



# PARTS MANUAL

## LIGHT TOWER MODEL

L - 6

L - 8

CODE: C

CODE: C



This manual contains important safety information.

Do not destroy this manual.

This manual must be available to the personnel who operate and maintain this machine.

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## Section B -

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# Parts Ordering

## 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 Company parts for your light tower.

## NOTICE

**Ingersoll-Rand Company can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.**

Ingersoll-Rand Company service facilities and parts are available worldwide. Consult local yellow pages or visit: [www.portablepower.irco.com](http://www.portablepower.irco.com).

Special order parts may not be included in this manual. Contact the Mocksville 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.

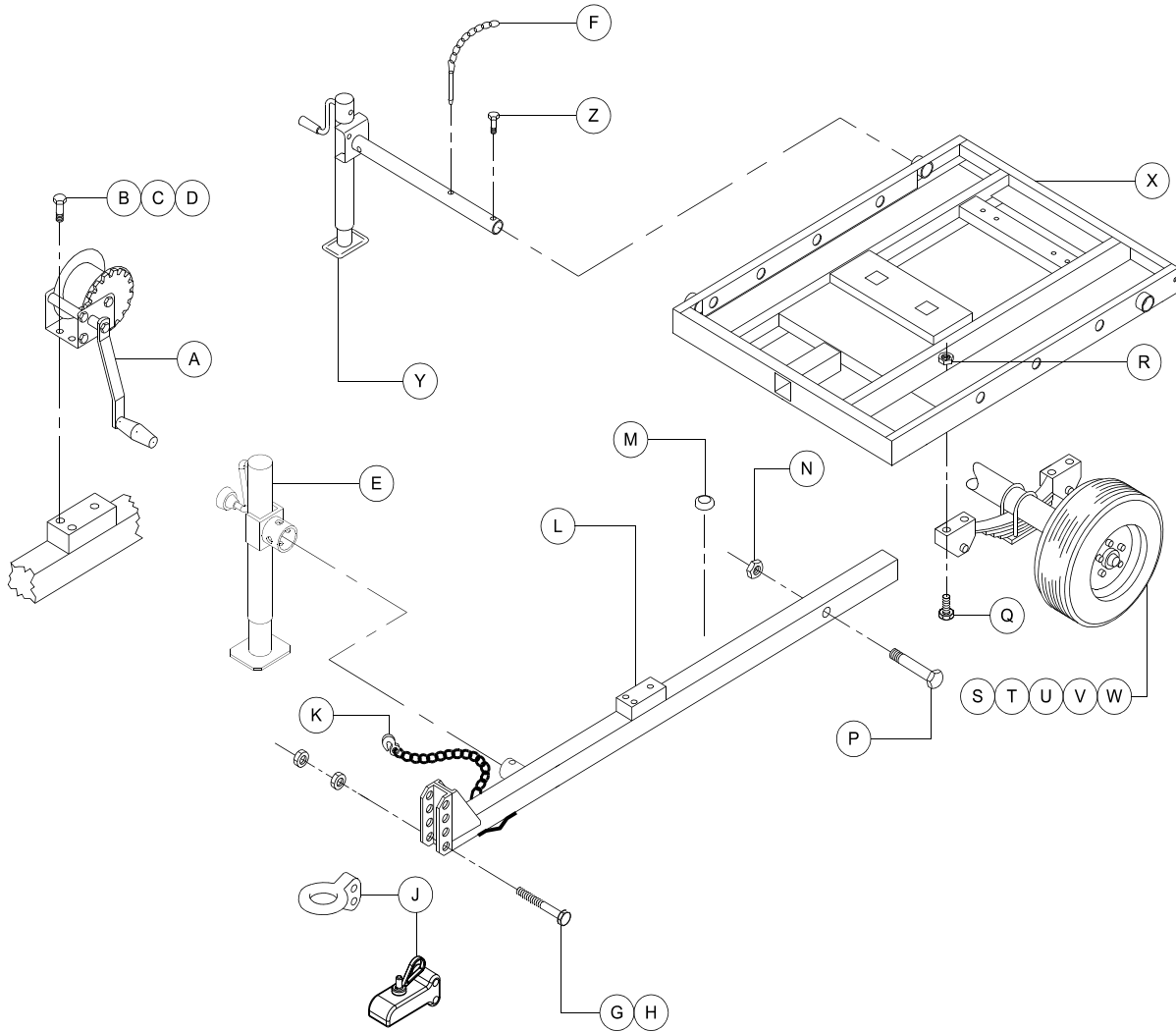
### How to Order

Always specify the model and serial number of the unit.

Specify the part number and description.

# Parts List

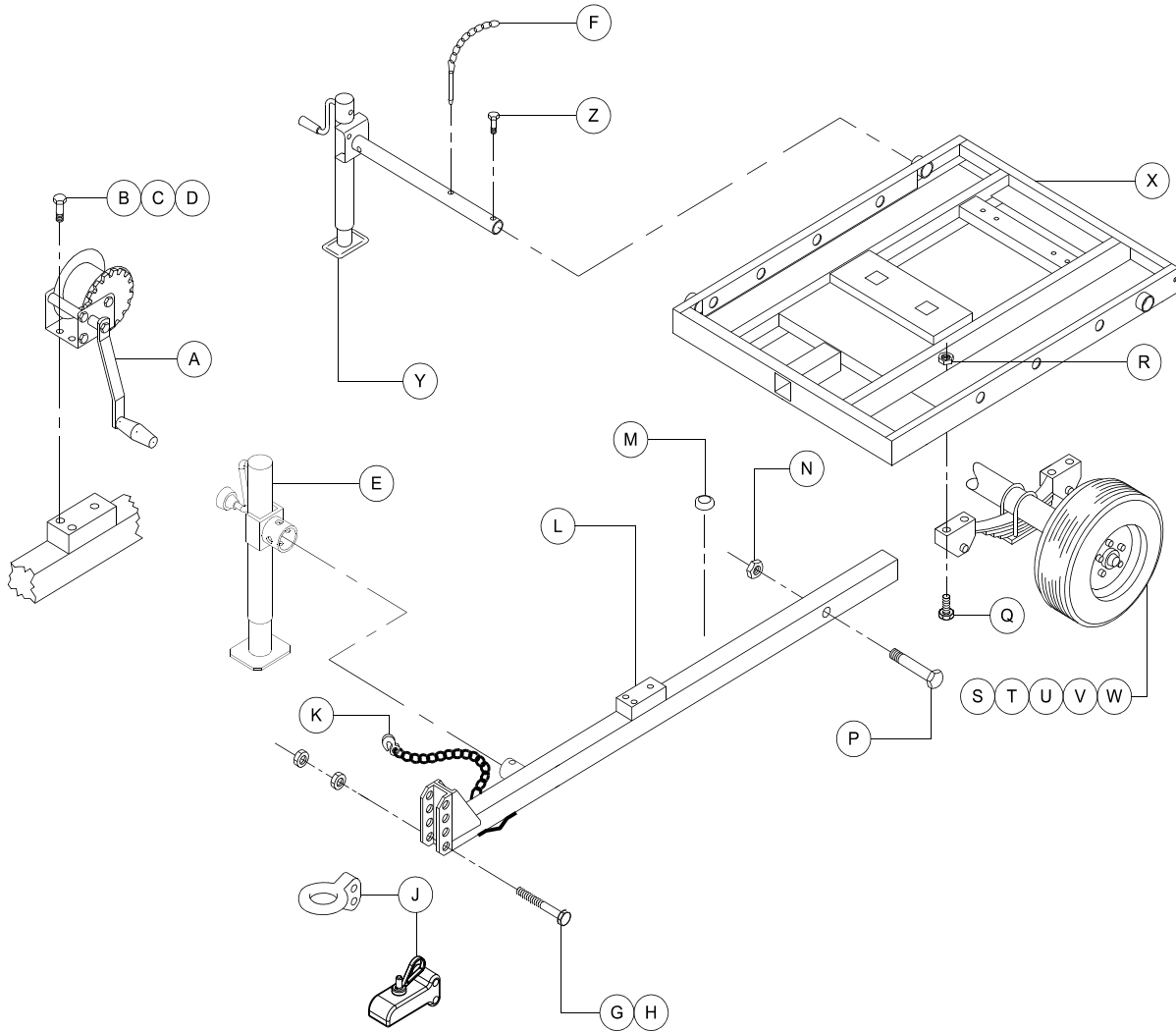
## Frame And Running Gear



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923654	Winch, Manual	2	
	36923662	Handle, Winch	2	
B	35271162	Screw	6	
C	95934998	Washer	12	
D	36769743	Nut	6	
E	36923415	Jack, Drawbar	1	
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	
L	22347710	Drawbar, Standard	1	
	22690234	Drawbar, Adjustable Height	1	
				<b>Continued.....</b>

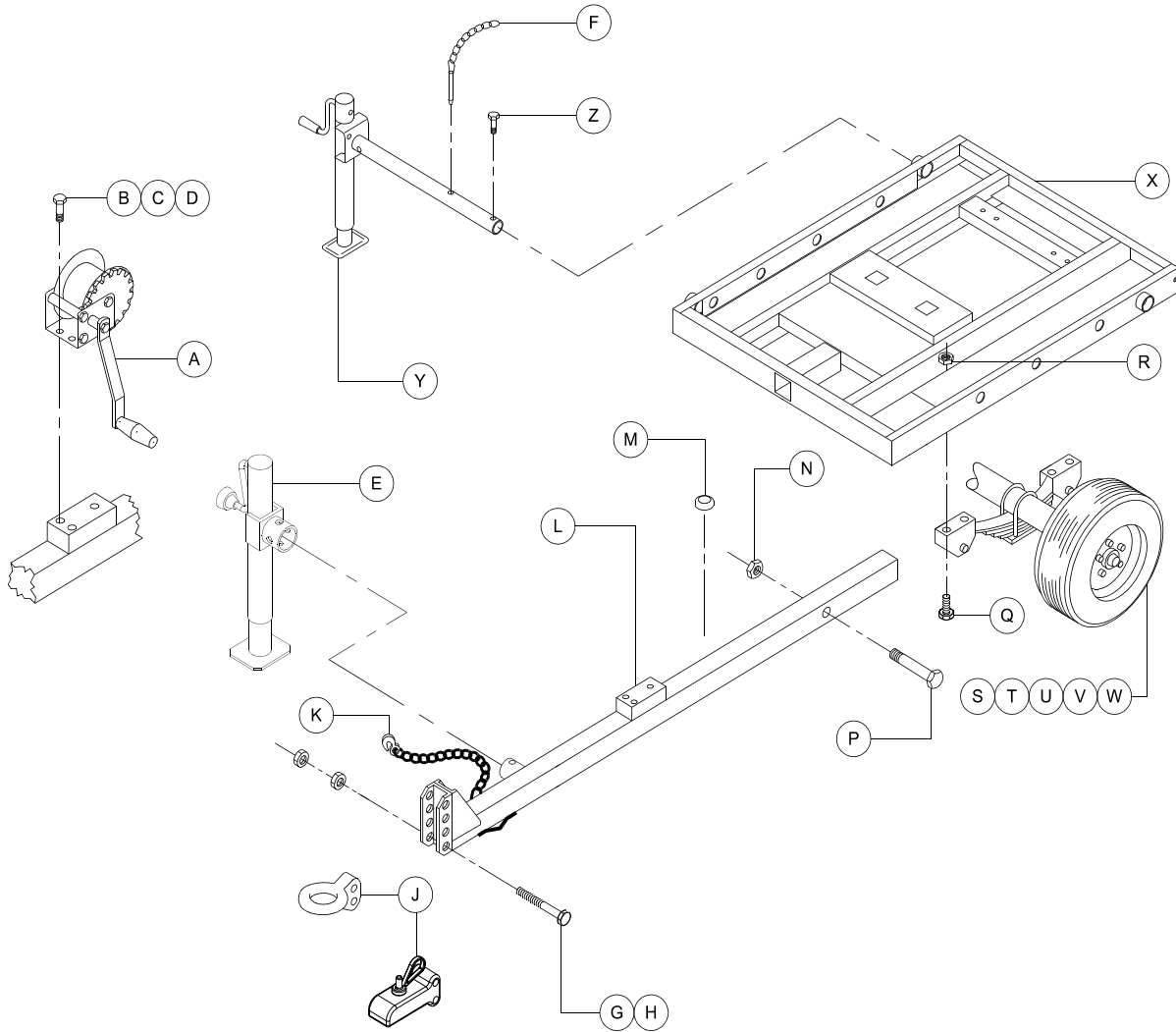


## Frame And Running Gear



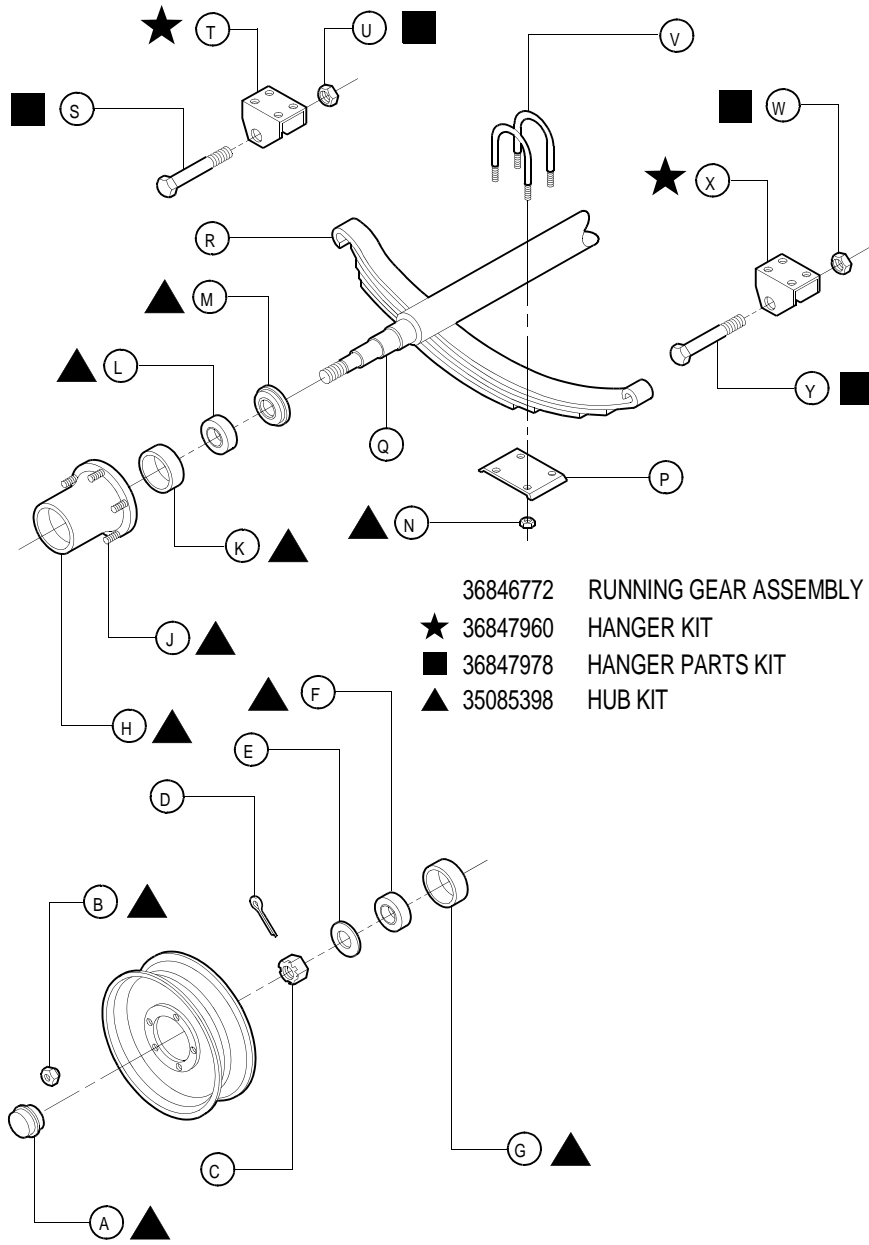
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22690242	Drawbar, Hydraulic Brake	1	<b>.....Continued</b>
M	36787398	Level	1	
N	95935060	Nut	1	
P	95953998	Screw	1	
Q	36877793	Screw	8	
R	36879203	Nut	8	
S	36846772	Running Gear	1	
T	36073542	13" Tire and Wheel Assembly ( Standard )	2	
U	22246268	Tire	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	
				<b>Continued.....</b>

## Frame And Running Gear



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
W	36073559	15" Tire and Wheel Assembly	2	<b>.....Continued</b>
	22246276	Tire - ST 205 / 75 D 15	2	
	35277706	Wheel	2	
	35046275	15" Radial Tire and Wheel Assembly	2	
	35291988	Tire - P 215 / 75R 15 B	2	
	35277706	Wheel	2	
X	36894624	Frame	1	
Y	36847713	Outrigger	2	
Z	92368687	Screw	2	

