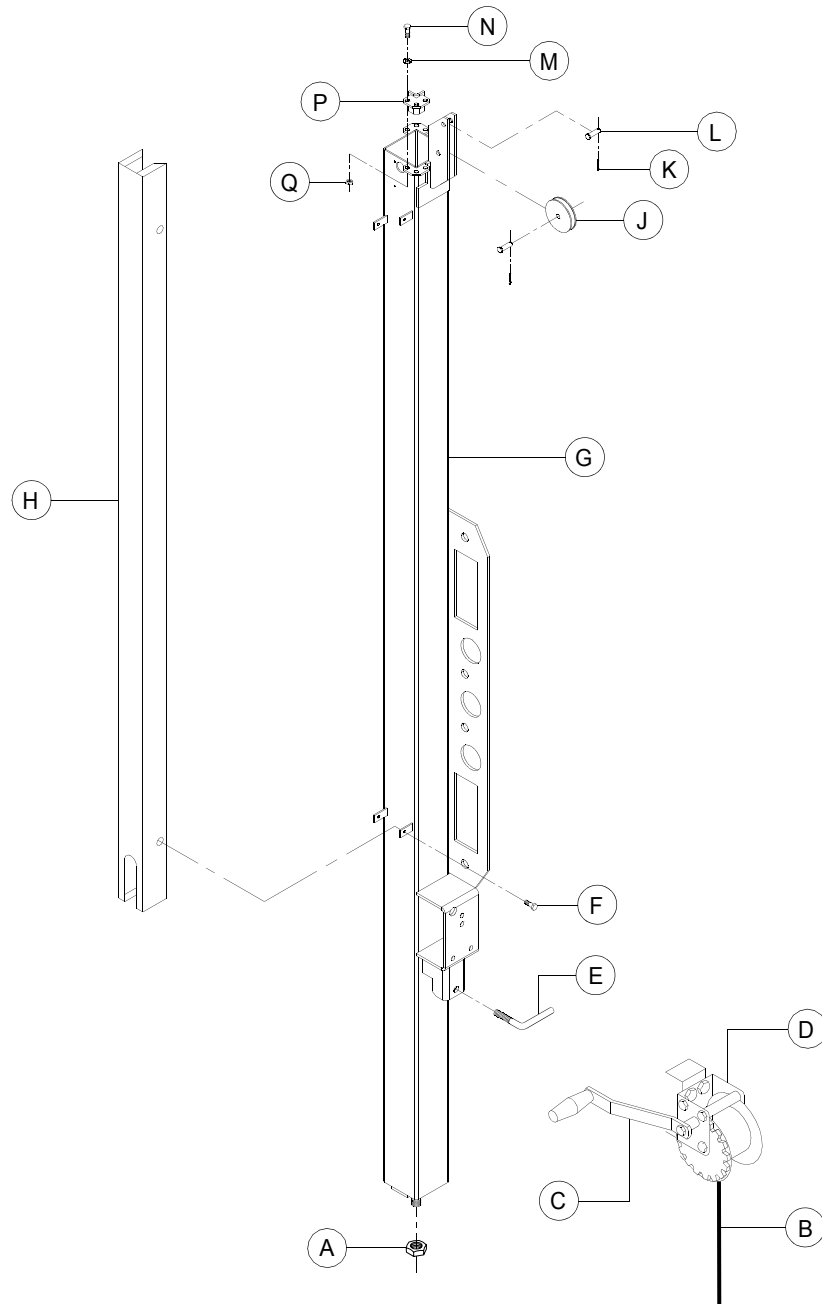
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36895092	Base, Tower	1	Continued.....
B	36895100	Support, Tower	1	
C	36885614	Support, Tower Pivot	1	
D	95934790	Screw	2	
E	36794170	Pin, Lynch	1	
F	36869253	Pin, Lock	1	
G	95923363	Nut	4	
H	36782118	Cord	1	
J	95995478	Screw	4	
K	22515720	Trunion	4	
L	22501217	Optical Socket Assy. (Metal Halide-High Press. Sodium - 1000 watts)		
	22263016	Optical Socket Assy. (Metal Halide-High Press. Sodium - 1500 watts)		
M	36922888	Extension, Crossbar (Option)	2	
N	36883817	Receptacle, Duplex	1	
	36899342	Receptacle, Duplex (7 Hole)	1	
P	95942553	Screw	2	

Light and Tower Assembly



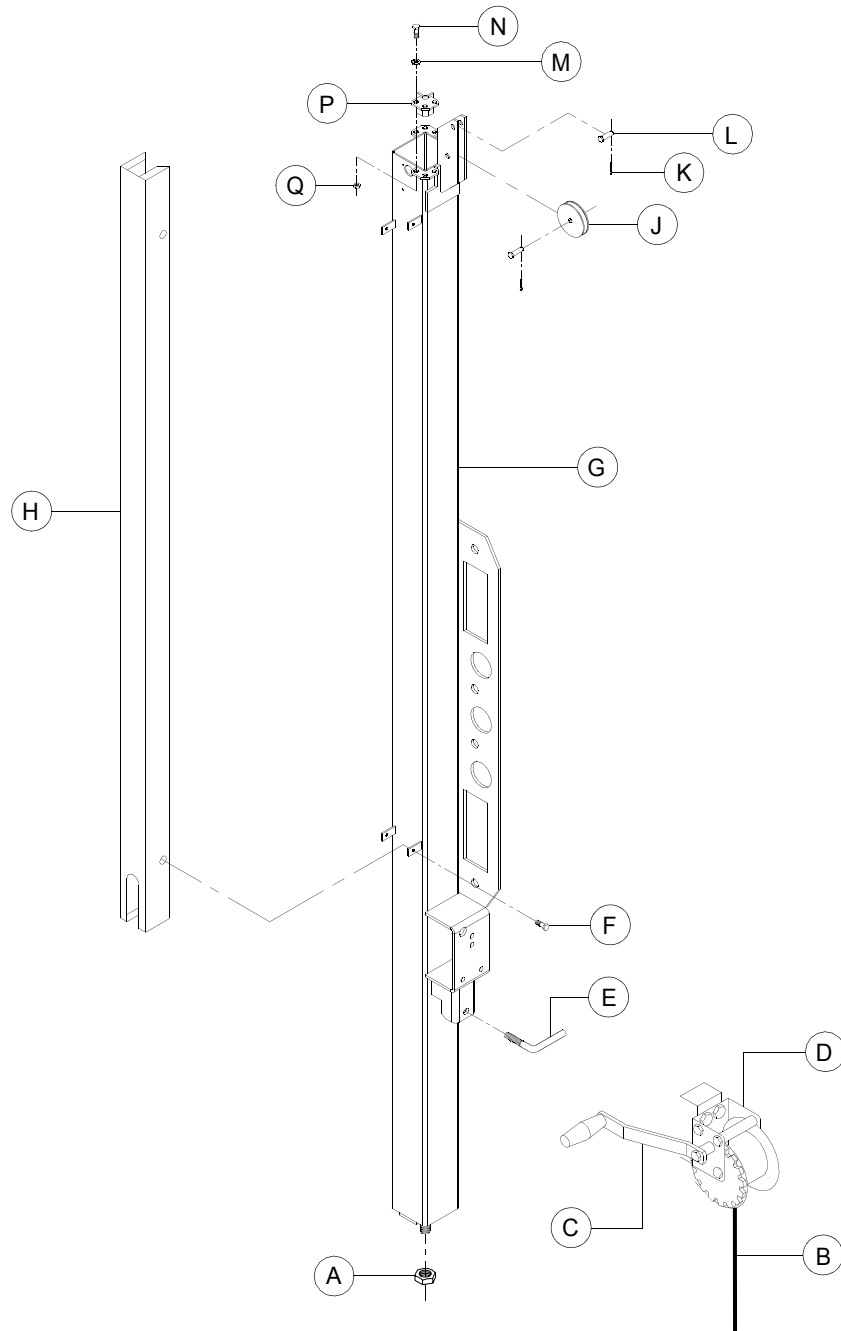
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	36527018	Decal	1	Continued
R	95935011	Washer	12	
S	36896181	Cord, Curley	1	
T	36885945	Cover	1	
U	22990816	Pouch, Literature	1	
V	36797652	Screw	4	
		Cord Assemblies		
		Curly Cord (with Strain Relief)		
	36895142	L6 L8-4 MH-4HPS, L8-6MH-HPS		
	36850519	L6 L8 - 4 TH		
		Cords		
	36779346	Lamp To J-Box		
		Cord (Splice to Wires from Lamp Socket)		
	36782118	Inside J-Box		
		Cord (Mounts to Junction Box)		
	36895118	Cord (Ballast Box to Instrument Panel)		
	36895126	Cord (Ballast Box to Instrument Panel)		
	36896181	Curley Cord with Junction Box		

Bottom Tower Assembly



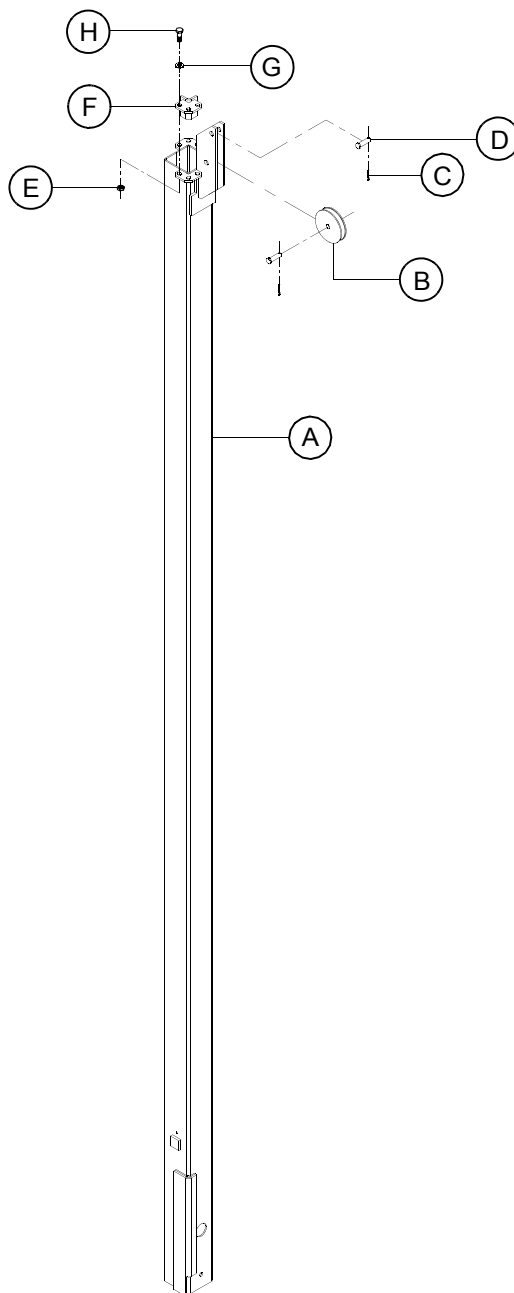
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356526	Nut	1	M20 - 2.5
B	36876225	Cable (5460mm)	1	
C	36923662	Handle, Winch	1	
D	36923654	Winch, Manual	1	
E	54370754	L-Bolt	1	
F	92368687	Screw	4	M6 - 1.0 X 14
G	22348825	Bottom Tower Assembly	1	
	22640890	Bottom Tower Assy. (Special Lift Bail)	1	Continued.....

Bottom Tower Assembly



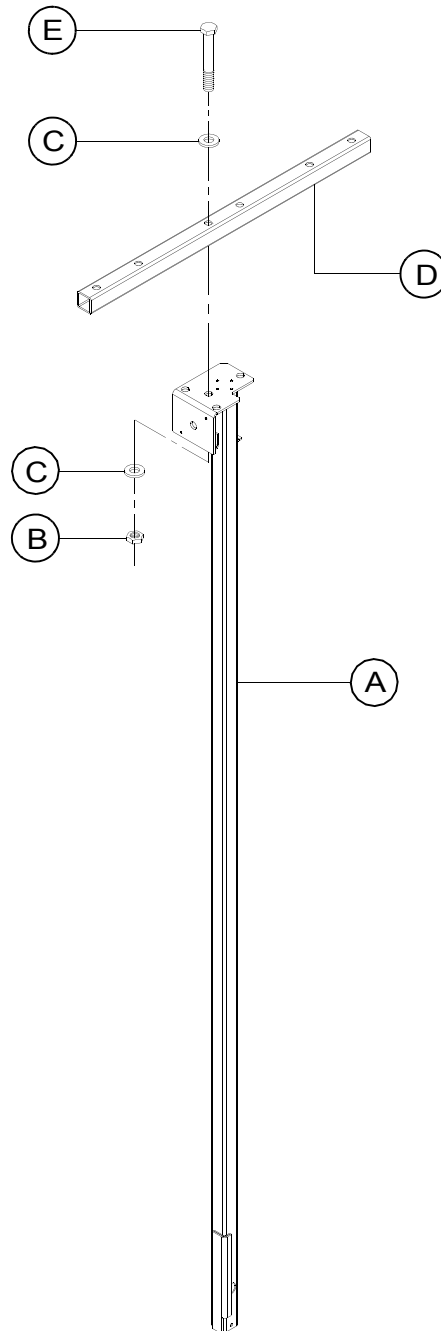
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
H	22335053	Shield, Wire	1	 <i>Continued</i>
J	36783009	Pulley	1	
K	95928867	Pin, Cotter	1	
L	36783868	Pin, Clevis	1	
M	95934998	Washer	4	
N	96702659	Screw	4	
P	22284079	Slide, Tower	2	
Q	36769743	Nut	4	

