



# ML 6/ML 8 OPERATOR'S MANUAL

ALLMAND BROS. INC  
P.O. BOX 888  
HOLDREGE, NE 68949

PHONE: 308/995-4495, 1-800/562-1373  
ALLMAND FAX: 308/995-5887  
ALLMAND PARTS FAX: 308/995-4883

 **MAXI-LITE SERIES**

Part No. 103406

For Parts and Updates visit Allmand on the Web at [www.allmand.com](http://www.allmand.com)

# INSPECTION CHECK LIST

---

## FOR PREPARING THE MAXI LITE FOR DELIVERY OR RENTAL

The **MAXI LITE** requires service as well as proper operation in order to provide the performance and safety it has been designed for. Never deliver or put a machine into service with known defects or missing instructions or decals. Always instruct the customer in the proper operation and safety procedures as described in the operator's manual. Always provide the manual with the equipment for proper and safe operation.

### CHECK LIST:

- Visually inspect the equipment to ensure that all instructions and decals are in place and legible.
- Inspect the tower latch and knob assembly which locks the tower in the vertical position for proper operation
- Check the hitch assembly and safety tow chains
- Check the outriggers and jacks to make sure they operate properly
- Inspect the light assemblies for damage and test for proper operation
- Inspect the electrical wiring for signs of damage
- Check the ground rod cable and the ground lug. Make sure they are clean, undamaged, and functional.
- Inspect the tires to ensure good condition and proper inflation
- Check oil, fuel, coolant levels, and hydraulic fluid levels.
- Check to make sure the operator's manual is with the equipment.
- Inspect the machine physically for damage and repair if necessary.

**NOTE:** See appropriate section of manual for scheduled maintenance intervals.

**After completing the inspection check list, operate the tower through a complete operation cycle, following the operating instructions in the operator's manual.**



### **WARNING**

**NEVER ALLOW ANYONE TO OPERATE THE EQUIPMENT WITHOUT  
PROPER TRAINING!**

**ALWAYS READ THE INSTRUCTIONS FIRST!**

# TABLE OF CONTENTS

---

---

<b>INSPECTION CHECK LIST .....</b>	<b>2</b>
<b>TABLE OF CONTENTS .....</b>	<b>3</b>
<b>INTRODUCTION .....</b>	<b>4</b>
<b>SAFETY SYMBOL INFORMATION .....</b>	<b>4</b>
<b>SAFETY AND WARNING DECALS .....</b>	<b>5-7</b>
<b>MANUAL WINCH MAST OPERATION .....</b>	<b>8-9</b>
<b>ELECTRIC WINCH MAST OPERATION .....</b>	<b>10-11</b>
<b>SPECIFICATIONS .....</b>	<b>12-13</b>
<b>SERIAL NUMBER LOCATION .....</b>	<b>14</b>
<b>SPECIFICATIONS .....</b>	<b>15-17</b>
<b>CONTROLS AND COMPONENTS .....</b>	<b>18-25</b>
<b>ROUTINE MAINTENANCE SCHEDULE .....</b>	<b>26</b>
LISTER-PETTER LPW-3	
<b>ROUTINE MAINTENANCE SCHEDULE .....</b>	<b>27</b>
KUBOTA D905 D1105 AND PERKINS 103-10	
<b>TROUBLESHOOTING .....</b>	<b>28</b>
<b>ASSEMBLY PARTS AND ACCESSORIES .....</b>	<b>29</b>

# INTRODUCTION

---

- This manual provides the information necessary for the safe operation of the Allmand Bros., Inc., **MAXI-LITE** light tower.
- The **MAXI-LITE** standard tower configuration is operated with two manual crank winches or single electric winch used to erect, extend, and lower the tower.
- Specific operating instructions and specifications are contained in this publication to familiarize the operator and maintenance personnel with the correct and safe procedures necessary to maintain and operate the equipment.

**Take time to read this book thoroughly.** If you are uncertain about any of the information presented in the manual, contact the factory or your dealer for clarification before operation.

## SAFETY SYMBOLS

---

The purpose of the **SAFETY INFORMATION SYMBOL** shown below is to attract your special attention to safety related information contained in the text.



FAILURE TO UNDERSTAND AND COMPLY WITH SAFETY RELATED INFORMATIONAL INSTRUCTIONS MAY RESULT IN INJURY TO OPERATOR OR OTHERS. IF YOU DO NOT UNDERSTAND ANY PART OF THIS INFORMATION CONTACT YOUR DEALER FOR CLARIFICATION PRIOR TO OPERATING EQUIPMENT.

## NOTE

---

The word **NOTE** is used to bring your attention to supplementary information in relation to various aspects of proper operation and maintenance.

**NOTE:** Keep this manual accessible during operation to provide convenient reference.

**NOTE:** Any reference in this manual to **LEFT** or **RIGHT** shall be determined by looking at the trailer from the rear.

# SAFETY AND WARNING DECALS

## SAFETY WARNING

ALWAYS REPLACE ANY SAFETY AND INSTRUCTION DECALS THAT BECOME DAMAGED, PAINTED, OR OTHERWISE ILLEGIBLE.

Refer to these representations of the safety warning decals used on the MAXI-LITE to insure correct ordering if replacing becomes necessary.

**OPERATING INSTRUCTIONS**  
Read and understand Operator's Manual before operating machine.

**BEFORE STARTING:**

1. Visually inspect machine for leaks or damage.
2. Make sure battery connections are clean and tight.
3. Check engine oil level (see manual).
4. Check fuel supply (see manual).
5. Check air cleaner, seals, hoses and clamps (see manual).

**STARTING:**

1. Turn off all circuit breakers.
2. Turn ON/OFF toggle switch to up (ON) position.
3. Press and hold PREHEAT switch (below 30° F, hold for 1 minute before adding step 4).
4. Press START switch while holding PREHEAT switch in. Release both switches as soon as engine starts.

**NOTE** Do not crank for more than 10 seconds without allowing starter to cool for 30 seconds.

**STOPPING:**

1. Turn lights off with circuit breakers.
2. Unplug external leads.
3. Turn ON/OFF toggle switch to down (OFF) position.

**CAUTION**  
MAKE SURE GROUND ROD IS PUT AWAY AND JACKS, OUTRIGGERS AND MAST ARE FULLY RETRACTED AND LOCKED INTO PLACE BEFORE TOWING.

D-151

**PART NO. D-151**  
Location: Inside left hand door panel of Lister Petter engine units.

**OPERATING INSTRUCTIONS**  
Read and understand Operator's Manual before operating machine.

**BEFORE STARTING:**

1. Visually inspect machine for leaks or damage.
2. Make sure battery connections are clean and tight.
3. Check engine oil level (see manual).
4. Check fuel supply (see manual).
5. Check air cleaner, seals, hoses and clamps (see manual).

**STARTING:**

1. Turn lights off with circuit breakers.
2. Turn switch to Preheat position, hold until the glow plug lamp goes out.
3. Turn switch to start position until the engine starts. Release key as soon as the engine starts.
4. If engine fails to start, repeat cycle.

**NOTE** Do not crank for more than 10 seconds without allowing starter to cool for 30 seconds.

**STOPPING:**

1. Turn lights off with circuit breakers.
2. Unplug external leads.
3. Turn ON/OFF toggle switch to down (OFF) position.

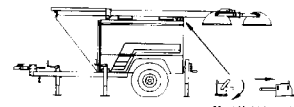
**CAUTION**  
MAKE SURE GROUND ROD IS PUT AWAY AND JACKS, OUTRIGGERS AND MAST ARE FULLY RETRACTED AND LOCKED INTO PLACE BEFORE TOWING.

D-248

**PART NO. D-249**  
Location: Inside left hand door panel of Kubota engine units.

**LIFTING INSTRUCTIONS**

**CAUTION**  
A MINIMUM OF 2 TONS LIFTING CAPACITY IS REQUIRED TO LIFT THIS MACHINE!



Mast Holddown Pin

**BEFORE LIFTING:**

1. Make sure the mast holddown pin (shown above) is fully inserted and secure to lock the mast in place.
2. Unplug all external equipment and move it a safe distance away.
3. Clear the machine of all known objects.

**WARNING!**  
Lifting heavy equipment is a dangerous activity. Do not allow personnel on or near the machine and keep all bystanders a safe distance away. Failure to follow these instructions could result in severe injury or death.

D-264

**PART NO. D-264**  
Location: Inside left hand door panel.

**ERECT MAST & RAISE LIGHTS**

1. LOCK PLUG IN POSITION OF JACKS.
2. CONNECT GROUND ROD AND MAKE SURE TIGHT.
3. SET MANUAL PUMP.
4. RAISE MAST TO FULL HEIGHT.
5. TURN ON/ OFF LIGHTS UP AND RETRACTED IN.
6. CHECK TO BE SURE LIGHTS.

**LOWER MAST**

1. LOWER MAST TO FULLY DOWN POSITION.
2. DISCONNECT GROUND ROD AND LOCK IN POSITION.
3. DISCONNECT PLUG IN POSITION.

**LAY MAST DOWN**

1. TURN OFF LIGHTS AND LOWER MAST TO FULLY DOWN POSITION.
2. TURN ON/ OFF LIGHTS DOWN AND RETRACTED IN.
3. MAKE SURE GROUND ROD AND RETRACTED IN POSITION.
4. CHECK TO BE SURE LIGHTS.

D-259

**PART NO. D-259**  
Location: Inside left hand door panel. Manual winch model only.

**ERECT MAST & RAISE LIGHTS**

1. EXTEND MAST WITH WINCH SYSTEMS AND MAKE SURE MAST IS FULLY EXTENDED.
2. CONNECT GROUND ROD AND MAKE SURE TIGHT.
3. ENGAGE LOCK PIN IN PLUG HOLE LATER.
4. TURN ON/ OFF LIGHTS UP AND RETRACTED IN.
5. CHECK TO BE SURE LIGHTS.
6. TURN ON/ OFF LIGHTS UP AND RETRACTED IN.
7. CHECK TO BE SURE LIGHTS.

**LOWER MAST**

1. RETRACT MAST WITH WINCH SYSTEMS AND MAKE SURE MAST IS FULLY RETRACTED.
2. DISCONNECT GROUND ROD AND LOCK IN POSITION.
3. DISCONNECT PLUG IN POSITION.
4. DO NOT TRY TO LOWER MAST UNTIL LIGHTS ARE FULLY RETRACTED.

**LAY MAST DOWN**


1. TURN OFF LIGHTS AND LOWER MAST TO FULLY DOWN POSITION.
2. TURN ON/ OFF LIGHTS DOWN AND RETRACTED IN.
3. MAKE SURE GROUND ROD AND RETRACTED IN POSITION.
4. CHECK TO BE SURE LIGHTS.

D-262

**PART NO. D-262**  
Location: Inside left hand door panel. Electric winch model only.

# SAFETY AND WARNING DECALS

**! WARNING**



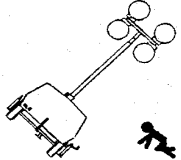
To Prevent Serious Injury or Death:

- Avoid unsafe operation or maintenance.
- Do not operate or work on this machine without reading and understanding the operator's manual.
- If manual is lost, contact your nearest dealer for a new manual.

D-158

**PART NO. D-158**  
Location: AC control panel

**! WARNING**



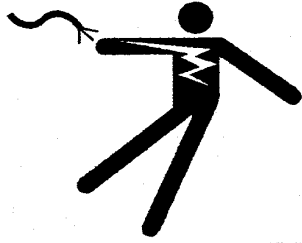
OVERHEAD HAZARD TO PREVENT SERIOUS INJURY OR DEATH:

- DO NOT RAISE, LOWER OR USE LIGHT TOWER UNLESS ALL OUTRIGGERS AND JACKS ARE POSITIONED ON FIRM GROUND.
- LEVEL TRAILER BEFORE USE.

D-166

**PART NO. D-166**  
Location: inside left hand door panel

**! DANGER**



ELECTRIC SHOCK HAZARD

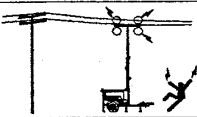
Failure to use ground rod could cause severe injury or death.

- Drive ground rod into earth and attach ground wire to grounding lug on front of trailer.

D-163

**PART NO. D-163**  
Location: On left side wheel well

**! DANGER**



ELECTRICAL SHOCK HAZARD Will Cause Severe Injury or Death

Do not position light tower under electric power lines.

D-165

**PART NO. D-165**  
Location: Inside left hand door panel


**WARNING**

FAILURE TO TURN OFF LIGHTS BEFORE STOPPING ENGINE MAY RESULT IN GENERATOR DAMAGE AND VOID WARRANTY.

D-084

**PART NO. D-084**  
Location: AC control panel

**! DANGER**



HAZARDOUS VOLTAGE

To prevent serious injury or death from electrocution:

- Do not enter electrical compartment while engine is running.
- Close cover before operating.
- Keep components in good repair.


D-162

**PART NO. D-162**  
Location: On left front ABS panel

**GROUNDING LUG**

**PART NO. D-133**  
Location: On left side panel below ground lug

**! WARNING**



COMBUSTIBLE GAS

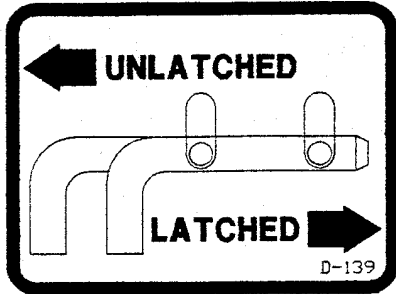
Can Cause Severe Burns or Blindness.

- Keep sparks and open flame away from batteries.

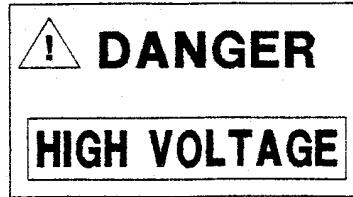
D-159

**PART NO. D-159**  
Location: On right hand wheel well

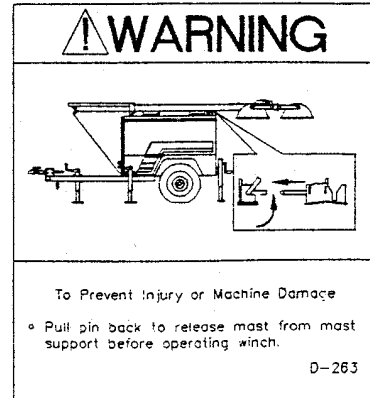
# SAFETY AND WARNING DECALS



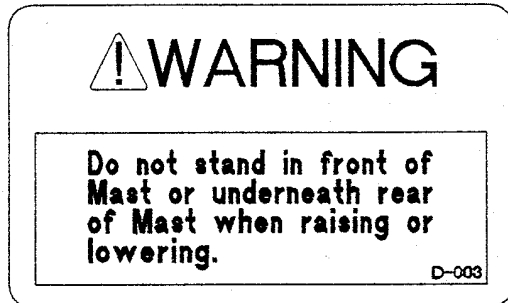
**PART NO. D-139**  
Location: On rear panel under the rear tower support.



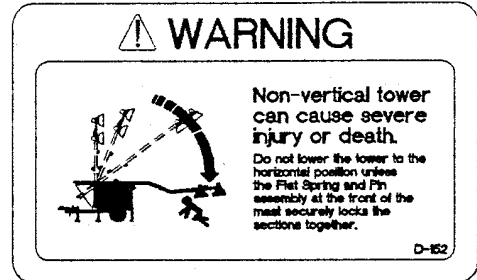
**PART NO. D-002**  
Location: Light bar cover



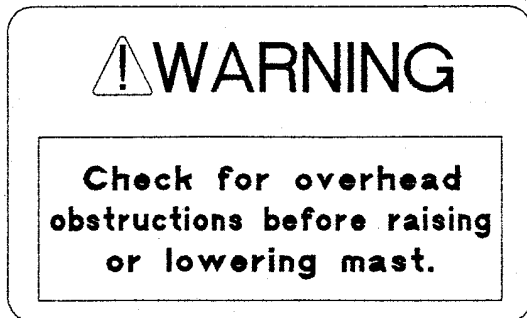
**PART NO. D-263**  
Location: Inside left hand door panel



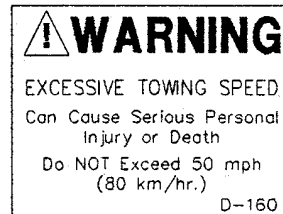
**PART NO. D-003**  
Location: Inside left hand door panel



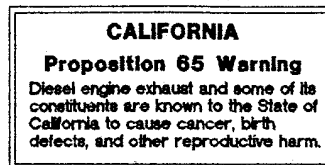
**PART NO. D-152**  
Location: Inside left hand door panel



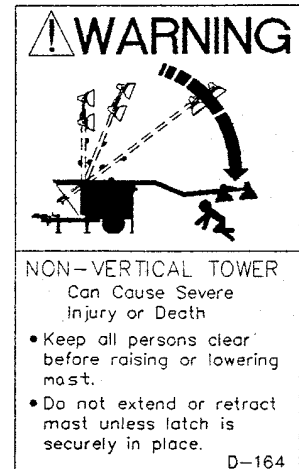
**PART NO. D-005**  
Location: Inside left hand door panel



**PART NO. D-160**  
Location: On pintle hitch



**PART NO. D-179**  
Location: Inside left hand door panel



**PART NO. D-164**  
Location: On mast pivot section

# MANUAL WINCH MAST OPERATION

## DESCRIPTION OF OPERATION

The Allmand **MAXI-LITE** tower assembly consists of a three section telescoping mast which can be raised and extended by operating two hand crank winches. One winch, mounted with the handle extending through the side of the trailer frame, raises and lowers the mast from the horizontal towing position, the vertical position, and back. The second winch mounted on the tower extends the telescopic sections.

The three section mast assembly can be rotated from the ground by loosening a knob and rotating the entire assembly 360° to aim the lights as necessary.



## SAFETY WARNING

- ALWAYS CHECK FOR OVERHEAD OBSTRUCTIONS BEFORE RAISING AND LOWERING MAST. ALLOW 35' CLEARANCE. AVOID ALL OVERHEAD ELECTRICAL WIRES.
- TO PREVENT INSTABILITY AND HELP ENSURE SAFE OPERATION, ALWAYS PROVIDE PROPER GROUND SUPPORT BEFORE RAISING MAST.
- BEFORE RAISING MAST, VISUALLY INSPECT EQUIPMENT FOR DAMAGE OR WEAR. FAMILIARIZE YOURSELF WITH THE LOCATION AND FUNCTION OF ALL OPERATING PARTS BY STUDYING THIS MANUAL. OBSERVE ALL CAUTION DECALS LOCATED ON EQUIPMENT

***NOTE: The latch locks the mast in the vertical position and disengages the sections allowing the tower assembly to be rotated to position the lights.***

## TO ERECT MAST AND RAISE LIGHTS

1. Extend both side outrigger jacks, rear jack and tongue jack to stabilize and level the trailer.

***NOTE: Jacks should be placed only on firm footing.***



## SAFETY WARNING

- WHEN EXTENDING REAR JACK, WATCH TO ENSURE YOU ARE CLEAR OF THE OVERHANGING ENDS OF THE MAST BEFORE YOU STAND UP.
  - THE SUPPLEMENTAL GROUND ROD IS A SAFETY DEVICE THAT MAY REDUCE THE CHANCE OF PERSONAL INJURY FROM STRAY ELECTRICAL CURRENT. Therefore, Allmand recommends using the ground rod. However, it is the user's responsibility to determine the requirements and/or applicability of local, state, or national electrical code which governs the use of the ground rod.
2. Attach the ground rod to the grounding lug, and drive the ground rod fully for adequate electrical ground, as required by local, state, or national code.
  3. Release the pin that secures the mast to the rear mast support.
  4. Operate the hand crank on the side of the trailer to raise the mast from horizontal to vertical.
  5. Turn black knob counterclockwise and engage latch in strike plate. Retighten black knob.
  6. Operate the hand crank winch on the tower clockwise to raise the lights vertically.
  7. To rotate the lights, release the black knob and turn the tower assembly with the handles provided.
  8. To turn on lights, flip the breaker switches to the up position. (SEE FIG. 1)



# MANUAL WINCH MAST OPERATION

---



## SAFETY WARNING

- IF THE TOWER CANNOT BE ROTATED AFTER LOOSENING THE BLACK KNOB, CHECK TO ASSURE THE LOWER LATCH IS ENGAGED IN THE STRIKE PLATE. THIS DOUBLE LATCH FEATURE PREVENTS THE TOWER FROM BEING ROTATED IF THE LATCH IS NOT ENGAGED.



## SAFETY WARNING

VISUALLY INSPECT EQUIPMENT FOR DAMAGE BEFORE OPERATING. ALLOW ADEQUATE CLEARANCE AROUND TRAILER FOR TOWER AND INSURE THAT NO PERSONS ARE STANDING IN FRONT OF OR BEHIND UNIT WHEN LOWERING.

## TO LOWER MAST AND LIGHTS

1. Turn off lights.
2. Release black knob and rotate tower until winch handle points to the front of the trailer and retighten knob.
3. Operate hand crank winch on tower counterclockwise to lower the lights to the lowest vertical position
4. Operate hand crank winch on side of trailer clockwise to take up any cable slack.
5. Turn the black knob counterclockwise and lift to release the latch from the strike plate. Retighten the knob with the latch disengaged from the strike plate.

6. Operate the hand crank on the side of the trailer counterclockwise to fold the mast down into the towing position.

**NOTE: Sufficient load (75 lb. min ) must be applied to the cable to overcome internal resistance and operate the brake properly. Insufficient load will not turn the reel thus continual turning without sufficient load will remove the winch handle from the shaft.**

7. Secure light cords into hook on the rear tower support for towing.
8. Secure pin locking mast to rear tower support.
9. Remove ground rod from earth. Disconnect wire from ground lug and secure in trailer
10. Raise jacks and rear stand, retract outriggers and secure for towing

**NOTE: Ensure the detent pins are properly engaged in the outriggers before towing.**

**NOTE: Visually inspect the flood light mounting yokes for loose hardware. This could prevent a broken fixture during towing.**

# STRONG ARM ELECTRIC WINCH MAST OPERATION

## DESCRIPTION OF OPERATION

The Allmand **MAXI-LITE** tower assembly consists of a three section telescoping mast which can be raised and extended by operating a single electric winch mounted inside the enclosure. A single three position toggle switch mounted on the control panel is used to raise and lower the mast. The winch and cable are protected by an integral clutch and a circuit breaker. The clutch is designed to slip when the mast reaches full extension. The circuit breaker is a safeguard for the clutch. If the clutch is misadjusted or inoperative the circuit breaker should trip to protect the system from overload. The electric winch operates off the 120 volt circuit breaker along with 120 volt receptacle thus requiring **that the 120 volt circuit breaker switch must be on to operate the winch.**

The three section mast assembly can be rotated from the ground by loosening a knob and rotating the entire assembly 360° to aim the lights as necessary.



### **SAFETY WARNING!**

- **ALWAYS CHECK FOR OVERHEAD OBSTRUCTIONS BEFORE RAISING AND LOWERING MAST. ALLOW 35' CLEARANCE. AVOID ALL OVERHEAD ELECTRICAL WIRES.**
- **TO PREVENT INSTABILITY AND HELP ENSURE SAFE OPERATION, ALWAYS PROVIDE PROPER GROUND SUPPORT BEFORE RAISING MAST.**

***NOTE: The latch locks the mast in the vertical position and disengages the sections allowing the tower assembly to be rotated to position the lights***

**BEFORE RAISING MAST, VISUALLY INSPECT EQUIPMENT FOR DAMAGE OR WEAR. FAMILIARIZE YOURSELF WITH THE LOCATION AND FUNCTION OF ALL OPERATING PARTS BY STUDYING THIS MANUAL. OBSERVE ALL CAUTION DECALS LOCATED ON EQUIPMENT**

## **TO ERECT MAST AND RAISE LIGHTS**

1. Extend both side outrigger jacks, rear jack and tongue jack to stabilize and level the trailer.

***NOTE: Jacks should be placed only on firm footing.***



### **SAFETY WARNING**

- **WHEN EXTENDING REAR JACK, WATCH TO ENSURE YOU ARE CLEAR OF THE OVERHANGING ENDS OF THE MAST BEFORE YOU STAND UP.**
  - **THE SUPPLEMENTAL GROUND ROD IS A SAFETY DEVICE THAT MAY REDUCE THE CHANCE OF PERSONAL INJURY FROM STRAY ELECTRICAL CURRENT. Therefore, Allmand recommends using the ground rod. However, it is the user's responsibility to determine the requirements and/or applicability of local, state, or national electrical code which governs the use of the ground rod.**
2. Attach the ground rod to the grounding lug, and drive the ground rod fully for adequate electrical ground, as required by local, state, or national code.
  3. Release the pin that secures the mast to the rear mast support.
  4. Operate the hand crank on the side of the trailer to raise the mast from horizontal to vertical.
  5. Turn black knob counterclockwise and engage latch in strike plate. Retighten black knob.
  6. Operate the hand crank winch on the tower clockwise to raise the lights vertically.
  7. To rotate the lights, release the black knob and turn the tower assembly with the handles provided.
  8. To turn on lights, flip the breaker switches to the up position. (SEE FIG. 1)

# STRONG ARM ELECTRIC WINCH MAST OPERATION

---



## SAFETY WARNING

- IF THE TOWER CANNOT BE ROTATED AFTER LOOSENING THE BLACK KNOB, CHECK TO ASSURE THE LOWER LATCH IS ENGAGED IN THE STRIKE PLATE. THIS DOUBLE LATCH FEATURE PREVENTS THE TOWER FROM BEING ROTATED IF THE LATCH IS NOT ENGAGED.



## SAFETY WARNING

VISUALLY INSPECT EQUIPMENT FOR DAMAGE BEFORE OPERATING. ALLOW ADEQUATE CLEARANCE AROUND TRAILER FOR TOWER AND INSURE THAT NO PERSONS ARE STANDING IN FRONT OF OR BEHIND UNIT WHEN LOWERING.

## TO LOWER MAST AND LIGHTS

1. Turn off lights.
2. Release black knob and rotate tower until winch handle points to the front of the trailer and retighten knob.
3. Operate hand crank winch on tower counterclockwise to lower the lights to the lowest vertical position
4. Operate hand crank winch on side of trailer clockwise to take up any cable slack.
5. Turn the black knob counterclockwise and lift to release the latch from the strike plate. Retighten the knob with the latch disengaged from the strike plate.

**NOTE: Visually inspect the flood light mounting yokes for loose hardware. This could prevent a broken fixture during towing.**

6. Operate the hand crank on the side of the trailer counterclockwise to fold the mast down into the towing position.

**NOTE: Sufficient load (75 lb. min ) must be applied to the cable to overcome internal resistance and operate the brake properly. Insufficient load will not turn the reel thus continual turning without sufficient load will remove the winch handle from the shaft.**

7. Secure light cords into hook on the rear tower support for towing.
8. Secure pin locking mast to rear tower support.
9. Remove ground rod from earth. Disconnect wire from ground lug and secure in trailer
10. Raise jacks and rear stand, retract outriggers and secure for towing

**NOTE: Ensure the detent pins are properly engaged in the outriggers before towing.**

# SPECIFICATIONS

**NOTE.** *In testing the Lister-Petter engine at the factory, the manufacturer uses an oil for moderate and low temperatures. This oil is specially formulated to assist in the break in period, and we would like it to be left in the engine for the first 100 hours. Additional information on fuel and lubrication specifications is found in the Lister Petter Industrial Engine Operators Handbook.*

<b>FUEL AND LUBRICATING OIL REQUIREMENTS</b>					
OIL VISCOSITY					FUEL
TEMPERATURE ON STARTING	TEMPERATURE ON		MONOGRADE	MULTIGRADE	USA SPECIFICATION ASTM D-975-77
	° C	° F			
BELOW	-15	5	5W	5W/20	#1 Diesel Fuel
BETWEEN AND	-15 4	5 39	10W	10W/30	#1 Diesel Fuel
BETWEEN AND	4 30	39 86	20/20W	15W/40	#1 Diesel Fuel
ABOVE	30	86	30	15W/40 20W/40	#1 Diesel Fuel
<i>See engine operator's handbook for further specifications.</i>					D-098

**See the KUBOTA 905 EBG1 or 1105 EBG1 Engine Operators Handbook or the PERKINS 103-10 Engine Operators Handbook for information on oil and fuel requirements.**

## TOWING INSTRUCTIONS

**Before towing the MAXI-LITE the trailer should be inspected visually to insure that the following operations have been completed.**

1. Hitch is securely attached to towing vehicle (safety chain secure).
2. All outriggers and jacks are retracted and secured.
3. Tower is lowered and the rear tower support pin is in place.
4. Light fixtures are positioned for transport.
5. Doors are closed and secured.
6. Check for adequate tire pressure.
7. Taillights are connected and operating (if equipped).
8. Ground rod is removed from ground and secured in the trailer

## GROUND ROD INSTRUCTIONS

1. Remove ground rod stowed aside the left door (attached to the lower frame)
2. Unroll the electrical wire lead from the ground rod.
3. Attach the ground rod lead to the grounding lug located near the ballast compartment.
4. Drive the ground rod a minimum of 2 1/2 FT into the earth for adequate electrical grounding. If this is not possible consult your local qualified electrician.
5. **AFTER SHUTDOWN OF ENGINE:** Remove the ground rod from the earth, remove lead from the trailer ground lug and store ground rod inside left door.

# SPECIFICATIONS

## BEFORE STARTING

1. Fill the engine with the right grade of lubricating oil (see pg. 19) and to correct level (check dipstick).
2. Ensure there is an adequate supply of fuel.
3. Ensure **that the air cleaner is firmly attached**, the air canister seals and the hose clamps are properly sealed. Air cleaner element should be checked and replaced if necessary.
4. Install the ground rod.

## DESCRIPTION OF OPERATION

By depressing the start assist switch, the fuel solenoid is energized. The solenoid plunger is drawn into the coil and activates the fuel control linkage to RUN position. When the engine starts, adequate engine oil pressure at the oil pressure switch will maintain the solenoid in the energized position. The start assist switch can be released as soon as the engine starts. A 10A inline fuse protects the solenoid from electrical damage.

## LOW OIL PRESSURE SHUTOFF SYSTEM

Should a low oil pressure condition occur (less than 5 PSI), the pressure sending unit breaks the circuit between the battery and the fuel solenoid, allowing the spring load to immediately move the fuel control to the shutoff position.

## HIGH COOLANT TEMPERATURE SHUTOFF SYSTEM

Should a high coolant temperature condition occur, the temperature sending unit breaks the circuit between the battery and the fuel solenoid, allowing the spring load to immediately move the fuel control to the shutoff position.

## STARTING/STOPPING INSTRUCTIONS

### STARTING THE LISTER PETER ENGINE

**NOTE:** LPW-3 Lister includes a glow plug and cold start system controlled by the start assist switch on the control panel. This switch also activates the fuel solenoid for quick starts. Use the switch routinely during engine starts.

1. Turn ON/OFF toggle switch to the up (ON) position.
2. Depress preheat, start-assist switch engaging the fuel solenoid and powering the glow plug. Hold in until step 3 (next column) has been completed

**NOTE:** At temperatures below 30 F. depress the preheat switch for approximately one minute before going on to step 3.

3. Depress start switch until the engine fires. Release start assist switch and start switch as soon as the engine starts.

**NOTE:** To prevent equipment damage, do not hold start switch in for more than 10 seconds. Allow cool down time between cranking intervals.

### STOPPING THE LISTER PETER ENGINE

1. Turn ON/OFF toggle switch to the down (OFF) position.

### STARTING THE KUBOTA AND PERKINS ENGINES

**NOTE:** The Kubota and the Perkins engines includes a glow plug cold start system controlled by the ignition switch on the control panel. Glow plugs are not needed on a warm engine or if the ambient temperature is above 50 F. Do not use starting fluid or ether.

1. Turn the ignition switch to the **PREHEAT** position and hold until the glow plug lamp goes out.
2. Turn the ignition switch to the Start position until the engine starts. Release key as soon as the engine starts.
3. If engine fails to start it may be necessary to cycle the glow plugs again.

**NOTE:** To prevent equipment damage, **DO NOT hold ignition switch for more than 10 seconds in the start position. If the engine does not start in 10 seconds, wait 30 seconds and try the start sequence again. Do not run the cell motor for more than 20 seconds continuously. Limit engine cranking to 3 attempts with a 2 minute cool-down between each. After 3 attempts allow to cool to ambient temperature.**

### STOPPING THE KUBOTA AND PERKINS ENGINES

1. Turn the ignition switch to the OFF position. This breaks the circuit between the battery and the fuel solenoid, allowing the spring load to immediately move the fuel control to the shutoff position.
2. Disconnect the ground rod.

# MODEL AND SERIAL NUMBERING SYSTEM

---

## SERIAL NUMBER LOCATION

**Trailer:** All MAXI-LITE models have a serial number plate located just below the rear tower support on the rear panel.

**Generator:** Plate attached to the side of the generator housing.

**Engine:** Plate attached to the engine.

**LPW – 3** Top of intake manifold.

**KUBOTA D905-BG and D1105-BG**

Left side, between  
manifold and starter.

**ISUZU 3LB1 and PERKINS 103-10:**

Upper right front corner behind injector  
pump

## DESCRIPTION OF MODELS AND OPTIONS

The **MAXI-LITE** light tower uses four 1000 Watt Metal Halide lamps with the exclusive Allmand SHO lighting system to produce a total of 334,204 lumens (83,551 lumens per fixture). Optional reflective visors and 6-light units are available. The lights are mounted on either a manual winch or electric winch tower. The manual tower is operated by two hand crank winches. One winch, mounted on the trailer frame, erects the mast from the horizontal towing position to vertical. The second winch, mounted on the tower, extends the mast vertically to the desired height. The second tower is operated by a 120V electric winch located inside the trailer housing. The electric winch erects the mast from horizontal to vertical and by releasing a lock handle extends the mast vertically to the desired height. The tower power cords are available as either straight cord or a cord reel. Inside fixture storage is offered for the 4-light option.

The heavy duty trailer shell has 12 gauge doors and roof panels. The shell houses the 15" wheels and tires inside the side panels. The front panels are rust proof ABS plastic. The **MAXI-LITE** light tower is powered by either a Lister Petter LPW-3 16.5 hp water cooled engine, one of two Kubota water cooled engines, 10.5 hp or 13.6 hp., or an Isuzu water cooled 16 hp diesel engine. Each engine mounts to either the 6KW or 8KW generator. The trailer houses a 50 gallon poly fuel tank and an optional sound attenuation package.

# SPECIFICATIONS

## ELECTRICAL

Hard wired electrical circuits  
Easily serviceable componentized ballast assemblies.  
Ground rod.  
Hour meter.  
Voltmeter (optional)  
External 120V and 240V outlets (optional).

## FLOOD LIGHT ASSEMBLY

Four or six 1000 watt lamp fixtures sealed for all weather use. Lamps can be either the SHO 1000 fixture, 1250 watt fixture or PowerLite fixture.

**SHO 1000 FIXTURE** - BT-37 lamp, Metal Halide, Laboratory rated life is 10,000 hours.

Lumen rating: 110,000  
Warm-up time: 2-4 minutes  
Restart time: 10-15 minutes

**POWERLITE FIXTURE** = BT=56 1000 watt Multi-Vapor lamp, Metal Halide, Laboratory rated life is 12,000 hours.

Lumen rating: 110,000  
Warm-up time: 2-4 minutes  
Restart time: 10-15 minutes

**POWERLITE FIXTURE** - E-25 1000 watt High Pressure Sodium lamp (often referred to as H.P.S), Laboratory rated life is 24,000 hours.

Lumen rating: 140,000  
Warm-up time: 4-6 minutes  
Restart time: 1 minute

**NOTE:** A trailer equipped with Metal Halide lights and a trailer equipped with High Pressure Sodium lights use different ballasts and starters. Therefore, it is not advisable to interchange bulb types.

## MAST

Three-section steel tube mast, which extends to 30 feet. The mast is extended with either two manual winches or one Dutton-Lainson electric winch. The assembly includes self-lubricating nylon guide rollers and 360° rotating light bar.

## TRAILER

The complete generator is housed in a lockable enclosure with the frame fabricated from heavy gauge steel mounted on a two-wheel, leaf spring axle.

The design enables the trailer to contain the outriggers in a simple compact position.

When the mast is in the operating position it is located in the middle of a four point outrigger system for optimum balance and stability. This system was engineered to allow the light plant to remain operational in sustained winds of 65 MPH with the mast extended to full height and the outriggers in position.

The design includes an adjustable-height reversible hitch, which includes a 2" ball and pintle hook hitch.

## STABILIZERS

Four (4) point outrigger design. with tower center mounted between two (2) retractable side outriggers, tongue and rear jack.

# SPECIFICATIONS

---

## MAXI-LITE DIMENSIONS

Height lowered:	6'6" (1.98 m)
Height extended:	30' (9.14 m)
Length:	14'9" (4.49 m)
Width:	6'4" (1.92 m)
Outrigger width:	11'6" (3.5 m)
Trailer:	Structural steel frame Leaf spring axle
Wheels & tires:	15"

## FUEL AND LUBRICATING OIL

The temperatures mentioned in the table are the ambient temperatures at the time the engine is started.

However, if the running ambient temperatures are much higher than the starting temperatures, a compromise must be made and a higher viscosity oil used (provided starting is satisfactory). Multigrade oils overcome the problem, provided they have a suitable specification.