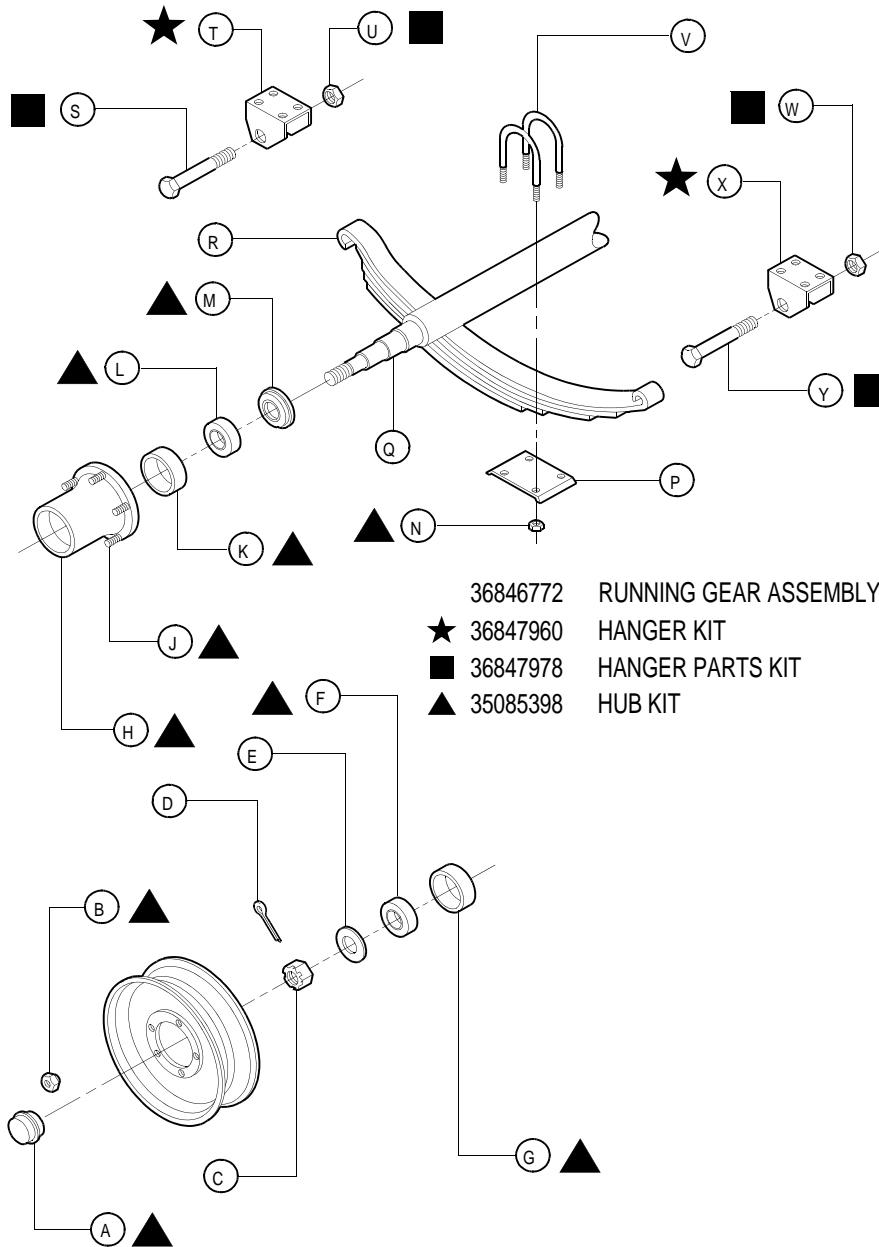
# Running Gear Complete



- 36846772 RUNNING GEAR ASSEMBLY
- ★ 36847960 HANGER KIT
- 36847978 HANGER PARTS KIT
- ▲ 35085398 HUB KIT

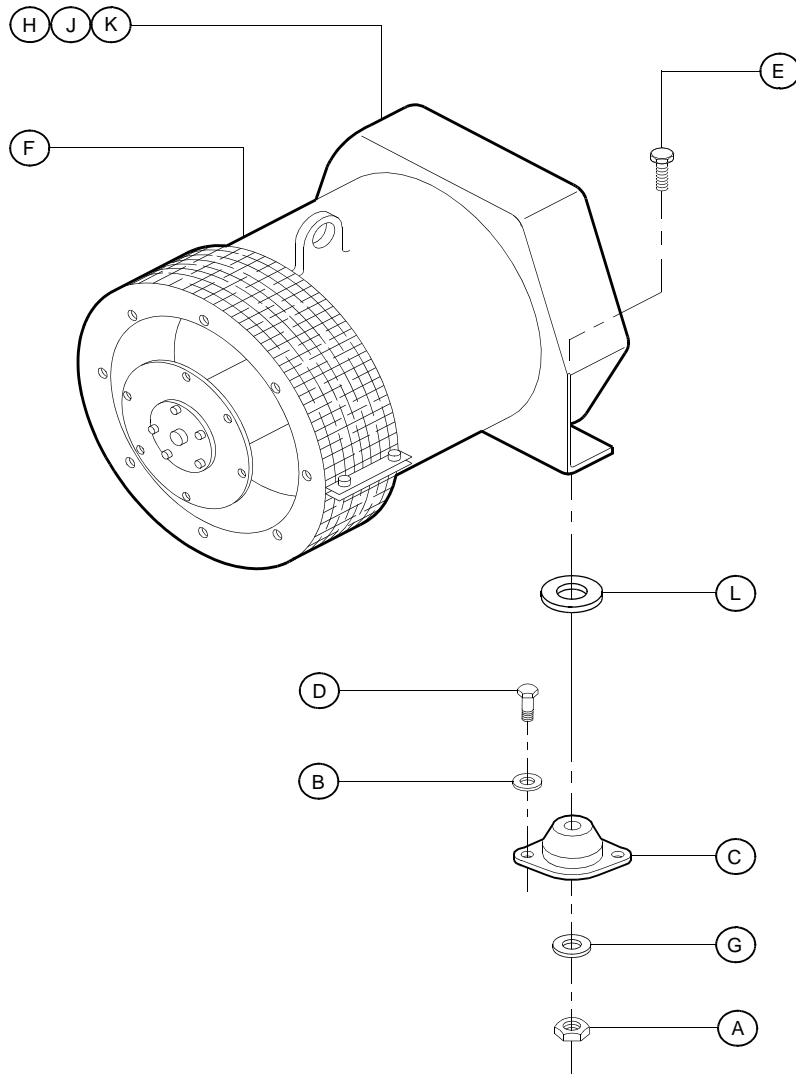
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35315233	Cap, Dust	2	
B	35315274	Nut	10	
C	35315217	Nut, Spindle	2	
D	35315225	Pin, Cotter	2	
E	35315209	Washer	2	
F	35315191	Bearing, Outer	2	
G	35315183	Cup, Outer	2	
H	35361880	Hub	2	
J	35361898	Stud	10	
K	35361872	Cup, Inner	2	
L	35361864	Bearing,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

## Running Gear Complete



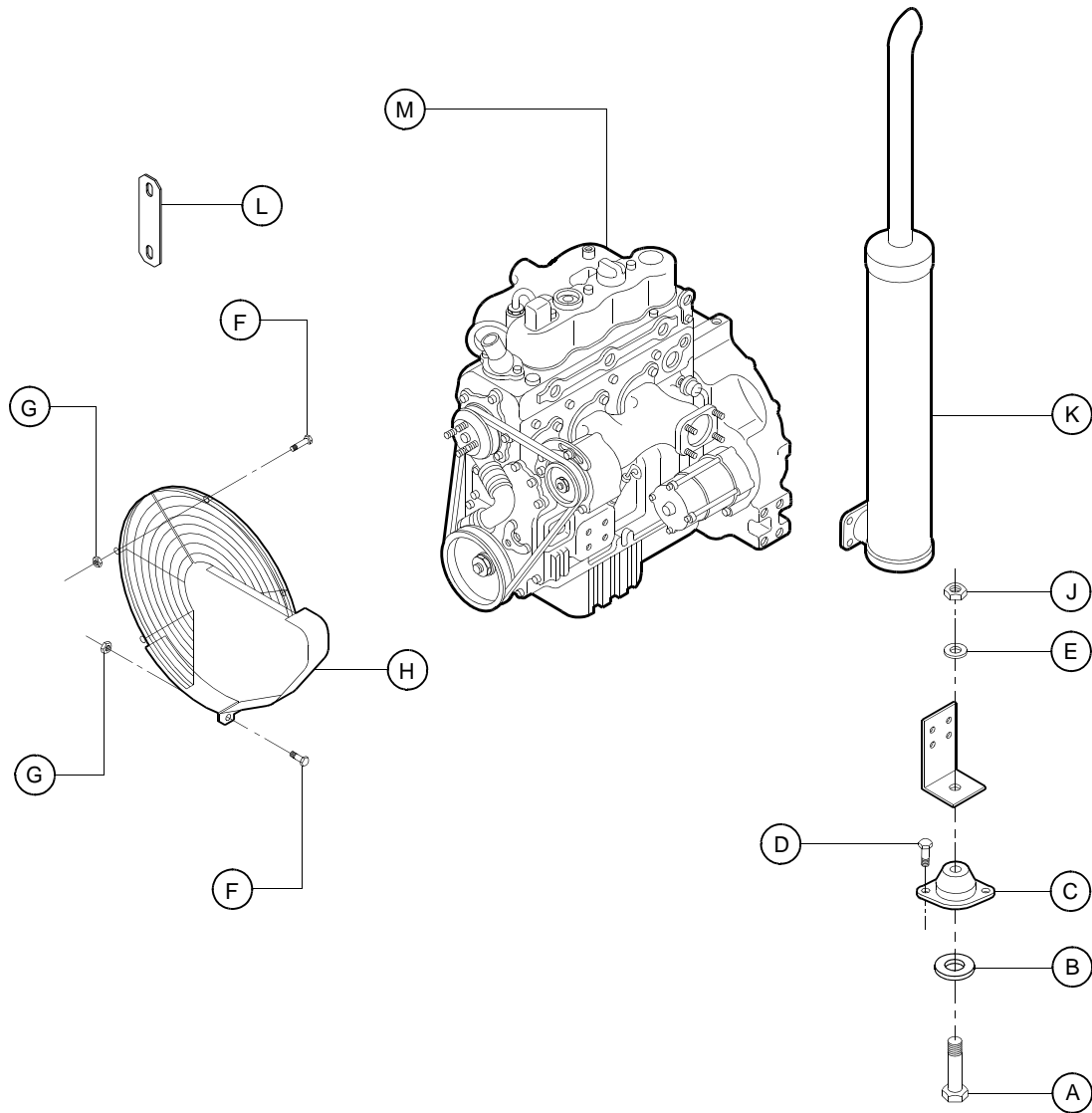
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	35315258	Nut	8	
P	35315241	Plate	2	
Q	36848174	Axle	1	
R	36848166	Spring	2	
S	35315365	Bolt	2	
T	35326966	Hanger, Rear	2	
U	35315373	Nut	2	
V	35315118	U-Bolt	4	
W	35315357	Nut	2	
X	35326958	Hanger, Front	2	
Y	35315340	Bolt	2	

## Generator and Mounting



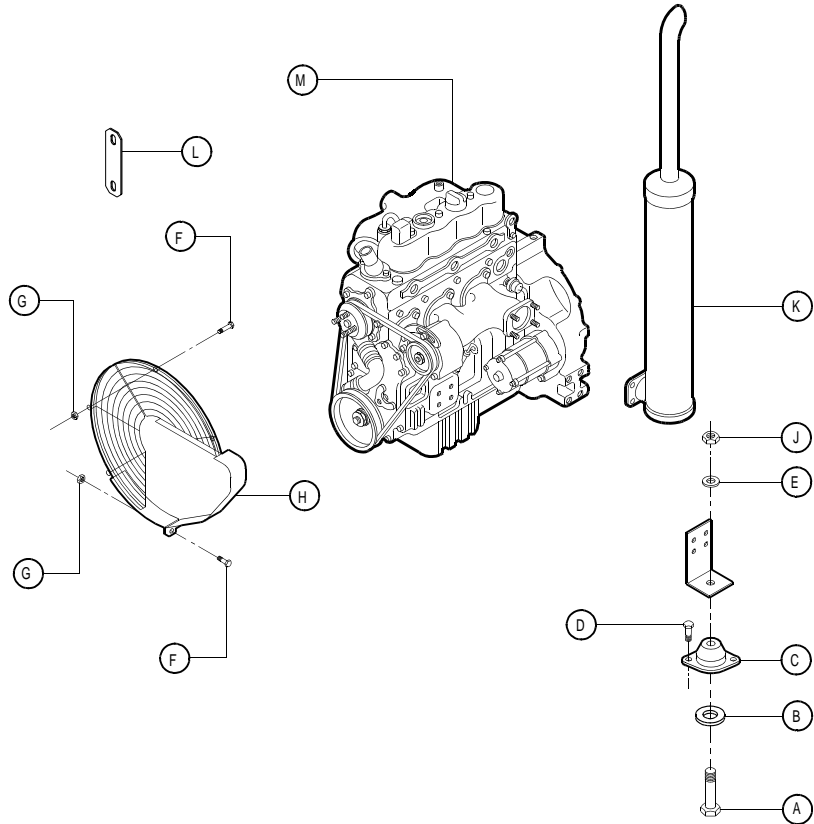
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35273366	Nut	2	
B	95934907	Washer	4	
C	36875565	Mount, Rubber	2	
D	35279025	Screw	4	
E	96730411	Screw	2	
F	36882504	Generator ( 6 kw )	1	
	43214345	Generator ( 7 kw )	1	
	36883528	Generator ( 8 kw )	1	
G	36766319	Washer	2	
H	36890358	Relief, Strain (in Generator)	1	
	36888923	Locknut	1	
J	95920674	Screw, Generator to Engine	8	
K	95067864	Screw, Coupling to Flywheel	8	
L	36899037	Washer	2	
	36883478	L6 Capacitor	1	
	36883486	L8 Capacitor	1	

## Engine Assembly



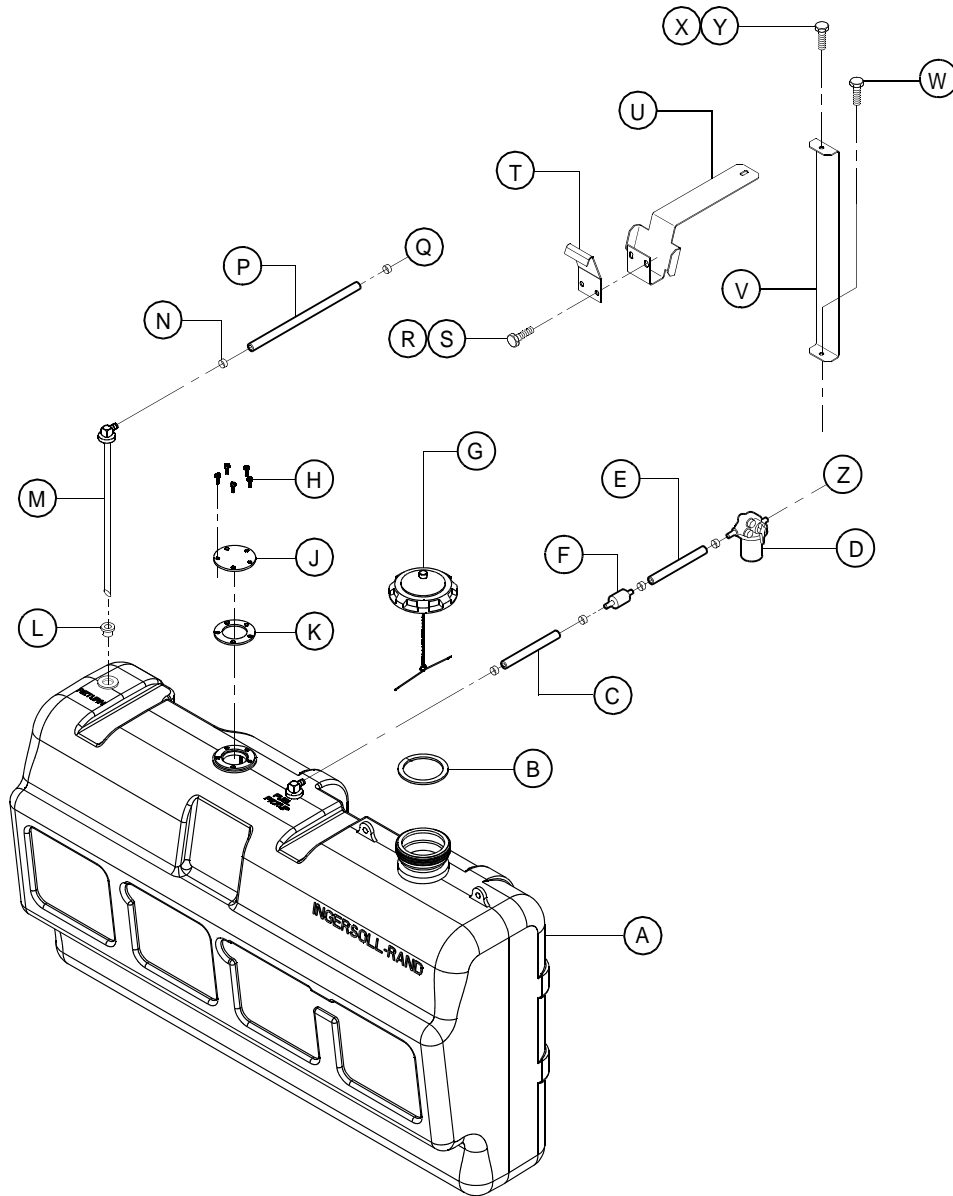
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96730411	Screw	2	
B	95934998	Washer	2	
C	36875565	Mount, Engine	2	
D	35279025	Screw	4	
E	95934907	Washer	2	
F	36898096	Screw	7	
G	36898104	Nut	7	
H	36868727	Guard, Fan	1	
J	35273366	Nut	2	
K	36871051	Muffler	1	
L	36871614	Bracket, Fan Guard	1	
M	36890382	Engine - 6 kw	1	
	36890374	Engine - 8 kw	1	
	43214881	Engine - 7 kw	1	<b>Continued.....</b>

## Engine Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		Engine Accessories		<b>.....Continued</b>
	36870574	Engine Lube Element		
	36870566	Engine Fuel Element	1	
	36890135	Air Filter Element	1	
	36888170	Alternator	1	
	36888501	Fan, Engine	1	
	36888477	Hose, Bottom Radiator	1	
	36888493	Belt, Fan	1	
	36888188	Starter	1	
	36888451	Radiator	1	
	36888469	Hose, Top Radiator	1	
	36890101	Hose, Air Intake	1	
	36890119	Band, Mounting	1	
	22173561	Air Cleaner Assembly	1	
	36890143	Bracket, Air Cleaner	1	
	22439889	Engine, 6 kw - Tier 2 - 60 hz	1	
	22439897	Engine, 8 kw - Tier 2 - 60 hz	1	
	22574495	Engine, 6 kw - Tier 2 - 50 hz	1	
		Engine Accessories		
	36870574	Oil Filter	1	
	36870566	Fuel Filter	1	
	35367978	Fuel Filter Element	1	

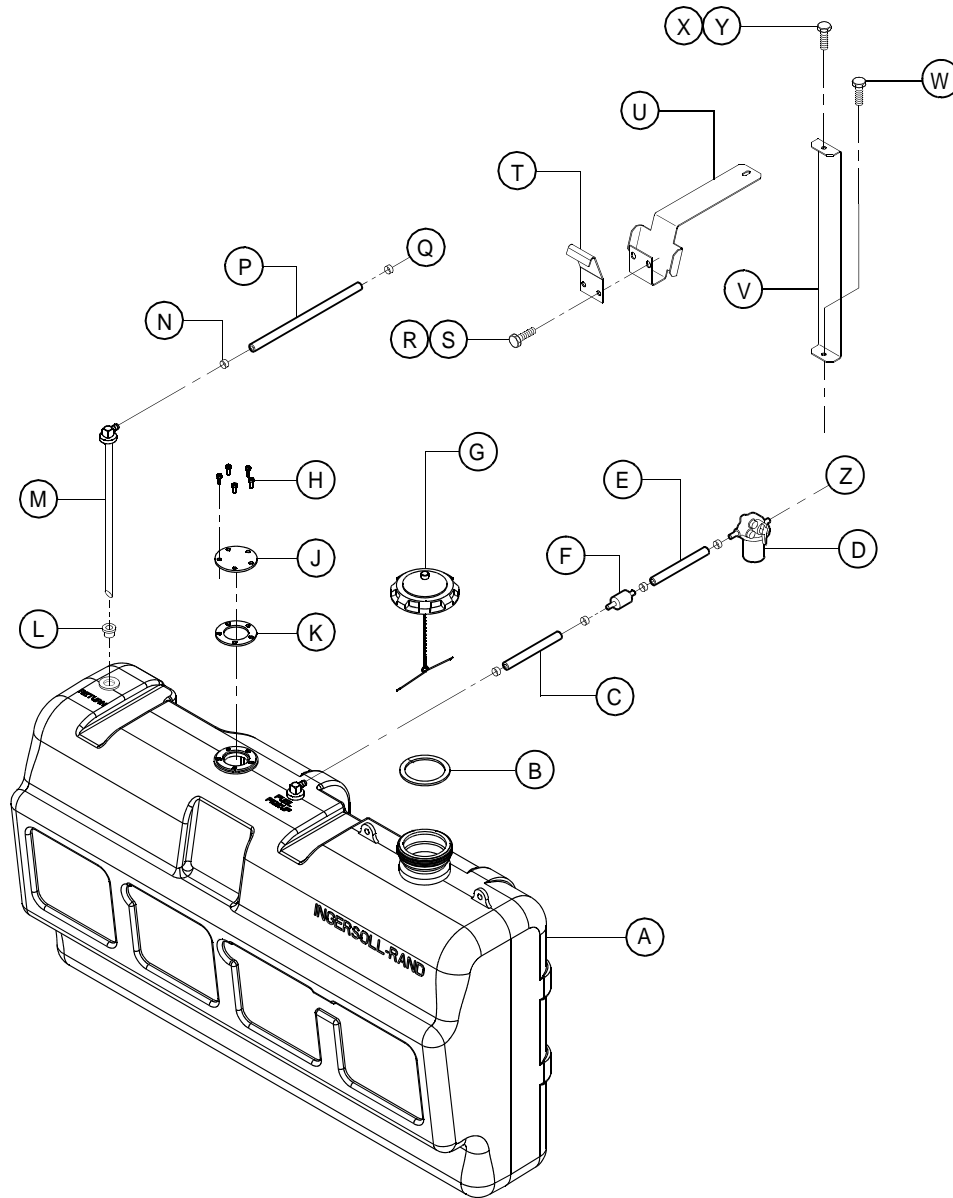
## Fuel Tank And Piping



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881100	Tank, Fuel	1	
B	35385111	Gasket, Fuel Cap	1	
C	35363498	Hose, Pick-up ( 4 inches )	1	
D	-----	Engine Primer Pump		
E	35363498	Hose, Fuel Pick-up ( 36 inches )	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	
M	35392307	Tank, Fuel	1	<b>Continued.....</b>