Middle Tower Assembly



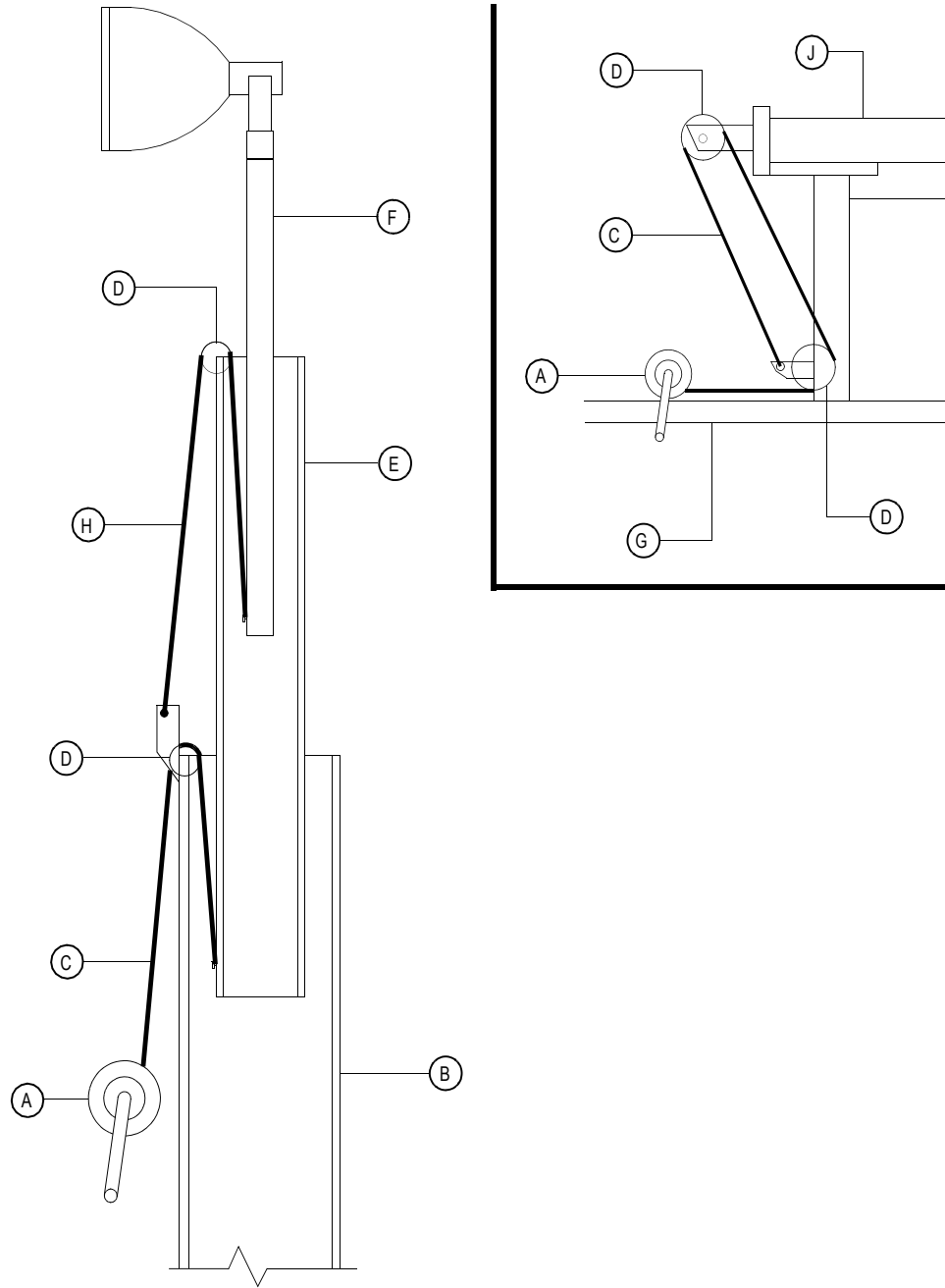
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22284087	Middle Tower Assembly	1	
B	36783009	Pulley	1	
C	95928867	Pin, Cotter	1	
D	36783868	Pin, Clevis	1	
E	36769743	Nut	4	
F	22284079	Slide, Tower	2	
G	95934998	Washer	4	
H	96702659	Screw	4	

Top Tower Assembly



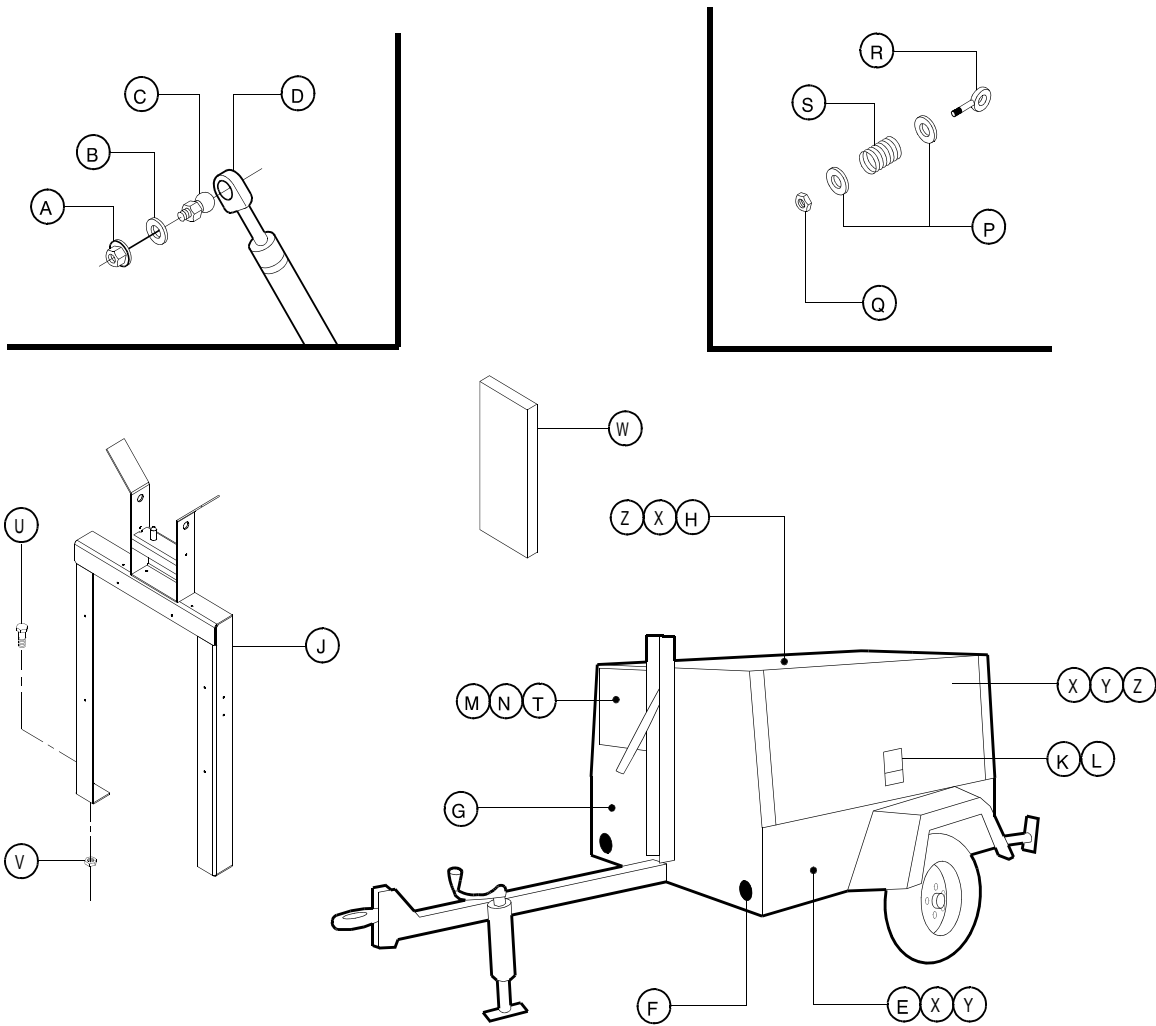
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22284111	Top Tower Assembly	1	
B	95923363	Nut	2	
C	95935011	Washer	4	
D	22284103	Crossbar	1	
E	95995478	Screw	2	

Cable Routing



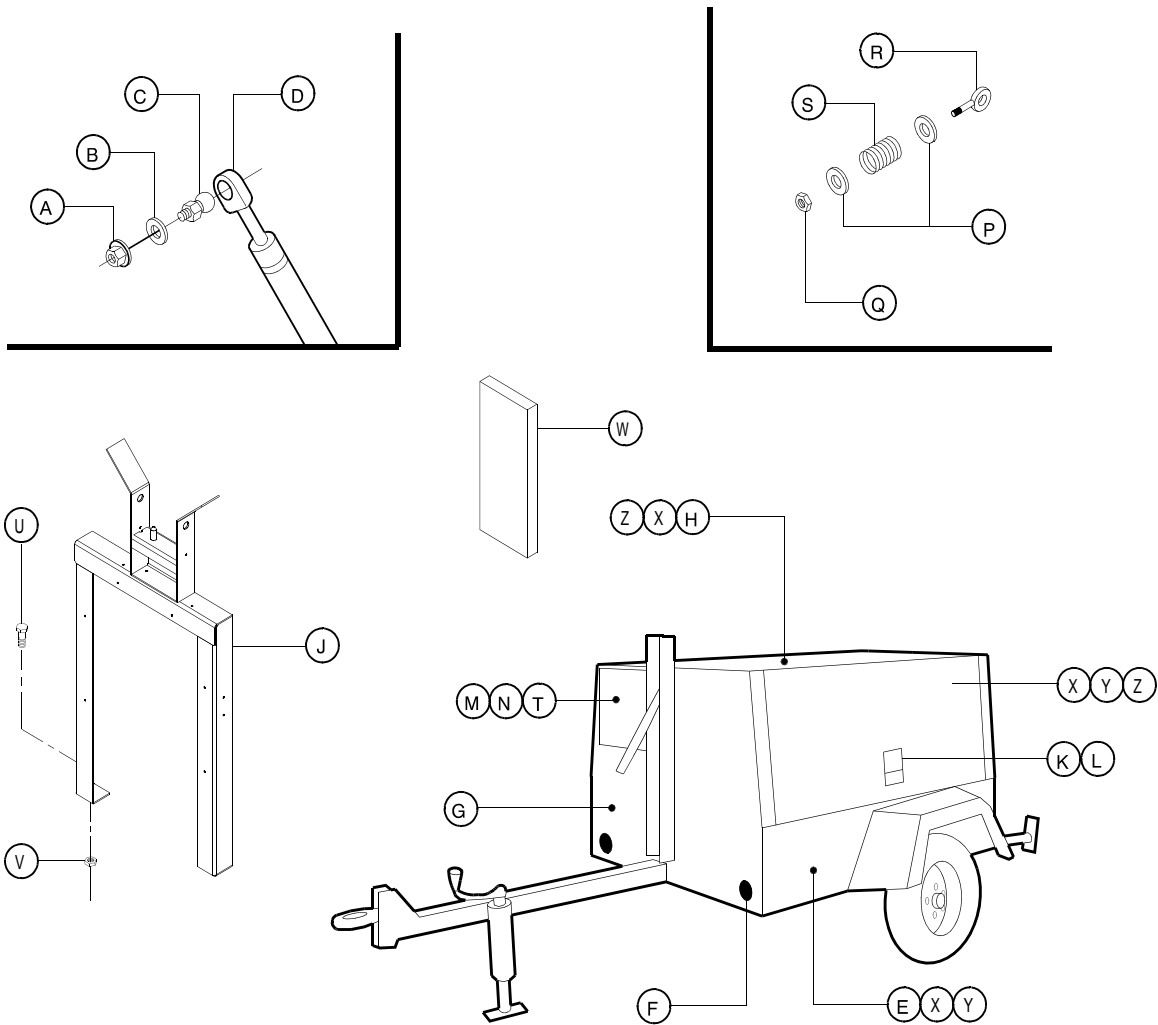
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923654	Winch, Manual	1	
B	22348825	Bottom Tube Assembly	1	
C	36876225	Cable (5460 mm)	1	
D	36783009	Pulley	5	
E	22284087	Middle Tube Assembly	1	
F	22284111	Top Tube Assembly	1	
G	-----	Drawbar (Ref)	1	
H	36868545	Cable (3430)	1	
J	-----	Tower Assembly (Ref)	1	

