



**50 & 60Hz
NIGHT LITE PRO II
OPERATOR'S MANUAL**

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PART NO. 103402 REVISED JANUARY 2014

50 &60 Hz NIGHT LITE PRO II

RECORD IMPORTANT INFORMATION

Recording the equipment information will help, when placing an order for replacement parts and/ or decals.

Company Equipment No: _____

Unit model No: _____

Unit Vin: _____

Engine Model No: _____ **Serial No:** _____

Generator Model No: _____ **Serial No:** _____

Accessories: _____

⚠ WARNING

**CALIFORNIA
PROPOSITION 65**

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

⚠ WARNING

**CALIFORNIA
PROPOSITION 65**

Battery post, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm.
Wash hand after handling.

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INTRODUCTION

ABOUT THIS MANUAL

TAKE TIME TO READ THIS MANUAL THOROUGHLY

This instruction manual provides necessary instructions for the **NIGHT LITE PRO II** light tower.

The information found in this manual is in effect at the time of printing. Allmand Bros Inc. may change contents without notice and without incurring obligation.

Any reference in this manual to left or right shall be determined by looking at the trailer from the rear.

If you are uncertain about any of the information in the manual, contact Allmand service department at 1-800-562-1373, for clarification.

⚠ WARNING

EXPOSURE HAZARD
Always wear personal protective equipment, including appropriate clothing, gloves, work shoes, and eye and hearing protection, as required by the task at hand.



NOTICE

Only use replacement parts specified. Other replacement parts may effect warranty coverage.



SAFETY

SAFETY DEFINITIONS

NOTICE

Safety statements are one of the primary ways to call your attention to potential hazards. Follow the precautions listed throughout the manual before operation, during operation and during periodic maintenance procedures for your safety, the safety of others and to protect the performance of equipment. Keep the decals from becoming dirty or torn and replace them if they are lost or damaged. Also, if a part needs to be replaced that has a decal attached to it, make sure to order the new part and decal at the same time.



This safety alert symbol appears with most safety statements. It means attention,

become alert, your safety is involved! Read and abide by the message that follows the safety alert symbol.

DANGER

Indicates a hazardous situation which, if not avoided, **will** result in death or serious injury.

WARNING

Indicates a hazardous situation which, if not avoided, **could** result in death or serious injury.

CAUTION

Indicates a hazardous situation which, if not avoided, **could** result in minor or serious injury.

Indicates a situation which can cause damage to the equipment, personal property and/or the environment, or cause the equipment to operate improperly.

NOTE: provides key information to make procedures easier or clearer.

SAFETY PRECAUTIONS

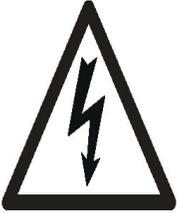
There is not substitute for common sense and careful practices. This information contains general safety precautions and guidelines that must be followed to reduce risk to personal safety. Special safety precautions are listed in specific procedures. Read and understand all of the safety precautions before operating or performing repairs or maintenance. This safety section cannot cover every situation that may occur that is incidental to the use of the equipment.

SAFETY

⚠ DANGER

The safety statements that follow have **DANGER** level hazards.

ELECTROCUTION HAZARD



- Always check overhead wires and obstructions before raising or lowering the light tower. Allow 10.6 m (35 feet) of clearance.
- High voltage is present when engine is running. Never attempt to service electrical components while engine is running.
- Do not operate the light tower if the insulation on the electrical cord or other electrical wiring is cut or worn or if bare wires are exposed. Repair or replace damaged wiring before starting the engine.

⚠ WARNING

The safety statements that follow have **WARNING** level hazards.

UNSAFE OPERATION HAZARD

- Never permit anyone to install or operate the equipment without proper training.
- Read and understand this Operator's Manual, the Engine Operator's Manual before operating or servicing the light tower to ensure that safe operating practices and maintenance procedures are followed.
- Safety signs and decals are additional reminders for safe operating and maintenance techniques.

FALL HAZARD

- Never carry riders on the equipment

MODIFICATION HAZARD

- Never modify the equipment without written consent of the manufacturer. Any modification can effect the safe operation of the equipment.

EXPOSURE HAZARD



- Always wear personal protective equipment, including appropriate clothing, gloves, work shoes, and eye and hearing protection, as required by the task at hand.

ROLLOVER HAZARD

- Do not raise, lower or use light tower unless all outriggers and jacks are positioned on firm ground.
- Never move or reposition the light tower while the light tower is extended in the vertical position.

EXPLOSION HAZARD



- While the engine is running or the battery is charging, hydrogen gas is being produced and can be easily ignited. Keep the area around the battery well ventilated and keep sparks, open flame and any other form of ignition out of the area.
- Always disconnect the negative (-) battery cable before servicing equipment.
- Only use the starting procedure as described in the *Engine Operator's Manual* to start the engine.
- Never charge a frozen battery. Always slowly warm the battery to room temperature before charging.

SAFETY

FIRE AND EXPLOSION HAZARD

- Diesel fuel is flammable and explosive under certain conditions.
- Never use a shop rag to catch the fuel.
- Wipe up all spills immediately.
- Never refuel with the engine running.
- Store any containers containing fuel in a well ventilated area, away from any combustibles or sources of ignition.

WARNING

The safety statements that follow have **WARNING** level hazards.

EXHAUST HAZARD



- All internal combustion engines create carbon monoxide gas during operation and special precautions are required to avoid carbon monoxide poisoning.
- Never block windows, vents or other means of ventilation if the equipment is operating in an enclosed area.
- Always ensure that all connections are tightened to specifications after repair is made to the exhaust system.

ALCOHOL AND DRUG HAZARD



- Never operate the light tower while under the influence of alcohol or drugs, or when ill.

ENTANGLEMENT / SEVER HAZARD



- Always stop the engine before beginning service.
- If the engine must be service while it is operating, remove all jewelry, tie back long hair and keep hands, other body parts and clothing away from moving/rotating parts.
- Verify that all guards and covers are attached properly to the equipment before starting the engine. Do not start the engine if any guards are or covers are not properly installed on the equipment.
- Attach a “Do Not Operate” tag near the key switch while performing maintenance on the equipment.

PIERCING HAZARD



- Avoid skin contact with high pressure hydraulic fluid or diesel fuel spray caused by a hydraulic or fuel system leak such as a broken hydraulic hose or fuel injection line. High pressure hydraulic fluid or fuel can penetrate your skin and result in serious injury. If you are exposed to high pressure hydraulic fluid or fuel spray, obtain prompt medical treatment.
- Never check for a hydraulic fluid or fuel leak with your hands. Always use a piece of wood or cardboard.