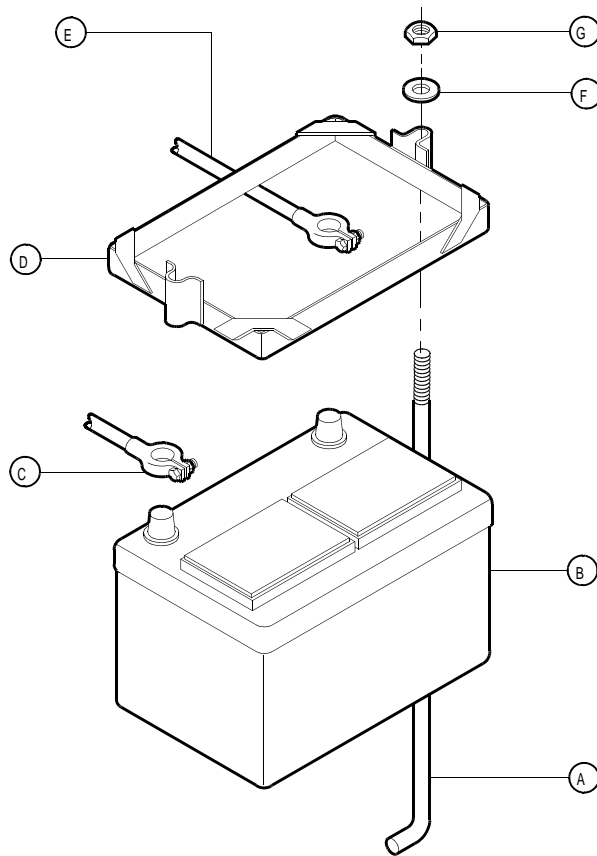


## Fuel Tank And Piping



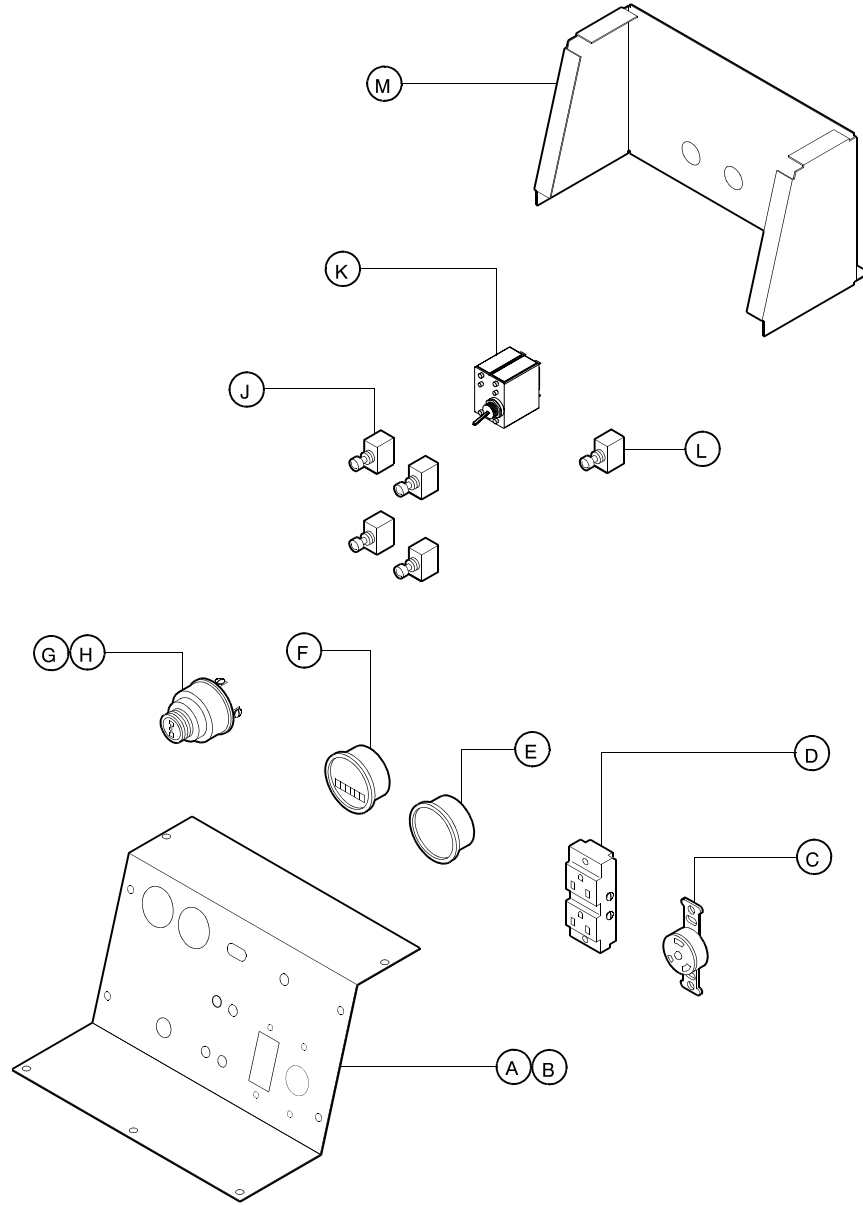
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	35296342	Clamp	6	<b>.....Continued</b>
P	35363498	Hose, Return ( 19 inches )	1	
Q	-----	Return From Engine		
R	96702279	Screw	2	
S	36879195	Nut	2	
T	22356752	Bracket, Fuel Tank	1	
U	22260905	Bracket, Top Fuel Tank	1	
V	22356760	Bracket, Outer Fuel Tank	1	
W	35279025	Screw	1	
X	96702055	Screw	1	
Y	36881886	Nut	1	
Z	-----	To Engine Fuel Pump		

## Battery and Mounting



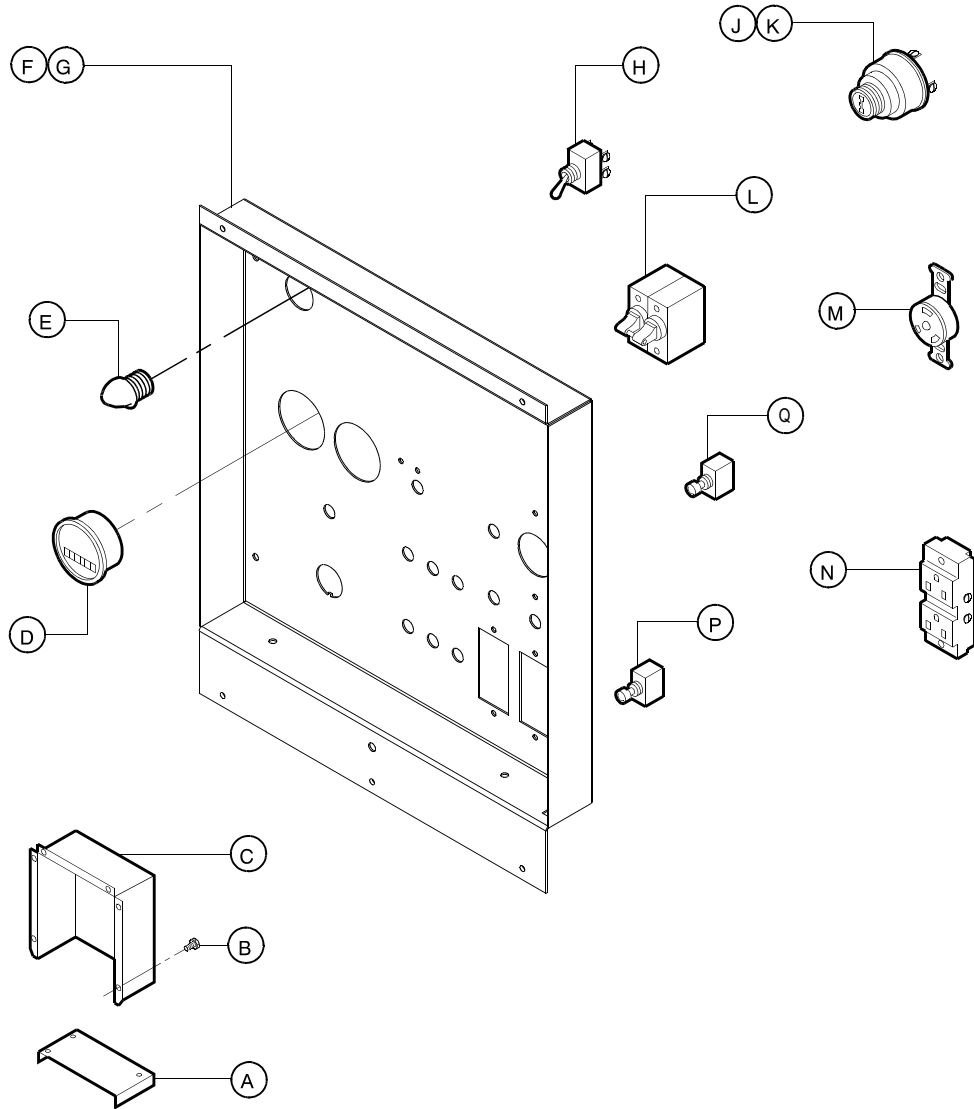
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35129097	Stud	2	
B	36844967	Battery, 12 Volt ( 610A Cold Cranking )	1	
	36844975	Battery, 12 Volt ( 1000A Cold Cranking )	1	
C	36788735	Cable, Positive ( + )	1	
D	35582394	Frame ( 610A Battery )	1	
	35591783	Frame ( 1000A Battery )	1	
E	35582402	Cable, Negative ( - )	1	
F	95935037	Washer	2	
G	95923322	Nut	2	
	35578194	Strap, Ground (Not Illustrated)	1	

## 6 kw Instrument / Control Panel



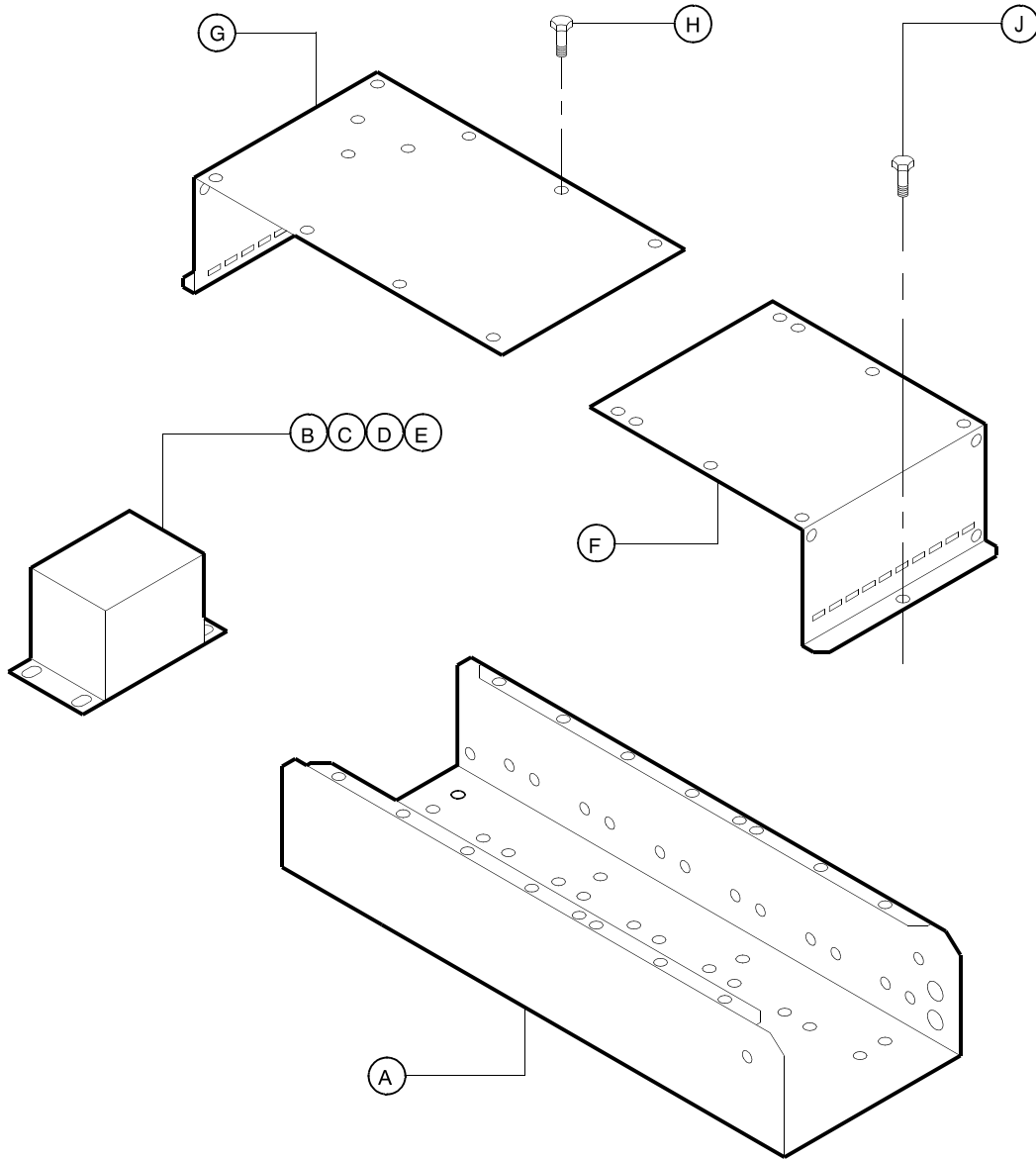
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36876001	Panel, Control Box	1	
B	36875995	Decal, Panel	1	
C	36848752	Receptacle, Twist Lock	1	
D	36883817	Receptacle, Duplex	1	
E	36011765	Fuel Gage Option	1	
F	36841245	Hourmeter	1	
G	36786457	Switch, Key	1	
H	35385533	Set, Key		
J	36898211	Switch, Toggle	4	
K	36875953	Breaker, Main		
L	36898229	Breaker, 250 Volt		
M	36847630	Cover, Control Panel		

## 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	Set, Key	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	

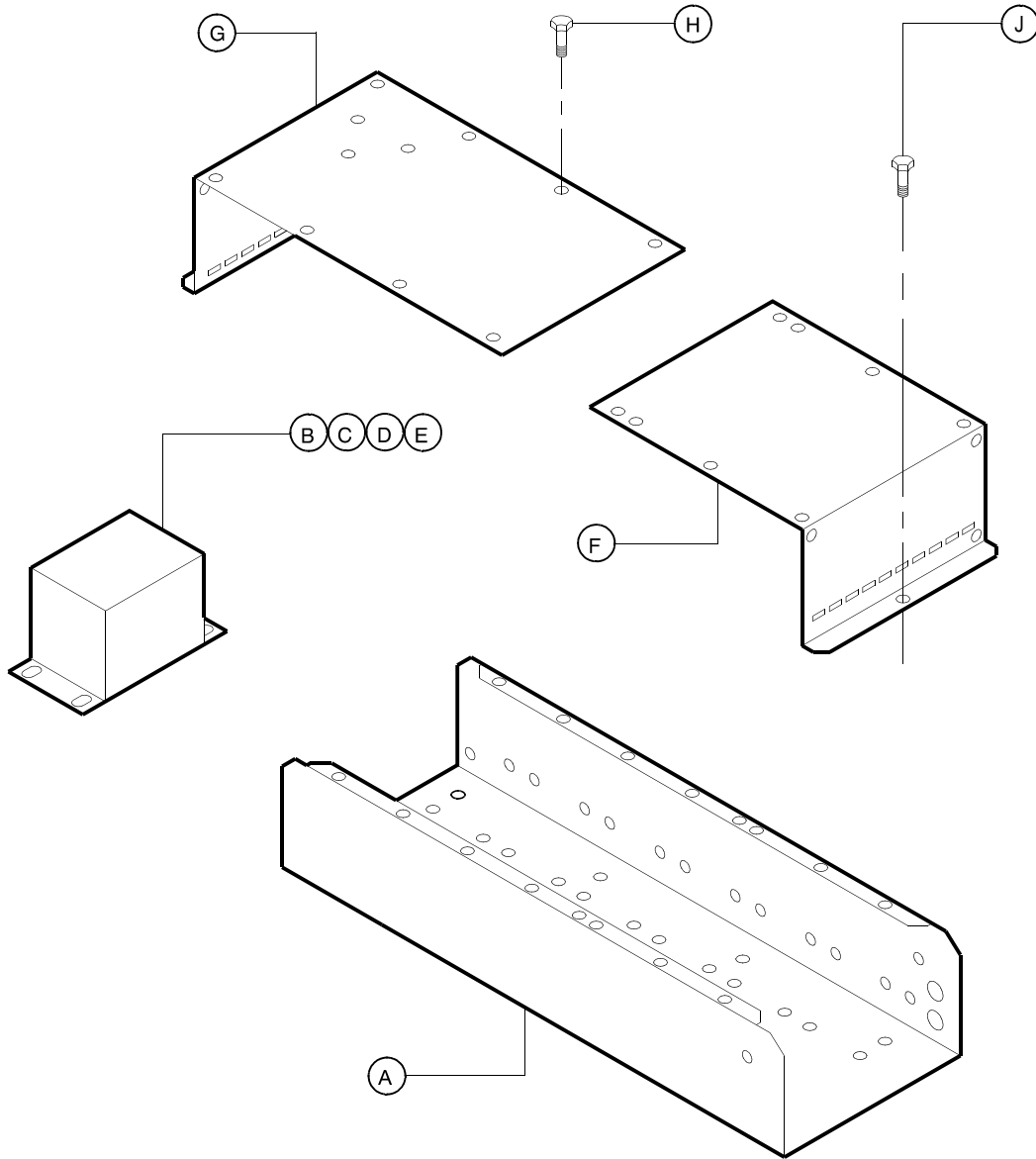
## Ballast Box Assembly



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 )		
D	35306141	Connector, Ballast	4	
E	36851996	Bracket, Strap		
F	36894277	Panel, End	1	
G	36894285	Cover, Ballast Box	1	
H	92368687	Screw	8	
J	35279025	Screw	16	
	22262620	Ballast ( 1500 watt )		
	22263024	Capacitor ( 1500 watt )		

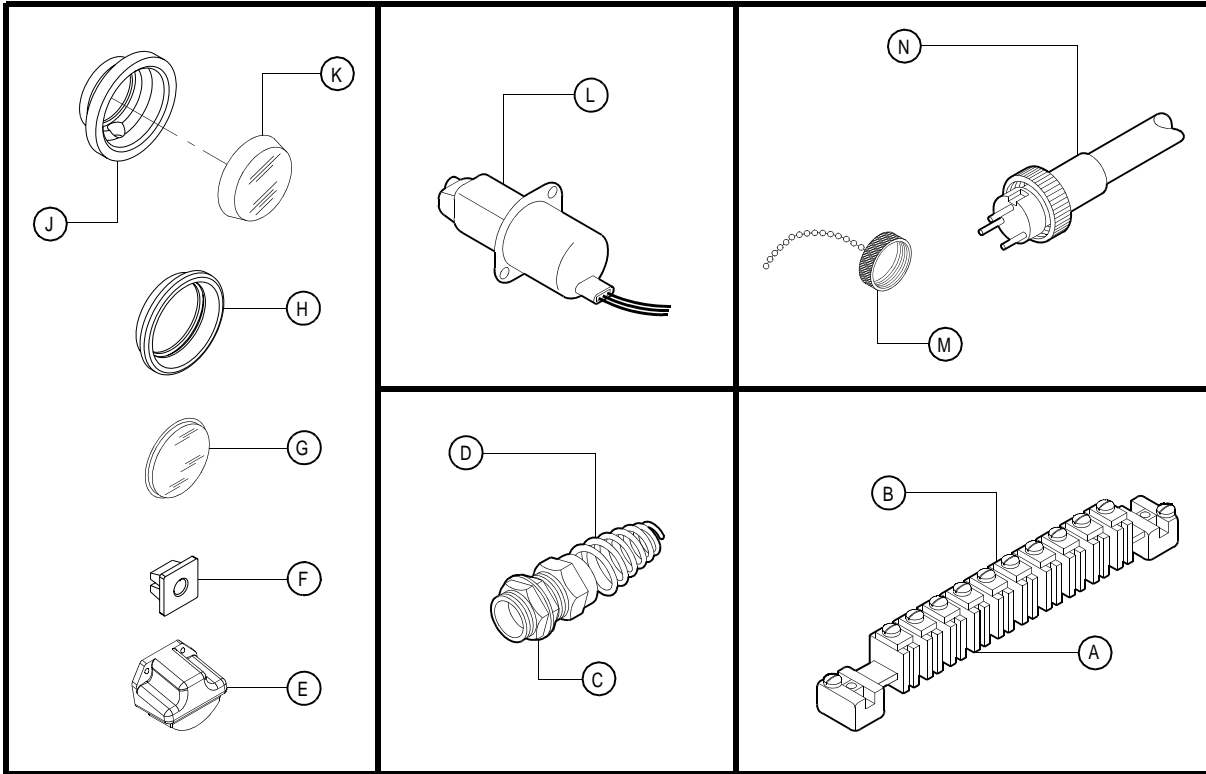
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## Ballast Box Assembly