## DOMESTIC SHIPPING WEIGHT

Fixtures:	15 lbs. ea. = 60 lbs.
Trailer with mast:	1,990 lbs. (902.7 kg)
Total weight:	2,050 lbs. (929.9 kg)



# SPECIFICATIONS

## LPW-3 ENGINE

LISTER LPW-3 Alpha Series, direct injection 3 Cylinder

Displacement:	85.13 cu. (1396.13 cc)
Bore:	3.38 in. (8.6 cm)
Stroke:	3.15 in.(8.0 cm)
Power output:	16.5 BHP continuous
Power output derating:	3.5% for every 1000 ft altitude (305 m) above sea level
Air inlet temp:	2% per 10°F (5.6C) above 85° F(29.4C)
Fuel:	Diesel
Fuel consumption:	1.25 ga (4.7L/hr) at less than 75%load
Oil sump capacity (excluding filter):	4.0 US qt. (3.8L)
Starting:	12 volt electric

**Low oil pressure shutdown, high engine temp. shutdown, and glow plug cold start assist are standard.**

## KUBOTA D 1105-EBG1 ENGINE

Kubota D1105-EBG1, indirect injection 3 Cylinder

Displacement:	68.53 cu. (1.1 cm)
Bore:	3.07 in. (78 mm)
Stroke:	3.09 in. (78.4 mm)
Power output:	13.6 @ 1800 rpm
Power output derating:	3.0% for every1000 ft. altitude (305 m) above 360 ft.
Ambient temp:	1% per 10°F (5.6°C) above 77°F (25°C)
Fuel:	Diesel
Fuel consumption:	.63 gal (2.39 L)/hr
Starting:	Glow plugs needed below 45 F. 12V electric
Oil sump capacity (excluding filter):	5.4 US qt. (5.14 L)

**Low oil pressure shutdown, high engine temp. shutdown, and glow plug cold start assist are standard.**

## KUBOTA D905-EBG1 ENGINE

Kubota D905-EBG1, indirect injection 3 Cylinder

Displacement:	54.80 cu. in.(898 cm)
Bore:	2.83 in. (72 mm)
Stroke:	2.90 in. (73.6 mm)
Power output:	10.5 BHP@ 1800 rpm
Power output derating:	3.0% for every1000 ft. altitude (305 m) above sea level
Ambient temp:	1% per 10° F (5.6°C) above 77°F (25°C)
Fuel:	Diesel
Fuel consumption:	0.63 US gal (2.39 L/hr)
Starting:	Glow plugs needed below 45' F. 12V electric
Oil sump capacity (excluding filter)	5.40 US qt. (5.14L)

**Low oil pressure shutdown, high engine temp. shutdown, and glow plug cold start assist are standard.**

## PERKINS 103.10 ENGINE

Perkins 103.10, Indirect injection 3 Cylinder

Displacement:	58.3 cu. in. (954 cc)
Bore:	75 mm
Stroke:	72 mm
Power output:	10.7 BHP@ 1800 RPM
Power output derating:	3.5% for every 1000 ft altitude (305 m) above sea level
Air Inlet Temp:	1% per 10°F (5.6C) above 77° F (25°C)
Fuel:	Diesel
Oil sump capacity:	Fill to correct level
Starting:	12 volt electric

**Low oil pressure shutdown, high engine temp. shutdown, and glow plug cold start assist are standard.**

# CONTROLS AND COMPONENTS

**NOTE:** COMPONENTS SHOWN ARE STANDARD. PICTURES MAY VARY WITH DIFFERENT OPTIONS.



FIGURE 1

FIGURE 2

FIG. 1. A.C. CONTROL PANEL

1. Switch, Circuit Breaker (Lights 1 through 4)
2. Switch, Circuit Breaker (240V Receptacle)
3. Switch, Circuit Breaker (120V Receptacles)



## SAFETY WARNING

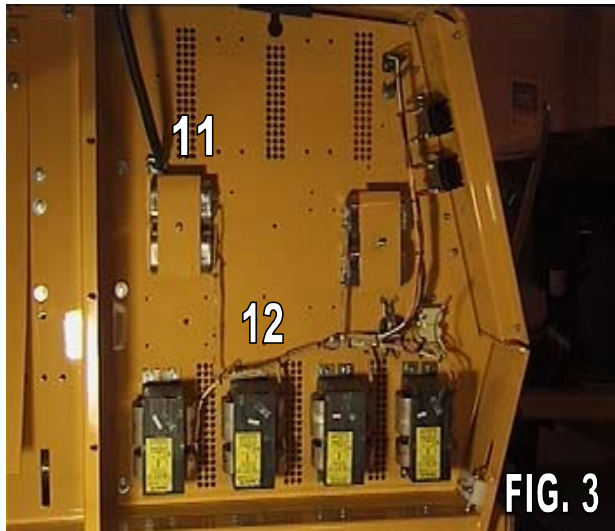
**FAILURE TO UNDERSTAND AND COMPLY WITH SAFETY RELATED INFORMATION AND INSTRUCTIONS MAY RESULT IN INJURY TO THE OPERATOR OR OTHERS. IF YOU DO NOT UNDERSTAND ANY PART OF THIS CONTACT YOUR DEALER FOR CLARIFICATION PRIOR TO OPERATING EQUIPMENT.**

FIG. 2. D.C. CONTROL PANEL

4. Voltmeter (optional)  
Indicates charging circuit voltage
5. Hour Meter  
Shows total elapsed hours of engine operation.
6. Momentary Contact Switch (Electric Winch Model)  
Lift up to raise and extend the tower.  
Press down to lower and fold the tower.
7. Ignition ON/OFF Switch
8. Start Assist Switch  
Push to activate fuel solenoid and glow plug prior to and while depressing start switch.
9. Start Switch  
Push to start.
10. 1.5 AMP Circuit Breaker (Electric Winch Model)

# CONTROLS AND COMPONENTS

**NOTE:** COMPONENTS SHOWN ARE STANDARD. PICTURES MAY VARY WITH DIFFERENT OPTIONS.



**FIG. 3 BALLAST PANEL**

- 11. Ballast, Capacitors 1 through 4
- 12. Ballast, Transformers 1 through 4



**FIG. 4 CONVENIENCE PANEL**

- 13. 120 Volt/ 15 Amp Outlet Receptacles (Ground fault)
- 14. 240 Volt/ 15 Amp D.C. Outlet Receptacle
- 15. Power Cord Access Hole



## SAFETY WARNING

**FAILURE TO UNDERSTAND AND COMPLY WITH SAFETY RELATED INFORMATION AND INSTRUCTIONS MAY RESULT IN INJURY TO THE OPERATOR OR OTHERS. IF YOU DO NOT UNDERSTAND ANY PART OF THIS CONTACT YOUR DEALER FOR CLARIFICATION PRIOR TO OPERATING EQUIPMENT**

# CONTROLS AND COMPONENTS

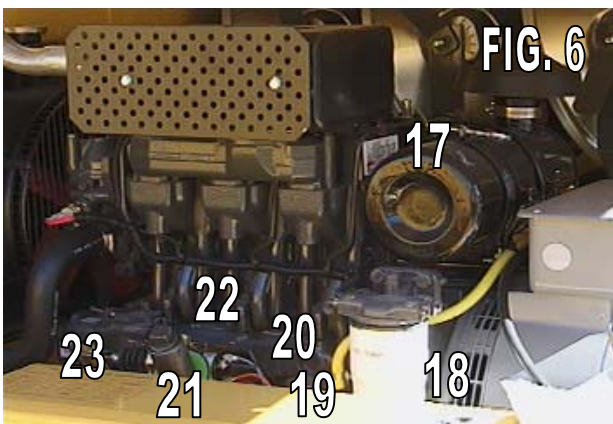
**NOTE:** COMPONENTS SHOWN ARE STANDARD. PICTURES MAY VARY WITH DIFFERENT OPTIONS.



**FIG. 5 GROUND ROD**

16. Ground Rod

**Ground rod** should be attached to grounding lug with wire provided and ground rod and then driven fully into the earth for adequate electrical ground, as required by local, state, or national electrical code.



**FIG. 6 ENGINE (Left Side)**

17. Air Cleaner

18. Fuel Filter

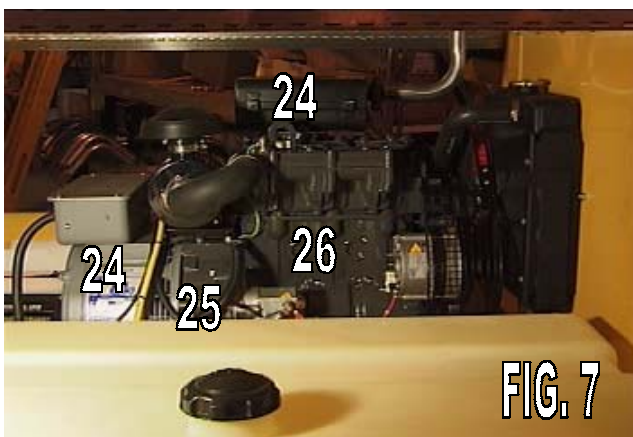
19. Fuel Lift Pump

20. Fuse (10 Amp)

21. Oil fill

22. Stop Solenoid

23. Oil Filter



**FIG. 7 ENGINE (Right Side)**

24. Fuel Return Line

25. Fuel Suction Line

26. Starter

27. Glow Plug

# CONTROLS AND COMPONENTS

**NOTE:** COMPONENTS SHOWN ARE STANDARD. PICTURES MAY VARY WITH DIFFERENT OPTIONS.



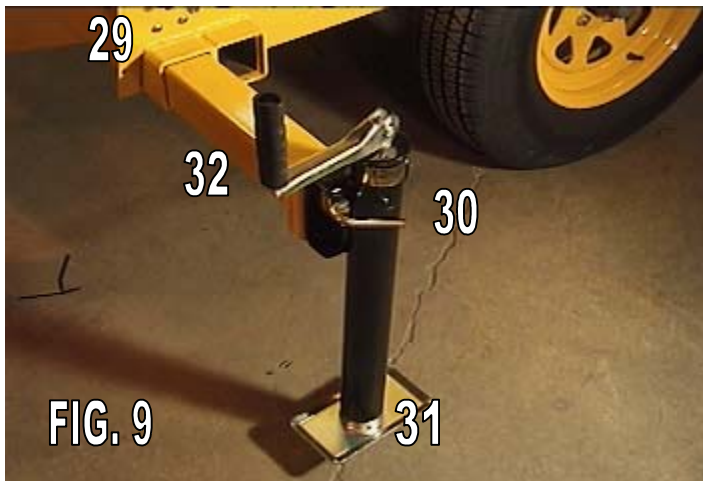
**FIG. 8 REAR JACK**

28. RearJack



## SAFETY WARNING

**WHEN EXTENDING REAR JACK,  
WATCH TO INSURE YOU ARE  
CLEAR OF THE OVERHANGING  
ENDS OF THE MAST BEFORE**



**FIG. 9 OUTRIGGER JACK**

29. Pin--Retains outrigger in retracted position for towing

30. Jack Pin--Pull to allow jack to rotate

31. Outrigger Jack

32 Jack Handle--Crank handle to raise and lower foot of jack to level trailer.



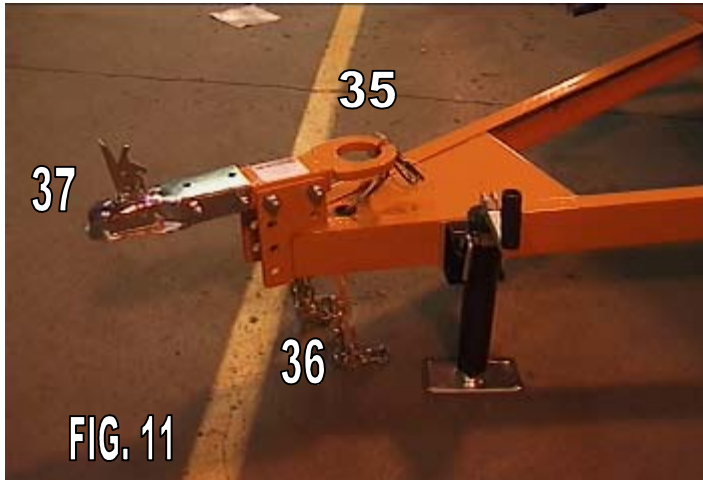
**FIG. 10 REAR TOWER SUPPORT**

33. Pin—Locks tower into rear tower support

34. Rear Tower Support

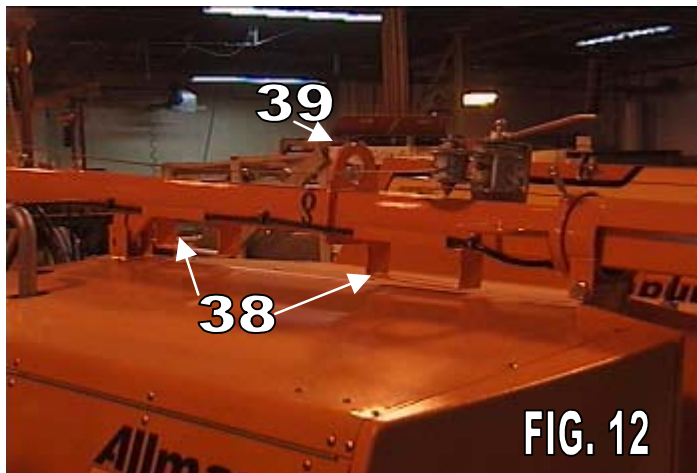
# CONTROLS AND COMPONENTS

**NOTE:** COMPONENTS SHOWN ARE STANDARD. PICTURES MAY VARY WITH DIFFERENT OPTIONS.



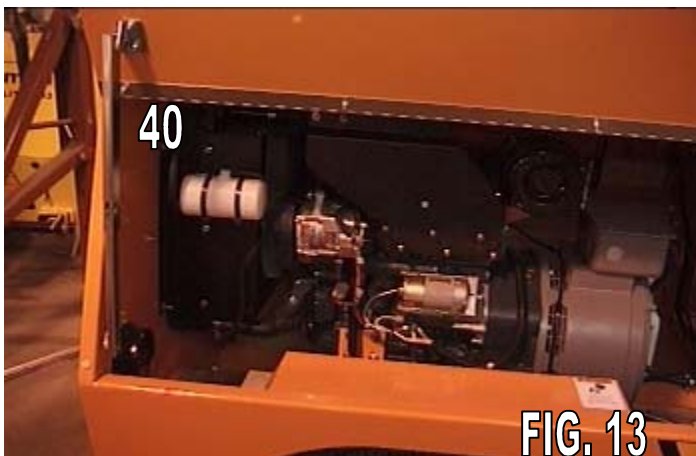
**FIG. 11 TONGUE ASSEMBLY**

- 35. Taillight Wiring Harness
- 36. Safety Tow Chains
- 37. Reversible Hitch (2" Ball and Pintle Hitch)



**FIG. 12 FORKLIFT POCKETS**

- 38. Forklift Pockets
- 39. Lifting Eye

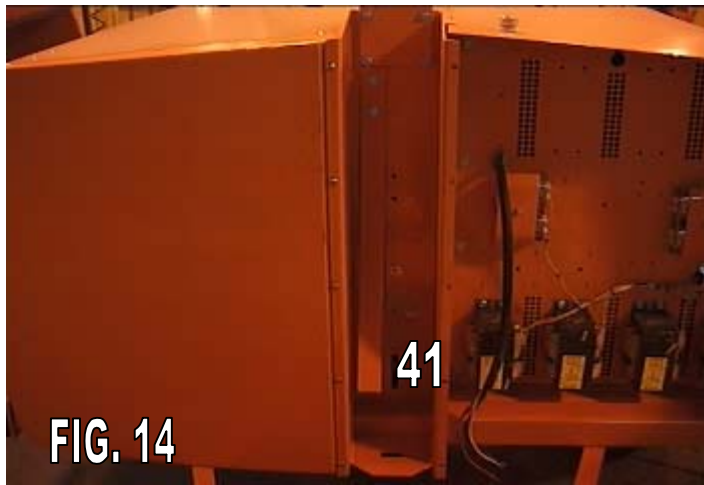


**FIG. 13 DOOR PROP**

- 40. Door Prop—Locks Door Panel in Open Position

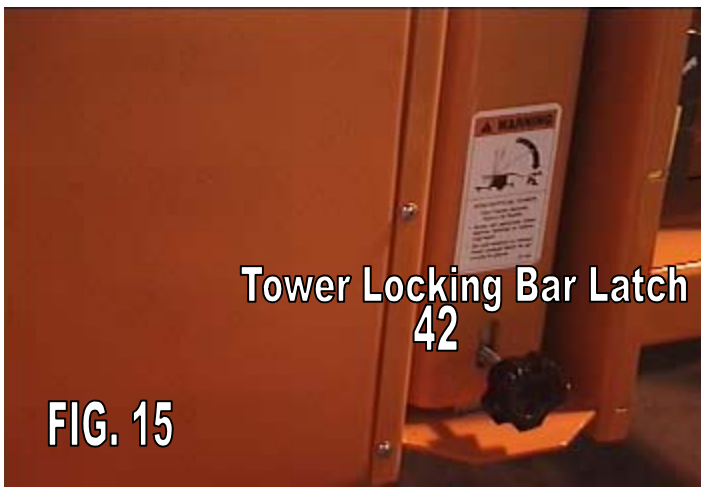
# CONTROLS AND COMPONENTS

**NOTE:** COMPONENTS SHOWN ARE STANDARD. PICTURES MAY VARY WITH DIFFERENT OPTIONS.



**FIG. 14 KICKOUT SPRING**

41. Kickout Spring—*Tilts mast off center when folding mast down*



**FIG. 15 TOWER LOCKING BAR LATCH**

42. Mast Locking Bar Latch --*Locks mast in vertical position and allows tower to rotate.*

**NOTE:** *Tower must be positioned with the two black triangles on the tower assembly, near the mast handles, pointing at each other. Then the locking bar can be released from the strike plate allowing the tower to rotate toward horizontal towing position.*

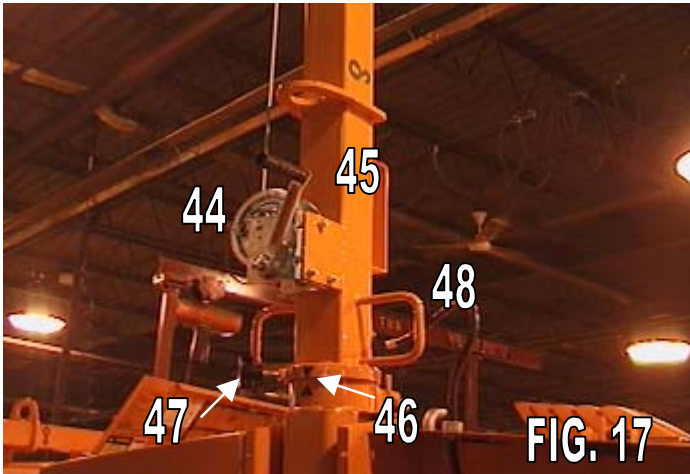


**FIG. 16 MANUAL WINCH HANDLE**

43. Winch Handle--*Use to raise and fold mast.*

# CONTROLS AND COMPONENTS

**NOTE:** COMPONENTS SHOWN ARE STANDARD. PICTURES MAY VARY WITH DIFFERENT OPTIONS.



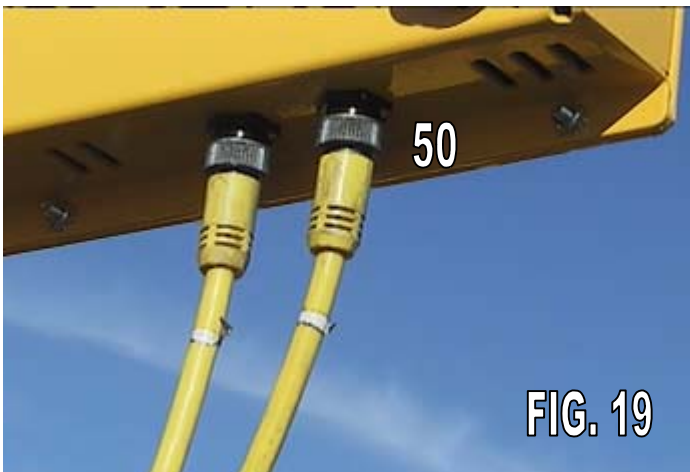
**FIG. 17 TOWER CONTROLS**

- 44. Manual Winch —*Use to extend and lower mast..*
- 45. Tower Winch Handle
- 46. Alignment Arrows—*Must be aligned to unlock the tower.*
- 47. Lock Knob—*Locks tower in position.*
- 48. Mast Handles—*Use to rotate tower and lights.*



**FIG. 18 Cord Reel**

- 49. Cord reel —*Available on either Electric or Manual winch models*



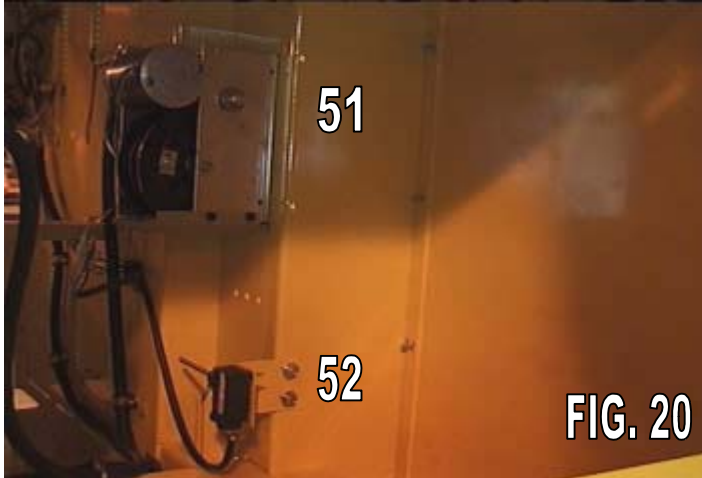
**FIG. 19 Cord Reel**

- 50. Lamp Connector Lead—*For quick connecting/disconnecting of the lamp fixtures*



# CONTROLS AND COMPONENTS

**NOTE:** COMPONENTS SHOWN ARE STANDARD. PICTURES MAY VARY WITH DIFFERENT OPTIONS.



**FIG. 20 Electric Winch**

- 51. Dutton-Lainson Strong Arm Winch—Used to raise and extend, lower and fold mast.
- 52. Slack Limit Switch—Shuts off winch when cable slack is sensed by sensor arm.

**NOTE:** See pages 10-11, Strong Arm Electric Winch Mast Operation, for correct operating procedures.



**FIG. 21 Electric Mast**

- 53. Mast Handle—Use to rotate mast.
- 54. Lock Handle—Pull to unlock tower sections when raising tower.
- 55. Lock Pin—Prevents accidental release of lock when rotating mast.

# ROUTINE MAINTENANCE SCHEDULE

## LISTER-PETTER LPW-3 INSPECTION AND LUBRICATION SCHEDULE

Check condition of the steel cable and make sure it is properly secured. Check hydraulic fluid level.

Lubrication grease specifications: N.G.L.I. consistency #2, high temperature anti-friction bearing lubricating grease.

Service intervals shown below have been established for operation under normal conditions. Where equipment is operated under severe conditions (very dusty, extreme heat or cold, etc.) affected items should be serviced more frequently.

INTERVAL	ITEM	PROCEDURE
Daily or 10 Hr.	Fuel level	Check and fill as necessary.
	Lubricating oil	Check level and condition.
	Air Cleaner	Clean under very dusty conditions.
125 Hr.	All 10 Hr. items	As above
	Air Cleaner	Change element if necessary or clean under moderately dusty conditions.
	Battery	Check level of electrolyte.
	Engine Generator assembly	Check for fuel and lubricating oil leaks.
250 Hr.	All 125 Hr. items	As above
	Engine lubricating oil system	Drain lubricating oil, flush out system, renew filter element and refill with correct grade and type oil.
	Fuel Injector Nozzles	Clean if the exhaust is dirty
	Fuel Filter	Renew filter element if fuel not perfectly clean.
500 Hr.	All 250 Hr. Items	As above
	Fuel Filter	Renew filter element.
1000 hr. or yearly	All 500 Hr. Items	As above
	Engine Service	Decarbonize if the engine shows loss of compression or blow-by past the piston. Do not disturb otherwise.
	Engine Valves	Adjust clearance.
	Engine Service	Clean the cylinder and cylinder head finning under dusty conditions if necessary.
	Cable pulley at the bottom of the front mast support	Remove, clean, and grease.
	Cable pulleys on mast	Inspect for wear. Clean and lubricate.
	Axle wheel bearings	Clean and repack.
	Fuel System	Clean sediment from tank.



# TROUBLESHOOTING



## SAFETY WARNING

### DANGER!

**HIGH VOLTAGE!** DO NOT ATTEMPT TO TEST AND REPAIR GENERATOR AND BALLAST ELECTRICAL SYSTEMS UNLESS YOU UNDERSTAND AND ARE QUALIFIED TO WORK ON SUCH SYSTEMS.

When one lamp does not light, **TURN OFF THE GENERATOR** and test the lamp by switching leads with a lamp that **DOES** light. **DO NOT WEAR JEWELRY WHILE WORKING WITH ELECTRICITY!** If the following procedures do not solve your problem, have the circuit tested by a licensed electrician. **DO NOT** attempt to test generator voltage or ballast electrical systems unless you are a qualified electrician. Consult the factory for voltage specifications and test procedures

PROBLEM	POSSIBLE CAUSE
ONE OR MORE LIGHTS DO NOT LIGHT UP.	1. Circuit breakers in the outlet box are not turned on or have tripped.
	2. Lamps are not allowed time to cool after last being lit. You must allow 15 minutes between the time the lights are shut off and the time they are restarted.
	3. The lam or lamps are burned out or broken.
	4. One or more of the lamps are not screwed in securely.
	5. Plug and socket at light bar not securely pushed together and locked.
	6. The temperature of the ballast is below –20 degrees F. the efficiency of the capacitors in the ballast is not enough to ignite the lamps. For operations where the temperatures of the ballasts falls below –20 degrees F. some means of warming the ballast must be used.
	7. Low electrical system voltage.
	8. A loose connection in the back of the lamp socket in the lamp holder.
	9. A circuit breaker or breakers are defective.
	10. A loose connection on the terminal board.
	11. The engine and generator are not running up to speed (1800 RPM)
	12. A wrong style replacement lamp (requiring a different ballast) has been installed.
	13. Too much power is being drawn from the auxiliary outlets.
	14. Capacitor or transformer have failed.
	15. Corrosion has occurred on the lamp bases.

# **Allmand™**

## **MAXI-LITE**

### **ML 6/ML 8**

### **PARTS MANUAL**

**ALLMAND BROS. INC**  
**P.O. BOX 888**  
**HOLDREGE, NE 68949**

**PHONE: 308/995-4495, 1-800/562-1373**  
**ALLMAND FAX: 308/995-5887**  
**ALLMAND PARTS FAX: 308/995-4883**

**Allmand™** **MAXI-LITE SERIES**

**For Parts and Updates visit Allmand on the Web at [www.allmand.com](http://www.allmand.com)**

# TABLE OF CONTENTS (PARTS AND ACCESSORIES)

---

SHO 1000 METALLIC VAPOR LAMP	A-1A
SHO 1000 METALLIC VAPOR LAMP PARTS LIST	A-1B
MANUAL WINCH TOWER ASSEMBLY	B-1A
MANUAL WINCH TOWER PARTS LIST	B-1B
MANUAL WINCH TOWER CABLE ROUTING	B-2A
MANUAL WINCH TOWER CABLE ROUTING PARTS LIST	B-2B
ELECTRIC WINCH STRAIGHT CORD TOWER ASSEMBLY	B-3A
ELECTRIC WINCH STRAIGHT CORD TOWER ASSEMBLY PARTS LIST	B-3B
ELECTRIC WINCH STRAIGHT CORD TOWER CABLE ROUTING	B-4A
ELECTRIC WINCH STRAIGHT CORD TOWER CABLE ROUTING PARTS LIST	B-4B
4 LIGHT LIGHT BAR ASSEMBLY	B-5A
4 LIGHT LIGHT BAR PARTS LIST	B-5B
6 LIGHT LIGHT BAR ASSEMBLY	B-6A
6 LIGHT LIGHT BAR PARTS LIST	B-6B
TRAILER ASSEMBLY (AXLE, HITCH, TONGUE JACK)	C-1A
TRAILER ASSEMBLY (AXLE, HITCH, TONGUE JACK) PARTS LIST	C-1B
TRAILER ASSEMBLY (TAILLIGHTS, DOOR PROPS, AND OUTRIGGER LOCKS)	C-2A
TRAILER ASSEMBLY (TAILLIGHTS, DOOR PROPS, AND OUTRIGGER LOCKS) PARTS LIST	C-2B
TRAILER ASSEMBLY (BATTERY, CABLES, AND GROUND STRAP)	C-3A
TRAILER ASSEMBLY (BATTERY, CABLES, AND GROUND STRAP) PARTS LIST	C-3B
KUBOTA/PERKINS ENGINE/GENERATOR SET	C-4A
KUBOTA/PERKINS ENGINE/GENERATOR SET PARTS LIST	C-4B
KUBOTA/PERKINS ENGINE/GENERATOR SET	C-4A CONT
KUBOTA/PERKINS ENGINE/GENERATOR SET PARTS LIST	C-4B CONT
KUBOTA RADIATOR AND MOUNTING PLATE	C-5A
KUBOTA RADIATOR AND MOUNTING PLATE PARTS LIST	C-5B
4-LIGHT BALLAST ASSEMBLY	C-6A
4-LIGHT BALLAST ASSEMBLY PARTS LIST	C-6B
4-LIGHT AC GAUGE PANEL ASSEMBLY	C-7A
4-LIGHT AC GAUGE PANEL ASSEMBLY PARTS	C-7B
4-LIGHT AC GAUGE PANEL AND LSC 100 CONTROLLER PANEL ASSEMBLY	C-7C
4-LIGHT AC GAUGE PANEL AND LSC 100 CONTROLLER PANEL ASSEMBLY PARTS	C-7D
4-LIGHT AC LOMBARDINI GAUGE PANEL ASSEMBLY	C-7E
4-LIGHT AC LOMBARDINI GAUGE PANEL ASSEMBLY PARTS	C-7F
MANUAL WINCH, WINCH HANDLE AND TOWER SUPPORT ASSEMBLY	C-8A
MANUAL WINCH, WINCH HANDLE AND TOWER SUPPORT ASSEMBLY PARTS LIST	C-8B
ELECTRIC WINCH, SLACK LIMIT SWITCH AND TOWER SUPPORT ASSEMBLY	C-8C
ELECTRIC WINCH, SLACK LIMIT SWITCH AND TOWER SUPPORT ASSEMBLY PARTS LIST	C-8D
FUEL TANK ASSEMBLY	C-9A
FUEL TANK ASSEMBLY PARTS LIST	C-9B

# TABLE OF CONTENTS (PARTS AND ACCESSORIES)

---

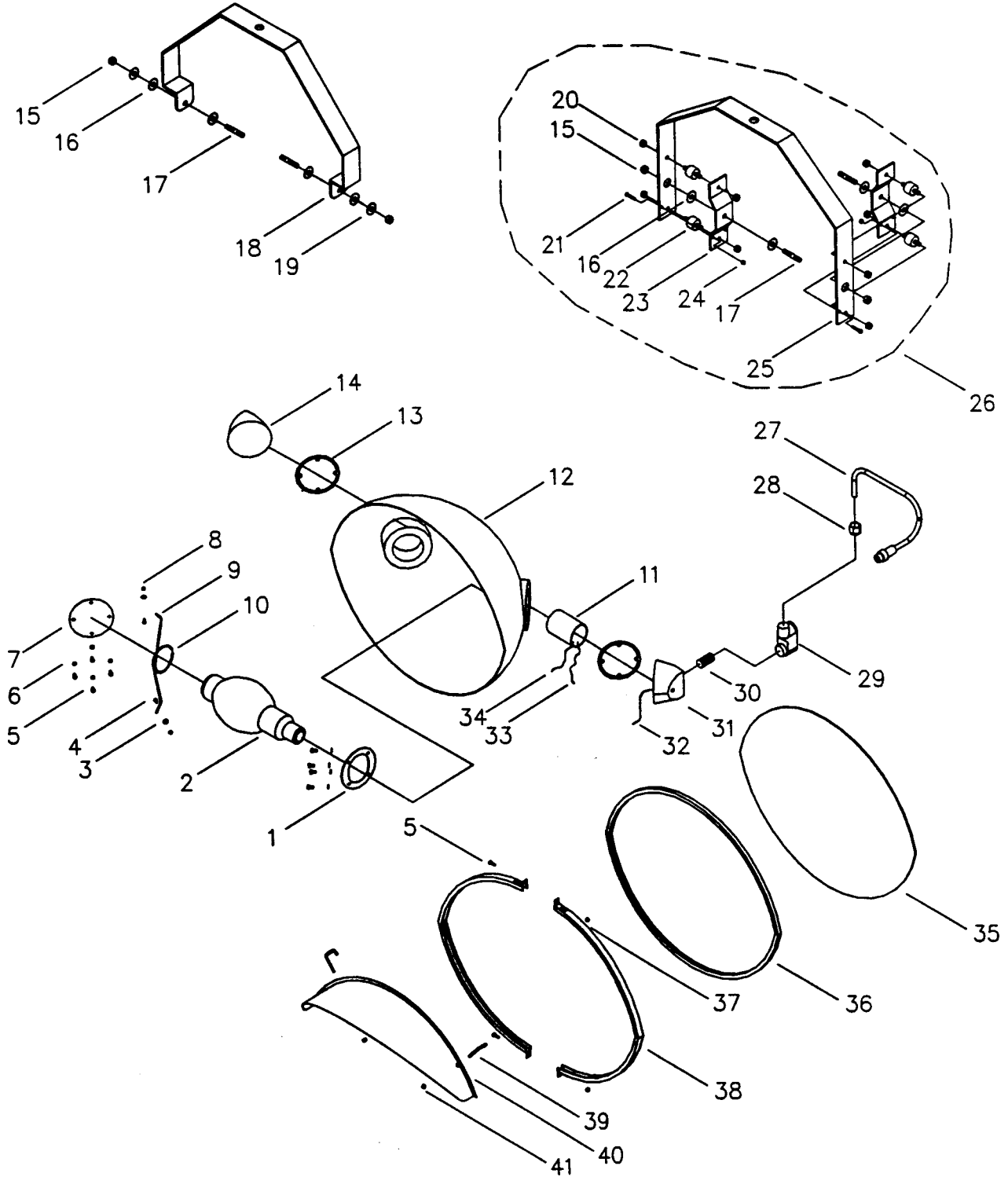
RIGHT QUARTER PANEL ASSEMBLY	C-10A
RIGHT QUARTER PANEL ASSEMBLY PARTS LIST	C-10B
KUBOTA/PERKINS ENGINE DC GAUGE PANEL ASSEMBLY	C-11A
KUBOTA/PERKINS ENGINE DC GAUGE PANEL ASSEMBLY PARTS LIST	C-11B
ROOF PANEL AND REAR TOWER SUPPORT ASSEMBLY	C-12A
ROOF PANEL AND REAR TOWER SUPPORT ASSEMBLY PARTS LIST	C-12B
RIGHT AND LEFT DOOR PANEL ASSEMBLY	C-13A
RIGHT AND LEFT DOOR PANEL ASSEMBLY PARTS LIST	C-13B
RIGHT AND LEFT SLAM LATCH DOOR PANEL ASSEMBLY	C-13A2-3
RIGHT AND LEFT SLAM LATCH DOOR PANEL ASSEMBLY PARTS LIST	C-13B2-3
GAS SHOCK DOOR PROP ASSEMBLY	C-13C
GAS DOOR PROP ASSEMBLY PARTS LIST	C-13B
PLASTIC FRONT PANEL ASSEMBLY	C-14A
PLASTIC FRONT PANEL ASSEMBLY PARTS LIST	C-14B
OUTRIGGERS AND REAR JACK MOUNT ASSEMBLY	C-15A
OUTRIGGERS AND REAR JACK MOUNT ASSEMBLY PARTS LIST	C-15B
DECAL PLACEMENT 1	D-1A
DECAL PLACEMENT 1 PARTS LIST	D-1B
DECAL PLACEMENT 2	D-2A
DECAL PLACEMENT 2 PARTS LIST	D-2B
DECAL PLACEMENT 3	D-3A
DECAL PLACEMENT 3 PARTS LIST	D-3B
DECAL PLACEMENT 4	D-4A
DECAL PLACEMENT 4 PARTS	D-4 B
DECAL PLACEMENT 5	D-5A
DECAL PLACEMENT 5 PARTS LIST	D-5B
KUBOTA ENGINE	E-1A
KUBOTA ENGINE PARTS LIST	E-1B
PERKINS ENGINE	E-2A
PERKINS ENGINE PARTS LIST	E-2B
ELECTRICAL DIAGRAM (KUBOTA ENGINE/GENERATOR SET)	F-1A
ELECTRICAL DIAGRAM (PERKINS ENGINE/GENERATOR SET)	F-1B
ELECTRICAL DIAGRAM (BALLAST ASSEMBLY, 4-LIGHT)	F-2A
ELECTRICAL DIAGRAM (LAMP SOCKET/BALLAST COMPARTMENT WIRING, 4-LIGHT)	F-3A
ELECTRICAL DIAGRAM (TAILLIGHT WIRING HARNESS)	F-3B
ELECTRICAL DIAGRAM (MARATHON GENERATOR ELECTRICAL BOX WIRING)	F-3B
DUTTON-LAINSON STRONG ARM ELECRTRIC WINCH SCHEMATIC	F-4A

# MAXI-LITE SERIES

## SHO 1000 METALLIC VAPOR LAMP

## SHO 1000 HIGH PRESSURE SODIUM LAMP

A-1A





# MAXI-LITE SERIES

## SHO 1000 METALLIC VAPOR LAMP

### SHO 1000 HIGH PRESSURE SODIUM LAMP

A-1B

NO	REQ'D	PART NO	DESCRIPTION
NS		610250	LAMP HOLDER ASS'Y WITH YOKE AND LAMP (SOLID MT.) (REM. FIXTURES)
NS		610265	LAMP HOLDER ASS'Y WITH YOKE AND LAMP (SOLID MT.) (HPS)
NS		610255	LAMP HOLDER ASSEMBLY W/YOKE, LAMP AND CUSHIONS (CUSHION MT.)
NS		610253	LAMP HOLDER ASSEMBLY W/YOKE, LAMP AND CUSHIONS (CUSHION MT.) (HPS)
NS		650144	LAMP HOLDER ASSEMBLY WITH YOKE AND LAMP
NS		610263	LAMP HOLDER ASSEMBLY WITH YOKE AND CUSHIONS, W/ HPS LAMP (CUSHION MOUNT)
1	1	610208	ALUMINUM RING
2	1	610211	LAMP BT-37
2A	1	610218	LAMP 1000W SHO ED37 (HPS)
3	2	**	#8 WASHER (STAINLESS STEEL)
4	2	**	#8-32 NC X 1/2 HEX HEAD BOLT (STAINLESS STEEL)
5	8	041028	#10-24 NC X 1/2 HEX HEAD BOLT (STAINLESS STEEL) 15
6	8	043017	#10 INTERNAL TOOTH WASHER
7	1	610207	ALUMINUM PLATE
8	2	044013	#8 -32 NC NYLON INSERT NUT (STAINLESS STEEL)
9	1	610209	LAMP TIP SUPPORT
NS	1	650250	LAMP TIP SUPPORT (HIGH PRESSURE SODIUM)
10	1	610210	LAMP TIP SUPPORT TUBE
11	1	610212	CERAMIC SOCKET
12	1	610201	REFLECTOR
13	2	610213	END HOUSING GASKET
14	1	610206	RH SOLID END CASTING
15	2	044037	3/8 - 24 NF NYLON INSERT NUT
16	4	047019	.75 OD x .385 ID x .20 NYLON WASHER
17	2	045142	3/8 - 24 NF X 3/8 - 16 NC X 2" STUD
18	1	680493	SOLID MOUNT YOKE
19	2	047016	3/8 SAE WASHER
20		044031	5/16-18 KEPS NUT
21	2	041035	#10 - 24 NC X 1 1/4 ROUND HEAD BOLT
22	4	610260	RUBBER SHOCK MOUNT SHO 1000
23	2	610235	SHO CUSHION MOUNT PLATE
24	2	044018	10-24 NYLON LOCK NUT
25	1	610234	SHO 1000 CUSHION MOUNT YOKE
26		610236	SHO 1000 CUSHION MOUNT YOKE ASSEMBLY
27		650159	16/3 PORTABLE CORD 66
27A	1	310434	LAMP CONNECTOR AND LEAD (REMOVEABLE FIXTURE ONLY)
28	1	510007	1/2-CORD GRIP
29	1	610214	1/2" ENTRANCE ELBOW
30	1	610215	1/2 CONDUIT NIPPLE
31	1	610205	LH SOCKET END CASTING
32	1	**	GREEN HEAT TEMP WIRE
33	1	**	BLACK HEAT TEMP WIRE
34	1	**	WHITE HEAT TEMP WIRE
35	1	610203	LENS
36	1	610217	LENS GASKET (SILICONE)
37	2	044019	#10-24 NYLON INSERT NUT (STAINLESS)
38	1	610202	LENS CHANNEL SET
39	2	045070	#10-24 NC SQ BD HOOK BOLT (W/VISOR)
40	1	610017	SHO 1000 LIGHT VISOR (OPTIONAL)
41	2	044016	#10-24 NC KEPS NUT