SAFETY

FLYING OBJECT HAZARD



- Always wear eye protection when cleaning the equipment with compressed air or high pressure water. Dust, flying debris, compressed air, pressurized water or steam may injure your eyes.

COOLANT HAZARD



- Wear eye protection and rubber gloves when handling engine coolant. If contact with the eyes or skin should occur, flush eyes and wash immediately with clean water.

BURN HAZARD



- light fixtures and some of the engine surfaces become very hot during operation and shortly after shutdown.
- Keep hands and other body parts away from hot engine surfaces.
- Handle hot components, such as light fixtures, with heat resistant gloves.

CAUTION

The safety messages that follow have CAUTION level hazards.

TOOL HAZARD

- Always use tools appropriate for the task at hand and use the correct size tool for loosening or tightening equipment parts.

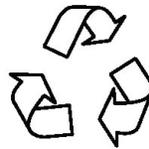
SLIP HAZARD

- Immediately clean up any spilled liquid on the shop floor.
- Clean up accumulated dirt and debris on the shop floor at the end of each shift.

NOTICE

The safety statements that follow have NOTICE level .

- Any part which is found defective as a result of inspection or any part whose measured value does not satisfy the standard or limit MUST be replaced.
- Always tighten components to the specified torque. Loose parts can cause equipment damage or cause it to operate improperly.



- Follow the guidelines of the EPA or other governmental agencies for the proper disposal of hazardous materials such as engine oil, diesel fuel and engine coolant.
- Only use replacement parts specified. Other replacement parts may effect warranty coverage.
- Clean all accumulated dirt and debris away from the body of the equipment and its components before you inspect the equipment or perform preventative maintenance procedures or repairs. Operating equipment with accumulated dirt and debris will cause premature wear of equipment components.
- Never dispose of hazardous materials by dumping them into a sewer, on the ground, or into groundwater or waterways.
- Retrieve any tools or parts that may have dropped inside of the equipment to avoid improper equipment operation.
- If any alert indicator illuminates during equipment operation, stop the engine immediately. Determine the cause and repair the problem before continuing to operate the equipment.

SAFETY DECALS

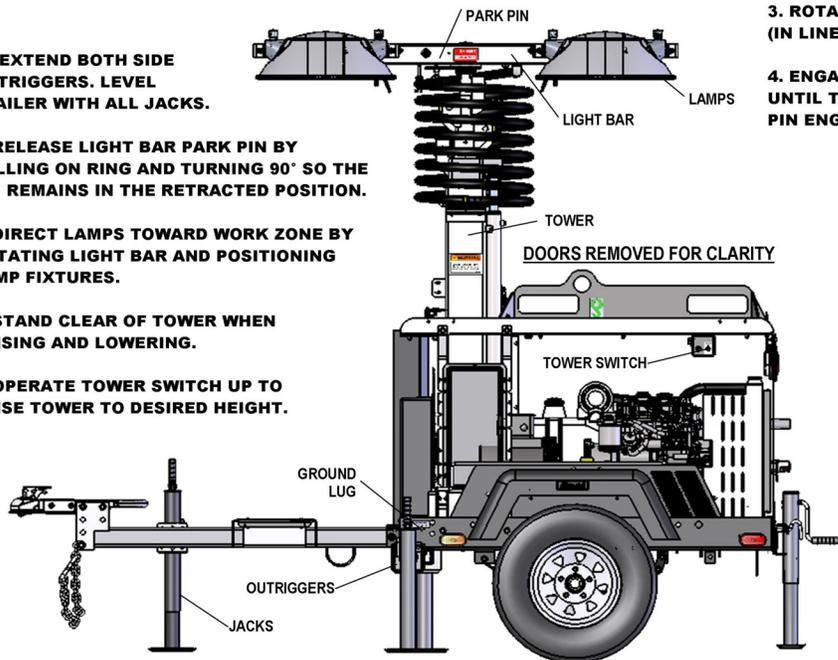
NL PRO II VERTICAL TOWER DECAL REFERENCE GUIDE

SETUP TRAILER AND RAISE TOWER



CHECK FOR OVERHEAD POWER LINES

1. EXTEND BOTH SIDE OUTRIGGERS. LEVEL TRAILER WITH ALL JACKS.
2. RELEASE LIGHT BAR PARK PIN BY PULLING ON RING AND TURNING 90° SO THE PIN REMAINS IN THE RETRACTED POSITION.
3. DIRECT LAMPS TOWARD WORK ZONE BY ROTATING LIGHT BAR AND POSITIONING LAMP FIXTURES.
4. STAND CLEAR OF TOWER WHEN RAISING AND LOWERING.
5. OPERATE TOWER SWITCH UP TO RAISE TOWER TO DESIRED HEIGHT.



LOWER TOWER AND PREPARE FOR TOWING

1. OPERATE TOWER SWITCH TO LOWER TOWER.
2. STAND CLEAR OF TOWER WHEN RAISING AND LOWERING.
3. ROTATE LIGHT BAR INTO PARK POSITION (IN LINE WITH TRAILER).
4. ENGAGE PARK PIN BY TWISTING ON RING UNTIL THE PLUNGER IS RELEASED AND THE PIN ENGAGES THE HOLE IN THE LIGHT BAR.
5. REPOSITION LAMP FIXTURE FOR TRANSPORT BY PULLING THEM DOWN INTO THE LOWEST POSITION AND FACING TOWARD THE CENTER OF THE TRAILER.
6. RAISE JACKS AND SWING INTO TRANSPORT POSITION.
7. RETRACT OUTRIGGERS AND SECURE.



FOR PARTS AND SERVICE CONTACT YOUR AUTHORIZED DEALER OR VISIT ALLMAND ON THE WEB AT www.allmand.com OR CALL 1-800-562-1373

103021

ENGINE START

1. Turn the starter switch counterclockwise to the Preheat position in order to heat the glow plugs on the engine. A Preheating time of 6-9 seconds is required.
2. Turn the starter switch key clockwise to Start position. Release the key as soon as the engine starts.
3. If engine fails to start, repeat cycle.

LIGHTS
1-2 3-4

102252

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

090084

www.allmand.com



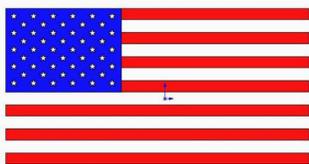
You **MUST** lower the tower to the lowest position prior to moving the light tower trailer or **DAMAGE MAY OCCUR!** Hold the down switch for 3 additional seconds after tower appears to be down.

100247



Do not stand under lamp fixtures or near the mast when raising or lowering.

