



MAXI-LITE ML 6/ML 8 HYDRAULIC TOWER 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. 107639

For Parts and Updates visit Allmand on the Web at 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!

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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 by a two cylinder hydraulic system 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 off all 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.

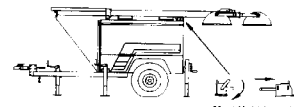
CAUTION
MAKE SURE GROUND ROD IS PUT AWAY AND JACKS, OUTRIGGERS AND MAST ARE FULLY RETRACTED AND LOCKED INTO PLACE BEFORE TOWING.

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 Hold-down Pin

BEFORE LIFTING:

1. Make sure the mast hold-down 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 loose 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. EXTEND BOTH SIDE OUTRIGGERS AND LEVEL TRAILER WITH JACKS.
2. CONNECT GROUND ROD AND DRIVE INTO EARTH.
3. PULL PIN BACK TO RELEASE MAST FROM MAST SUPPORT.
4. OPERATE THE ERECT TOGGLE SWITCH UP TO RAISE TOWER TO VERTICAL.
5. TURN KNOB COUNTERCLOCKWISE AND ENGAGE LATCH IN STRIKE PLATE. RETIGHTEN KNOB.
6. OPERATE THE EXTEND SWITCH UP TO RAISE LIGHTS.
7. TURN KNOB TO ALLOW MAST AND LIGHTS TO ROTATE.

LOWER LIGHTS & LOWER MAST


1. ROTATE MAST UNTIL LIFTING EYE POINTS TO FRONT OF TRAILER.
2. OPERATE DOWN ON THE EXTEND TOGGLE SWITCH TO LOWER LIGHTS TO LOWEST VERTICAL POSITION.
4. OPERATE THE ERECT TOGGLE SWITCH UP UNTIL TIGHT.
5. TURN KNOB COUNTERCLOCKWISE AND RELEASE LATCH FROM STRIKE. NOTE: MAST HAS TO BE POSITIONED WITH THE LIFTING EYE DIRECTLY FORWARD BEFORE LATCH CAN BE RELEASED. TURN KNOB CLOCKWISE TO HOLD LATCH IN UP POSITION.
6. OPERATE THE ERECT TOGGLE SWITCH DOWN TO FOLD MAST DOWN.
8. LOCK MAST TO MAST SUPPORT.
9. REMOVE GROUND ROD AND SECURE.
10. RAISE JACKS.
11. RETRACT OUTRIGGERS AND SECURE.

D-325

PART NO. D-325
Location: Inside left hand door panel. (Hydraulic tower model only.)

SAFETY AND WARNING DECALS

! WARNING

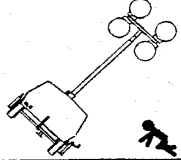


To Prevent Serious Injury or Death:

- 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

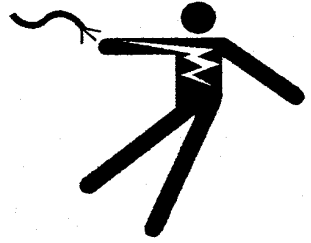


OVERHEAD HAZARD TO PREVENT SERIOUS INJURY OR DEATH:

- 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



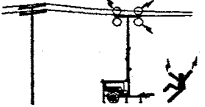
ELECTRIC SHOCK HAZARD

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



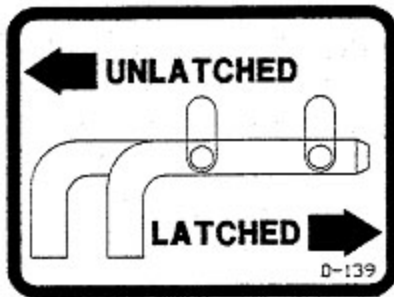
COMBUSTIBLE GAS

Can Cause Severe Burns or Blindness.

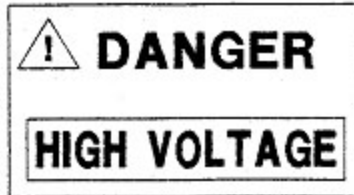
- Keep sparks and open flame away from batteries. D-159

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

SAFETY AND WARNING DECALS



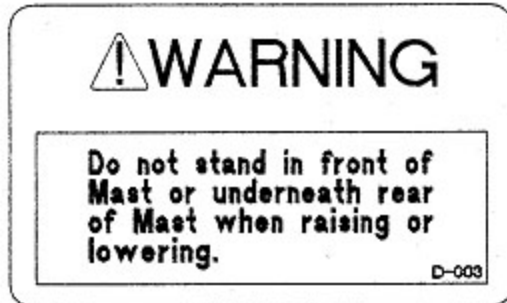
PART NO. D-139
Location: On rear panel under the rear tower support.



PART NO. D-002
Location: Light bar cover



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



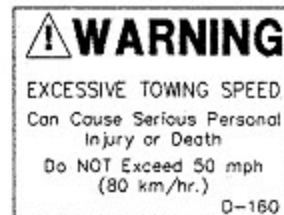
PART NO. D-003
Location: Inside left hand door panel



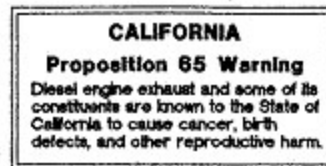
PART NO. D-152
Location: Inside left hand door panel



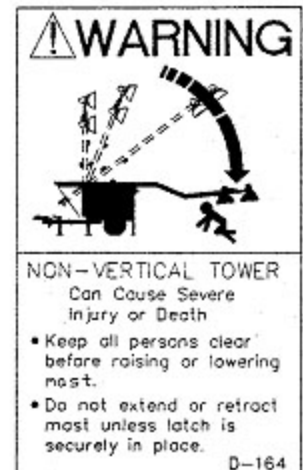
PART NO. D-005
Location: Inside left hand door panel



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

HYDRAULIC MAST OPERATION

DESCRIPTION OF OPERATION

The Allmand **MAXI-LITE** tower assembly consists of a three section telescoping mast that can be raised and extended by operating two toggle switches mounted on the D.C. Control Panel. The lift cylinder toggle switch operates a solenoid on a hydraulic pump that pressurizes a cylinder to raise the mast from the horizontal towing position to the vertical position. The extend cylinder toggle switch operates a solenoid on the same hydraulic pump that pressurizes a cylinder that extends the telescoping 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.
 - 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 LIFT CYLINDER toggle switch UP 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 EXTEND CYLINDER toggle switch UP to raise the lights vertically.
 7. To rotate the lights, loosen the black knob on mast and turn the tower assembly with the handles provided. Retighten knob.

HYDRAULIC 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. Loosen black knob and rotate tower until the black triangles are aligned and re-tighten knob.
3. Operate the extend cylinder toggle switch **DOWN** to lower the lights to the lowest vertical position.
4. 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.
5. Operate the lift cylinder toggle switch down to lower the mast from vertical to horizontal into the towing position.

NOTE: *The tower has to be positioned with the winch handle pointing directly forward before the latch can be released. This aligns the tower correctly with the pin in the rear tower support, preventing tower extension during towing.*

6. Secure pin locking mast to rear tower support.
7. Remove ground rod from earth. Disconnect wire from ground lug and secure in trailer.
8. Raise jacks and rear stand, retract outriggers and secure for towing.

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

MODEL AND SERIAL NUMBERING SYSTEM

MODEL NUMBERING SYSTEM

EXAMPLE: ML683HCKFMX

MAXI-LITE trailer, 6KW generator (standard), 1000 Watt Ballast Capacitors, Hydraulic tower, Coiled Cord w/Tunnel, Kubota water cooled engine, Marathon Generator, Metal Halide Lamps, and Light Package

ML-MAXI-LITE trailer

683 - 6KW Gen., standard 1000 watt Ballast Cap.

695 - 6KW Gen., Special Capacity 28 UF

883 - 8KW Gen., standard 1000 watt Ballast Cap.

895 - 8KW Gen.k, Special Cap. 28 UF

XL - 6-Light Option

E - Electric Winch 120V

R - Cord Reel

I - Straight Cord

C - Coiled Cord

P - Perkins 103-10 Water Cooled Engine

W - Lister Petter LPW-3 Water Cooled Engine

K - Kubota Water Cooled Engine

F - Marathon Pancake Generator

P - T & J Power Gard Generator

O - Allmand 6KW Generator

M - Metal Halide, 1000 Watt Multi-Vapor Lamps

H - High pressure sodium 1000 Watt
(Power-lite Fixtures)

X - Indicates stop, turn and tail lights

V - Visor Package

S - Sound Attenuation

NOTE: 50 following a generator letter indicates 50 hertz.

SERIAL NUMBERING SYSTEM

EXAMPLE: 00 03 ML 11

00 - Year of manufacture

03 - Month of manufacture

ML - MAXI-LITE

11 - Allmand code indicating this unit was the 11th produced that month.

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

KUBOTA D905-BG and D1105-BG:

Left side, between manifold and starter

PERKINS 103-10:

Upper right front corner behind injector pump

DESCRIPTION OF MODELS AND OPTIONS

The **MAXI-LITE** hydraulic light tower uses four 1000 Watt Metal Halide or High Pressure Sodium 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 a hydraulically operated tower. The tower is operated by two hydraulic cylinders powered by an electrically driven hydraulic pump. One cylinder, mounted on the trailer frame, erects the mast from the horizontal towing position to vertical. The second cylinder, mounted inside the tower, extends the mast vertically to the desired height. The hydraulic cylinders both erect the mast from horizontal to vertical and extend the mast vertically to the desired height. 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 one of two Kubota water cooled engines, 10.5 hp or 13.6 hp., or a Perkins water cooled 10.7 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.

KUBOTA D905, D1105, AND PERKINS 103.10 FUEL AND LUBRICATING OIL REQUIREMENTS

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 secure.
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 inside 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 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 THE KUBOTA AND PERKINS ENGINES

NOTE: The Kubota and the Perkins engines include 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

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.

SPECIFICATIONS

ELECTRICAL

Hard wired electrical circuits
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

1. A single stage hydraulic cylinder inside the cabinet raises the tower from the horizontal towing position to vertical.
2. A three-stage telescopic hydraulic cylinder supported inside a steel tube mast extends to raise the lights to 30 feet.
3. Hydraulic power is provided by a self-contained 12 volt hydraulic power unit operated by two switches located on the control panel.

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:	6'0" (1.84 m)
Height extended:	30' (9.14 m)
Length:	14'9" (4.49 m)
Width:	6'4" (1.93 m)
Outrigger width:	11'6" (3.5 m)
Trailer:	Structural steel frame Leaf spring axle
Wheels & tires:	15"

DOMESTIC SHIPPING WEIGHT

Fixtures:	15 lbs. ea. = 60 lbs.
Trailer with mast:	2,180 lbs. (902.7 kg)
Total weight:	2,240 lbs. (1016 kg)

SPECIFICATIONS

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) 5.4 US qt. (5.14L)

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 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 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.

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 (5.6°C) 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.



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
Lift up on 6 to raise tower
Press down on 6 to fold the tower
7. Momentary Contact Switch
Lift up on 7 to extend the tower
Press down on 7 to lower the tower
8. Glow Plug Indicator
9. Ignition ON/OFF Switch
10. Control Panel complete

CONTROLS AND COMPONENTS

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

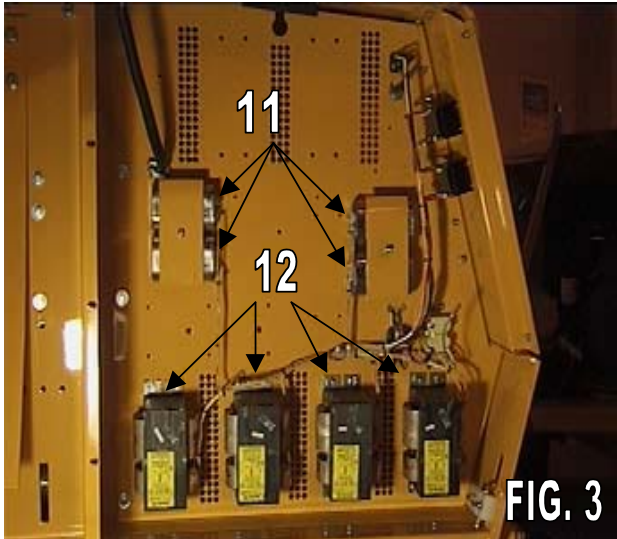


FIG. 3 BALLAST PANEL

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

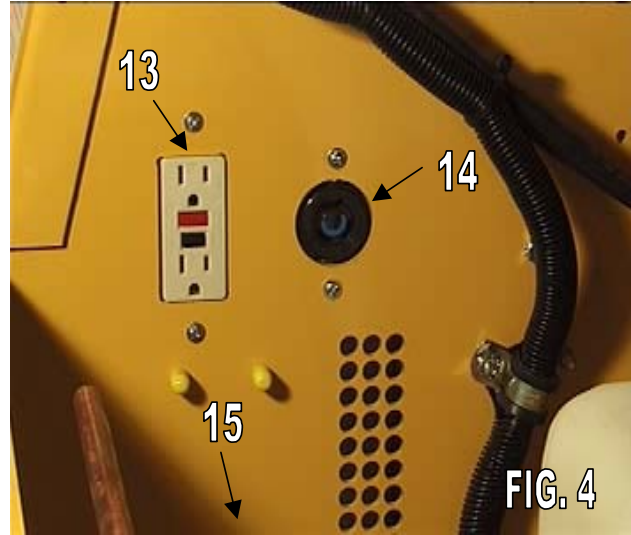


FIG. 4 CONVENIENCE PANEL

- 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.

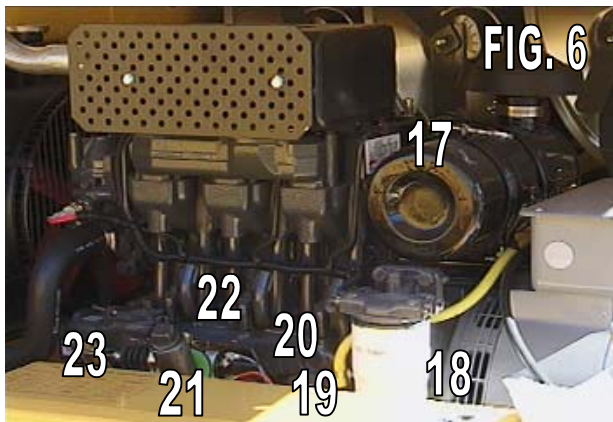


FIG. 6 ENGINE (Left Side)

17. Air Cleaner
18. Fuel Filter
19. Fuel Lift Pump
20. Fuse (10 Amp)
21. Oil fill
22. Stop Solenoid
23. Oil Filter

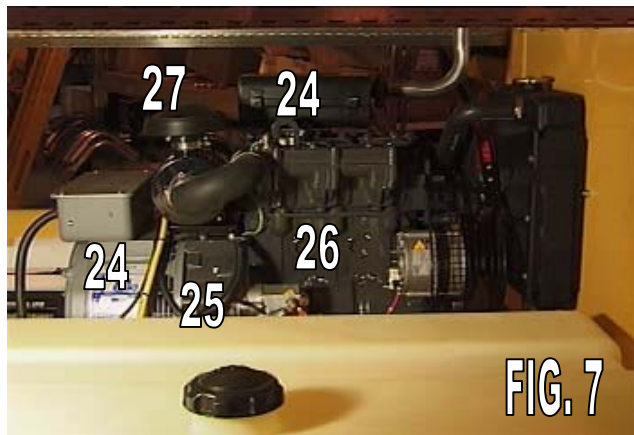


FIG. 7 ENGINE (Right Side)

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. Rear Jack



SAFETY WARNING

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

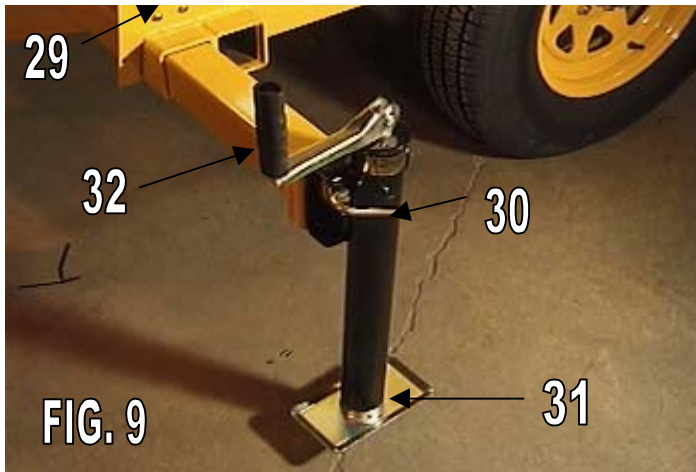


FIG. 9 OUTRIGGER JACK

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.

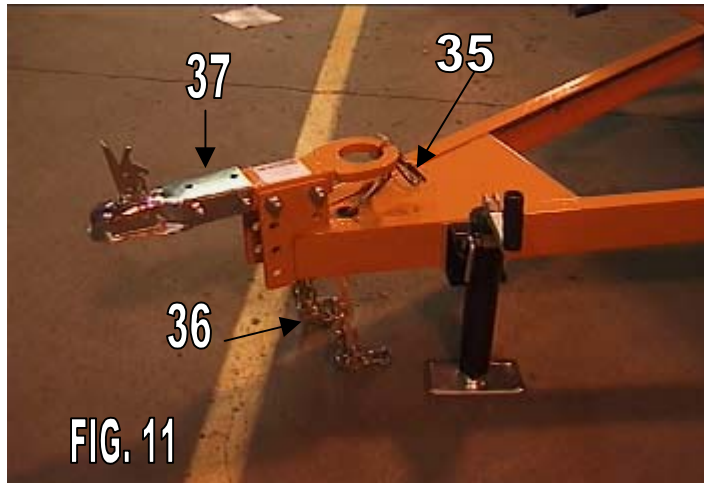


FIG. 11 TONGUE ASSEMBLY

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

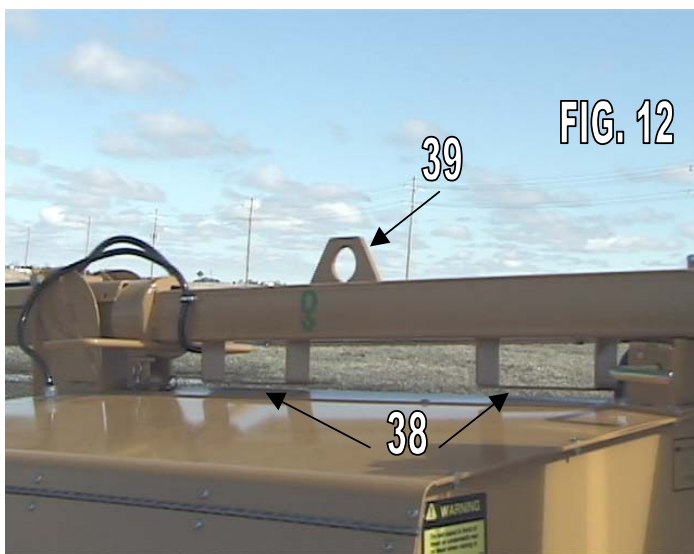


FIG. 12 FORKLIFT POCKETS

- 38. Forklift Pockets
- 39. Lifting Eye

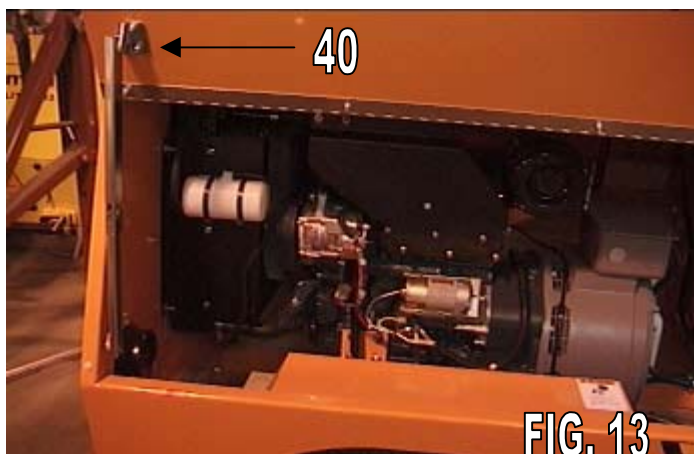


FIG. 13 DOOR PROP

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

CONTROLS AND COMPONENTS

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

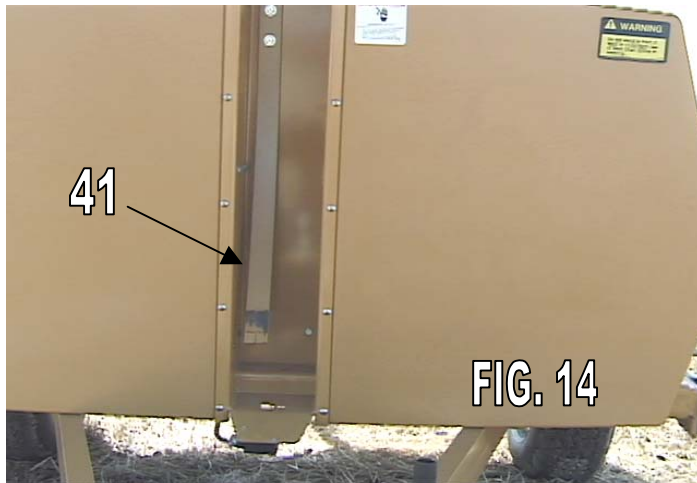


FIG. 14 KICKOUT SPRING

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

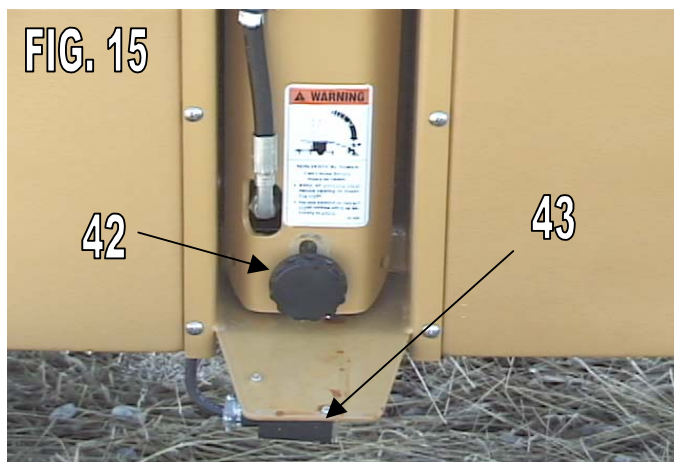


FIG. 15 TOWER LOCKING BAR LATCH

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

43. Mast Locking Bar Safety Switch —
Prevents extension of mast when locking bar is not engaged.

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.*

CONTROLS AND COMPONENTS

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

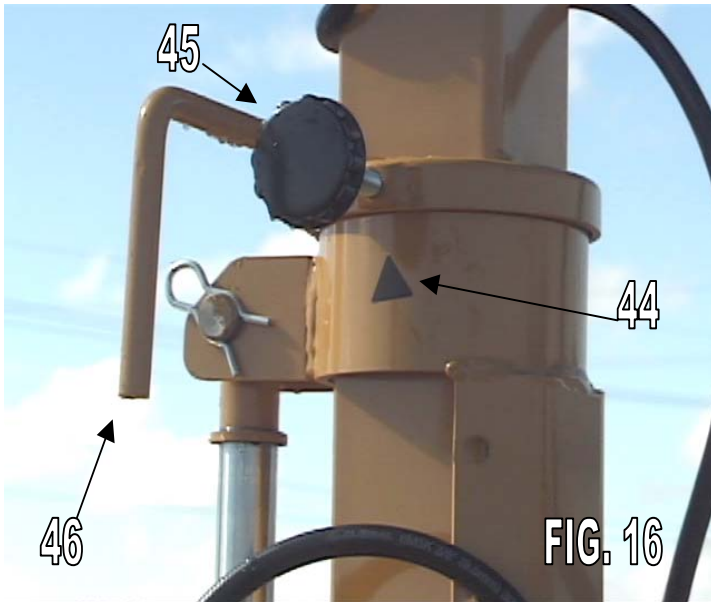


FIG. 16 TOWER CONTROLS

- 44. Alignment arrows—*Must be aligned to unlock the tower*
- 45. Lock Knob—*Locks tower in position.*
- 46. Mast Handles—*Use to rotate tower and lights.*

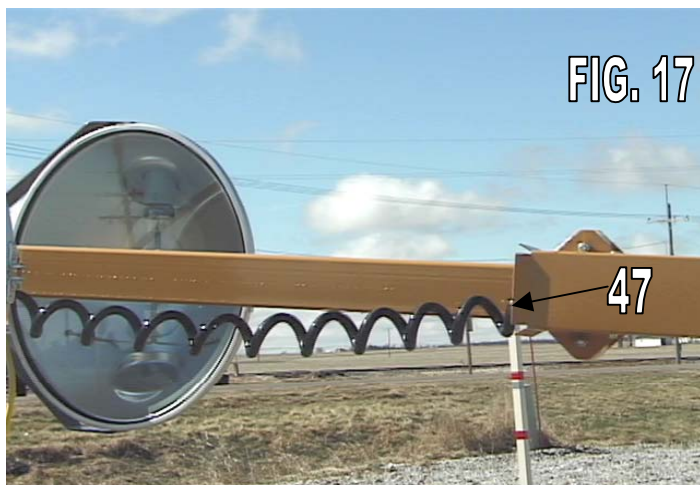


FIG. 17 COIL CORD

- 47. Coil Cord and Coil Cord Tunnel

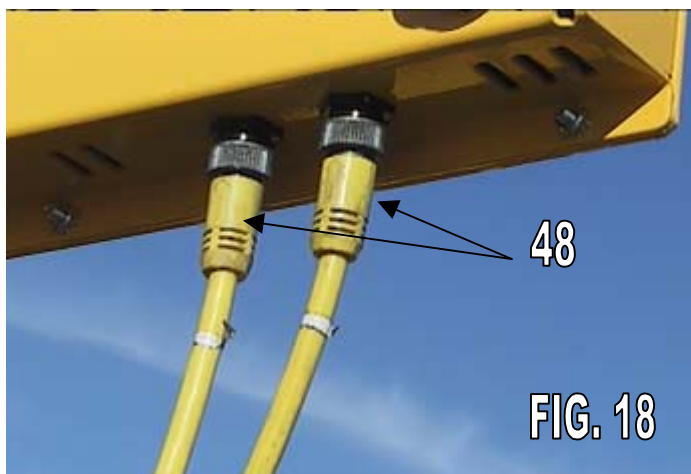


FIG. 18 LAMP CONNECTORS

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

CONTROLS AND COMPONENTS

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

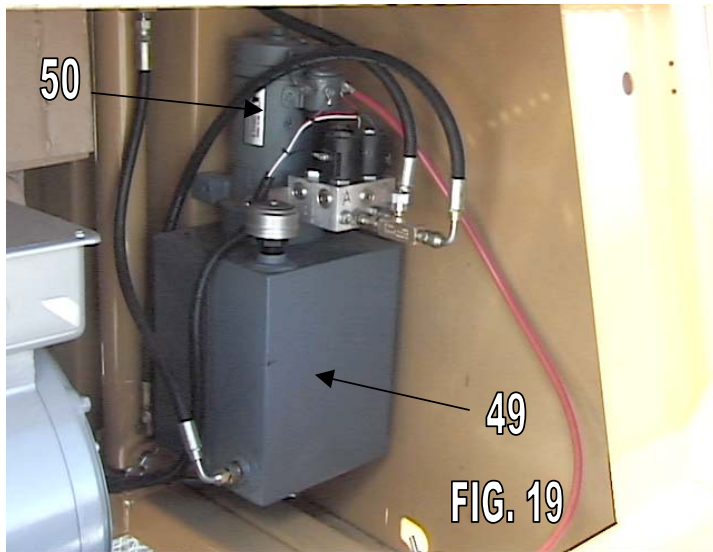


FIG. 19 HYDRAULIC PUMP ASSEMBLY

49. Hydraulic Pump Assembly with Hydraulic Reservoir

50. Electric hydraulic pump drive motor

ROUTINE MAINTENANCE SCHEDULE

KUBOTA D905 and D1105 and PERKINS 103-10 INSPECTION AND LUBRICATION SCHEDULE

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.
100 Hr.	All 10 Hr. items	As above
	Air Cleaner	Service as required. Service requirements may be accelerated
	Battery	Check level of electrolyte
	Engine Generator assembly	Check for fuel and lubricating oil leaks
200 Hr.	All 100 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
	Coolant	Check level and condition
400 Hr.	Fuel Filter	Replace with new.
500 Hr.	All 200 Hr. Items	As above
	Fan belt	Check tension and condition
	Radiator	Clean out fins with water or air
1000 hr. or yearly	All 500 Hr. Items	As above
	Engine Valves	Adjust clearance
	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 lamp 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 has failed.
	15. Corrosion has occurred on the lamp bases.