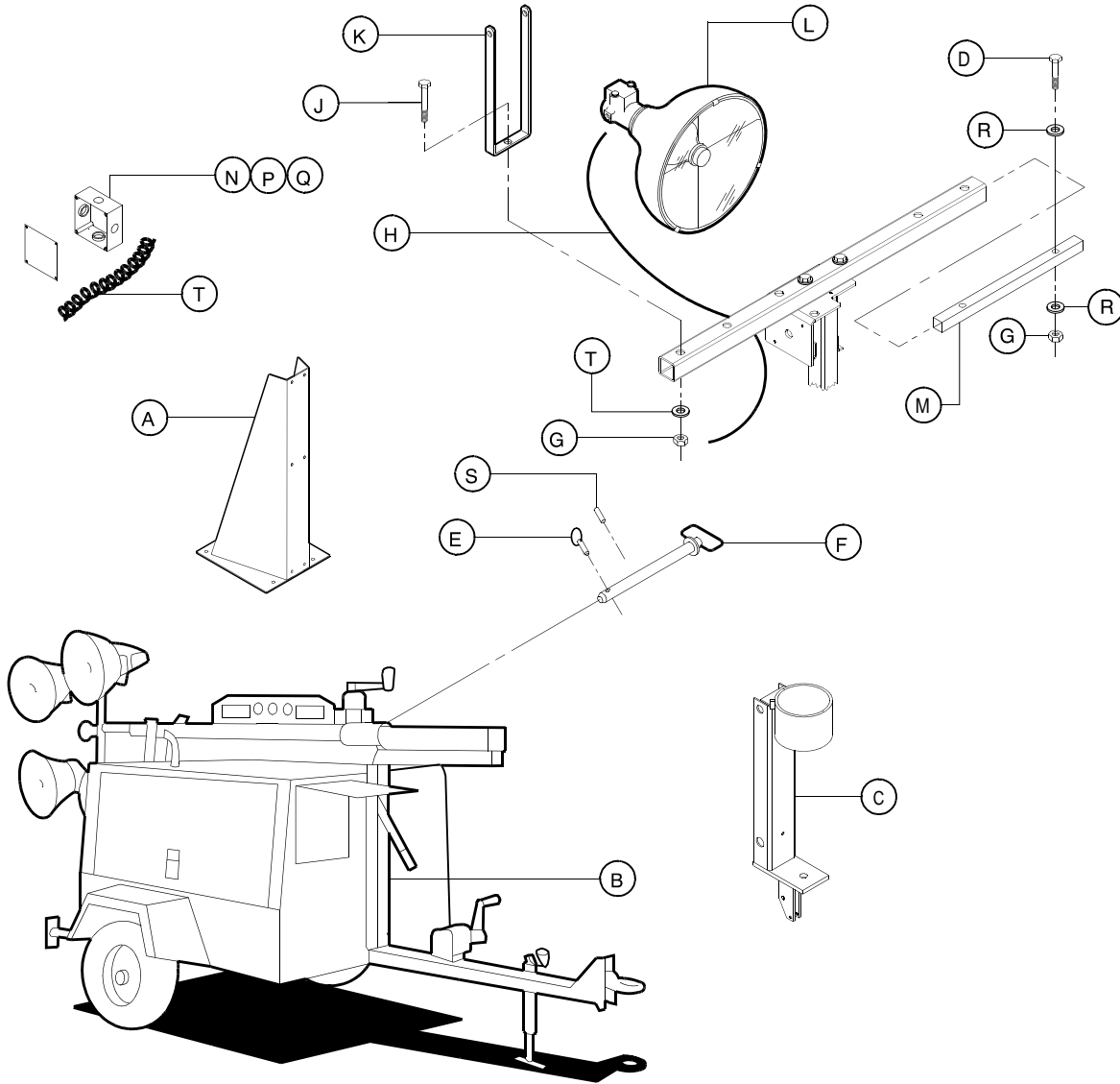
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		Parts Not Illustrated		<b>.....Continued</b>
	36844066	Reel, 12V Light (Option)	1	
	36898070	Ballast Box Harness ( Metal Halide ) L6	1	
	36895118	Ballast Box Harn. ( High Press. Sodium ) L6	1	
	35306141	Male Connector	1	
	36898054	Ballast Box Harness ( 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	36779346	Cord With 3-Pin Connector (Lamp to Junction Box)	1	

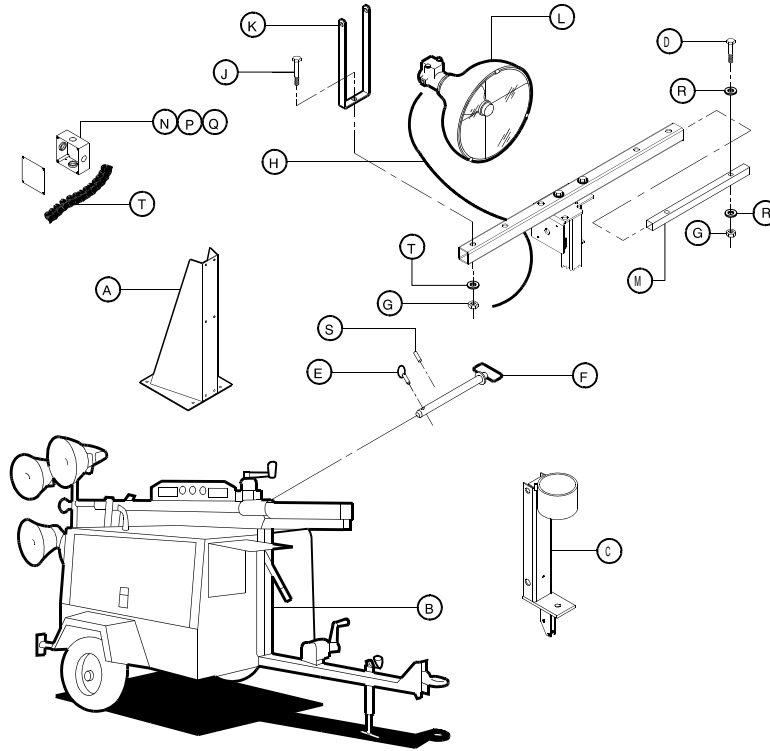
## Light and Tower Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36895092	Base, Tower	1	
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 )		
				<b>Continued....</b>

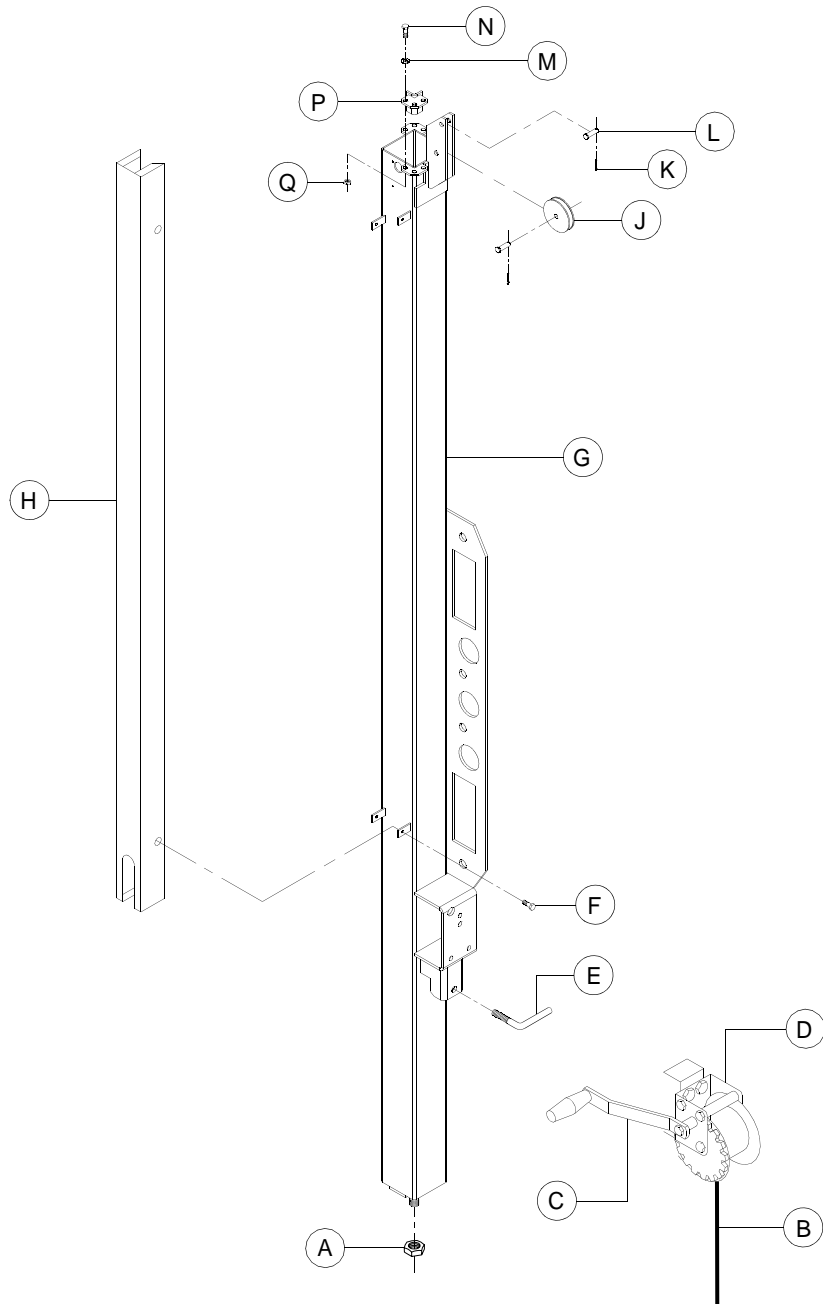


## Light and Tower Assembly



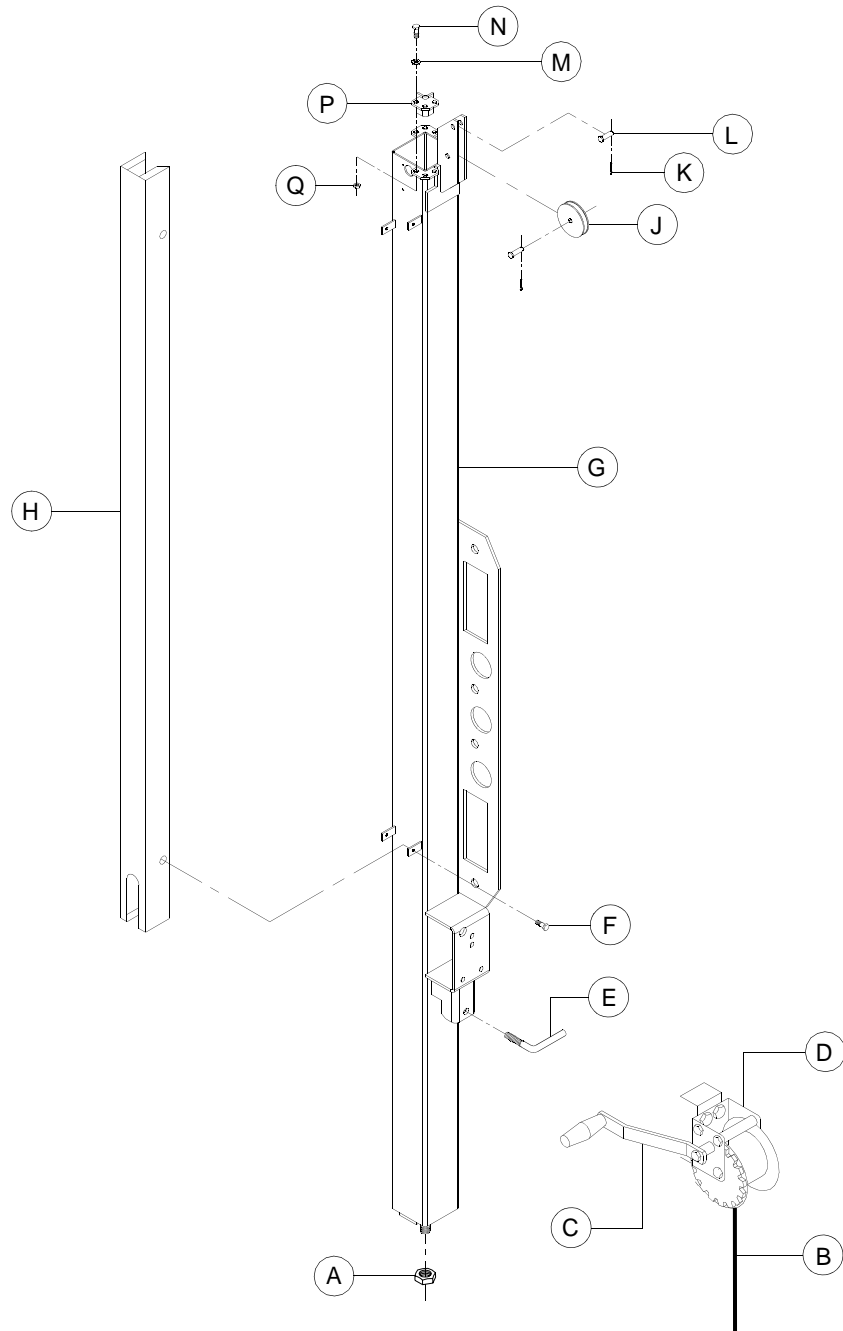
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
T		Cord Assemblies		..... <i>Continued</i>
		Curly Cord (with Strain Relief)		
	36895142	L6 - 4 MH		
		L6 - 4 HPS		
		L8 - 4 MH		
		L8 - 4 HPS		
		L8 - 6 MH		
		L8 - 6 HPS		
	36850519	L8 - 4 TH		
		L6 - 4 TH		
		Cords		
	36779346	Lamp To J-Box		
		Cord (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	Curly Cord with Junction Box		

## Bottom Tower Assembly



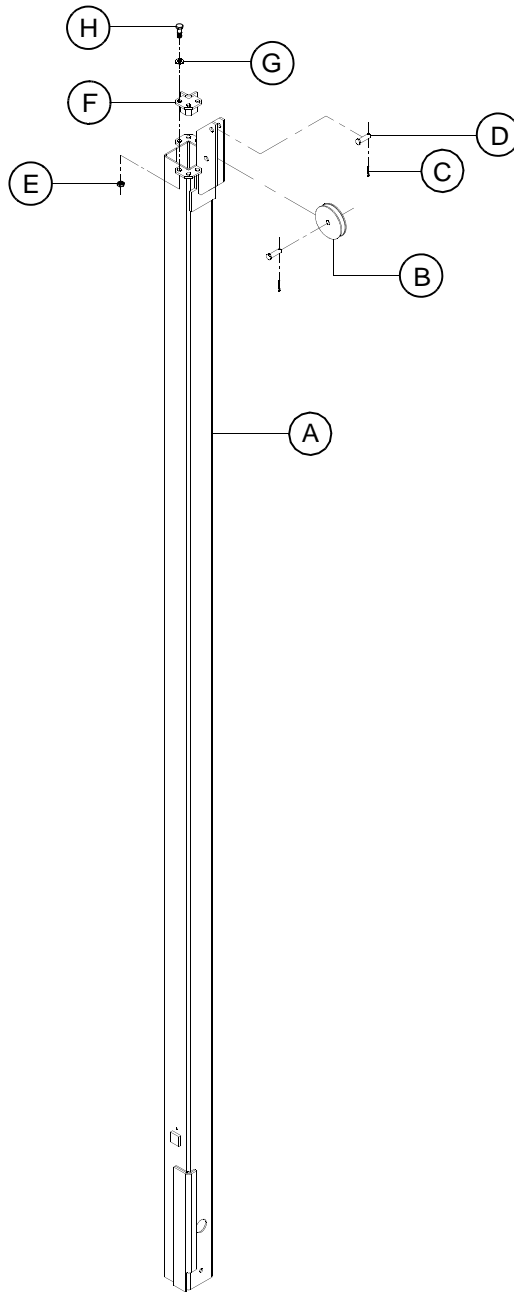
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881886	Nut	1	
B	36876225	Cable ( 5460mm )	1	
C	36923662	Handle, Winch	1	
D	36923654	Winch, Manual	1	
E	54370754	L-Bolt	1	
F	92368687	Screw	4	
G	22348825	Bottom Tower Assembly ( Galvanized )	1	
	22348817	Bottom Tower Assembly ( Painted )	1	
	22640890	Bottom Tower Assy. ( Special Lift Bail )	1	<b>Continued....</b>

## Bottom Tower Assembly



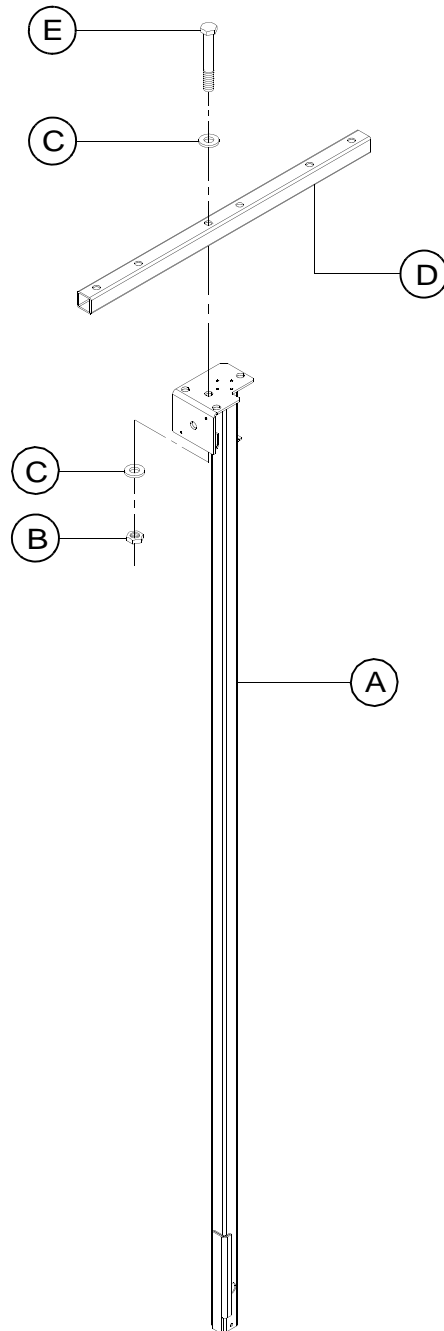
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
H	22335053	Shield, Wire	1	<i>.....Continued</i>
J	36783009	Pulley	1	
K	95928867	Pin, Cotter	1	
L	36783868	Pin, Clevis	1	
M	95934998	Washer	4	
N	96702659	Screw	4	
P	22284079	Slide, Tower	2	
Q	36769743	Nut	4	

## Middle Tower Assembly



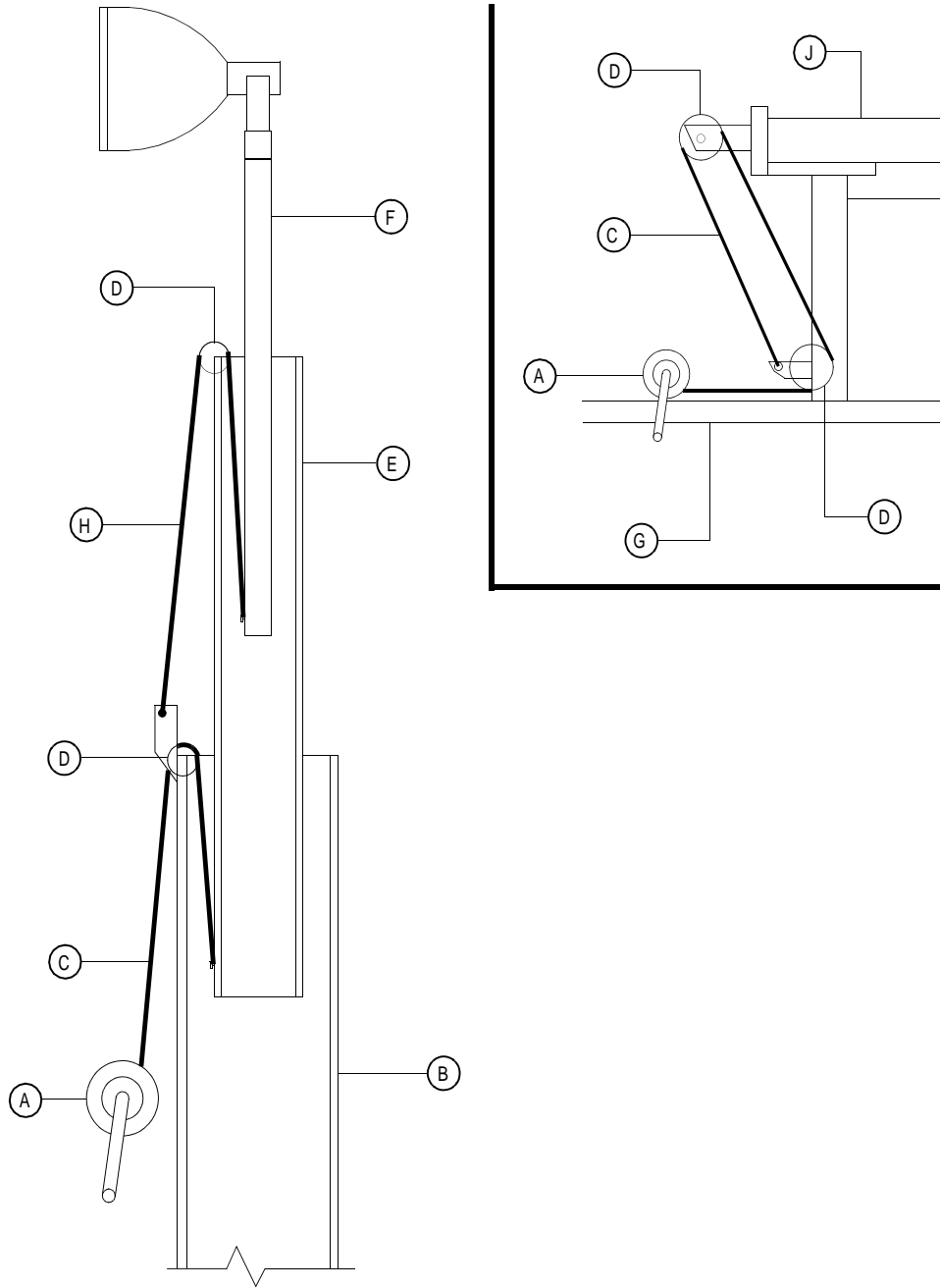
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36895191	Middle Tower Assembly ( Galvanized )	1	
	36895167	Middle Tower Assembly ( Painted )	1	
B	36783009	Pulley	1	
C	95928867	Pin, Cotter	1	
D	36783868	Pin, Clevis	1	
E	36769743	Nut	4	
F	22284079	Slide, Tower	2	
G	95934998	Washer	4	
H	96702659	Screw	4	