101404

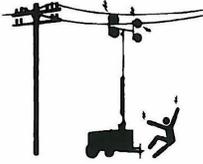


Made in USA

SAFETY DECALS

NL PRO II VERTICAL TOWER DECAL REFERENCE GUIDE

⚠ DANGER



ELECTRIC SHOCK HAZARD
Will Cause Severe Injury or Death.
Do not position light tower under electric power lines.

090165

⚠ 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.

090163

⚠ 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.

090162

IMPORTANT
FLUID CONTAINMENT SYSTEM (FCS)
INSPECT REGULARLY,
DRAIN AS REQUIRED.
ENSURE ALL PLUGS ARE RE-FITTED.
KEEP DOORS CLOSED WHENEVER PRACTICAL.

↓ TRAY DRAIN PLUG ON BOTTOM. ↓ OIL DRAIN PLUG ON BOTTOM. ↓

101076

WINCH UP



DOWN

090399 081080

DIESEL

090034

ARCTIC SPECIAL

⚠ EPA REGULATION
USE LOW SULFUR FUEL OR ULTRA LOW SULFUR FUEL ONLY

181087

⚠ WARNING

EXCESSIVE TOWING SPEED
To prevent serious injury, death or equipment damage DO NOT EXCEED 55 MPH(88 km/hr).

105240

⚠ DANGER
HIGH VOLTAGE

090002

CALIFORNIA Proposition 65 Warning
Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproduction harm.

090179

GROUNDING LUG

090133

⚠ WARNING

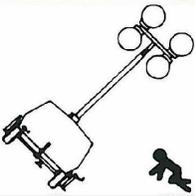


To Prevent Serious Injury or Death:

- 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.

090158

⚠ 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.

090166

⚠ WARNING



ROLL OVER HAZARD
To Prevent Injury or Equipment Damage:

- Avoid high speeds and sharp turns when towing.

090226

⚠ WARNING



COMBUSTIBLE GAS
Can Cause Severe Burns or Blindness.

- Keep sparks and open flame away from batteries.

090159

SAFETY DECALS

NL PRO II MANUAL TOWER DECAL REFERENCE GUIDE

SETUP TRAILER AND RAISE TOWER



CHECK FOR OVERHEAD POWER LINES

1. EXTEND BOTH SIDE OUTRIGGERS. LEVEL TRAILER WITH ALL JACKS.

2. PULL REAR PIN BACK TO RELEASE MAST FROM MAST SUPPORT.

3. TURN CRANK ON SIDE OF TRAILER CLOCKWISE TO RAISE TOWER TO VERTICAL.

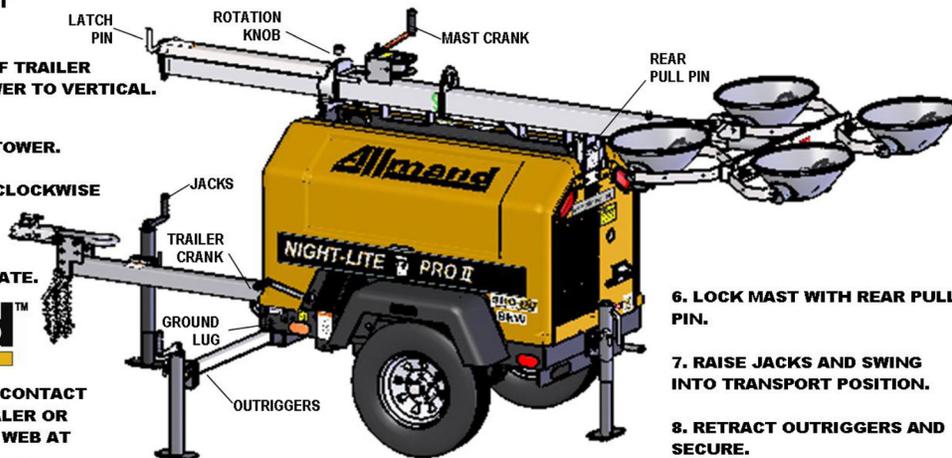
4. LATCH PIN TO SECURE TOWER.

5. TURN CRANK ON MAST CLOCKWISE TO RAISE LIGHTS.

6. TURN KNOB TO ALLOW MAST AND LIGHTS TO ROTATE.



FOR PARTS AND SERVICE CONTACT YOUR AUTHORIZED DEALER OR VISIT ALLMAND ON THE WEB AT www.allmand.com OR CALL 1-800-562-1373



LOWER TOWER AND PREPARE FOR TOWING

1. ROTATE MAST UNTIL WINCH HANDLE POINTS TO FRONT OF TRAILER.

2. TURN CRANK ON MAST COUNTERCLOCKWISE TO LOWER LIGHTS TO LOWEST VERTICAL POSITION.

3. TURN CRANK ON SIDE OF TRAILER CLOCKWISE UNTIL CABLE IS TIGHT.

4. RELEASE LATCH PIN.

5. TURN CRANK ON SIDE OF TRAILER TO FOLD MAST DOWN.

6. LOCK MAST WITH REAR PULL PIN.

7. RAISE JACKS AND SWING INTO TRANSPORT POSITION.

8. RETRACT OUTRIGGERS AND SECURE.

103018

ENGINE START

1. Turn the starter switch counterclockwise to the Preheat position in order to heat the glow plugs on the engine. A Preheating time of 6-9 seconds is required.

2. Turn the starter switch key clockwise to Start position. Release the key as soon as the engine starts.

3. If engine fails to start, repeat cycle.

LIGHTS

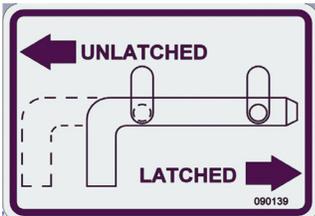
1-2 3-4

102252

WARNING

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

090084



090139

www.allmand.com



961080

WARNING



UNLATCH PIN

TO PREVENT INJURY OR MACHINE DAMAGE

PULL PIN BACK TO RELEASE MAST FROM MAST SUPPORT BEFORE OPERATING WINCH

103020



ARCTIC SPECIAL



WARNING

Do not stand in front of Mast or underneath rear of Mast when raising or lowering.

090003

SAFETY DECALS

NL PRO II MANUAL TOWER DECAL REFERENCE GUIDE

⚠ DANGER



ELECTRIC SHOCK HAZARD
Will Cause Severe Injury or Death.
Do not position light tower under electric power lines.

090165

⚠ 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.

090163

⚠ 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.

090162

⚠ DANGER

HIGH VOLTAGE

090002

⚠ EPA REGULATION

USE LOW SULFUR FUEL OR ULTRA LOW SULFUR FUEL ONLY

101057

⚠ WARNING



ROLL OVER HAZARD
To Prevent Injury or Equipment Damage:

- Avoid high speeds and sharp turns when towing.