LEGEND: NS= Not Shown

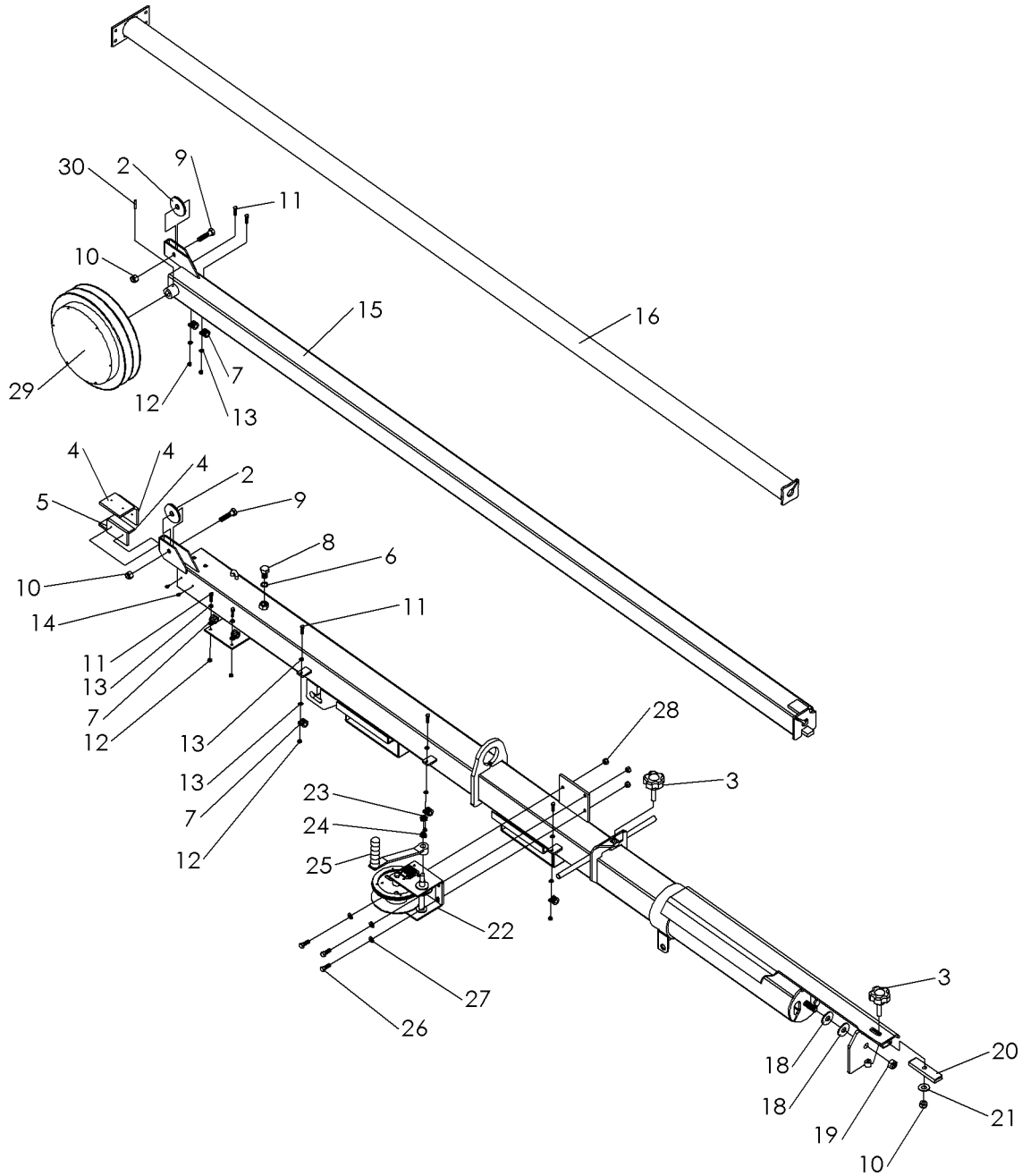
\*\* =Purchase locally

\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES MANUAL WINCH TOWER ASSEMBLY

B-1A



# MAXI-LITE SERIES

## MANUAL WINCH TOWER ASSEMBLY

B-1B

NO	REQ'D	PART NO	DESCRIPTION
1	1	680102*	4" MANUAL WINCH TOWER WELDMENT
2	2	320110	3" PULLEY W/BUSHING
3	2	620550	1/2 - 13 NC X 2 1/8 LOCKING KNOB
4	3	650110	.312 TOWER PAD
5	1	352280	PLASTIC TOWER PAD
6	1	043100	5/8 INTERNAL TOOTH LOCK WASHER
7	8	310212	#8 CUSHION CLAMP
8	1	046242	5/8 - 11 NC X 1 GRADE 5 BOLT
9	2	046200	1/2 - 13 NC X 2 1/4 GRADE 5 BOLT
10	3	044048	1/2 -13 NC NYLON INSERT NUT
11	8	046015	1/4 - 20 NC X 1" GRADE 5 HEX BOLT
12	8	044023	1/4 - 20 NC NYLON INSERT NUT
13	14	047009	1/4" FLATWASHER STAINLESS STEEL
14	8	041023	#10 X 3/8 SELF-TAPPING PLASTIC SCREW
15	1	680180*	3" TOWER WELDMENT MANUAL WINCH
16	1	352017*	2-5/8" MANUAL TOWER WELDMENT FOR REM. LIGHT BAR
17	1	620511	WELDMENT, TOWER SUPPORT
18	2	047030	5/8 FLAT WASHER (with painted tower)
	1	047030	5/8 FLAT WASHER (with galvanized tower)
19	1	044053	5/8 - 11 NC NYLON INSERT NUT
20	1	650145	MAST LOCKING BAR
21	1	047025	1/2" PLATED FLAT WASHER
22	1	610531	DLB 1200 BRAKE WINCH - PLATED
23	1		1/2" NUT (SUPPLIED WITH WINCH)
24	1		WINCH SPRING (SUPPLIED WITH WINCH)
25	1	712032	HANDLE FOR DLB 1200 - 7"
26	3	046110	3/8 - 16 NC X 1 GRADE 5 BOLT
27	3	047010	5/16" FLAT WASHER
28	3	044038	3/8 -16 NC NYLON INSERT NUT
29	1	320410	CORD REEL (OPTIONAL)
30	1	320453	3/16" X 1-3/4" ROLL PIN

LEGEND: NS= Not Shown

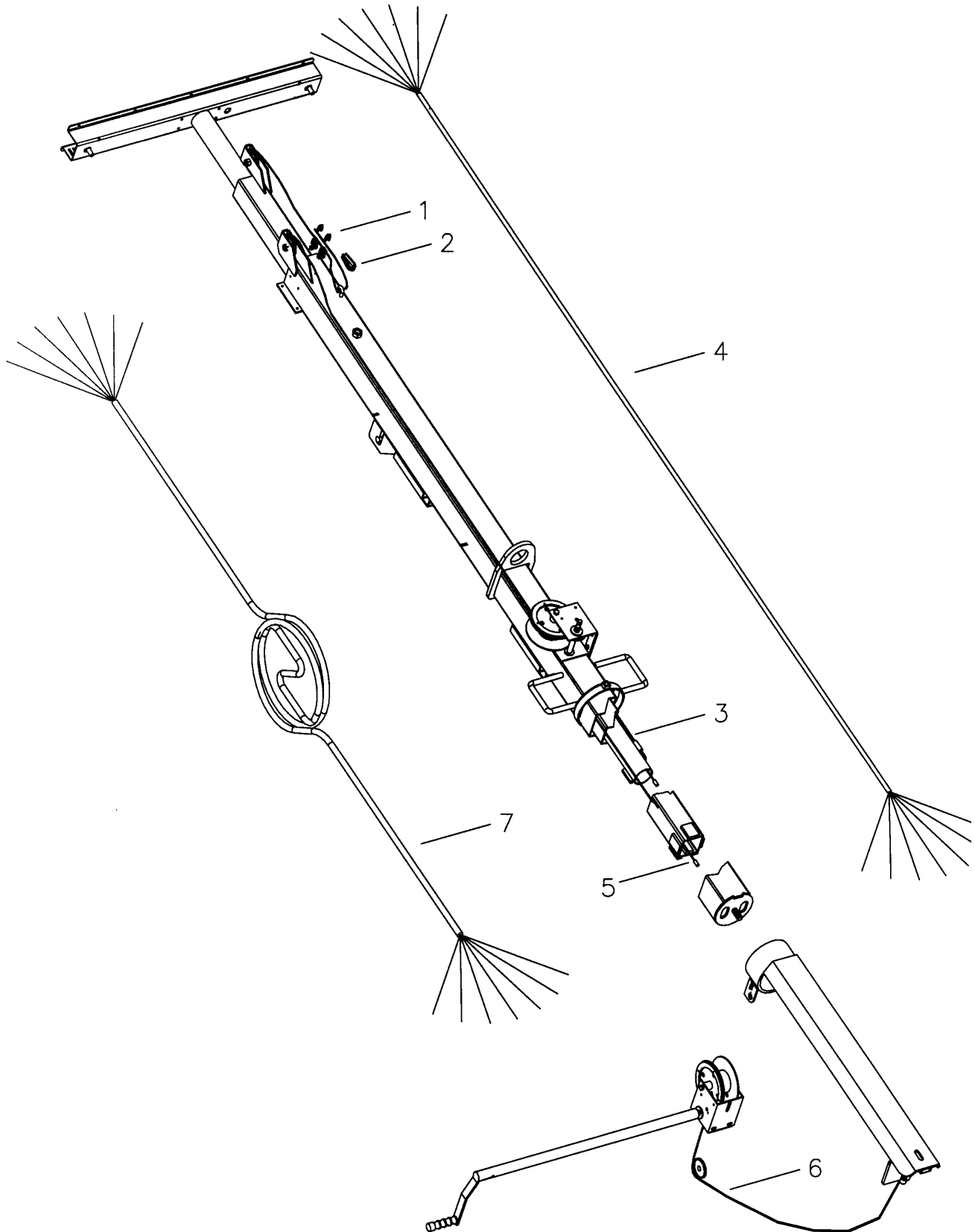
\*\* =Purchase locally

\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES MANUAL WINCH TOWER CABLE ROUTING

B-2A



# MAXI-LITE SERIES MANUAL WINCH TOWER CABLE ROUTING

NO	REQ'D	PART NO	DESCRIPTION	B-2B
1	2	620084	WIRE ROPE CLIP 3/16"	
2	1	045040	WIRE ROPE THIMBLE, 1/4"	
3	1	620076	STEEL CABLE 3/16- X 11'	
4	1	650140	MAST WIRING - 14/7 X 324" (STRAIGHT CORD)	
5	1	650133	STEEL CABLE 3/16" X 17' 9"	
6	1	320185	STEEL CABLE 3/16" X 10'	
7	1	352016	MAST WIRING 16/8 X 344" (CORD REEL 4 LIGHT)	
	1	352083	MAST WIRING 16/10 X 344" (CORD REEL 6 LIGHT)	
		680209*	MANUAL WINCH TOWER (4 Light) Complete W/Light Bar Assy	
		680210*	MANUAL CORD REEL TOWER (4 Light) Complete W/Light Bar Assy	
		680213*	MANUAL WINCH TOWER (6 Light) Complete W/Light Bar Assy	
		680214*	MANUAL CORD REEL TOWER (6 Light) Complete W/Light Bar Assy	

## INSTRUCTIONS FOR REPLACING STEEL CABLES.

### 3/16 X 11'

- REMOVE THE CUSHION CLAMPS AND MAST WIRING FROM 3" MAST SECTION.
- REMOVE THE WIRE ROPE CLIPS AT TOP END OF THE 4" MAST SECTION.
- REMOVE THE 3" PULLEY AT THE END OF THE 3" MAST SECTION.
- REMOVE THE 2 5/8" ROUND MAST SECTION.
- REMOVE ALL BROKEN AND FRAYED CABLE.
- REPLACE NEW CABLE THROUGH SLOT AND EYELET IN THE ROUND MAST SECTION.
- REPLACE 2 5/8" ROUND MAST SECTION IN THE 3" MAST SECTION.
- ROUTE CABLE THROUGH PULLEY BRACKETS AND INSTALL 3" PULLEY.
- WITH ALL SECTIONS PUSHED TOGETHER TIGHT, INSERT CABLE THROUGH HALF-LINK AND REINSTALL WIRE ROPE CLIPS.
- REINSTALL CUSHION CLAMPS AND MAST WIRING ON THE 3" MAST SECTION.

### 3/16 X 17' 9"

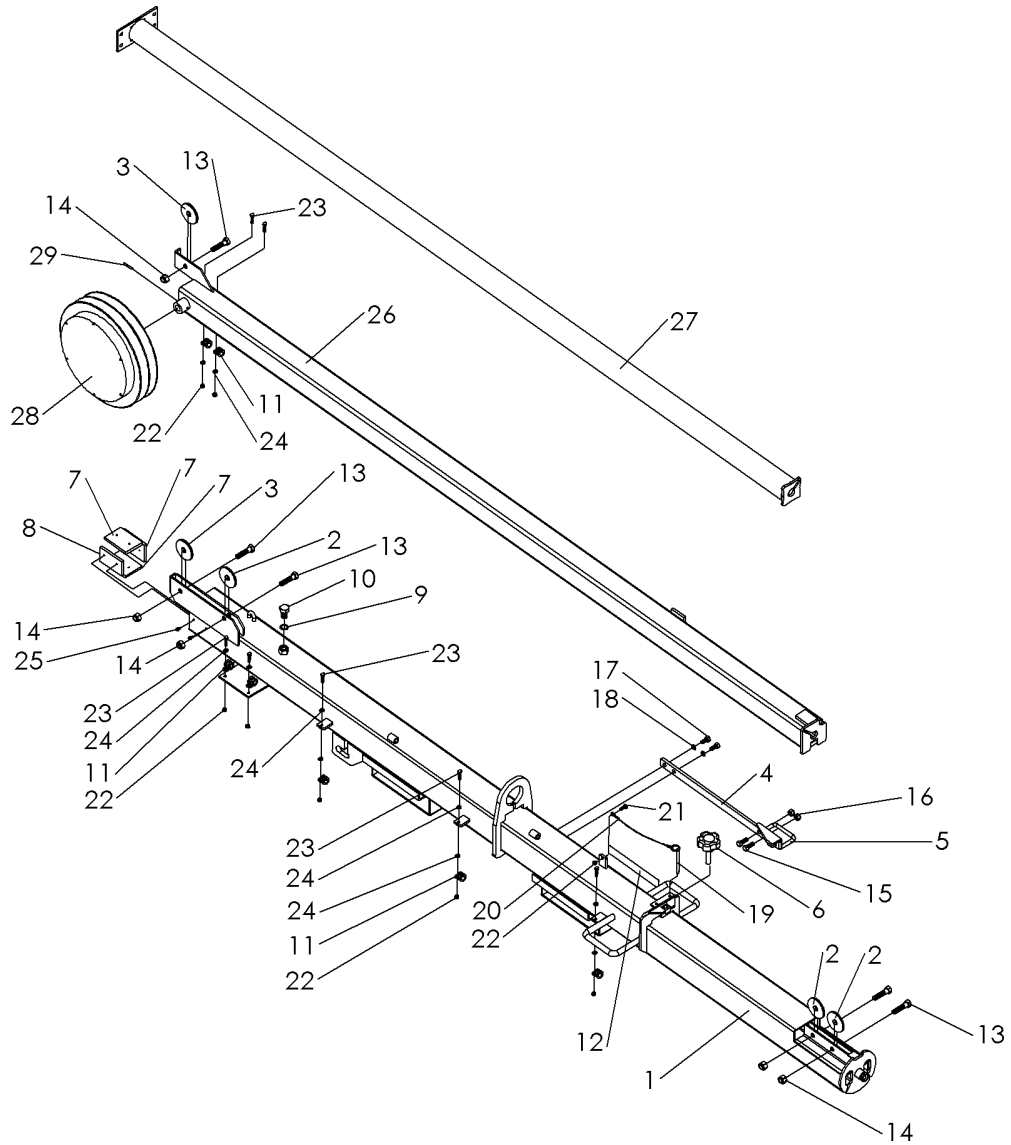
- REMOVE MAST WIRING FROM BALLAST COMPARTMENT (SEE ELECTRICAL SCHEMATIC)
- REMOVE THE CUSHION CLAMPS AND MAST WIRING FROM 4" MAST SECTION.
- REMOVE STOP BOLT AND WASHER.
- REMOVE 4 TOWER PADS AND 3" PULLEY AT THE END OF THE 4" MAST SECTION.
- REMOVE THE 2 5/8" ROUND AND 3" MAST SECTIONS TOGETHER.
- REMOVE ALL BROKEN AND FRAYED CABLE.
- REPLACE NEW CABLE THROUGH SLOT AND EYELET IN THE 3" MAST SECTION AND THROUGH PULLEY BRACKETS.
- REPLACE 2 5/8" ROUND AND 3" MAST SECTIONS.
- REPLACE 3" PULLEY AND 4 TOWER PADS.
- ATTACH CABLE TO WINCH AND WIND IN CLOCKWISE DIRECTION UNTIL ALL SLACK IS OUT.
- REPLACE STOP BOLT AND WASHER.
- REPLACE CUSHION CLAMPS AND MAST WIRING ON 4" MAST SECTION.
- REPLACE MAST WIRING IN BALLAST COMPARTMENT. (SEE ELECTRICAL SCHEMATIC)

### 3/16 X 10'

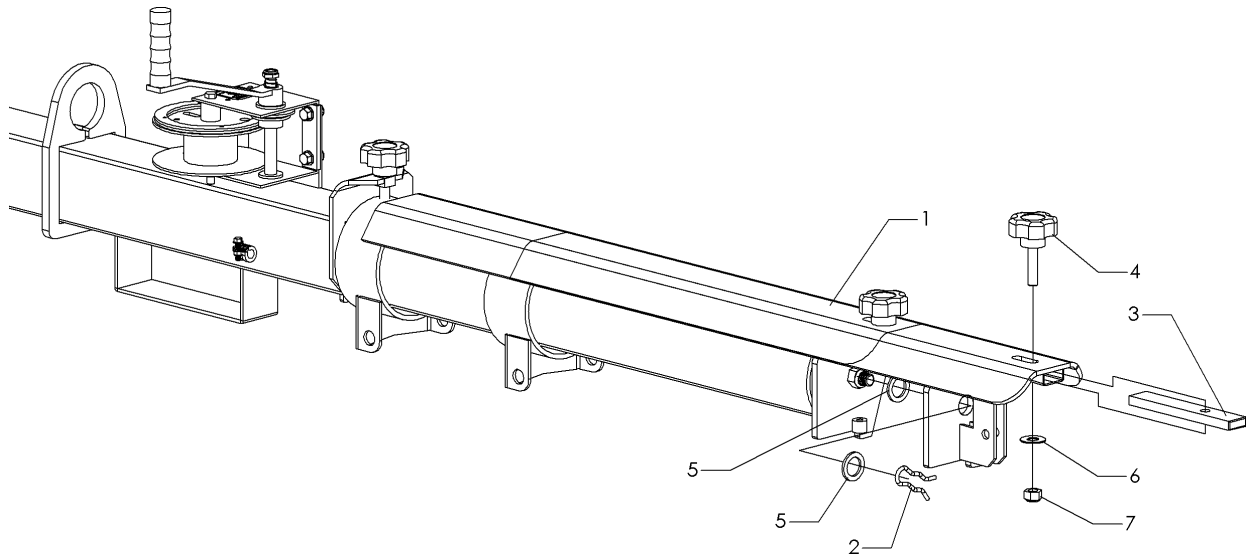
- REMOVE ALL BROKEN AND FRAYED CABLE.
- FEED NEW CABLE THROUGH EYELET IN MAST PIVOT SECTION.
- FEED THROUGH PULLEY BRACKETS AND AROUND PULLEY IN FRONT UPRIGHTS.
- ATTACH CABLE TO WINCH AND WIND IN CLOCKWISE DIRECTION UNTIL ALL SLACK IS OUT.

# MAXI-LITE SERIES ELECTRIC WINCH TOWER ASSEMBLY

B-3A



## ELECTRIC WINCH MAST PIVOT SECTION ASSEMBLY



# MAXI-LITE SERIES

## ELECTRIC WINCH TOWER ASSEMBLY

NO	REQ'D	PART NO	DESCRIPTION	B-3B
1	1	680184*	WELDMENT, 4" TOWER, ELECTRIC	
2	3	320112	2 1/2" PULLEY W/BUSHING	
3	2	320110	3" PULLEY	
4	1	620579	LOCK SPRING	
5	1	620577	LOCK HANDLE	
6	1	620550	LOCKING KNOB 1/2 - 13 NC X 2 1/8"	
7	2	650110	PLASTIC TOWER PAD, .312	
8	1	352280	PLASTIC TOWER PAD 5/16 SHORT	
9	1	043100	5/8 INTERNAL TOOTH LOCK WASHER	
10	1	046242	5/8 - 11 NC X 1 GRADE 5 BOLT	
11	8	022022	#8 CUSHION CLAMP	
12	1	090309	SPRING LATCH RELEASE DECAL	
13	5	046200	1/2 - 13 NC X 2 1/4 GRADE 5 BOLT	
14	5	044048	1/2 - 13 NC NYLON INSERT NUT	
15	2	046110	3/8 - 16 NC X 1 GRADE 5 BOLT	
16	2	044080	3/8 - 16 NC TOPLOCK NUT	
17	2	046105	3/8 - 16 NC X 3/4 GRADE 5 BOLT	
18	2	043070	3/8 INTERNAL TOOTH LOCK WASHER	
19	1	046438	1/4" X 3" QUICK RELEASE PIN	
20	1	712061	STEEL LANYARD	
21	4	046010	1/4 - 20 NC X 3/4 GRADE 5 BOLT	
22	9	044023	1/4 - 20 NC NYLON INSERT NUT	
23	8	046015	1/4 - 20 NC X 1" GRADE 5 BOLT	
24	14	047009	1/4" SS FLAT WASHER	
25	8	041023	#10 X 3/8 SELF TAPPING PLASTIC SCREW	
26	1	680185*	3" ELECTRIC WINCH TOWER WELDMENT	
27	1	352050*	REMOVEABLE LIGHT BAR 2 5/8" ROUND TOWER WELDMENT	
28	1	320410*	CORD REEL (used on cord reel towers only)	
29	1	320453	3/16 X 1 3/4 ROLL PIN (used on cord reel towers only)	

## ELECTRIC WINCH MAST PIVOT SECTION ASSEMBLY

NO	REQ'D	PART NO	DESCRIPTION
1	1	620570*	TOWER SUPPORT WELDMENT, ELECTRIC WINCH
2	1	620545	3/4 PLATED HAIRPIN CLIP
3	1	352168	MAST LOCKING BAR, ELECTRIC WINCH
4	1	620550	LOCKING KNOB 1/2 - 13 NC X 2 1/8"
5	2	047055	1" NARROW RIM PLATED MACHINE BUSHING
6	1	047025	1/2" PLATED FLAT WASHER
7	1	044048	1/2 - 13 NC NYLON INSERT NUT

\* Use these codes to designate color needed:

LEGEND: NS= Not Shown

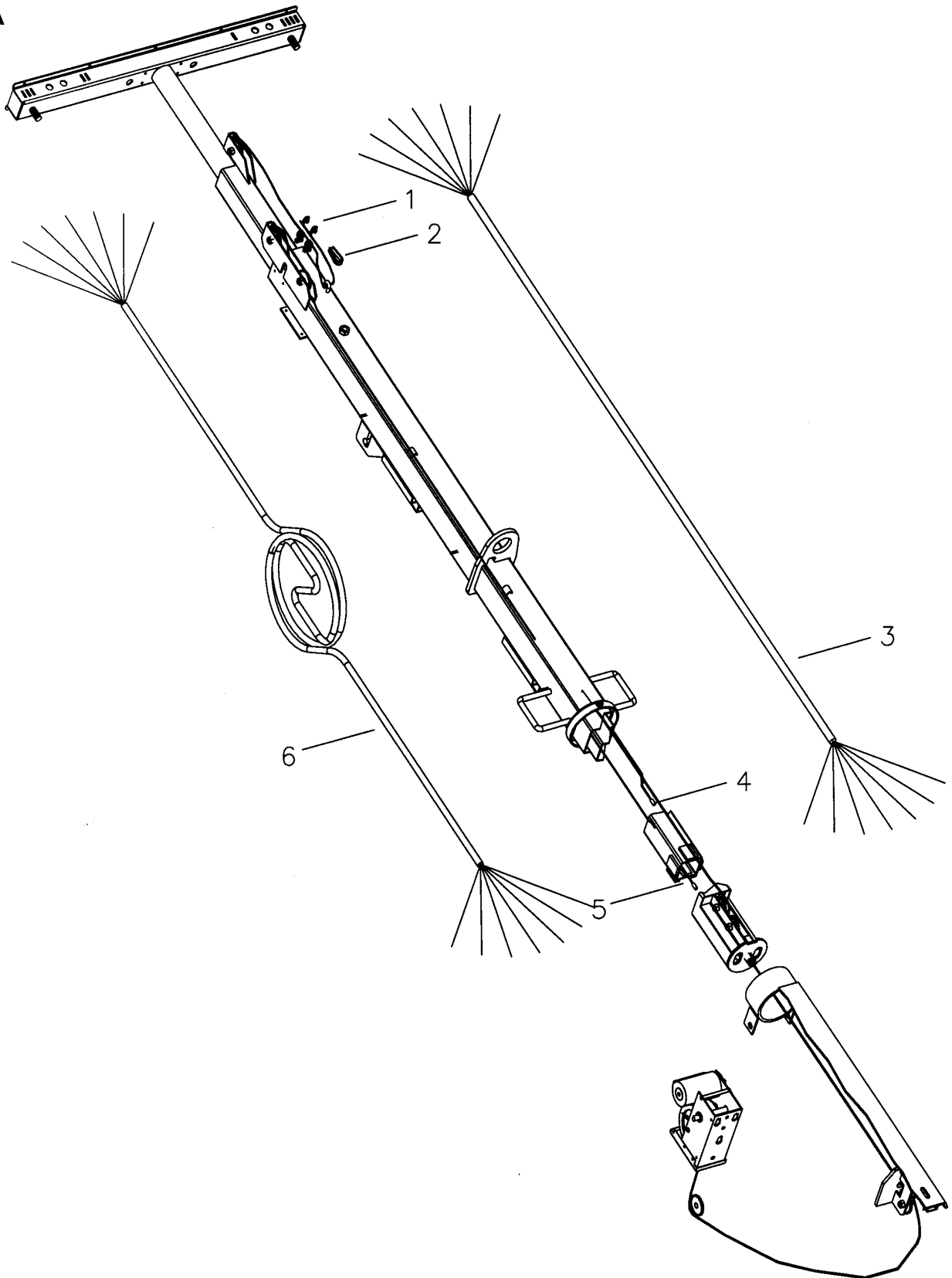
\*\* =Purchase locally

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## ELECTRIC WINCH TOWER CABLE ROUTING

B-4A





# MAXI-LITE SERIES ELECTRIC WINCH TOWER CABLE ROUTING

NO	REQ'D	PART NO	DESCRIPTION	
1	2	620084	WIRE ROPE CLIP 3/16	
2	1	045040	WIRE ROPE THIMBLE, 1/4	<b>B-4B</b>
3	1	620525	MAST WIRING - 14/7 X 324" (4-LIGHT STRAIGHT CORD)	
		352094	MAST WIRING - 16/10 X 324" (6-LIGHT STRAIGHT CORD)	
4	1	320185	STEEL CABLE 3/16" X 10'	
5	1	352054	STEEL CABLE 7/32" X 26'	
6	1	352016	MAST WIRING 16/8 X 344" (cord reel 4 light)	
	1	352083	MAST WIRING 16/10 X 344" (cord reel 6 light)	
NS		680204*	ELECTRIC ST. CORD TOWER (4 Light) Complete W/Light Bar Assy	
		680203*	ELECTRIC CORD REEL TOWER (4 Light) Complete W/Light Bar Assy	
		680207*	ELECTRIC ST. CORD TOWER (6 Light) Complete W/Light Bar Assy	
		680208*	ELECTRIC CORD REEL TOWER (6 Light) Complete W/Light Bar Assy	

## INSTRUCTIONS FOR REPLACING STEEL CABLES.

### 3/16 X 10'

REMOVE THE CUSHION CLAMPS AND MAST WRING FROM 3" MAST SECTION.  
 REMOVE LIGHT BAR BY REMOVING 4 NUTS ON BAR AND LAY BAR ON GROUND.  
 REMOVE THE WIRE ROPE CLIPS AT TOP END OF THE 4" MAST SECTION.  
 REMOVE THE 3" PULLEY AT THE END OF THE 3" MAST SECTION.  
 REMOVE THE 2 5/8" ROUND MAST SECTION.  
 REMOVE ALL BROKEN AND FRAYED CABLE.  
 REPLACE NEW CABLE THROUGH SLOT AND EYELET IN THE ROUND MAST SECTION.  
 REPLACE: 2 5/8" ROUND MAST SECTION IN THE 3" MAST SECTION.  
 ROUTE CABLE THROUGH PULLEY BRACKETS AND INSTALL 3" PULLEY.  
 WITH ALL SECTIONS PUSHED TOGETHER TIGHT, INSERT CABLE THROUGH HALF-LINK  
 AND REINSTALL WIRE ROPE CLIPS.  
 REINSTALL CUSHION CLAMPS AND MAST WIRING ON THE 3" MAST SECTION.

### 7/32 X 26'

REMOVE CABLE FROM WINCH.  
 REMOVE MAST WIRING FROM BALLAST COMPARTMENT (SEE ELECTRICAL SCHEMATIC)  
 REMOVE TOWER ASSEMBLY FROM TRAILER.  
 REMOVE STOP BOLT AND WASHER.  
 REMOVE 4 NYLON ROLLERS AND 3" PULLEY AT TOP END OF 3" SQUARE SECTION.  
 REMOVE THE 2 5/8" ROUND AND 3" MAST SECTIONS TOGETHER.  
 REMOVE 2 1/2" PULLEY FROM END OF 4- SECTION.  
 REMOVE ALL BROKEN AND FRAYED CABLE.  
 REPLACE NEW CABLE THROUGH SLOT AND EYELET IN THE 3" MAST SECTION AND  
 THROUGH PULLEY BRACKETS.  
 REPLACE 2 5/8- ROUND AND 3" MAST SECTIONS.  
 REPLACE 3" PULLEY AND 4 NYLON ROLLERS.  
 REPLACE STOP BOLT AND WASHER.  
 RUN NEW CABLE ON OUTSIDE OF 4" SECTION.  
 REPLACE 2 1/2" PULLEY.  
 REPLACE TOWER ASSEMBLY ON TRAILER.  
 REPLACE MAST WIRING IN BALLAST COMPARTMENT. (SEE ELECTRICAL SCHEMATIC)  
 RUN NEW CABLE THROUGH PULLEY BRACKETS IN FRONT OF TRAILER.  
 ATTACH CABLE TO ELECTRIC WINCH.  
 WIND IN CLOCKWISE DIRECTION UNTIL ALL SLACK IS OUT.

\* Use these codes to designate color needed:

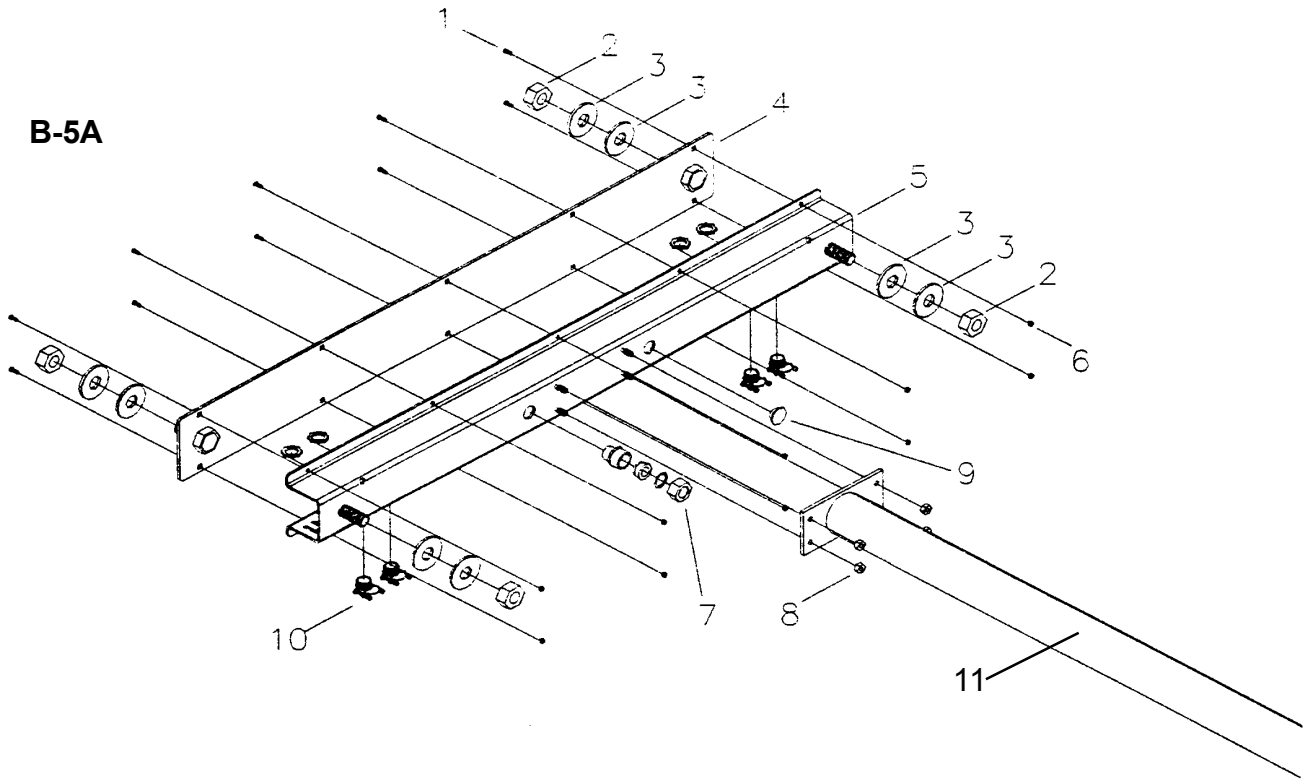
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

LEGEND: NS= Not Shown

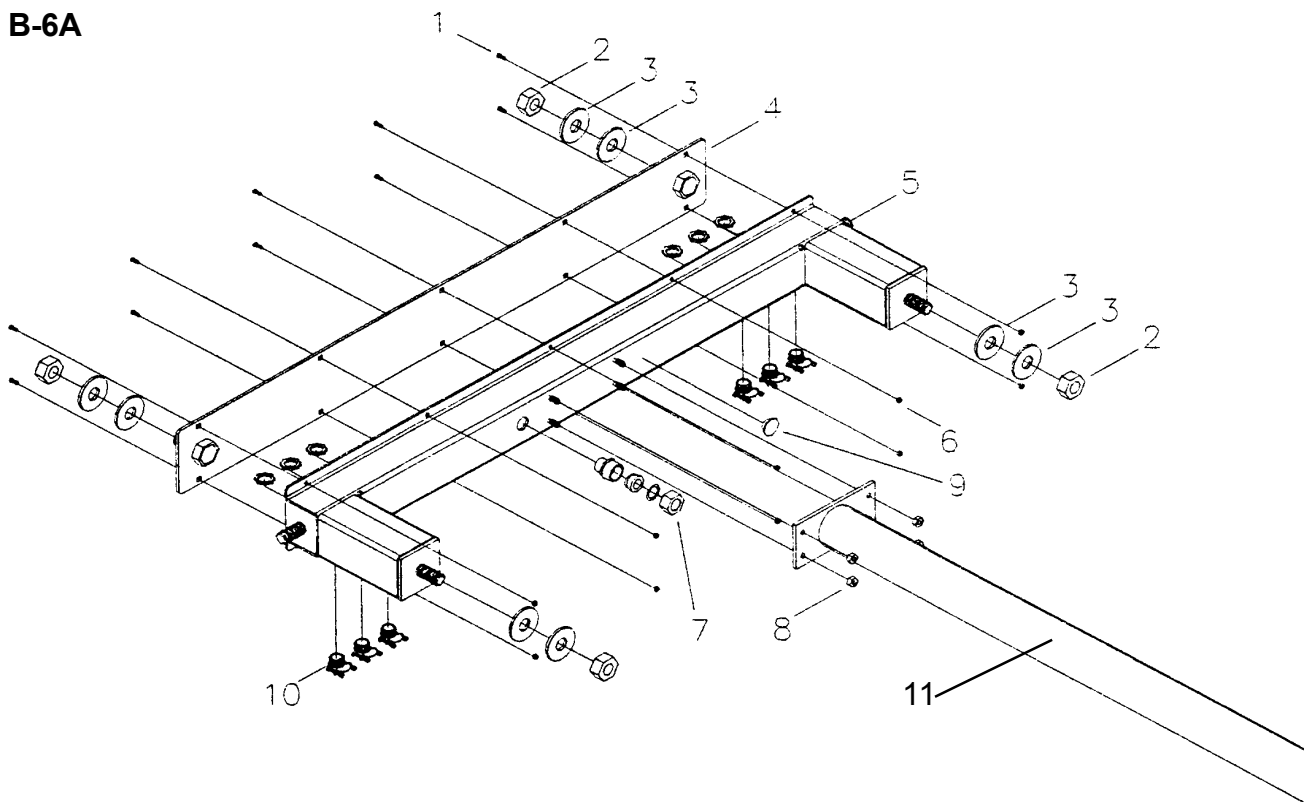
\*\* =Purchase locally

# MAXI-LITE SERIES

## 4-LIGHT REMOVABLE LIGHT BAR ASSEMBLY



## 6-LIGHT REMOVABLE LIGHT BAR ASSEMBLY



# MAXI-LITE SERIES

## 4-LIGHT REMOVABLE LIGHT BAR ASSEMBLY

B-5B

NO	REQ'D	PART NO	DESCRIPTION
		352042*	LIGHT BAR ASSEMBLY, 4-LIGHT
1	10	**	1/4 - 20 NC X 1/2 CARRIAGE BOLT
2	4	**	3/4 - 10 NC NYLON INSERT NUT
3	8	**	3/4 FLAT WASHER
4	1	620537*	LIGHT BAR COVER PLATE
5	1	650319*	LIGHT BAR FRAME ONLY
6	10	**	1/4 - 20 NC KEPS NUT
7	1	310033	CORD GRIP NUT - METAL
7A	1	022039	1/2" BUSHING
8	4	**	5/16 - 18 NC KEPS NUT
9	1	711029	LOCKING HOLE PLUG
10	4	310414	LAMP CONNECTOR, FEMALE
11	1	325017*	2 5/8 ROUND TOWER SECTION (Manual removeable light bar)
	1	352050*	2 5/8 ROUND TOWER SECTION (Electric removeable light bar)

LEGEND: NS = Not Shown  
\*\* =Purchase locally

## 6-LIGHT REMOVABLE LIGHT BAR ASSEMBLY

B-6B

NO	REQ'D	PART NO	DESCRIPTION
		352045*	LIGHT BAR ASSEMBLY, 6-LIGHT
1	10	**	1/4 - 20 NC X 1/2 CARRIAGE BOLT
2	4	**	3/4 - 10 NC NYLON INSERT NUT
3	8	**	3/4 FLAT WASHER
4	1	352031*	LIGHT BAR COVER PLATE
5	1	352030*	LIGHT BAR FRAME ONLY
6	10	**	1/4 - 20 NC KEPS NUT
7	1	310033	CORD GRIP NUT - METAL
7A	1	022039	1/2" BUSHING
8	4	**	5/16 - 18 NC KEPS NUT
9	1	711029	LOCKING HOLE PLUG
10	6	310414	LAMP CONNECTOR, FEMALE
11	1	325017*	2 5/8 ROUND TOWER SECTION (Manual removeable light bar)
	1	352050*	2 5/8 ROUND TOWER SECTION (Electric removeable light bar)