Enclosure Complete



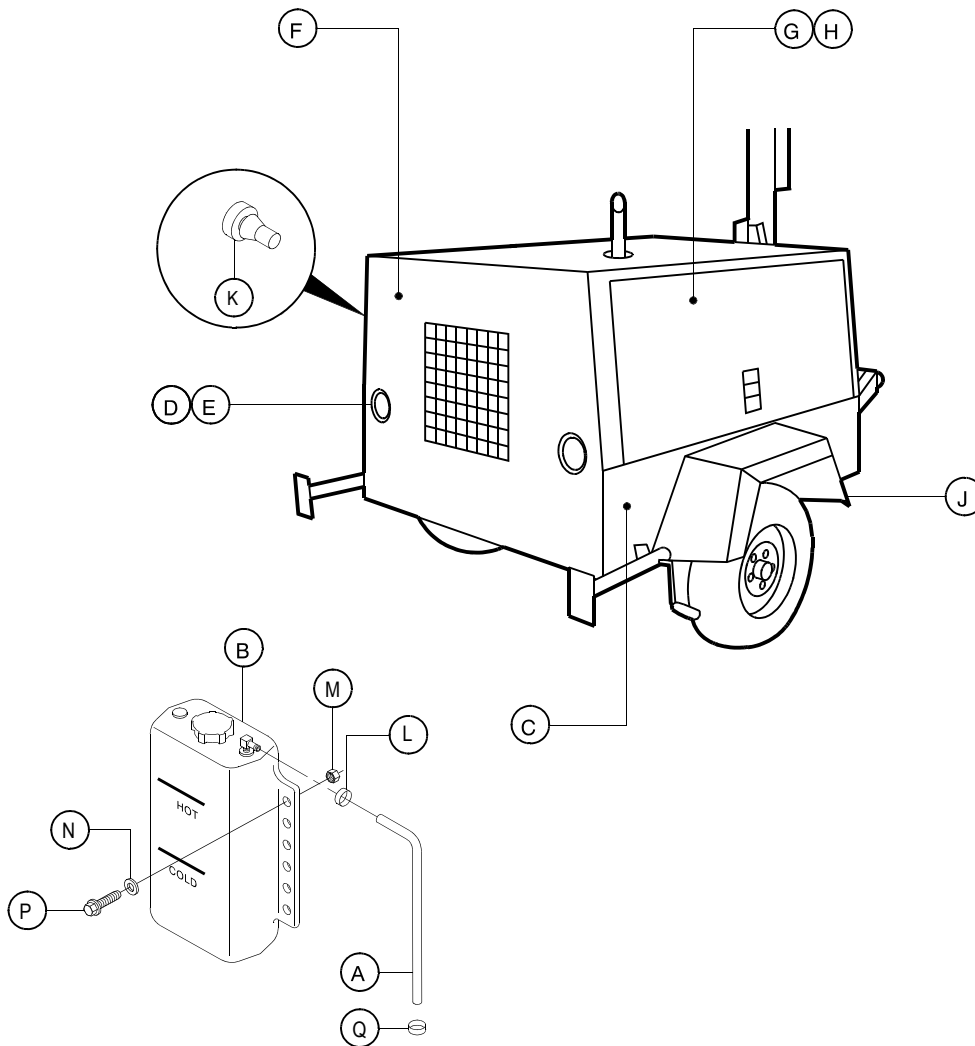
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881886	Nut	4	Serial Codes: D88, D89
B	95934998	Washer	4	
C	35337328	Stud	4	
D	35600279	Spring, Gas	2	
E	36896082	Panel, LH Lower	1	
F	35316298	Reflector, Amber	2	
G	36895084	Panel, Front End - L6	1	
	36895290	Panel, Front End- L8	1	
H	36877710	Roof	1	
J	36868693	Rest, Tower	1	
	46553939	Rest, Tower	1	
K	36793602	Latch, Door	2	
L	36794816	Rivet	8	Continued.....
M	36848265	Door, Control Box	1	
N	36795581	Hinge	1	

Enclosure Complete



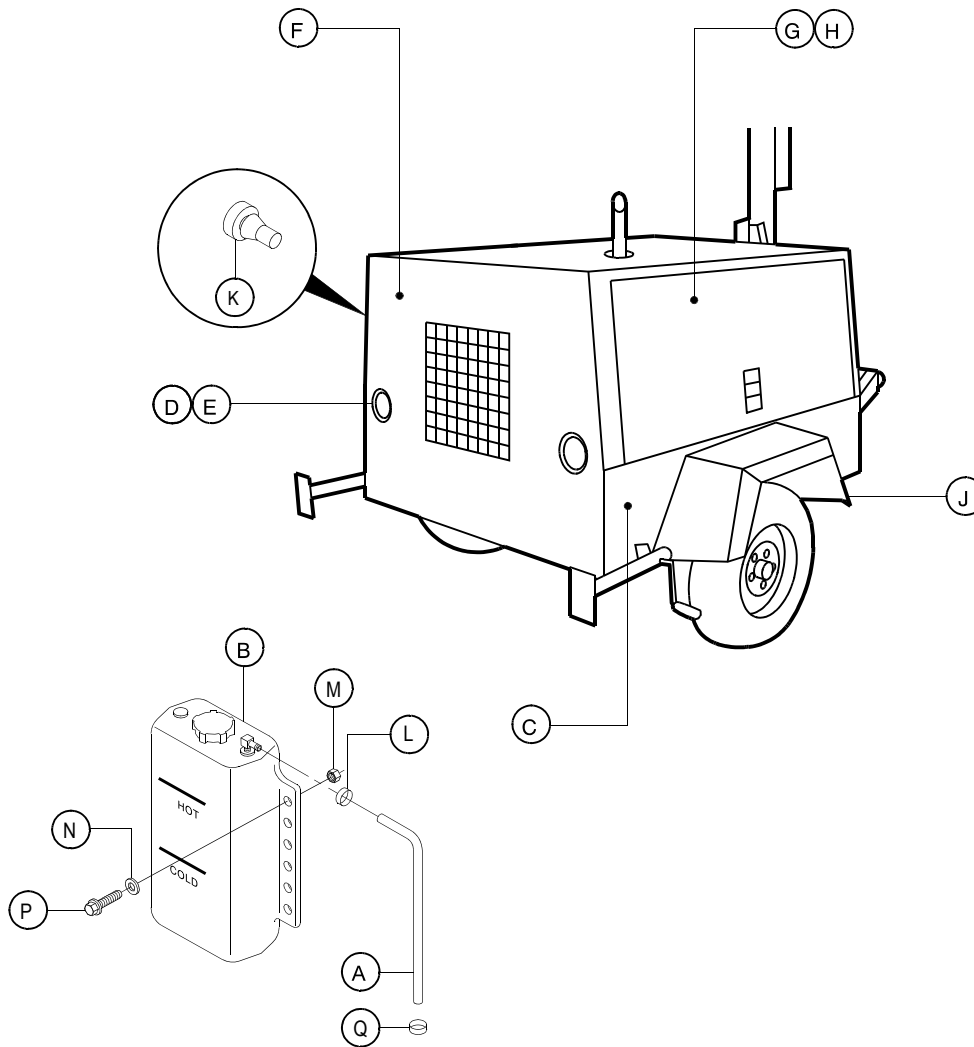
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	36795581	Hinge	1	<i>.....Continued</i> M6 - 1.0 X 12 M6 - 1.0 X 20
P	95935029	Washer		
Q	95923298	Nut	1	
R	35607829	Eyebolt	1	
S	35607837	Spring	1	
T	36784411	Support, Door	1	
U	36877793	Screw	2	
V	36879203	Nut	2	
W	36767051	Foam (Inside Front Panel)	1	
X	36797652	Screw	29	
Y	35300771	Screw	2	
Z	35335991	Plug	1	

Enclosure Complete 2



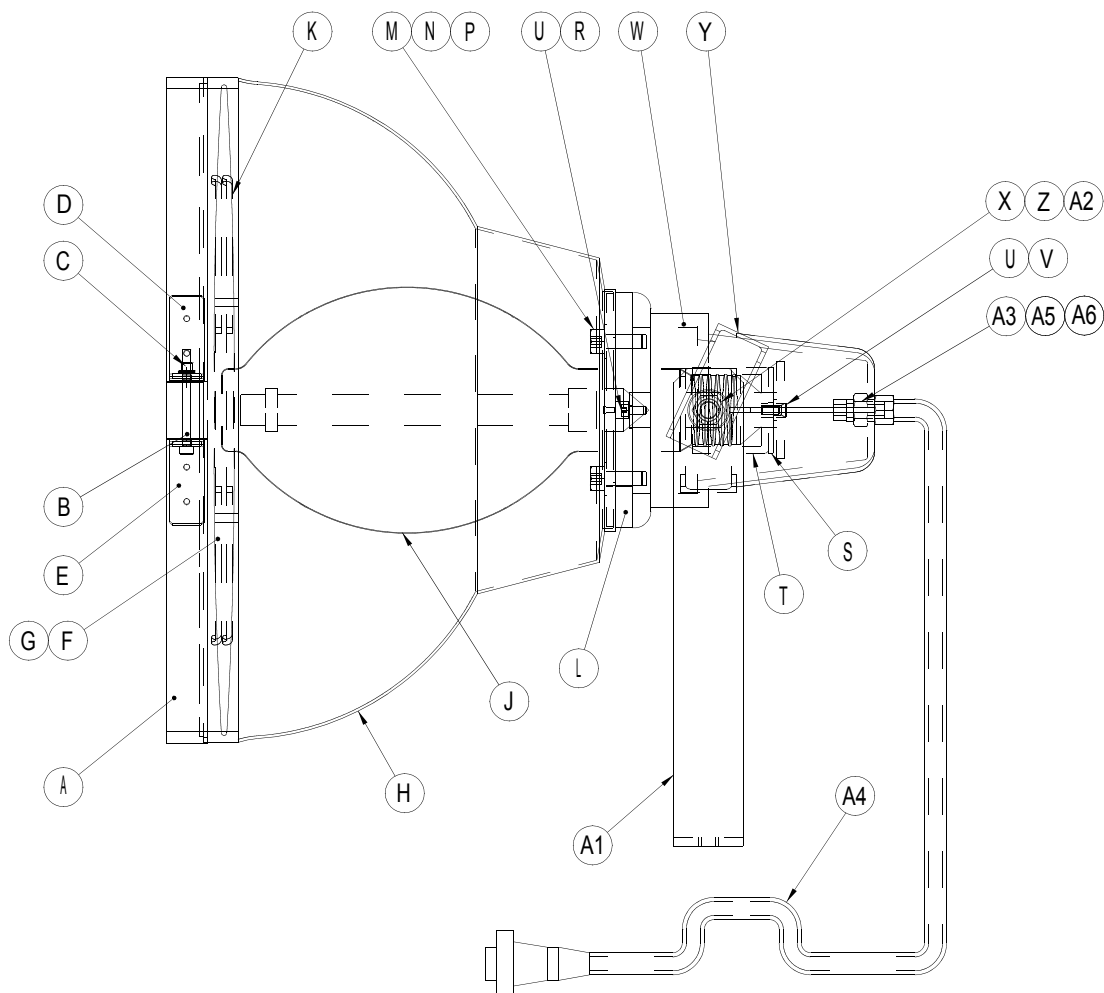
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35363498	Hose (31 inches)	1	<i>Continued.....</i>
B	36845600	Tank, Radiator Overflow	1	
C	36896074	Panel, RH, Lower	1	
D	36787349	Reflector	2	
	36788081	2 Lamp Combo	2	
	36893196	2 Light Combo Harness	1	
E	36787968	Grommet	2	
F	36868685	Panel, Rear End	1	
G	36797215	Door, Side	2	
H	54375381	Hinge, Door	2	
J	36877579	Fender	2	

Enclosure Complete 2



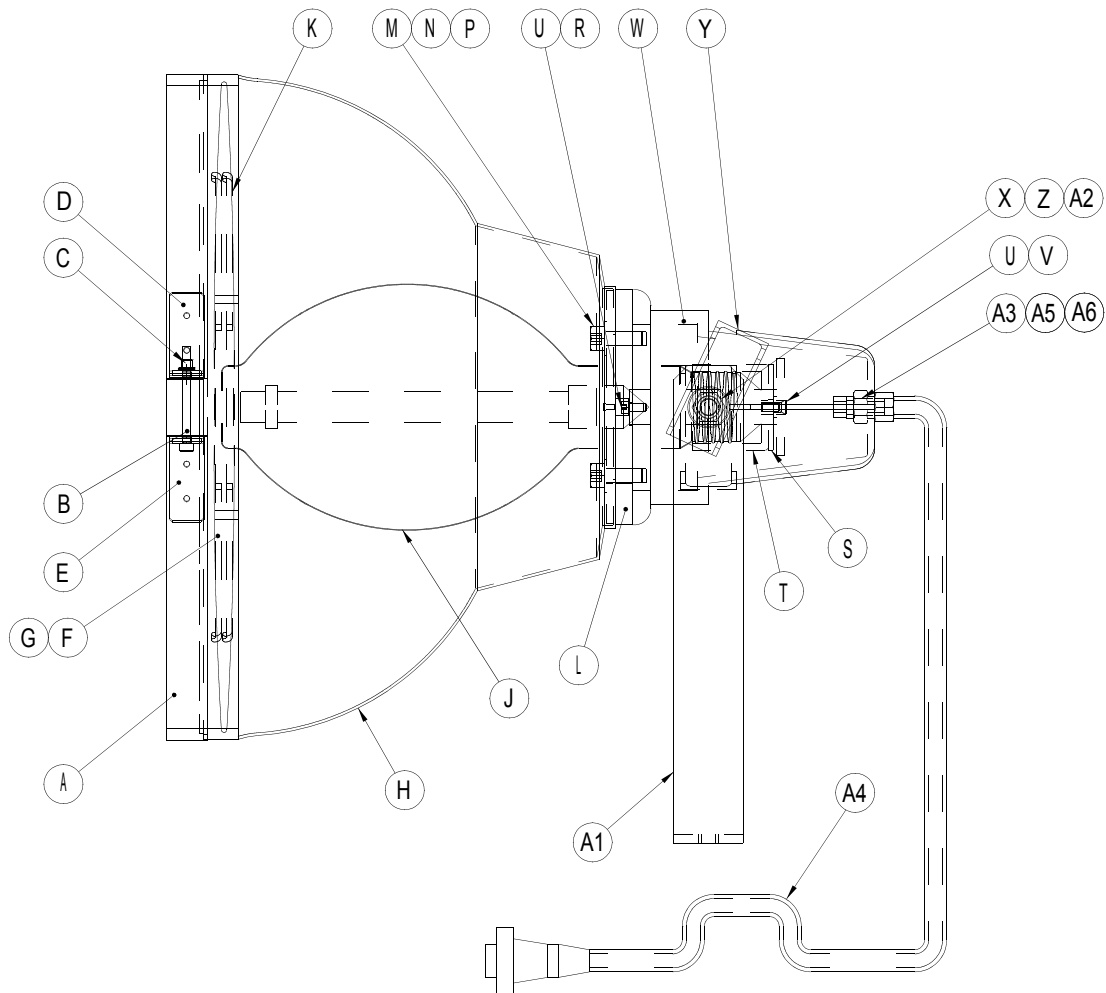
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	36865293	Bumper, Rubber	6	 <i>Continued</i>
L	35296342	Clamp	1	
	36893196	2 Light Wiring Harness	1	
	36893345	4 Light Wiring Harness and Electric Brakes)	1	
M	96735543	Nut	2	M8 - 1.25
N	35934998	Washer	2	
P	35279025	Screw	2	M8 - 1.25 X 20
Q	35225077	Clamp	1	