Allmand™

MAXI-LITE

MAXI-LITE ML 6/ML 8 HYDRAULIC TOWER PARTS MANUAL

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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**

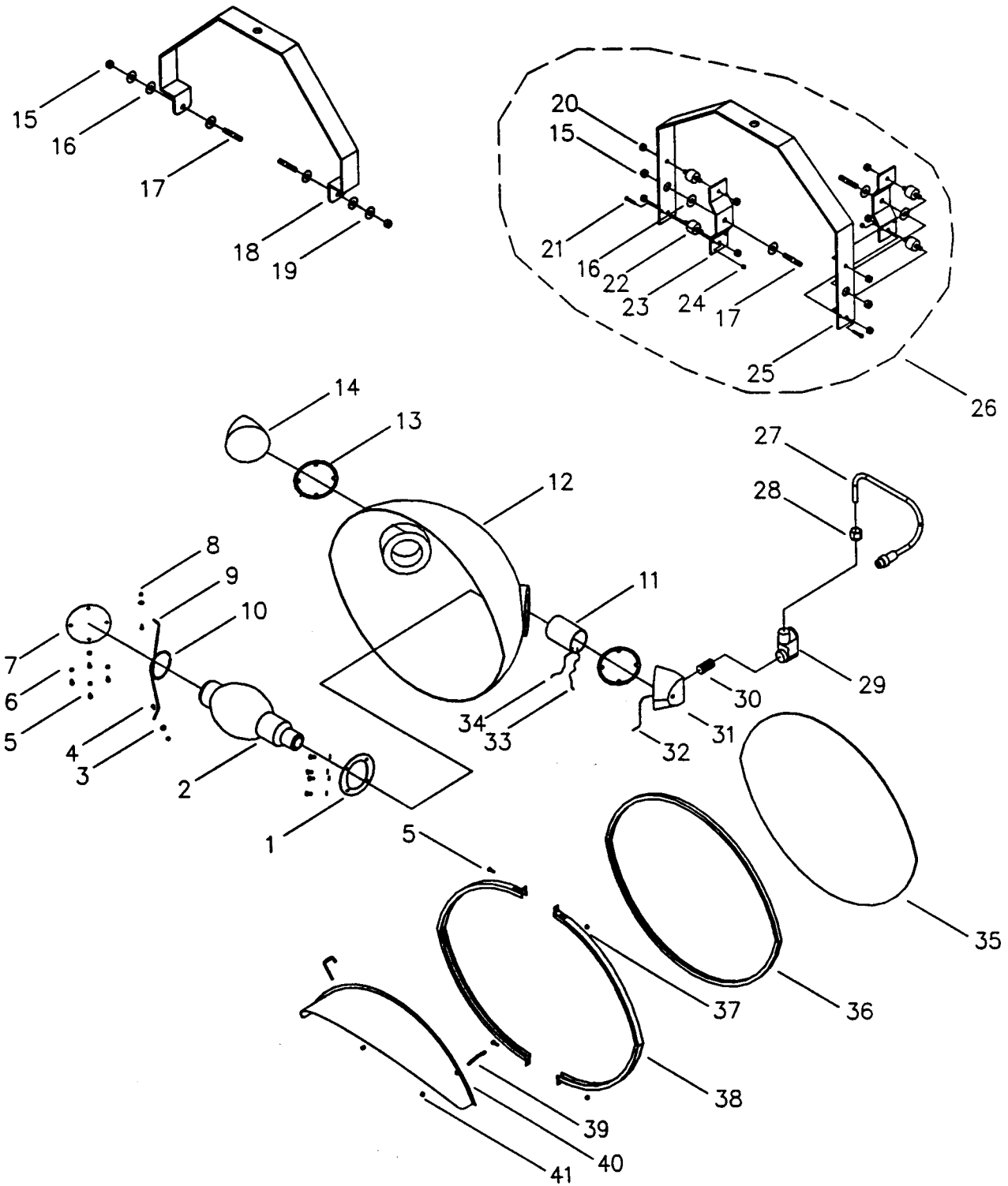
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MAXI-LITE SERIES W/ HYDRAULIC TOWER

SHO 1000 METALLIC VAPOR LAMP SHO 1000 HIGH PRESSURE SODIUM LAMP

A-1A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

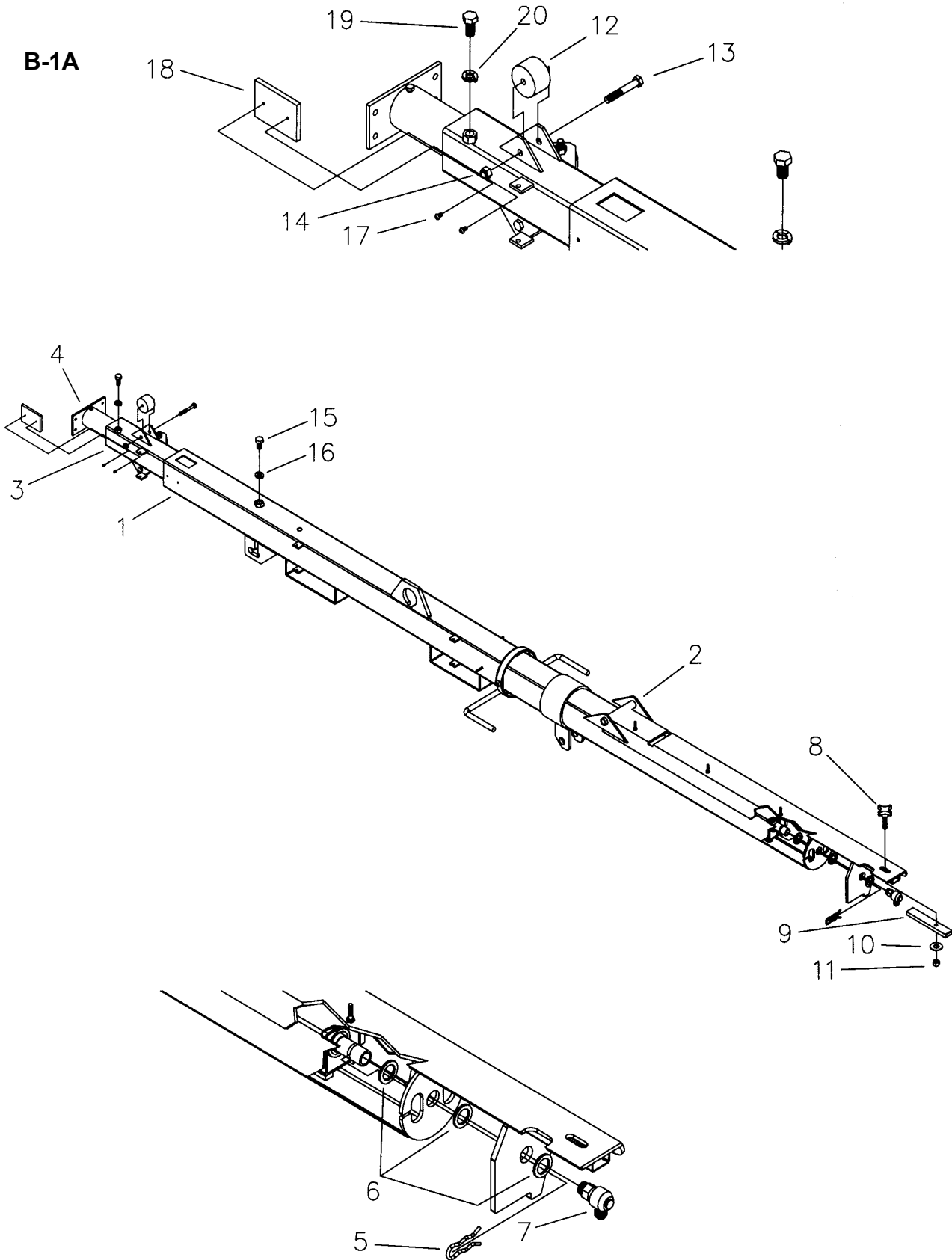
SHO 1000 METALLIC VAPOR LAMP SHO 1000 HIGH PRESSURE SODIUM LAMP

NO	PART NO	DESCRIPTION	A-1B
NS	610250	LAMP HOLDER ASS'Y WITH YOKE AND LAMP (SOLID MT.)	
NS	610251	LAMP HOLDER ASS'Y WITH YOKE AND NO LAMP (SOLID MT.)	
NS	610252	LAMP HOLDER ASSEMBLY WITH NO YOKE OR LAMP	
NS	610255	LAMP HOLDER ASSEMBLY W/YOKE, LAMP AND CUSHIONS (CUSHION MT.)	
NS	610253	LAMP HOLDER ASSEMBLY W/ YOKE AND CUSHIONS NO LAMP (CUSH MT.)	
1	610208	ALUMINUM RING	
2	610211	LAMP BT-37	
NS	610218	LAMP (HIGH PRESSURE SODIUM)	
3	**	8-32 WASHER (STAINLESS STEEL)	
4	**	8-32 X 1/2 HEX HEAD BOLT (STAINLESS STEEL)	
5	**	10- 24 X 1/2 HEX HEAD BOLT (STAINLESS STEEL)	
6	**	#10 INTERNAL TOOTH WASHER	
7	610207	ALUMINUM PLATE	
8	**	8-32 NYLON LOCK NUT (STAINLESS STEEL)	
9	610209	LAMP TIP SUPPORT	
10	610210	LAMP TIP SUPPORT TUBE	
11	610212	CERAMIC SOCKET	
12	610201	REFLECTOR	
13	610213	END HOUSING GASKET	
14	610206	RH SOLID END CASTING	
15	**	3/8-24 NYLON LOCK NUT (STAINLESS STEEL)	
16	FW019	.75 OD x .385 ID x .20 NYLON WASHER	
17	HD142	3/8 - 24 NF X 3/8 - 16 NC X 2" STUD	
18	660130	SOLID MOUNT YOKE	
19	**	3/8 SAE WASHER	
20	**	5/16 - 18 KEPS NUT	
21	**	10 - 24 X 1 1/2 HEX HEAD BOLT	
22	610260	RUBBER SHOCK MOUNT SHO 1000	
23	610235	SHO CUSHION MOUNT PLATE	
24	**	10-24 NYLON LOCK NUT	
25	610234	SHO 1000 CUSHION MOUNT YOKE	
26	610236	SHO 1000 CUSHION MOUNT YOKE ASSEMBLY	
27	310434	LAMP CONNECTOR AND LEAD	
28	510007	1/2" CORD GRIP	
29	610214	1/2" SLB ENTRANCE ELBOW	
30	610215	1/2" CONDUIT NIPPLE	
31	610205	LH SOCKET END CASTING	
32	~	GREEN HEAT TEMP WIRE	
33	~	BLACK HEAT TEMP WIRE	
34	~	WHITE HEAT TEMP WIRE	
35	610203	LENS	
36	610217	LENS GASKET (SILICONE)	
37	**	10-24 NYLON LOCK NUT (STAINLESS STEEL)	
38	610202	LENS CHANNEL SET	
39	HD070	10-24 SQ BD HOOK BOLT	
40	610017	SHO 1000 LIGHT VISOR	
41	**	10-24 KEPS NUT	

LEGEND: NS = Not Shown
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

HYDRAULIC TOWER ASSEMBLY



MAXI-LITE SERIES W/ HYDRAULIC TOWER

HYDRAULIC TOWER ASSEMBLY

B-1B

NO	REQ'D	PART NO	DESCRIPTION
1	1	352222	4" HYDRAULIC TOWER, COIL CORD
2	1	352198	HYDRAULIC TOWER BACKBONE
3	1	352216	3" HYDRAULIC TOWER
4	1	352206	HYDRAULIC TOWER TELESCOPIC CYLINDER
5	1	620545	HAIRPIN CLAMP
6	3	FW055	1" NARROW MACHINE BUSHING
7	1	352209	HYDRAULIC SWIVEL FITTING
8	1	620550	LOCKING KNOB 1/2-13 NC x 2"
9	1	352168	MAST LOCKING BAR
10	1	**	5/8 FLAT WASHER
11	1	**	1/2-13 NC NYLON INSERT NUT
12	3	FP010	2" NYLON ROLLER
13	3	**	3/8-16 NC x 2-1/2 GRADE 5 BOLT
14	3	**	3/8-16 NC NYLON INSERT NUT
15	1	**	5/8-11 NC x 1" GRADE 5 BOLT
16	1	**	5/8 SPLIT LOCK WASHER
17	2	MS023	#10 x 3/8 SELF-TAPPING PLASTIC SCREW
18	1	650110	PLASTIC TOWER PAD, 5/16
19	1	**	1/2-13 x 1" GRADE 8 BOLT
20	1	**	1/2" SPLIT LOCK WASHER

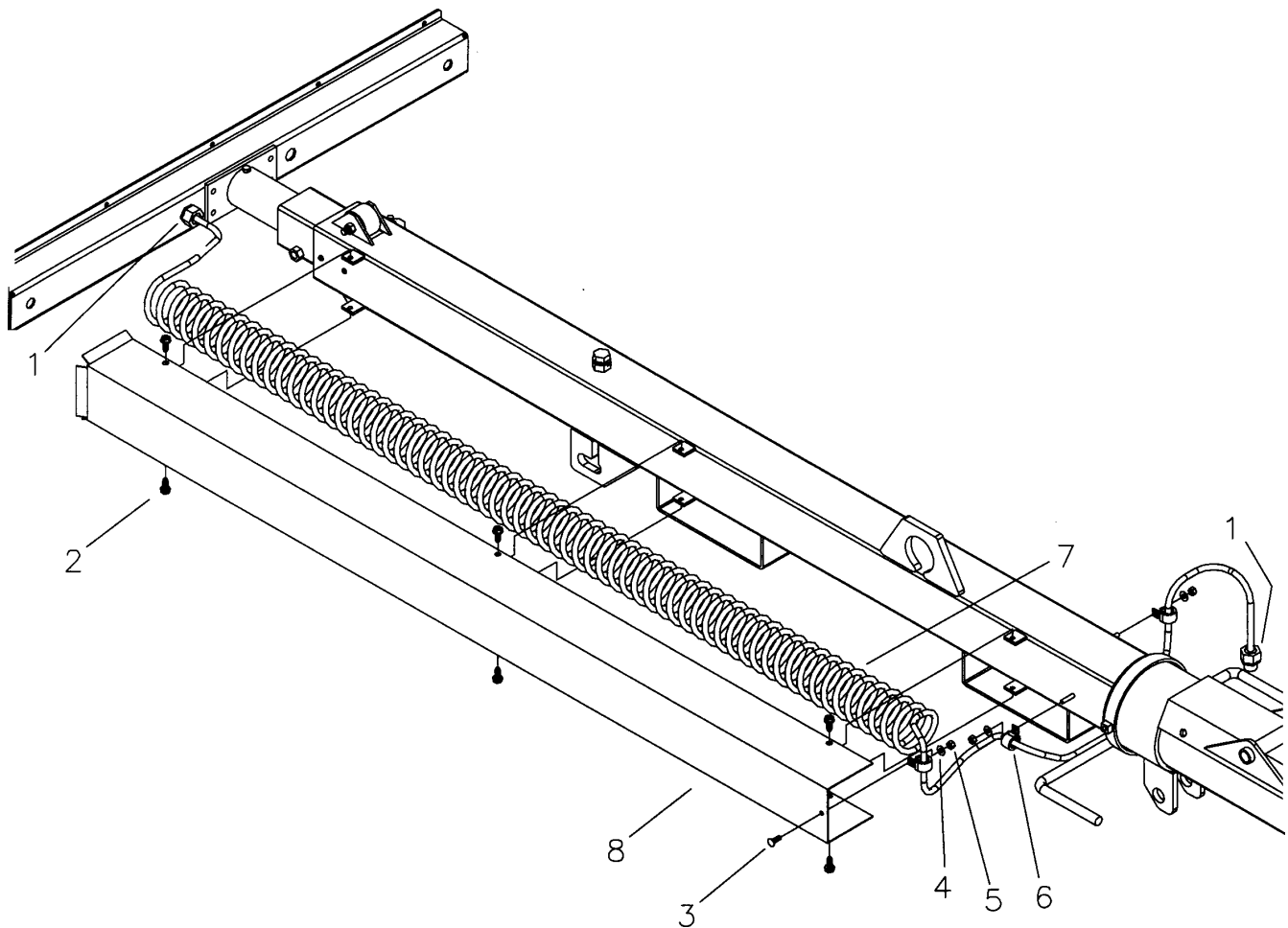
LEGEND: NS = Not Shown

** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

HYDRAULIC TOWER COIL CORD ASSEMBLY

B-2A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

HYDRAULIC TOWER COIL CORD ASSEMBLY

B-2B

NO	REQ'D	PART NO	DESCRIPTION
1	2	310032	CORD GRIP
1A	2	EL039	1/2" BUSHING
2	6	**	5/16-18 NC x 3/4 SELF-TAPPING SCREW
3	1	MS050	1/4-20 NC x 3/4 TRUSS HEAD SCREW
4	3	**	1/4 FLAT WASHER
5	3	**	1/4-20 NC HEX NUT
6	3	EL022	#8 CUSHION CLAMP
7	1	320126	COIL CORD 16/8
8	1	352224	TUNNEL, COIL CORD, HYDRAULIC TOWER

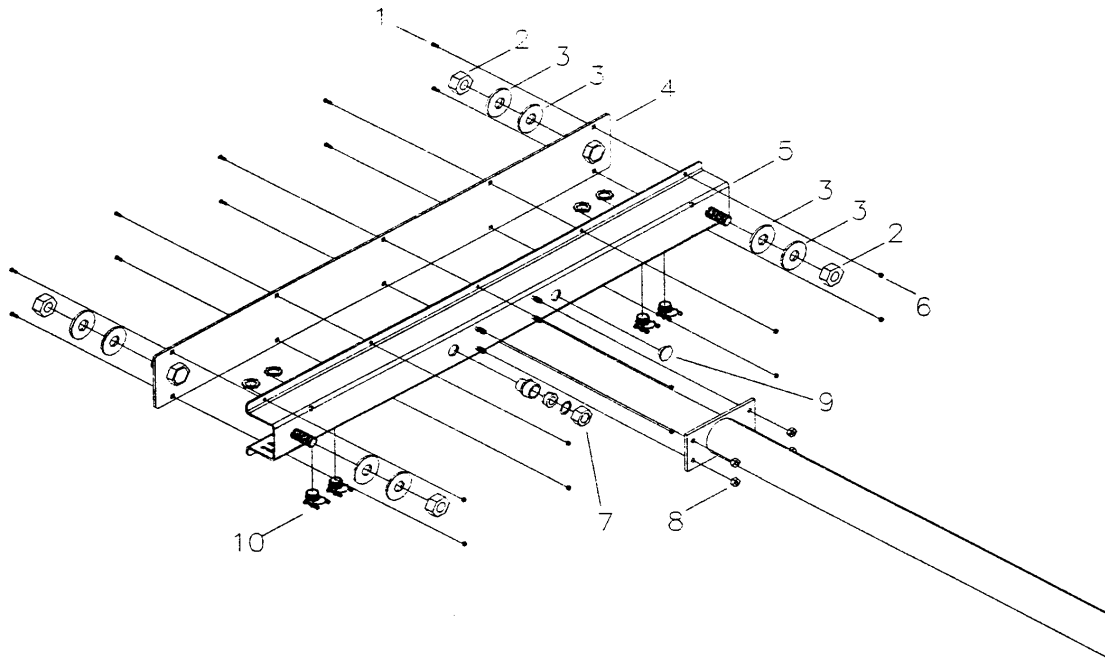
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** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

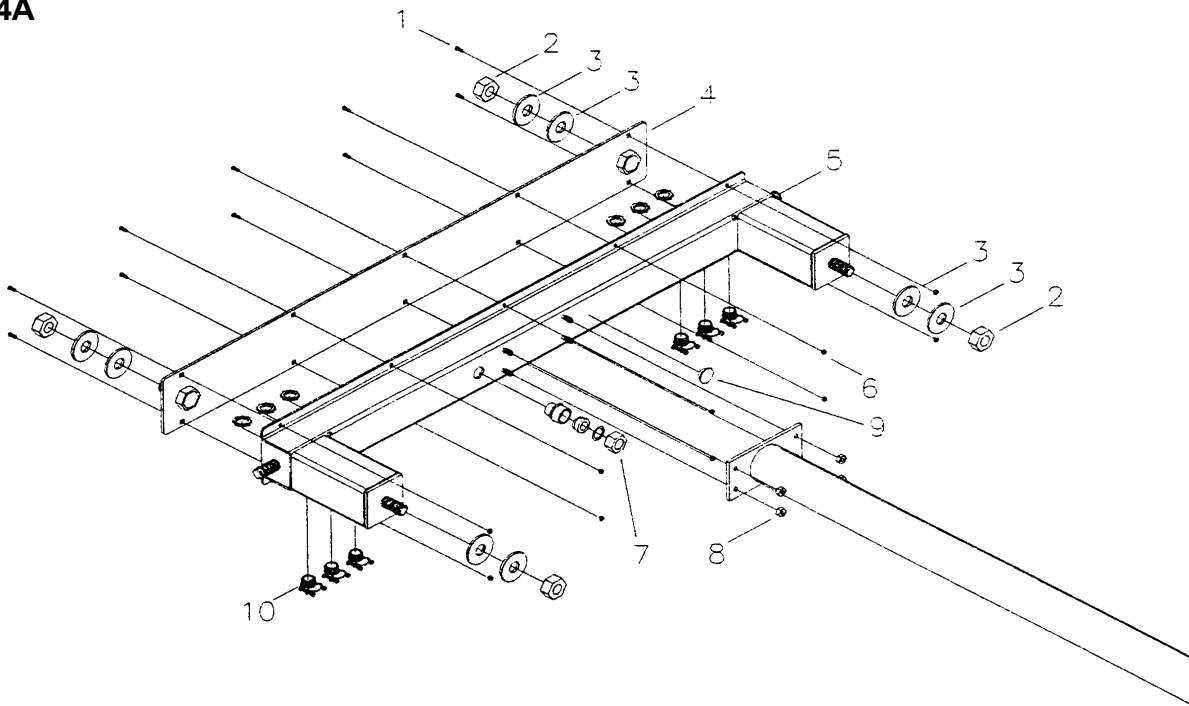
4-LIGHT LIGHT BAR ASSEMBLY

B-3A



6-LIGHT LIGHT BAR ASSEMBLY

B-4A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

4-LIGHT LIGHT BAR ASSEMBLY

B-3B

NO	REQ'D	PART NO	DESCRIPTION
		352042	LIGHT BAR ASSEMBLY, 4-LIGHT
		352250	LIGHT BAR ASSEMBLY, 4-LIGHT (ALLMAND GOLD)
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	352038	LIGHT BAR COVER PLATE
		352257	LIGHT BAR COVER PLATE (ALLMAND GOLD)
5	1	352035	LIGHT BAR FRAME ONLY
		352256	LIGHT BAR FRAME ONLY (ALLMAND GOLD)
6	10	**	1/4 - 20 NC KEPS NUT
7	1	310032	CORD GRIP NUT - METAL
7A	1	EL039	1/2" BUSHING
8	4	**	5/16 - 18 NC KEPS NUT
9	1	711029	LOCKING HOLE PLUG
10	4	310414	LAMP CONNECTOR, FEMALE

LEGEND: NS = Not Shown

** = Purchase Locally

6-LIGHT LIGHT BAR ASSEMBLY

B-4B

NO	REQ'D	PART NO	DESCRIPTION
		352045	LIGHT BAR ASSEMBLY, 6-LIGHT
		352349	LIGHT BAR ASSEMBLY, 6-LIGHT (ALLMAND GOLD)
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
	1	352351	LIGHT BAR COVER PLATE (ALLMAND GOLD)
5	1	352030	LIGHT BAR FRAME ONLY
	1	352350	LIGHT BAR FRAME ONLY (ALLMAND GOLD)
6	10	**	1/4 - 20 NC KEPS NUT
7	1	310032	CORD GRIP NUT - METAL
7A	1	EL039	1/2" BUSHING
8	4	**	5/16 - 18 NC KEPS NUT
9	1	711029	LOCKING HOLE PLUG
10	6	310414	LAMP CONNECTOR, FEMALE