LEGEND: NS = Not Shown  
\*\* =Purchase locally

\* Use these codes to designate color needed:

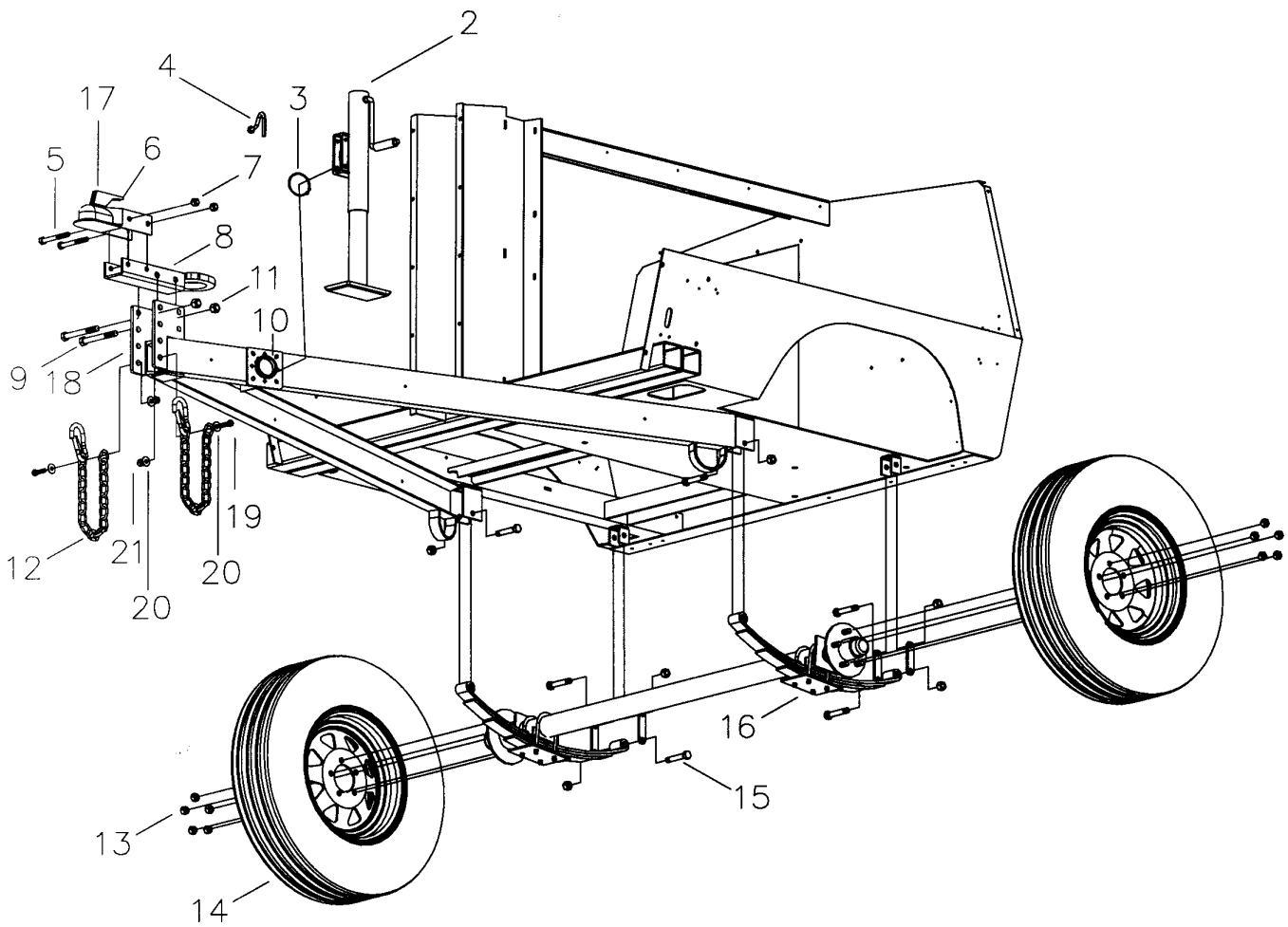
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### AXLE ASSEMBLY, HITCH ASSEMBLY AND TONGUE JACK

C-1A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### AXLE ASSEMBLY, HITCH ASSEMBLY AND TONGUE JACK

C-1B

NO	REQ'D	PART NO	DESCRIPTION
2	1	650235	SIDE CRANK JACK, SNAP RING (SHOWN)
	1	680558	SIDE CRANK JACK, TUBE MOUNT (NOT SHOWN)
	1	680879	TOP CRANK JACK, TUBE MOUNT (NOT SHOWN)
	1	330013	JACK LOCK PIN (USE WITH 680558 and 680879)
3	1	330014	JACK SNAP RING 2 5/16 XT (USE WITH 650235)
4		330012A	JACK HOLE PIN KIT
5	2	**	1/2 - 13 NC X 4 GRADE 5 BOLT
6	1	712021	BALL COUPLER ONLY
7	2	**	1/2 - 13 NC TOPLOCK NUT
8	1	712540*	PINTLE HITCH WELDMENT
9	2	**	5/8 - 11 NC X 5 GRADE 5 BOLT
10		330009	JACK MOUNTING BRACKET W/SNAP RING
11	2	**	5/8 - 11 NC TOPLOCK NUT
12		049040	SAFETY CHAIN SET
13	10	**	AXLE LUG NUT
14	2	680124*	WHEEL & TIRE 15" ORANGE SPOKE
		352157	WHEEL ORANGE SPOKE
		680136	WHEEL SPOKE (ALLMAND GOLD)
		032020	TIRE P225/75R15
		032075	TIRE VALVE STEM
15	1	032025	AXLE MOUNTING HARDWARE KIT
16	1	352021	AXLE 3000 LB. 56"/44"
17		712021	2" BALL COUPLING KIT
18		712552	HITCH PLATE, ONE EACH
19	2	**	7/16-14NC X 1 1/2" GRADE 5 BOLT
20	4	**	3/8 FLAT WASHER
21	2	**	7/16-14NC NYLON LOCK NUT
NS		600770*	REVERSIBLE HITCH ASSY.
NS		330007	HUB W/RACES
NS		330005	BEARING SET
NS		330004	HUB W/RACES AND BEARING SET
NS		650236	PLASTIC JACK CAP

LEGEND: NS= Not Shown

\*\* =Purchase locally

\* Use these codes to designate color needed:

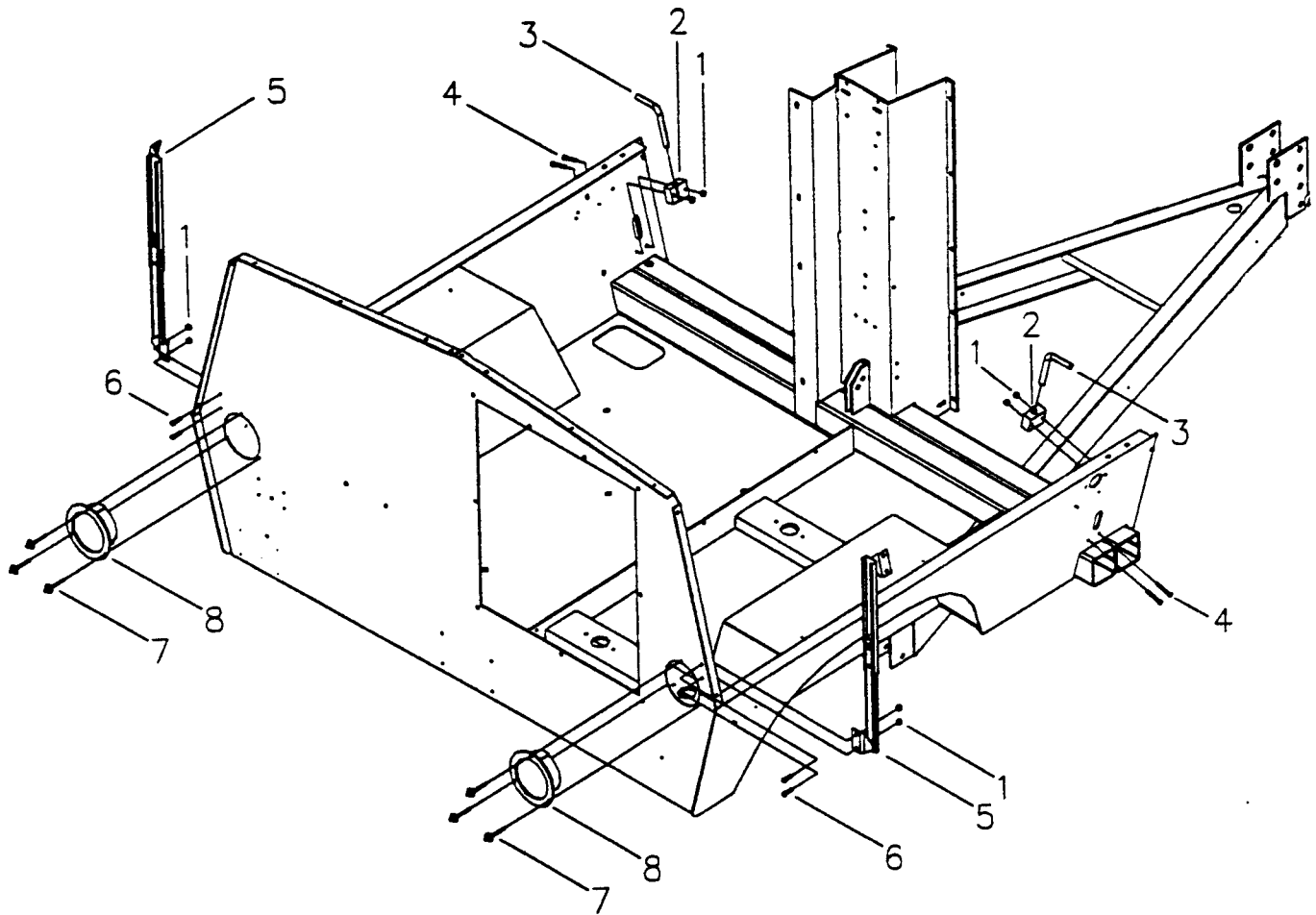
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

TAILLIGHTS, DOOR PROPS AND OUTRIGGER LOCKS

C-2A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

TAILLIGHTS, DOOR PROPS AND OUTRIGGER LOCKS

C-2B

NO	REQ'D	PART NO	DESCRIPTION
1	8	**	1/4-20 NC NYLON INSERT NUT
2	2	330430	OUTRIGGER PIN BLOCK
3	2	330455	OUTRIGGER PIN
4	4	**	1/4 - 20 NC X 1 3/4 SS SCREW
5	2	352057	TELESCOPIC PROP
6	4	**	1/4 - 20 NC X 1 SS SCREW
7	6	**	3/16 ALUMINUM RIVETS
8	2	650129	TAILLIGHT
		352037	TAILLIGHT WIRING HARNESS
		680190	TAILLIGHT ASSEMBLY

LEGEND: NS= Not Shown

\*\* =Purchase locally

\* Use these codes to designate color needed:

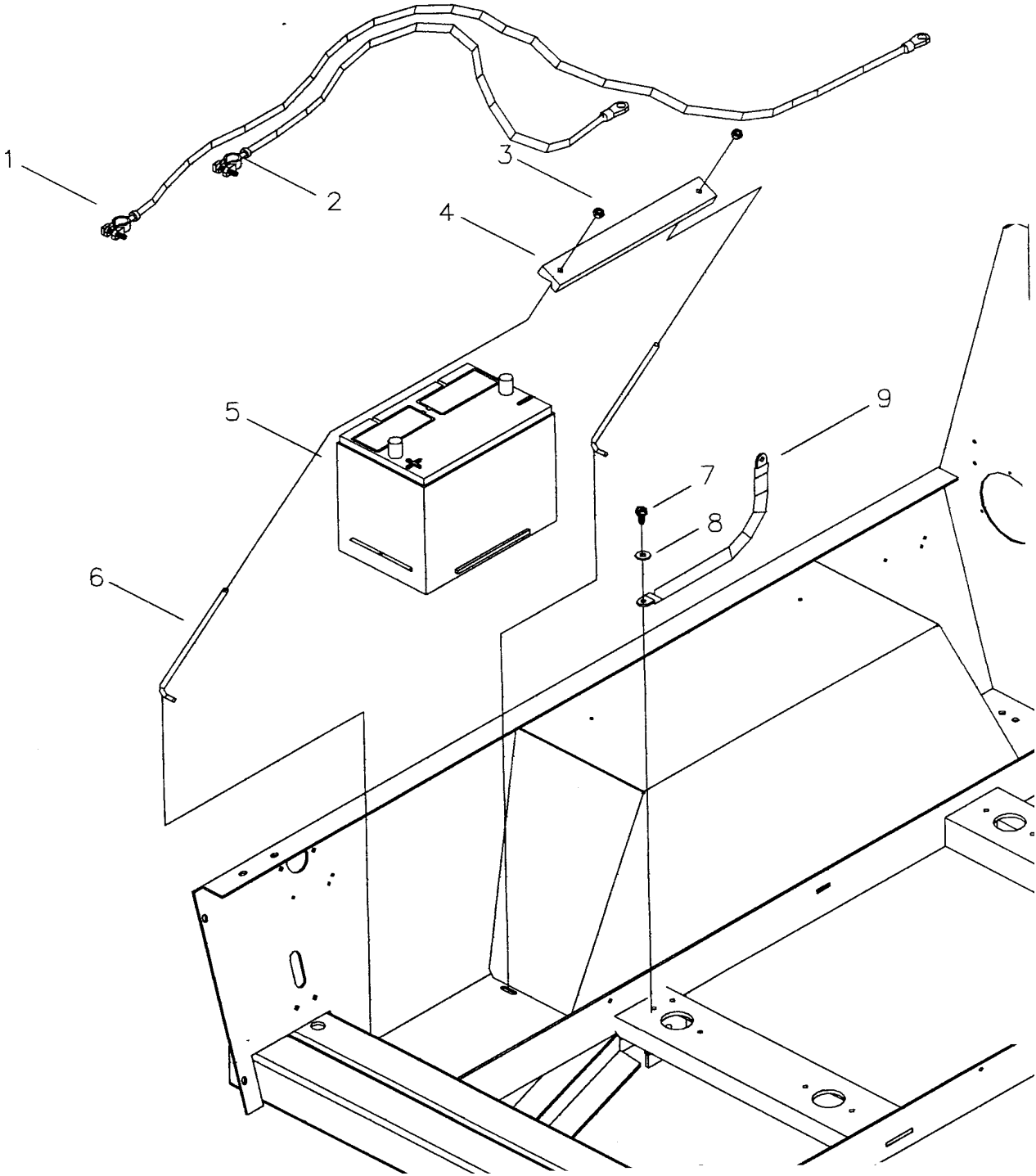
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### BATTERY, CABLES, AND GROUND STRAP

C-3A





# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

C-3B

### BATTERY, CABLES, AND GROUND STRAP

NO	REQ'D	PART NO	DESCRIPTION
1	1	713098	36" BATTERY CABLE
2	1	027010	21" BATTERY CABLE
3	2	**	5/16 - 18 NC NYLON INSERT NUT
4	1	340017	NYLON BATTERY HOLD DOWN
5	1	024002	12 VOLT BATTERY
	1	024003	12 VOLT BATTERY (ARCTIC SPL. ONLY)
6	2	433507	J-BOLT 5/16 X 11"
7	1	**	1/4-18 NC X 1 BOLT W/ KEPS NUT
8	2	**	1/4 FLAT WASHER
9	1	340105	GROUND STRAP

LEGEND: NS= Not Shown

\*\* =Purchase locally

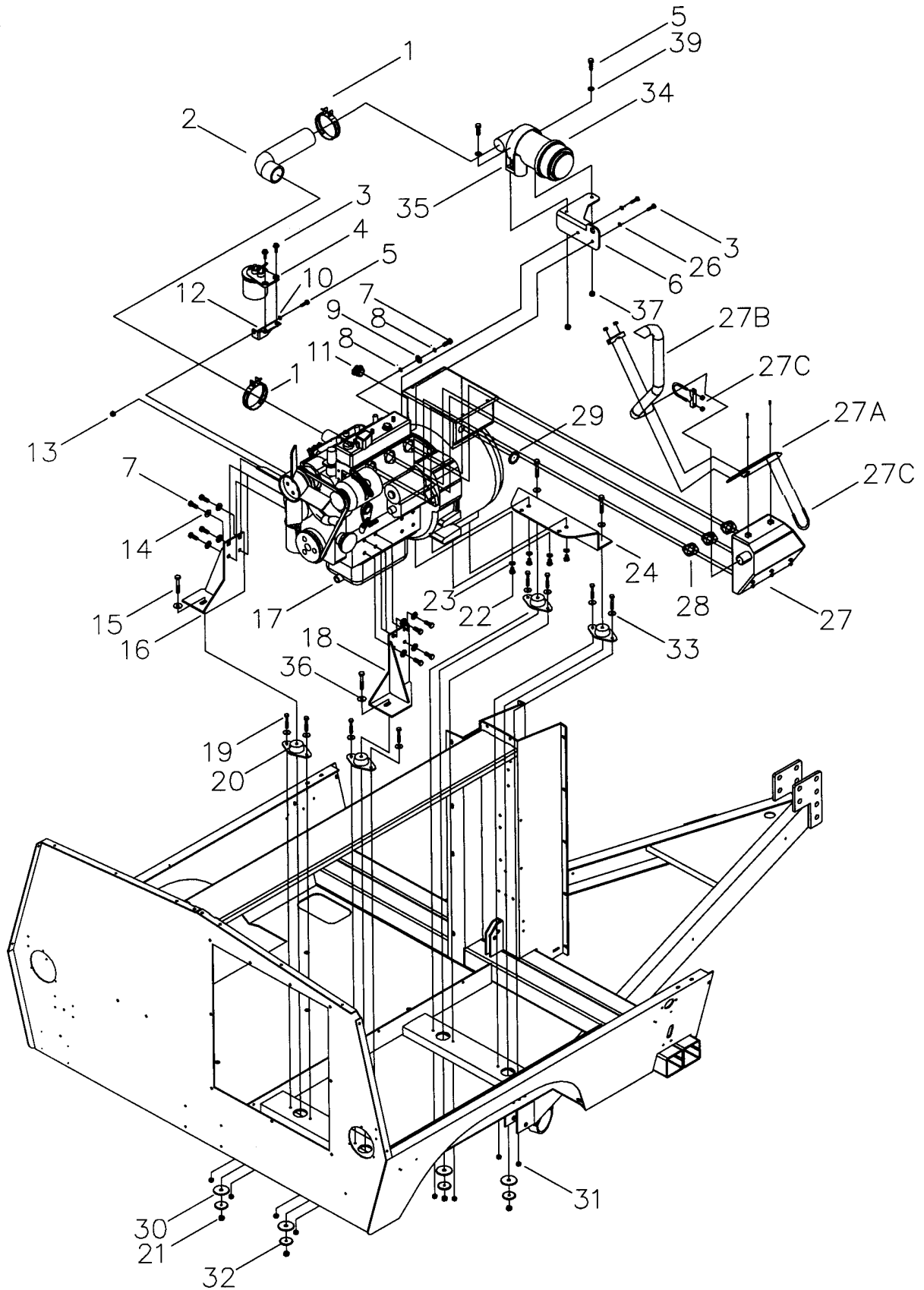
\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES KUBOTA/PERKINS ENGINE/GENERATOR SET

C-4A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

KUBOTA/PERKINS ENGINE/GENERATOR SET

C-4B

NO	REQ'D	PART NO	DESCRIPTION
1	2	045038	HOSE CLAMP #32
2	1	650272	AIR INTAKE HOSE, KUBOTA
3	2	**	8mm X 20mm X 1.25 GRADE 8.8 BOLT
4	1	920745	KUBOTA FUEL FILTER
5	2	**	5/16 - 18 NC X 1 1/4 GRADE 5 BOLT
6	1	650291*	AIR CLEANER MOUNT PLATE, KUBOTA
7	9	**	10mm X 20mm X 1.25 GRADE 8.8 BOLT
8	2	**	3/8 FLAT WASHER
9	1	**	3/8 INTERNAL TOOTH LOCK WASHER
10	2	**	5/16 INTERNAL TOOTH LOCK WASHER
11	1	022025	2-SCREW ROMEX CLAMP 3/4
NS		022036	3/4" STEEL LOCK NUT
12	1	@@@	FUEL FILTER MOUNTING PLATE
13	5	**	5/16 - 18 NC KEPS NUT
14	8	**	3/8 SAE FLAT WASHER
15	4	**	3/8 - 16 NC X 2 1/4 GRADE 5 BOLT
16	1	640283*	ENGINE MOUNT BRACE, RIGHT KUBOTA
	1	680127*	ENGINE MOUNT BRACE, RIGHT PERKINS
17	1	100990	KUBOTA 1105 WITH DEEP SEA PANEL
18	1	640282*	ENGINE MOUNT BRACE, LEFT KUBOTA
	1	680126*	ENGINE MOUNT BRACE, LEFT PERKINS

LEGEND: NS= Not Shown

\*\* =Purchase locally

@@@ =See Kubota Dealer

\* Use these codes to designate color needed:

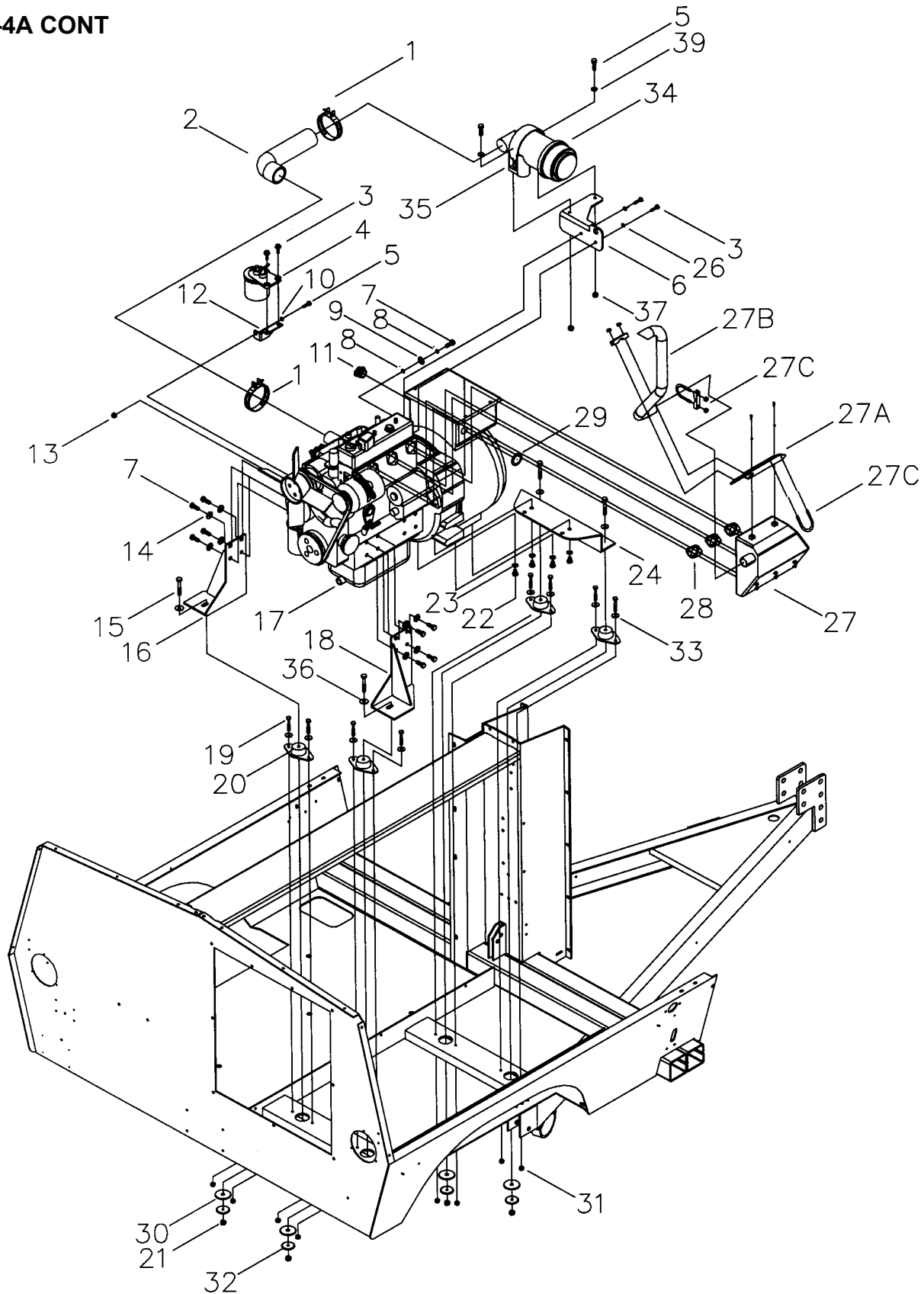
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### KUBOTA/PERKINS ENGINE/GENERATOR SET

C-4A CONT



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

KUBOTA/PERKINS ENGINE/GENERATOR SET

C-4B CONT

NO	REQ'D	PART NO	DESCRIPTION
19	8	**	5/16-18 NC X 1 GRADE 5 BOLT
A.S.	4	640565	WASHER MUSHROOM CUSHION MOUNT
A.S.	4	650260	WASHER SNUBBING
NS	4	640500	MUSHROOM CUSHION MOUNT
20	4	650259	RUBBER ENGINE MOUNTS-120 LB (KUBOTA)
21	4	**	3/8-16 NC NYLON INSERT NUT
22	2	**	3/8-16 NC X 1 GRADE 5 BOLT
23	2	**	3/8 SPLIT LOCK WASHER
24	1	680128*	GENERATOR MOUNT PLATE, KUBOTA/PERKINS
A. S.	1	680232*	GENERATOR MOUNT PLATE, NEWAGE
25	4	**	8mm X 25mm X 1.25 GRADE 8.8 BOLT
26	5	**	5/16 SPLIT LOCK WASHER
NS	1	651232	KUBOTA MUFFLER
27	1	352139	KUBOTA BOX MUFFLER KIT
27A	1	352126-10	KUBOTA BOX MUFFLER HEAT SHIELD
27B	1	352140	KUBOTA EXHAUST PIPE
27C	1	313086	MUFFLER CLAMP
28	1	352135	EXHAUST MANIFOLD MOUNT GASKET (KUBOTA)
29	1	**	CAP PLUG
30	4	640565	ENGINE MOUNT WASHER
31	8	**	5/16 - 18 NYLON INSERT NUT
32	4	650260	SNUBBING WASHER
33	4	**	3/8 FLAT WASHER
34	1	650262	AIR CLEANER RADIAL SEAL (KUBOTA ONLY)
35	2	650263	AIR CLEANER BAND RADIAL SEAL (KUBOTA ONLY)
36	4	**	3/8 FLAT WASHER
NS	1	651232	CAT MUFFLER
NS	1	100898	FUEL/ WATER SEPERATOR
NS	1	101022P	WATER SEPERATOR BRACKET
NS	1	654000	8Kw AVR MARATHON GENERATOR

LEGEND: NS= Not Shown

\*\* =Purchase locally

@@@ =See Kubota Dealer

@@@@ =See Perkins Dealer

\* Use these codes to designate color needed:

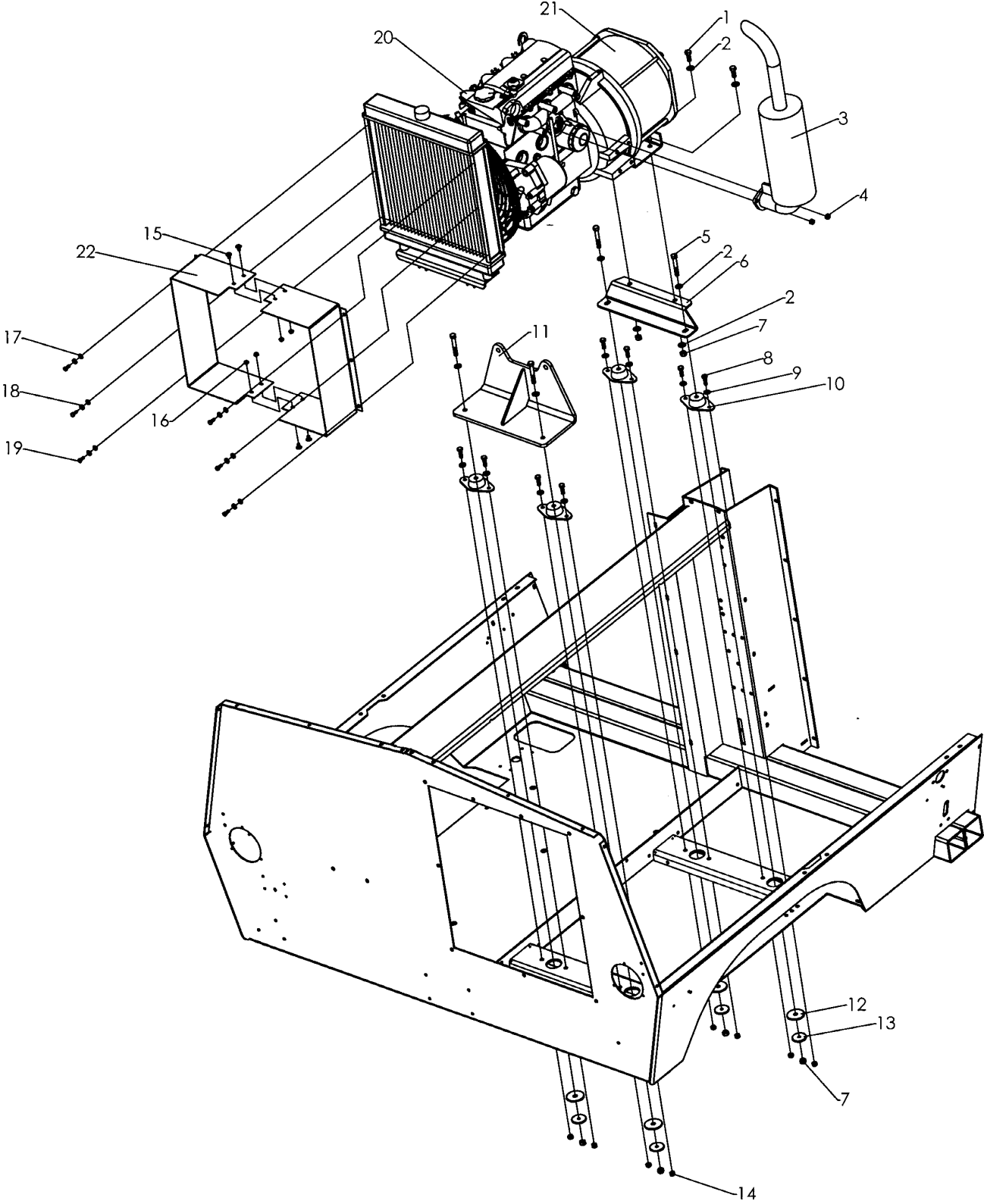
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### LOMBARDINI ENGINE/GENERATOR SET

C-4C



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### LOMBARDINI ENGINE/GENERATOR SET

C-4D

NO	REQ'D	PART NO	DESCRIPTION
1	2	046110	3/8 - 16 NC X 1" GRADE 5 BOLT
2	6	047016	3/8" FLAT WASHER
3	1	651236	MUFFLER
4	2	042082	8mm X 1.25 HEX NUT
5	4	046124	3/8 - 16 NC X 2 - 1/2" GRADE 5 BOLT
6	1	680479*	LOMBARDINI MAXI GENERATOR MOUNT PLATE
7	6	044038	3/8 - 16 NC NYLON INSERT NUT
8	8	046050	5/16 - 18 NC X 1" GRADE 5 BOLT
9	8	047011	5/16" FLAT WASHER
10	4	650259	RUBBER ENGINE MOUNT--120 LB.
11	1	680478*	LOMBARDINI MAXI ENGINE MOUNT PLATE
12	4	640565	ENGINE MOUNT WASHER
13	4	650260	SNUBBING WASHER
14	8	044033	5/16 - 18 NC NYLON INSERT NUT
15	4	041078	1/4 - 20 X 1/2" PHILLIPS HEAD TRUSS SCREW
16	4	044021	1/4 - 20 KEPS NUT
17	6	047070	10mm FLAT WASHER
18	6	043020	1/4" SPLIT LOCK WASHER
19	6	042019	6mm X 1.0 X 16mm HEX BOLT
20	1	650830	LOMBARDINI LDW 903 ENGINE
21	1	650592	POWRGARD 6 KW GENERATOR
22	2	650567*	RADIATOR SHROUD
NS	1	650010	FUEL FILTER
NS	1	650011	OIL FILTER
NS	1	650012	AIR FILTER
NS	3	650013	GLOW PLUG
NS	1	101898	FUEL/WATER SEPERATOR
NS	1	101022P	WATER SEPERATOR BRACKET

LEGEND: NS= Not Shown  
 \*\* =Purchase locally

\* Use these codes to designate color needed:

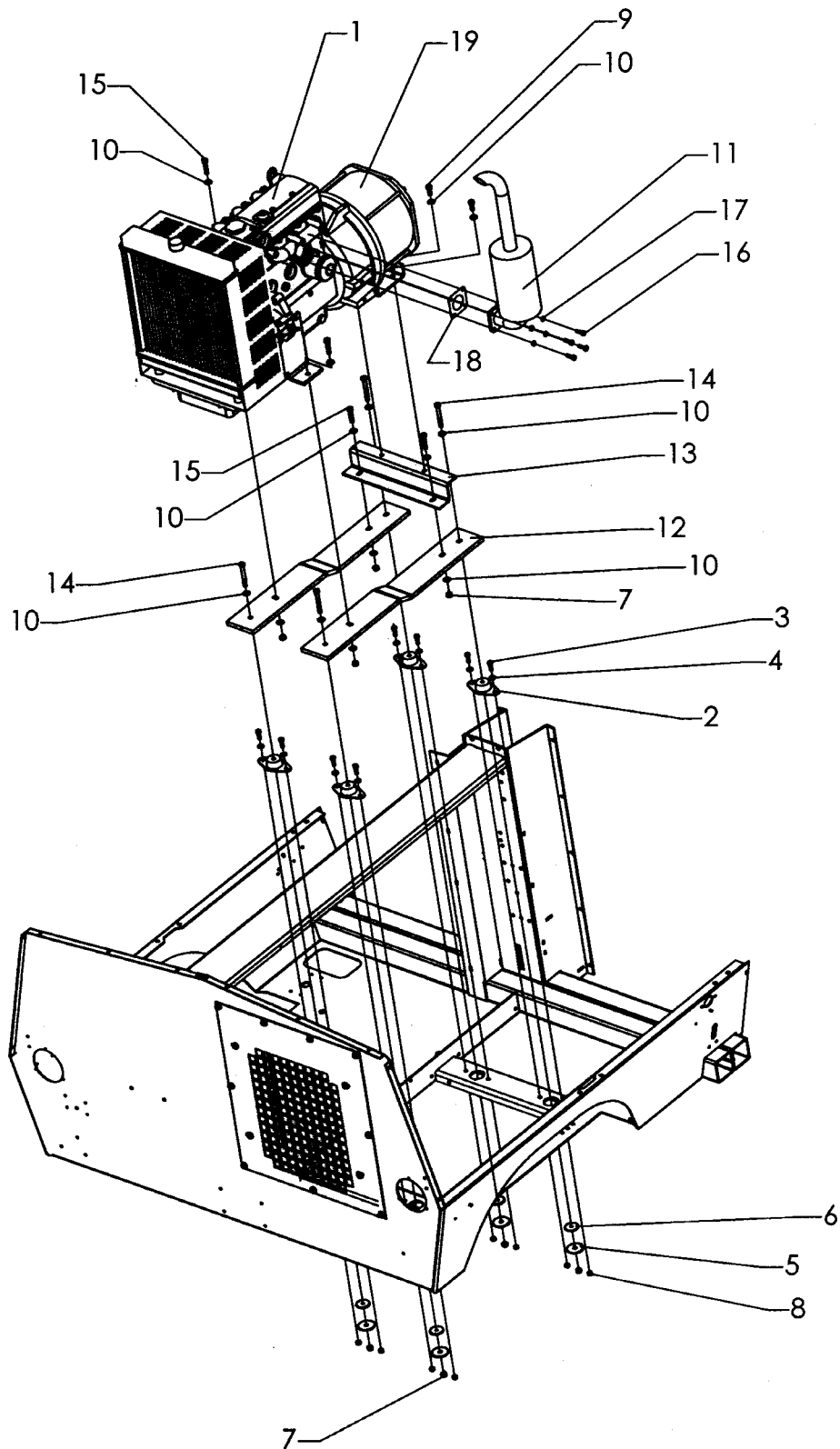
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

CAT 3011C ENGINE/GENERATOR SET

C-4E





# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### CAT 3011C ENGINE/GENERATOR SET

C-4F

NO	REQ'D	PART NO	DESCRIPTION
1	1	352097	CAT 3011C D RATE
		352236	CAT 3011C NON-D RATE
2	4	650259	RUBBER ENGINE MOUNT--120 LB.
3	8	046050	5/16 - 18 NC X 1" GRADE 5 BOLT
4	8	047011	5/16" FLAT WASHER
5	4	640565	ENGINE MOUNT WASHER
6	4	650260	SNUBBING WASHER
7	8	044038	3/8 - 16 NC NYLON INSERT NUT
8	8	044033	5/16 - 18 NC NYLON INSERT NUT
9	2	046110	3/8 - 16 NC X 1" GRADE 5 BOLT
10	14	047016	3/8" FLAT WASHER
11	1	651232	MUFFLER
12	2	680550	MAXI BRIDGE PLATE
13	1	680549*	CAT 3011C MAXI GENERATOR MOUNT PLATE (for Baldor and Marathon)
14	4	046096	3/8 - 16 NC X 3" GRADE 8 BOLT
15	4	046126	3/8 - 16 NC X 1-3/4" GRADE 8 BOLT
16	4	042031	8mm X 1.25 X 25mm HEX BOLT
17	4	043055	5/16" PLATED SPLIT LOCK WASHER
18	1	**	MUFFLER GASKET
19	1	650592	BALDOR 6 KW GENERATOR
	1	640144	BALDOR 8 KW GENERATOR
	1	654000	8Kw AVR MARATHON GENERATOR
NS	1	100898	FUEL WATER SEPERATOR
NS	1	101022P	WATER SEPERATOR BRACKET

LEGEND: NS= Not Shown

\*\* =Purchase locally

\* Use these codes to designate color needed:

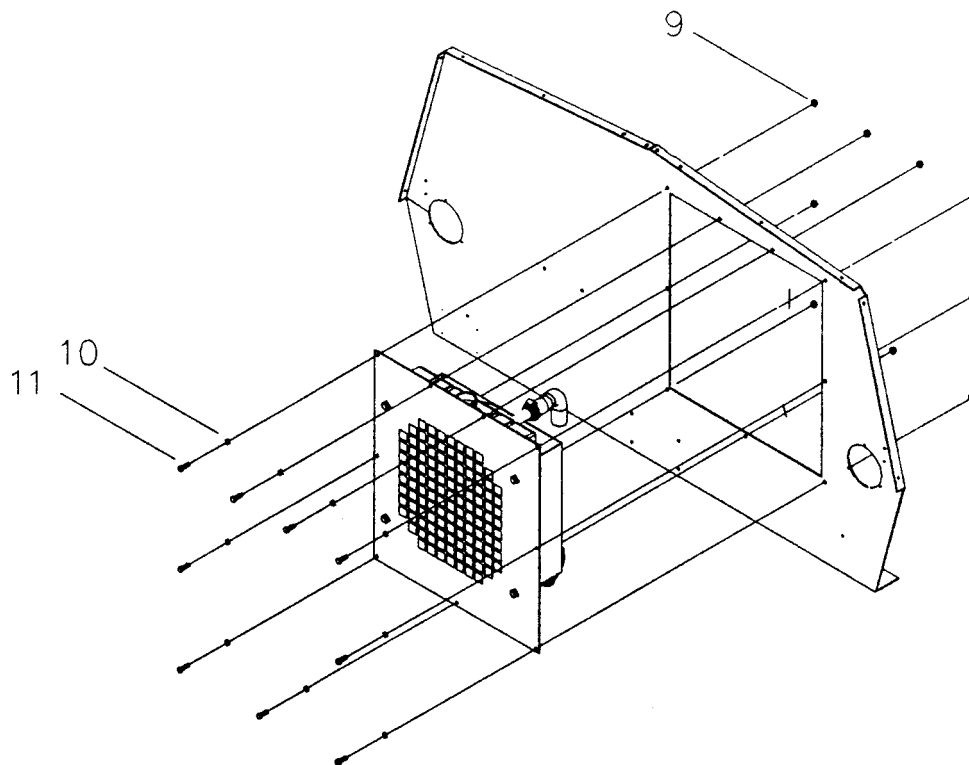
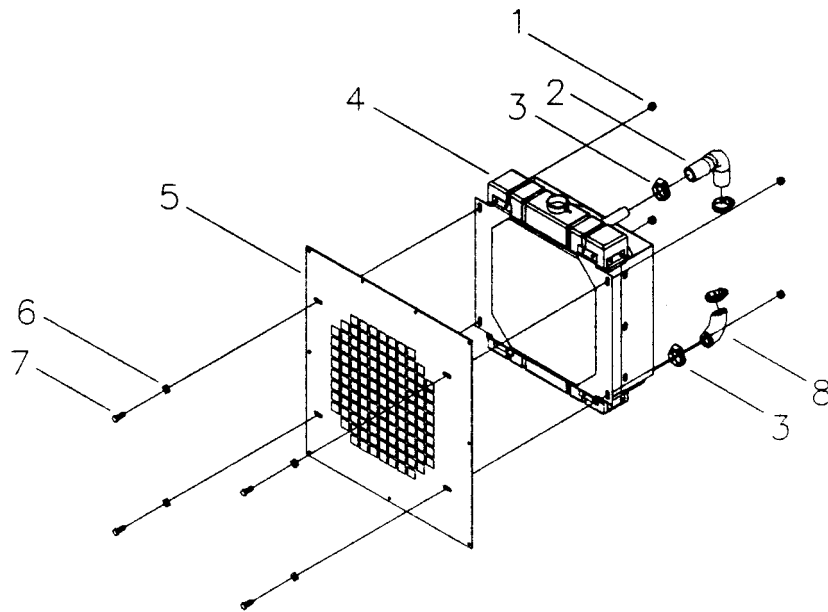
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### KUBOTA RADIATOR AND MOUNTING PLATE

C-5A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### KUBOTA RADIATOR AND MOUNTING PLATE

C-5B

NO	REQ'D	PART NO	DESCRIPTION
1	4	**	3/8 - 16 NC KEPS NUT
2	1	@@@	UPPER RADIATOR HOSE
3	4	045035	#20 HOSE CLAMP
4	1	Call Factory	KUBOTA RADIATOR
5	1	680122*	KUBOTA/PERKINS RADIATOR MOUNT PLATE
6	4	**	3/8 FLAT WASHER
7	4	**	3/8 - 16 NC X 1 GRADE 5 BOLT
8	1	@@@	LOWER RADIATOR HOSE
9	9	**	5/16 - 18 NC KEPS NUT
10	9	**	1/4 FLAT WASHER
11	9	**	5/16 - 18 NC X 3/4 GRADE 5 BOLT

LEGEND: NS= Not Shown

\*\* =Purchase locally

\* Use these codes to designate color needed:

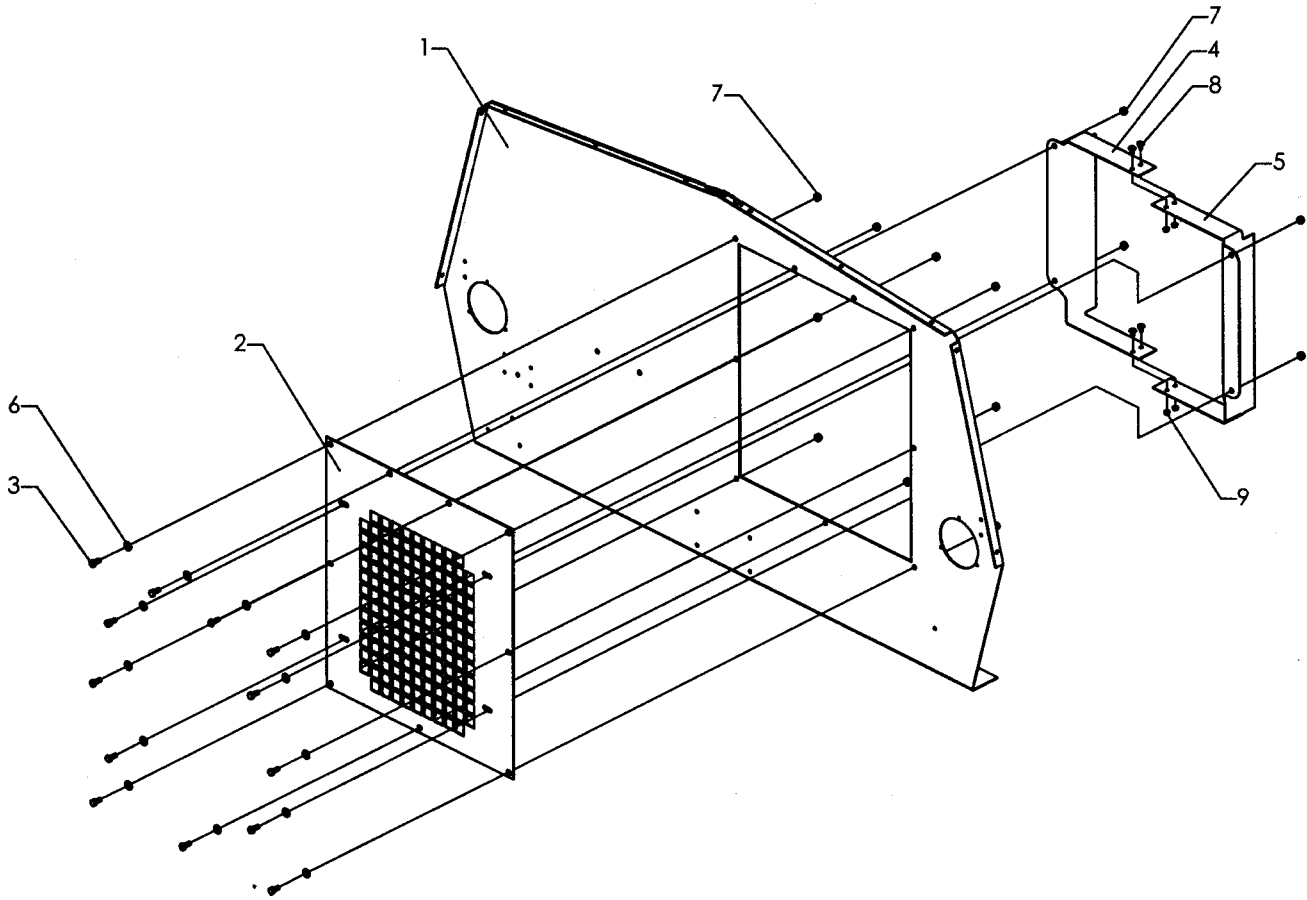
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### CAT 3011C RADIATOR MOUNTING PLATE

C-5C



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

C-5D

### CAT 3011C RADIATOR MOUNTING PLATE

NO	REQ'D	PART NO	DESCRIPTION
1	1	352000C	MAXI REAR PANEL
2	1	680552*	CAT 3011C RADIATOR PLATE
3	13	046045	5/16 - 18 NC X 3/4 GRADE 5 BOLT
4	1	680547	CAT 3011C RAD SHROUD LEFT SIDE
5	1	680548	CAT 3011C RAD SHROUD RIGHT SIDE
6	13	047010	5/16 FLAT WASHER
7	13	044031	5/16 - 18 NC PLATED KEPS NUT
8	4	041078	1/4 - 20 X 1/2" PLATED PHILLIPS TRUSS HEAD SCREW
9	4	044021	PLATED KEPS NUT

LEGEND: NS= Not Shown  
\*\* =Purchase locally

\* Use these codes to designate color needed:

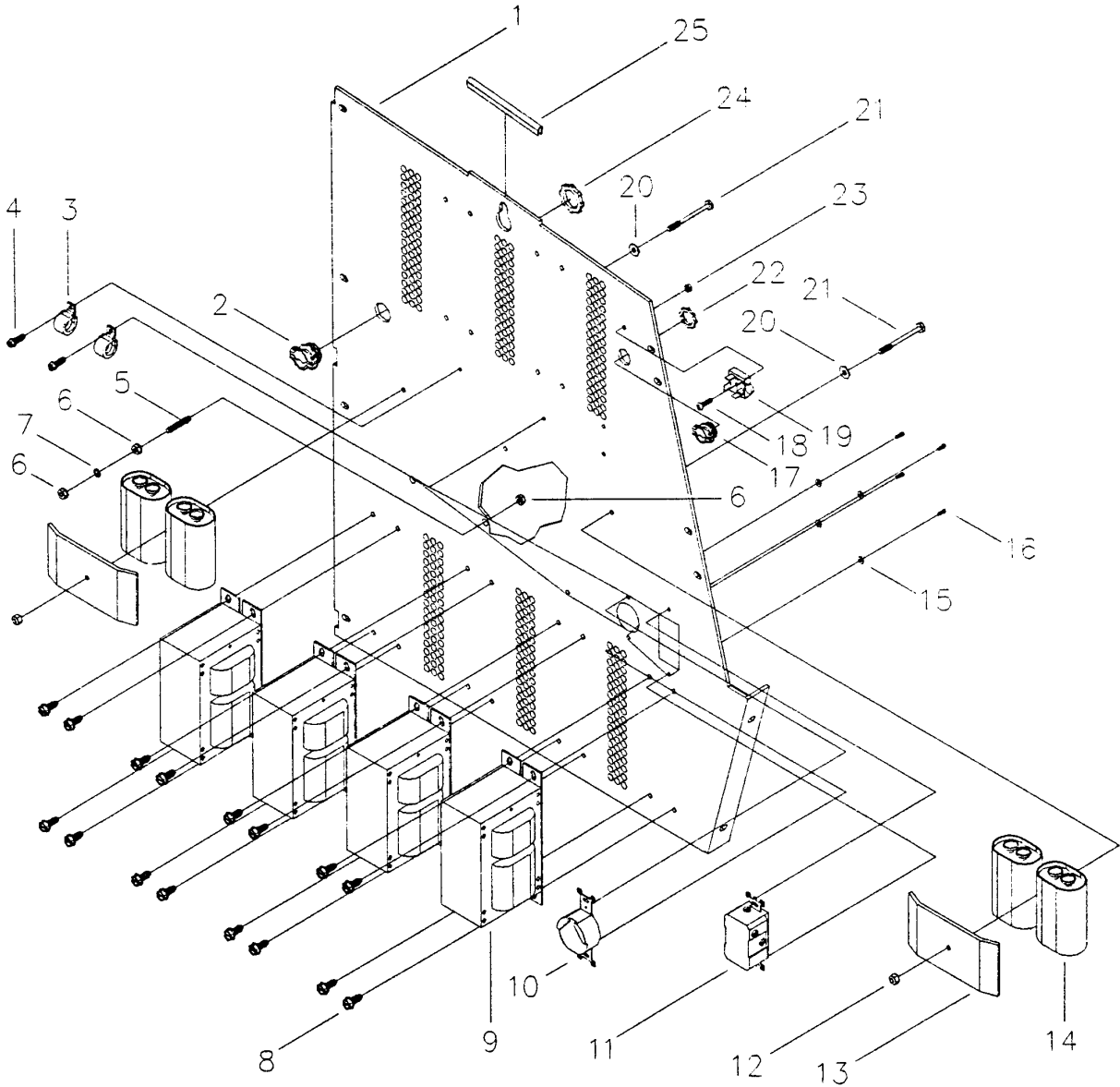
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### 4-LIGHT BALLAST ASSEMBLY

C-6A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### 4-LIGHT BALLAST ASSEMBLY

C-6B

NO	REQ'D	PART NO	DESCRIPTION
		310118	HPS TRANSFORMER, CAPACITOR, AND STARTER
		310119	HPS CAPACITOR AND STARTER ONLY
1	1	680119*	BALLAST PANEL, ONLY
2	1	022025	2-SCREW ROMEX CLAMP, 3/4
3	2	**	7/8 CUSHION CLAMP
4	2	**	1/4 - 20 NC SELF TAPPING SCREW
5	1	**	1/4 - 20 NC X 1 1/2 STUD BOLT
6	3	**	1 4 20 NC KEPS NUT
7	1	**	1 4 INTERNAL TOOTH LOCK WASHER
8	16	**	5/16 - 18 NC INTERNAL TOOTH LOCK WASHER
9	4	310124	TRANSFORMER ONLY
10	1	330490	RECEPTACLE 240V. 15A (6KW ONLY)
	1	330491	RECEPTACLE 250V. 30A (8KW ONLY)
		330501	RECEPTACLE 120V. 30A
11	1	630132A	RECEPTACLE 120V. GFCI
	1	330499	20 AMP DUPLEX GFCI (8KW ONLY)
NS	1	330432	RECEPTACLE COVER FOR GFCI RECEPTACLE
12	2	**	1/4 - 20 NC NYLON INSERT NUT
13	2	610570-03	DUAL CAPACITOR MOUNTING CLAMP
14	4	310115	CAPACITOR ONLY, 24 UF (for Models 683, 883, 895XL)
		310391	CAPACITOR ONLY, 28 UF (for Models 695 and 895)
15	4	**	#8 STAINLESS STEEL FLAT WASHER
16	4	**	#6 - 32 NC X 3/8 ROUND HEAD SCREW
17	1	022020	2-SCREW ROMEX CLAMP, 3/8 (ELECTRIC WINCH)
S	1	711029	7/8 HOLE PLUG (MANUAL WINCH)
18	1	**	#10 - 24 NC X 3/4 ROUND HEAD SCREW
19	1	630157A	BRIDGE ASSEMBLY (ELECTRIC WINCH)
S		352466	2 AMP BREAKER (USED W/630157A)
20	2	**	1/4 FLAT WASHER
21	2	**	1/4 - 20 NC X 24 GRADE 5 BOLT
22	1	022034	STEEL LOCK NUT, 3/8"
23	1	**	#10 - 24 NC KEPS NUT
24	1	022036	STEEL LOCK NUT, 3/4"
25	1	030054	RUBBER EDGE TRIM 3/16 X 5" LONG

LEGEND: NS= Not Shown

\*\* =Purchase locally

\* Use these codes to designate color needed:

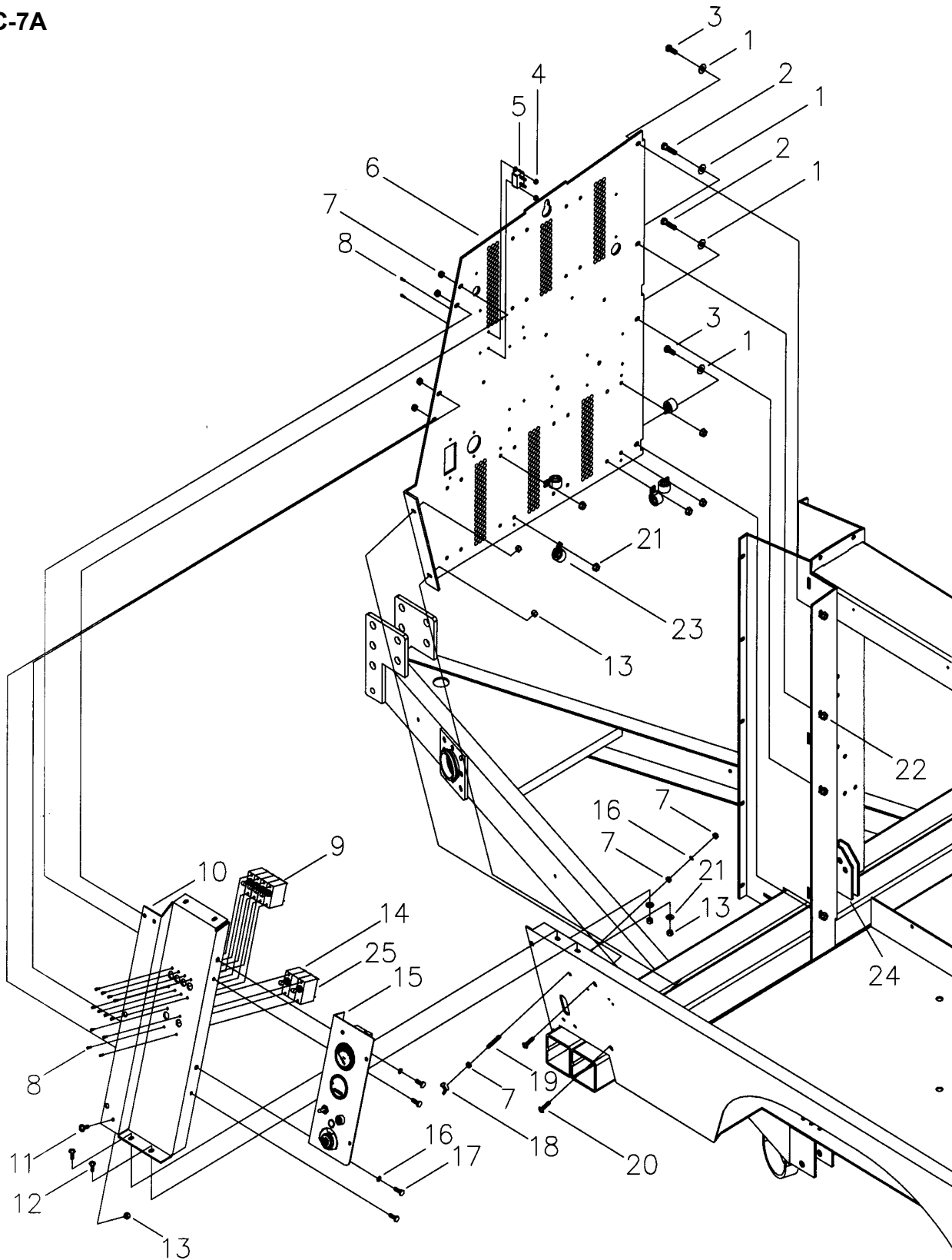
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### 4-LIGHT AC GAUGE PANEL ASSEMBLY

C-7A





# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### 4-LIGHT AC GAUGE PANEL ASSEMBLY

C-7B

NO	REQ'D	PART NO	DESCRIPTION
1	4	**	5/16 FLAT WASHER
2	2	**	5/6 - 18 NC X 1 1/4 GRADE 5 BOLT
3	2	**	5/6 - 18 NC X 3/4 GRADE 5 BOLT
4	2	**	#6 - 32 NC KEPS NUT
5	1	650139	30 AMP CIRCUIT BREAKER, KUBOTA ONLY
6	1	680119*	BALLAST PANEL, ONLY
7	7	**	1/4-20 NC KEPS NUT
8	14	**	#6-32 NC X 3/8 ROUND HEAD SCREW
9	4	330458	CIRCUIT BREAKER SWITCH, 15 AMP SP
10	1	680118*	LEFT QUARTER PANEL 4-LIGHT
11	1	**	1/4 - 20 NC X 1 ROUND HEAD NYLON SCREW
12	2	**	1/4 - 20 NC X 3/4 SCREW
13	3	**	1/4 - 20 NC NYLON INSERT NUT
14	1	330459	CIRCUIT BREAKER SWITCH , 15 AMP DP (6KW ONLY)
	1	330453	CARLING SWITCH 20 AMP SP (8KW ONLY)
15	1	680123*	KUBOTA DC GAUGE PANEL
		680129*	PERKINS DC GAUGE PANEL
16	3	**	1/4 INTERNAL TOOTH LOCK WASHER
17	4	**	1/4 - 20 NC X 3/4 GRADE 5 BOLT
18	1	**	1/4 - 20 NC WING NUT
19	1	**	1/4 - 20 NC X 1 1/2 STUD
20	2	**	1/4 - 20 NC X 1 SCREW
21	2	**	1/4 STAINLESS STEEL FLAT WASHER
22	9	**	5/16 - 18 NC KEPS NUT
23	5	022024	3/4" CUSHION CLAMP WITH 3/8 HOLE
24			PULLEY BRACKET (NOTE: USE LOWER HOLE FOR MANUAL WINCH AND UPPER HOLE FOR ELECTRIC WINCH)
25	1	330458	CARLING SWITCH, 15 AMP DP (6KW ONLY)
	1	330456	CARLING SWITCH, 30AMP DP (8KW ONLY)

LEGEND: NS= Not Shown

\*\* =Purchase locally

\* Use these codes to designate color needed:

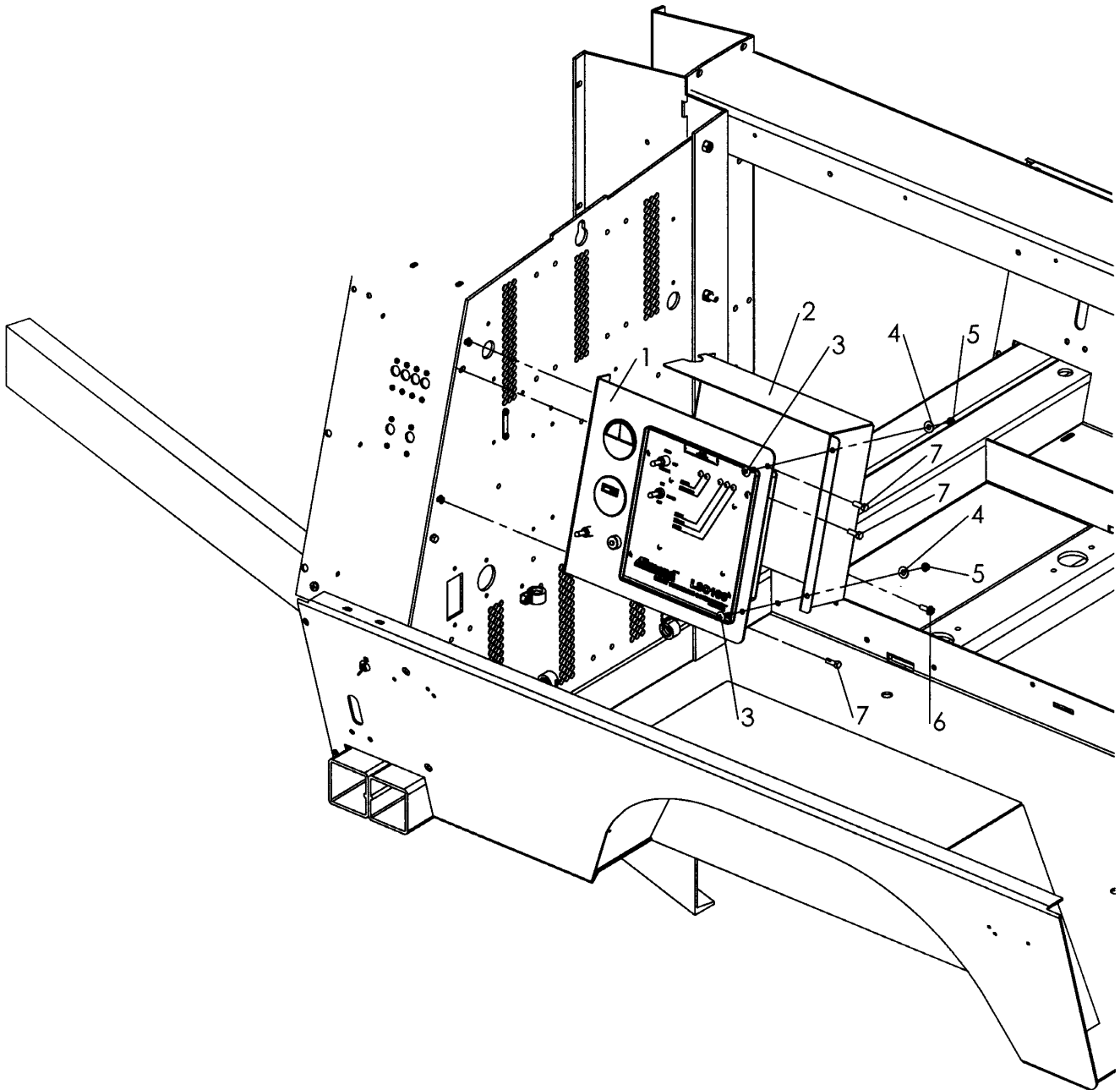
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### 4-LIGHT AC GAUGE PANEL AND LSC 100 LIGHT SEQUENCE COMMANDER CONTROLLER PANEL ASSEMBLY

C-7C



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### 4-LIGHT AC GAUGE PANEL AND LSC 100 LIGHT SEQUENCE COMMANDER CONTROLLER PANEL ASSEMBLY

C-7D

NO	REQ'D	PART NO	DESCRIPTION
1	1	680391	LSC 100 CONTROL PANEL ASSEMBLY (STANDARD)
		680392	PANEL FOR ELECTRIC OR HYDRAULIC TOWERS (OPTIONAL)
2	1	650715	LSC 100 COVER BACK
3	2	041050	1/4 - 20 NC X 3/4 ROUND HEAD SCREW
4	2	047005	1/4" FLAT WASHER
5	2	044021	1/4" KEPS NUT
6	1	041070	1/4 - 20 NC X 3/4 MACHINE SCREW
7	3	046010	1/4 - 20 NC X 3/4 HEX BOLT

LEGEND: NS= Not Shown

\*\* =Purchase locally

\* Use these codes to designate color needed:

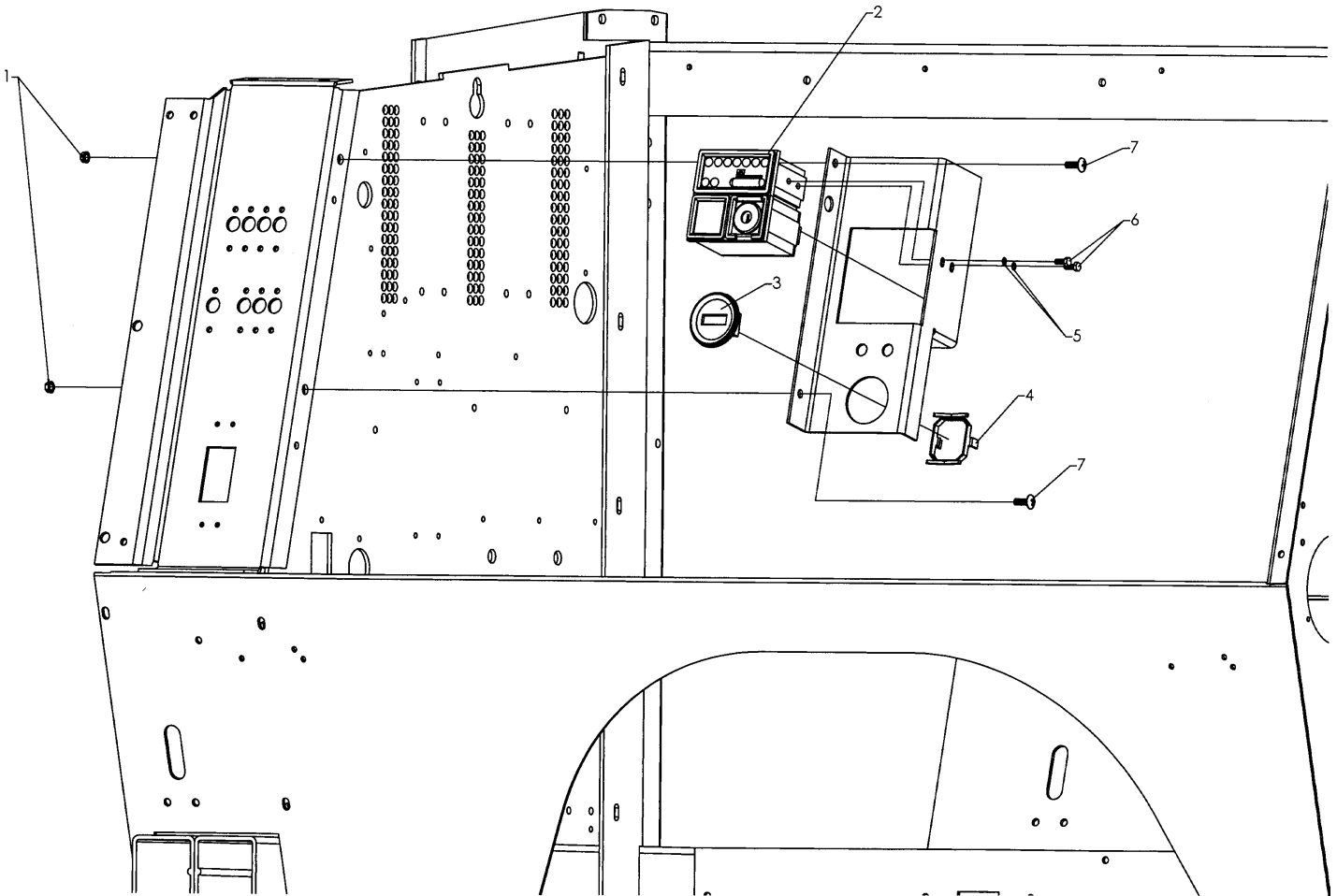
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### LOMBARDINI GAUGE PANEL ASSEMBLY

C-7E



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### LOMBARDINI GAUGE PANEL ASSEMBLY

C-7F

NO	REQ'D	PART NO	DESCRIPTION
1	2	044021	1/4" KEPS NUT
2	1	@@@@@	LOMBARDINI CONTROL PANEL
3	1	340014	HOUR METER
4	1	***	HOUR METER RETAINING BRACKET
5	2	**	#10 INTERNAL TOOTH LOCK WASHER
6	2	**	5mm X .8 X 12mm HEX CAP SCREW
7	2	**	1/4 - 20 NC X 3/4 PHILLIPS HEAD TRUSS SCREW

LEGEND: NS= Not Shown

    \*\* =Purchase locally

    \*\*\*=Comes with Hour Meter

    @@@@@=See Lombardini Dealer

\* Use these codes to designate color needed:

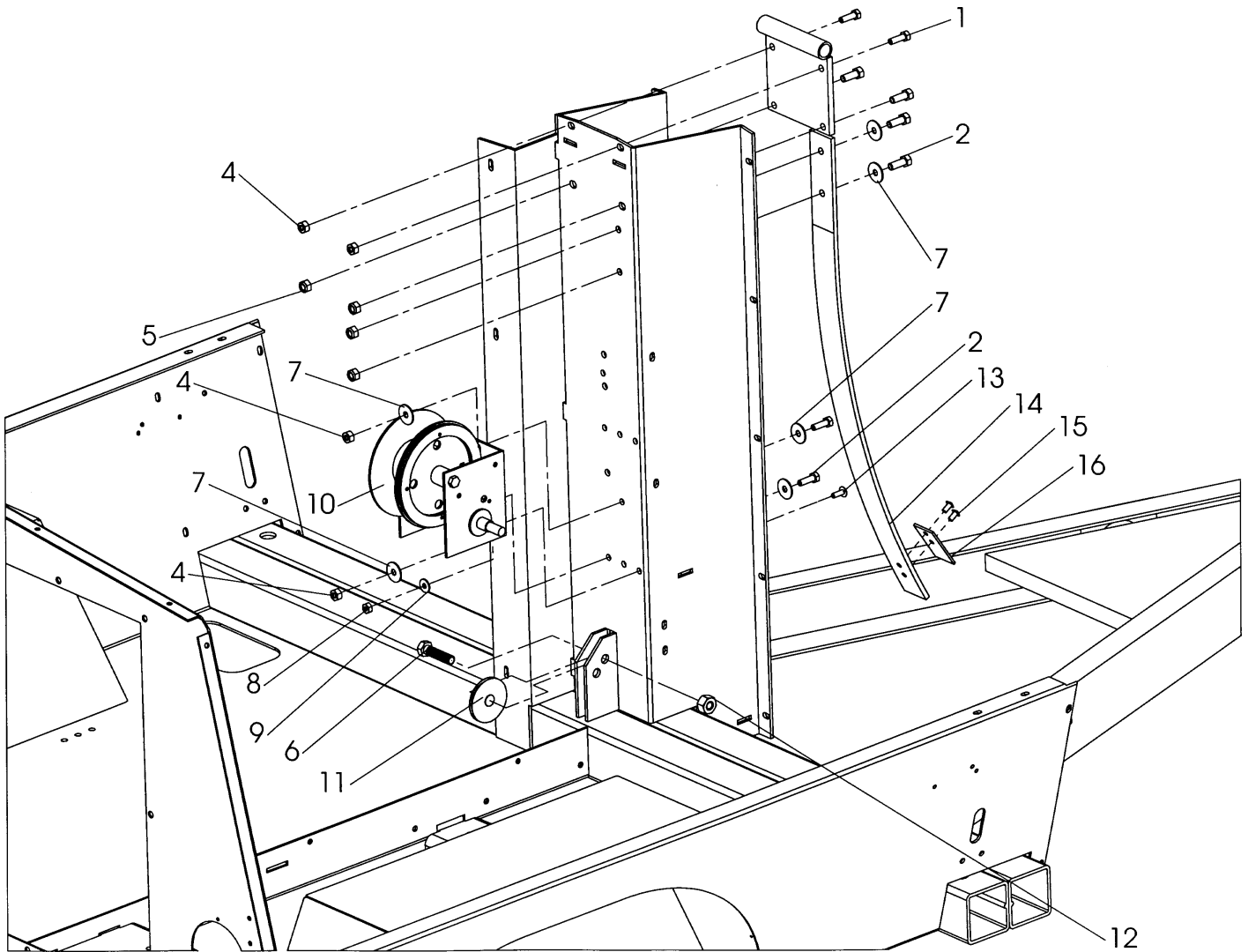
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### MANUAL WINCH, WINCH HANDLE, AND TOWER SUPPORT ASSEMBLY

C-8A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

C-8B

### MANUAL WINCH, WINCH HANDLE, AND TOWER SUPPORT ASSEMBLY

NO	REQ'D	PART NO	DESCRIPTION
1	4	046050	5/16 -18 NC X 1 GRADE 5 BOLT
2	4	046110	3/8 - 16 NC X 1 GRADE 5 BOLT
3	1	680111*	TOWER PIVOT WELDMENT
4	4	044031	5/16 - 18 NC KEPS NUT
5	4	044036	3/8 -16 NC KEPS NUT
6	1	046200	1/2 - 13 NC X 2 1/4 GRADE 5 BOLT
7	6	047010	5/16 FLAT WASHER
8	4	044021	1/4 - 20 NC KEPS NUT
9	1	047005	1/4 FLAT WASHER
10	1	352482	WINCH, PLATED 2500 LBS
11	1	320112	2 1/2 PULLEY W/BUSHING
12	1	044048	1/2 - 13 NC NYLON INSERT NUT
13	1	041050	1/4 - 20 NC X 3/4 SS TRUSS HEAD BOLT
14	1	630555*	TOWER KICK OUT SPRING
15	2	045118	1/4" RIVET
16	1	650621	KICKOUT SPRING PAD

LEGEND: NS= Not Shown

\*\* = Purchase locally

\* Use these codes to designate color needed:

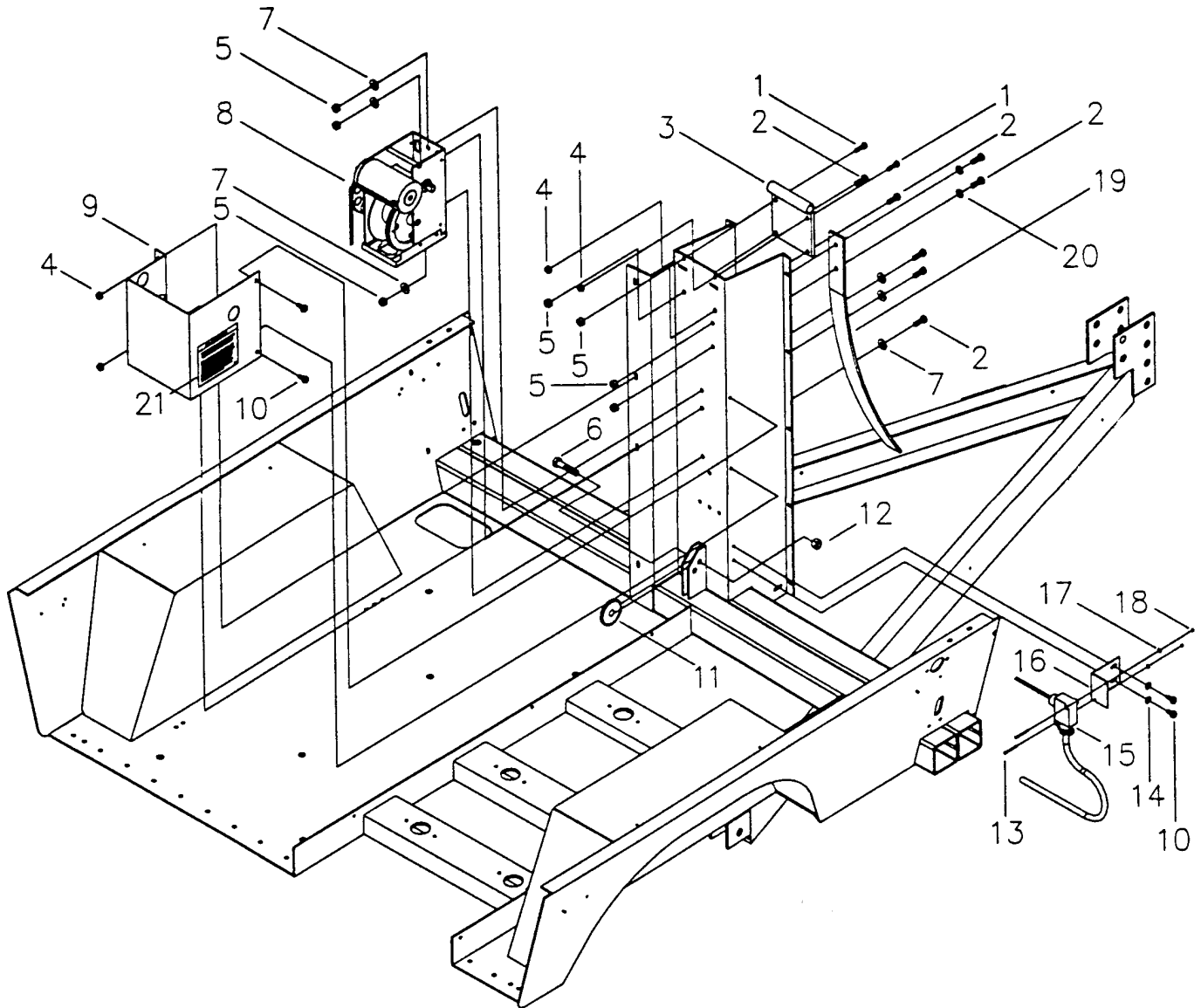
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