1000 Watt Optical Socket Assembly



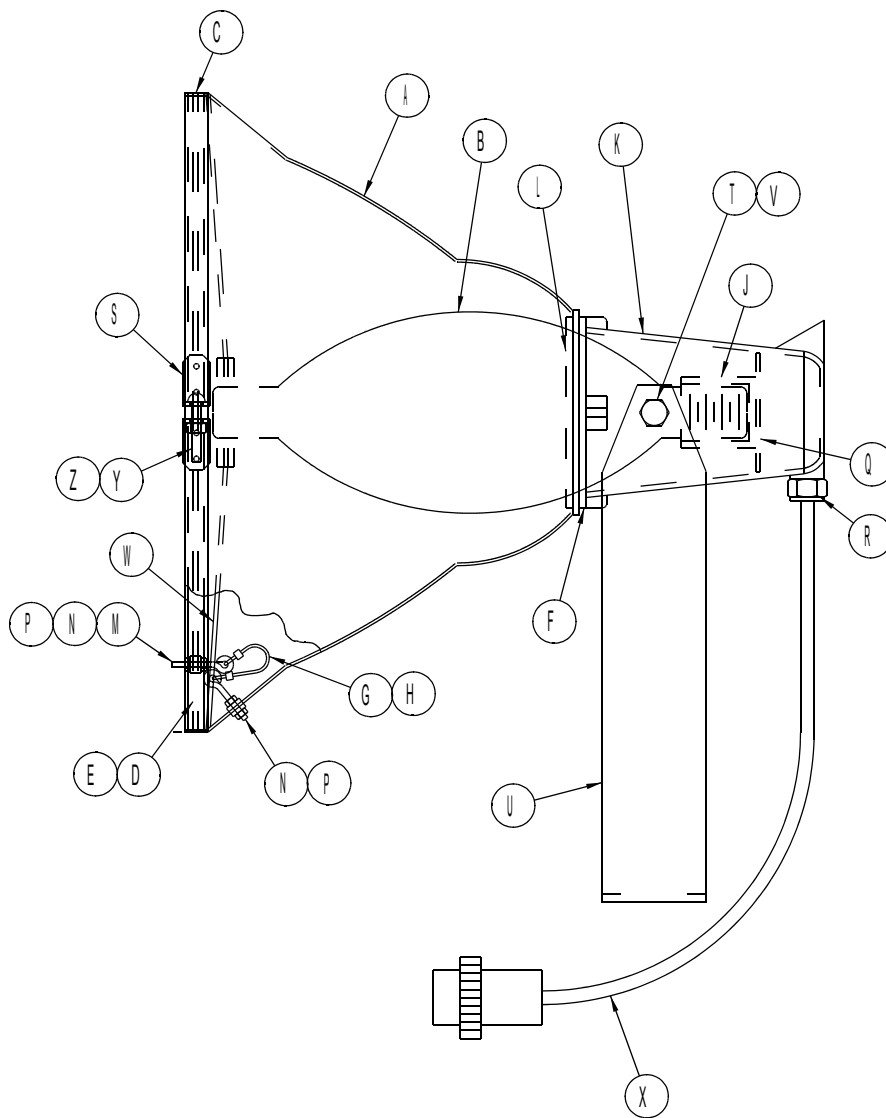
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	22501217	Optical Assembly, Complete		
A	22515480	Clamp, Band Assembly	1	
B	22515498	Screw	1	
C	22515506	Nutsert	1	
D	22515514	Clamp, Band Left Angle Bracket	1	
E	22515522	Clamp, Band Right Angle Bracket	1	
F	22515530	Gasket, Lens	1	
G	22515548	Lens, Glass	1	
H	22515555	Reflector, Dimpled	1	
J	36847747	Lamp, Metal Halide	1	
	36796837	Lamp, High Pressure Sodium	1	
K	22515571	Brace, Lamp	2	
L	22515589	Gasket, Reflector Housing	1	
M	22515597	Screw	4	
N	22515605	Rivet, Aluminium	2	
P	22515613	Ring, Reflector	1	
				Continued.....

1000 Watt Optical Socket Assembly



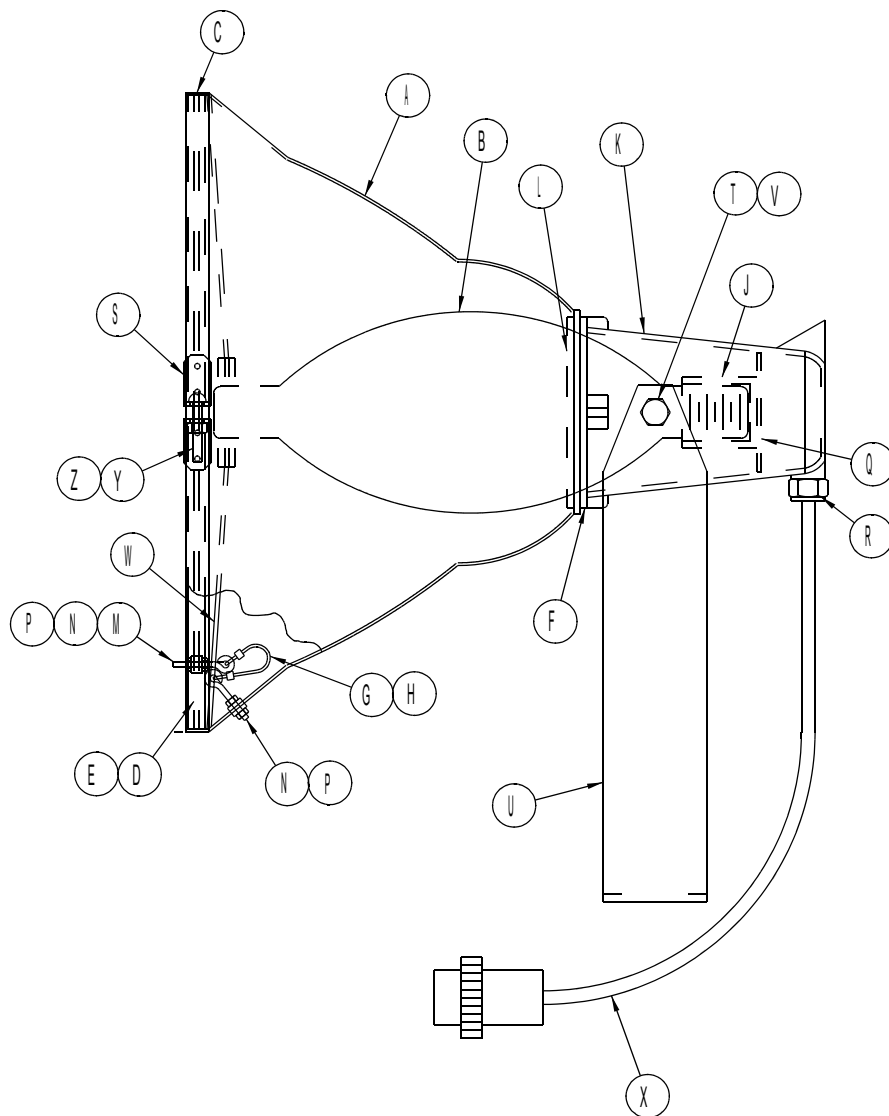
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	22515621	Screw	2	Continued
R	22515639	Bracket, Socket	1	
S	22515647	Insulator, Lamp Holder	1	
T	22515654	Socket, Mogul	1	
U	22515662	Screw	2	
V	22515670	Plate, Heat Sink	1	
W	22515688	Casting, Aluminium	1	
X	22515696	Bolt	2	
Y	22515704	Handle, Adjustment	2	
Z	22515712	Washer, External Tooth	2	
A1	22515720	Trunnion, Galvanized	1	
A2	22515738	Washer, Lock	2	
A3	36779346	Cord, Quick Connect	1	
A4	22515753	Strain Relief	1	
A5	22515761	Nut, Wire	2	
A6	22515779	Sleeve, Fiberglass	3	

1500 Watt Optical Socket Assembly



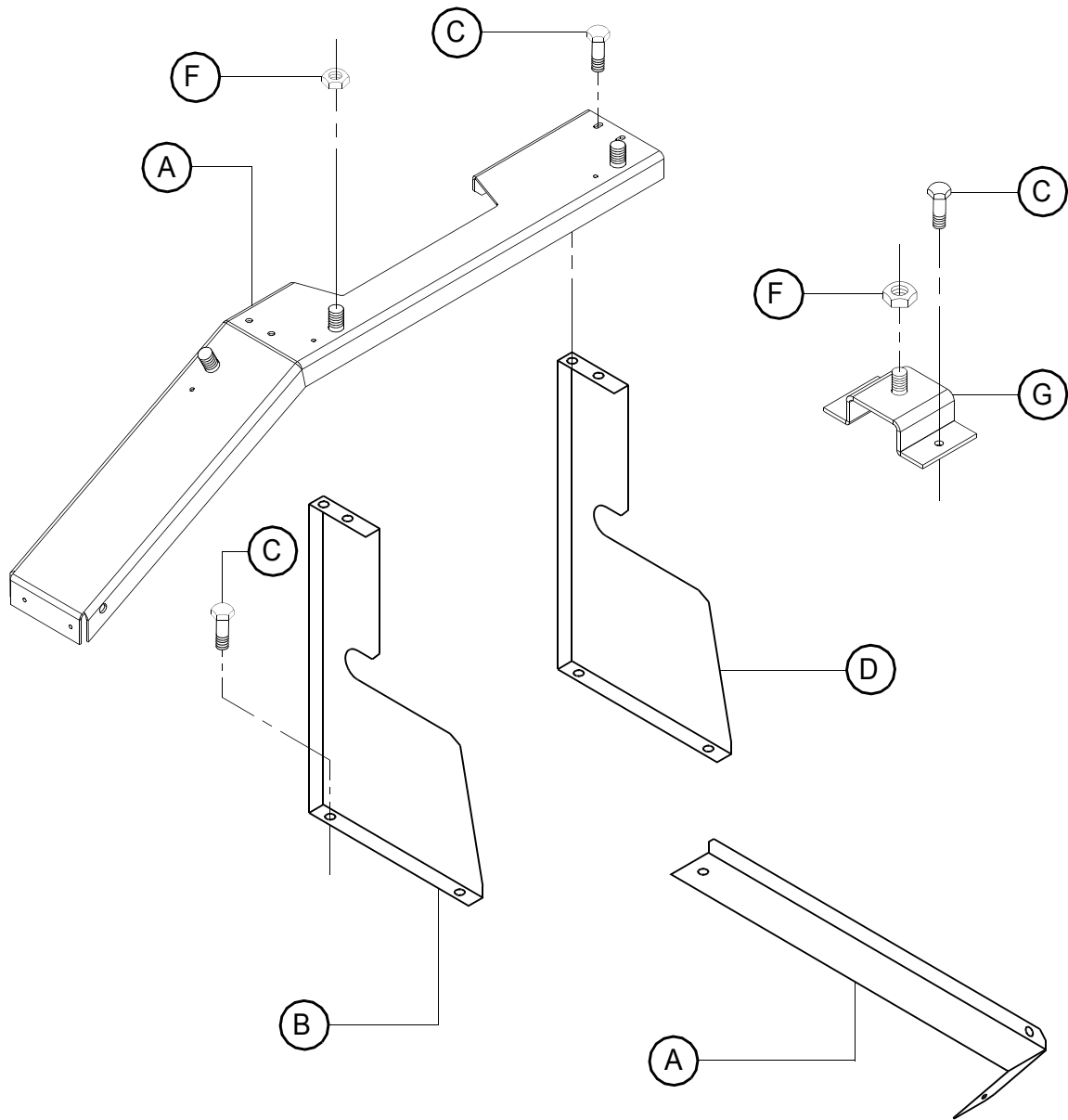
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	22263016	Optical Assmembly, Complete		
A	36885275	Reflector	1	
B	22262612	Lamp, 1500 watt Metal Halide	1	
C	36885291	Ring, Retaining	1	
D	36885309	Gasket	1	
E	36885317	Lens	1	
F	36885325	Gasket	1	
G	36885333	Cable, Lens Support	1	
H	36885341	Cable, Crimps	2	
J	36885358	Socket	1	
K	36885366	Housing	1	
L	36885374	Ring, Re-inforcement	1	
M	36885382	Sleeve, Insert	1	
				Continued.....