090226

LIFTING INSTRUCTIONS

⚠ WARNING

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



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.

LATCH PIN

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.

103019

⚠ 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.

090166

IMPORTANT

FLUID CONTAINMENT SYSTEM (FCS)
INSPECT REGULARLY, DRAIN AS REQUIRED.
ENSURE ALL PLUGS ARE RE-FITTED. KEEP DOORS CLOSED WHENEVER PRACTICAL.

↓ TRAY DRAIN PLUG ON BOTTOM. ↓ OIL DRAIN PLUG ON BOTTOM. ↓

101076

⚠ CAUTION

If Winch will be used in freezing or icy conditions, apply silicone to ratchet pawl and spacer. See items V, W & X in Owners Manual.

090474

GROUNDING LUG

090133

DIESEL

090034

⚠ 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.

090158

⚠ WARNING

EXCESSIVE TOWING SPEED
To prevent serious injury, death or equipment damage DO NOT EXCEED 55 MPH(88 km/hr).

103020

CALIFORNIA Proposition 65 Warning
Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproduction harm.

090179

⚠ WARNING



NON-VERTICAL TOWER
Can Cause Severe Injury or Death.

- Keep all persons clear before raising or lowering mast.
- Do not extend or retract mast unless latch is securely in place.

090164

⚠ WARNING



COMBUSTIBLE GAS
Can Cause Severe Burns or Blindness.

- Keep sparks and open flame away from batteries.

090159

TRAILERING, TRANSPORTING AND LIFTING

PREPARING THE NIGHT LITE PRO II FOR DELIVERY OR RENTAL

The NIGHT LITE PRO II light tower requires service as well as proper operation in order to provide the performance and safety it has been designed for. Never deliver or put machine into service with known defects or missing instructions or decals. Always instruct the customer in proper operation and safety procedures as described in this *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 light tower locking bar latch assembly which locks the light tower in the vertical position for proper operation.
- Check the hitch assembly and safety 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. **Danger! Electrocutation Hazard.**

Do not operate the light tower if the insulation on the electrical cord or other electrical wiring is cut or worn, or if bare wires are exposed. Repair or replace damaged wiring before starting the engine.

- Check ground rod cable and the ground lug. Make sure they are clean, undamaged and functional.
- Inspect tires to insure good condition and proper inflation.
- Check engine oil, fuel, engine coolant levels and hydraulic fluid levels, if equipped.
- Check to make sure the *Light Tower Operator's Manual and Generator Operator's Manual* are with the equipment.
- Check to make sure the quick reference operation card is with the equipment and properly tethered.
- Inspect the machine physically for damage and repair if necessary.

NOTICE: See appropriate section of the *Engine Operator's Manual and Generator Operator's Manual* for additional pre-operation checks.

TRAILERING, TRANSPORTING AND LIFTING

After completing the pre-operation check list, operate the tower through a complete operation cycle, following the operating instructions in the NIGHT LITE PRO II Operator's Manual.

Warning! *Unsafe operation Hazard. Never permit anyone to install or operate the equipment without proper training.*

ALWAYS READ AND UNDERSTAND THE INSTRUCTIONS FIRST.

Before trailering, transporting or lifting, read *Safety* on page 8.

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

BEFORE TRAILERING OR TRANSPORTING

Perform the following before trailering / transporting:

- Lower the light tower and shut down the tower lights and the engine; See *Shutdown - prepare for trailering* on page 18.
- Visually inspect the trailer and equipment for damage. Repair or replace any components as needed before trailering.
- Check the trailer lights for proper operation
- Inspect the tires to insure good condition and proper inflation.
- Inspect trailer springs and undercarriage for damage or loose parts.
- Check the hitch assembly and safety chains.
- Ensure the outriggers and jacks are properly stowed.
- Ensure the ground rod and cable are disconnected and properly stowed.
- Clean any spills from inside the trailer bilge area around the outside of the trailer; they may have occurred during operation.
- Ensure all compartment doors are closed and securely locked.

TRAILERING, TRANSPORTING AND LIFTING

Shutdown - Prepare for Trailering

1. With the tower lights off, lower the light tower to the full DOWN position; See *Raising and Lowering the light tower* on page 44-45.

2. Turn the engine off. Refer to your *Engine Operator's Manual* for stopping procedure.

Notice: See appropriate section of the *Engine Operators Manual and Generator Operator's Manual* for additional post - operation and shutdown procedures.

3. Adjust the light bar and light fixtures for trailering; see *Tower lights - Stowage for trailering* on Page 19.

Notice: Visually inspect the light mounting brackets and hardware for loose fasteners or damaged brackets. Repair any problems before trailering.

4. Secure the light cords into the hook on the rear mast support . (Laydown Tower only).

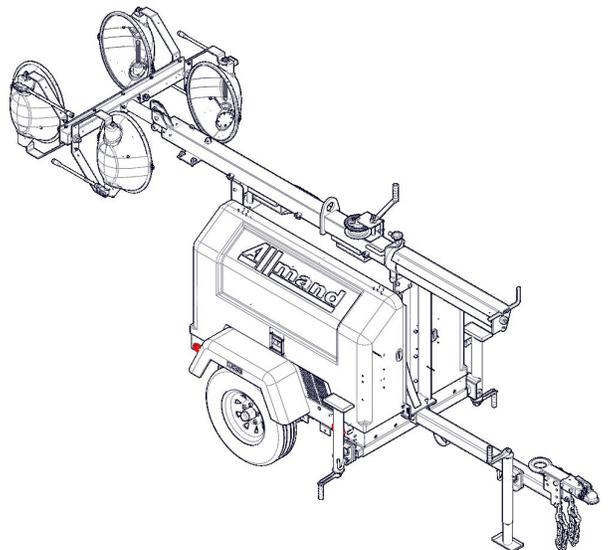
5. Disconnect the ground rod cable from the ground lug. Remove the ground rod from the earth and clean and secure the ground rod and cable in the trailer.

6. Close, secure and lock all compartment doors.

7. Raise each rear stabilizer jack and rotate into trailering position (horizontal with outrigger bar).

8. Retract each outrigger bar and secure in the stowed position with latch pin.

Notice: Be sure each outrigger jack is securely latched in transporting position by installing the outrigger lock pins before transporting.