## Top Tower Assembly



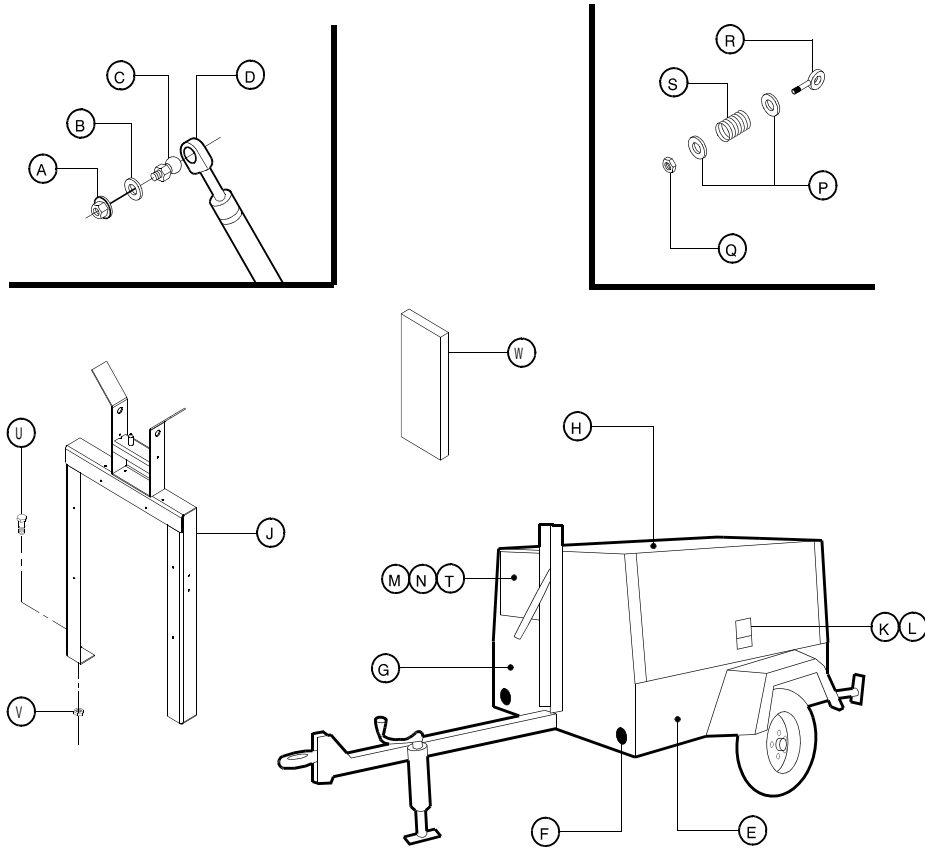
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36895209	Top Tower Assembly ( Galvanized )	1	
	36922904	Top Tower Assembly ( Painted )	1	
B	95923363	Nut	2	
C	95935011	Washer	2	
D	22284103	Crossbar ( Galvanized )	1	
	36922854	Crossbar ( Painted )	1	
E	95995478	Screw	2	

## Cable Routing



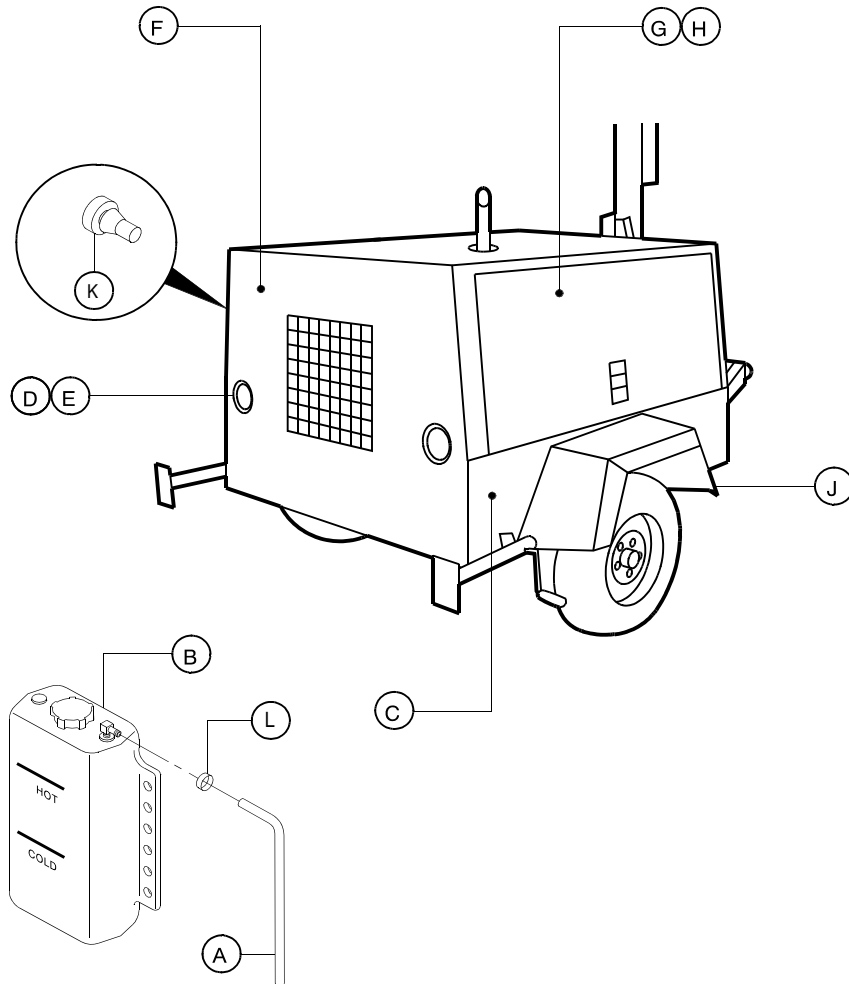
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36923654	Winch, Manual	1	
B	22348825	Bottom Tube Assembly	1	
C	36876225	Cable ( 5460 mm )	1	
D	36783009	Pulley	5	
E	22284087	Middle Tube Assembly	1	
F	22284111	Top Tube Assembly	1	
G	-----	Drawbar ( Ref )	1	
H	36868545	Cable ( 3430 )	1	
J	-----	Tower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

## Enclosure Complete



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881886	Nut	4	
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	
H	36895290	Panel, Front End- L8	1	
H	36877710	Roof	1	
J	36868693	Rest, Tower	1	
K	36793602	Latch, Door	2	
L	36794816	Rivet	8	
M	36848265	Door, Control Box	1	
N	36795581	Hinge	1	
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	

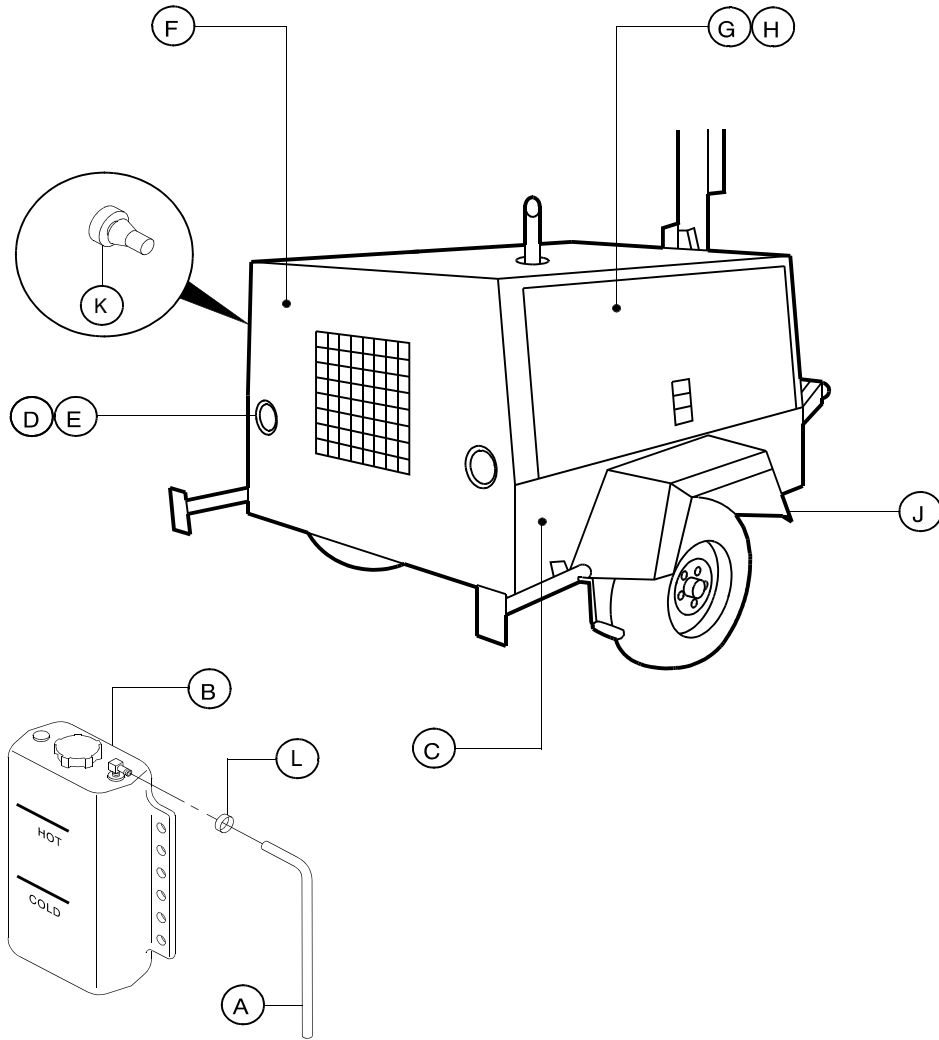
## Enclosure Complete



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35363498	Hose ( 31 inches )	1	
B	36845600	Tank, Radiator Overflow	1	
C	36896074	Panel, RH, Lower	1	
D	36787349	Reflector	2	
	36788081	2 Light 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	<b>Continued.....</b>

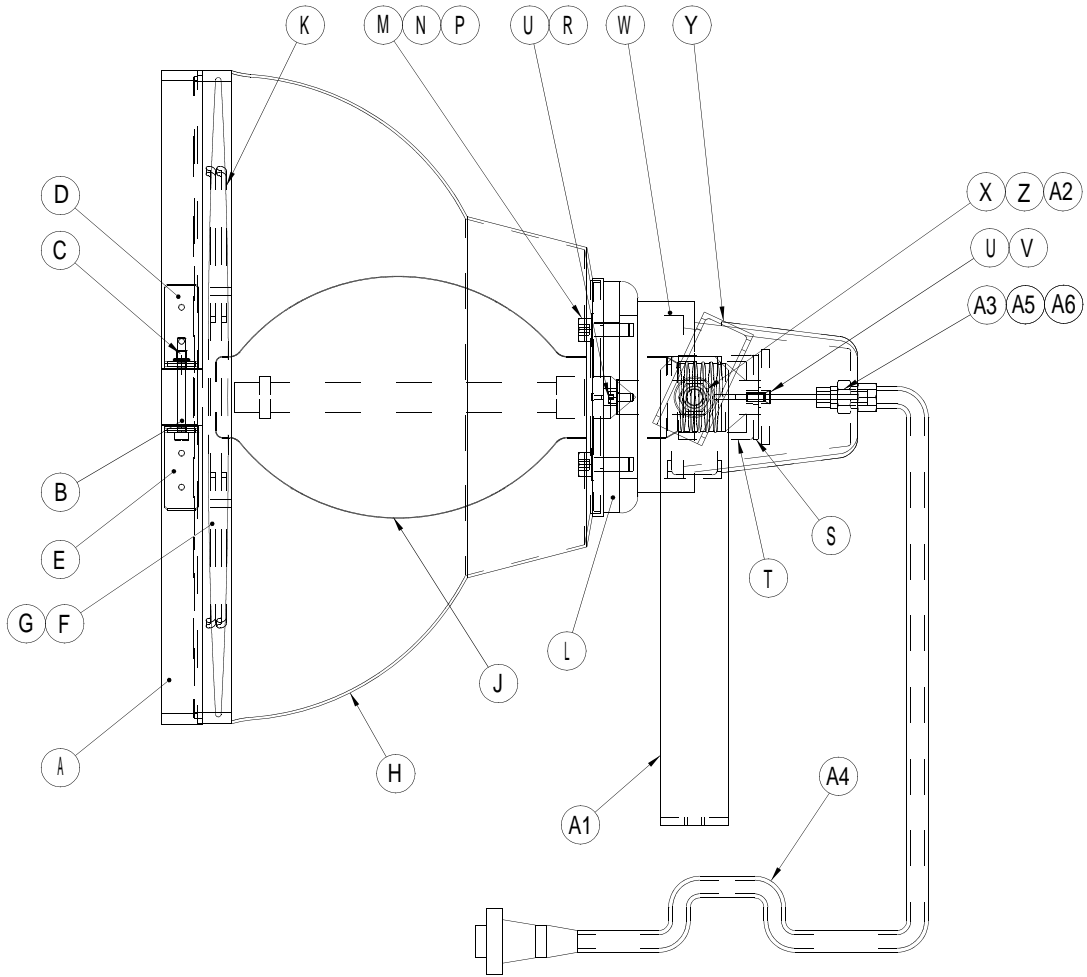


## Enclosure Complete



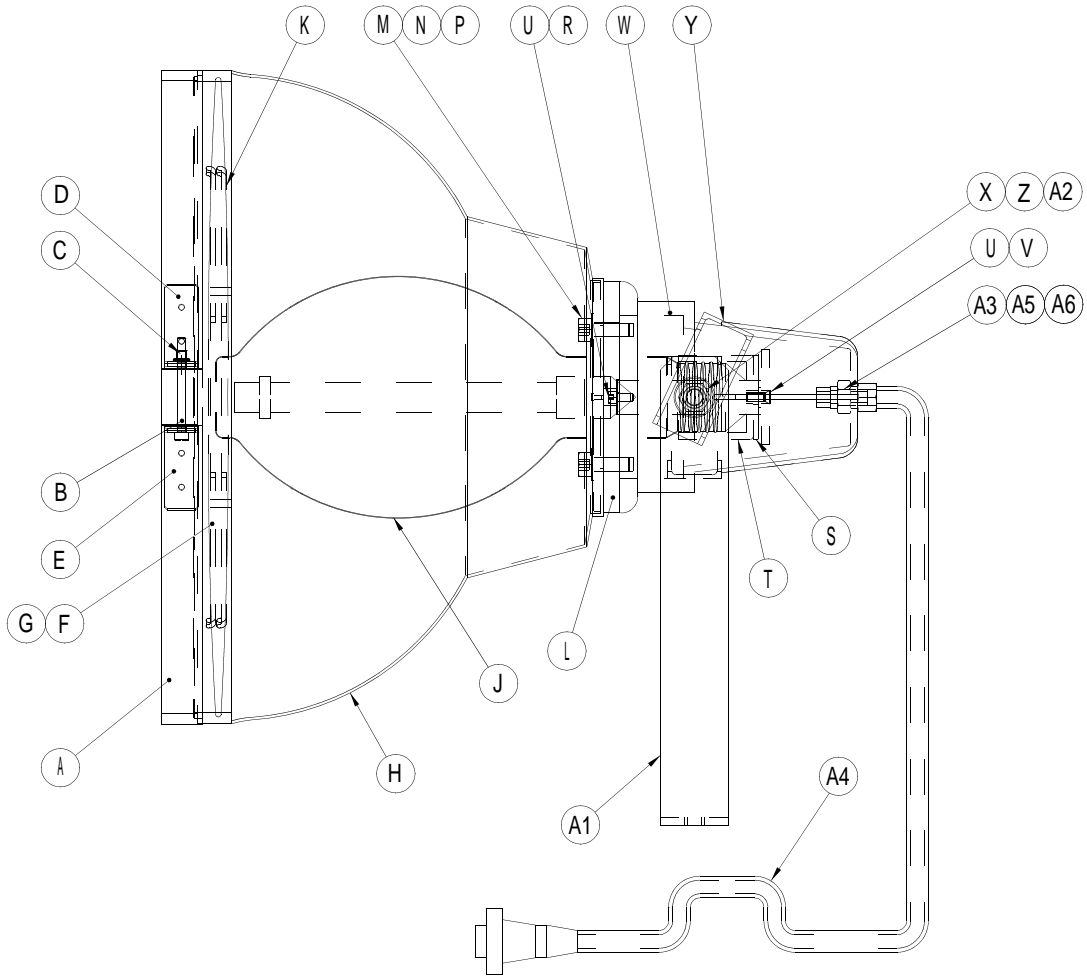
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	36865293	Bumper, Rubber	6	<i>.....Continued</i>
L	35296342	Clamp	1	
	36893196	2 Light Wiring Harness	1	
	36893345	4 Light Wiring Harness and Electric Brakes )	1	

# 1000 Watt Optical Socket Assembly



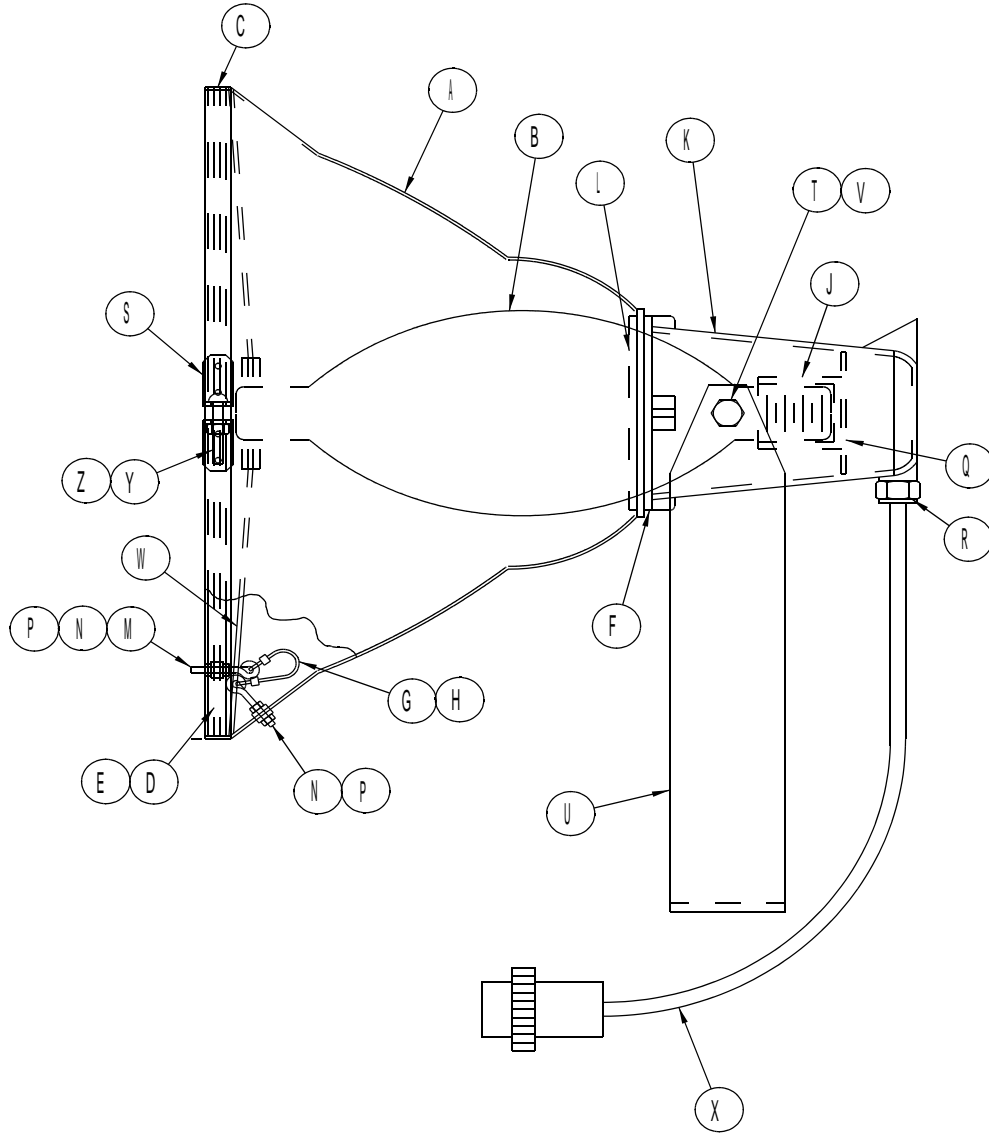
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22515480	Clamp, Band Assembly	1	
B	22515498	Screw	1	
C	22515506	Nutsert	1	
D	22515514	Clamp, Band Left Angle Bracket	1	
E	22515522	Clamp, Band Right Angle Bracket	1	
F	22515530	Gasket, Lens	1	
G	22515548	Lens, Glass	1	
H	22515555	Reflector, Dimpled	1	
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	
Q	22515621	Screw	2	
R	22515639	Bracket, Socket	1	
S	22515647	Insulator, Lamp Holder	1	<i>Continued.....</i>