1500 Watt Optical Socket Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	36885390	Locknut	4	Continued
P	36885408	EyeBolt	2	
Q	36885416	Bracket, Socket Mounting	1	
R	36885424	Relief, Strain	1	
S	36885432	Bracket, Lens " L "	2	
T	36885440	Bolt	2	
U	36922920	Trunion	1	
V	36885465	Washer	2	
W	36885473	Support, Metal Halide Lamp	1	
X	36885481	Cord With Plug	1	
Y	-----	Bolt (1/4 - 20)	1	
Z	-----	Nut (1/4 20)	1	

Light Storage

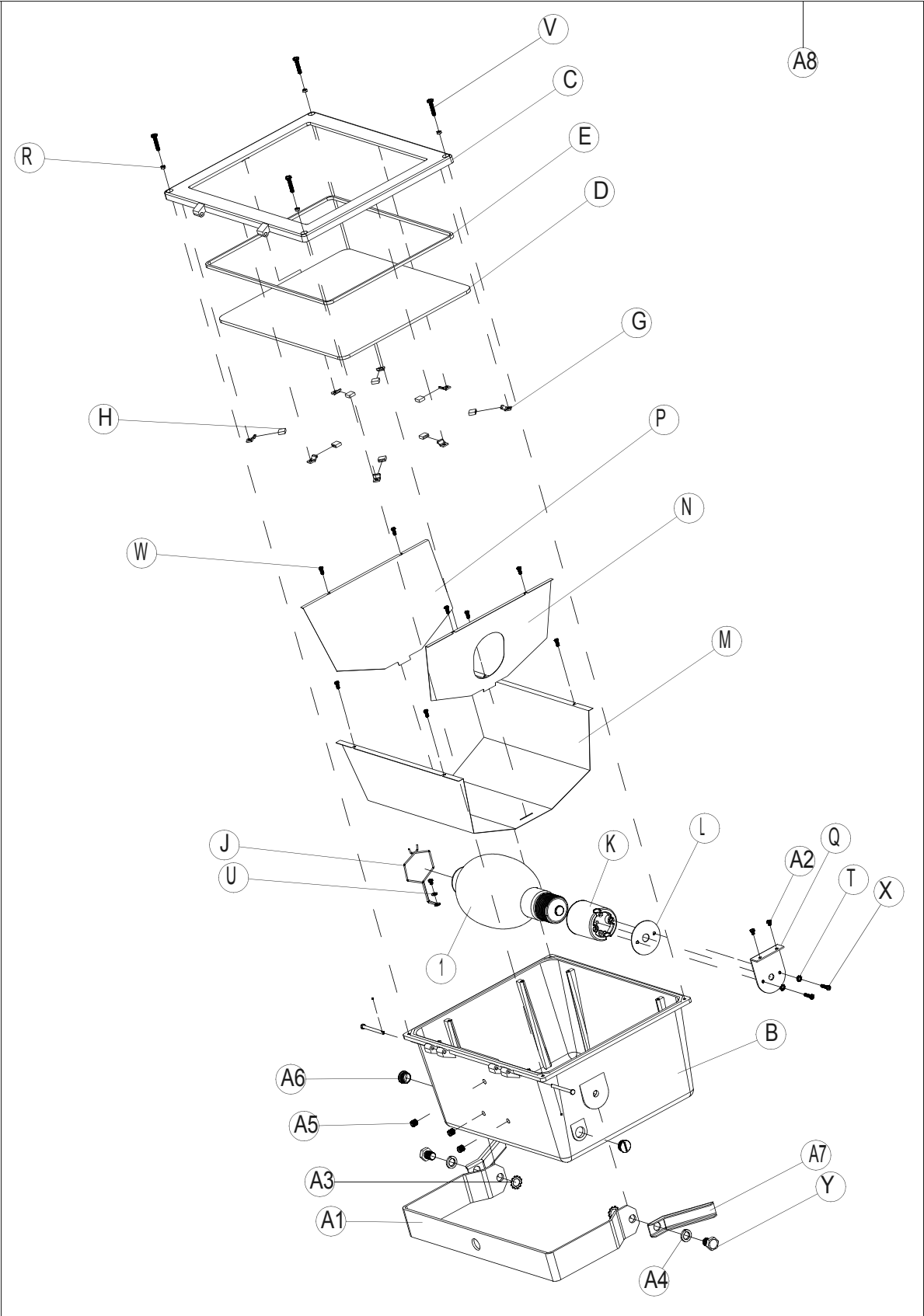


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22515571	Brace, Lamp Storage	2	
B	36899375	Bracket, Left Lamp Storage	1	
C	92368687	Screw	8	
D	36899383	Bracket, Right Lamp Storage	1	
E	36922870	Bracket, Upper Lamp Storage	1	
F	95922928	Nut	1	
G	36922862	Bracket, Single Lamp Storage	1	

Lamp / Socket Assembly - Square Lens With Square Back

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 - Square Lens With Square Back

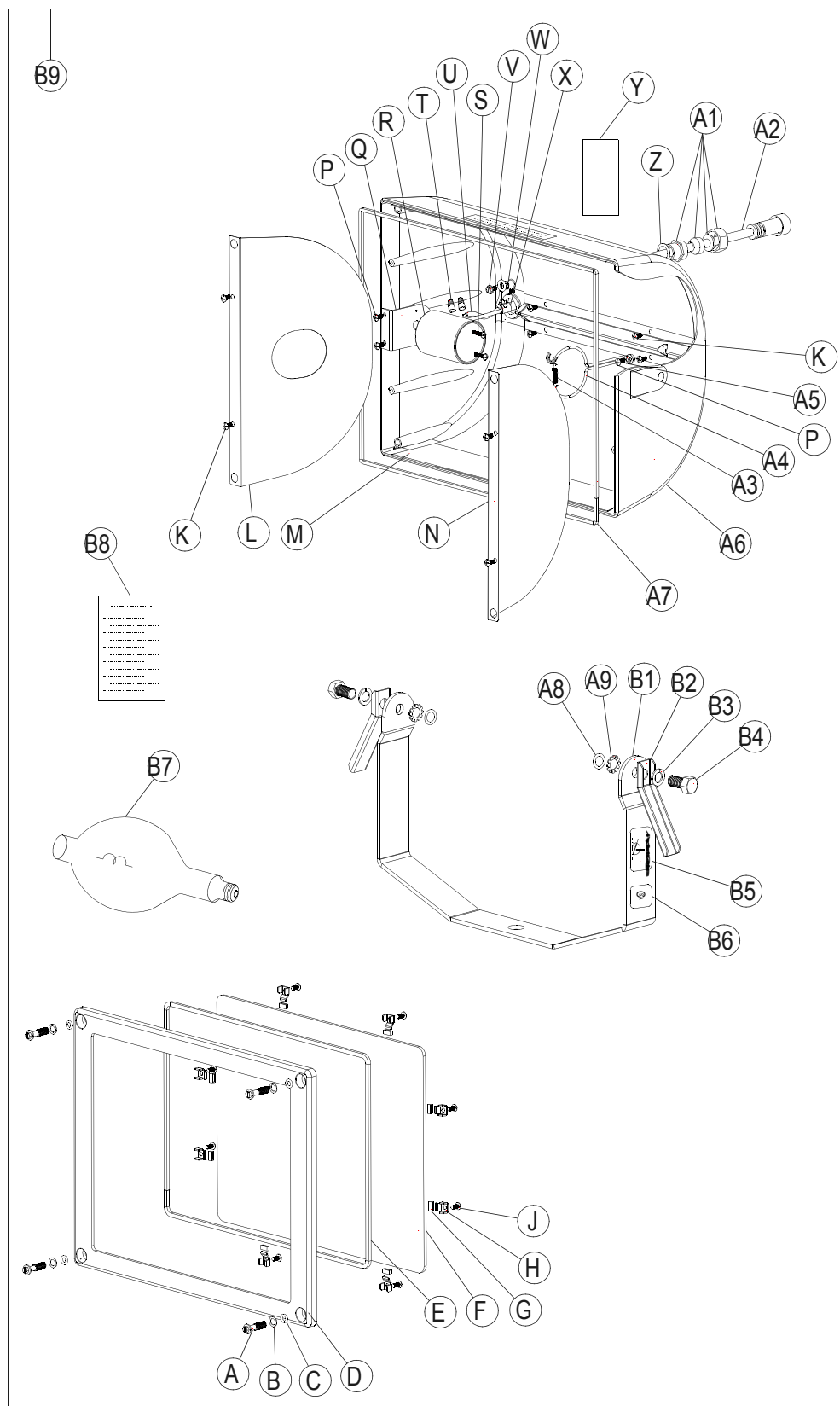


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Lamp / Socket Assembly - Square Lens With Round Back

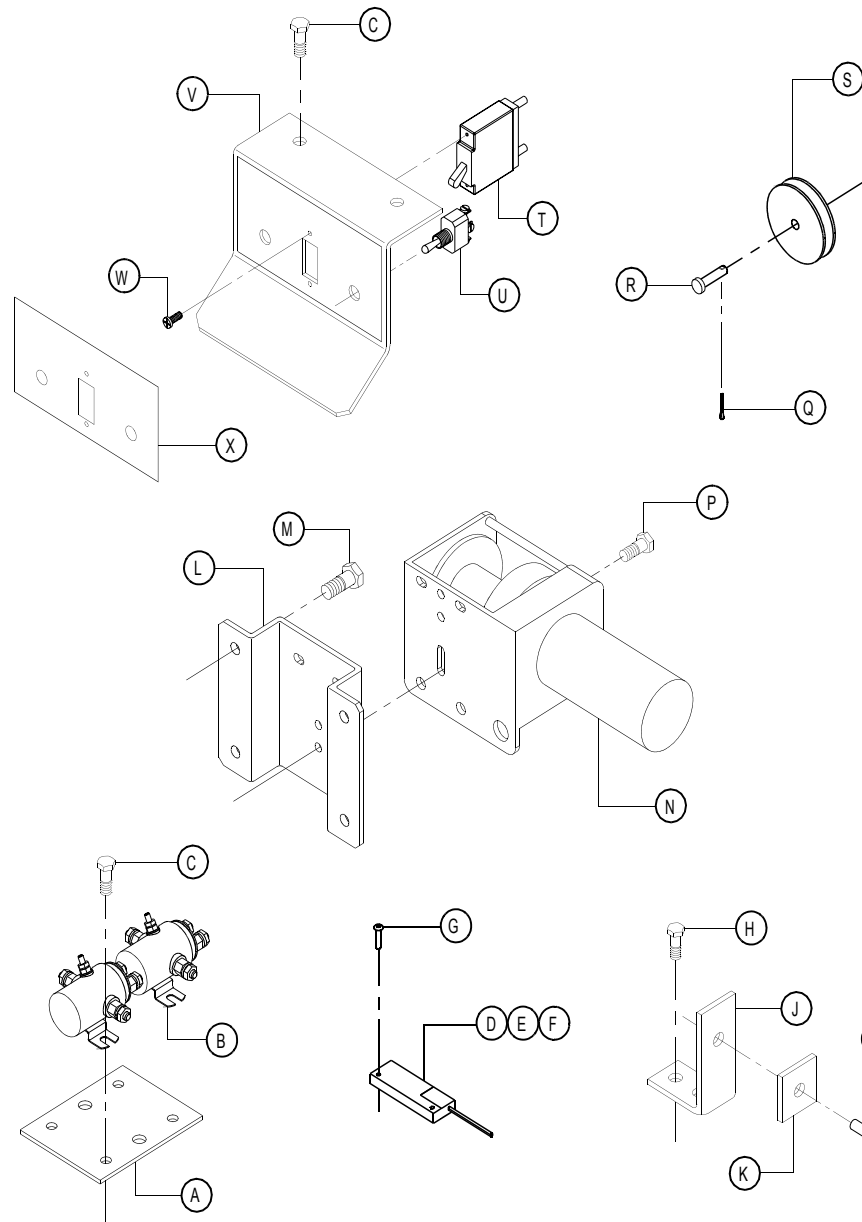
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46497236	Screw	4	
B	46497228	Washer, Flat	4	
C	46497210	Washer, Rubber	4	
D	46497202	Frame, Top	1	
E	46497194	Gasket, Lens	1	
F	46497186	Lens, Glass	1	
G	23177371	Cover, Lens Clip	8	
H	23177371	Clip, Lens	8	
J	46497178	Screw	8	
K	46497160	Screw	8	
L	46497152	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	