LEGEND: NS = Not Shown

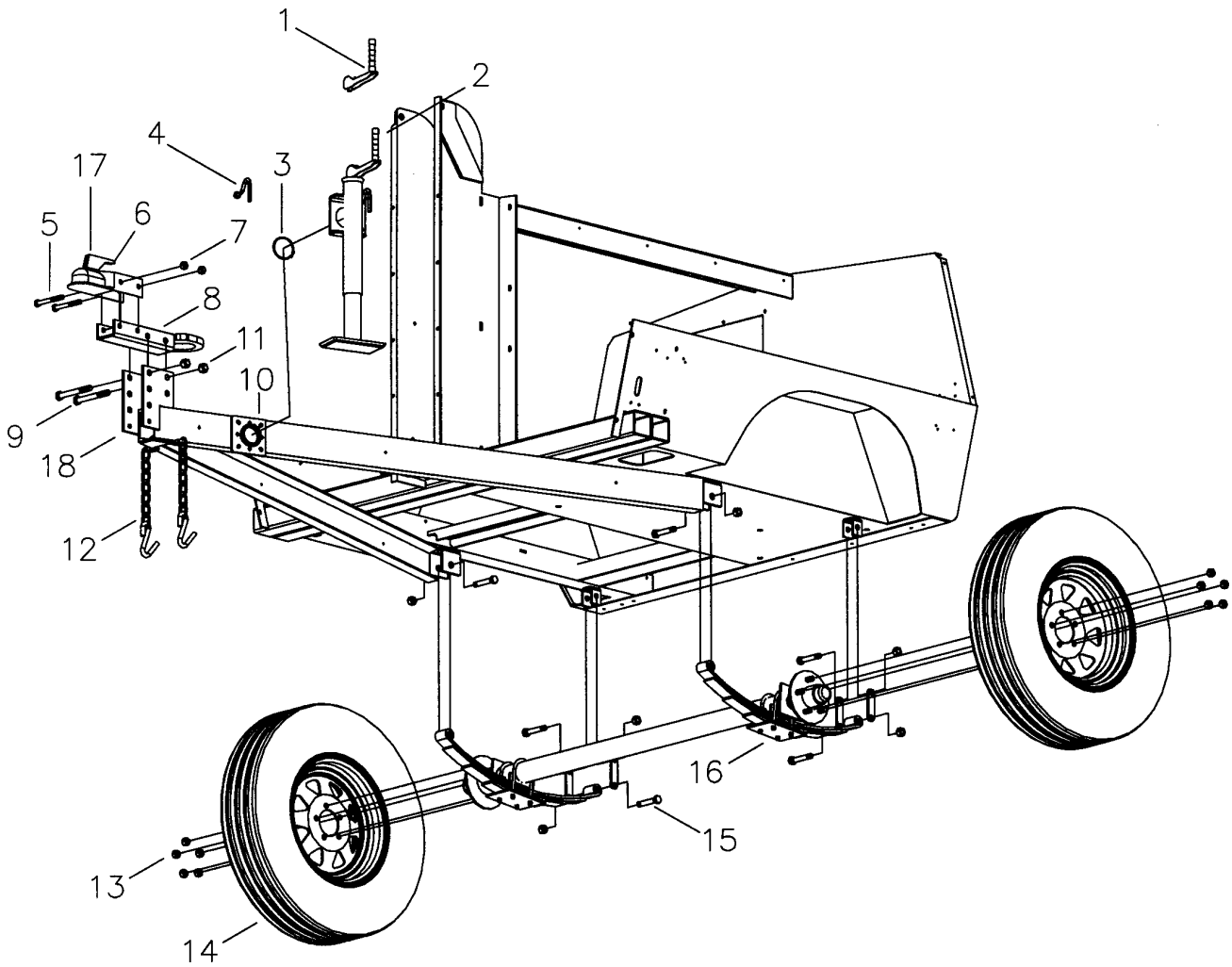
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

AXLE ASSEMBLY, HITCH ASSEMBLY AND TONGUE JACK

C-1A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

AXLE ASSEMBLY, HITCH ASSEMBLY AND TONGUE JACK

C-1B

NO	REQ'D	PART NO	DESCRIPTION
1		330012	REPLACEMENT JACK HANDLE FOR 330008
2	1	330008	SHORT 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 330008)
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		712008	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)
		RG020	TIRE P225/75R15
		RG075	TIRE VALVE STEM
15	1	RG025	AXLE MOUNTING HARDWARE KIT
16	1	352021	AXLE 3000 LB. 56"/44"
17		712021	2" BALL COUPLING KIT
18		712552	HITCH PLATE, ONE EACH
NS		712542Y	REVERSIBLE HITCH ASSY. (712021 AND 712540Y)
		680135	REVERSIBLE HITCH ASSY. (ALLMAND GOLD)
NS		330007	HUB W/RACES
NS		330005	BEARING SET
NS		330004	HUB W/RACES AND BEARING SET

LEGEND: NS = Not Shown

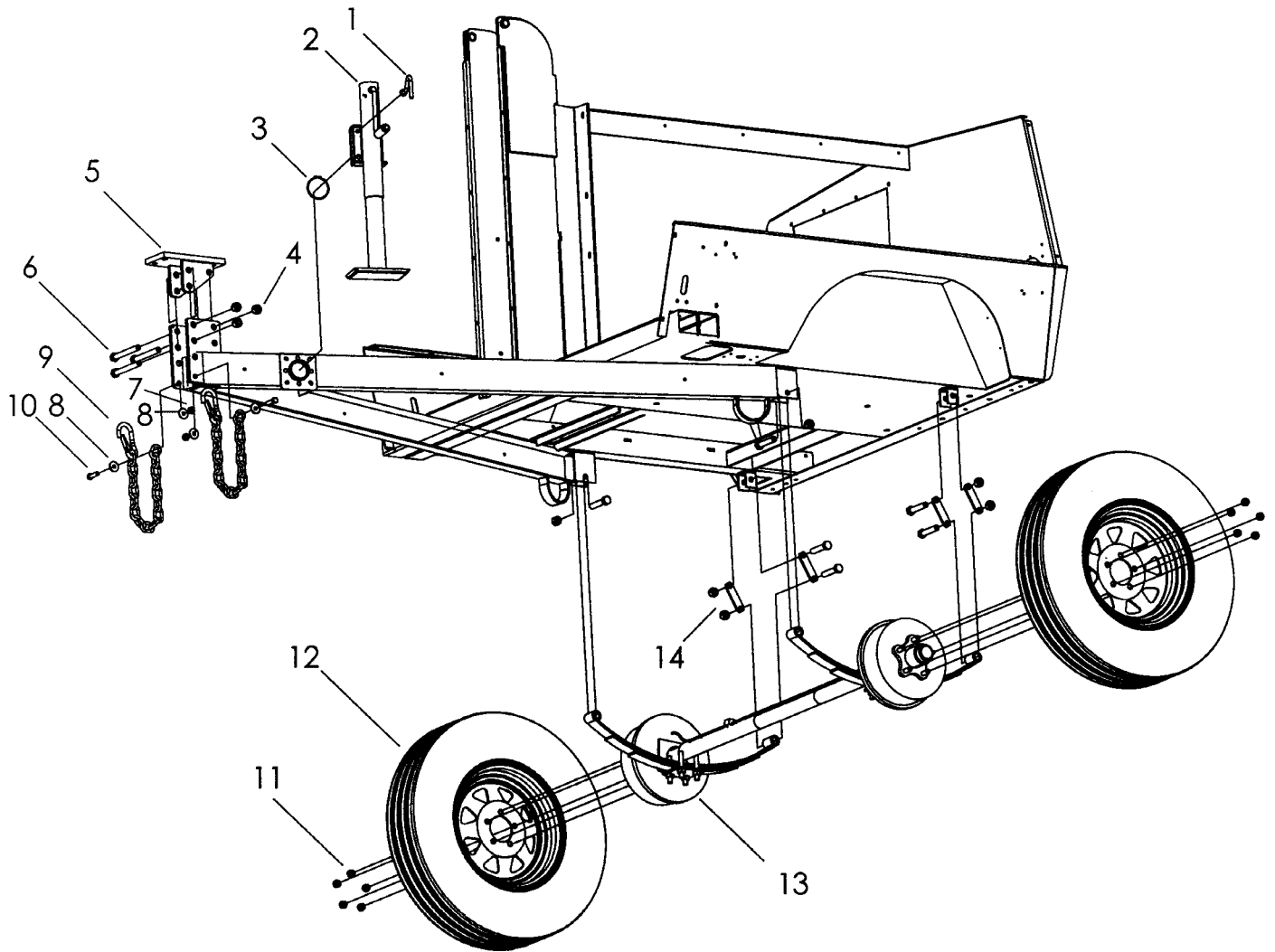
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

HYDRAULIC BRAKE AXLE ASSEMBLY, HITCH ASSEMBLY AND TONGUE JACK

C-1C



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

HYDRAULIC BRAKE AXLE ASSEMBLY, HITCH ASSEMBLY AND TONGUE JACK

C-1D

NO	REQ'D	PART NO	DESCRIPTION
1	1	330014A	JACK HOLE PIN KIT
2	1	650235	SHORT JACK, SIDE CRANK
3	1	330014	JACK SNAP RING 2-5/16 XT
4	3	044061	5/8-11 NC TOPLOCK NUT
5	1	680398	SURGE BRAKE MOUNT
6	3	046250	5/8-11 NC X 5 GRADE 5 BOLT
7	2	044043	7/16-14 NC NYLON LOCK NUT
8	4	047016	3/8 FLAT WASHER
9	1	049040	SAFETY CHAIN SET
10	2	046160	7/16-14 NC X 1-1/2 GRADE 5 BOLT
11	10	044099	AXLE LUG NUT
12	2	680136	WHEEL, SPOKE (ALLMAND GOLD)
		032020	TIRE P225/75R15
		032075	TIRE VALVE STEM
13	1	352138	HYDRAULIC BRAKE AXLE
14	1	032025	AXLE MOUNTING HARDWARE KIT
NS	1	330025A	SINGLE AXLE HYDRAULIC KIT

LEGEND: NS = Not Shown

** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

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
NS		352037	TAILLIGHT WIRING HARNESS

LEGEND: NS = Not Shown

** = Purchase Locally

BATTERY, CABLES, AND GROUND STRAP

C-3B

NO	REQ'D	PART NO	DESCRIPTION
1	1	713098	36" BATTERY CABLE
2	1	BC010	21" BATTERY CABLE
3	2	**	5/16 - 18 NC NYLON INSERT NUT
4	1	340017	NYLON BATTERY HOLD DOWN
5	1	BT002	12 VOLT BATTERY
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

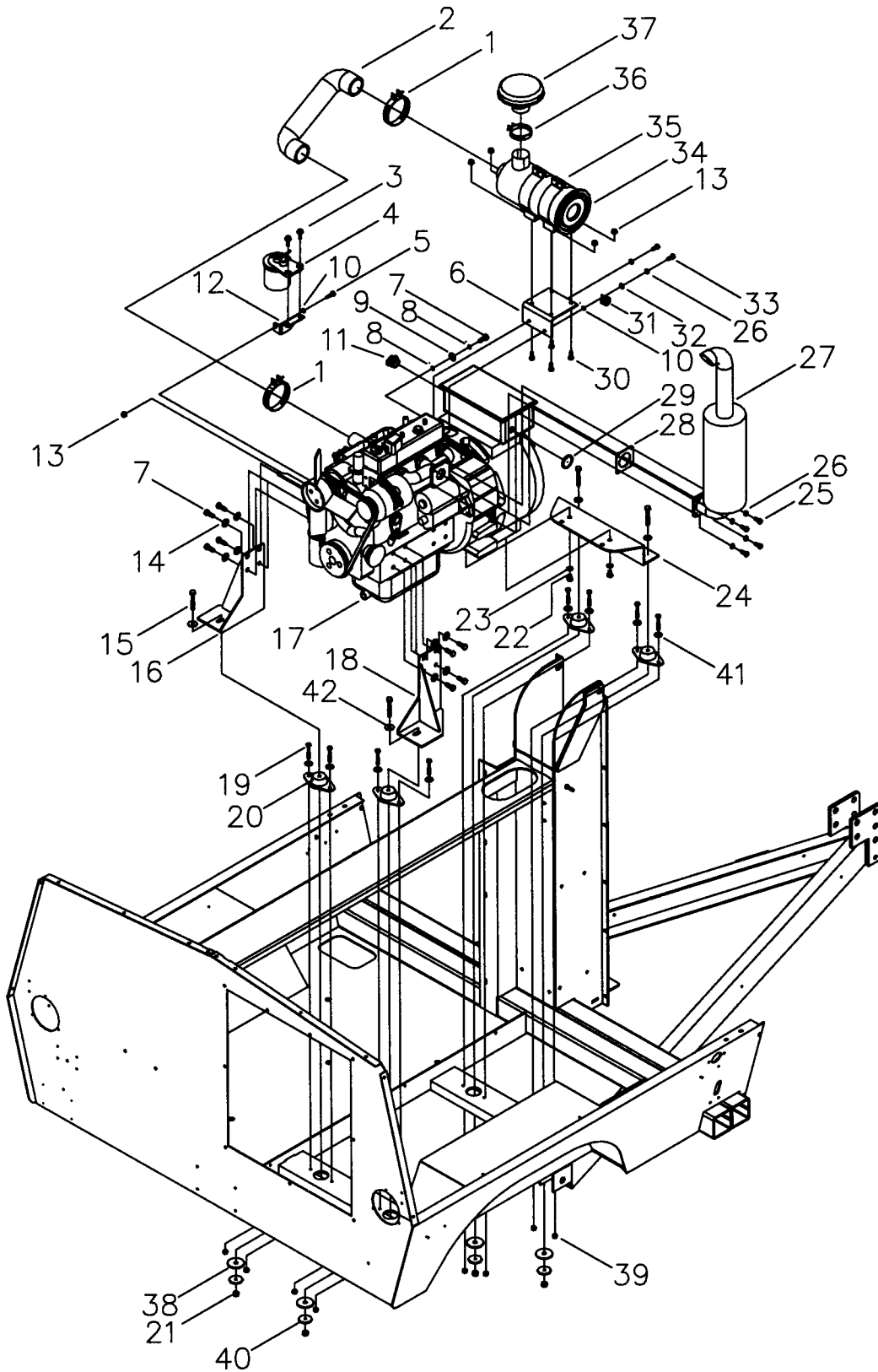
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

KUBOTA/PERKINS ENGINE/GENERATOR SET

C-4A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

KUBOTA/PERKINS ENGINE/GENERATOR SET

C-4B

NO	REQ'D	PART NO	DESCRIPTION
1	2	HD030	HOSE CLAMP #40
2	1	650272	AIR INTAKE HOSE, KUBOTA (640273 BEFORE 3/1/99)
3	2	**	8mm X 20mm X 1.25 GRADE 8.8 BOLT
4	1	920745	KUBOTA FUEL FILTER
5	1	**	5/16 - 18 NC X 1 1/4 GRADE 5 BOLT
6	1	650291	AIR CLEANER MOUNT PLATE, KUBOTA (AFTER 03/1/99) (650157 BEFORE 3/1/99)
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	EL025	2-SCREW ROMEX CLAMP 3/4
NS		EL036	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
	1	680127	ENGINE MOUNT BRACE, RIGHT (ALLMAND GOLD)
17	1	100990	KUBOTA 1105 WITH DEEP SEA PANEL
18	1	640282	ENGINE MOUNT BRACE, LEFT
	1	680126	ENGINE MOUNT BRACE, LEFT (ALLMAND GOLD)

LEGEND: NS = Not Shown

** = Purchase Locally

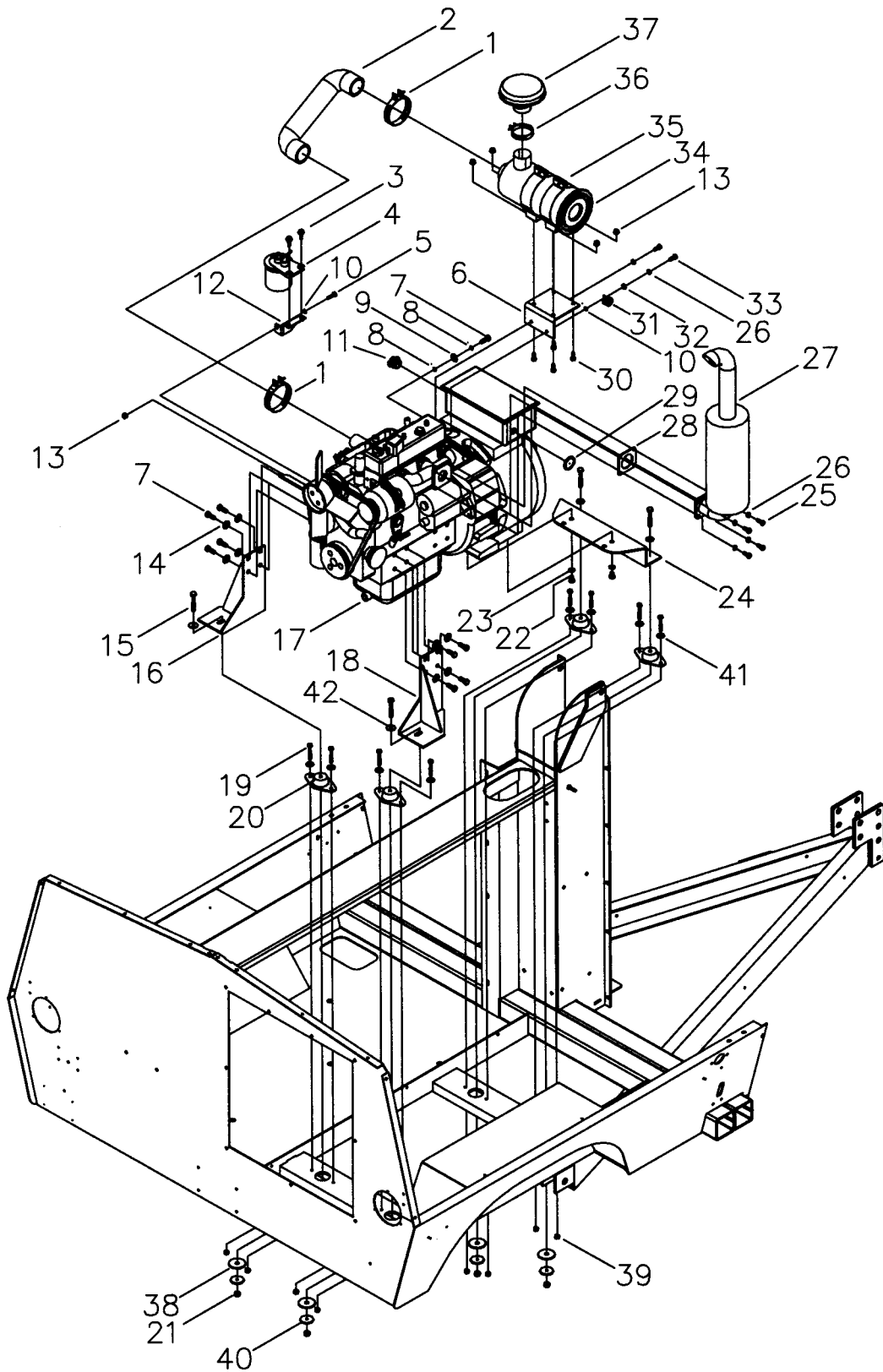
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MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

KUBOTA/PERKINS ENGINE/GENERATOR SET

C-4A CONT



MAXI-LITE SERIES W/ HYDRAULIC TOWER

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	352033	GENERATOR MOUNT PLATE, KUBOTA
		680128	GENERATOR MOUNT PLATE, KUBOTA (ALLMAND GOLD)
A. S.	1	352144	GENERATOR MOUNT PLATE, LIMA MAC
		352357	GENERATOR MOUNT PLATE, LIMA-MAC (ALLMAND GOLD)
25	4	**	8mm X 25mm X 1.25 GRADE 8.8 BOLT
26	5	**	5/16 SPLIT LOCK WASHER
27	1	650173	MUFFLER PRO GT
NS	1	352139	KUBOTA BOX MUFFLER KIT
NS	1	352126	KUBOTA BOX MUFFLER HEAT SHIELD
NS	1	352140	KUBOTA EXHAUST PIPE
28	1	650234	EXHAUST MANIFOLD MOUNT GASKET (KUBOTA)
29	1	**	CAP PLUG
30	4	**	5/16 - 18 X 3/4 GRADE 5 BOLT
31	1	**	#6 CUSHION MOUNT
32	1	**	1/4 FLAT WASHER
33	2	**	8mm X 20mm X 1.25 GRADE 10.9 BOLT
34	1	340034	AIR CLEANER
35	2	340038	AIR CLEANER BAND
36	1	HD038	HOSE CLAMP #32
37	1	340032	AIR CLEANER CAP
38	4	640565	ENGINE MOUNT WASHER
39	8	**	5/16 - 18 NYLON INSERT NUT
40	4	650260	SNUBBING WASHER
41	4	**	5/16 FLAT WASHER
42	4	**	3/8 FLAT WASHER
NS	1	680395	GENERATOR MOUNT CE AVR GENERATOR
NS	1	340189	GENERATOR AVR 8KW CE
NS	1	654000	8 Kw AVR MARATHON GENERATOR

LEGEND: NS = Not Shown

** = Purchase Locally

@@@ = See Kubota Dealer

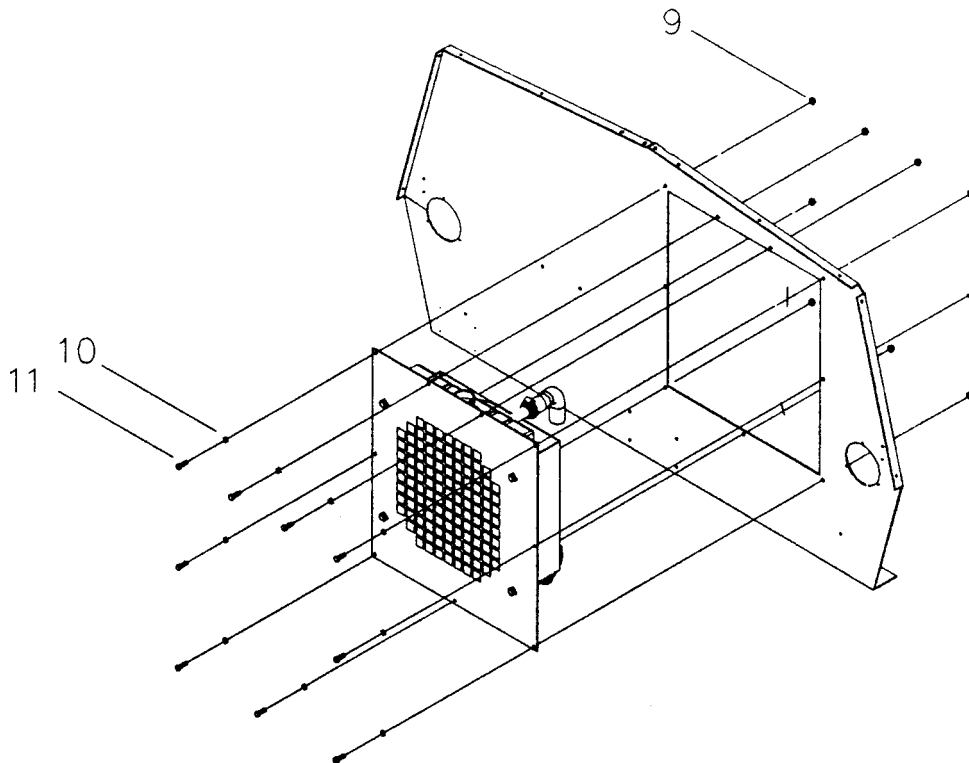
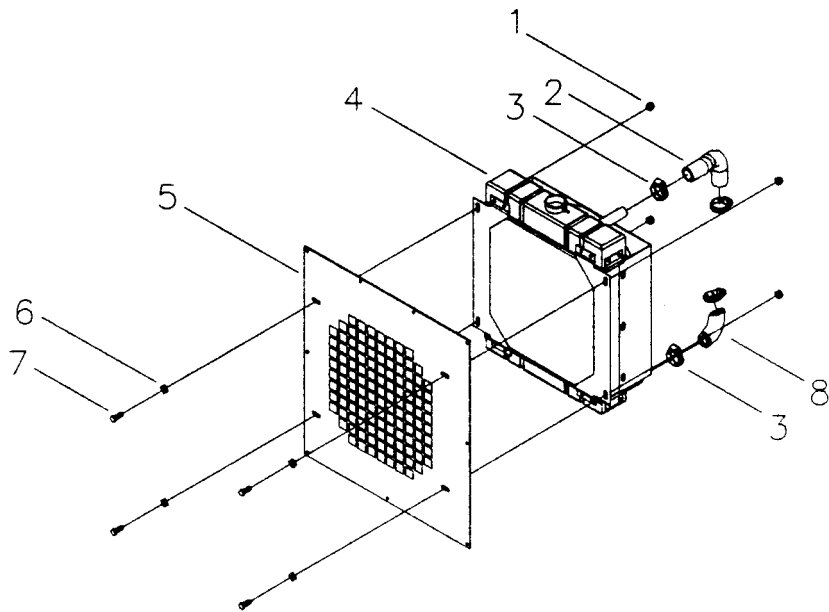
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MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

KUBOTA RADIATOR AND MOUNTING PLATE

C-5A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

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	HD035	#20 HOSE CLAMP
4	1	650107	KUBOTA RADIATOR
5	1	352075	KUBOTA RADIATOR MOUNT PLATE
	1	352359	KUBOTA RADIATOR MOUNT PLATE (ALLMAND GOLD)
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