TRAILERING, TRANSPORTING AND LIFTING

Vertical Tower Lights - Stowage for Trailering

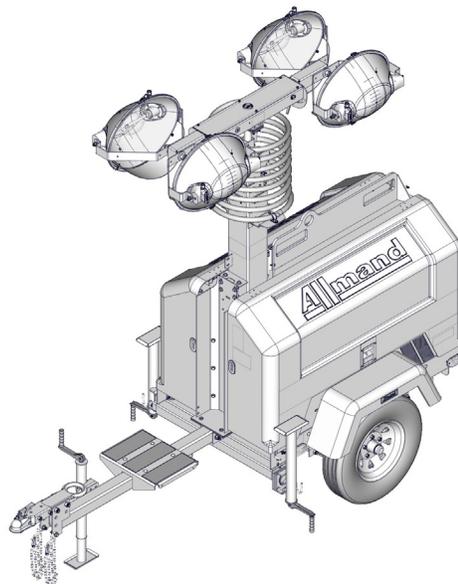
The light bar and fixtures must be stowed before trailering or transporting.

WARNING! Burn Hazard. The light fixtures become extremely hot during use.

Always use caution and heat - resistant gloves when handling the Lights or allow to the lights to sufficiently cool down before handling.

1. Ensure lights are off and tower is lowered to the full DOWN position; see *Raising and lowering the light Tower* on page 44-45.
2. Release the light bar park pin by pulling the ring and turning it 90 degrees so that the pin remains in the retracted position.
3. Rotate the light bar into the trailering / transport park position (in line with trailer) and engage the park pin by twisting the park pin ring until the plunger is released and the pin engages and locks into the hole in the light bar.
4. Reposition the light fixtures for trailering / transport by pulling them down into the lowest position and face the fixtures toward the center of the trailer. (**see below**)

NOTE: If lights are to be removed for trailering / transporting, see *Tower Lights - Removal for trailering / transporting* (Optional) on page 21.



TRAILERING, TRANSPORTING AND LIFTING

Laydown Tower Lights - Stowage for Trailering

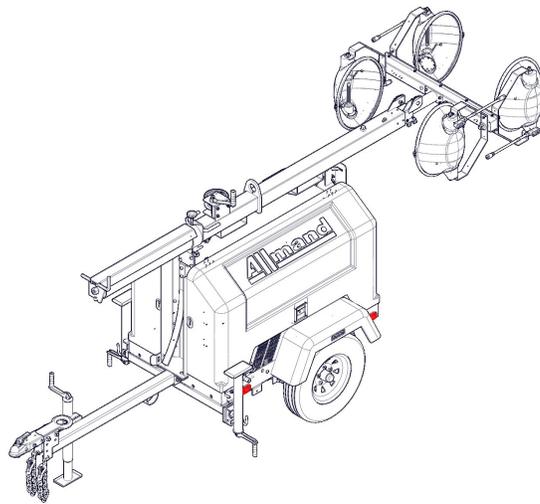
The light bar and fixtures must be stowed before trailering or transporting.

WARNING! Burn Hazard. The light fixtures become extremely hot during use.

Always use caution and heat - resistant gloves when handling the Lights or allow to the lights to sufficiently cool down before handling.

1. Ensure lights are off and tower is lowered to the full DOWN position; see *Raising and lowering the light Tower* on page 44-4.
2. Rotate the light bar into the trailering / transport park position (in line with front of the trailer) and tighten the tower lock knob.
3. Reposition the light fixtures for trailering / transport by pulling them by facing the fixtures toward the mast. (**see below**)
4. Lower mast into rear tower support and engage tower lock.

NOTE: If lights are to be removed for trailering / transporting, see *Tower Lights - Removal for trailering / transporting* (Optional) on page 21.



TRAILERING, TRANSPORTING AND LIFTING

Tower Lights - Removal for Trailering (Optional)

Your light tower may be equipped with lights that can be removed for trailering / transport or for theft prevention.

WARNING! Burn Hazard. The light fixtures become extremely hot during use.

Always use caution and heat - resistant gloves when handling the Lights or allow to the lights to sufficiently cool down before handling.

1. Ensure lights are off and tower is lowered to the full DOWN position; see *Raising and lowering the light Tower* on page 44-45.
2. Disconnect the electrical cord from each light fixture.
3. While supporting the light fixture, remove the nut and washer assembly fastening the main fixture Bracket and remove each light fixture and bracket (**Figure 23**).
4. Store each light fixture to avoid any damage during transport.

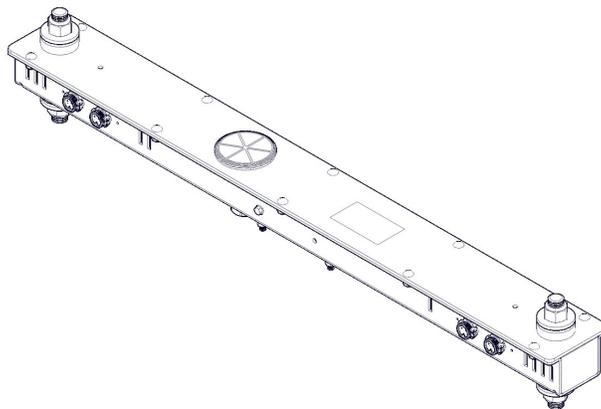


FIGURE 23

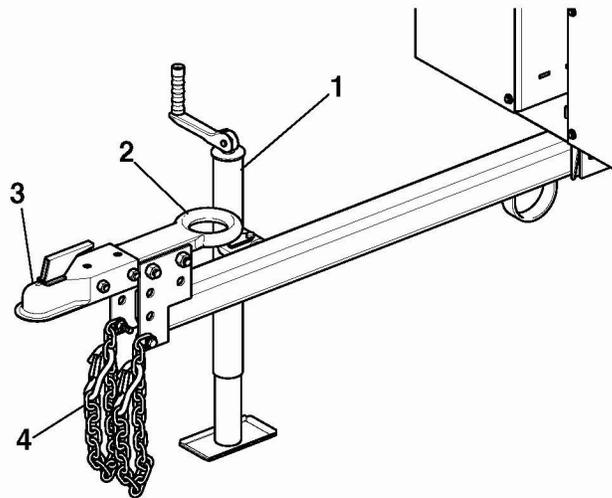
TRAILERING, TRANSPORTING AND LIFTING

TRAILERING / TOWING

Before trailering / towing the light tower trailer, read *Before Trailering / Transporting* on page 17 and read *Safety* on page 8.

NOTICE: Maximum highway speed is 50 mph (80 km/h) and maximum off highway speed is 10 mph (16 km/h). Do not exceed these limits or damage to light tower may occur.

Trailer Component Identification



ALB_O_0009

Figure 24

- 1 –Tongue Jack - Used to raise, lower and level trailer tongue**
- 2 –Pintle Ring Hitch Coupler (3 in.)**
- 3 –Ball Hitch Coupler (2 in.)**
- 4 –Safety Chains - Safety connection to tow vehicle in case coupler disconnects**

TRAILERING, TRANSPORTING AND LIFTING

Towing Vehicle and Hitch Considerations

The towing vehicle must be able to safely pull the full trailer load. Never pull a trailer load that exceeds the vehicle's towing capacity; you risk losing control of the trailer and/or vehicle. Before trailering, always check your vehicle owner's manual for maximum towing/trailering load specifications and maximum gross vehicle weight specifications that include the fully loaded trailer.