ELECTRIC WINCH, SLACK LIMIT SWITCH, AND TOWER SUPPORT ASSEMBLY

C-8C





# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

C-8D

### ELECTRIC WINCH, SLACK LIMIT SWITCH, AND TOWER SUPPORT ASSEMBLY

NO	REQ'D	PART NO	DESCRIPTION
1	2	**	5/16 -18 NC X 1 GRADE 5 BOLT
2	7	**	3/8 - 16 NC X 1 GRADE 5 BOLT
3	1	680111*	TOWER PIVOT WELDMENT
4	4	**	5/16 - 18 NC KEPS NUT
5	7	**	3/8 -16 NC KEPS NUT
6	1	**	1/2 - 13 NC X 2 1/4 GRADE 5 BOLT
7	6	**	3/8 FLAT WASHER
8	1	630157	STRONG ARM ELECTRIC WINCH
9	1	680142*	STRONG ARM WINCH COVER
10	4	**	5/16 - 18 NC SELF TAPPING SCREW
11	1	320112	2 1/2 PULLEY W/BUSHING
12	1	**	1/2 - 13 NC NYLON INSERT NUT
13	2	**	#6 - 32 NC X 1 1/2 ROUND HEAD SCREW
14	2	**	1/4 FLAT WASHER
15	1	466093	SLACK LIMIT SWITCH
16	1	352056*	SLACK LIMIT SWITCH MOUNT BRACKET
17	2	**	#6 FLAT WASHER
18	2	**	#6 - 32 NC HEX NUT
19	1	352089*	TOWER KICK OUT SPRING
20	2	**	5/16 FLAT WASHER
21	1	090232	DECAL-CORRECT WINCH OPERATION
A.S.(NS)	1	352151	OPTIONAL WORKLIGHT
A.S.(NS)	1	352146	WORKLIGHT MOUNTING BRACKET

LEGEND: NS= Not Shown  
 \*\* = Purchase locally

\* Use these codes to designate color needed:

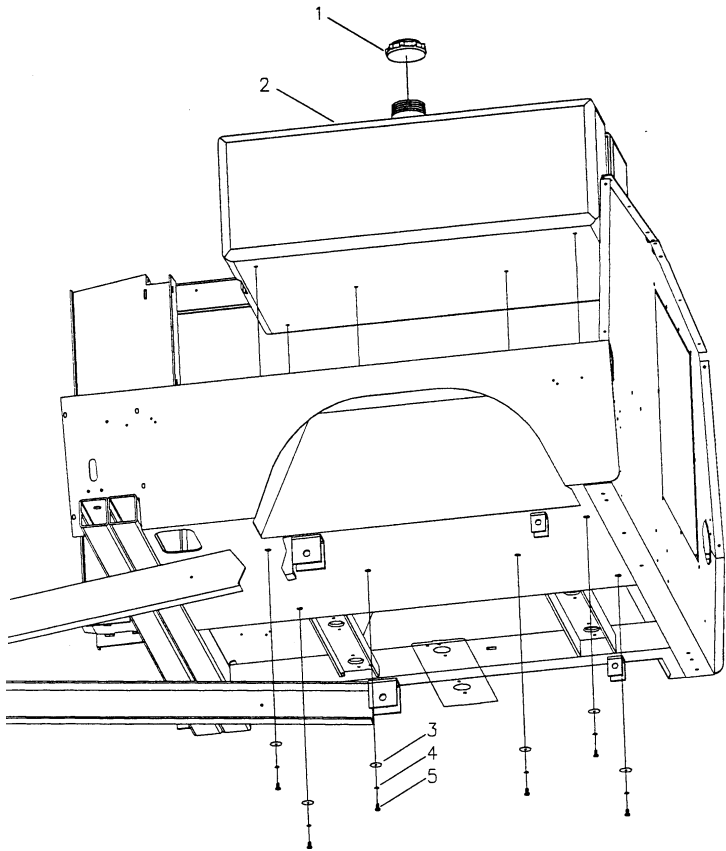
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

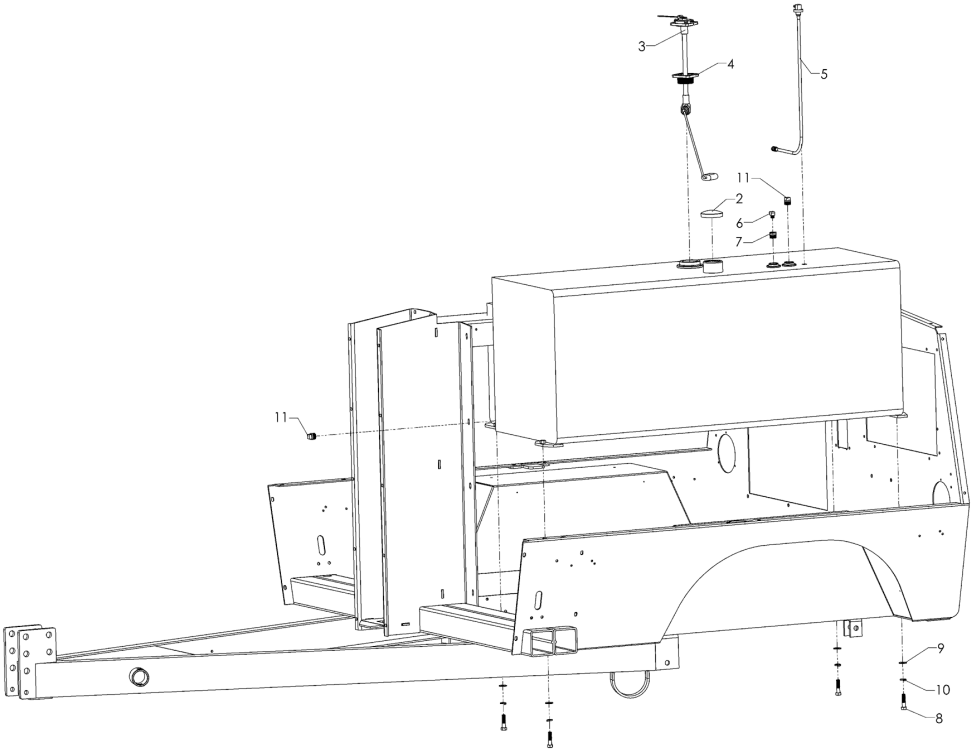
### 50 GALLON FUEL TANK ASSEMBLY

C-9A



### 70 GALLON FUEL TANK ASSEMBLY

C-9A2



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### 50 GALLON FUEL TANK ASSEMBLY

C-9B

NO	REQ'D	PART NO	DESCRIPTION
1	1	340441	FUEL TANK FILLER CAP
2	1	340440	FUEL TANK, 50 GALLON
3	6	**	1/4 X 1 1/4 FENDER WASHER
4	6	**	1/4 INTERNAL TOOTH LOCK WASHER
5	6	**	1/4 - 20 NC X 1/2 GRADE 5 BOLT

### 70 GALLON FUEL TANK ASSEMBLY

NO	REQ'D	PART NO	DESCRIPTION	C-9B2
1	1	100024	70 GALLON FUEL TANK	
2	1	100380	FUEL TANK CAP 2.25" NECK BEFORE 1/08	
	1	100854	FUEL TANK CAP 4.3" NECK AFTER 1/08	
3	1	100025	FUEL LEVEL GAUGE/SENDER	
4	1	848967	GAUGE ADAPTER	
5	1	340025	FUEL SUCTION TUBE ASSEMBLY	
6	1	713050	90° 1/8 NPT X 1/4" PUSH LOCK FITTING	
7	1	100358	3/8 NPT X 1/8 NPT REDUCING BUSHING	
8	4	046120	3/8-16 X 1 1/2" GR 5 HEX BOLT	
9	4	047010	5/16" PLATED FLAT WASHER	
10	4	043065	3/8" SPLIT LOCK WASHER	
11	2	**	3/8" NPT PIPE PLUG	

\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

LEGEND: NS= Not Shown

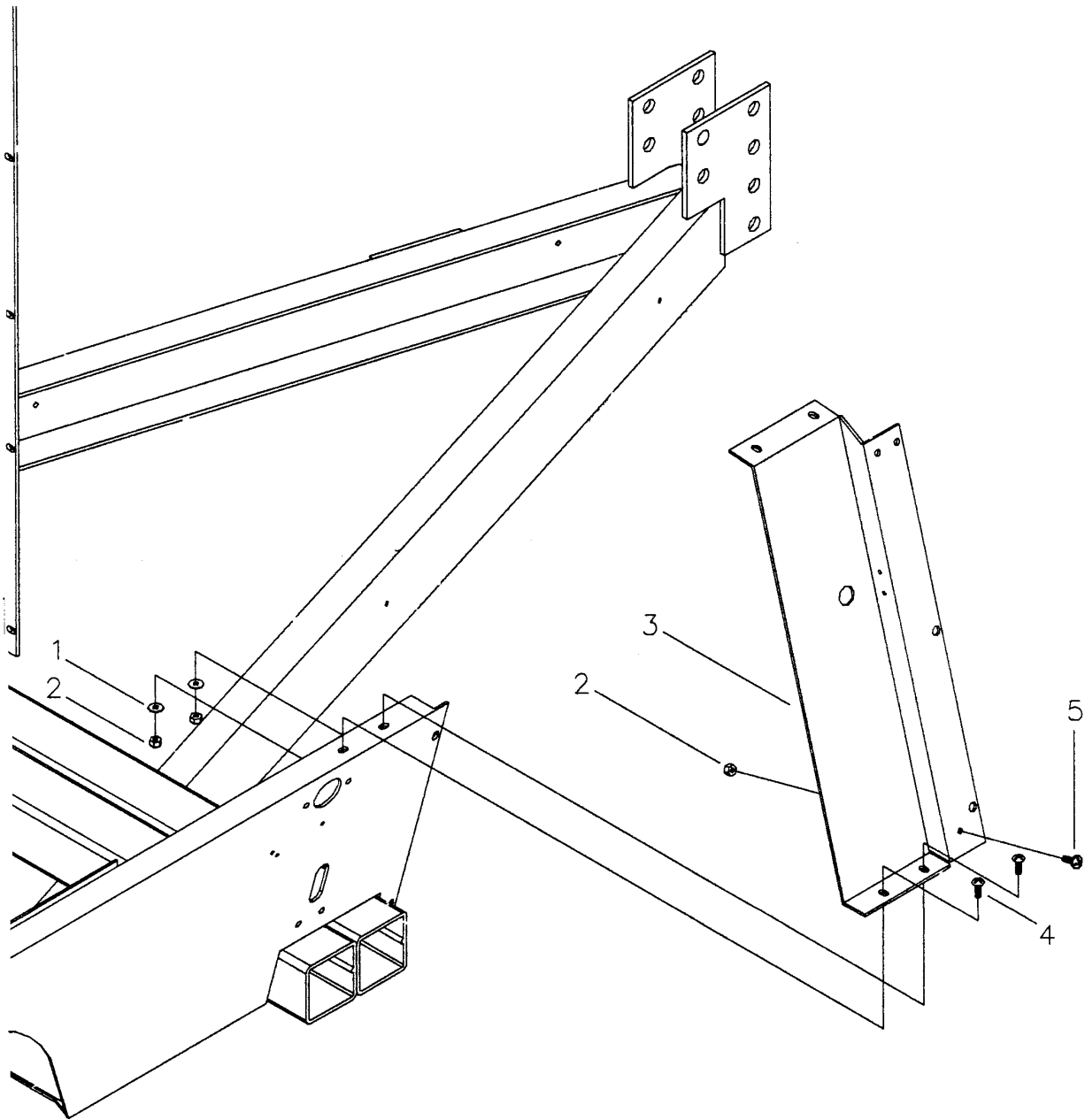
\*\* = Purchase locally

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### RIGHT QUARTER PANEL ASSEMBLY

C-10A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

RIGHT QUARTER PANEL ASSEMBLY

C-10B

NO	REQ'D	PART NO	DESCRIPTION
1	2	**	1/4 STAINLESS STEEL FLAT WASHER
2	3	**	1/4 -20 NC NYLON INSERT NUT
3	1	680108*	RIGHT QUARTER PANEL
4	2	**	1/4 - 20 NC X 3/4 SCREW
5	1	**	1/4 - 20 NC X 1 ROUND HEAD NYLON SCREW
NS	1	830165	SNAP SWITCH
NS	1	711028	9/16 X 7/8 GROMMET
NS	2	**	#6 X 1 1/2 TRUSS HEAD CAP SCREW
NS	2	**	#6 KEPS NUT

LEGEND: NS= Not Shown

\*\* = Purchase locally

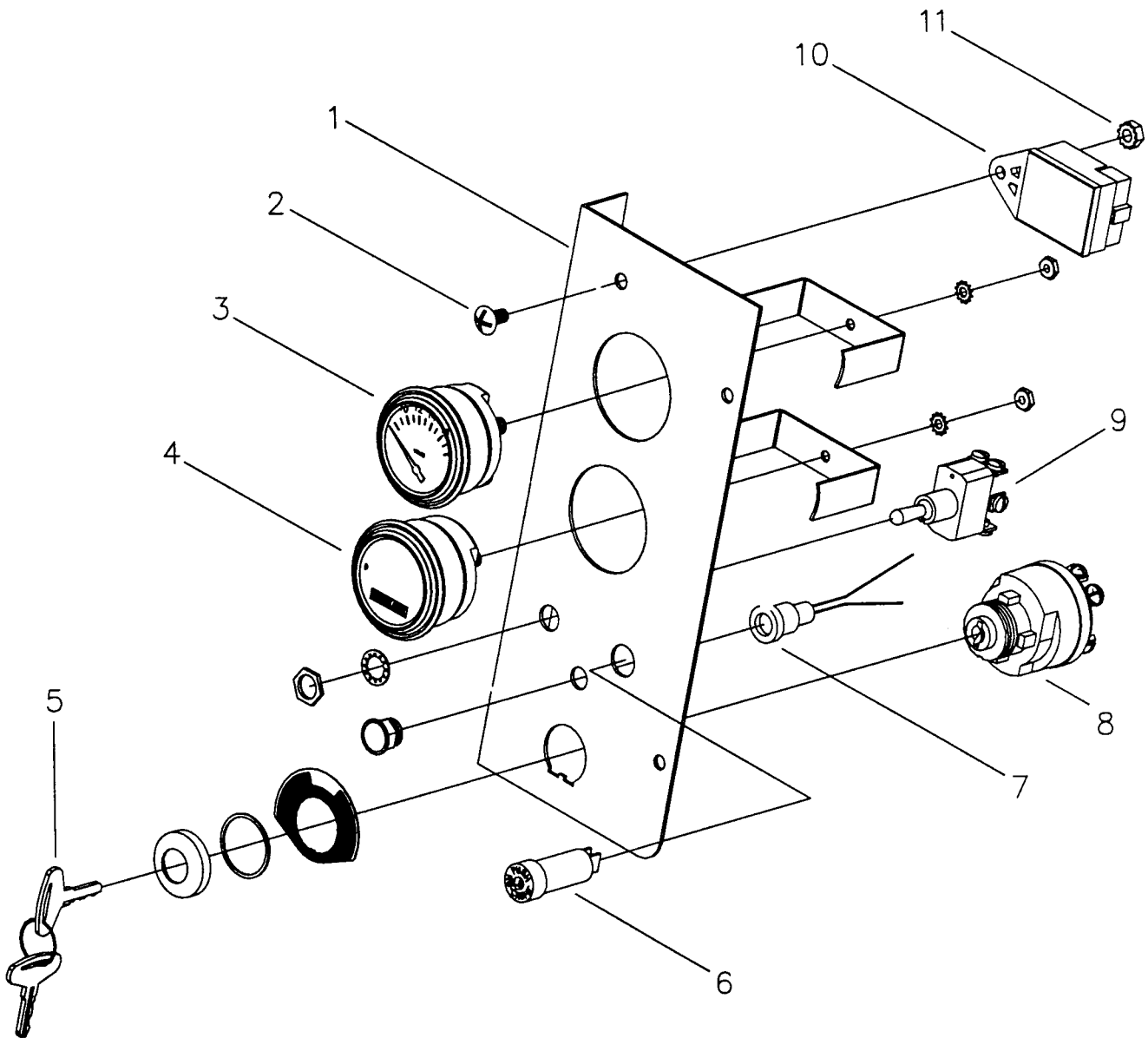
\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES KUBOTA/ PERKINS ENGINE DC GAUGE PANEL ASSEMBLY

C-11A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### KUBOTA/PERKINS ENGINE DC GAUGE PANEL ASSEMBLY

C-11B

NO	REQ'D	PART NO	DESCRIPTION
1	1	680123*	KUBOTA DC GAUGE PANEL
	1	680129*	PERKINS DC GAUGE PANEL
2	1	**	1/4 - 20 NC X 1/2 SCREW
3	1	340413	VOLT METER
4	1	340014	HOUR METER, 12 VOLT
5	1	920474	IGNITION KEY (KUBOTA)
	1	650307	IGNITION KEY (PERKINS)
6	1	352466	2 AMP CIRCUIT BREAKER (ELECTRIC WINCH ONLY)
7	1	@@@	GLOW PLUG LAMP (KUBOTA)
	1	@@@@	GLOW PLUG LAMP (PERKINS)
8	1	920475	KUBOTA KEY SWITCH W/2 KEYS
	1	650306	PERKINS KEY SWITCH W/2 KEYS
9	1	310544	DPDT MOMENTARY CONTACT SWITCH
10	1	@@@	GLOW LAMP TIMER (KUBOTA)
	1	@@@@	REGULATOR (PERKINS)
11	1	**	1/4 - 20 NC KEPS NUT
NS	1	650363*	GAUGE PANEL COVER KUBOTA
NS	1	352344*	GAUGE PANEL COVER PERKINS

LEGEND: NS= Not Shown

\*\* = Purchase locally

@@@ = See local Kubota Dealer

@@@@ = See local Perkins Dealer

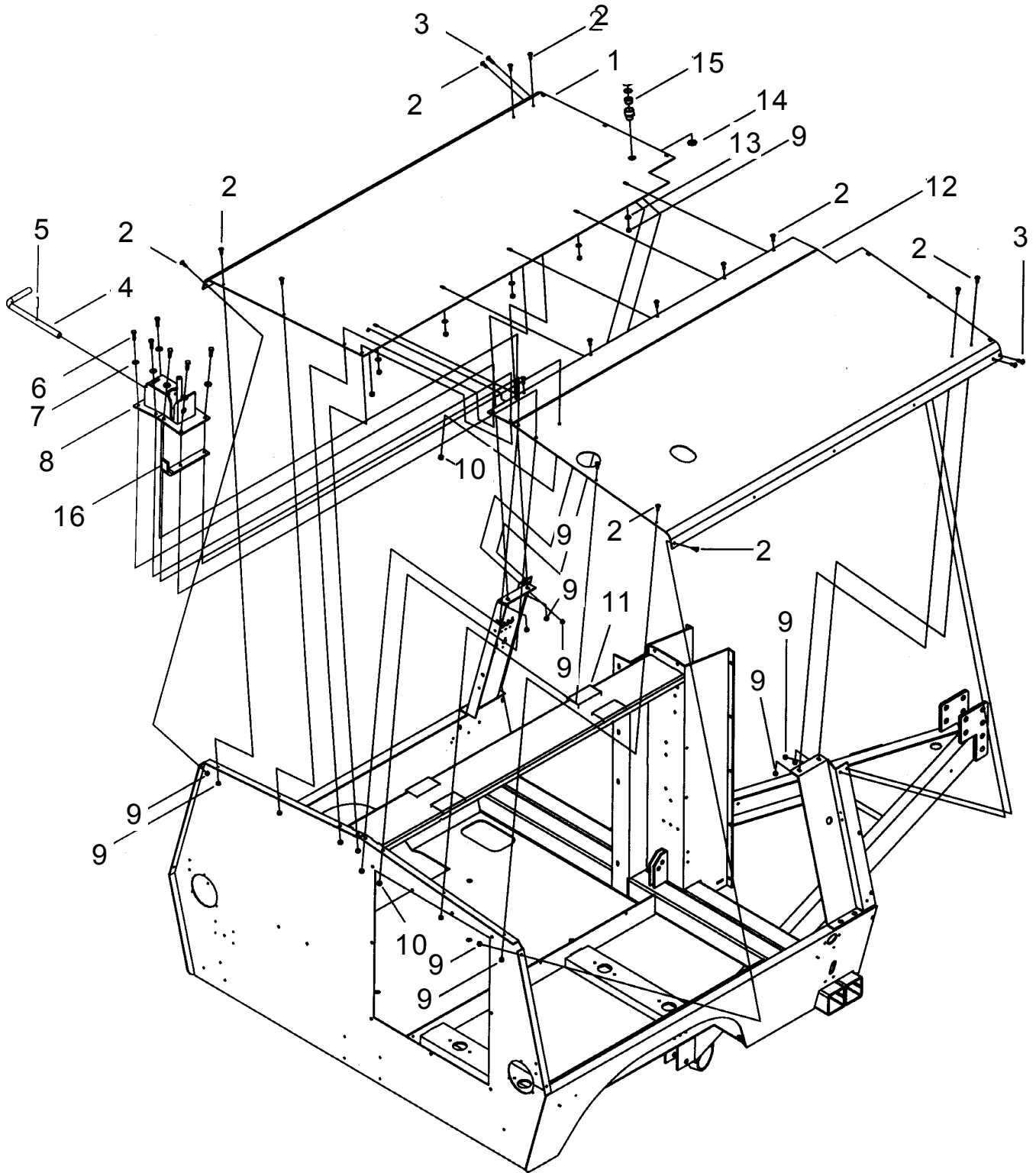
\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES ROOF PANEL AND REAR TOWER SUPPORT ASSEMBLY

C-12A





# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### ROOF PANEL AND REAR TOWER SUPPORT ASSEMBLY

C-12B

NO	REQ'D	PART NO	DESCRIPTION
1	1	680106*	LEFT ROOF PANEL
2	15	041050	1/4 - 20 NC X 3/4 SCREW
3	2	041080	1/4 - 20 NC X 1 SCREW
4	1	330450	REAR TOWER SUPPORT PIN
5	1	045156	1/4 X 2 ROLL PIN
6	6	046050	5/16 - 18 NC X 1 GRADE 5 BOLT
7	6	047010	5/16 FLAT WASHER
8	1	680110P	REAR TOWER SUPPORT
		680540	REAR TOWER SUPPORT EXTENDED (Optional)
9	17	044023	1/4-20 NC NYLON INSERT NUT
10	6	044033	5/16-18 NC NYLON INSERT NUT
11	4	030007	RUBBER PAD 1 1/4 X 7/16 X 4
12	1	101006P	RIGHT ROOF PANEL
	1	352159P	RIGHT ROOF PANEL (PERKINS)
13	5	047008	1/4 STAINLESS STEEL FLAT WASHER
14	1	022035	STEEL LOCK NUT, 1/2"
15	1	310033	1/2" CORD GRIP
16	1	680105	CORD HOLDER (STRAIGHT CORD ONLY)

LEGEND: NS= Not Shown

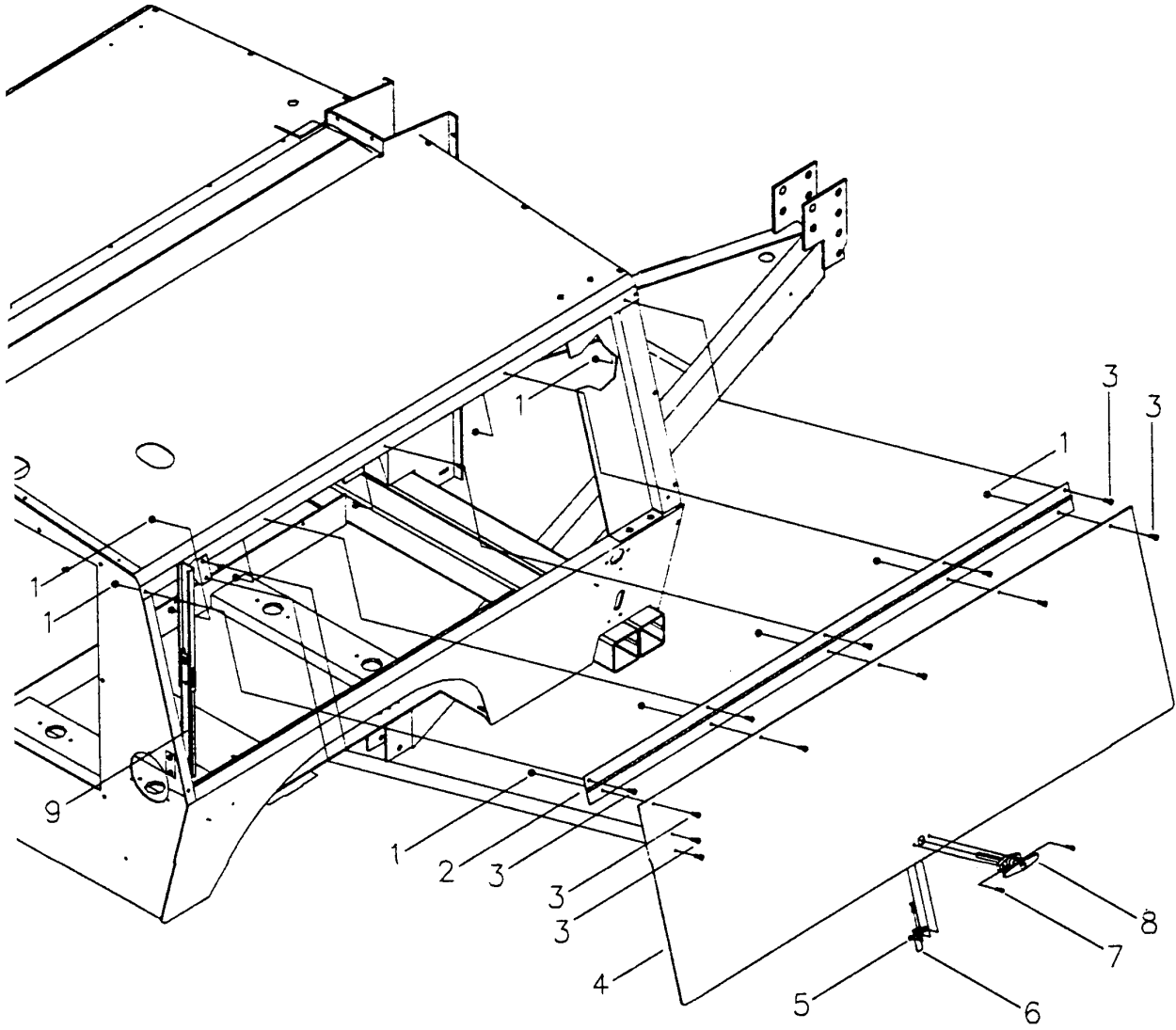
\*\* = Purchase locally

\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

**MAXI-LITE SERIES**  
**TRAILER ASSEMBLY PARTS AND ACCESSORIES**  
**RIGHT AND LEFT DOOR PANEL ASSEMBLY**

C-13A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### RIGHT AND LEFT DOOR PANEL ASSEMBLY

C-13B

NO	REQ'D	PART NO	DESCRIPTION
1	24	**	1/4 - 20 NC NYLON INSERT NUT
2	2	352023	DOOR HINGE
3	24	**	1/4 - 20 NC X 3/4 SCREW
4	1	680109*	RIGHT DOOR PANEL
NS	1	680114*	LEFT DOOR PANEL
5	4	**	#10 - 24 NC KEPS NUT
6	2	650132	LATCH CAM, W/SQUARE HEAD SET SCREW
7	4	**	#10 - 24 NC X 3/4 FLAT HEAD SCREW
8	2	650131	LOCKING T-HANDLE
9	2	352057	TELESCOPIC PROP

LEGEND: NS= Not Shown  
\*\* = Purchase locally

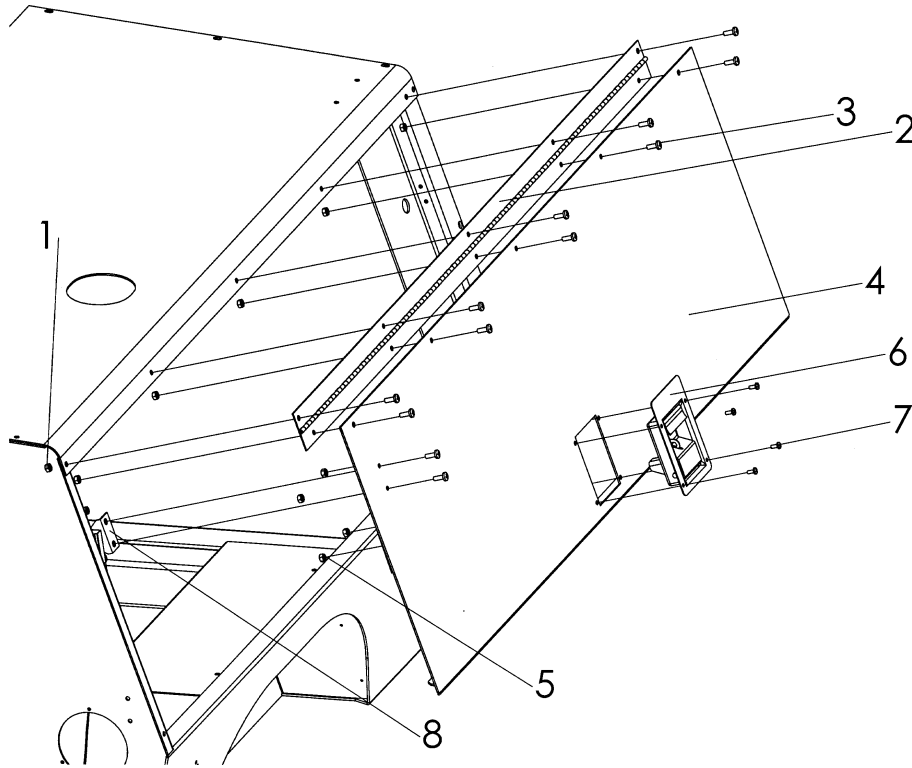
\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES TRAILER ASSEMBLY PARTS AND ACCESSORIES

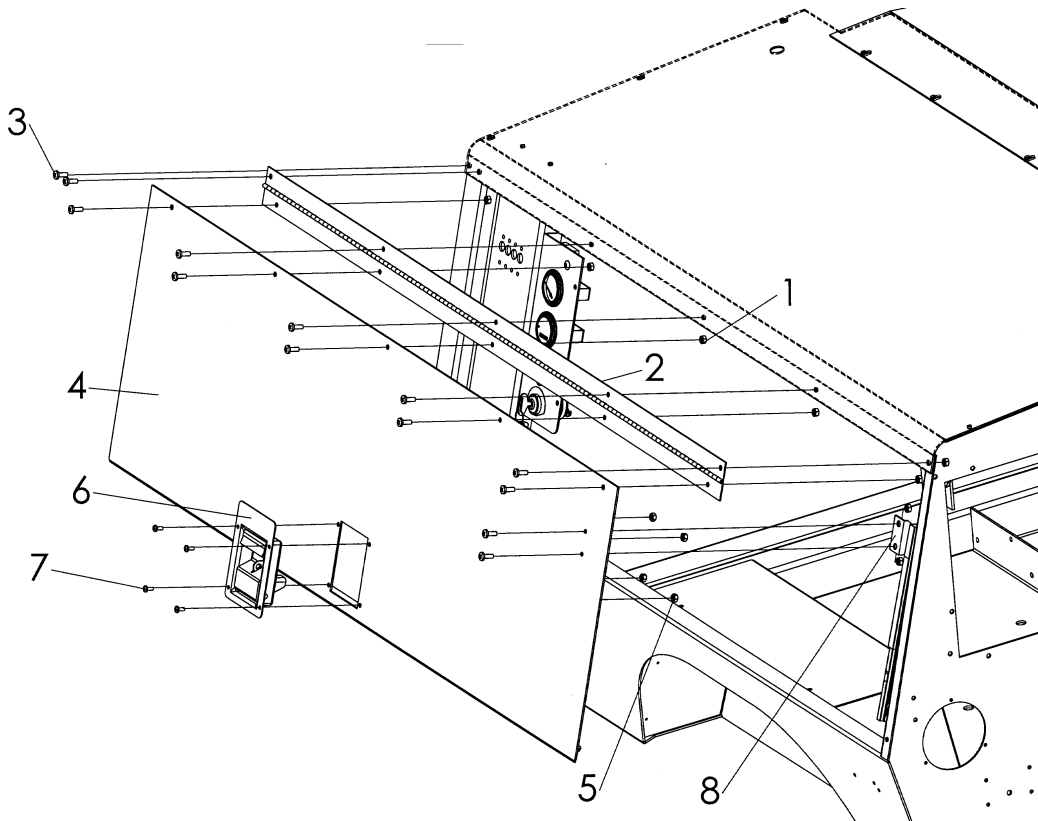
## RIGHT SLAM LATCH DOOR PANEL ASSEMBLY

C-13A2



C-13A3

## LEFT SLAM LATCH DOOR PANEL ASSEMBLY



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### RIGHT SLAM LATCH DOOR PANEL ASSEMBLY PARTS

C-13B2

NO	REQ'D	PART NO	DESCRIPTION
1	12	044023	1/4 - 20 NC NYLON INSERT NUT
2	1	352023	DOOR HINGE
3	12	041050	1/4 - 20 NC X 3/4 SCREW
4	1	680453*	RIGHT SLAM LATCH DOOR PANEL
5	4	044019	#10 - 24 NC NYLON INSERT NUT
6	1	680459	SLAM LATCH
7	4	**	#10 - 24 NC X 1/2 FLAT HEAD SCREW
8	1	352057	TELESCOPIC PROP

### LEFT SLAM LATCH DOOR PANEL ASSEMBLY PARTS

C-13B3

NO	REQ'D	PART NO	DESCRIPTION
1	13	044023	1/4 - 20 NC NYLON INSERT NUT
2	1	352023	DOOR HINGE
3	13	041050	1/4 - 20 NC X 3/4 SCREW
4	1	680444*	LEFT SLAM LATCH DOOR PANEL
5	4	044019	#10 - 24 NC NYLON INSERT NUT
6	1	680459	SLAM LATCH
7	4	**	#10 - 24 NC X 1/2 FLAT HEAD SCREW
8	1	352057	TELESCOPIC PROP

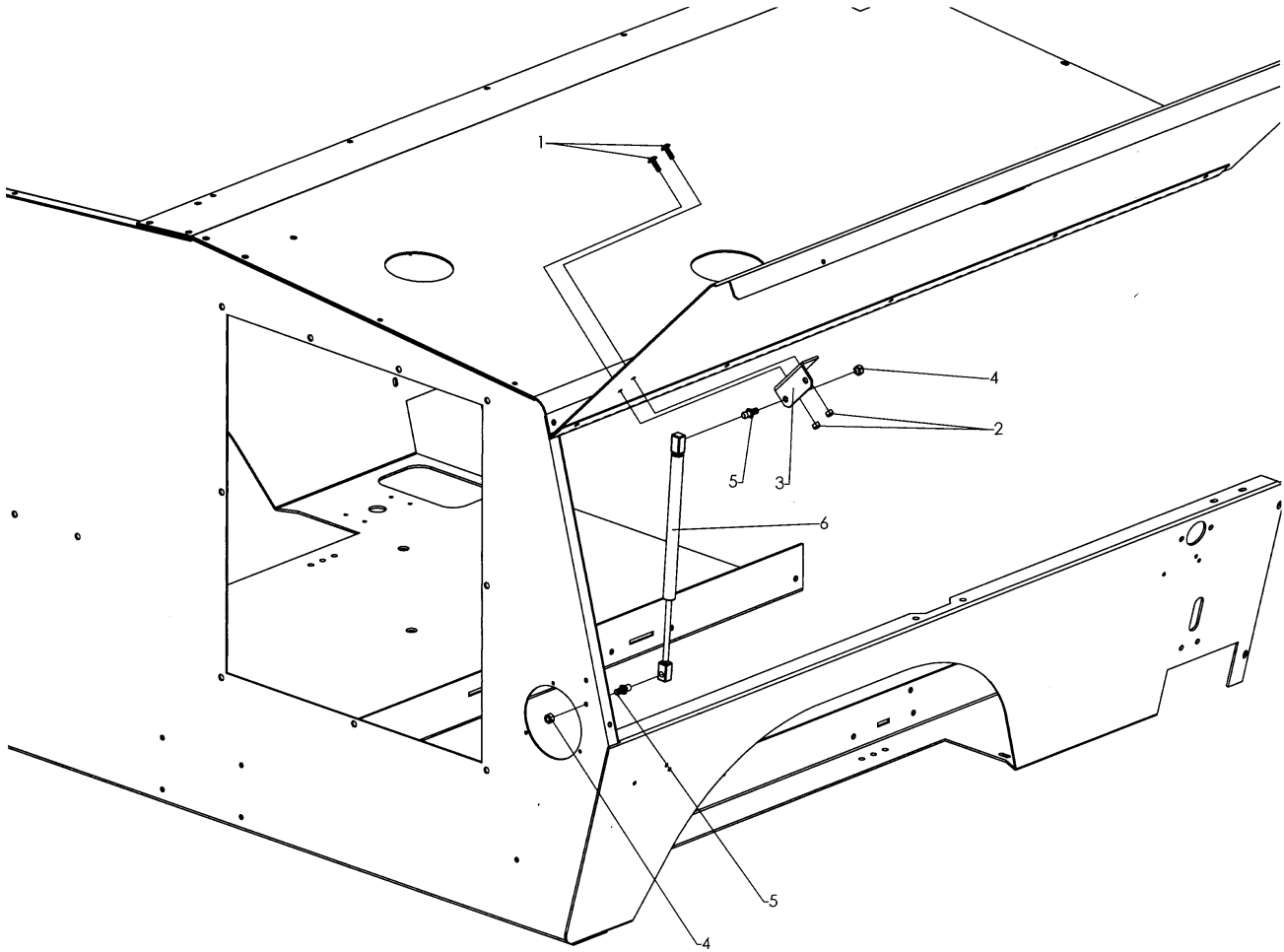
\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES TRAILER ASSEMBLY PARTS AND ACCESSORIES

## GAS SHOCK DOOR PROP ASSEMBLY

C-13C



**MAXI-LITE SERIES**  
**TRAILER ASSEMBLY PARTS AND ACCESSORIES**  
**GAS SHOCK DOOR PROP ASSEMBLY**

**C-13D**

<b>NO</b>	<b>REQ'D</b>	<b>PART NO</b>	<b>DESCRIPTION</b>
1	2	041050	1/4 - 20 NC X 3/4 PHILLIPS TRUSS HEAD SCREW
2	2	044023	1/4 - 20 NC NYLON INSERT NUT
3	1	680485	GAS SPRING DOOR BRACKET
4	2	330437	10mm BALL STUD
5	2	044033	5/16 - 18 NC NYLON INSERT NUT
6	1	680813	GAS DOOR SHOCK

\* Use these codes to designate color needed:

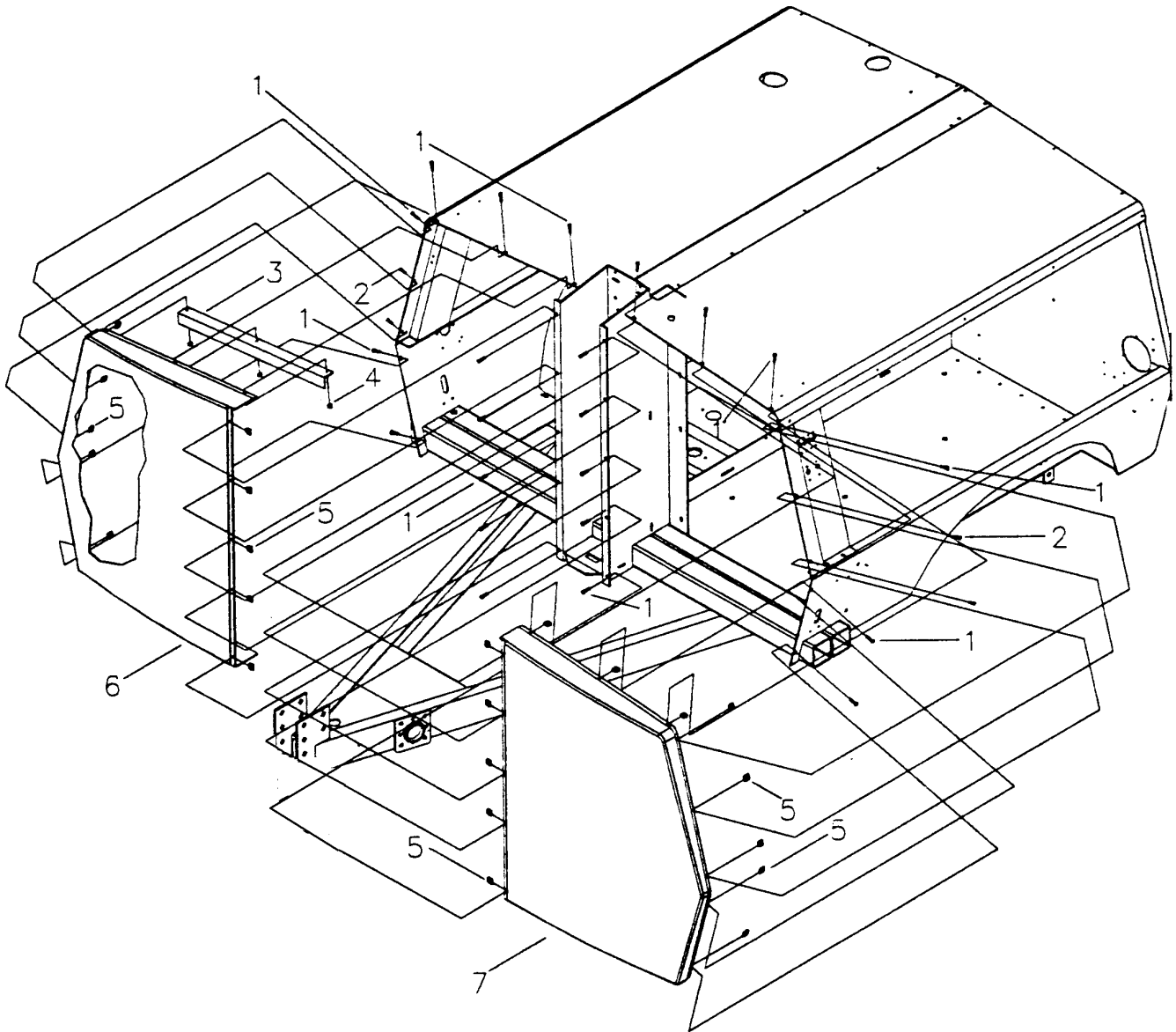
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### PLASTIC FRONT PANEL ASSEMBLY

C-14A





# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES PLASTIC FRONT PANEL ASSEMBLY

C-14B

NO	REQ'D	PART NO	DESCRIPTION
1	22	**	1/4 - 20 NC X 1 SCREW
2	4	**	1/4 - 20 NC X 3/4 FLAT HEAD MACHINE SCREW
3	1	680115*	ROOF SUPPORT
4	3	**	1/4 - 20 NC NYLON INSERT NUT
5	23	045216	TINNEMAN FASTENER
6	1	680103	RIGHT FRONT ABS PANEL (ORANGE)
	1	352183	RIGHT FRONT ABS PANEL (ALLMAND GOLD)
	1	352106	RIGHT FRONT ABS PANEL (WHITE)
7	1	680104	LEFT FRONT ABS PANEL (ORANGE)
	1	352184	LEFT FRONT ABS PANEL (ALLMAND GOLD)
	1	352107	LEFT FRONT ABS PANEL (WHITE)
NS	1	680440*	RIGHT FRONT PANEL (STEEL)
NS	1	680441*	LEFT FRONT PANEL (STEEL)

LEGEND: NS= Not Shown

\*\* = Purchase locally

\* Use these codes to designate color needed:

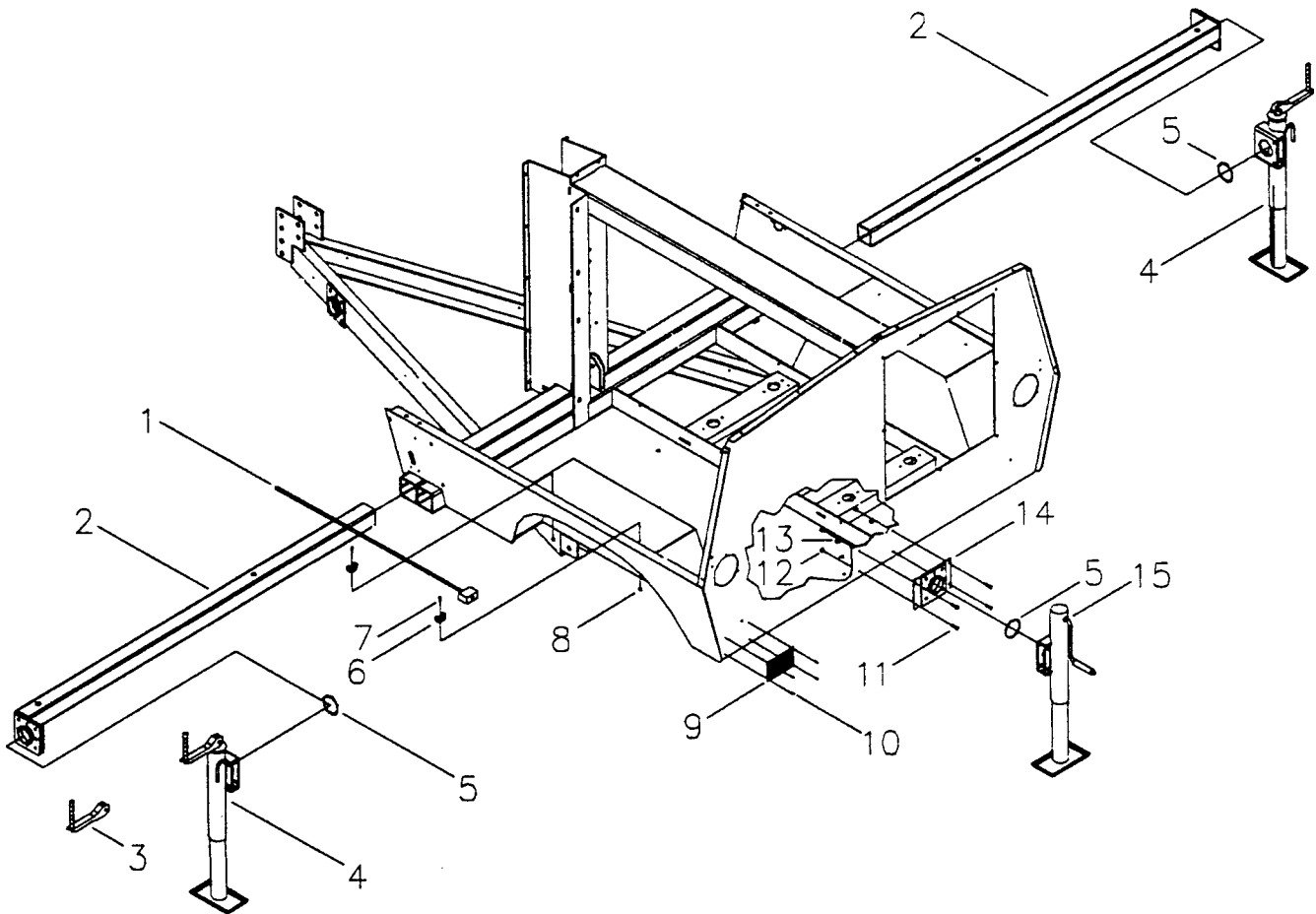
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### OUTRIGGERS AND REAR JACK MOUNT ASSEMBLY

C-15A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### OUTRIGGERS AND REAR JACK MOUNT ASSEMBLY

C-15B

NO	REQ'D	PART NO	DESCRIPTION
1	1	340058	GROUND ROD
2	1	680113*	LEFT/RIGHT OUTRIGGER
3		330012	REPLACEMENT HANDLE
4	2	330010	LONG JACK
5	3	330014	JACK SNAP RING 2 5/16 XT
6	2	330481	GROUND ROD CLIP
7	2	**	#10 - 24 NC X 1/2 SCREW
8	2	**	#10 - 24 NC KEPS NUT
9	1	**	SERIAL NUMBER PLATE
10	4	045108	BLIND RIVET
11	4	**	1/4 - 20 NC X 1 SCREW
12	4	**	1/4 - 20 NC NYLON INSERT NUT
13	2	**	#4 CUSHION CLAMP
14	1	680112*	REAR JACK MOUNT WELDMENT
15	1	352072	SWIVEL MOUNT JACK WITH SIDE CRANK

LEGEND: NS= Not Shown

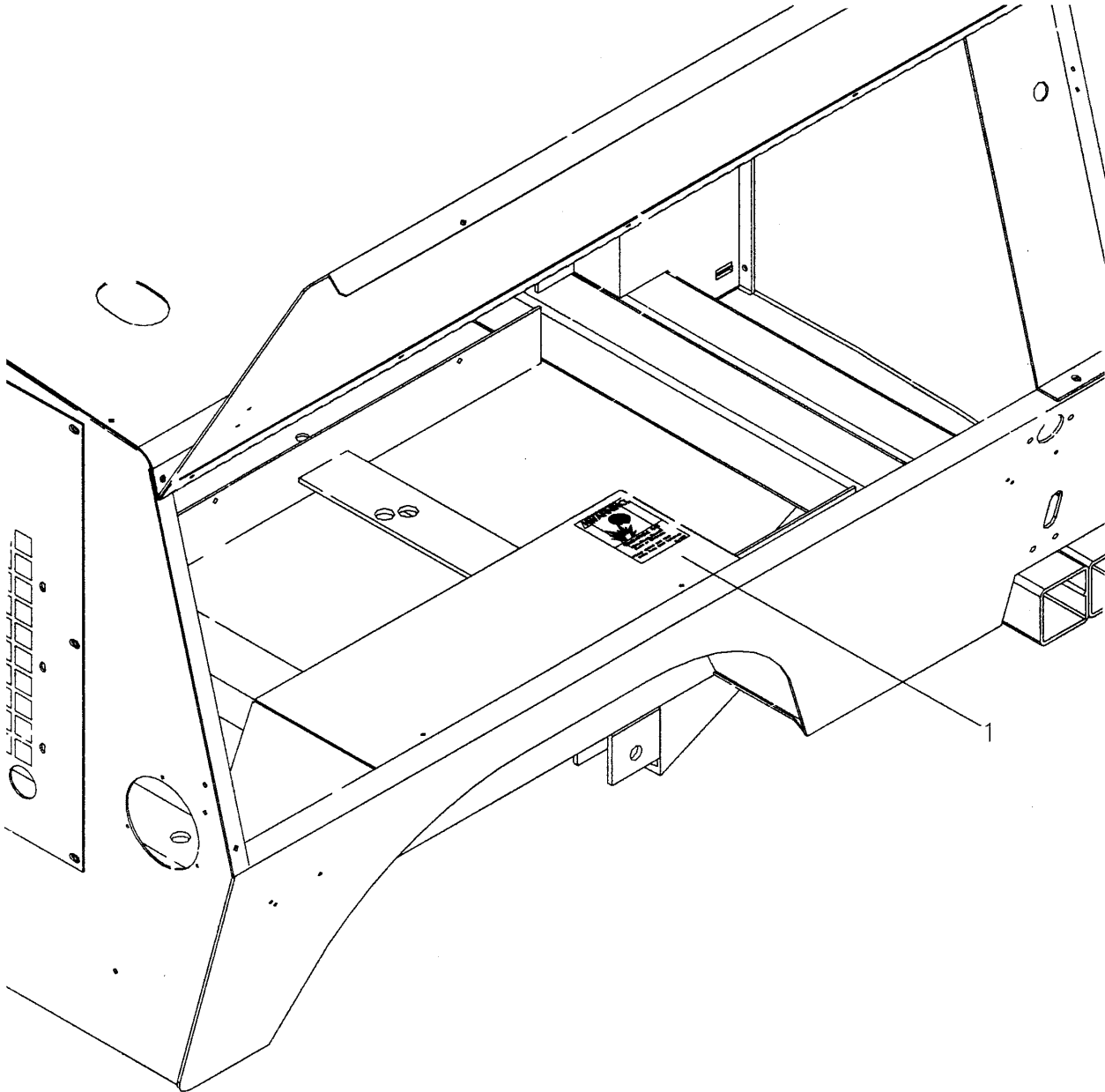
\*\* = Purchase locally

\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

**MAXI-LITE SERIES**  
**TRAILER ASSEMBLY PARTS AND ACCESSORIES**  
**DECAL PLACEMENT**

D-1A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### DECAL PLACEMENT

D-1B

NO	REQ'D	PART NO	DESCRIPTION
1	1	090159	DECAL-WARNING COMBUSTIBLE GAS

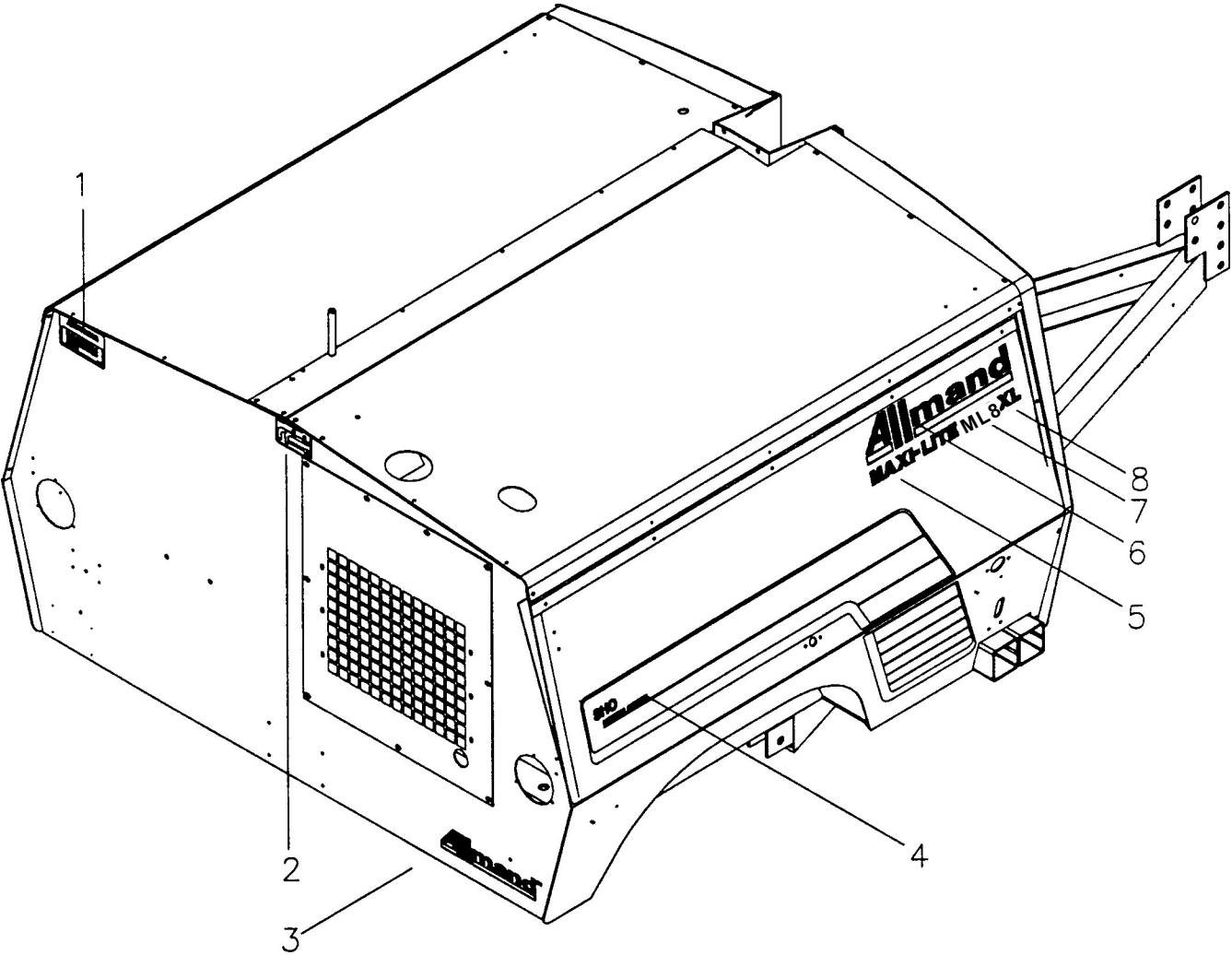
LEGEND: NS= Not Shown  
\*\* = Purchase locally

\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

**MAXI-LITE SERIES**  
**TRAILER ASSEMBLY PARTS AND ACCESSORIES**  
**DECAL PLACEMENT**

D-2A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### DECAL PLACEMENT

D-2B

NO	REQ'D	PART NO	DESCRIPTION
1	1	090003	DECAL - DO NOT STAND
2	1	090139	DECAL - UNLATCHED/LATCHED
3	1	090269	DECAL - ALLMAND YELLOW TO ORANGE 11.75"
4	1	352026	DECAL - GRADATION STRIPE SET
5	2	090255	DECAL - MAXI-LITE
6	2	090256	DECAL - ALLMAND, YELLOW TO ORANGE
NS	2	090490	DECAL - ML 6
7		090491	DECAL - ML 8
8	2	090267	DECAL - XL
NS	1	090065	DECAL - ARCTIC SPECIAL
NS	1	090164	DECAL - WARNING NON-VERTICAL
NS	1	090161	DECAL - MOVING PART HAZARD

LEGEND: NS= Not Shown  
 \*\* = Purchase locally

\* Use these codes to designate color needed:

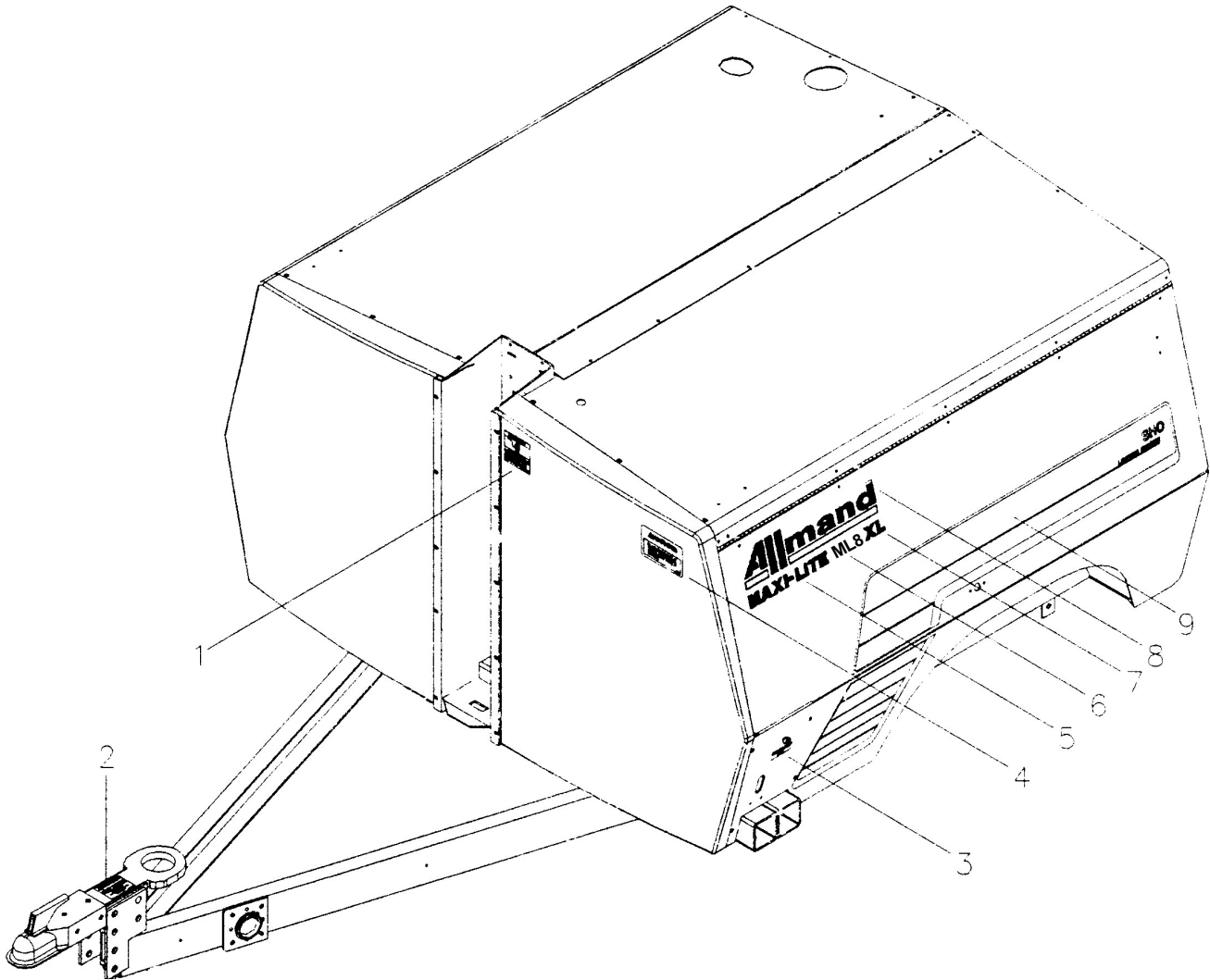
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### DECAL PLACEMENT

D-3A





# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### DECAL PLACEMENT

D-3B

NO	REQ'D	PART NO	DESCRIPTION
1	1	090162	DECAL - DANGER HAZARDOUS VOLTAGE
2	1	090160	DECAL - WARNING EXCESSIVE TOW SPEED
3	1	090133	DECAL - GROUND LUG
4	1	090003	DECAL - DO NOT STAND
5	2	090255	DECAL - MAXI-LITE
NS	2	090490	DECAL - ML 6
6	2	090491	DECAL - ML-8
7	2	090267	DECAL - XL
NS	2	090065	DECAL - ARCTIC SPECIAL
9	1	352026	DECAL - GRADATION STRIPE SET

LEGEND: NS= Not Shown  
\*\* = Purchase locally

\* Use these codes to designate color needed:

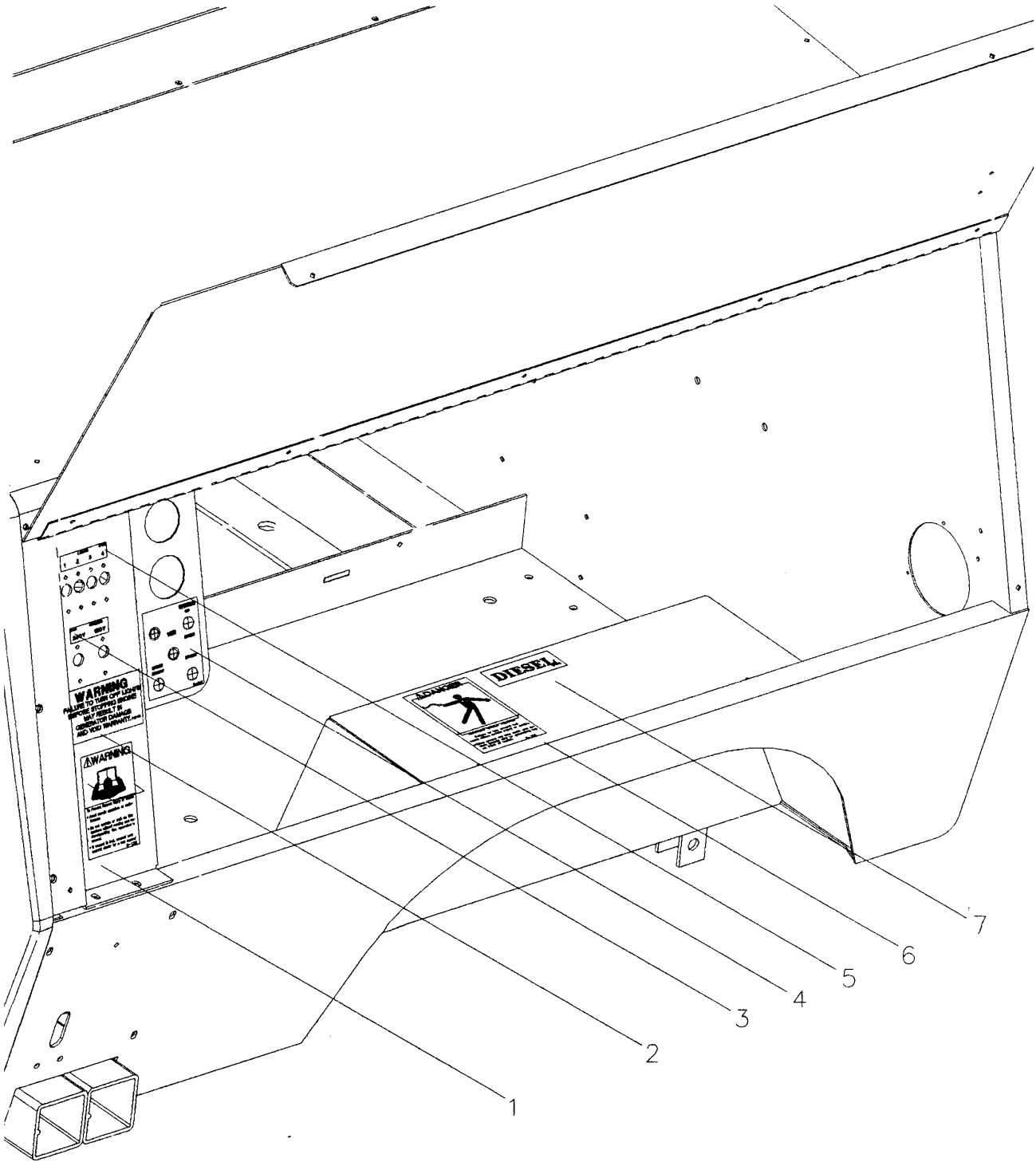
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### DECAL PLACEMENT

D-4A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### DECAL PLACEMENT

D-4B

NO	REQ'D	PART NO	DESCRIPTION
1	1	090158	DECAL - WARNING OPERATORS MANUAL
2	1	090084	DECAL - WARNING FAILURE TO TURN OFF LIGHTS
3	1	090283	DECAL - OUTLETS
4	1	090261	DECAL - IGNITION START, ELECTRIC WINCH
5	1	090169	DECAL - LIGHTS 1,2,3,4 (4-LIGHT OPTION)
	1	090282	DECAL - LIGHTS 1,2,3,4 ,5,6 (6-LIGHT OPTION)
6	1	090163	DECAL - DANGER ELECTRIC SHOCK
7	1	090034	DECAL - DIESEL

LEGEND: NS= Not Shown

\*\* = Purchase locally

\* Use these codes to designate color needed:

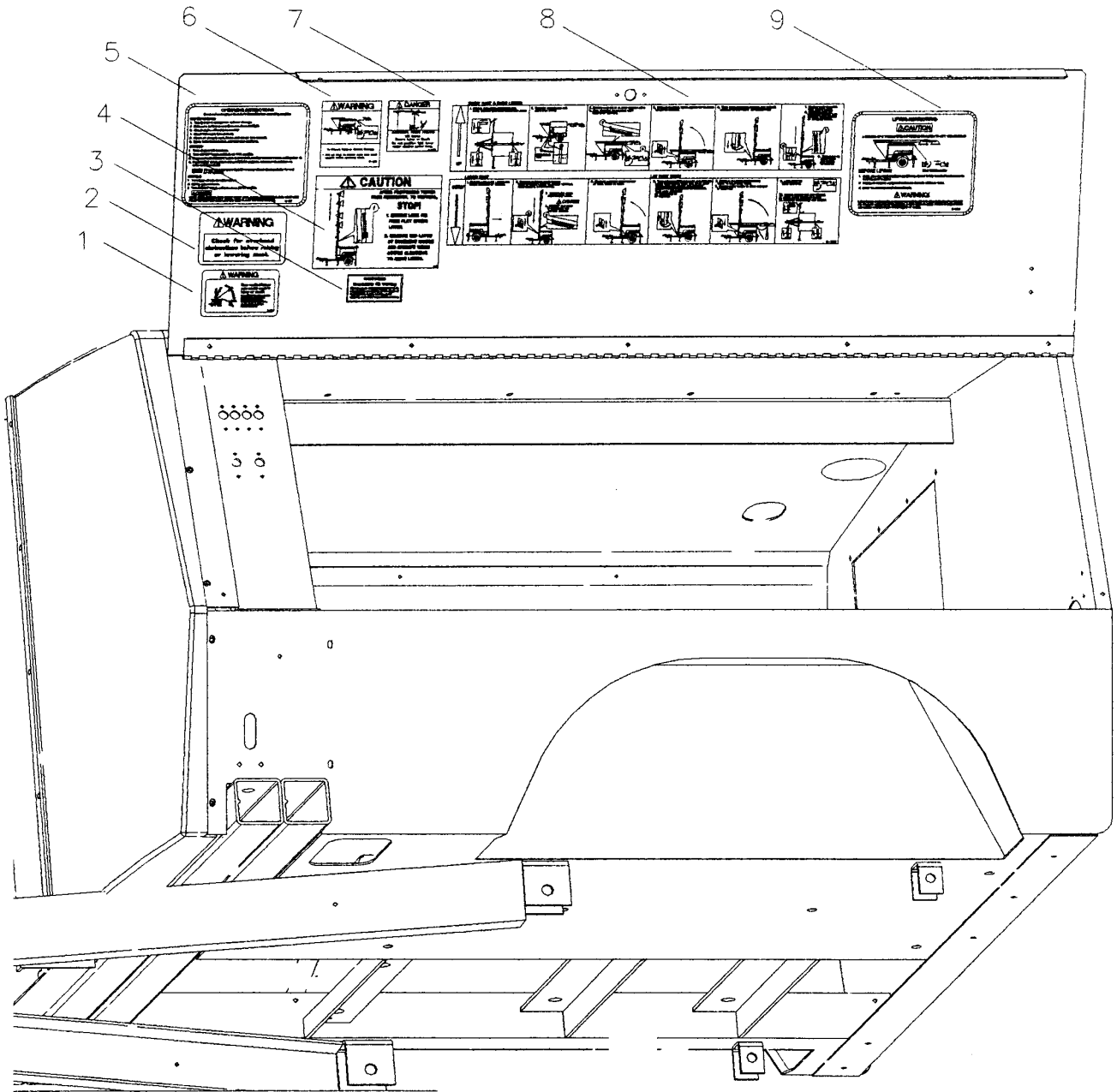
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### DECAL PLACEMENT

D-5A



# MAXI-LITE SERIES

## TRAILER ASSEMBLY PARTS AND ACCESSORIES

### DECAL PLACEMENT

D-5B

NO	REQ'D	PART NO	DESCRIPTION
1	1	090152	DECAL - NON-VERTICAL TOWER
2	1	090005	DECAL - CHECK FOR OVERHEAD OBSTRUCTIONS
3	1	090179	DECAL - PROPOSITION 65, DIESEL
4	1	090205	DECAL - CAUTION, RED LATCH (ELECTRIC WINCH)
5	1	090151	DECAL - OPERATING INSTRUCTIONS
6	1	090263	DECAL - WARNING, PULL PIN
7	1	090165	DECAL - DANGER, ELECTRIC SHOCK
8	1	090262	DECAL - PICTORIAL OPERATOR, ELECTRIC WINCH
		090259	DECAL - PICTORIAL OPERATOR, MANUAL WINCH
9	1	090264	DECAL - LIFT INSTRUCTIONS

LEGEND: NS= Not Shown

\*\* = Purchase locally

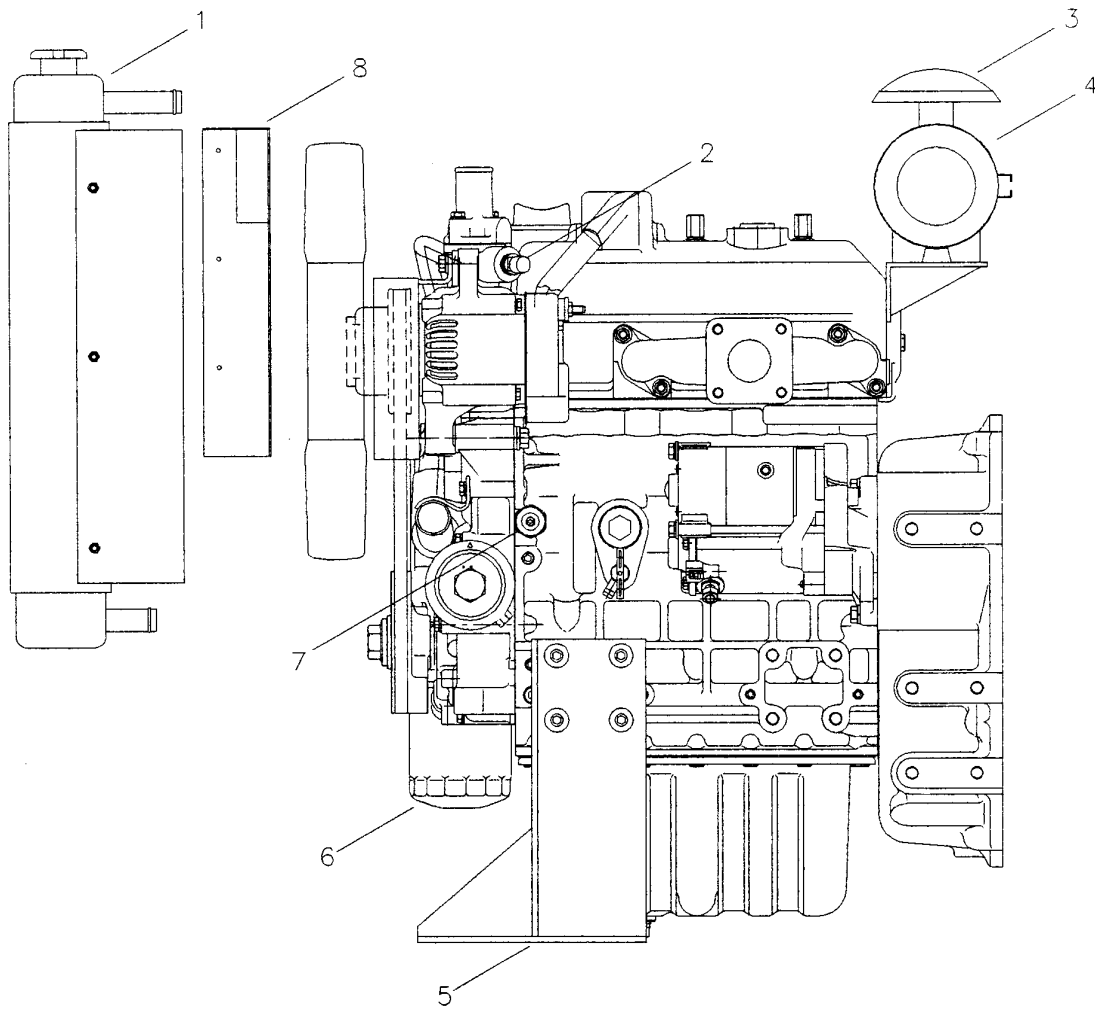
\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

# KUBOTA ENGINE

E-1A



# MAXI-LITE SERIES

## KUBOTA ENGINE

E-1B

REF#	PART NO	DESCRIPTION
NS	680120*	KUBOTA D905-EBG1 ENGINE/MARATHON 6 KW GEN. SET SAE)
NS	350127*	KUBOTA D1105-EBG1 ENGINE/MARATHON 6 KW GEN. SET SAE)
NS	680131*	KUBOTA D1105-EBG1 ENGINE/MARATHON 8 KW GEN. SET SAE)
NS	340304	KUBOTA D905-EBG1 ENGINE ONLY (SAE)
NS	352081	KUBOTA D1105-EBG1 ENGINE ONLY (SAE)
NS	640146	MARATHON 6 KW GENERATOR ONLY (SAE)
NS	640157	MARATHON 8 KW GENERATOR ONLY (SAE)
NS	650592	POWRGARD 6 KW GENERATOR ONLY
A.S.	830196	NEWAGE 8KW GENERATOR ONLY
NS	1 920745	KUBOTA FUEL FILTER
NS	1 081016	FUEL LINE (1/4" FUEL LINE 72")
NS	1 081005	RETURN LINE (NYLON HOSE 80")
NS	1 081018	FUEL LINE (5/16" FUEL LINE 14")
NS	1 081018	FUEL LINE (5/16" FUEL LINE 10")
NS	1 680224*	ENGINE WIRING HARNESS - DC GAUGE PANEL/ENGINE (KUBOTA)
NS	1 680128*	GENERATOR MOUNT PLATE, KUBOTA
NS	1 @@@	TOP RADIATOR HOSE
NS	1 @@@	BOTTOM RADIATOR HOSE
NS	1 340105	GROUND STRAP
1	1 Call Factory	RADIATOR
2	1 340302	HIGH TEMPERATURE SWITCH
3	1 650290	AIR CLEANER ELEMENT ONLY
4	1 650262	AIR CLEANER/FILTER ELEMENT ASSEMBLY
5	1 640282*	ENGINE MOUNT BRACE (LEFT)
	1 640283*	ENGINE MOUNT BRACE (RIGHT)
6	1 930743	KUBOTA OIL FILTER
7	1 340301	OIL PRESSURE SWITCH
8	1 650168-10	KUBOTA FAN GUARD
NS	1 920472	KUBOTA RECOVERY TANK

FOR ENGINE PARTS NOT SHOWN, SEE KUBOTA D905 PARTS LIST. FOR GENERATOR PARTS NOT SHOWN, SEE MANUFACTURER'S LIST OR CALL 800-562-1373 FOR ASSISTANCE.