# 1000 Watt Optical Socket Assembly



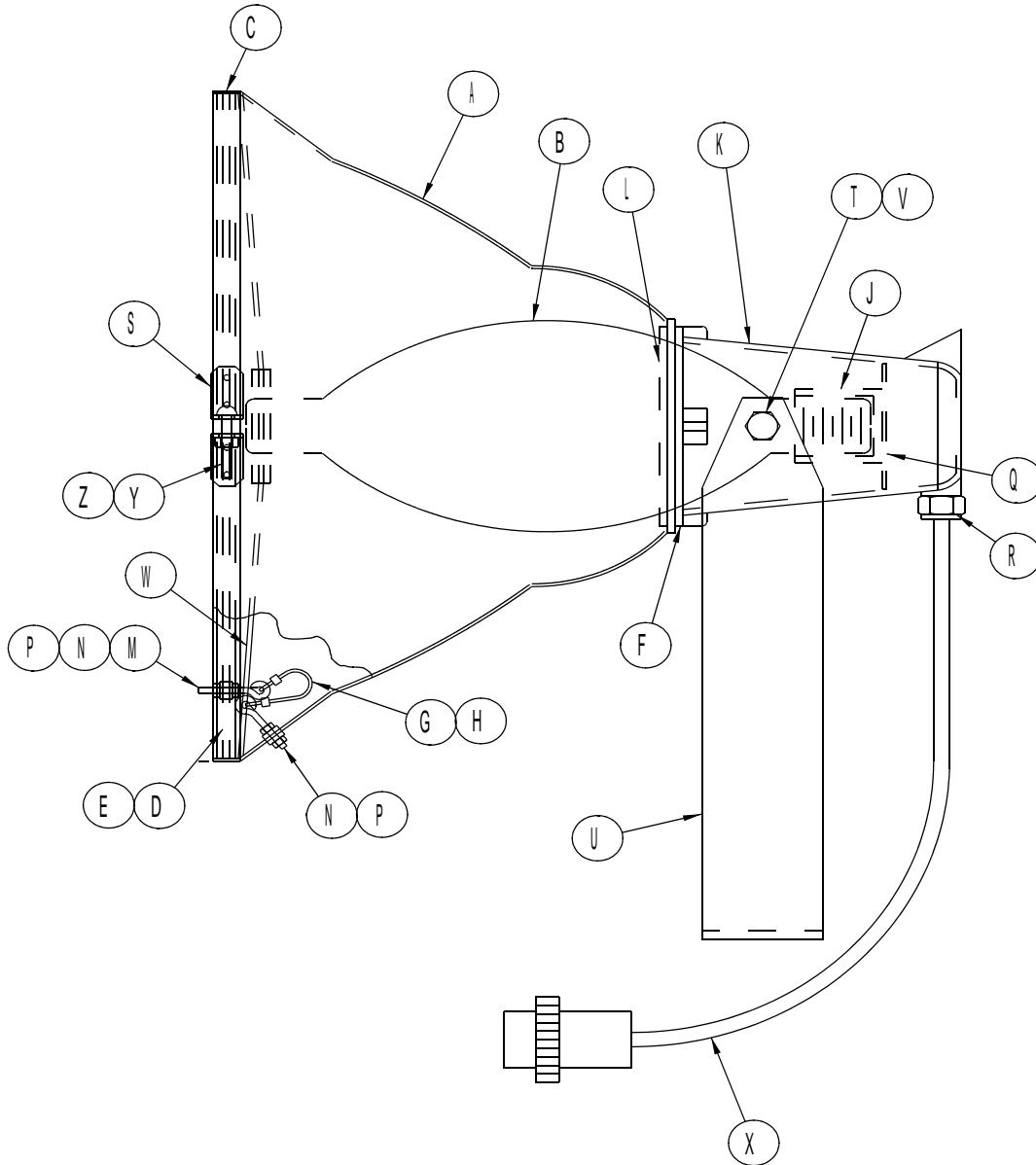
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
T	22515654	Socket, Mogul	1	<i>.....Continued</i>
U	22515662	Screw	2	
V	22515670	Plate, Heat Sink	1	
W	22515688	Casting, Aluminium	1	
X	22515696	Bolt	2	
Y	22515704	Handle, Adjustment	2	
Z	22515712	Washer, External Tooth	2	
A1	22515720	Trunnion, Galvanized	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
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	
N	36885390	Locknut	4	<b>Continued.....</b>



# 1500 Watt Optical Socket Assembly





ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	36885408	EyeBolt	2	<b>.....Continued</b>
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	

Decal Location

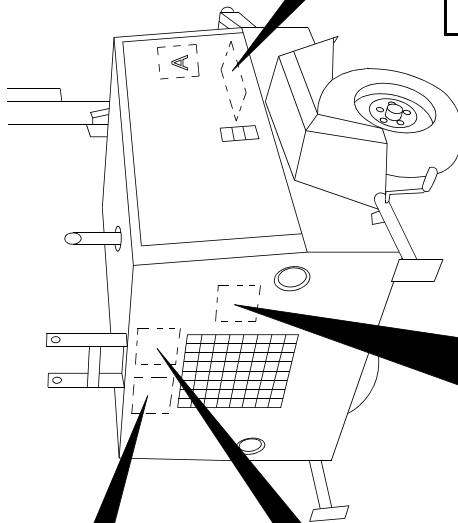
		Decal	Location		
--	--	-------	----------	--	--


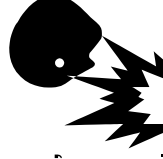
	<b>WARNING</b>		54568779 REV. A
<b>Rotating fan blade. Can cause serious injury.</b>		Do not operate without guard on place.	
<b>Ingersoll Rand</b>			

54568779 ROTATING FAN DECALS


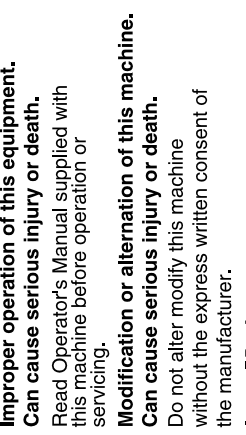
	<b>WARNING</b>		54568761 REV. A
<b>Hot pressurized fluid. Can cause severe burns.</b>		Do not open radiator while hot.	
<b>Ingersoll Rand</b>			

54568761 HOT PRESSURIZED FLUID DECAL



	<b>WARNING</b>		54568753 REV. A
<b>Combustible gas. Can cause serious burns, blindness or death.</b>		Keep sparks and open flames away from batteries.	
<b>Ingersoll Rand</b>			

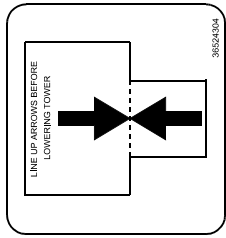
54568753 BATTERY GASES DECAL

	<b>WARNING</b>		54568787 REV. A
<b>Improper operation of this equipment. Can cause serious injury or death.</b>		Read Operator's Manual supplied with this machine before operation or servicing.	
<b>Ingersoll Rand</b>			

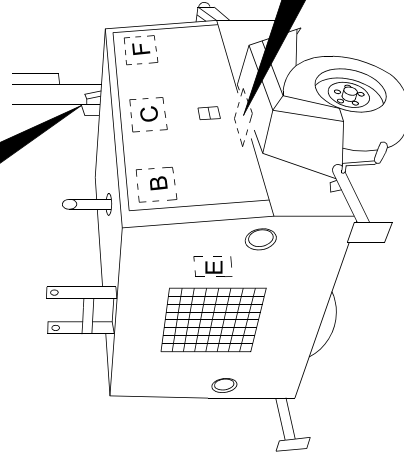
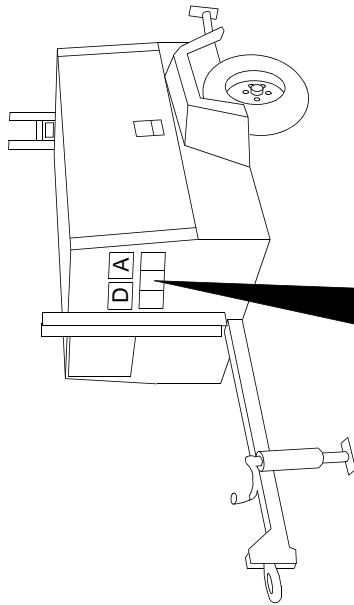
54568787 IMPROPER OPERATION DECAL (L6)

# Decal Location

36524304 ALIGN ARROWS DECAL



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



<p><b>WARNING</b></p> <p><b>Crush area. Can cause serious injury.</b></p> <p>Stay clear.</p> <p><b>Ingersoll Rand</b></p>	<p><b>WARNING</b></p> <p><b>Non-vertical tower. Can cause serious injury or death.</b></p> <p>Extend, retract or use in VERTICAL position only. Latch and lock pin securely.</p>	<p><b>DANGER</b></p> <p><b>Electric shock hazard. Will cause serious injury or death.</b></p> <p>Do not position light tower under electric power lines.</p>
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54604905 3-PART WARNING DECAL

54605027 HAZARDOUS VOLTAGE DECAL

	Decal Location		
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# Decal Location

54568803 JACKSTAND / TOWING DECAL



## ⚠ 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 Rand** 54568803 REV. A

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

36522035 IMPROPER OPERATION DECAL (L6)



## ⚠ WARNING

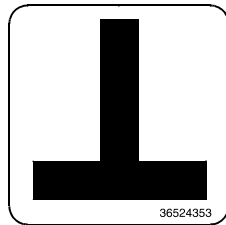
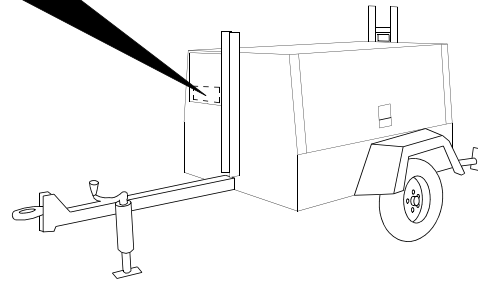
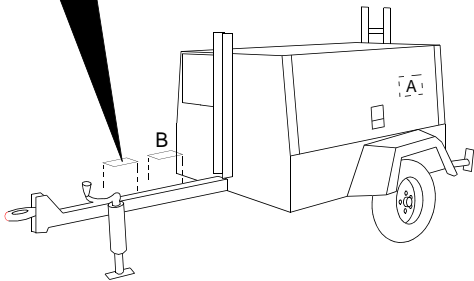
**Improper operation of this equipment.  
Can cause serious injury or death.**

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 Rand** 54568787 REV. A



36524353 VERTICAL TOWER DECAL

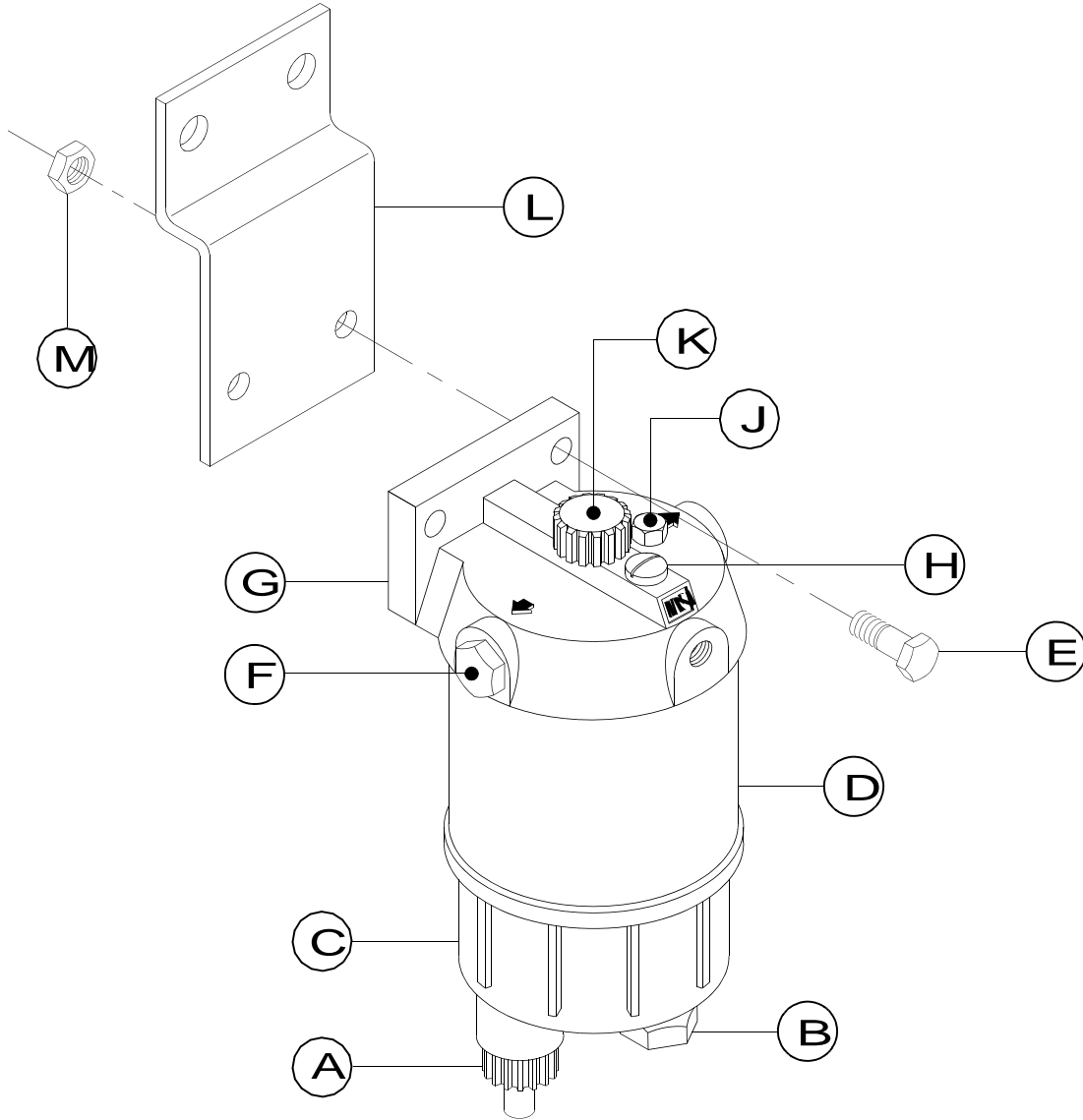
		Decal Location		
--	--	----------------	--	--