The vehicle must have a towing hitch that is capable of safely handling the trailering load and tongue weight of the trailer.

WARNING! Control Hazard. A vehicle hitch that is underrated or improperly installed can lead to loss of control of the trailer and/or vehicle. Never use a hitch size or rating that does not match the trailer coupler specifications.

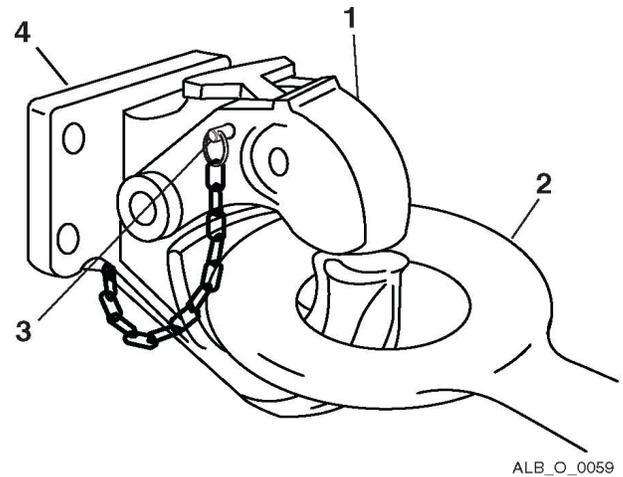
Connecting the Trailer Hitch Coupler and Lights

The trailer is equipped with a combination trailer coupler for a 2-inch ball hitch and a 3-inch lunette ring for a pintle hitch.

The trailer coupler must be reversed to use either the ball or lunette hitch coupler. To reverse the coupler, remove the two bolts and reposition the coupler as needed.

WARNING! Control Hazard. Ensure the coupler bolts are tightened before trailering.

Typical Lunette Ring Pintle Type Hitch and Coupler

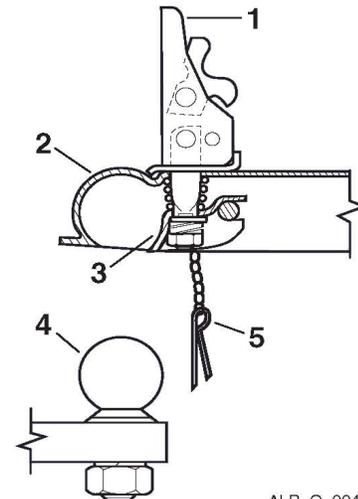


ALB_O_0059

Figure 25

- 1 –Latch and Release Lever
- 2 –Trailer Coupler Lunette Ring
- 3 –Latch Lever Safety Pin
- 4 –Vehicle Hitch

Typical Ball Type Hitch and Coupler



ALB_O_0044

Figure 26

- 1 –Latch and Release Lever
- 2 –Trailer Coupler Socket
- 3 –Coupler Clamp
- 4 –Vehicle Hitch and Ball
- 5 –Latch Lever Safety Pin

TRAILERING, TRANSPORTING AND LIFTING

The trailer's safety chains prevent the trailer from completely detaching from the towing vehicle when underway.

NOTICE: Safety chains must be rated at the same or greater weight capacity as the trailer's GVWR.

Before trailering, read page 17.

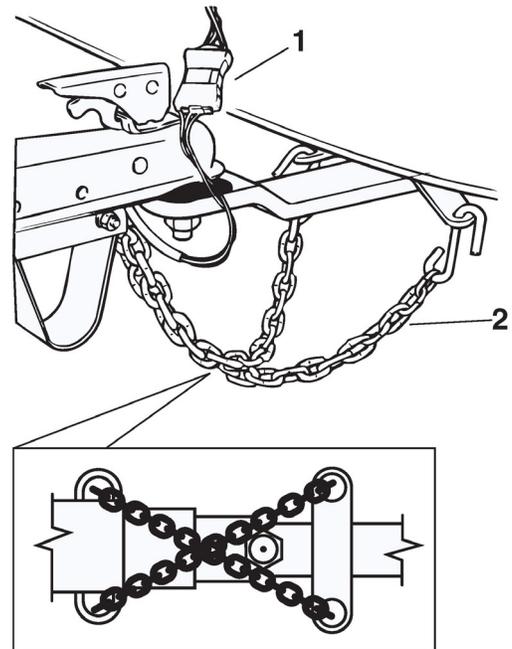
1. Connect the tow vehicle hitch to the trailer coupler. Make sure the coupler is securely attached to the tow vehicle's hitch.
2. Connect the safety chains (**Figure 27, 2**) to the vehicle's hitch frame and crisscross the chains under the trailer tongue to prevent the tongue from dropping to the road if the trailer separates from the hitch ball. Rig the chains as tight as possible with enough slack to permit free turning.

Warning! Control hazard. Attach the safety chains properly and securely between the towing vehicle and trailer before trailering. Never allow the chains to drag the ground when trailering.

3. Connect the 4-pin light connector (**Figure 27, 1**) from the vehicle harness to the trailer harness.
4. Ensure there is adequate slack in the harness to prevent from binding or disconnecting when turning.

NOTICE: Do not allow excessive harness slack or the harness can be damaged from scraping the ground.

5. Before trailering, check all lights for proper operation.



ALB_O_0045

Figure 27

- 1 –4-pin Trailer Light Harness Connector
- 2 –Trailer Safety Chains

TRAILERING, TRANSPORTING AND LIFTING

LIFTING THE LIGHT TOWER

The approximate fully loaded weight of the light tower and trailer is 1807 lbs. (820 kg) with four fixtures

The **NIGHT LITE PRO II** light tower is equipped with top forklift pockets and a lifting eye for lifting or hoisting.

The safety messages that follow have **Warning level hazards**.