LEGEND: NS= Not Shown

\*\* = Purchase locally

@@ = See local Kubota Dealer

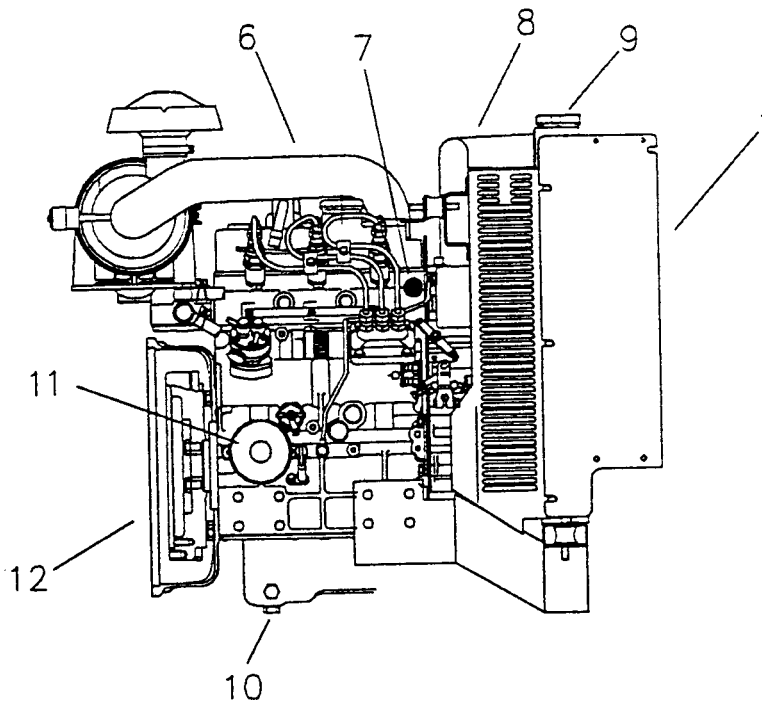
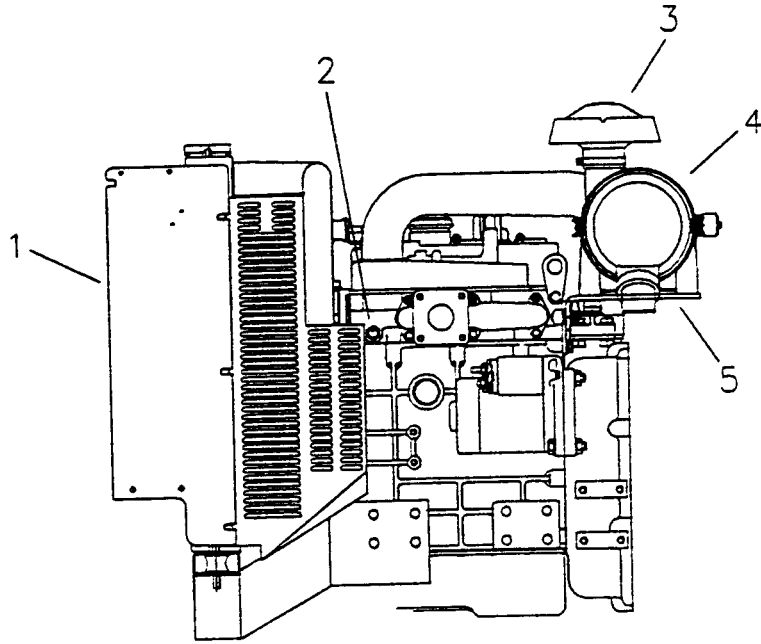
\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

# MAXI-LITE SERIES

## PERKINS 103.10

E-2A





# MAXI-LITE SERIES

## PERKINS 103.10

E-2B

NO	REQ'D	PART NO	DESCRIPTION
1	2	650284*	RADIATOR SHROUD, PERKINS, SIDE
2	1	@@@@	HIGH TEMPERATURE SWITCH
3	1	@@@@	AIR CLEANER DUST CAP
4	1	@@@@	AIR CLEANER
5	1	@@@@	AIR CLEANER, MOUNTING BRACKET
6	1	@@@@	AIR INTAKE HOSE
7	1	@@@@	OIL PRESSURE SWITCH
8	1	@@@@	UPPER RADIATOR HOSE
9	1	@@@@	RADIATOR
10	1	@@@@	OIL DRAIN PLUG
11	1	650304	OIL FILTER (PERKINS)
12	1		PERKINS 103.10 ENGINE / MARATHON GENERATOR
	1	352160	PERKINS 103.10 ENGINE ONLY
	1	640146	MARATHON 6KW GENERATOR ONLY
	1	650592	POWRGARD 6KW GENERATOR ONLY
NS	1	650279*	RADIATOR SHROUD, PERKINS, UPPER
NS	1	650280*	RADIATOR SHROUD, PERKINS, LOWER
NS	1	030052	TRIM LOCK NTH RUBBER SEAL
NS	8	**	M12-1.25 X 20 GRADE 10.9 BOLT
NS	8	**	1/4-20 X .75 STAINLESS STEEL PAN SCREWS
NS	8	**	1/4 SPLIT LOCK WASHER
NS	8	**	1/4-20 NYLON INSERT NUT
NS	1	352169	PERKINS ENGINE WIRING HARNESS (SEE WRING SCHEMATIC)
NS	52"	081005	NYLON RETURN LINE
NS	20"	081016	1/4 FUEL LINE
NS	1	650278	GT MUFFLER
NS	1	@@@@	MUFFLER GASKET
NS	4	**	M8-1.25 X 20 GRADE 8.8 BOLT
NS	4	**	3/8 SPLIT LOCK WASHER
NS	1	680128*	MARATHON GENERATOR MOUNT PLATE
NS	1	680126*	LEFT ENGINE MOUNT FOOT
NS	1	680127*	RIGHT ENGINE MOUNT FOOT
NS	1	680122*	KUBOTA RADIATOR MOUNT PLATE
NS	1	650303	PERKINS AIR CLEANER ELEMENT
NS	1	650304	PERKINS OIL FILTER
NS	1	650305	PERKINS FUEL FILTER

LEGEND: NS= Not Shown

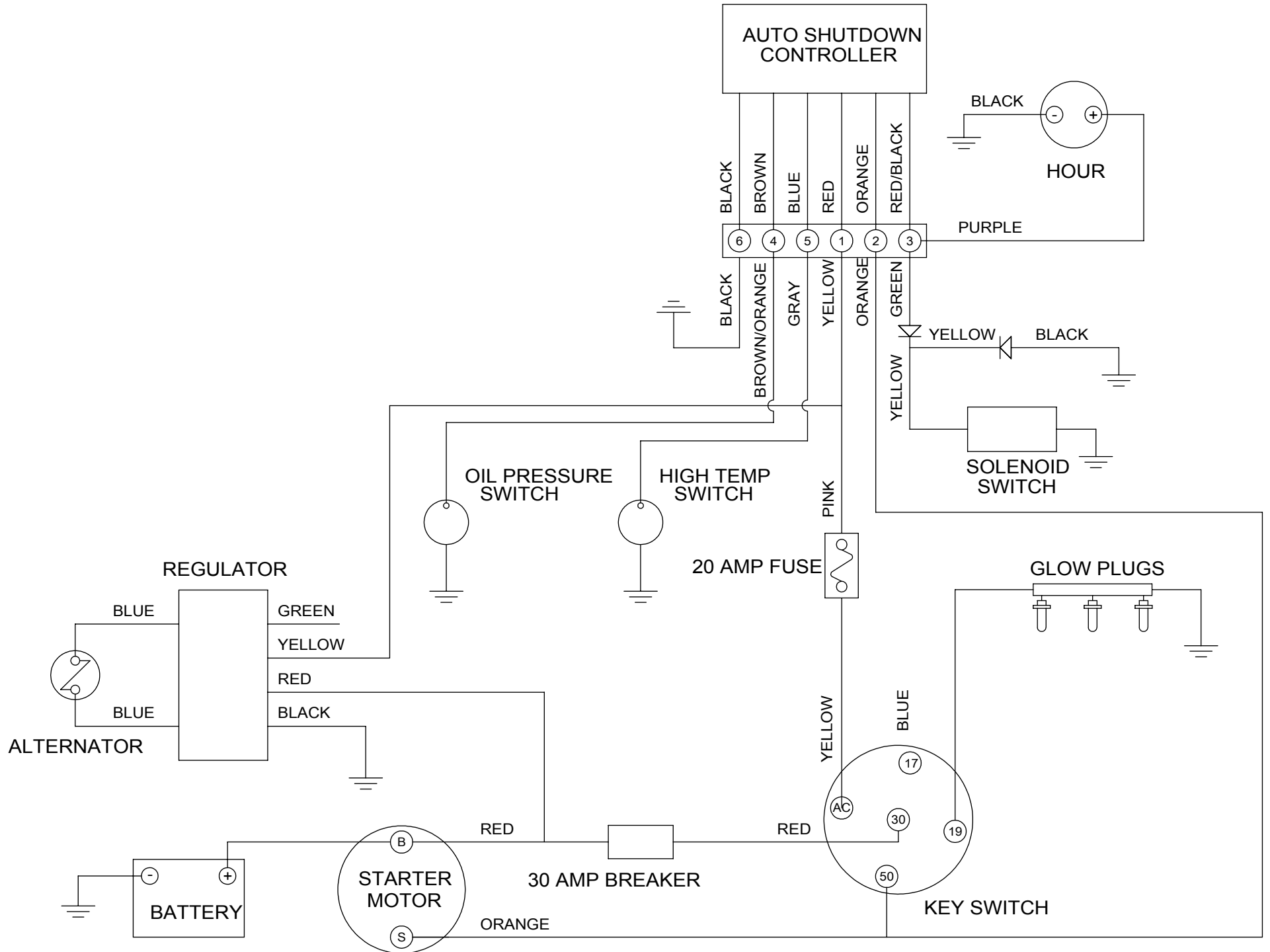
\*\* = Purchase locally

@@@@ = See local Perkins Dealer

\* Use these codes to designate color needed:

01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

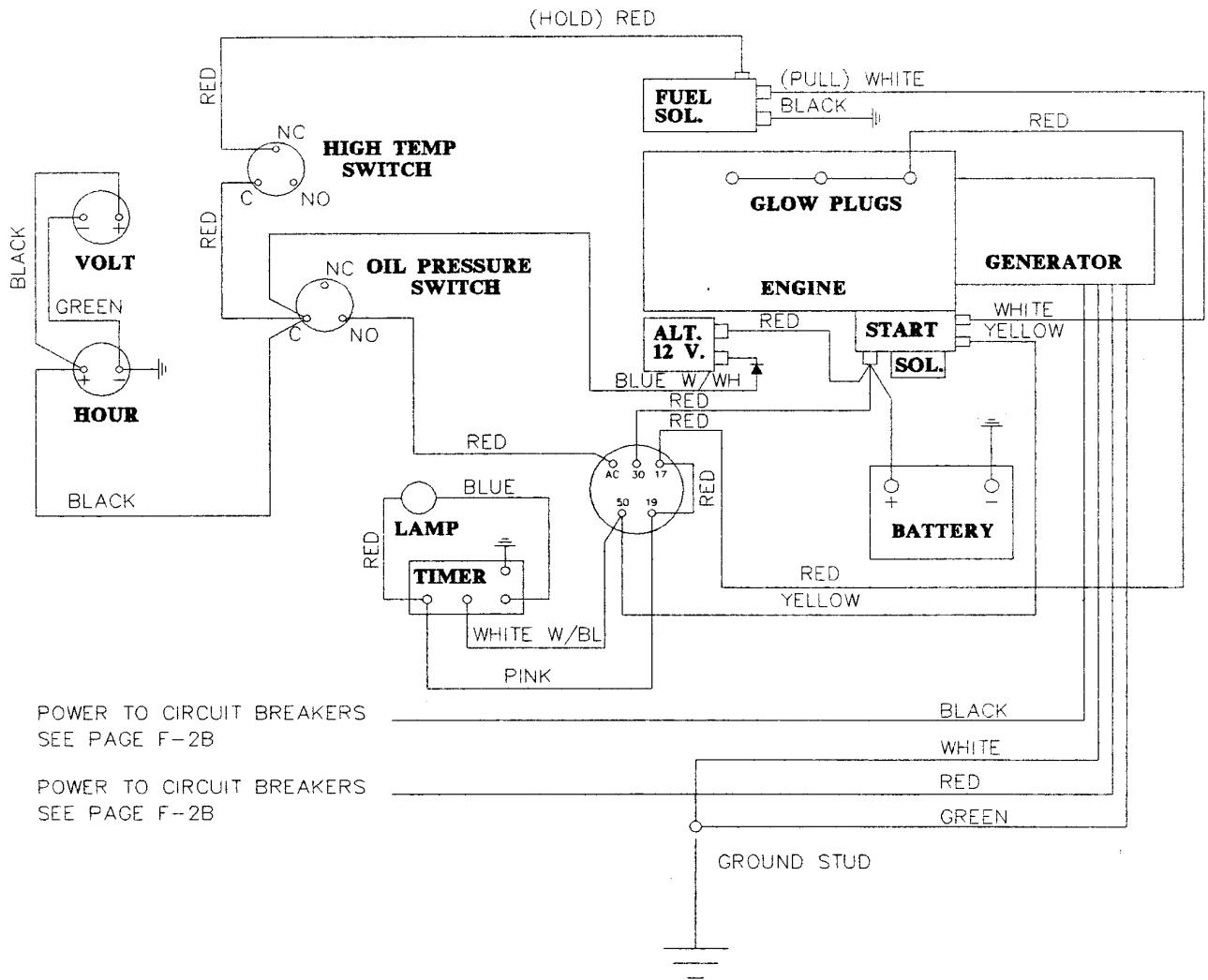
# CAT C1.1 ENGINE WIRING HARNESS



# MAXI-LITE SERIES ELECTRICAL DIAGRAMS

F-1A

## KUBOTA ENGINE/GENERATOR SET



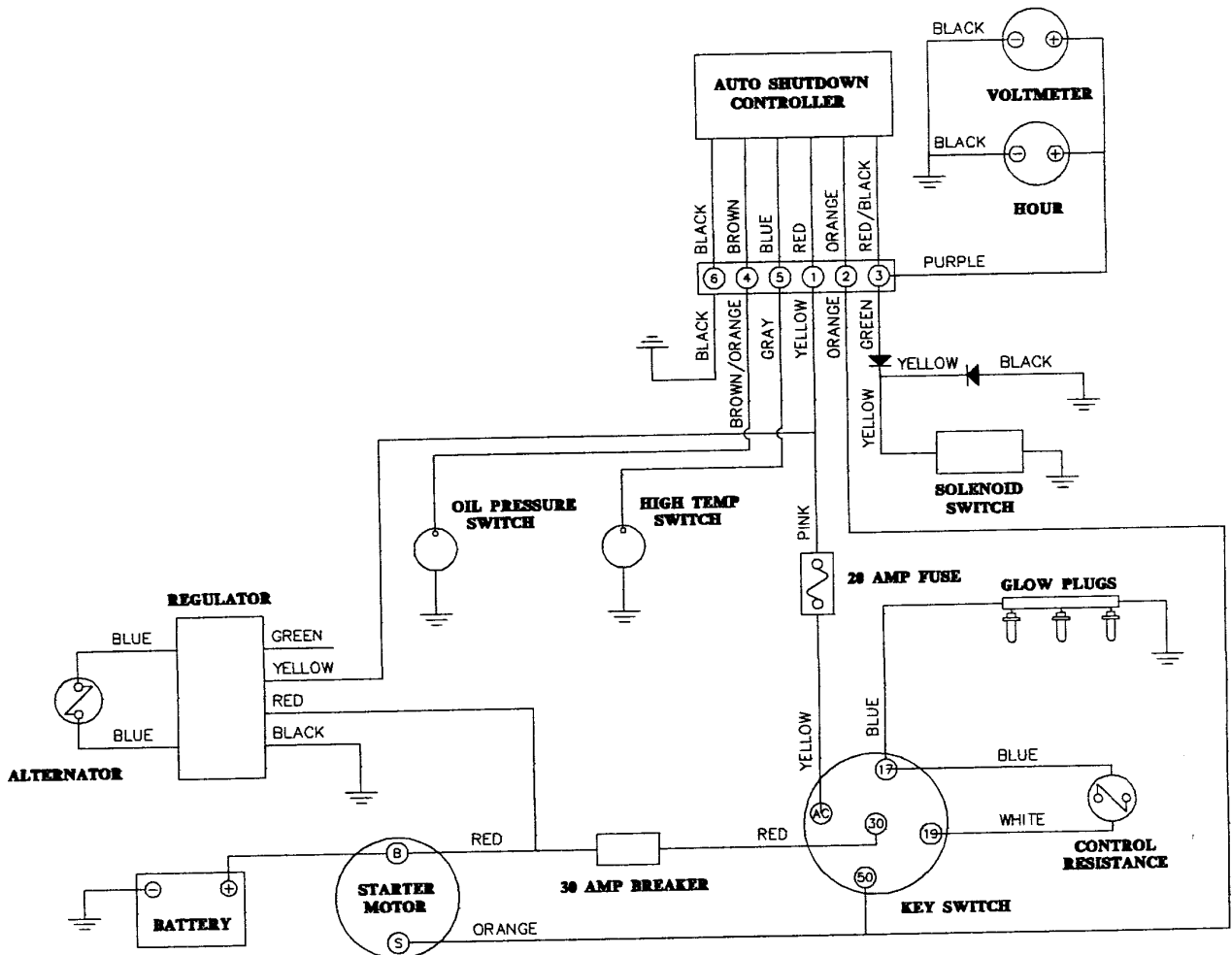
# MAXI-LITE SERIES

## ELECTRICAL DIAGRAMS

F-1B

### PERKINS 103.10 ENGINE

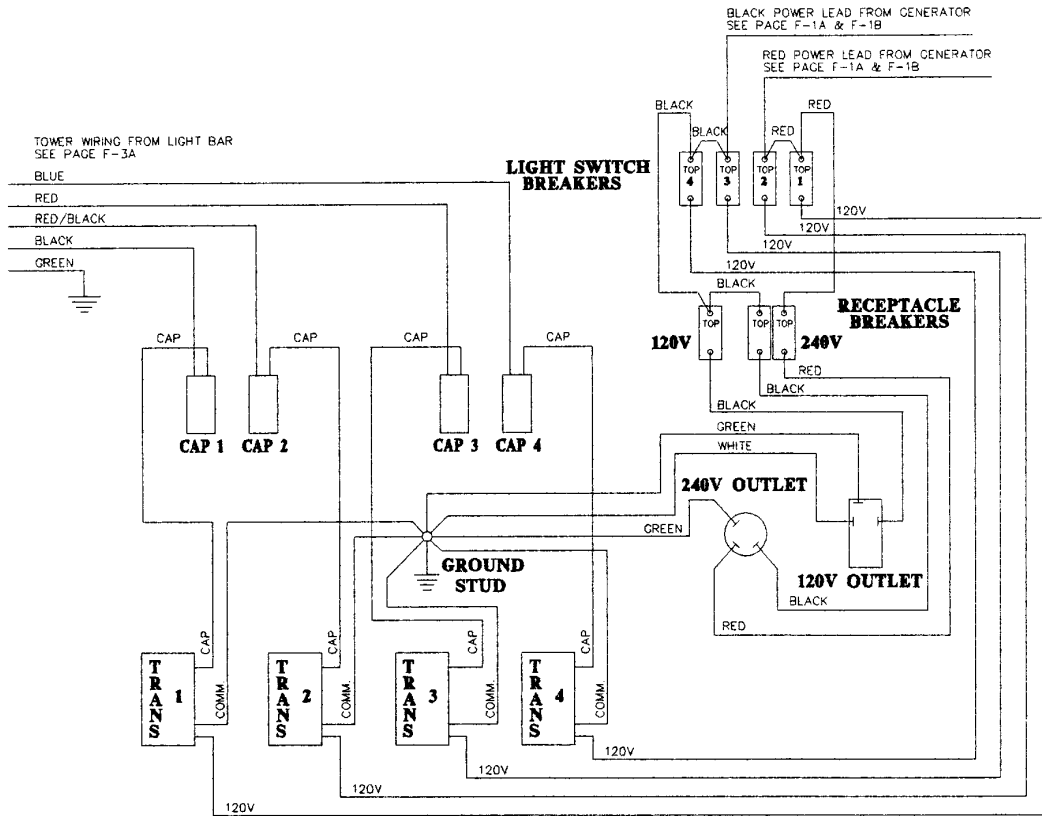
PART#	DESCRIPTION
352169	PERKINS ENGINE WIRING HARNESS



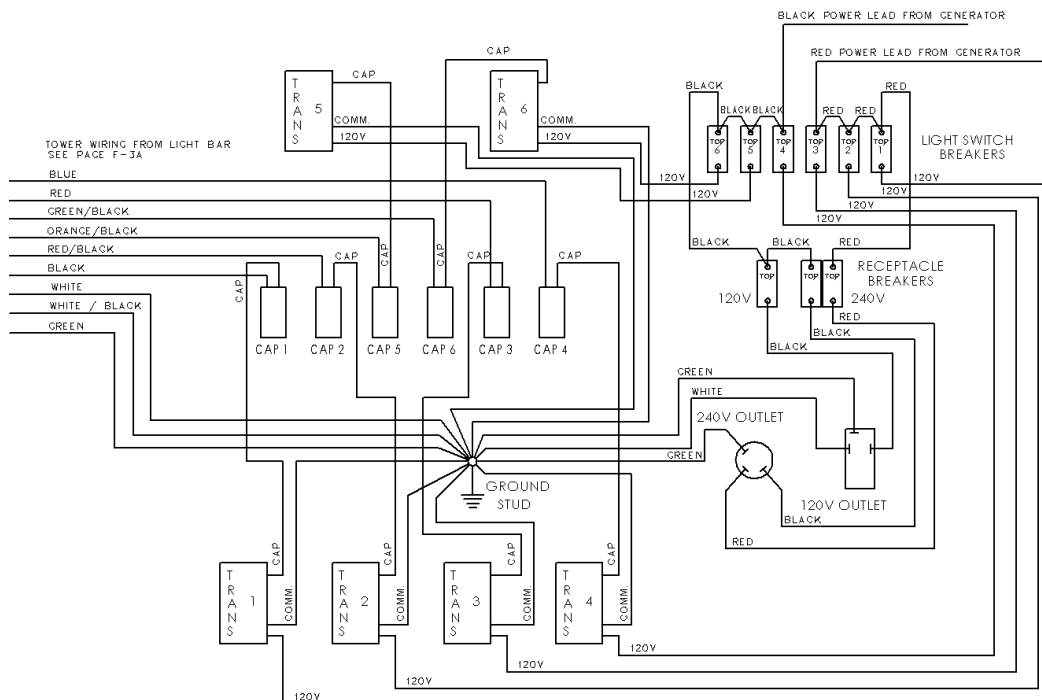
# MAXI-LITE SERIES

## BALLAST ASSEMBLY, 4-LIGHT

F-1C



## BALLAST ASSEMBLY, 6-LIGHT

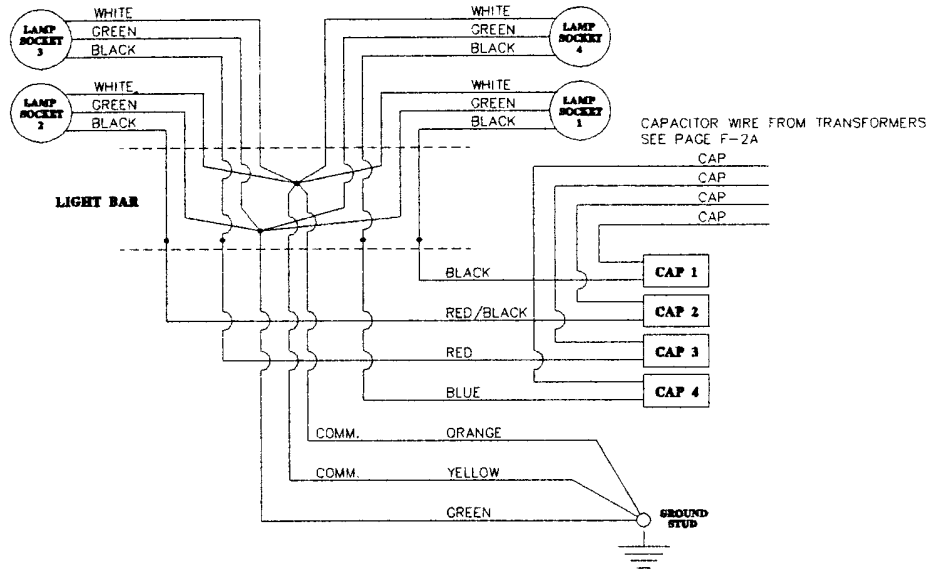


# MAXI-LITE SERIES

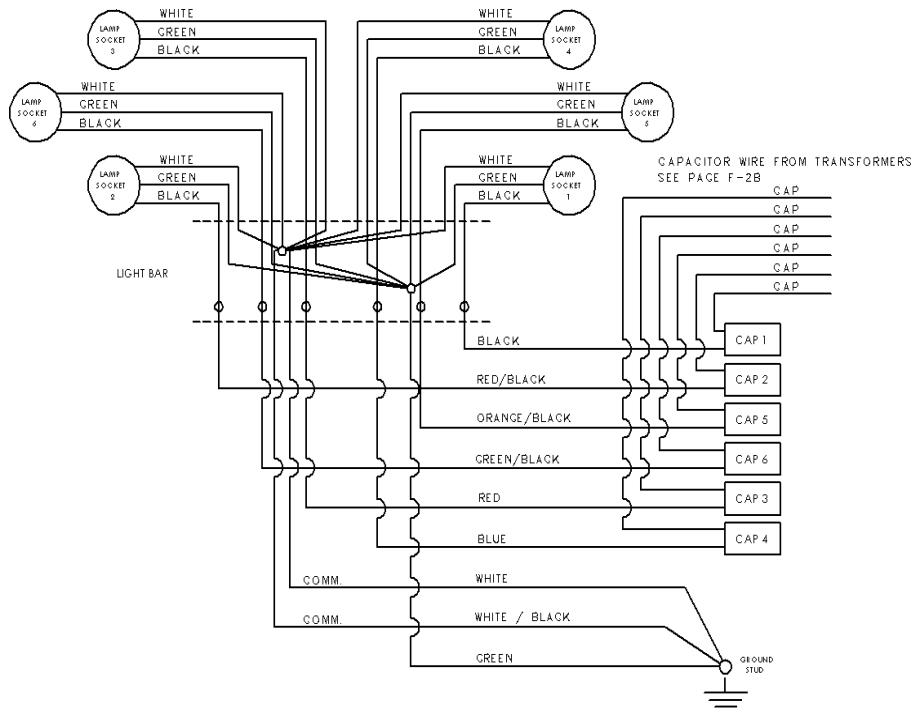
## ELECTRICAL DIAGRAMS

### LAMP SOCKET/BALLAST COMPARTMENT WIRING, 4-LIGHT

F-2A



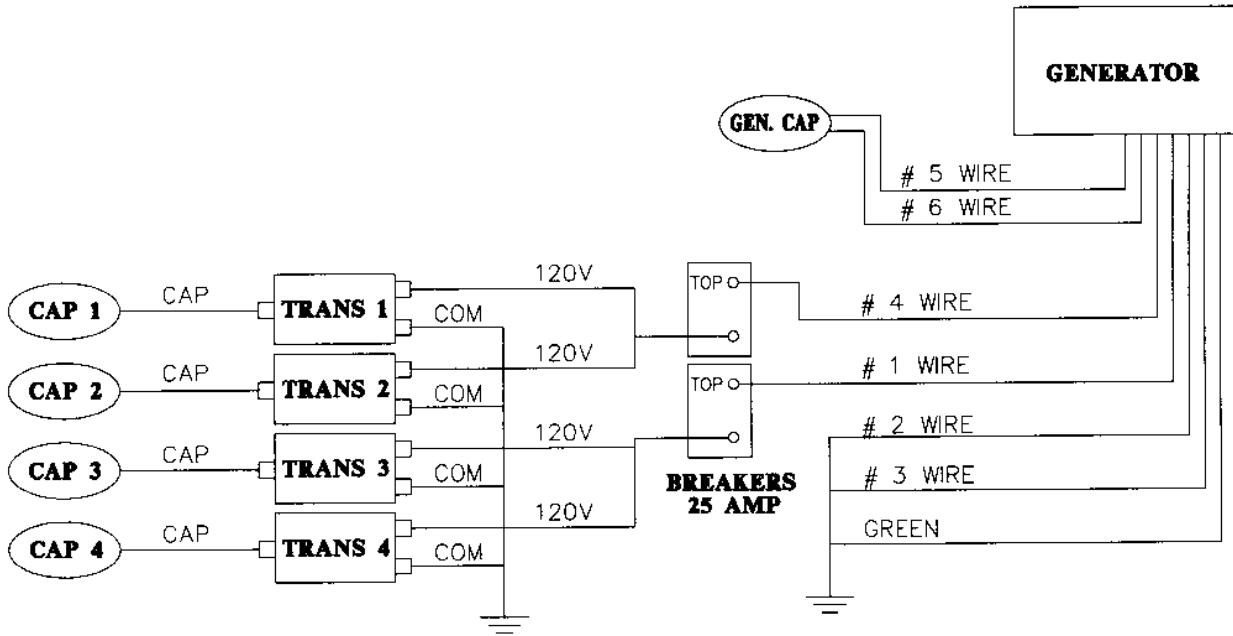
### LAMP SOCKET/BALLAST COMPARTMENT WIRING, 6-LIGHT



# MAXI-LITE SERIES ELECTRICAL DIAGRAMS

F-3A

## POW'R GARD GENERATOR SCHEMATIC

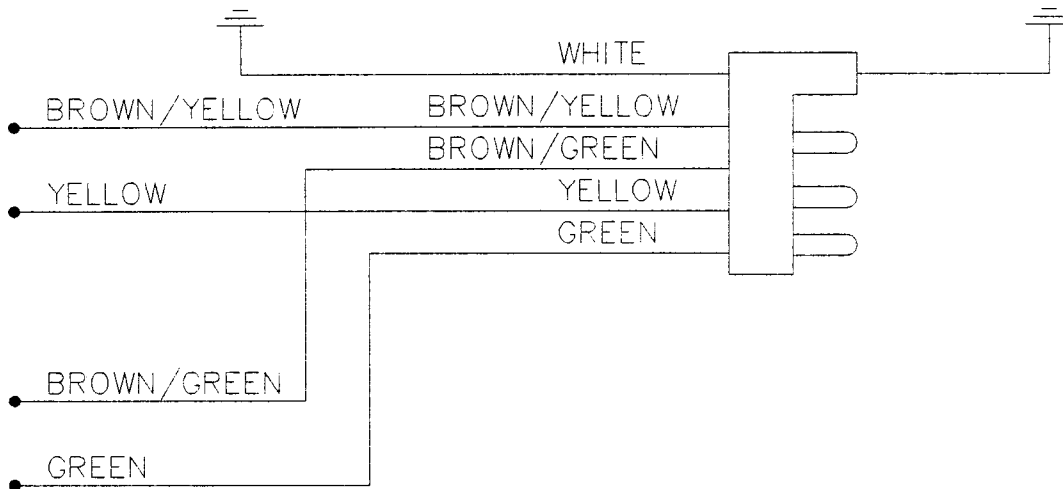


# MAXI-LITE SERIES

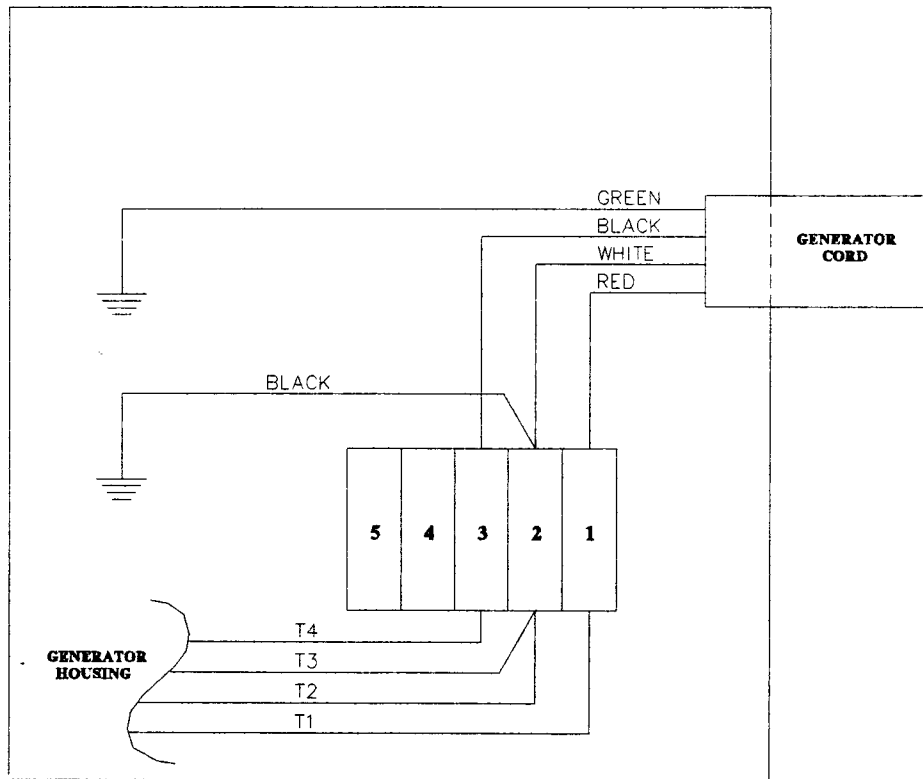
## ELECTRICAL DIAGRAMS

F-3B

### 352037 TAILLIGHT WIRING HARNESS



### MARATHON GENERATOR ELECTRICAL BOX WIRING

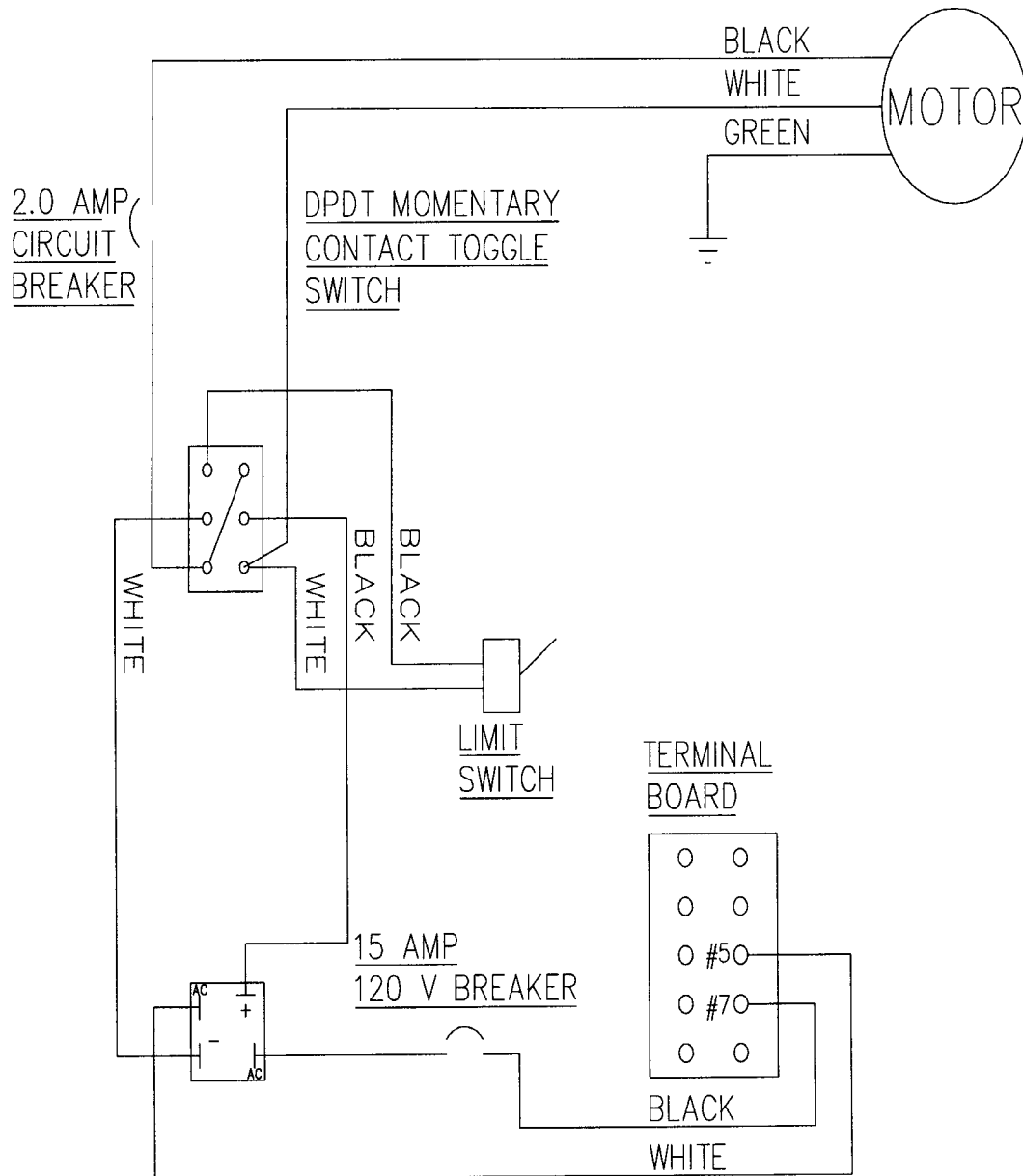




# MAXI-LITE SERIES ELECTRICAL DIAGRAMS

F-4A

## DUTTON-LAINSON STRONG ARM WINCH SCHEMATIC



## ALLMAND LIGHTING SYSTEMS LIMITED WARRANTY UNITED STATES and U.S. TERRITORIES

**THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED INCLUDING WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR PURPOSE, AND ANY EXCEPTIONS ARE DESCRIBED IN THE PUBLISHED LIMITED WARRANTY ADDENDUM, AVAILABLE UPON REQUEST.**

**COMPONENTS, SUB-ASSEMBLIES, AND DEVICES MANUFACTURED BY OTHER MANUFACTURERS ARE NOT COVERED BY THIS WARRANTY. ALL WARRANTY INFORMATION FROM SUCH OTHER MANUFACTURERS IS PROVIDED WITHIN OR ACCOMPANY THESE GOODS.**

Subject to the foregoing, the manufacturer, Allmand Bros. Inc., hereby warrants all equipment manufactured by Allmand Bros. Inc. to be free from defects in material and workmanship for a period of (1) year after delivery to the original purchaser. Additionally, Allmand Bros. Inc. hereby warrants all replacement parts supplied by Allmand Bros. Inc. to be free from defects in material and workmanship for a period of 90 days after date of invoice. Delivery shall be deemed for the purposes of this warranty to have occurred no later than five days following the date of sale agreement or invoice unless the purchase agreement or invoice specifically states a later delivery date in which case such delivery date shall control. The original purchaser shall be deemed to be a person who places the goods or products in actual use, and any person holding such goods solely for wholesale or retail sale purposes shall not constitute an original purchaser. PROVIDED, any leasing of these goods or other use beyond normal demonstration of same shall be deemed to be in use by an original purchaser and all warranty periods shall commence at the time of such use. During the warranty period any defective goods or parts hereof shall be repaired or replaced at manufacturer's discretion. In the event it is necessary to return such goods or parts to the factory, all transportation charges shall be prepaid. The manufacturer shall in no event pay mileage expenses, but will warrant outbound ground freight.

The obligations of the manufacturer is solely to repair or replace defective goods or parts or to refund the cost of the same if it is determined by the manufacturer that repair or replacement will not return the goods to proper working order or utility. **THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE AND MANUFACTURER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES. THE OBLIGATIONS OF THE MANUFACTURER HEREUNDER SHALL IN NO WAY EXCEED THE PRICE OF THE EQUIPMENT OR PART UPON WHICH SUCH LIABILITY IS BASED.**

The warranty shall not extend to tires, lamps, batteries, or parts that have been altered, changed, damaged, or improperly installed, repaired, operated or maintained. Provided, this exclusion shall not apply to installations, repairs or other work done at the manufacturer's plant or under direct manufacturer's supervision. The Operator's Manual, to the extent covered therein, is deemed to set forth the proper procedures for operation, repair, installation, and maintenance of these goods.

No representative, dealer or distributor of the company is authorized to make any changes or exceptions to this warranty unless expressly authorized in writing from the manufacturer. All warranty claims must be filed within forty-five (45) days of the failure.

ALLMAND BROS. INC., 1502 W 4<sup>TH</sup> AVENUE, P.O. BOX 888, HOLDREGE, NE 68949 (308) 995-4495