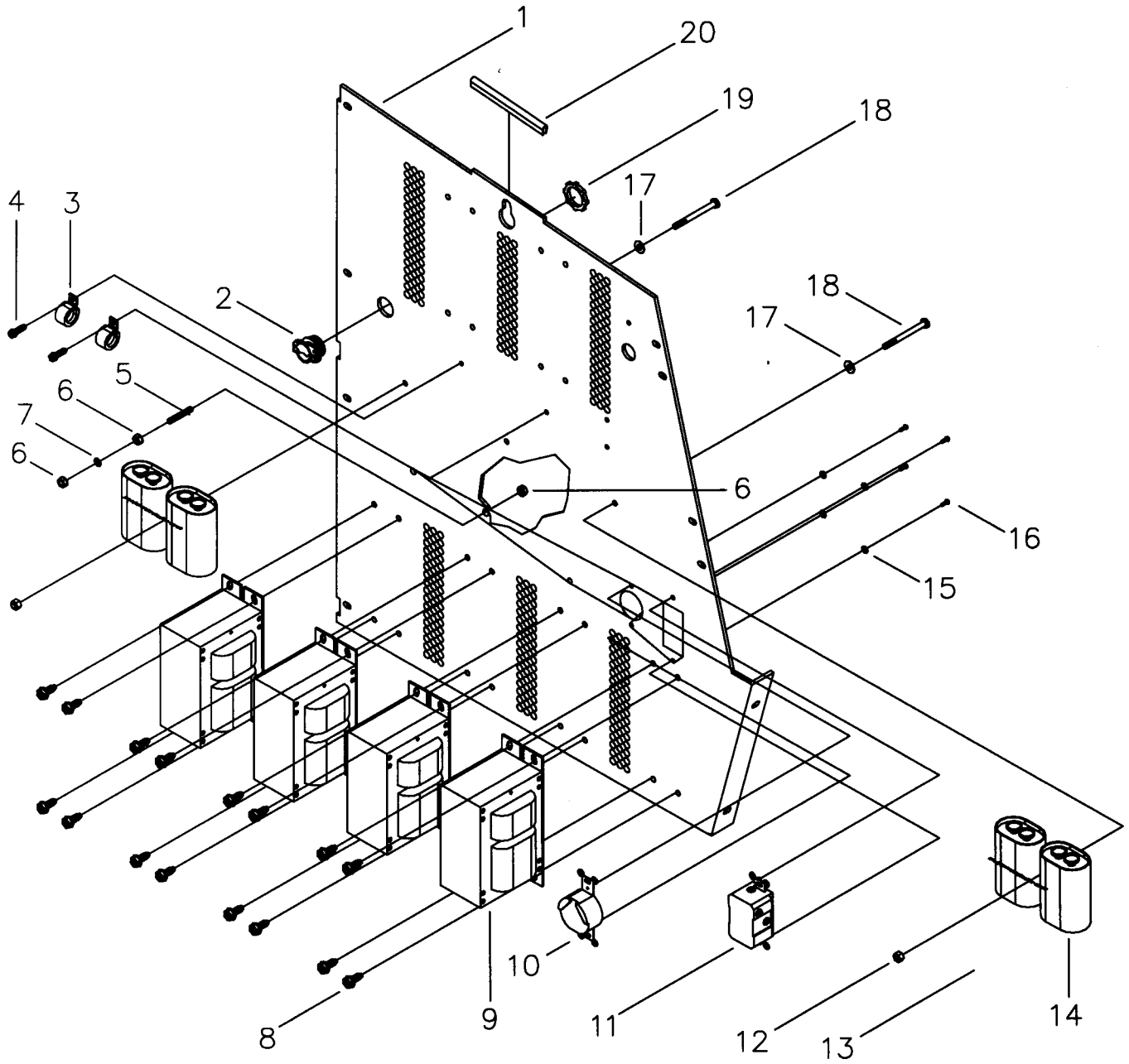
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MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

4-LIGHT BALLAST ASSEMBLY

C-6A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

4-LIGHT BALLAST ASSEMBLY

C-6B

NO	REQ'D	PART NO	DESCRIPTION
		352004	BALLAST ASSY COMPLETE (24 UF)
		680144	BALLAST ASSY COMPLETE (24 UF) (ALLMAND GOLD)
		352082	BALLAST ASSY COMPLETE (28 UF)
		352185	BALLAST ASSY COMPLETE (28 UF) (ALLMAND GOLD)
1	1	352009	BALLAST PANEL, ONLY
	1	352188	BALLAST PANEL, ONLY (ALLMAND GOLD)
2	1	EL025	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)
11	1	630132A	RECEPTACLE 120V. GFCI (6KW ONLY)
	1	330499	20 AMP DUPLEX GFCI (8KW ONLY)
12	2	**	1/4 - 20 NC NYLON INSERT NUT
13	2	310470	DUAL CAPACITOR MOUNTING CLAMP
	2	352186	DUAL CAPACITOR MOUNTING CLAMP (ALLMAND GOLD)
14	4	310391	CAPACITOR ONLY, 28 UF
15	4	**	#8 STAINLESS STEEL FLAT WASHER
16	4	**	#6 - 32 NC X 3/8 ROUND HEAD SCREW
NS	1	711029	7/8 HOLE PLUG (MANUAL WINCH)
NS		352046	1.5 AMP BREAKER (USED W/630157A)
17	2	**	1/4 FLAT WASHER
18	2	**	1/4 - 20 NC X 24 GRADE 5 BOLT
19	1	EL036	STEEL LOCK NUT, 3/4"
20	1	WP054	RUBBER EDGE TRIM 3/16 X 5" LONG

LEGEND: NS = Not Shown

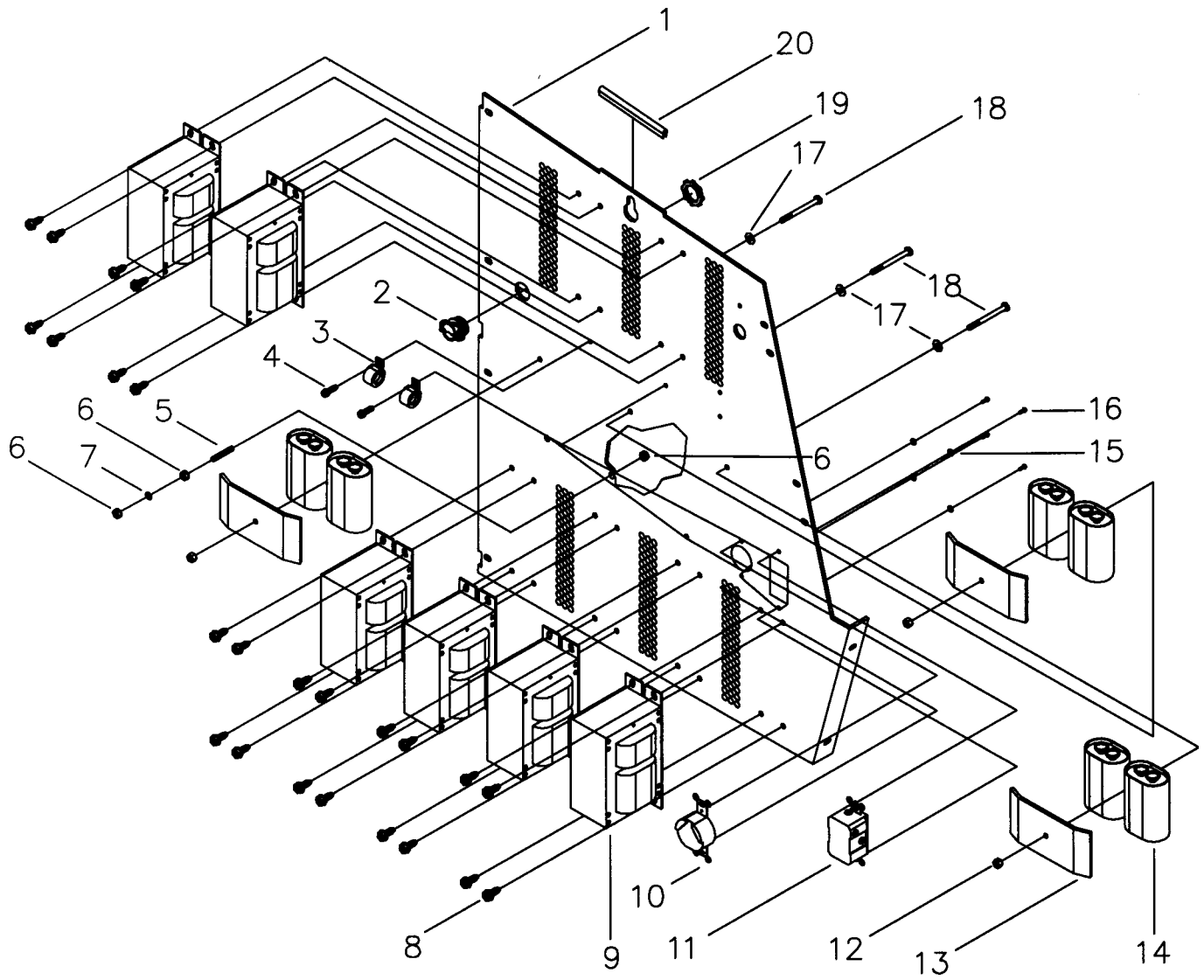
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

6-LIGHT BALLAST ASSEMBLY

C-6C



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

6-LIGHT BALLAST ASSEMBLY

C-6D

NO	REQ'D	PART NO	DESCRIPTION
		352058	BALLAST ASSY COMPLETE (24 UF)
		352360	BALLAST ASSY COMPLETE (24 UF) (ALLMAND GOLD)
		352090	BALLAST ASSY COMPLETE (28 UF)
		352361	BALLAST ASSY COMPLETE (28 UF) (ALLMAND GOLD)
1	1	352009	BALLAST PANEL, ONLY
	1	352188	BALLAST PANEL, ONLY (ALLMAND GOLD)
2	1	EL025	2-SCREW ROMEX CLAMP, 3/4
3	2	**	7/8 CUSHION CLAMP
4	2	**	1~4 - 20 NC SELF TAPING 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	24	**	5/16 - 18 NC INTERNAL TOOTH LOCK WASHER
9	6	310124	TRANSFORMER ONLY
10	1	330490	RECEPTACLE 240V. 15A (6KW ONLY)
	1	330491	RECEPTACLE 250V. 30A (8KW ONLY)
11	1	630132A	RECEPTACLE 120V. GFCI (6KW ONLY)
	1	330499	20 AMP DUPLEX GFCI (8KW ONLY)
12	3	**	1/4 - 20 NC NYLON INSERT NUT
13	3	310470	DUAL CAPACITOR MOUNTING CLAMP
	3	352186	DUAL CAPACITOR MOUNTING CLAMP (ALLMAND GOLD)
14	6	310115	CAPACITOR ONLY, 24 UF
15	4	**	#8 STAINLESS STEEL FLAT WASHER
16	4	**	#6 - 32 NC X 3/8 ROUND HEAD SCREW
NS	1	711029	7/8 HOLE PLUG (MANUAL WINCH)
NS		352046	1.5 AMP BREAKER (USED W/630157A)
17	2	**	1/4 FLAT WASHER
18	2	**	1/4 - 20 NC: X 2 3/4 GRADE 5 BOLT
19	1	EL036	STEEL LOCK NUT, 3/4"
20	1	WP054	RUBBER EDGE TRIM 3/16" X 5" LONG

LEGEND: NS = Not Shown

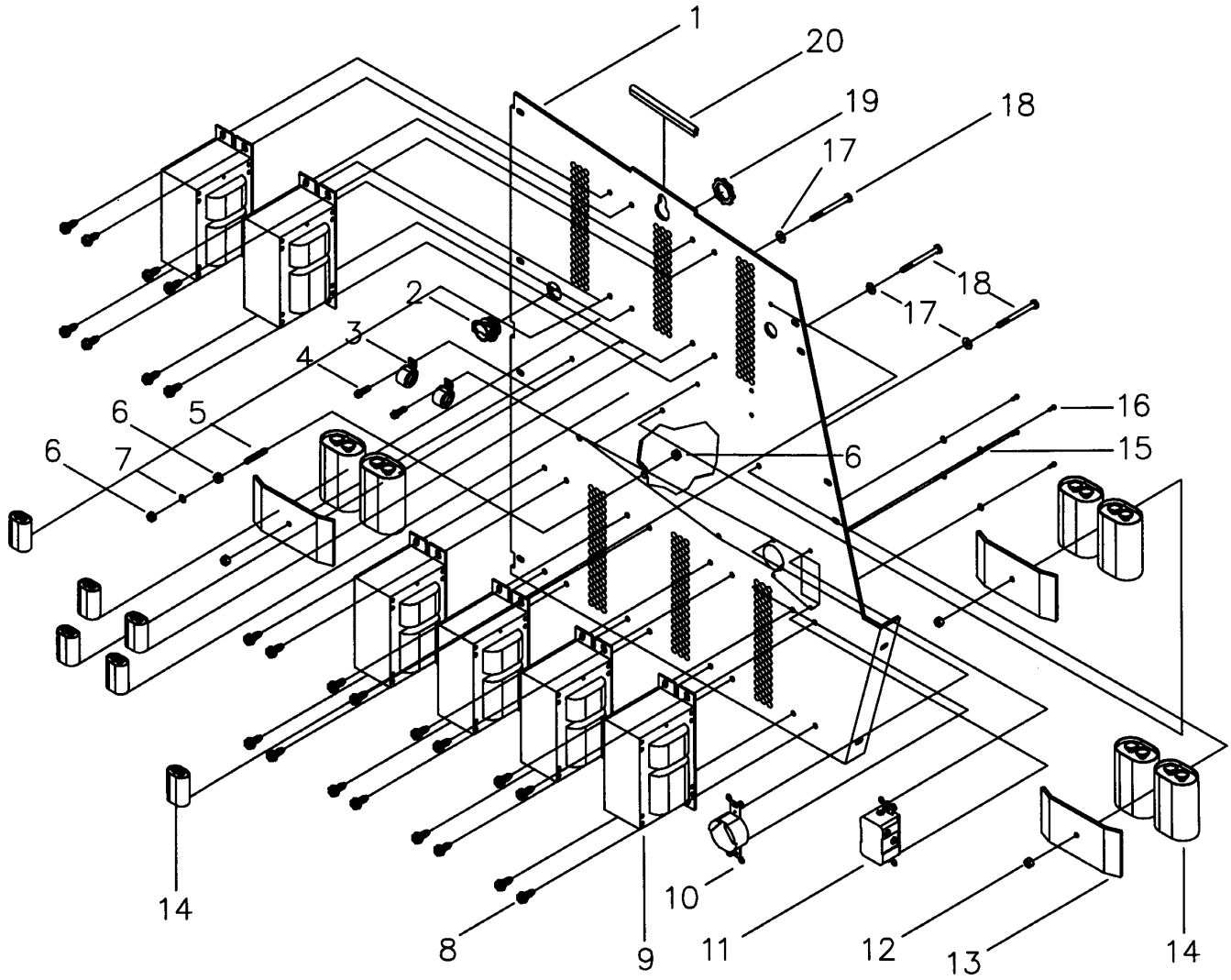
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

6-LIGHT BALLAST ASSEMBLY HPS

C-6E



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

6-LIGHT BALLAST ASSEMBLY HPS

C-6F

NO	REQ'D	PART NO	DESCRIPTION
		680349-06	BALLAST ASSY COMPLETE (26 UF)
1	1	352009	BALLAST PANEL, ONLY
	1	680119-06	BALLAST PANEL, ONLY (ALLMAND GOLD)
2	1	022025	2-SCREW ROMEX CLAMP, 3/4
3	2	**	7/8 CUSHION CLAMP
4	2	**	1~4 - 20 NC SELF TAPING 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	24	**	5/16 - 18 NC INTERNAL TOOTH LOCK WASHER
9	6	310118	TRANSFORMER W/24 UF CAPACITOR
	1	330490	RECEPTACLE 240V. 15A (6KW ONLY)
10	1	650299	RECEPTACLE 250V. 30A (8KW ONLY)
11	1	650606	20 AMP DUPLEX GFCI (8KW ONLY)
12	3	**	1/4 - 20 NC NYLON INSERT NUT
13	3	610570-03	DUAL CAPACITOR MOUNTING CLAMP
14	6	310119	CAPACITOR ONLY, 26 UF W/ STARTER
15	4	**	#8 STAINLESS STEEL FLAT WASHER
16	4	**	#6 - 32 NC X 3/8 ROUND HEAD SCREW
NS	1	711029	7/8 HOLE PLUG (MANUAL WINCH)
17	2	**	1/4 FLAT WASHER
18	2	**	1/4 - 20 NC: X 2 3/4 GRADE 5 BOLT
19	1	022036	STEEL LOCK NUT, 3/4"
20	1	030054	RUBBER EDGE TRIM 3/16" X 5" LONG

LEGEND: NS = Not Shown

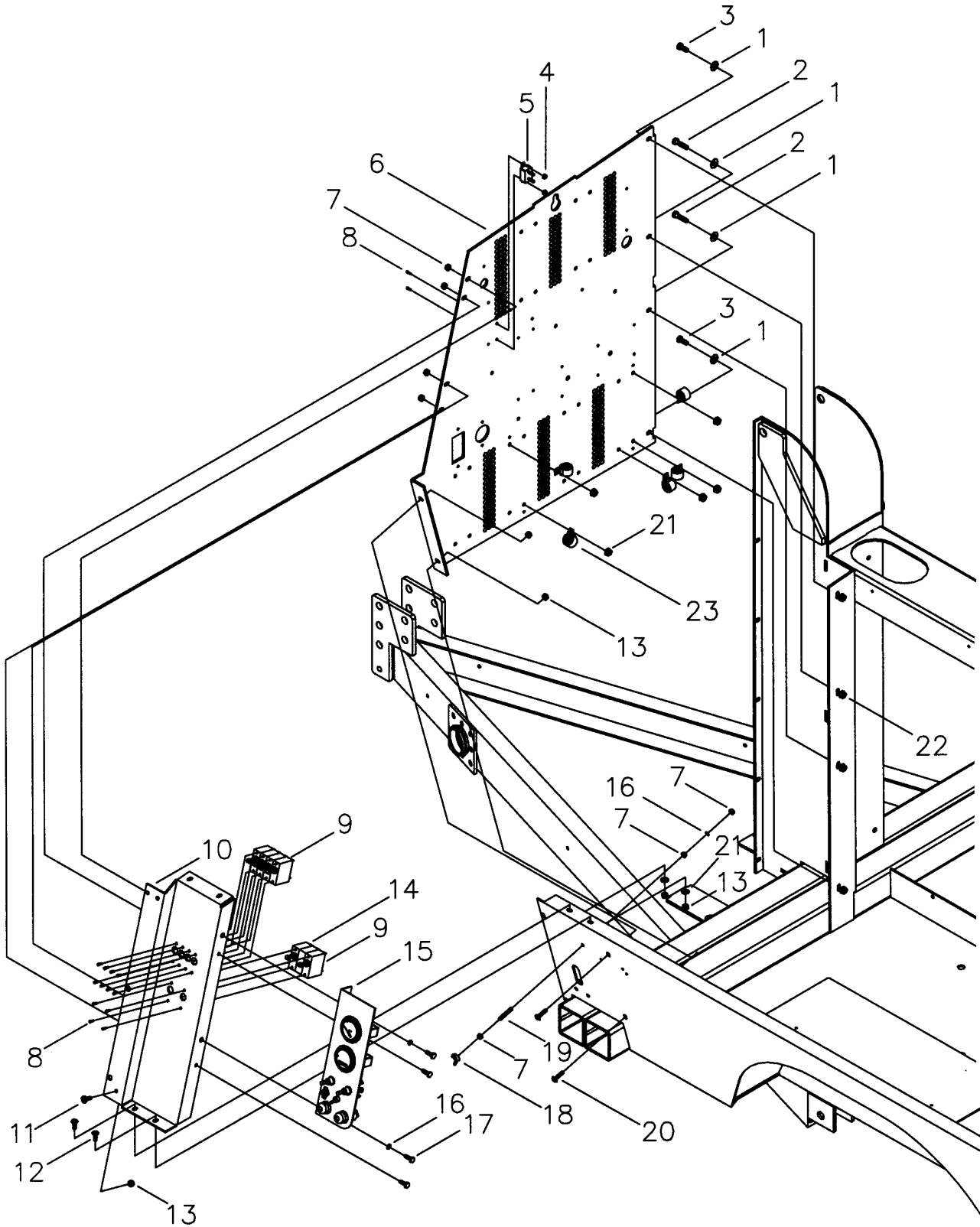
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MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

4-LIGHT AC GAUGE PANEL ASSEMBLY

C-7A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

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	352009	BALLAST PANEL, ONLY
	1	352188	BALLAST PANEL, ONLY (ALLMAND GOLD)
7	7	**	1/4-20 NC KEPS NUT
8	14	**	#6-32 NC X 3/8 ROUND HEAD SCREW
9	5	330458	CIRCUIT BREAKER SWITCH, 15 AMP SP (6KW ONLY)
	5	330456	CARLING SWITCH, 30AMP DP (8KW ONLY)
10	1	352008	LEFT QUARTER PANEL 4-LIGHT
	1	352187	LEFT QUARTER PANEL 4-LIGHT (ALLMAND GOLD)
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	352003	LPW-3 DC GAUGE PANEL
S		352079	KUBOTA DC GAUGE PANEL
		680129	KUBOTA DC GAUGE PANEL (ALLMAND GOLD)
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	9	5/16 - 18 NC KEPS NUT
23	5	EL024	3/4" CUSHION CLAMP WITH 3/8 HOLE

LEGEND: NS = Not Shown

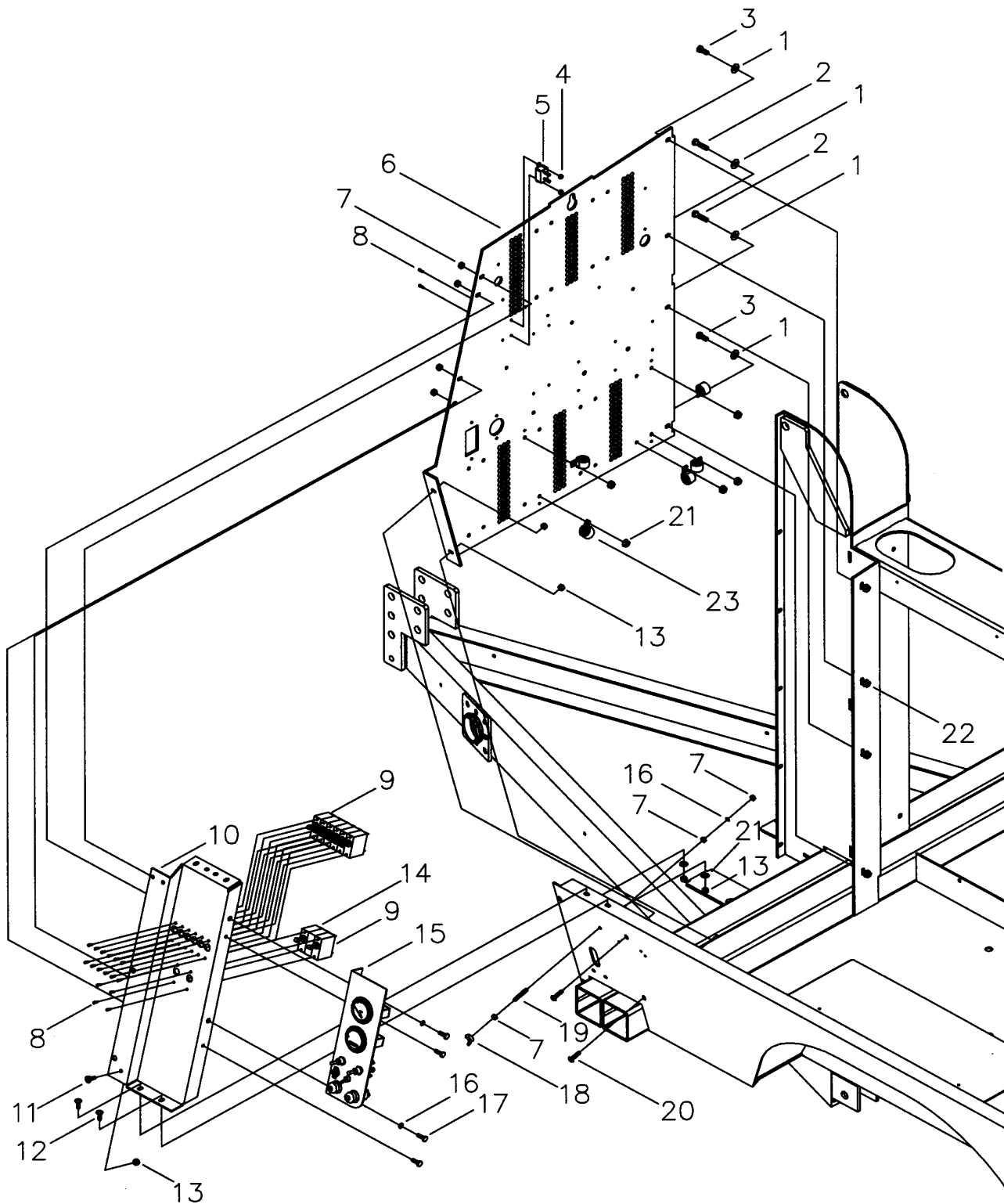
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

6-LIGHT AC GAUGE PANEL ASSEMBLY

C-7C



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

6-LIGHT AC GAUGE PANEL ASSEMBLY

C-7D

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	352009	BALLAST PANEL, ONLY
	1	352188	BALLAST PANEL, ONLY (ALLMAND GOLD)
7	7		1/4-20 NC KEPS NUT
8	18		#6-32 NC X 3/8 ROUND HEAD SCREW
9	7	330458	CIRCUIT BREAKER SWITCH, 15 AMP SP
10	1	352073	LEFT QUARTER PANEL, 6-LIGHT
	1	352187	LEFT QUARTER PANEL, 6-LIGHT (ALLMAND GOLD)
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
15	1	352003	LPW-3 DC GAUGE PANEL
NS		352079	KUBOTA DC GAUGE PANEL
		680129	KUBOTA DC GAUGE PANEL (ALLMAND GOLD)
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	EL024	3/4" CUSHION CLAMP WITH 3/8 HOLE