- **Rollover hazard. Before lifting, lower the light tower and shut down the tower lights and the engine; see Shutdown - Prepare for Trailering on page 18.**
- **Crush Hazard. Always make sure the lifting device you are using is in good condition and is rated for the maximum capacity of the task to safely lift the light tower trailer.**
- **Crush Hazard. Always acquire assistance when using a forklift, crane or hoist and when unloading.**
- **Crush hazard. Only use the lifting eye on the lifting bar to lift or hoist the unit with a hoist or crane.**
- **Crush hazard. Only use shackles or a locking - type hook when lifting.**
- **Crush hazard. Do not stand or walk under the unit when lifted and keep others away.**

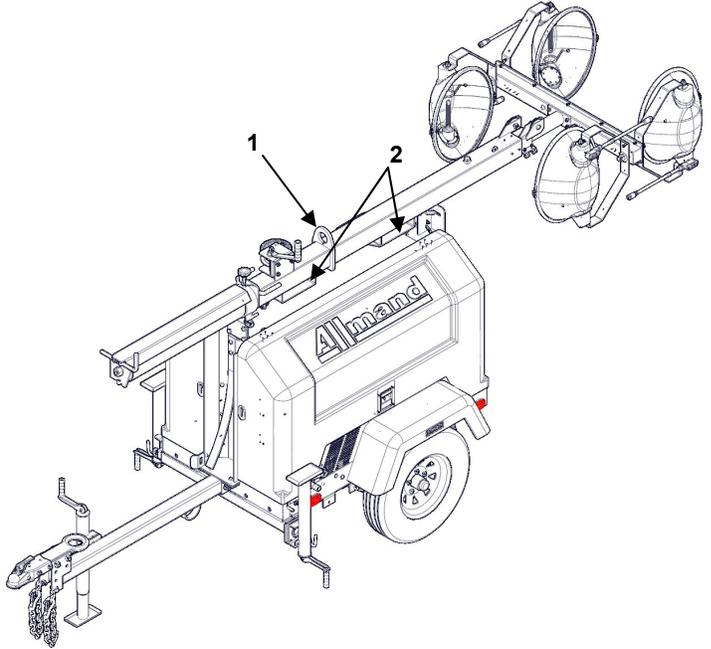


Figure 28

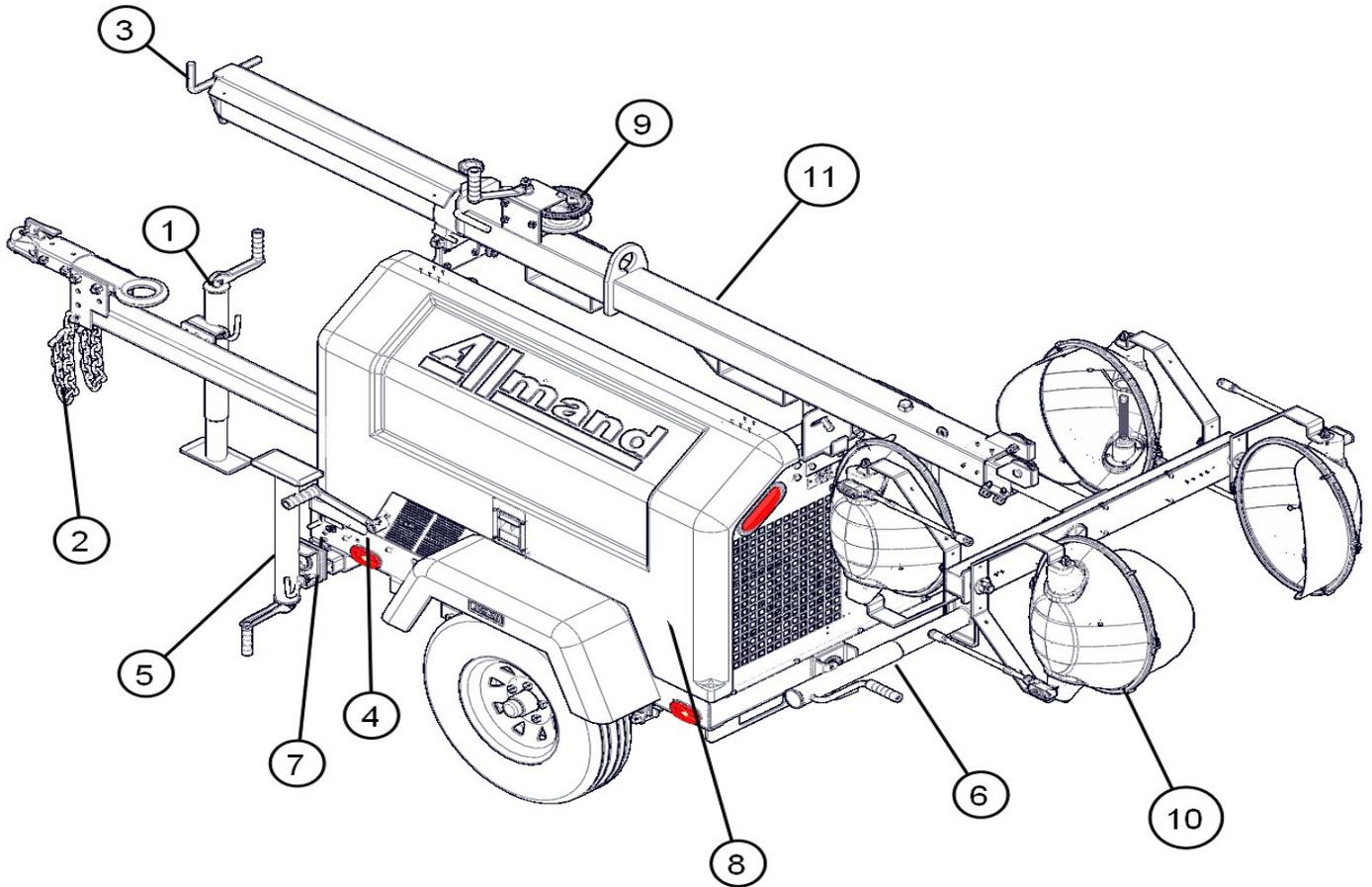
1. Lifting Eye
2. Forklift Lift Pockets

TRANSPORTING ON A TRAILER

When transporting on a truck or trailer, always secure the unit using properly rated tie - down chains or straps connecting the light tower trailer frame to the towing trailer. The operator of the towing vehicle is responsible for securing the load properly.