# OPTIONS

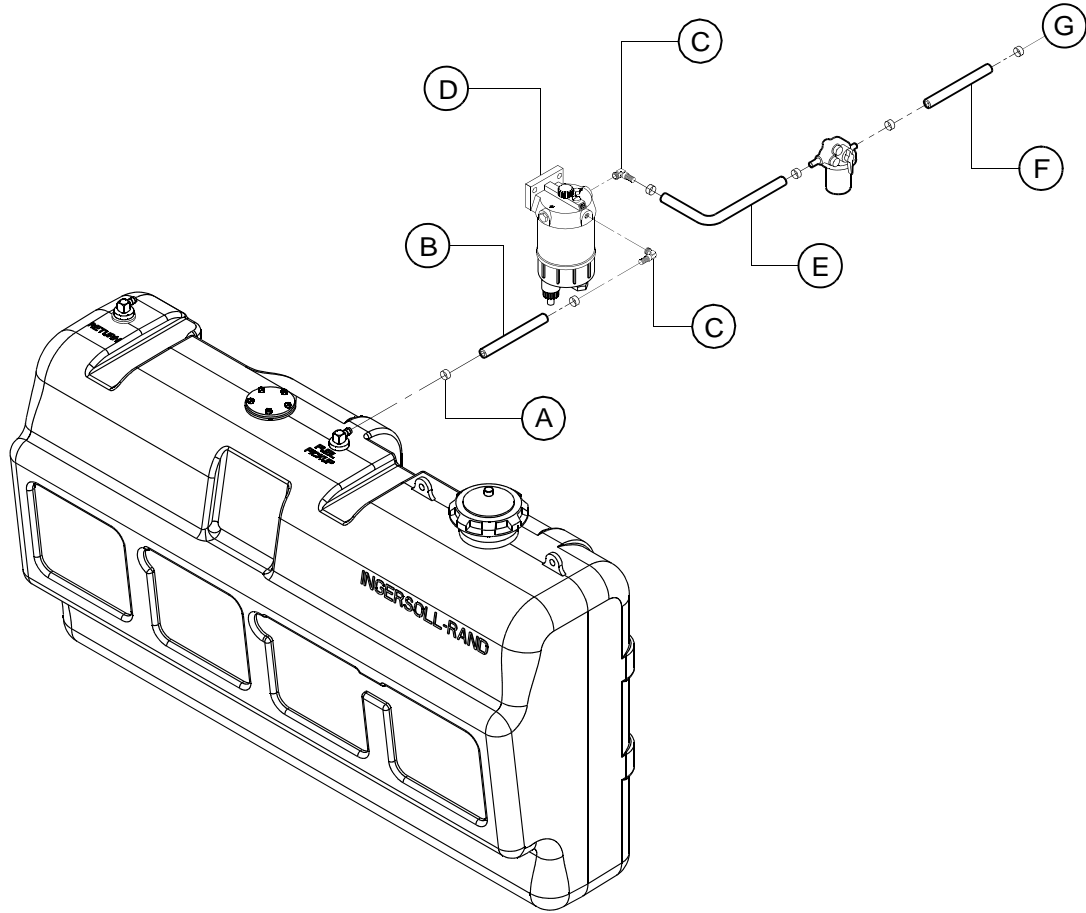
		Options		
--	--	---------	--	--

# Water Separator Filter



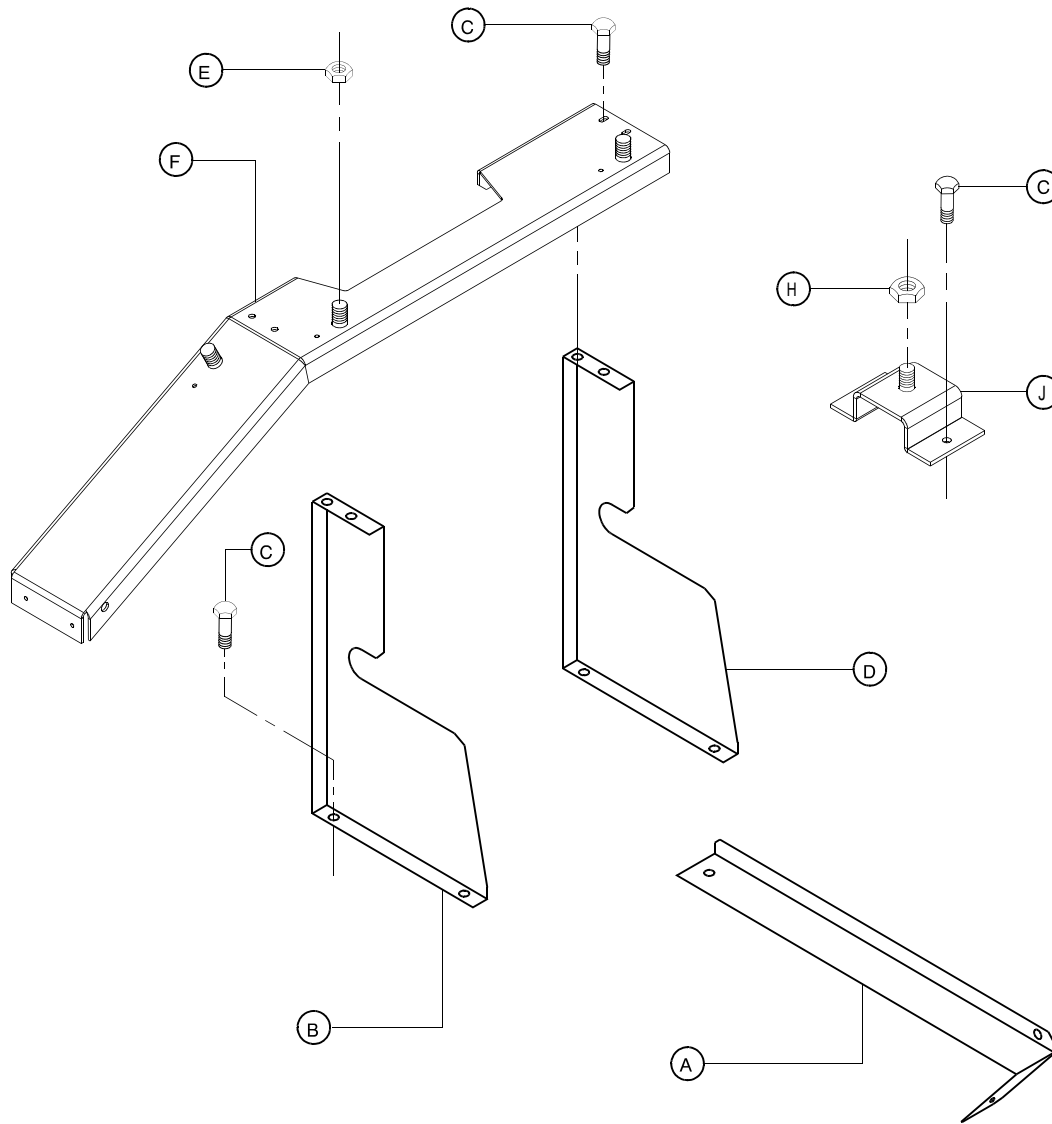
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35358373	Knob, Drain	1	
B	35358399	Plug	1	
C	35359340	Bowl	1	
D	35367978	Filter	1	
E	35271162	Screw	2	
F	36876910	Plug	1	
G	35358357	Head, Filter	1	
H	35358381	Plug	1	
J	35368703	Plug, Vent	1	
K	35358365	Screw, Thumb	1	
L	36797777	Bracket, Mounting	1	
M	36881886	Nut	2	
	36500957	Filter Assembly	1	

## Water Separator Filter Piping



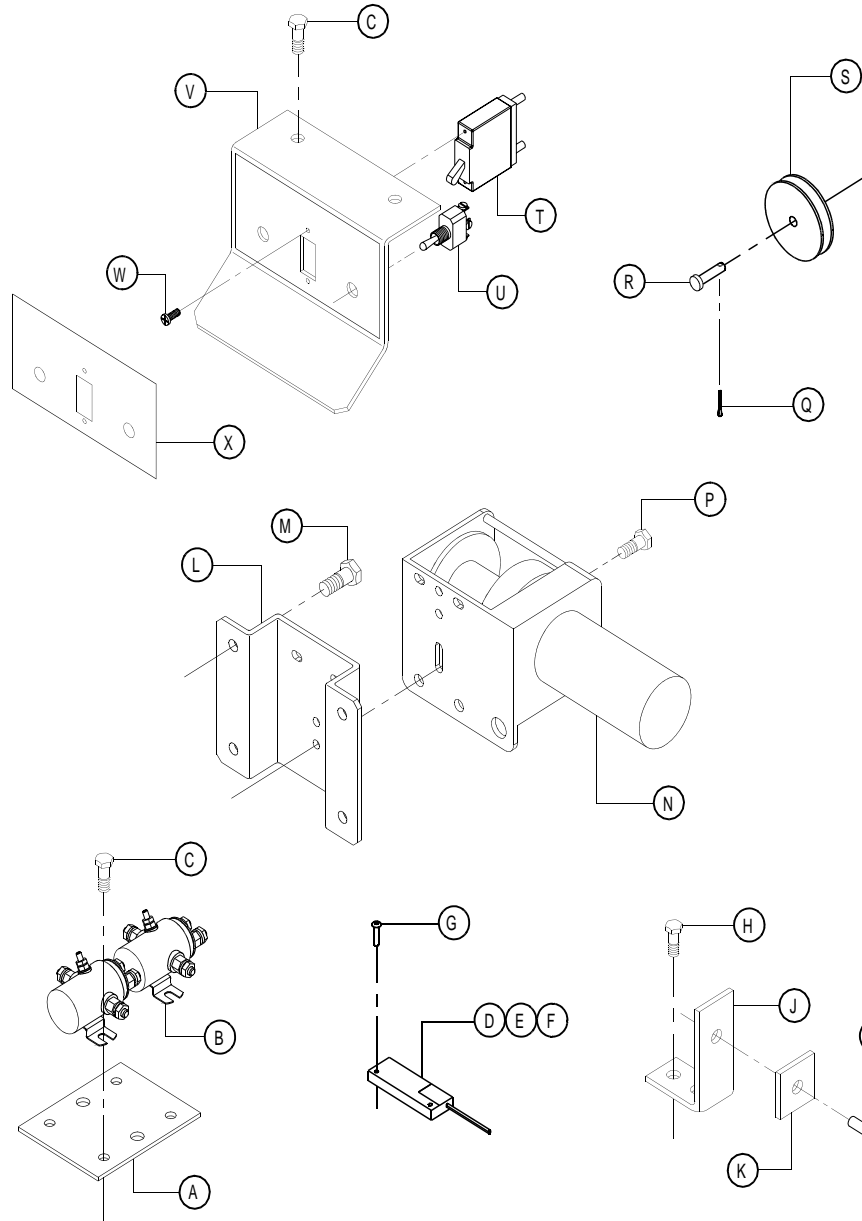
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35296342	Clamp	6	
B	35363498	Hose, Fuel ( 25 inches )	1	
C	35378538	Elbow, 90	2	
D	36500957	Filter, Fuel	1	
E	35363498	Hose, Fuel ( 15 inches )	1	
F	35363498	Hose, Fuel ( 9 inches )	1	
G	-----	To Fuel Pump on Engine		

## Light Storage



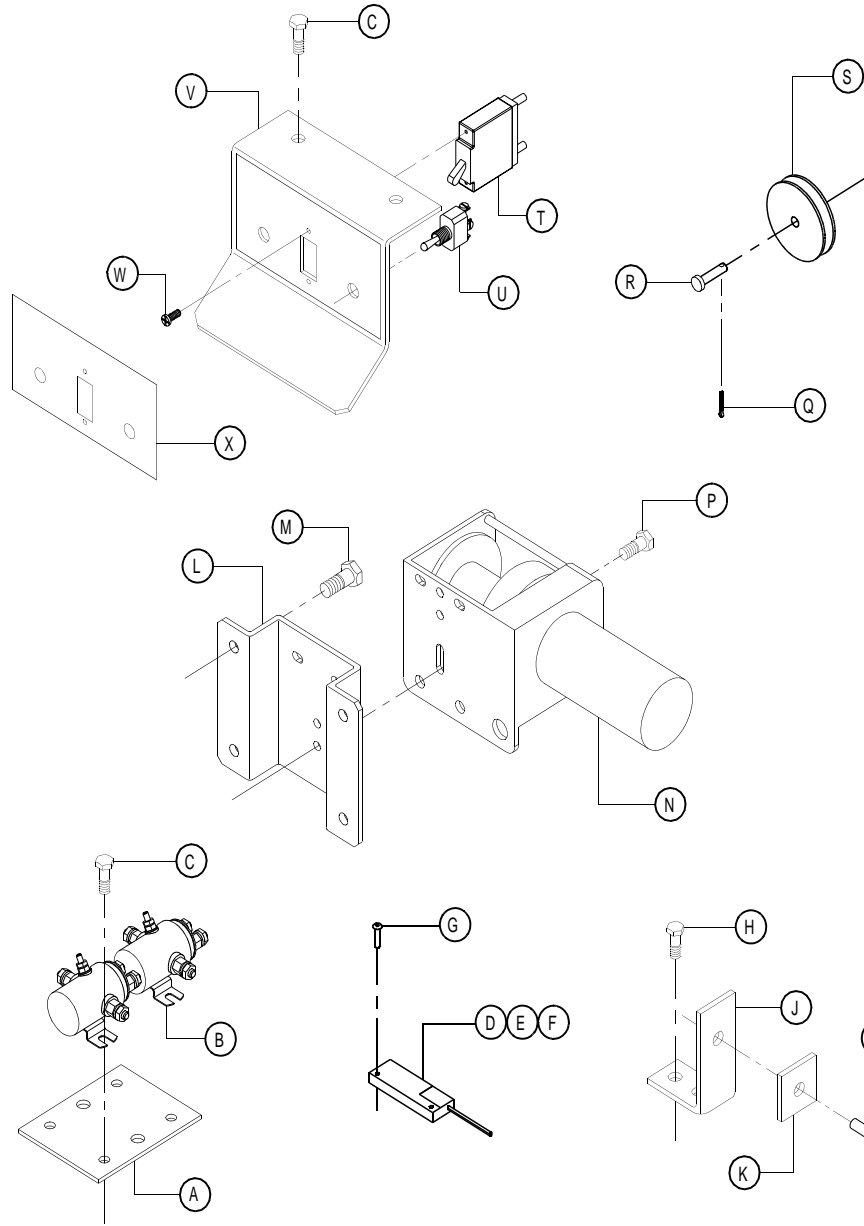
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22515571	Brace, Lamp Storage	2	
B	36899375	Bracket, Left Lamp Storage	1	
C	92368687	Screw	8	
D	36899383	Bracket, Right Lamp Storage	1	
E	36922862	Nut	3	
F	36922870	Bracket, Upper Lamp Storage	1	
G	36776136	Screw	4	
H	95922928	Nut	1	
J	36922862	Bracket, Single Lamp Storage	1	

# Electric Winch Assembly



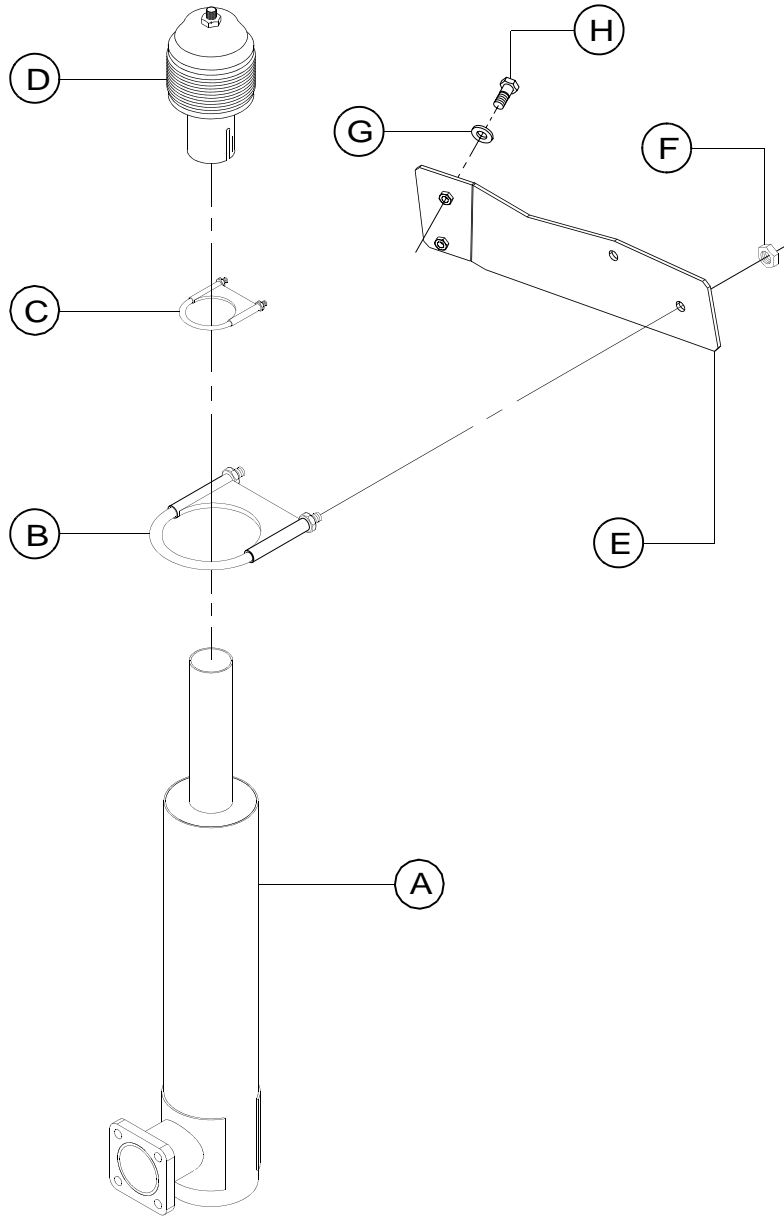
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881548	Bracket, Solenoid Mounting	1	
B	22451702	Relay, Electric Winch	2	
C	92368687	Screw	15	
D	36876803	Sensor, Proximity	2	
E	35323385	Terminal	4	
F	35356583	Mount	6	
G	36792414	Rivet	6	
H	35300771	Screw	2	
J	36877801	Bracket, Magnet	1	
K	36876746	Sensor, Magnet	1	
L	36894343	Bracket, Electric Winch	1	<b>Continued....</b>

## Electric Winch Assembly



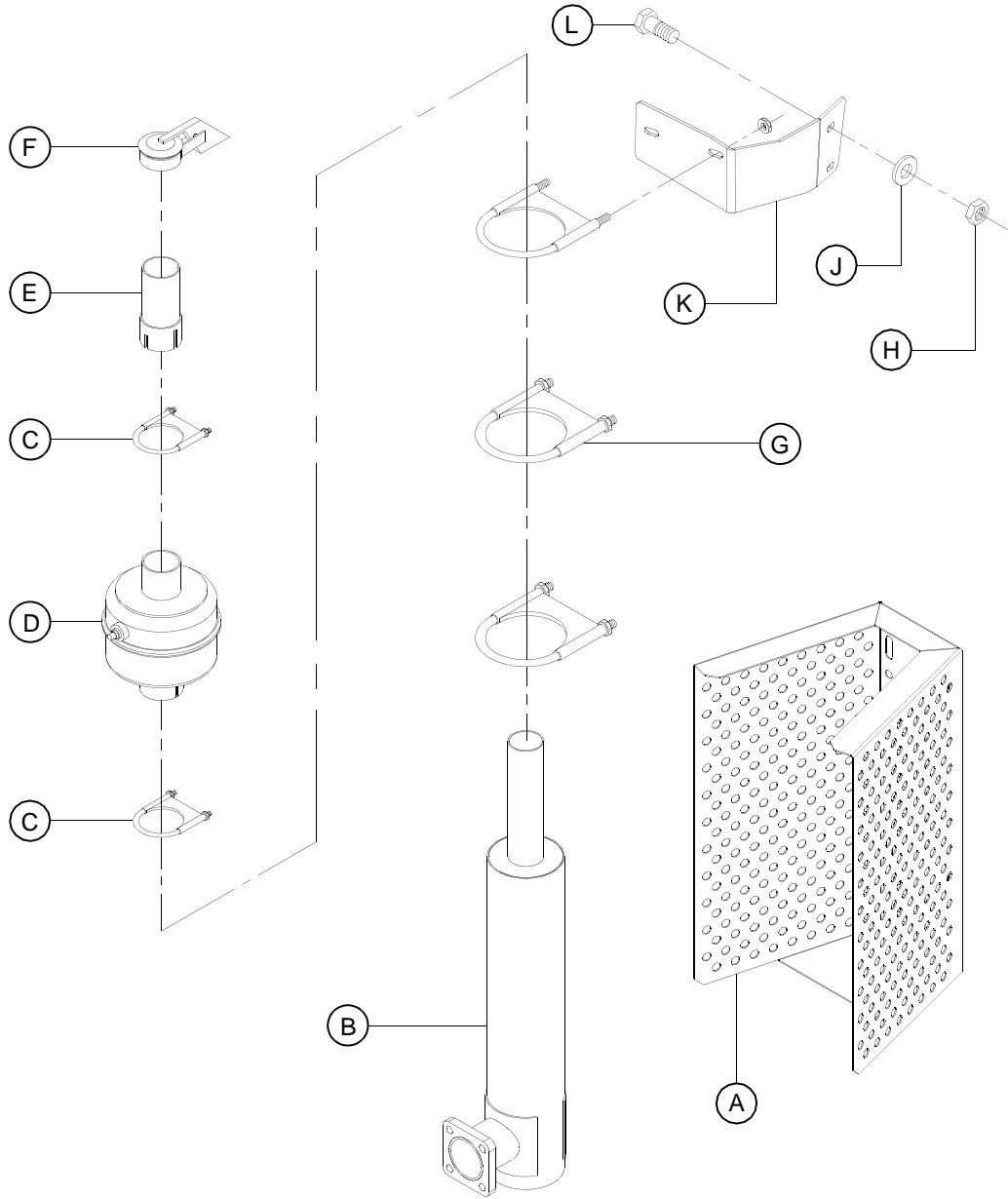
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	35279025	Screw	4	<b>.....Continued</b>
N	36878056	Winch, 12 Volt	2	
P	35271162	Screw	6	
Q	95928867	Pin, Cotter	1	
R	36869246	Pin, Clevis	1	
S	36783009	Pulley	1	
T	36850402	Breaker, 70amp Circuit	1	
U	36794204	Switch, Toggle	2	
V	36875284	Bracket, Winch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