LEGEND: NS = Not Shown

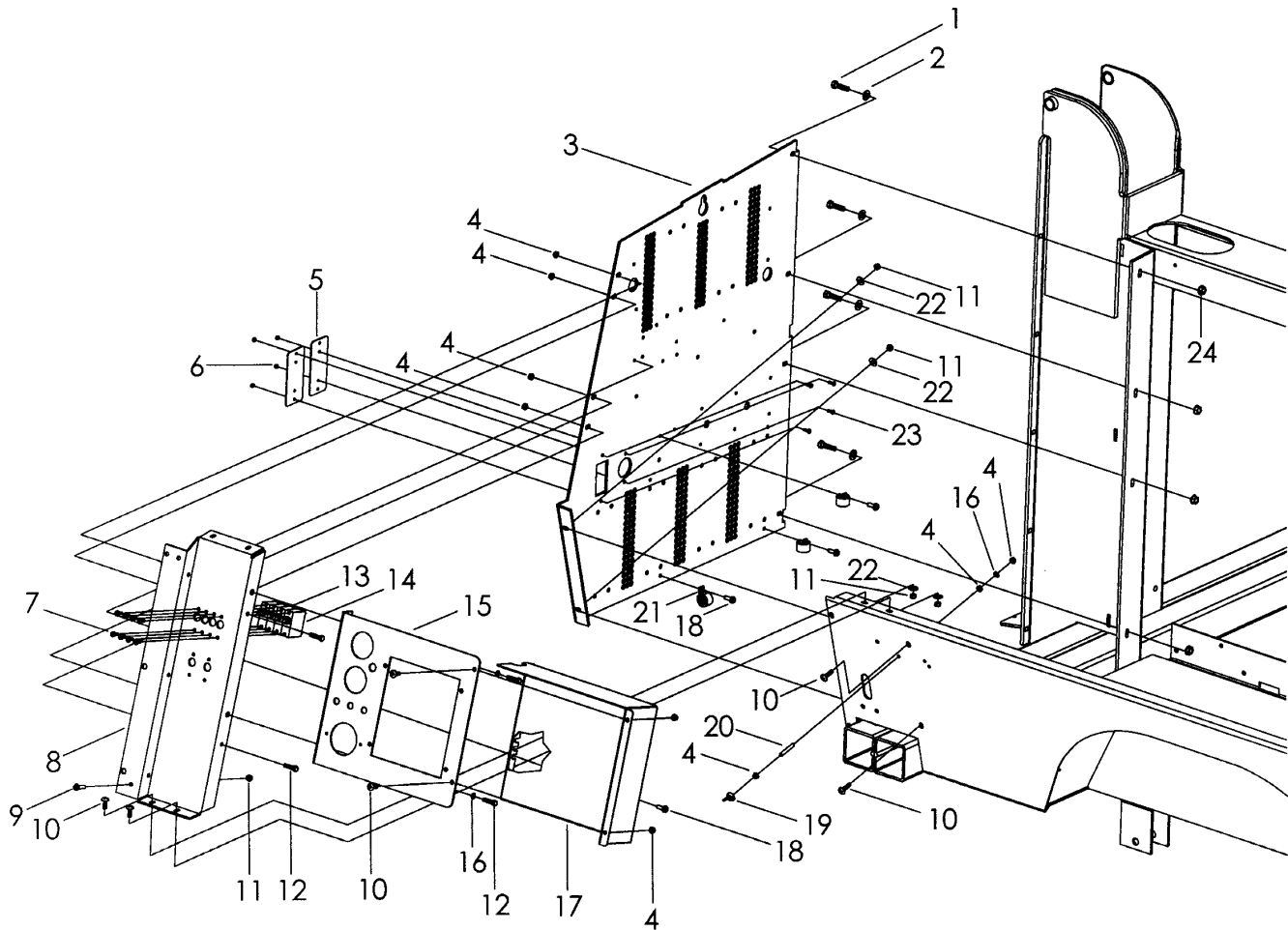
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MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

LSC100 CONTROL PANEL MOUNTING

C-7E



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

LSC100 CONTROL PANEL MOUNTING

C-7F

NO	REQ'D	PART NO	DESCRIPTION
1	4	046045	5/16-18 x 1-1/4 GRADE 5 BOLT
2	4	047010	5/16 FLAT WASHER
3	1	680119	BALLAST PANEL ONLY
4	9	043021	1/4-20 KEPS NUT
5	2	650367	OUTLET COVER
6	4	044003	#8-32 NC KEPS NUT
7	12	041017	#6-32 NC X 3/8 ROUND HEAD SCREW
8	1	680118	LEFT QUARTER PANEL, 4 LIGHT
9	1	041250	1/4-20 NC X 1/2 ROUND HEAD NYLON SCREW
10	6	041050	1/4-20 NC X 3/4 TRUSS HEAD SCREW
11	5	044023	1/4-20 NC NYLON INSERT NUT
12	4	046015	1/4-20 NC X 1 GRADE 5 BOLT
13	1	650098	25 AMP CE SWITCH
14	1	650594	15 AMP CE SWITCH
15	4	680392	UNIVERSAL LSC100 GAUGE PANEL
16	1	043050	1/4 INTERNAL TOOTH LOCK WASHER
17	3	650715	LSC100 GAUGE PANEL COVER
18	1	041070	1/4-20 NC X 3/4 SELF TAPPING SCREW
19	4	330494	1/4-20 NC WING NUT
20	1	045003	1/4-20 NC X 1-1/2 STUD
21	1	022024	3/4" CUSHION CLAMP WITH 3/8 HOLE
22	3	047008	1/4 FLAT WASHER
23	4	041013	#8-32 X 1/2 SCREW
24	4	044031	5/16-18 NC KEPS NUT

LEGEND: NS = Not Shown

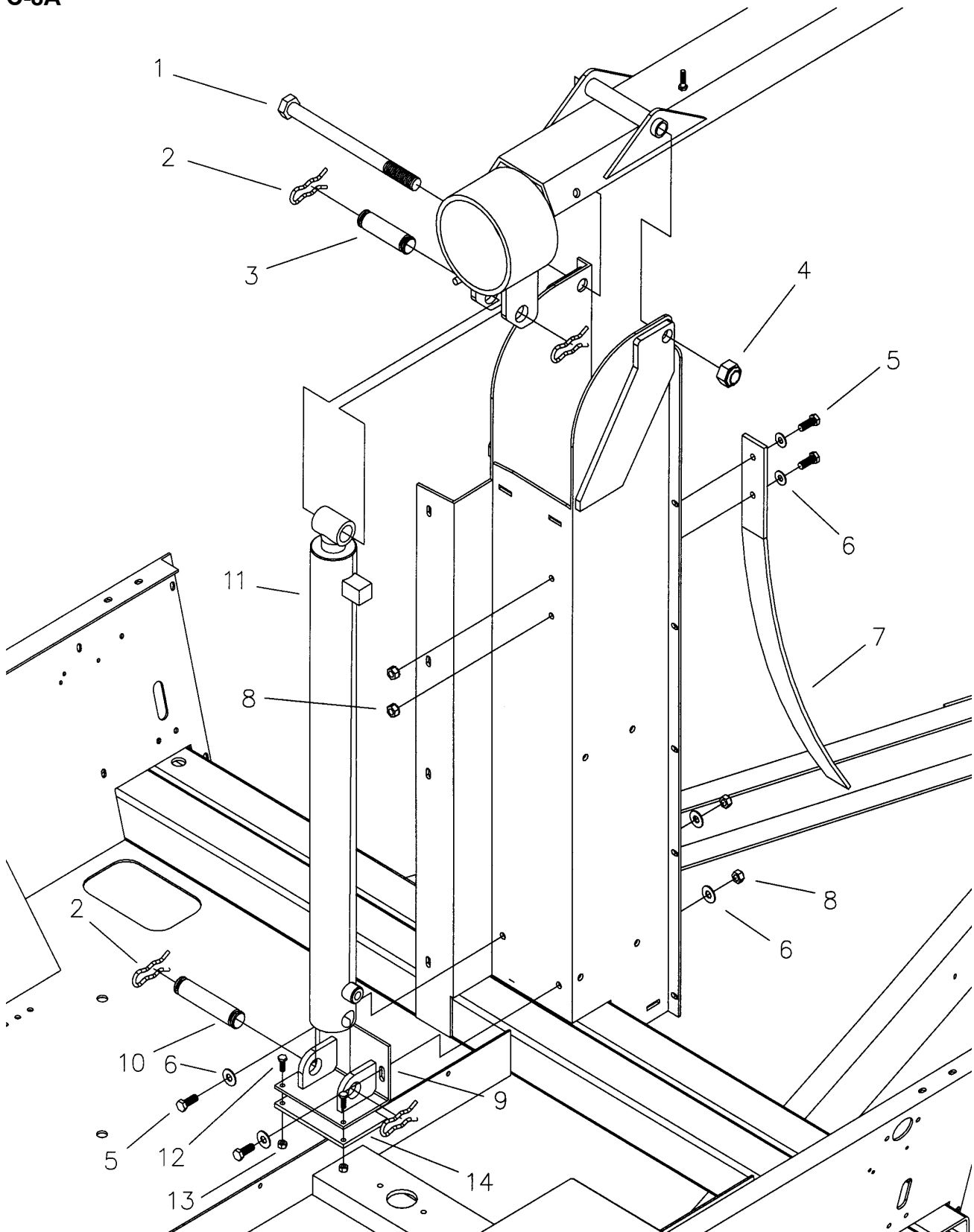
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MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

HYDRAULIC TOWER SUPPORT ASSEMBLY

C-8A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

HYDRAULIC TOWER SUPPORT ASSEMBLY

C-8B

NO	REQ'D	PART NO	DESCRIPTION
1	1	**	3/4-10 NC x 10" GRADE 5 BOLT
2	4	620545	HAIRPIN RETAINER
3	1	352392	STAND-UP CYLINDER PIVOT PIN, UPPER
4	1	**	3/4-10 NC NYLON INSERT NUT
5	4	**	3/8-16 NC x 1 GRADE 5 BOLT
6	6	**	5/16 FLAT WASHER
7	1	650330	TOWER KICK-OUT SPRING
8	4	**	3/8-16 NC NYLON INSERT NUT
9	1	352219	STAND-UP CYLINDER FRAME MOUNT
10	1	352393	STAND-UP CYLINDER PIVOT PIN, LOWER
11	1	352207	TOWER STAND-UP CYLINDER
12	2	**	1/4-20 NC x 3/4 GRADE 5 BOLT
13	2	**	1/4-20 NC x 3/4 HEX NUT
14	*	352225	STAND-UP CYLINDER SHIM PLATE, 1/4"
NS	*	352226	STAND-UP CYLINDER SHIM PLATE, 7 GAUGE
NS	*	352227	STAND-UP CYLINDER SHIM PLATE, 10 GAUGE
NS	*	352228	STAND-UP CYLINDER SHIM PLATE, 12 GAUGE
NS	*	352229	STAND-UP CYLINDER SHIM PLATE, 14 GAUGE
NS	*	352230	STAND-UP CYLINDER SHIM PLATE, 16 GAUGE

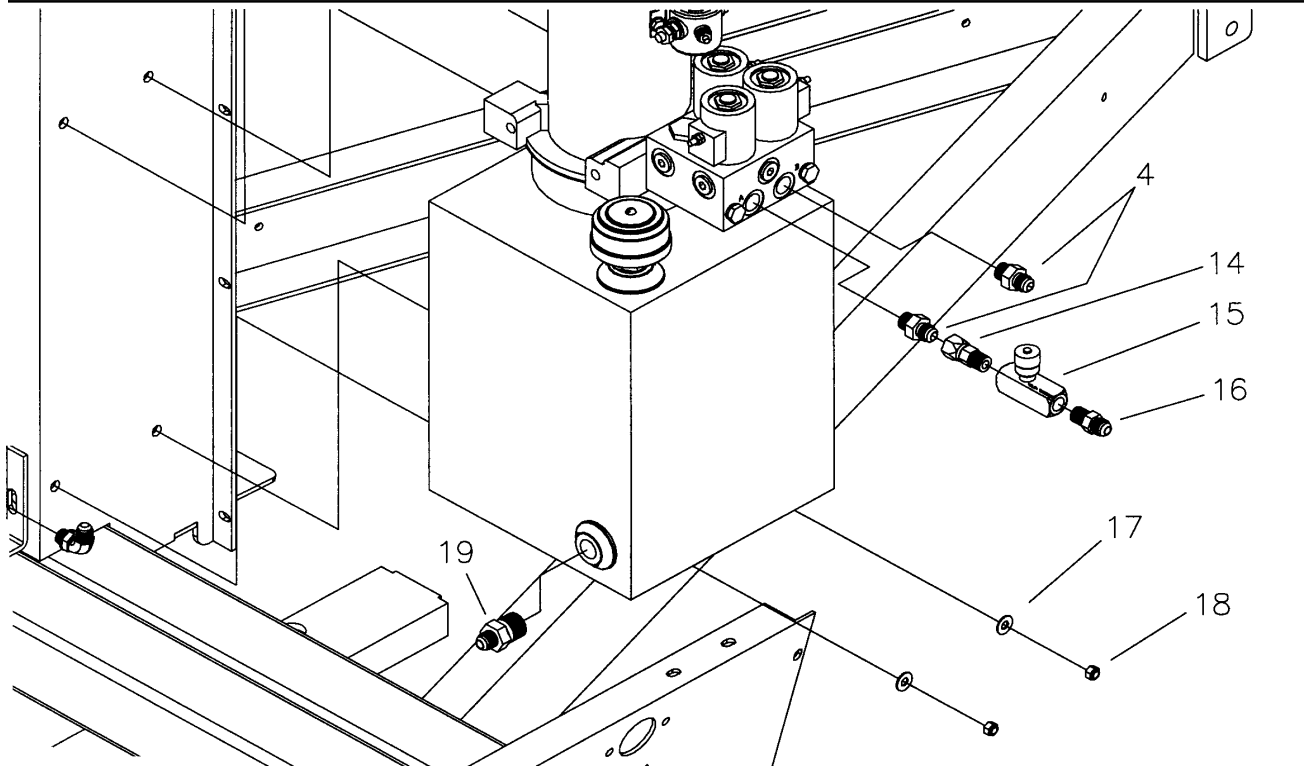
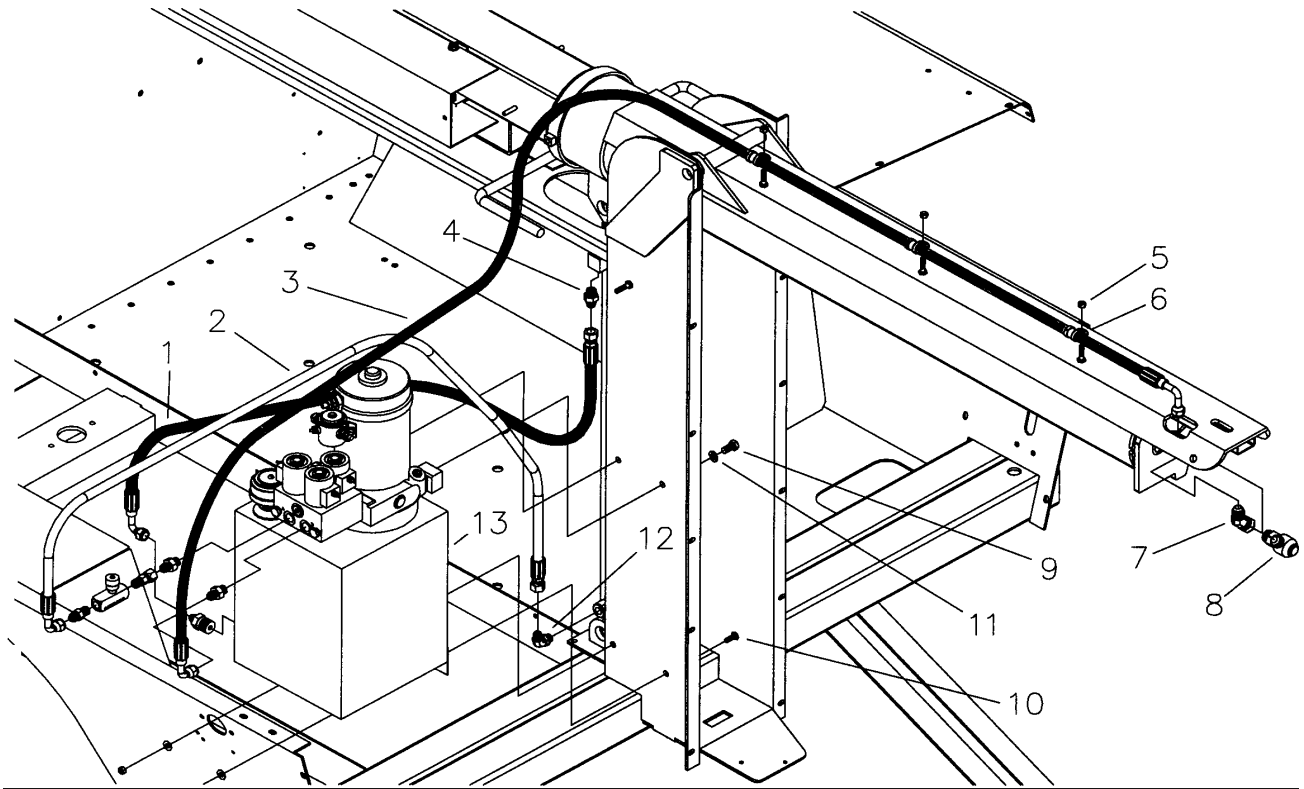
LEGEND: NS = Not Shown
 ** = Purchase Locally
 * = As Needed

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

HYDRAULIC TANK ASSEMBLY

C-8C



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

HYDRAULIC TANK ASSEMBLY

C-8D

NO	REQ'D	PART NO	DESCRIPTION
1	1	352212	HYDRAULIC HOSE ASSEMBLY 6M3K-6FJX-6FJX902-24"
2	1	352211	HYDRAULIC HOSE ASSEMBLY 6M3K-6FJX-6FJX90S-38"
3	1	352210	HYDRAULIC HOSE ASSEMBLY 6M3K-6FJX90S-6C28FJX90M-87"-30°
4	3	320076	HYDRAULIC FITTING, 6F50X-S
5	3		1/4-20 NC NYLON INSERT NUT
6	3	310212	HOSE CLAMP
7	1	352259	HYDRAULIC FITTING, 8V6X-S
8	1	352209	HYDRAULIC FITTING, SWIVEL 90°
9	2	**	3/8-16 NC x 3/4 GRADE 5 BOLT
10	2	**	1/4-20 NC x 1" TRUSS HEAD BOLT
11	2	**	3/8 SPLIT LOCKWASHER
12	1	920692	HYDRAULIC FITTING, 6C50X-S
13	1	352208	HYDRAULIC POWER UNIT
	3	320545	SOLENOID COIL
	2	320555	CARTRIDGE, UP
	1	320560	CARTRIDGE, DOWN
14	1	352260	HYDRAULIC FITTING, STRAIGHT SWIVEL, 6F6X-S
15	1	320087	FLOW CONTROL VALVE
16	1	920823	HYDRAULIC FITTING, 6FTX-S
17	2	**	1/4 FLAT WASHER
18	2	**	1/4-20 NC NYLON INSERT NUT
19	1	920666	HYDRAULIC FITTING, 6-8FTX-S

LEGEND: NS = Not Shown

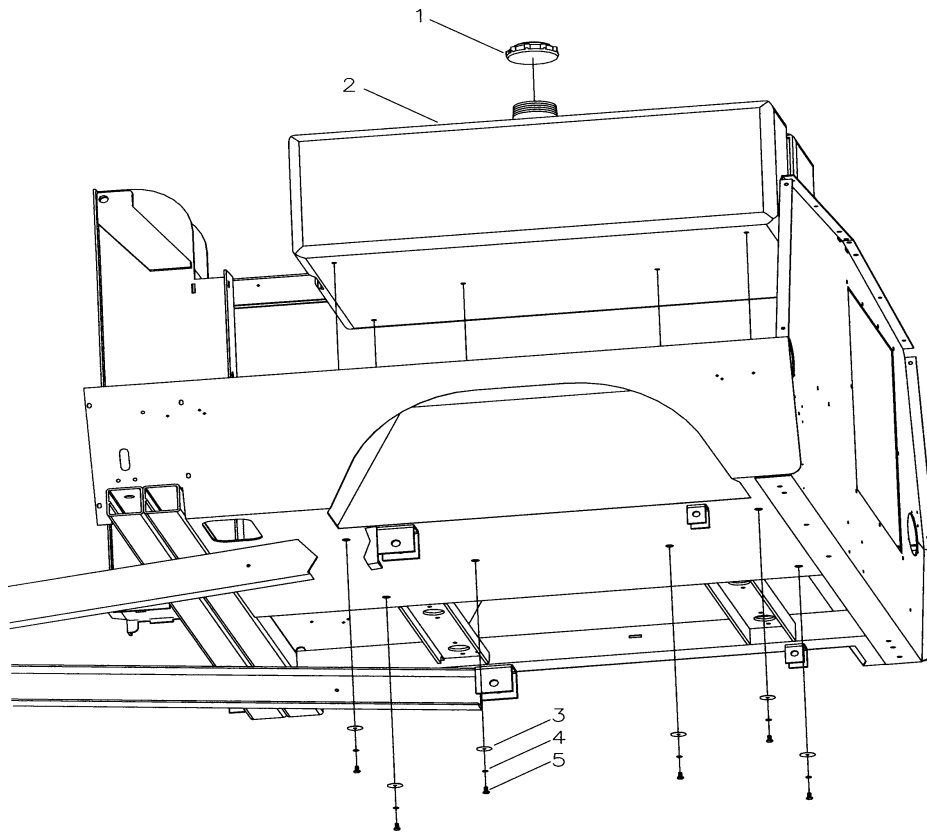
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

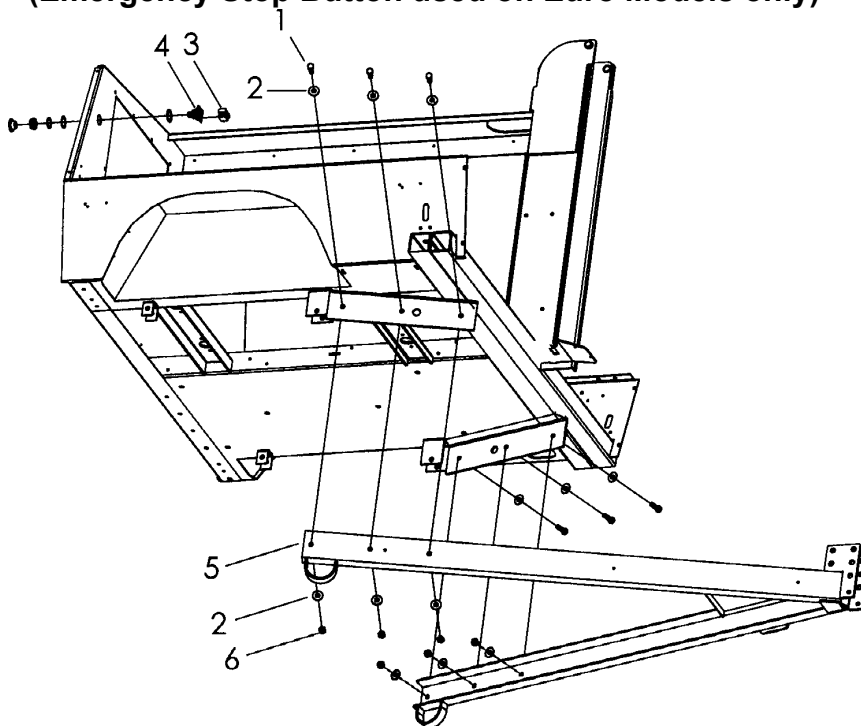
FUEL TANK ASSEMBLY

C-9A



REMOVABLE TONGUE, EMERGENCY STOP BUTTON (Emergency Stop Button used on Euro Models only)

C-10A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

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

LEGEND: NS = Not Shown

** = Purchase Locally

REMOVABLE TONGUE, EMERGENCY STOP BUTTON (Emergency Stop Button used on Euro Models only)

C-10B

NO	REQ'D	PART NO	DESCRIPTION
1	6	046185	1/2-13 NC X 1-1/2 GRADE 5 BOLT
2	12	047025	1/2 FLAT WASHER
3	1	650468	NORMALLY CLOSED CONTACT BLOCK
4	1	650460	PUSH/PULL OPERATOR BUTTON
5	1	680199	REMOVABLE TONGUE
6	6	044048	1/2-13 NC NYLON INSERT NUT

LEGEND: NS = Not Shown

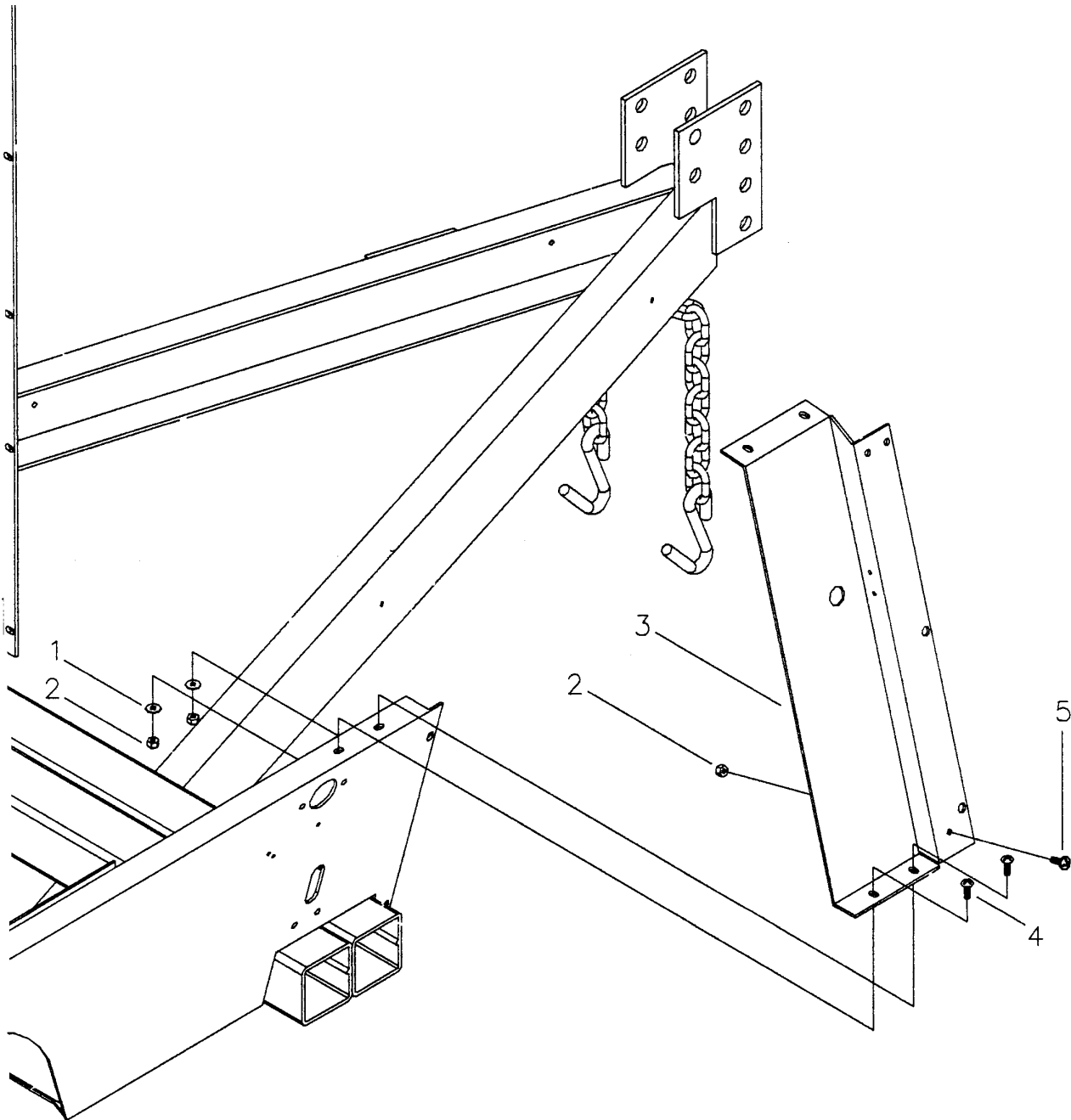
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