Lamp / Socket Assembly - Square Lens With Round Back



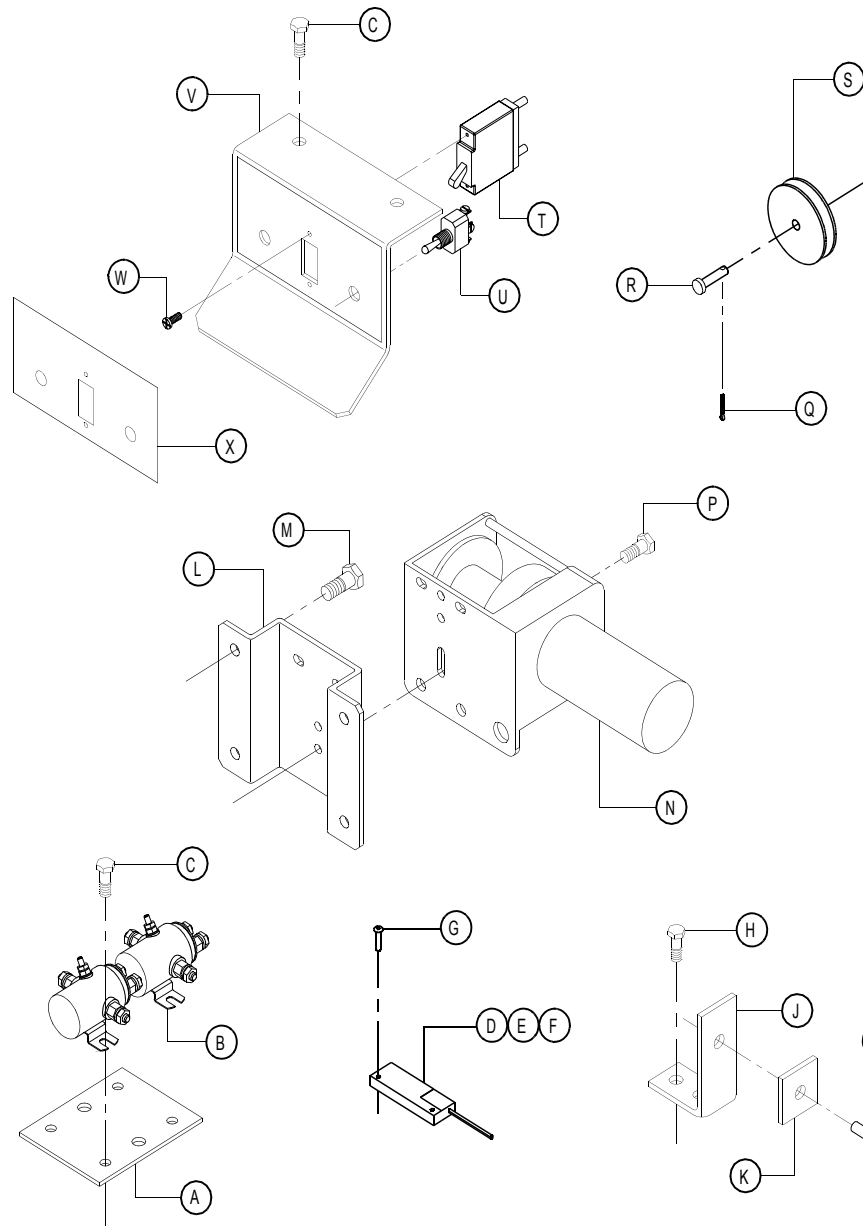
22902458_037_05/06_A

Electric Winch Assembly



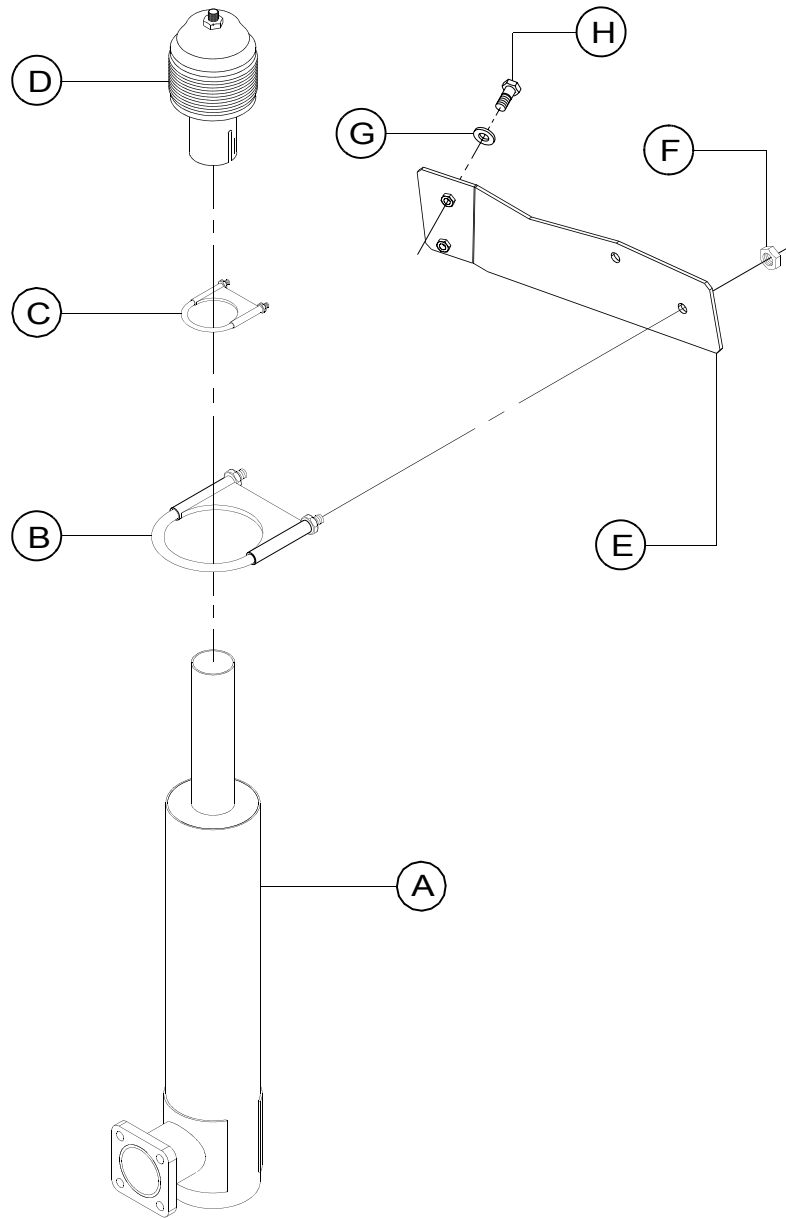
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881548	Bracket, Solenoid Mounting	1	Continued.....
B	22451702	Relay, Electric Winch	2	
C	92368687	Screw	10	
D	36876803	Sensor, Proximity	2	
E	35323385	Terminal	4	
F	35356583	Mount	6	
G	36792414	Rivet	6	
H	35300771	Screw	2	
J	36877801	Bracket, Magnet	1	
K	36876746	Sensor, Magnet	1	
L	36894343	Bracket, Electric Winch	1	

Electric Winch Assembly



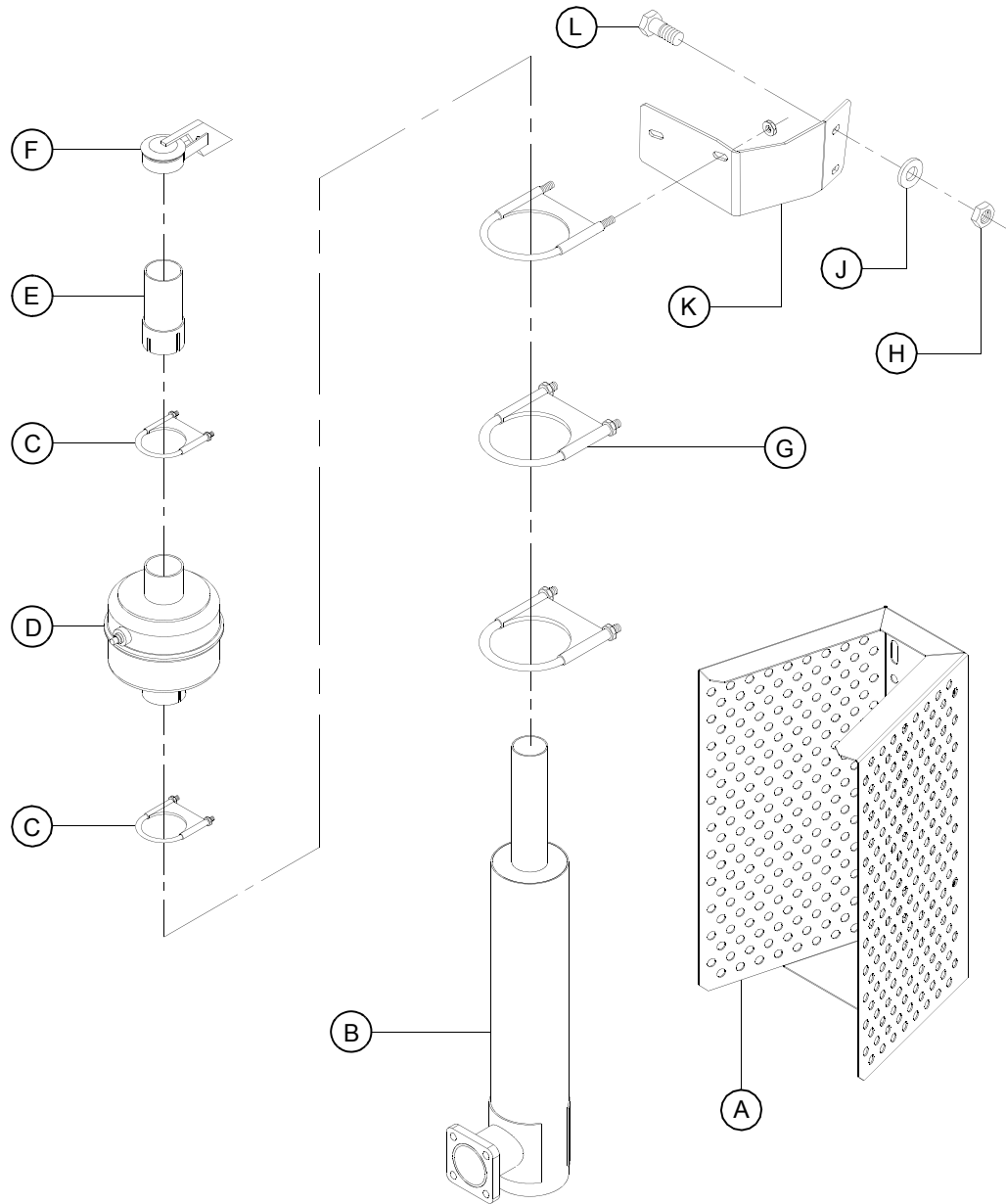
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	35279025	Screw	4	 <i>Continued</i>
N	36878056	Winch, 12 Volt	2	
P	35271162	Screw	6	
Q	95928867	Pin, Cotter	1	
R	36869246	Pin, Clevis	1	
S	36783009	Pulley	1	
T	36850402	Breaker, 70amp Circuit	1	
U	36794204	Switch, Toggle	2	
V	36875284	Bracket, Winch Switch	1	
W	95942496	Screw	1	
X	36525905	Decal, Electric Winch	1	

Spark Arrestor



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36875300	Muffler	1	
B	35292333	Clamp	1	
C	35369743	Clamp	1	
D	35612936	Arrestor, Spark	1	
E	22317804	Bracket, Support	1	
F	95922894	Nut	2	
G	95934998	Washer	2	
H	96702055	Screw	2	

Nelson Spark Arrestor



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22655690	Guard, Exhaust	1	
B	36875300	Muffler	1	
C	35369743	Clamp	1	
D	22617435	Arrestor, Spark	1	
E	22617427	Extension, Exhaust	1	
F	22617419	Cap, Rain	1	
G	35292333	Clamp	3	
H	36881886	Nut	2	
J	95934998	Washer	2	
K	22656532	Bracket, Support	1	
L	96702055	Screw	2	

Decal Location

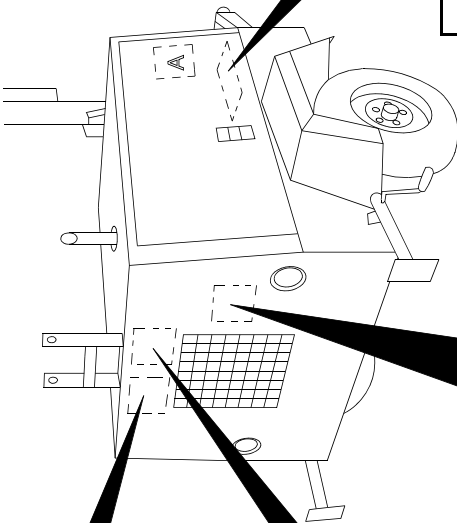
		Decal	Location		
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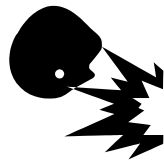
	WARNING	 Rotating fan blade. Can cause serious injury. Do not operate without guard on place.	54568779 REV. A Ingersoll Rand
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54568779 ROTATING FAN DECALS

 	WARNING	 Hot pressurized fluid. Can cause severe burns. Do not open radiator while hot.	54568761 REV. A Ingersoll Rand
--	----------------	---	--

54568761 HOT PRESSURIZED FLUID DECAL



	WARNING	 Combustible gas. Can cause serious burns, blindness or death. Keep sparks and open flames away from batteries.	54568753 REV. A Ingersoll Rand
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54568753 BATTERY GASES DECAL