## Wiring Parts List

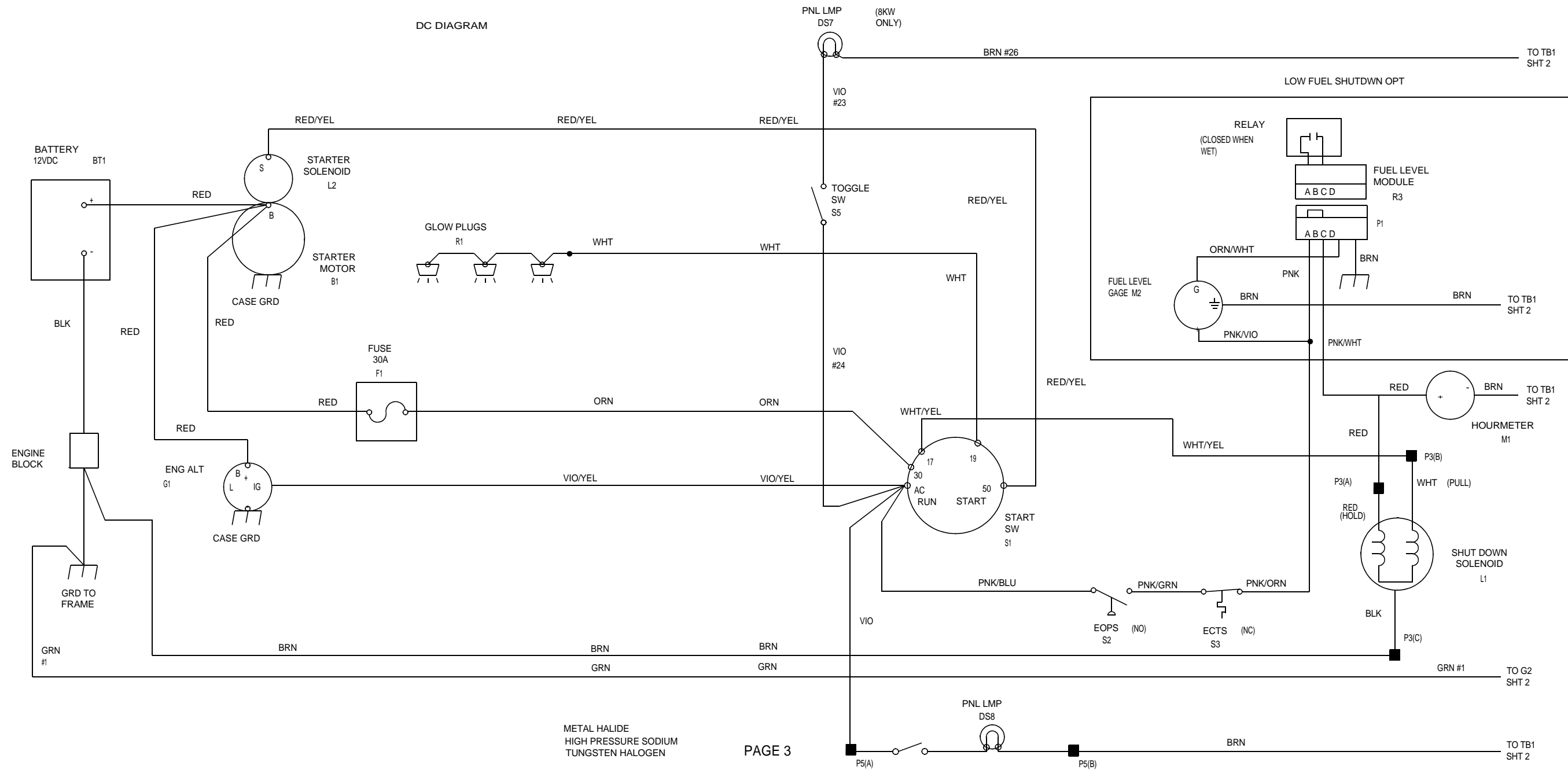
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
BT1	36844967	12 Volt Battery		
F1	36786259	30 Amp Fuse		
S1	36786457	Start Switch		
S2	36757581	Engine Oil Pressure Switch		
S3	36868479	Engine Temperature Switch		
S4	35337435	Toggle Switch		
S5	35337435	Toggle Switch		
M1	36841245	Hourmeter		
M2	35504099	Fuel Level Gage		
R1		Supplied With Engine		
L1		Supplied With Engine		
L2		Supplied With Engine		
DS1- DS4	36796837	High Pressure Sodium Lamp		
DS1- DS6	36847747	Metal Halide Lamp		
DS7	36843852	Panel Lamp		
DS8	36844066	Reel Lamp		
R3	36789931	Fuel Level Module		
G2	36882504	Generator - 6kw		
	36883528	Generator - 8kw		
CB1	36875953	Main Circuit Breaker - 6kw		
CB2- CB3	35371772	120 Volt Receptacle		
CB4	36898237	30 Amp Circuit Breaker		
CB6- CB10	36898211	15 Amp Breaker		
CB11	36875961	Main Circuit Breaker - 8kw		

## Wiring Parts List

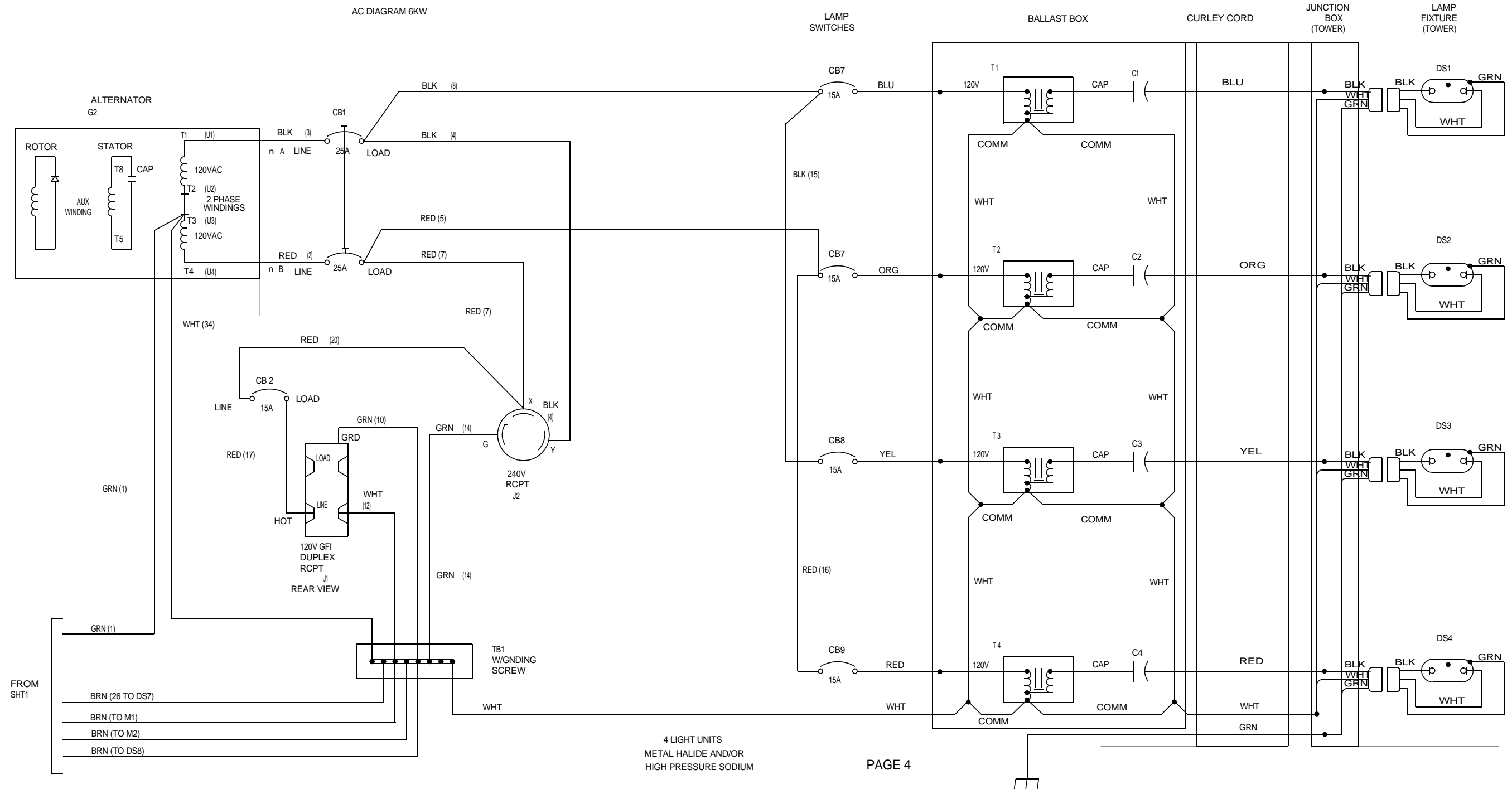
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S6-S9	35337435	Lamp Switch		
J1-J2	36883817	125 Volt Receptacle		
J3	36848752	250 Volt Receptacle		
TB1	36787265	Bus Bar		
S5	35337435	Toggle Switch		
C1-C4	36888683	Metal Halide Capacitor ( 1000w )		
	36888683	High Pressure Sodium Capacitor ( 1000w )		
	22263024	Tungsten Halogen Capacitor ( 1500w )		
CAP1	36883478	6kw Alternator Capacitor		
CAP2	36883486	8kw Alternator Capacitor		
DS1- DS6	36847747	Metal Halide Lamp ( 1000w )		
	36796837	High Pressure Sodium Lamp ( 1000w )		
	36795417	Tungsten Halogen Lamp ( 1000w )		
	36792398	Tungsten Halogen Lamp ( 1500w )		
T1-T6	36883791	Ballast ( 1000w )		
	22262620	Ballast ( 1500w )		



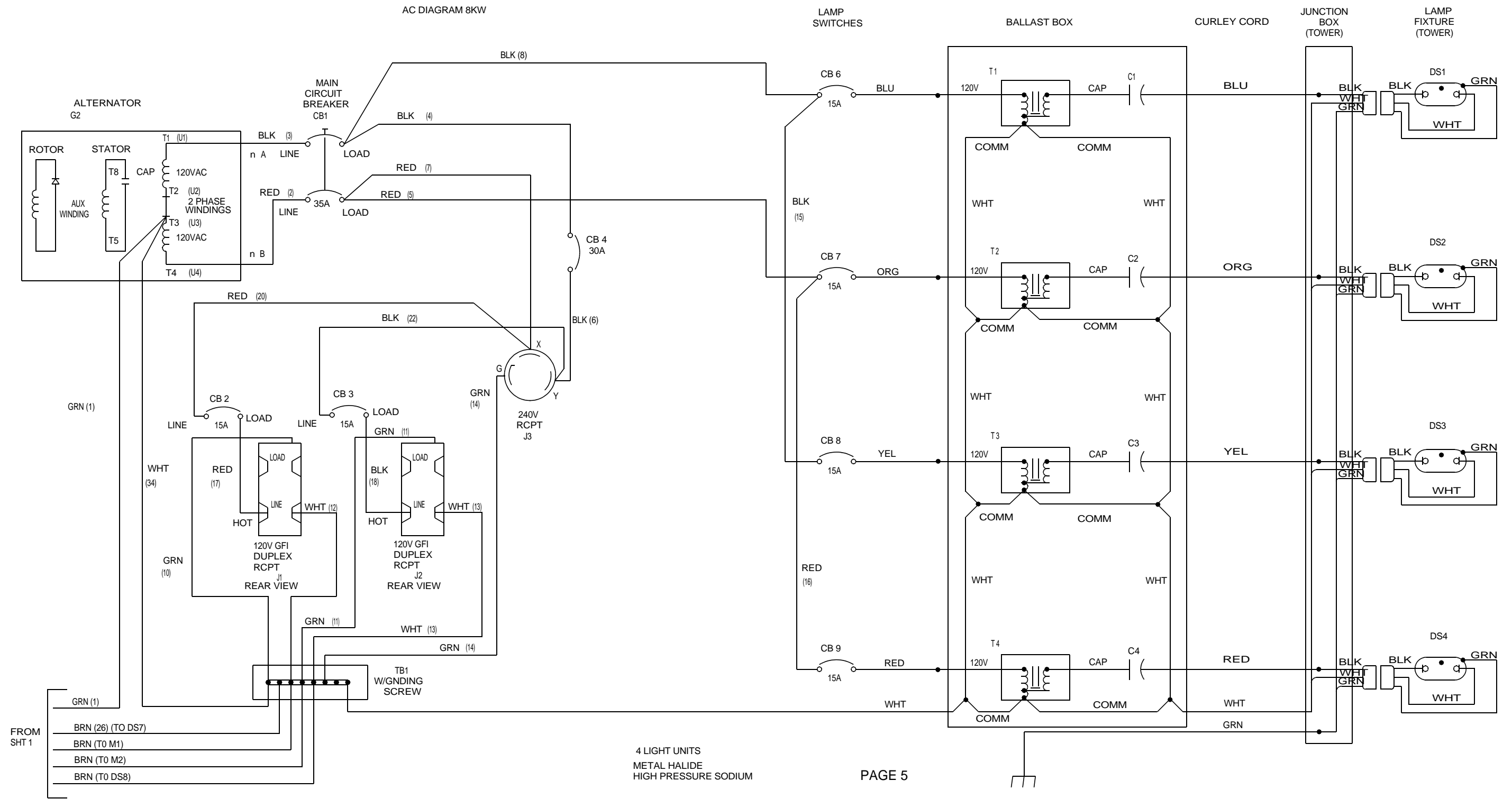
# DC Wiring Diagram



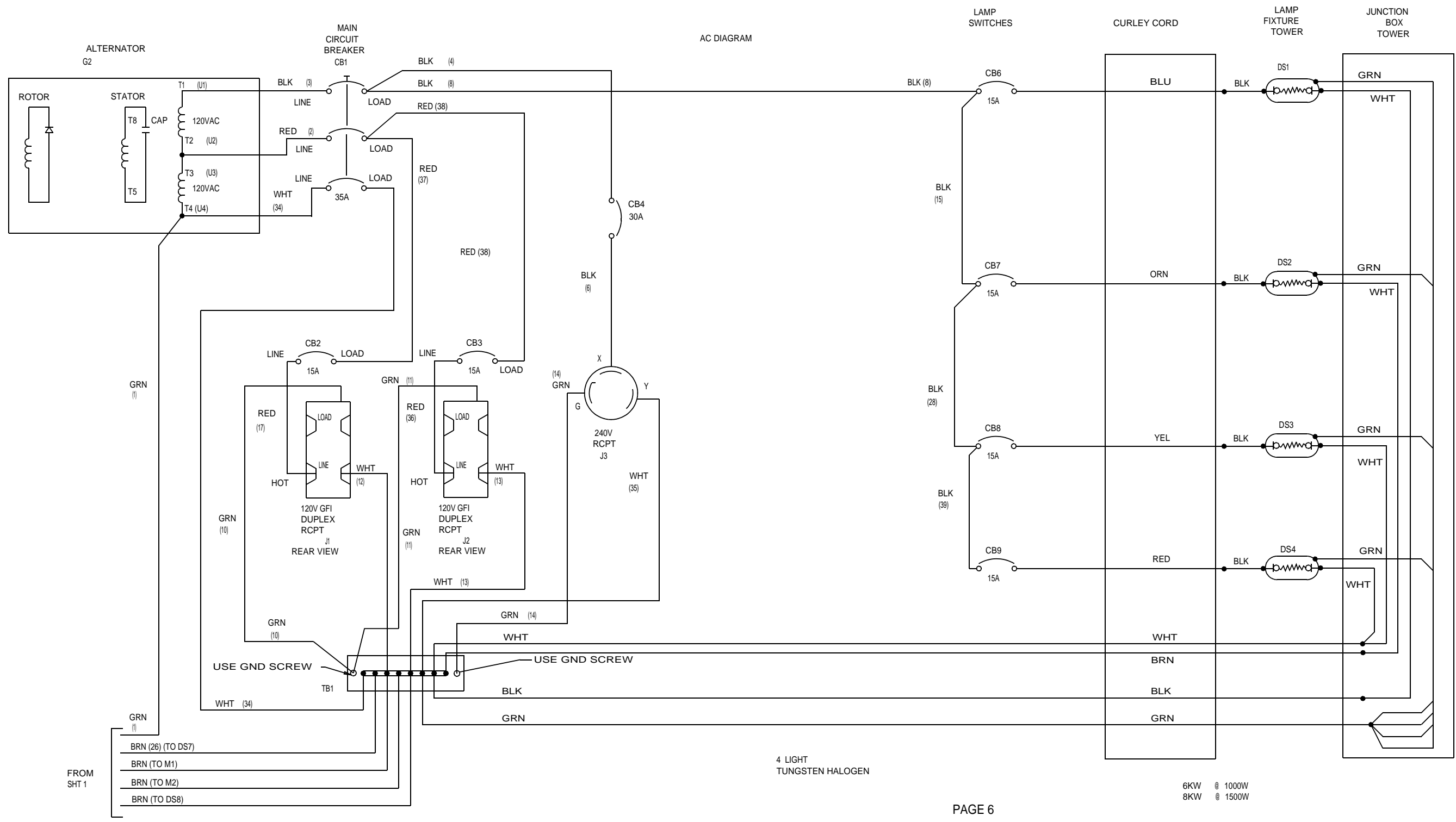
# AC Wiring Diagram 6KW



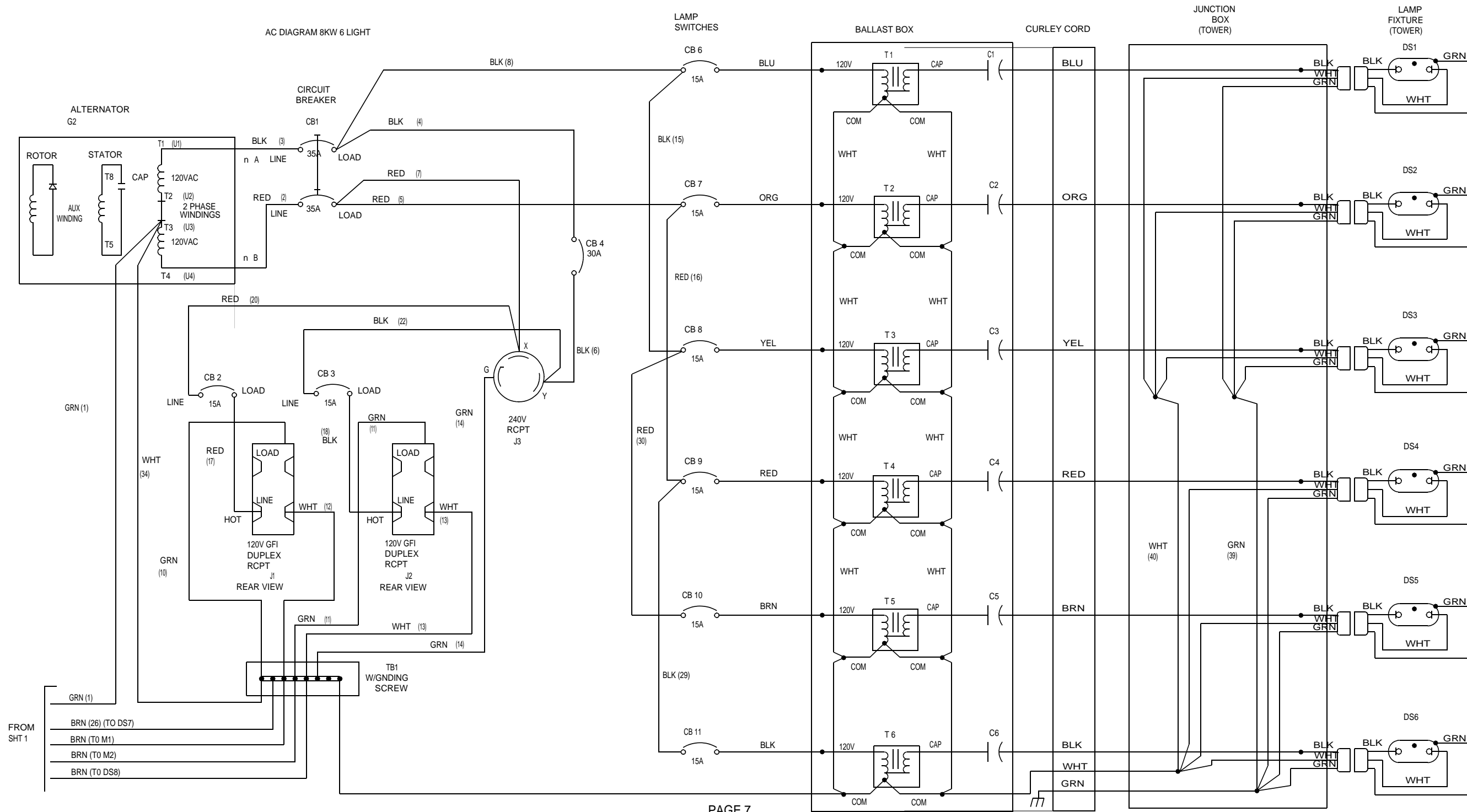
# AC Wiring Diagram 8KW



# AC Wiring Diagram Tungsten-Halogen



### AC Wiring Diagram 8KW / 6 Light





# Section 4 - Electrical Schematic





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## Symbols

----- 14, 15, 28, 35, 41

----- 15

## Numerics

22144521 6

22173561 13

22246268 7

22246276 8

22260905 15

22262612 34

22262620 19, 48

22263016 22

22263024 19, 48

22284079 25, 26

22284087 28

22284103 27

22284111 28

22317804 45

22335053 25

22347710 6

22348817 24

22348825 24, 28

22356752 15

22356760 15

22439889 13

22439897 13

22451702 43

22501217 22

22515480 32

22515498 32

22515506 32

22515514 32

22515522 32

22515530 32

22515548 32

22515555 32

22515571 32, 42

22515589 32

22515597 32

22515605 32

22515613 32

22515621 32

22515639 32

22515647 32

22515654 33

22515662 33

22515670 33

22515688 33

22515696 33

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22515704 33  
22515712 33  
22515720 22, 33  
22515738 33  
22515753 33  
22515761 33  
22515779 33  
22574495 13  
22617419 46  
22617427 46  
22617435 46  
22640890 24  
22655690 46  
22656532 46  
22690234 6  
22690242 7  
22776892 21  
35046275 8  
35129097 16  
35270469 6  
35271162 6, 40, 44  
35273366 11, 12  
35277706 8  
35279025 11, 12, 15, 19, 44  
35282565 7  
35291988 8  
35292333 45, 46  
35292986 7  
35296342 15, 31, 41  
35300771 43  
35306141 19, 20  
35315118 10  
35315142 9  
35315183 9  
35315191 9  
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35315217 9  
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