RIGHT QUARTER PANEL ASSEMBLY

C-10A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

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

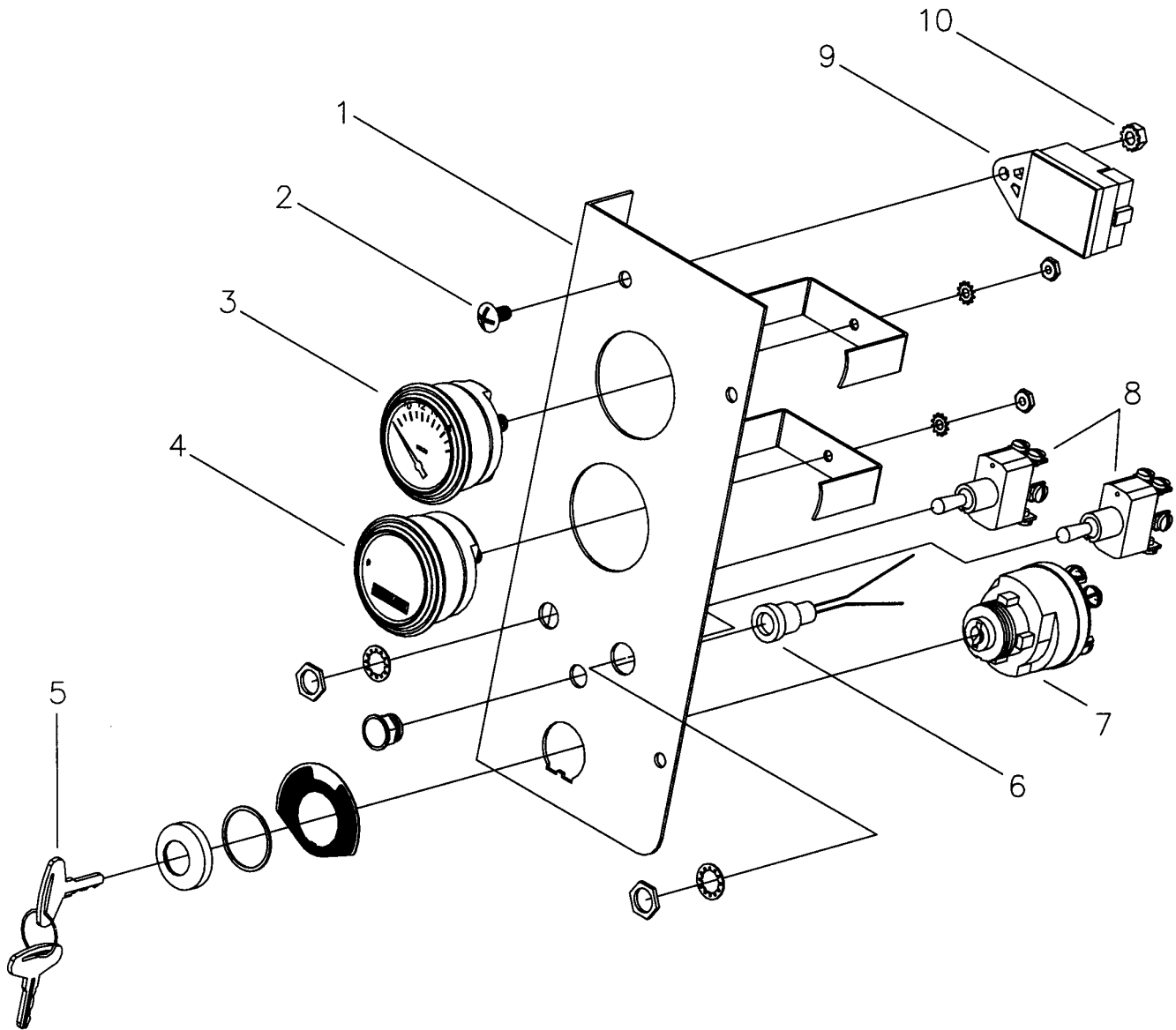
LEGEND: NS = Not Shown
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

KUBOTA/ PERKINS ENGINE DC GAUGE PANEL ASSEMBLY

C-11A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

KUBOTA/PERKINS ENGINE DC GAUGE PANEL ASSEMBLY

C-11B

NO	REQ'D	PART NO	DESCRIPTION
1	1	352079	KUBOTA DC GAUGE PANEL
	1	680129	KUBOTA DC GAUGE PANEL (ALLMAND GOLD)
	1	352164	PERKINS DC GAUGE PANEL (ALLMAND GOLD)
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	@@@	IGNITION KEY (PERKINS)
6	1	@@@	GLOW PLUG LAMP (KUBOTA)
	1	@@@@	GLOW PLUG LAMP (PERKINS)
7	1	920475	KUBOTA KEY SWITCH W/2 KEYS
	1	@@@@	PERKINS KEY SWITCH W/2 KEYS
8	1	310544	DPDT MOMENTARY CONTACT SWITCH
9	1	@@@	GLOW LAMP TIMER (KUBOTA)
	1	@@@@	REGULATOR (PERKINS)
10	1	**	1/4 - 20 NC KEPS NUT

LEGEND: NS = Not Shown

** = Purchase Locally

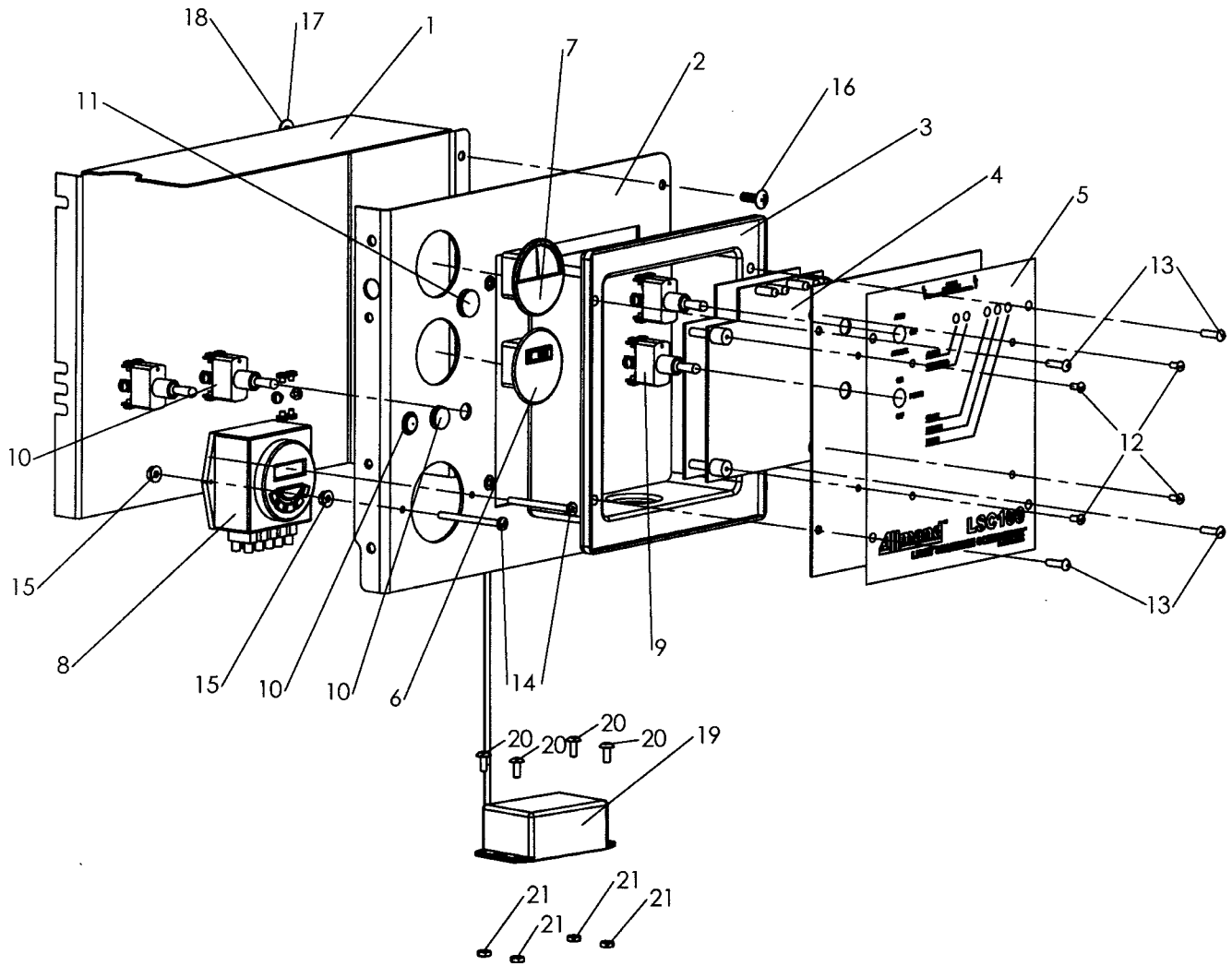
@@@ = See Local Kubota Dealer

@@@@ = See Local Perkins Dealer

MAXI-LITE SERIES W/ HYDRAULIC TOWER

LSC100 LIGHT SEQUENCE COMMANDER ASSEMBLY

C-11C



MAXI-LITE SERIES W/ HYDRAULIC TOWER

LSC100 LIGHT SEQUENCE COMMANDER ASSEMBLY

C-11D

NO	REQ'D	PART NO	DESCRIPTION
1	1	650715	COVER, LSC100 MOUNT PANEL
2	1	680392	LSC100 UNIVERSAL MOUNT PANEL
		680391	LSC100 STANDARD MAXI MOUNT PANEL
3	1	650750	LSC100 CONTROLLER BOX
4	1	650744	LSC100 CONTROLLER ONLY WITH SWITCH
		650716	LSC 100 UNIT COMPLETE
5	1	650713	LSC100 PANEL FACE AND SILKSCREEN
6	1	340014	HOUR METER
7	1	340413	VOLT METER
8	1	352471	DIGITAL TIMER (OPTIONAL)
9	1	650754	15 AMP DPDT ON/ON TOGGLE SWITCH
10	1	340009	15 AMP SPST TOGGLE SWITCH (2 required for Electric Winch)
		433328	PLASTIC PLUG (Replaces Switch)
11	1	433329	5/8" PLASTIC CAP (Replaces Breaker)
12	4	041018	#6-32 NC X 3/8 ROUND HEAD SCREW
13	4	041027	10-24 x 3/4" TRUSS HEAD SCREW
14	2	041045	10-24 x 2-1/2" ROUND HEAD SCREW
15	4	044016	10-24 KEPS NUT
16	2	041050	1/4-20 NC X 3/4 TRUSS HEAD SCREW
17	2	047008	1/4 FLAT WASHER
18	2	043021	1/4-20 KEPS NUT
19	1	650755	PHOTOCELL (LSC100)
20	4	041013	#8-32 X 1/2 SCREW
21	4	044016	#8-32 NC KEPS NUT

LEGEND: NS = Not Shown

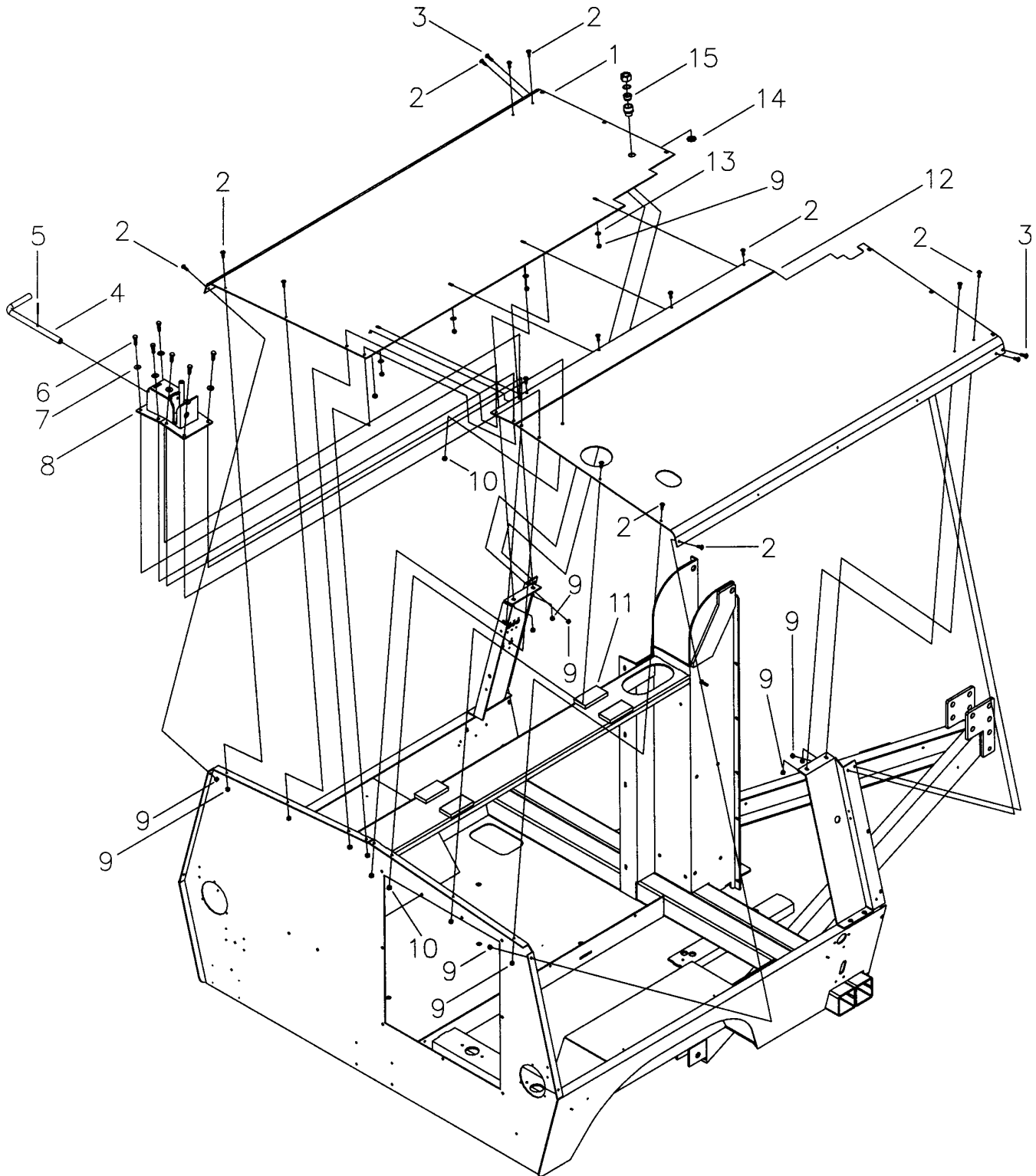
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

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:

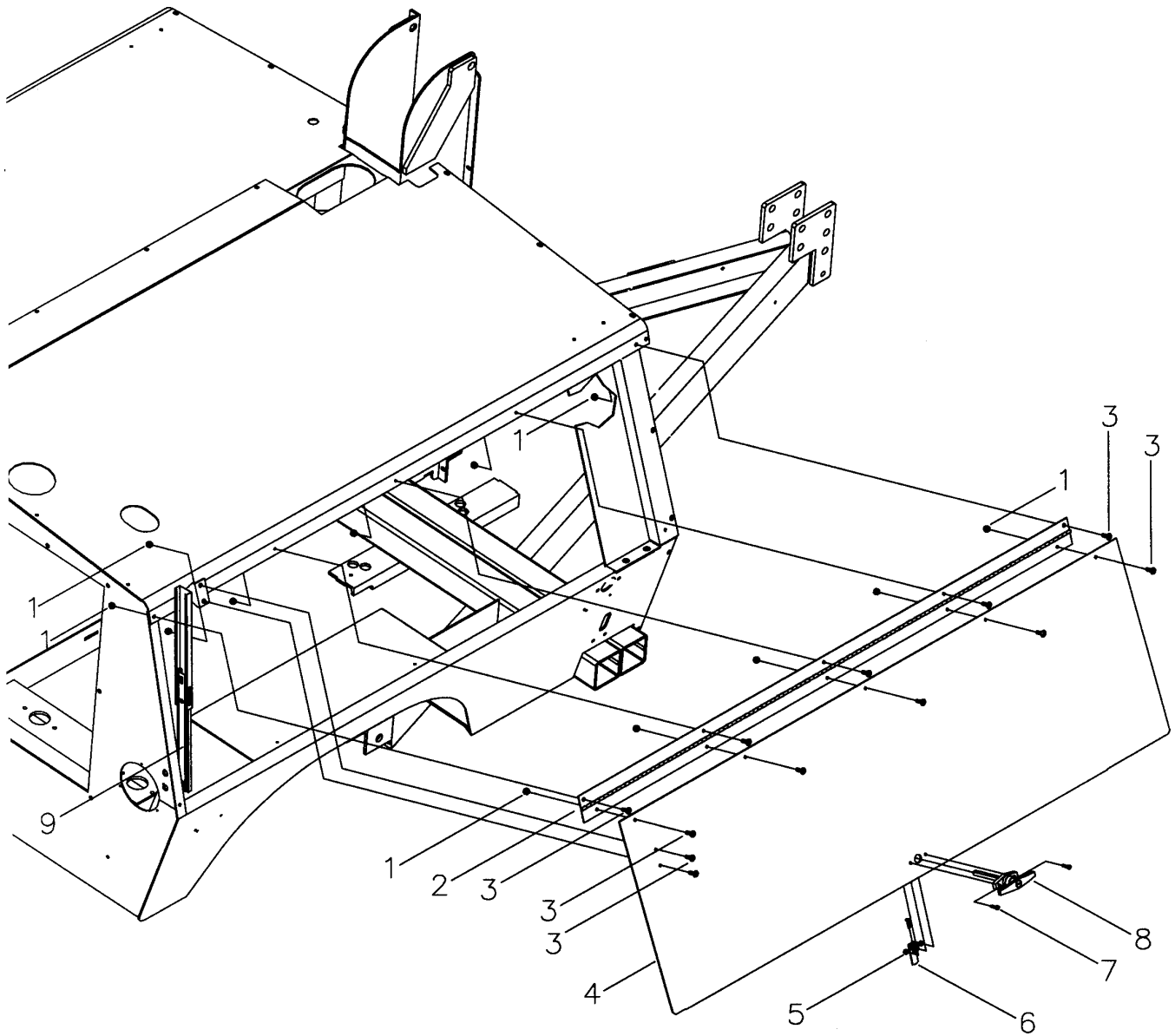
01-White	06-Allmand Gold
02-Gloss Black	09-Flat Black
03-Gray	10-High temp Black
04-Allmand Yellow	11-Red
05-Orange	

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

RIGHT AND LEFT DOOR PANEL ASSEMBLY

C-13A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

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	680444	RIGHT DOOR PANEL (SLAM LATCH)
		352010	RIGHT DOOR PANEL (T-HANDLE)
NS	1	680453	LEFT DOOR PANEL (SLAM LATCH)
		352028	LEFT DOOR PANEL (T-HANDLE)
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
NS	1	680459	SLAM LATCH
9	2	352057	TELESCOPIC PROP

LEGEND: NS = Not Shown

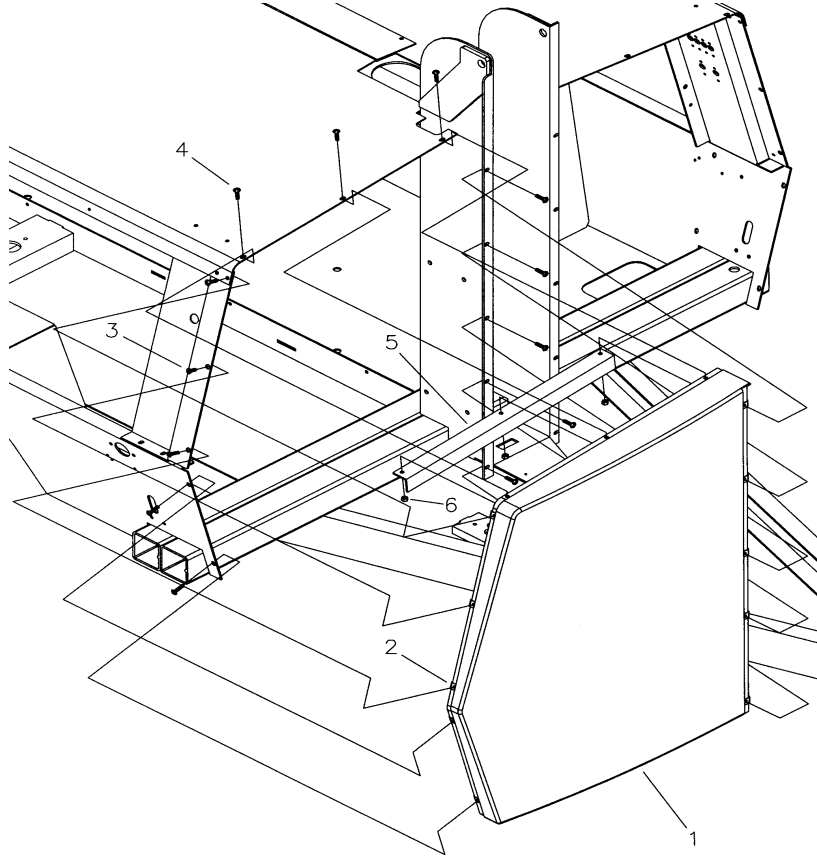
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MAXI-LITE SERIES W/ HYDRAULIC TOWER

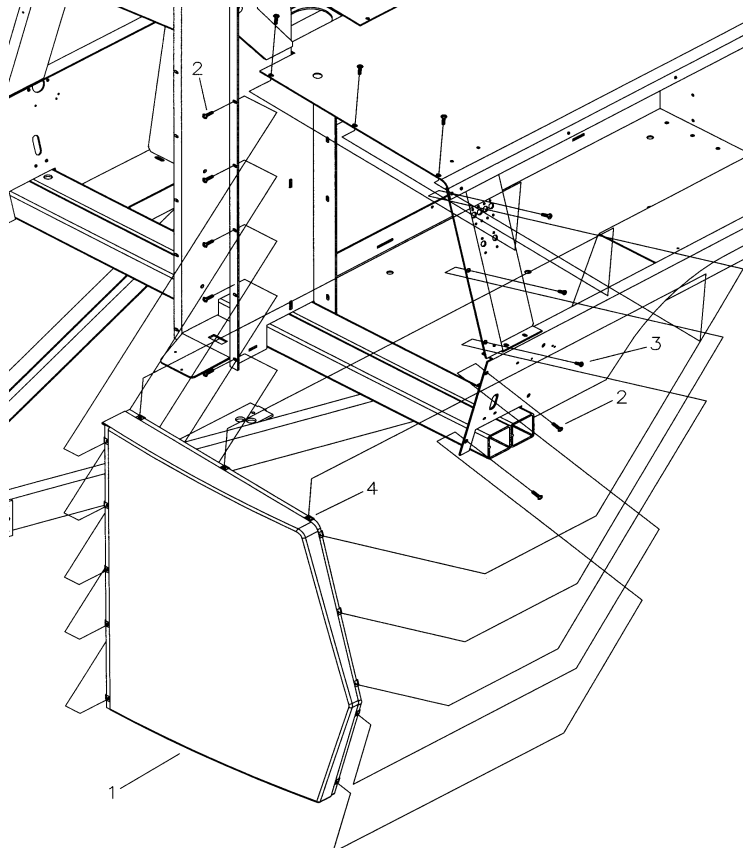
TRAILER ASSEMBLY PARTS AND ACCESSORIES

PLASTIC FRONT PANEL ASSEMBLY

C-14A



C-14C



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

PLASTIC FRONT PANEL ASSEMBLY

C-14B

NO	REQ'D	PART NO	DESCRIPTION
1	1	680499	RIGHT FRONT PANEL (HYDRAULIC)
		680440	RIGHT FRONT PANEL (CE)
2	10	HD216	TINNERMAN FASTENER
3	2	**	1/4 - 20 NC X 3/4 FLAT HEAD MACHINE SCREW
4	11	**	1/4 - 20 NC X 1 SCREW
5	1	352055	ROOF SUPPORT
6	3	**	1/4 - 20 NC NYLON INSERT NUT

LEGEND: NS = Not Shown
** = Purchase Locally

NO	REQ'D	PART NO	DESCRIPTION	C-14D
1	1	680497	LEFT FRONT PANEL (HYDRAULIC)	
		680441	LEFT FRONT PANEL (CE)	
2	11	**	1/4 - 20 NC X 1 SCREW	
3	2	**	1/4 - 20 NC X 3/4 FLAT HEAD MACHINE SCREW	
4	13	HD216	TINNERMAN FASTENER	