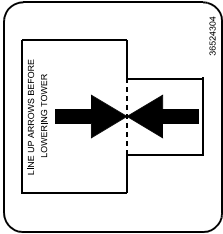
	WARNING	Improper operation of this equipment. Can cause serious injury or death. Read Operator's Manual supplied with this machine before operation or servicing. Modification or alteration of this machine. Can cause serious injury or death. Do not alter modify this machine without the express written consent of the manufacturer.	54568787 REV. A Ingersoll Rand
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54568787 IMPROPER OPERATION DECAL (L6)

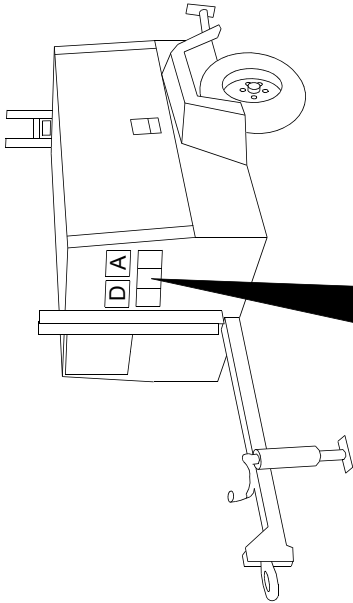
Decal Location

		Decal	Location		
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36524304 ALIGN ARROWS DECAL



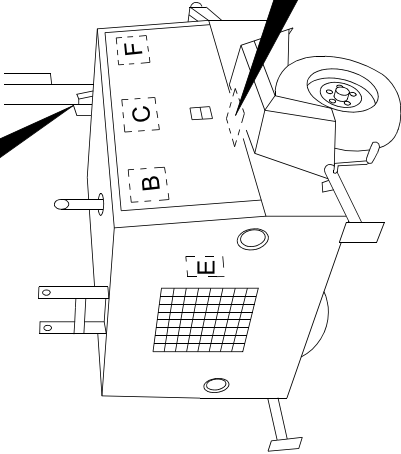
- | | | |
|---|----------|-------------------------------|
| A | 36531564 | TOWER OPERATION DECAL |
| B | 36523918 | WIRING DIAGRAM DECAL (DC) |
| C | 38523926 | WIRING DIAGRAM DECAL (AC 8KW) |
| | 36523934 | WIRING DIAGRAM DECAL (AC 8KW) |
| D | 54604954 | LIFTING INSTRUCTIONS DECAL |
| E | 54630041 | SERIAL NUMBER PLATE |
| F | 36523868 | OPERATING INSTRUCTIONS DECAL |



	WARNING Crush area. Can cause serious injury. Stay clear.
	WARNING Non-vertical tower. Can cause serious injury or death. Extend, retract or use in VERTICAL position only. Latch and lock pin securely.
	DANGER Electric shock hazard. Will cause serious injury or death. Do not position light tower under electric power lines.

Ingersoll Rand 54604905 REV. A

54604905 3-PART WARNING DECAL



	WARNING Hazardous voltage. Can cause serious injury or death. Disconnect power before servicing. Lockout / tagout machine.
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Ingersoll Rand 54605027 REV. A

54605027 HAZARDOUS VOLTAGE DECAL

Decal Location

54568803 JACKSTAND / TOWING DECAL

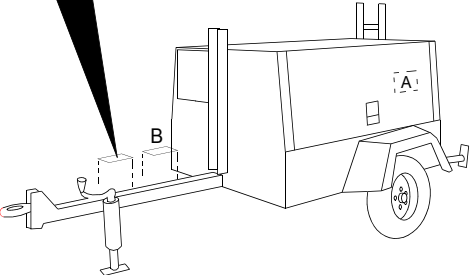
105
km/h

⚠WARNING

**Collapsing jackstand.
Can cause serious injury.**
Insert locking pin completely.

**Excessive towing speed.
Can cause serious injury
or death.**
Do NOT exceed 65 mph (105 km/hr.)

Ingersoll Rand54568803 REV. A



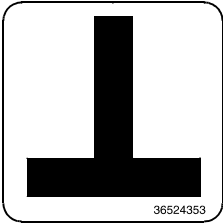
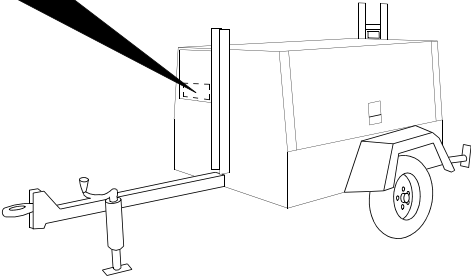
- A 36516474 DIESEL FUEL DECAL
- B 54604921 BEFORE TOWING DECAL
- 54604947 ULTRA VIOLET DECAL

36522035 IMPROPER OPERATION DECAL (L6)

⚠WARNING

**Improper operation of this equipment.
Can cause serious injury or death.**
Read Operator's Manual supplied with
this machine before operation or
servicing.
**Modification or alternation of this machine.
Can cause serious injury or death.**
Do not alter modify this machine
without the express written consent of
the manufacturer.

Ingersoll Rand54568787 REV. A



36524353 VERTICAL TOWER DECAL

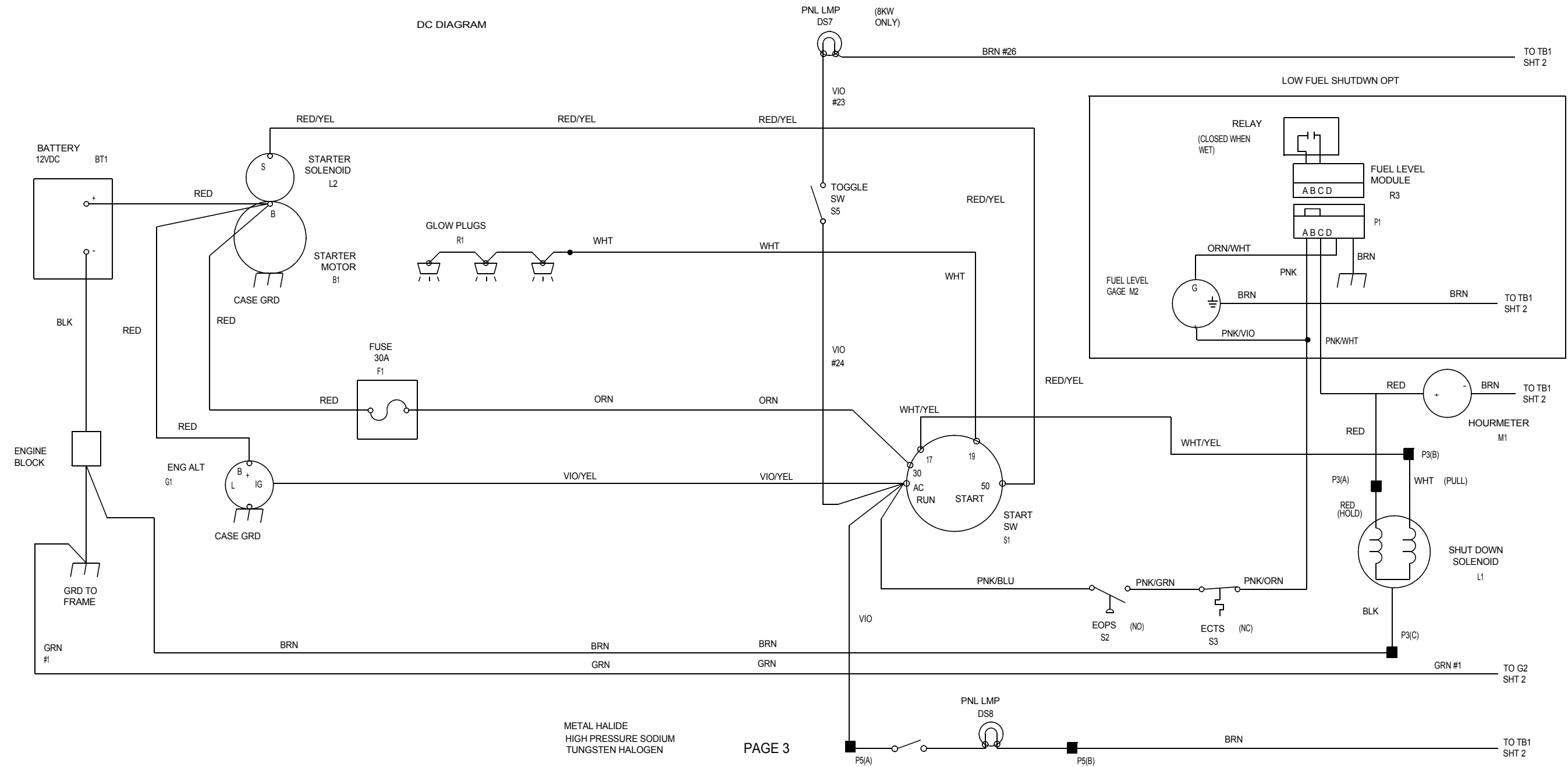
		Decal	Location		
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Wiring Parts List

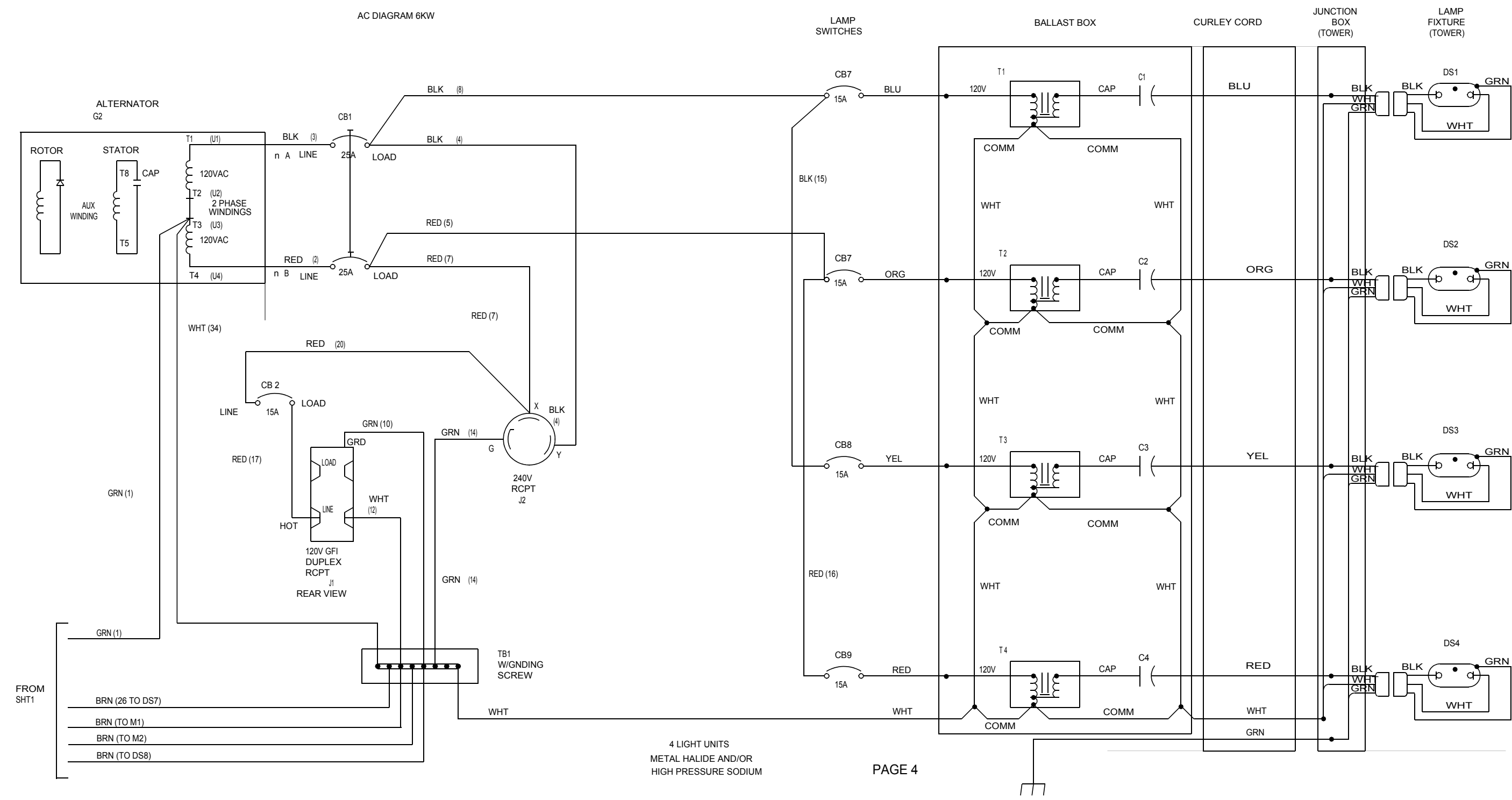
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
BT1	36844967	12 Volt Battery		
F1	35298041	20 Amp Fuse		
S1	36786457	Start Switch		
S2	36757581	Engine Oil Pressure Switch		Prior to S/N: 384254
S2	36878379	Engine Oil Pressure Switch		After S/N: 384254
S3	36868479	Engine Temp. Switch		
S4	35337435	Toggle Switch		
M1	36841245	Hourmeter		
R1	NSS	Glow Plugs (Supplied with Engine)		
L1	NSS	Shutdown Soleniod (Supplied with Engine)		
L2	NSS	Starter Soleniod (Supplied with Engine)		
M2	35604099	Gage, Fuel Level		Prior to S/N: 382902
M2	22773337	Gage, Fuel Level		After S/N: 382902
DS1-DS6	36847747	Metal Halide Lamp		
DS1-DS4	36796837	High Pressure Sodium Lamp		
----	23084965	Metal Halide Lamp (for Square Lamp Assemblies)		
DS7	36843852	Panel Lamp		
DS8	36844066	Reel Lamp		
R3	36789931	Module, Fuel Level		
G2	36882504	Generator - 6kw		Prior to S/N: 373437
G2	22389381	Generator - 6kw		After S/N: 373437
G2	36883528	Generator - 8kw		
CB1	36875953	Main Circuit Breaker (6kw)		
CB2-CB3	35371772	120V Receptacle Breaker		
CB6-CB10	36898229	15 Amp Breaker		
S6-S9	35337435	Lamp Switch		
CB11	36875961	Main Circuit Breaker (8kw)		
J1-J2	36883817	125V Receptacle		
J3	36848752	250V Receptacle		
----	36898062	Kit, Ballast MH or HPS		
TB1	36769149	Bus Bar		
	23300270	Diode Kit - L6		
	22891790	NDE Bearing - L6		