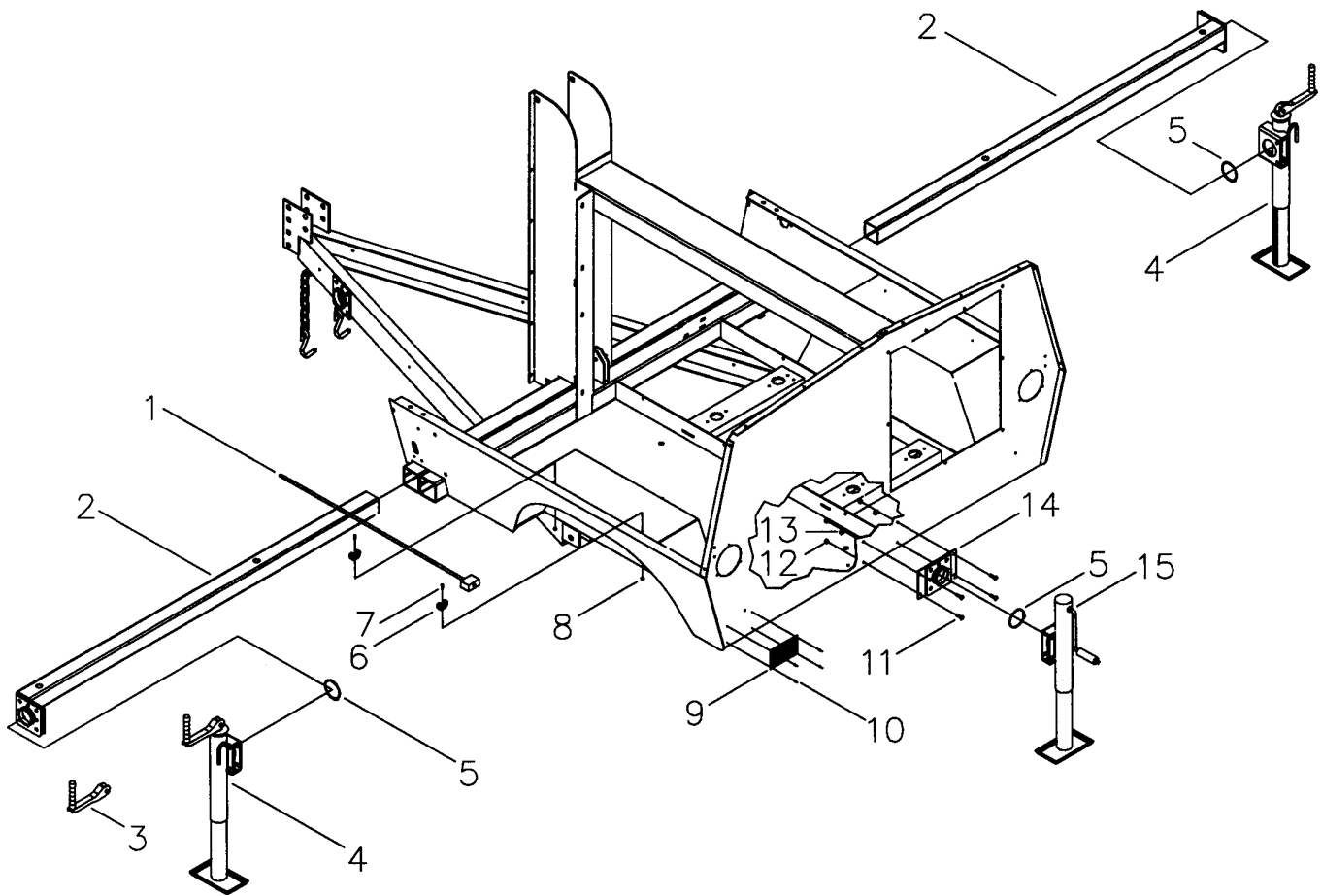
LEGEND: NS = Not Shown
** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

OUTRIGGERS AND REAR JACK ASSEMBLY

C-15A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

TRAILER ASSEMBLY PARTS AND ACCESSORIES

OUTRIGGERS AND REAR JACK ASSEMBLY

C-15B

NO	REQ'D	PART NO	DESCRIPTION
1	1	340058	GROUND ROD
2	1	352014	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	HD108	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	680112P	REAR JACK MOUNT WELDMENT
15	1	352072	SWIVEL MOUNT JACK WITH SIDE CRANK

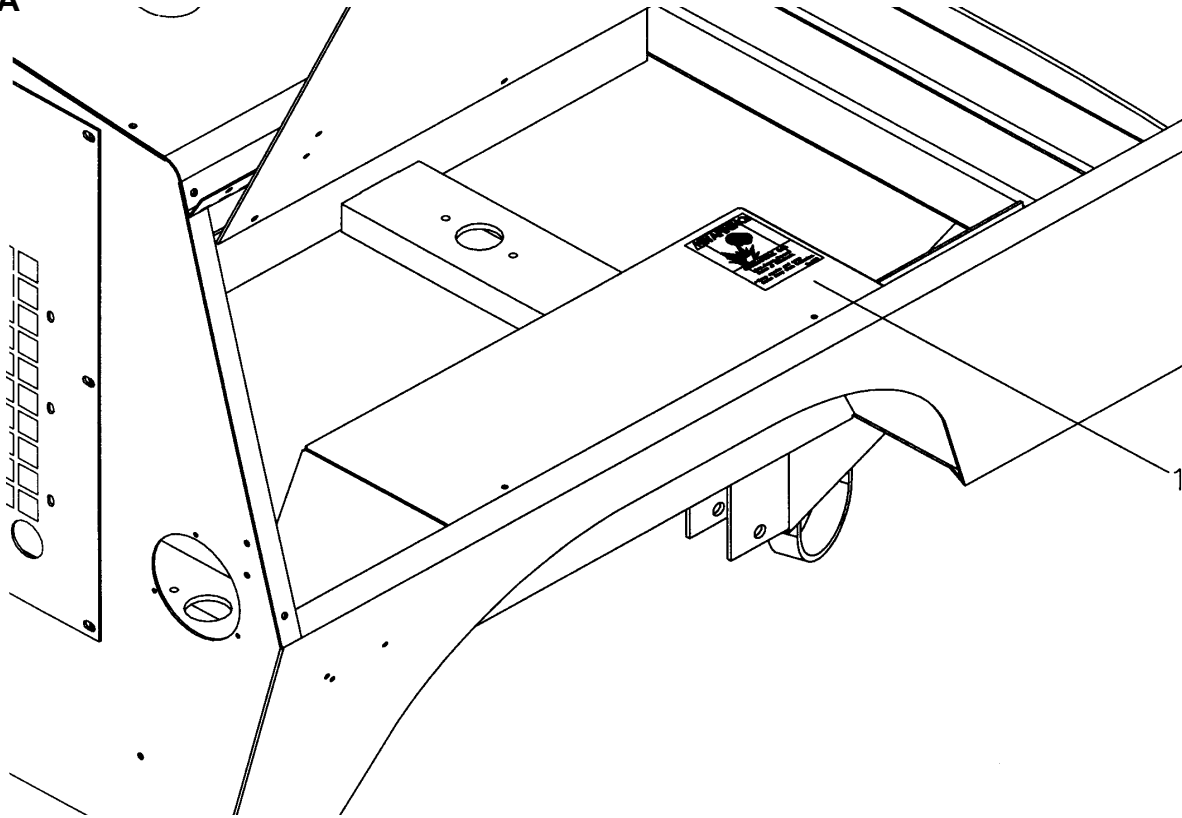
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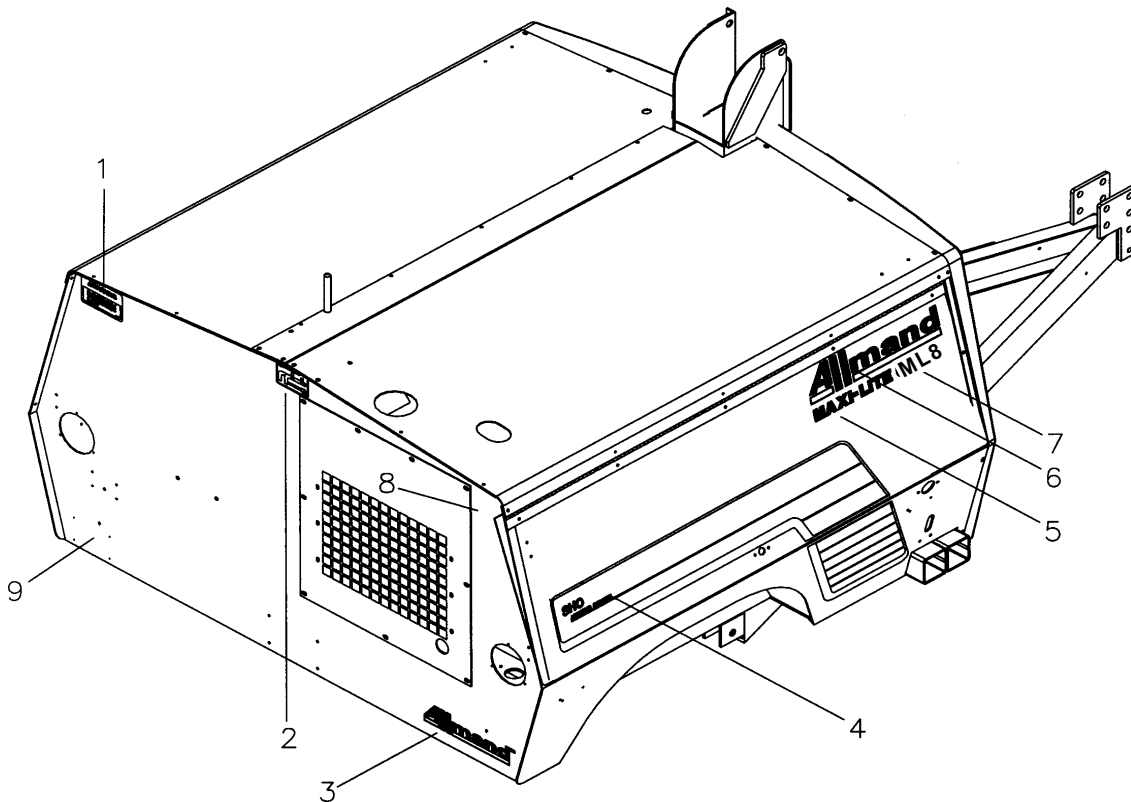
MAXI-LITE SERIES W/ HYDRAULIC TOWER

DECAL PLACEMENT

D-1A



D-2A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

DECAL PLACEMENT

D-1B

NO	REQ'D	PART NO	DESCRIPTION
1	1	DD-159	DECAL-WARNING COMBUSTIBLE GAS

LEGEND: NS = Not Shown
** = Purchase Locally

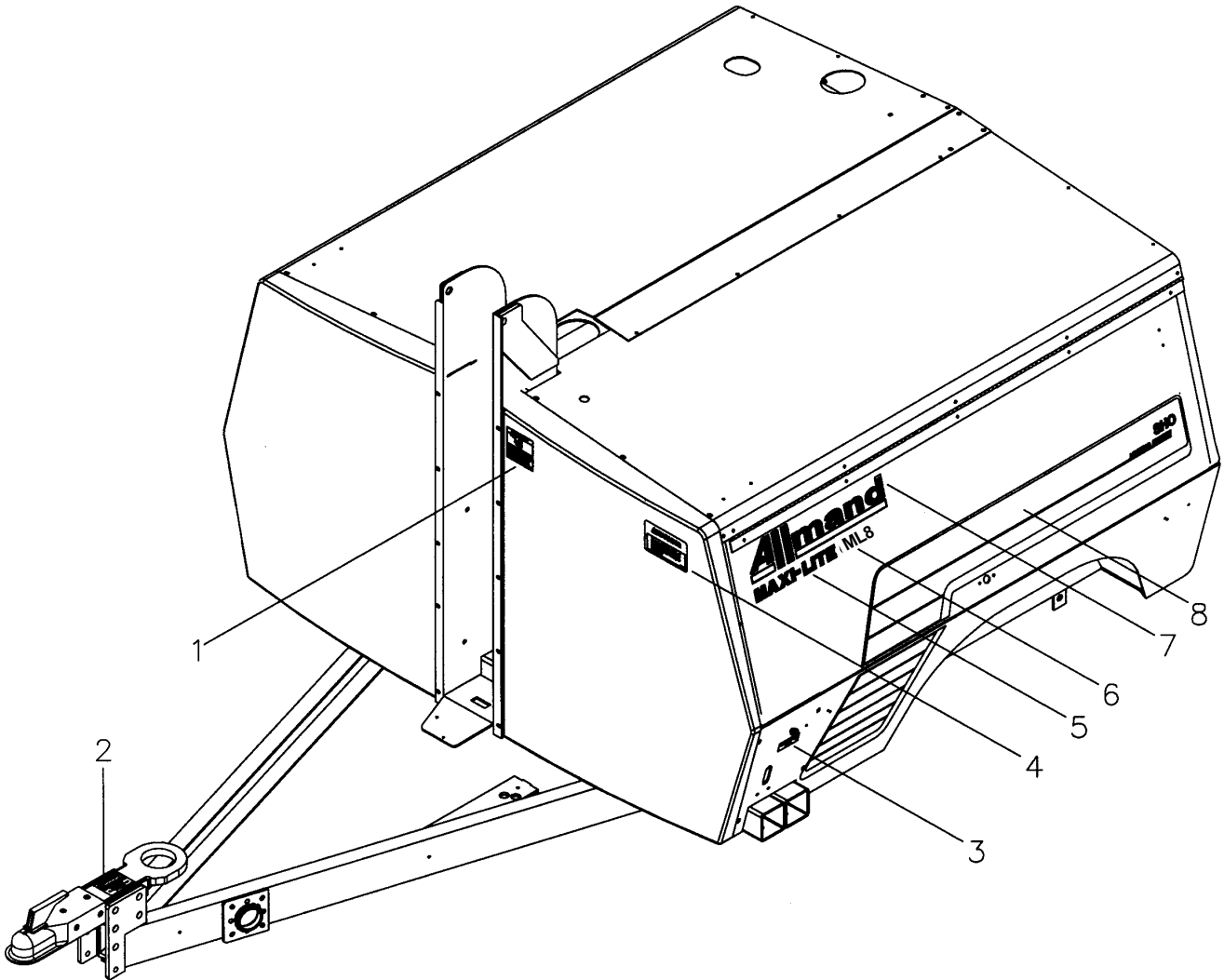
NO	REQ'D	PART NO	DESCRIPTION	D-2B
1	1	090003	DECAL - DO NOT STAND	
2	1	090139	DECAL - UNLATCHED/LATCHED	
3	1	090269	DECAL - ALLMAND YELLOW TO ORANGE 11.75"	
4	1	352026	DECAL - GRADATION STRIPE SET	
5	2	090255	DECAL - MAXI-LITE	
6	2	090256	DECAL - ALLMAND, YELLOW TO ORANGE	
NS	2	090490	DECAL - ML 6	
7		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

MAXI-LITE SERIES W/ HYDRAULIC TOWER

DECAL PLACEMENT

D-3A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

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

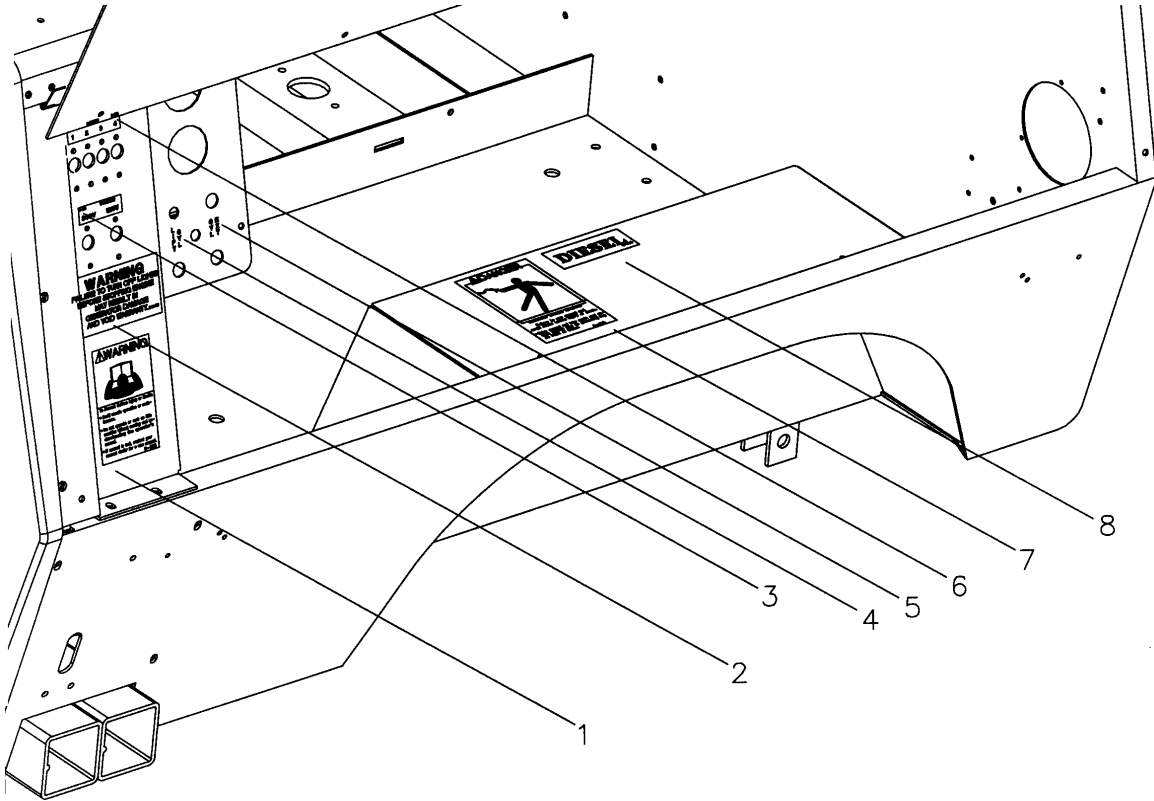
LEGEND: NS = Not Shown

** = Purchase Locally

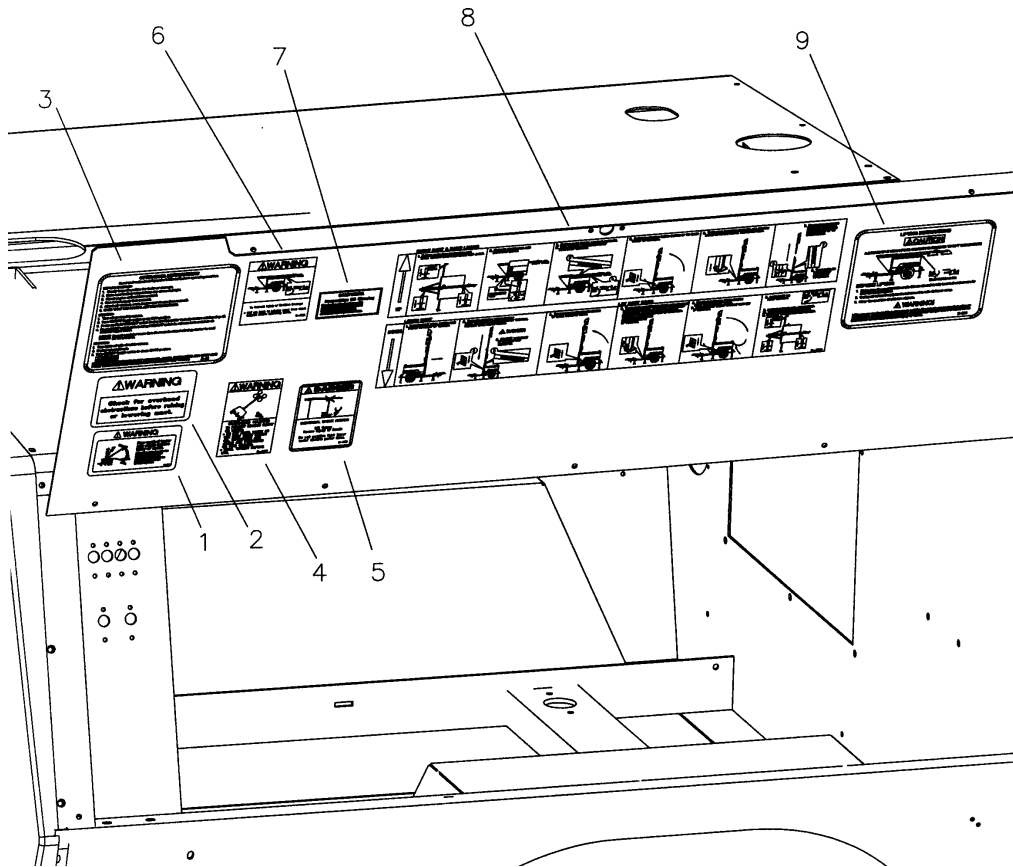
MAXI-LITE SERIES W/ HYDRAULIC TOWER

DECAL PLACEMENT

D-4A



D-5A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

DECAL PLACEMENT

D-4B

NO	REQ'D	PART NO	DESCRIPTION
1	1	DD-158	DECAL - WARNING OPERATORS MANUAL
2	1	DD-084	DECAL - WARNING FAILURE TO TURN OFF LIGHTS
3	1	DD-283	DECAL - OUTLETS
4	1	NA	DECAL - LIFT CYLINDER
5	1	NA	DECAL - EXTEND CYLINDER
6	1	DD-169	DECAL - LIGHTS 1,2,3,4 (4-LIGHT OPTION)
		DD-282	DECAL - LIGHTS 1,2,3,4,5,6 (6-LIGHT OPTION)
7	1	DD-163	DECAL - DANGER ELECTRIC SHOCK
8	1	DD-034	DECAL - DIESEL

LEGEND: NS = Not Shown

** = Purchase Locally

D-5B

NO	REQ'D	PART NO	DESCRIPTION
1	1	DD-152	DECAL -NON-VERTICAL TOWER
2	1	DD-005	DECAL -CHECK FOR OVERHEAD OBSTRUCTIONS
3	1	DD-151	DECAL -OPERATING INSTRUCTIONS
4	1	DD-166	DECAL -CAUTION, OVERHEAD HAZARD
5	1	DD-165	DECAL -DANGER, ELECTRIC SHOCK
6	1	DD-263	DECAL -WARNING, PULL PIN
7	1	DD-179	DECAL -PROPOSITION 65, DIESEL
8	1	DD-325	DECAL -PICTORIAL OPERATOR, HYDRAULIC
9	1	DD-326	DECAL -LIFT INSTRUCTIONS

LEGEND: NS = Not Shown

** = Purchase Locally

MAXI-LITE SERIES W/ HYDRAULIC TOWER

INTERNATIONAL SAFETY AND WARNING DECALS (EURO PRODUCTS ONLY)

D-6A



DD-413
OFF POWER



DD-412
ON POWER



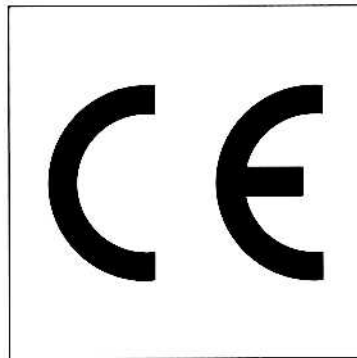
DD-409
FORK LIFT
POINT (RIGHT)



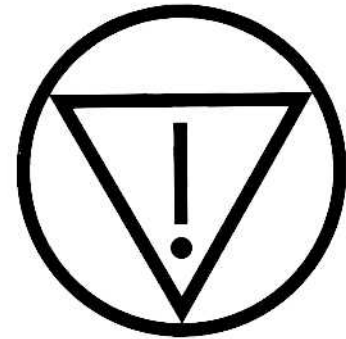
DD-410
FORK LIFT
POINT (LEFT)



DD-416
PROTECTIVE
EARTH GROUND



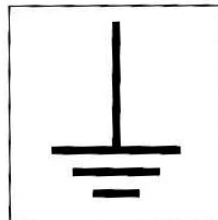
DD-415
CE APPROVAL
MARK



DD-414
EMERGENCY
STOP



DD-411
LIFT POINT



DD-419
EARTH
GROUND



DD-418
DO NOT
TOUCH



DD-417
BURN HAZARD
HOT SURFACE

MAXI-LITE SERIES W/ HYDRAULIC TOWER

INTERNATIONAL SAFETY AND WARNING DECALS (EURO PRODUCTS ONLY)

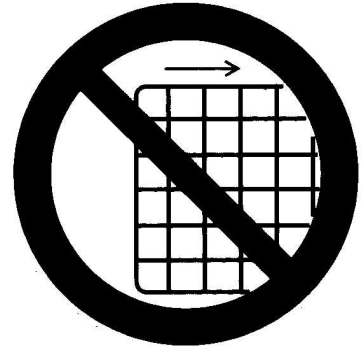
D-6B



DD-402
HAND ENTANGLEMENT



DD-401



DD-400
DO NOT OPERATE WITH



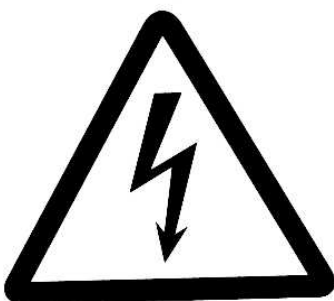
DD-405



DD-404
CONSULT SERVICE



DD-403
CONSULT OPERATOR'S



DD-408



DD-407
BODY CRUSH

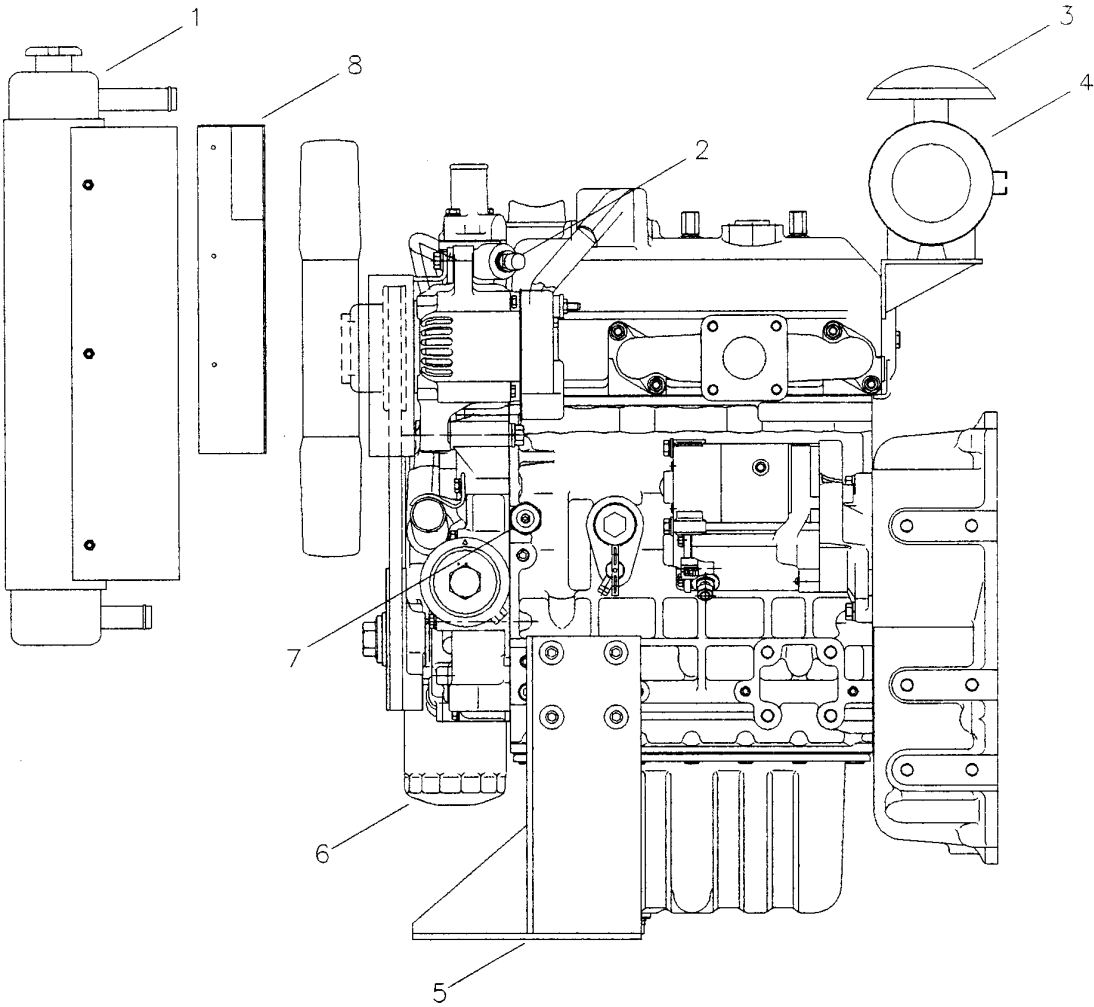


DD-406
BODY CRUSH

MAXI-LITE SERIES W/ HYDRAULIC TOWER

KUBOTA ENGINE

E-1A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

KUBOTA ENGINE

E-1B

NO	REQ'D	PART NO	DESCRIPTION
NS		352093	KUBOTA D905-EBG1 ENGINE/MARATHON 6 KW GEN. SET (SAE)
NS		352096	KUBOTA D905-EBG1 ENGINE/MARATHON 8 KW GEN. SET (SAE)
NS		352076	KUBOTA D1105-EBG1 ENGINE/MARATHON 6 KW GEN. SET (SAE)
NS		352077	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		640147	MARATHON 8 KW GENERATOR ONLY SAE)
NS	1	920745	KUBOTA FUEL FILTER
NS	1	H0016	FUEL LINE (1/4" FUEL LINE 72")
NS	1	H0005	RETURN LINE (NYLON HOSE 80")
NS	1	H0018	FUEL LINE (5/16" FUEL LINE 14")
NS	1	H0018	FUEL LINE(5/16" FUEL LINE 10")
NS	1	352080	ENGINE WIRING HARNESS - DC GAUGE PANEL/ENGINE
NS	1	352033	GENERATOR MOUNT PLATE, KUBOTA
	1	680128	GENERATOR MOUNT PLATE, KUBOTA (ALLMAND GOLD)
NS	1	@@@	TOP RADIATOR HOSE
NS	1	@@@	BOTTOM RADIATOR HOSE
NS	1	340105	GROUND STRAP
1	1	650107	RADIATOR
2	1	340302	HIGH TEMPERATURE SWITCH
3	1	340032	AIR CLEANER CAP
4	1	340034	AIR CLEANER/FILTER ELEMENT
5	1	640282	ENGINE MOUNT BRACE (LEFT)
	1	680126	ENGINE MOUNT BRACE (LEFT) (ALLMAND GOLD)
	1	640283	ENGINE MOUNT BRACE (RIGHT)
	1	680127	ENGINE MOUNT BRACE (RIGHT) (ALLMAND GOLD)
6	1	930743	KUBOTA OIL FILTER
7	1	340301	OIL PRESSURE SWITCH
8	1	650168	KUBOTA FAN GUARD

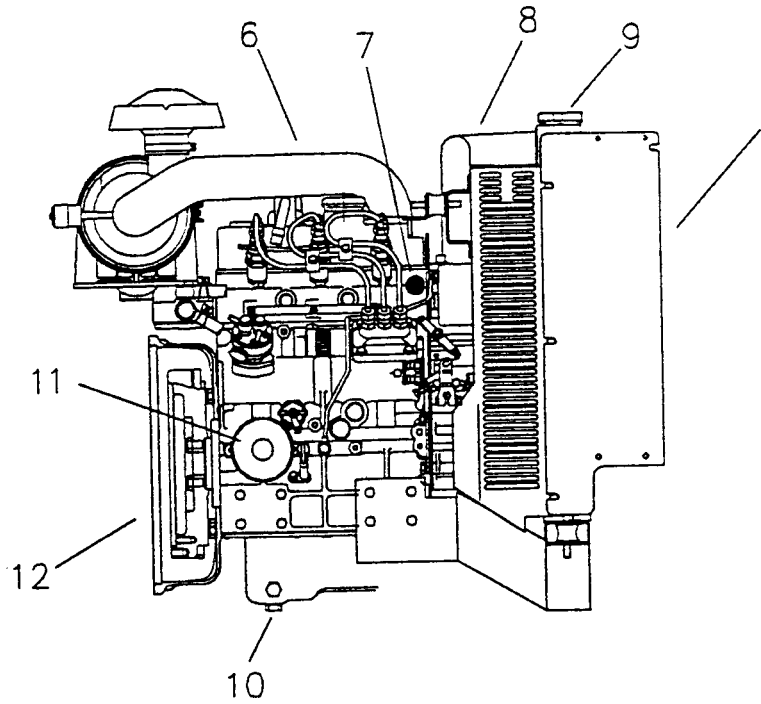
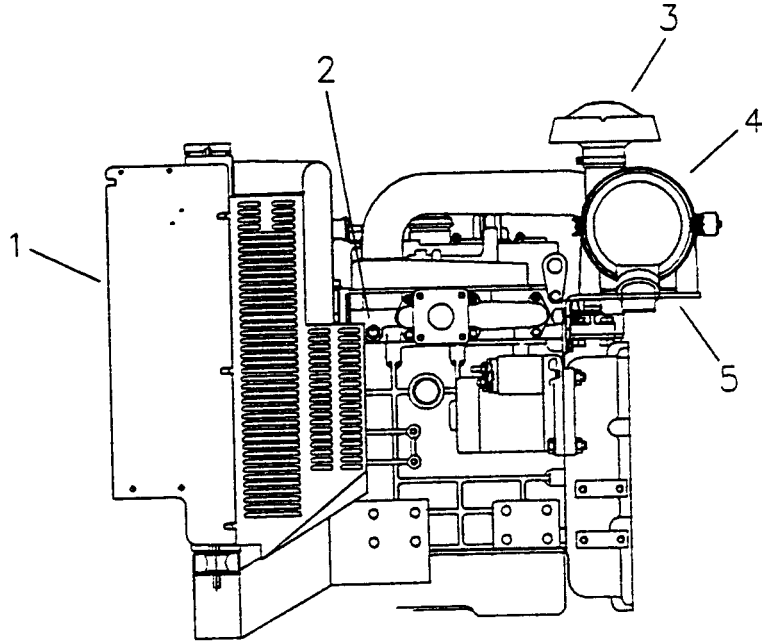
FOR ENGINE PARTS NOT SHOWN, SEE KUBOTA D905 PARTS LIST. FOR GENERATOR PARTS NOT SHOWN, SEE MANUFACTURER'S LIST OR CALL 800-562-1373 FOR ASSISTANCE.

LEGEND: NS = Not Shown
** = Purchase Locally
@@ = See Local Kubota Dealer

MAXI-LITE SERIES W/ HYDRAULIC TOWER

PERKINS 103.10

E-2A



MAXI-LITE SERIES W/ HYDRAULIC TOWER

PERKINS 103.10

E-2B

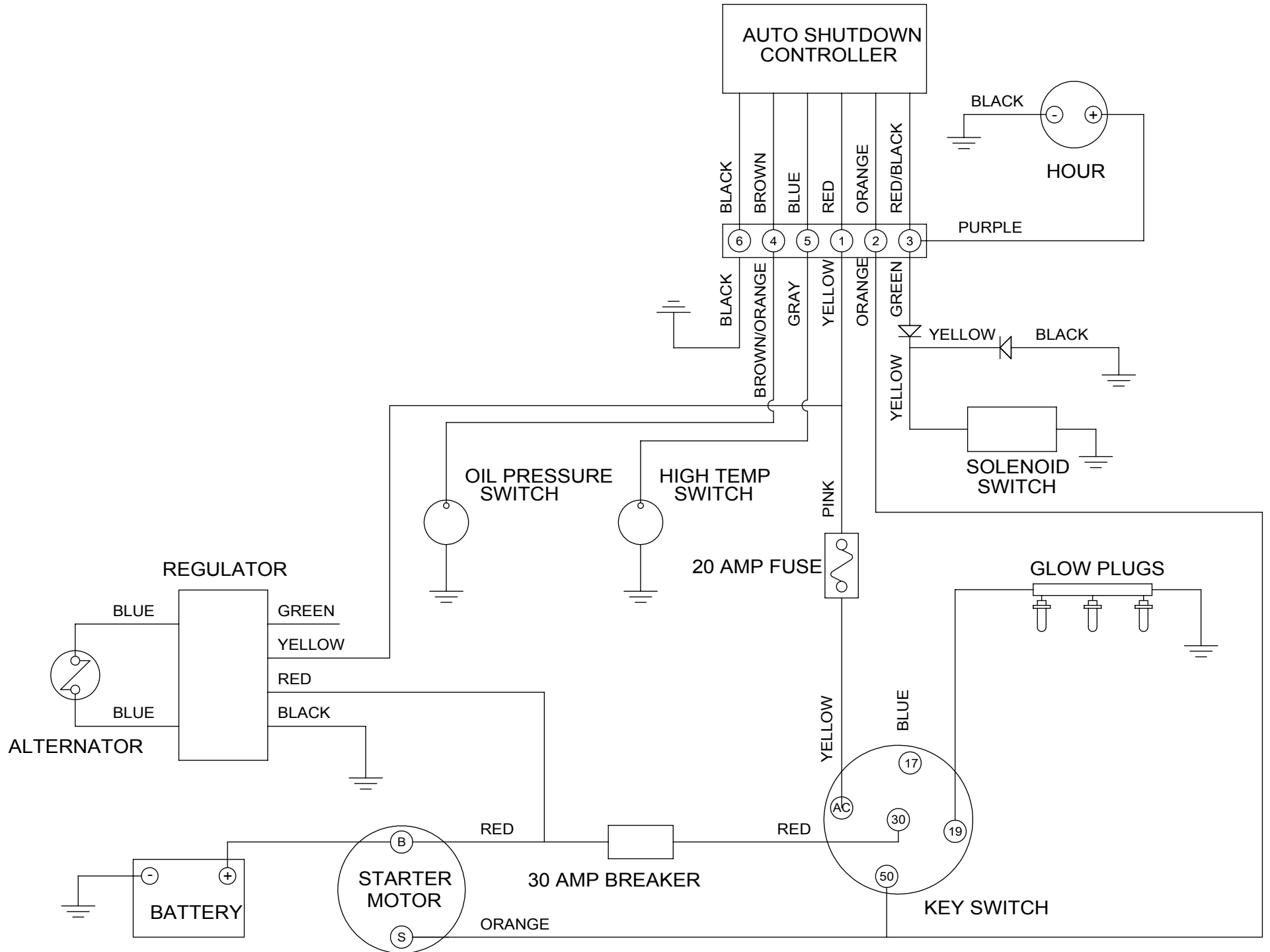
NO	REQ'D	PART NO	DESCRIPTION
1	2	650284	RADIATOR SHROUD, PERKINS, SIDE
2	1	@@@@	HIGH TEMPERATURE SWITCH
3	1	@@@@	AIR CLEANER DUST CAP
4	1	@@@@	AIR CLEANER
5	1	@@@@	AIR CLEANER, MOUNTING BRACKET
6	1	@@@@	AIR INTAKE HOSE
7	1	@@@@	OIL PRESSURE SWITCH
8	1	@@@@	UPPER RADIATOR HOSE
9	1	@@@@	RADIATOR
10	1	@@@@	OIL DRAIN PLUG
11	1	@@@@	OIL FILTER
12	1		PERKINS 103.10 ENGINE / MARATHON GENERATOR
	1	352160	PERKINS 103.10 ENGINE ONLY
	1	640146	MARATHON GENERATOR ONLY
NS	1	650279	RADIATOR SHROUD, PERKINS, UPPER
NS	1	650280	RADIATOR SHROUD, PERKINS, LOWER
NS	1	WP052	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	650285	PERKINS ENGINE WIRING HARNESS (SEE WRING SCHEMATIC)
NS	1	H0005	NYLON RETURN LINE (52")
NS	1	H0016	1/4 FUEL LINE (20")
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	352033	MARATHON GENERATOR MOUNT PLATE
	1	680128	MARATHON GEN. MOUNT PLATE (ALLMAND GOLD)
NS	1	352162	LEFT ENGINE MOUNT FOOT
	1	680126	LEFT ENGINE MOUNT FOOT (ALLMAND GOLD)
NS	1	352163	RIGHT ENGINE MOUNT FOOT
	1	680127	RIGHT ENGINE MOUNT FOOT (ALLMAND GOLD)
NS	1	352075	KUBOTA RADIATOR MOUNT PLATE
	1	352359	KUBOTA RADIATOR MOUNT PLATE (ALLMAND GOLD)
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

CAT C1.1 ENGINE WIRING HARNESS

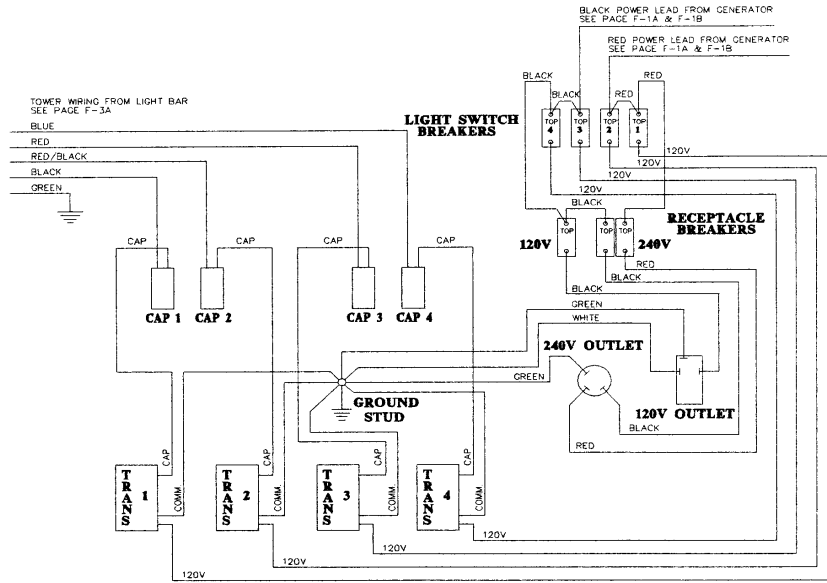


MAXI-LITE SERIES W/ HYDRAULIC TOWER

ELECTRICAL DIAGRAMS

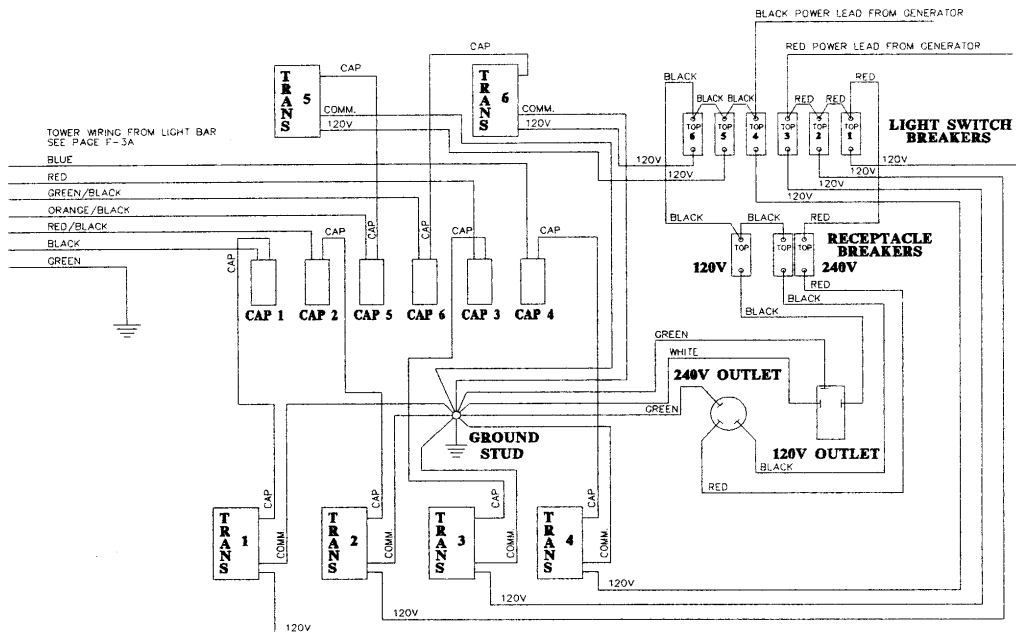
F-2A

BALLAST ASSEMBLY, 4-LIGHT



F-2B

BALLAST ASSEMBLY, 6-LIGHT

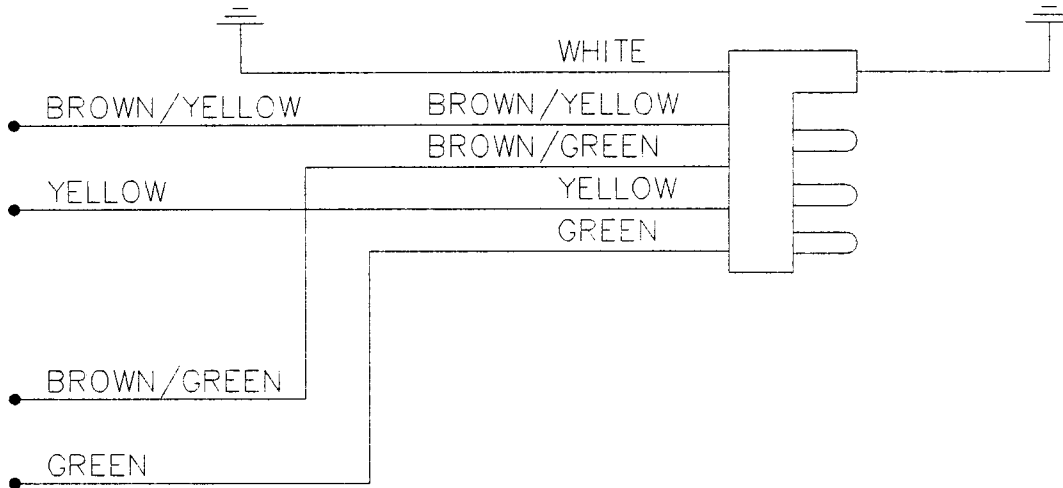


MAXI-LITE SERIES W/ HYDRAULIC TOWER

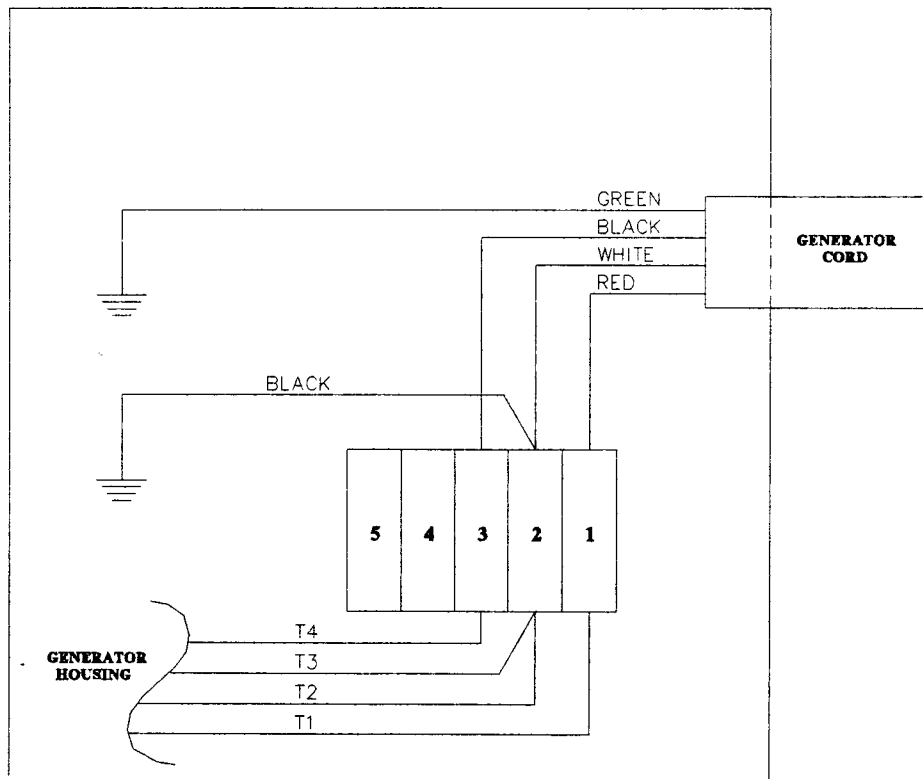
ELECTRICAL DIAGRAMS

F-3B

352037 TAILLIGHT WIRING HARNESS



MARATHON GENERATOR ELECTRICAL BOX WIRING

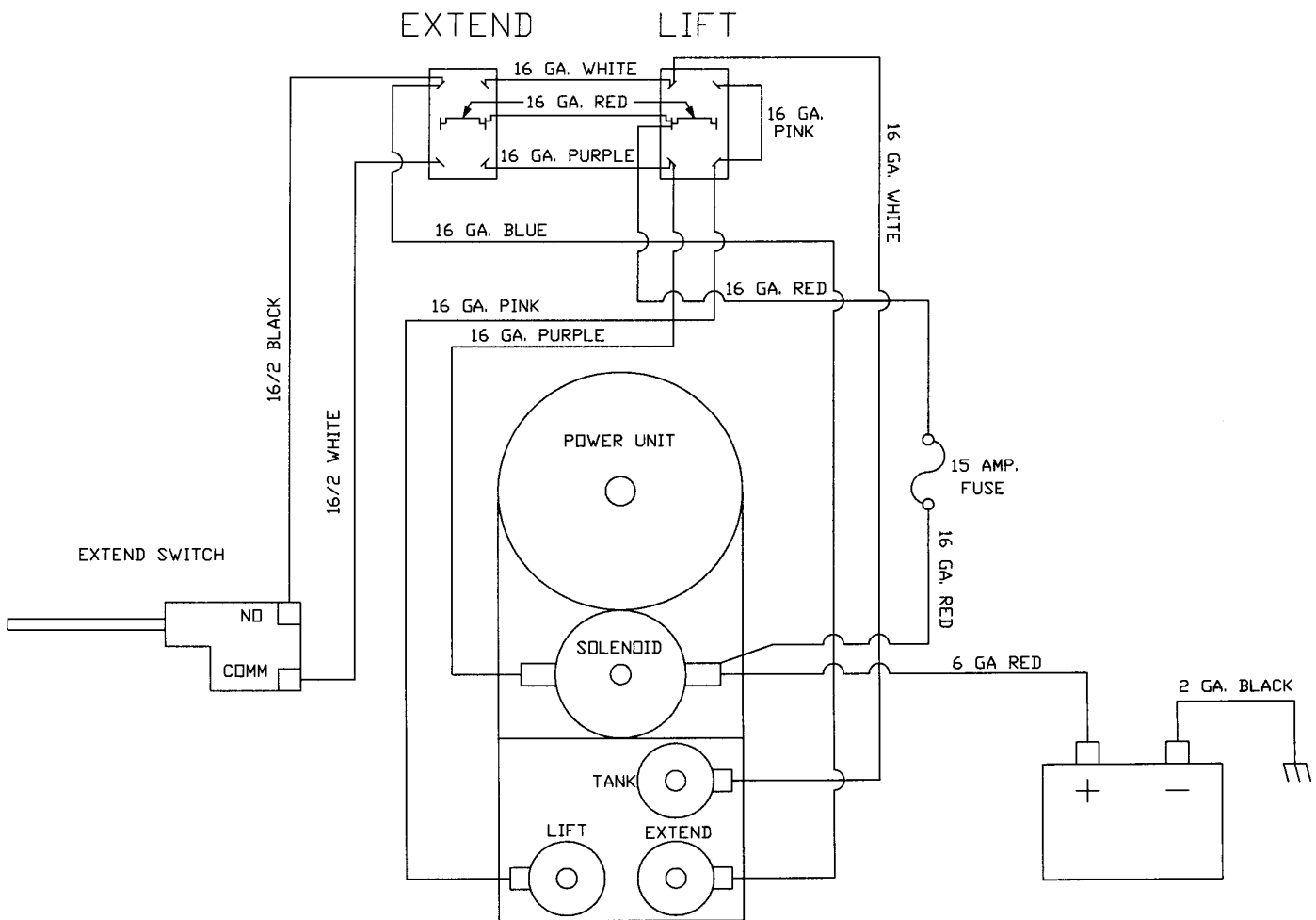


MAXI-LITE SERIES W/ HYDRAULIC TOWER

ELECTRICAL DIAGRAMS

F-4A

ELECTRICAL SCHEMATIC (HYDRAULIC SYSTEM)



MAXI-LITE SERIES W/ HYDRAULIC TOWER

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.