Section 3 - Electrical Schematics

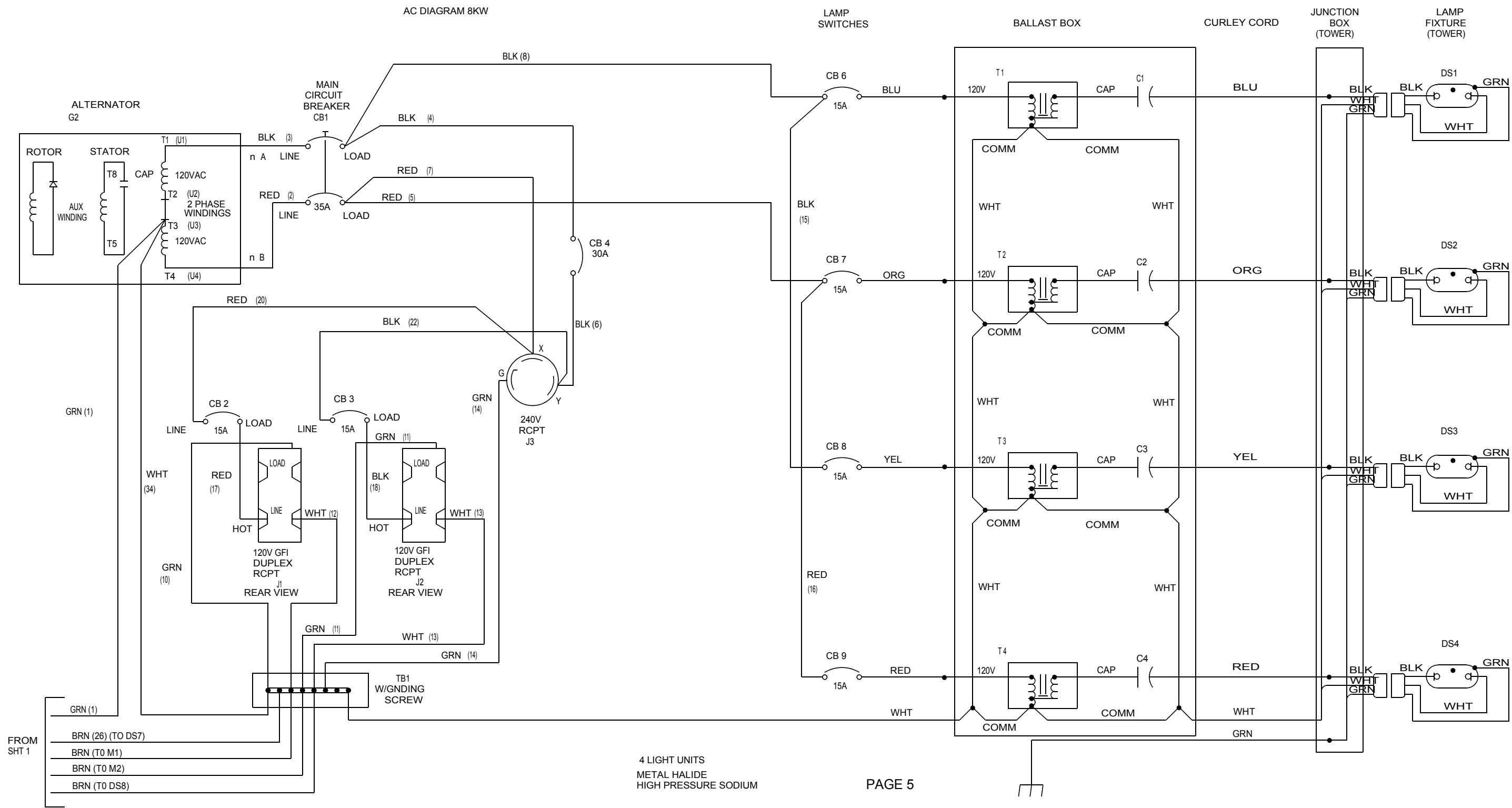
Wiring Diagram



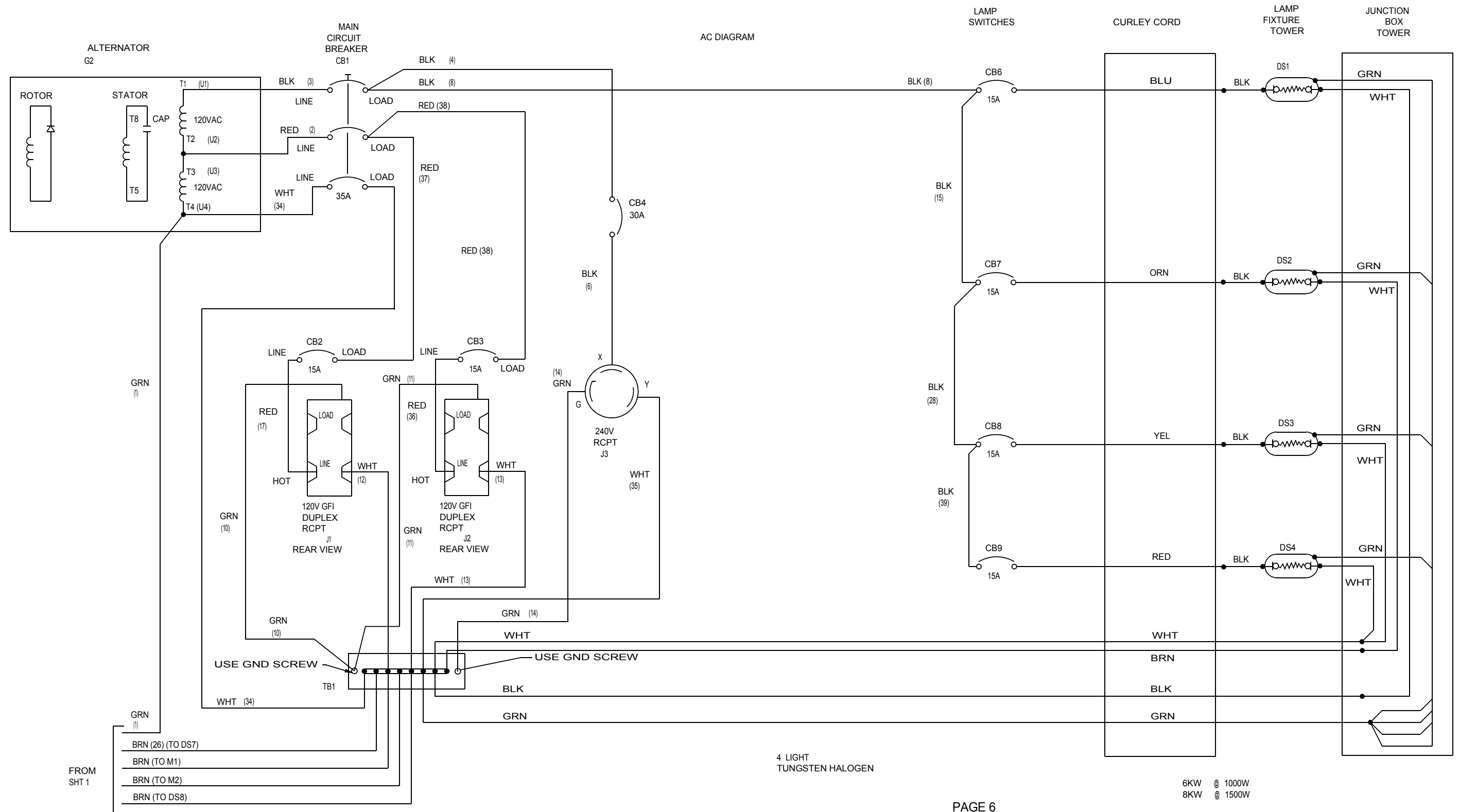
Wiring Diagram



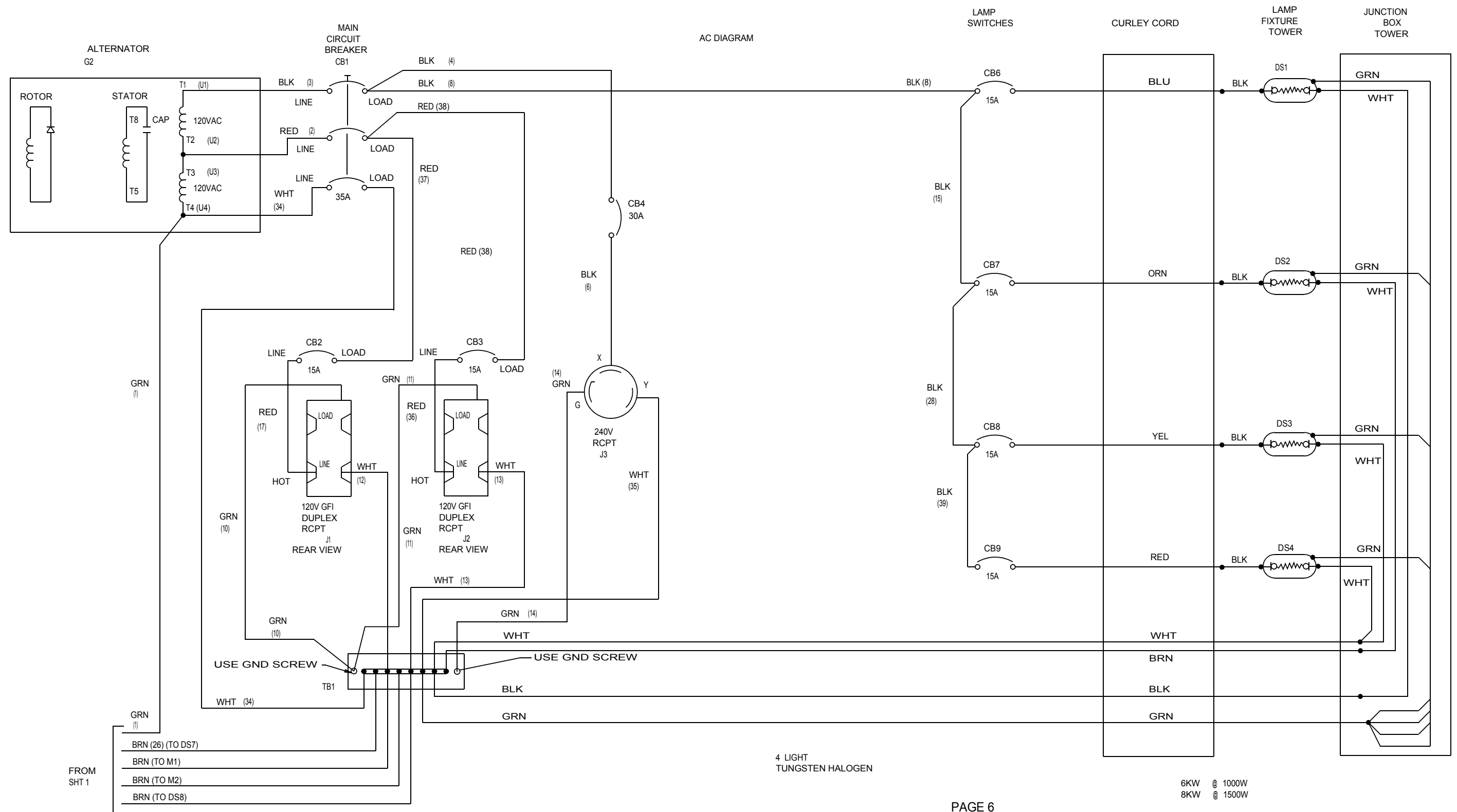
Wiring Diagram



Wiring Diagram



Wiring Diagram



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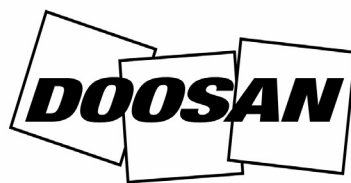
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Revision History

<u>Rev Level</u>	<u>EC Number</u>	<u>Comments</u>
A	SVC30856	Original Release 3-7-06
B	SVC31089	Revised per EC 5-19-08
C	SVC31148	Revised per EC 6-18-09
D	SVC31248	Revised per EC 7-20-10

Revision History

<u>Rev Level</u>	<u>EC Number</u>	<u>Comments</u>
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Revised (01-13)