GENERAL SERVICE INFORMATION

EQUIPMENT IDENTIFICATION

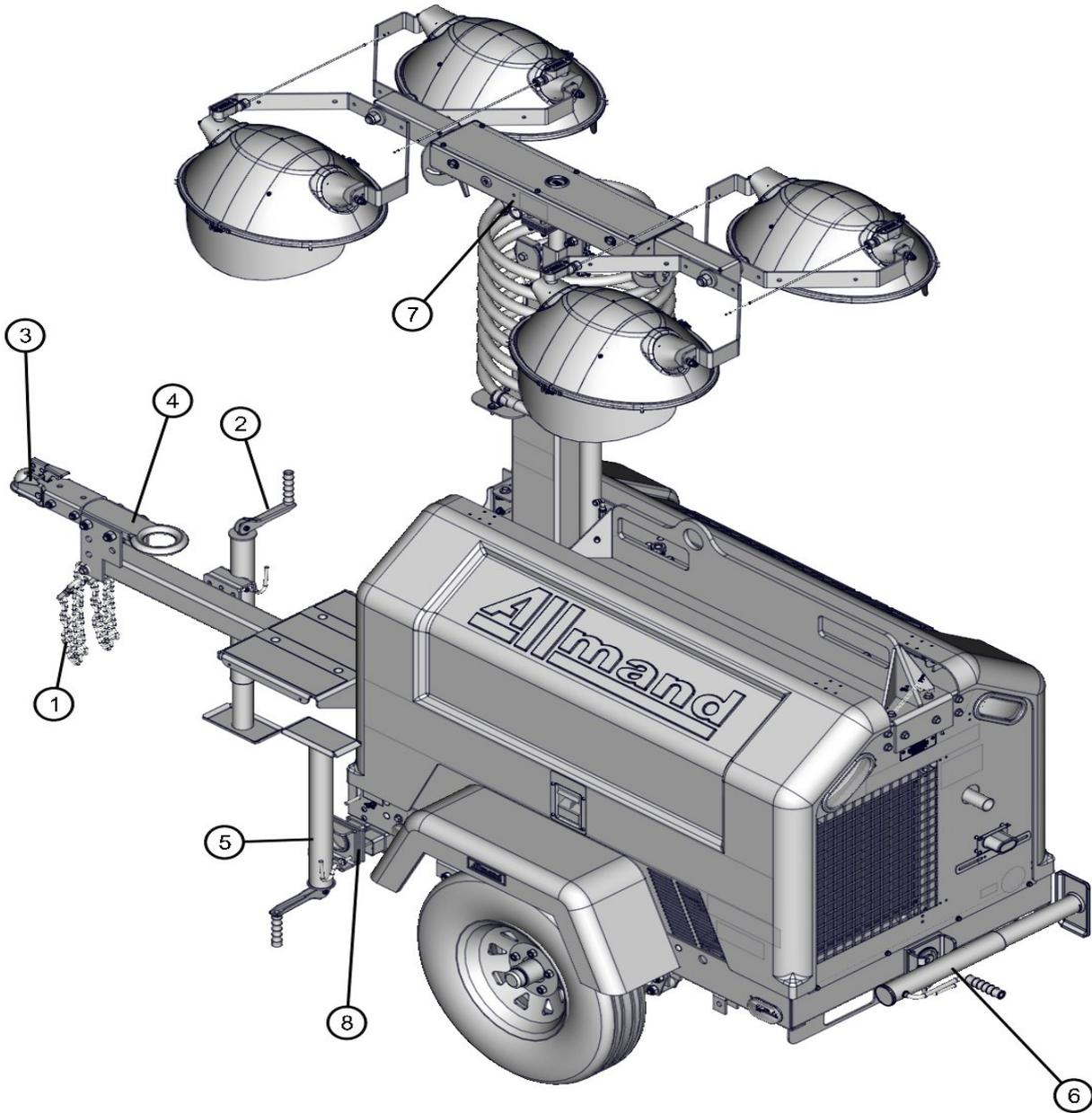


NO	DESCRIPTION
1	TONGUE JACK
2	SAFETY CHAIN
3	LOCKING PIN
4	WINCH HANDLE
5	FRONT STABILIZER
6	REAR STABILIZER

NO	DESCRIPTION
7	OUTRIGGER RETENTION PIN
8	LEFT DOOR & ENGINE ACCESS
9	TOWER WINCH
10	SHO 1000 LAMPHOLDER
11	MANUAL TOWER

GENERAL SERVICE INFORMATION

EQUIPMENT IDENTIFICATION



NO	QTY	PARTNO	DESCRIPTION
1	1	049040	SAFETY CHAIN
2	1	330008	TONGUE JACK
3	1	712021	2" BALL SAE CLASS 2
4	1	712540-15	PINTLE CASTING
5	1	330010	OUTRIGGER STABILIZER
6	1	650235	REAR STABILIZER
7	1	100148	PARK PIN
8	1	102809P	OUTRIGGER

GENERAL SERVICE INFORMATION

MODEL AND SERIAL NUMBERS

Model and serial number information is required for product support and repair parts. The following descriptions show model and serial number locations of the primary components.

Trailer

All **NIGHT LITE PRO II** trailers have a serial number plate (**Figure 3,1**) attached to the rear panel.

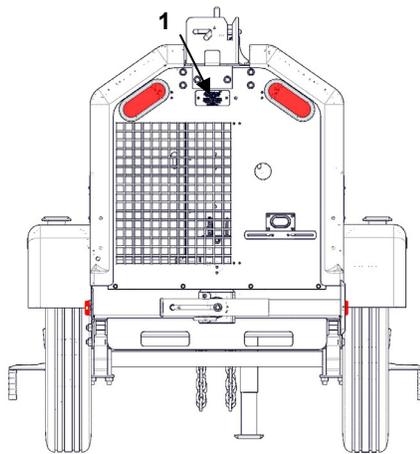


FIGURE 3

Generator

The generator has a serial number plate (**Figure 4, 1**) attached to the side of the housing. The serial number is also stamped into the housing.

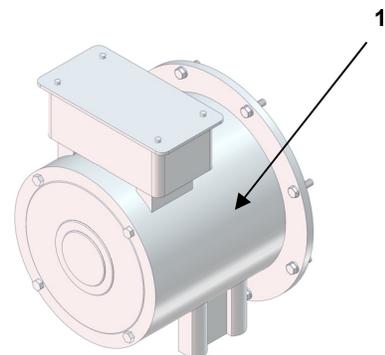
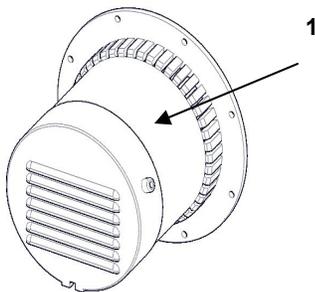
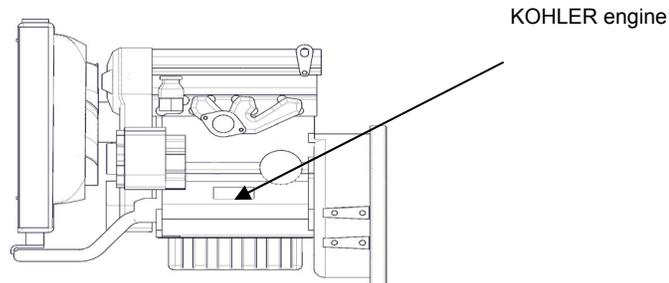


FIGURE 4

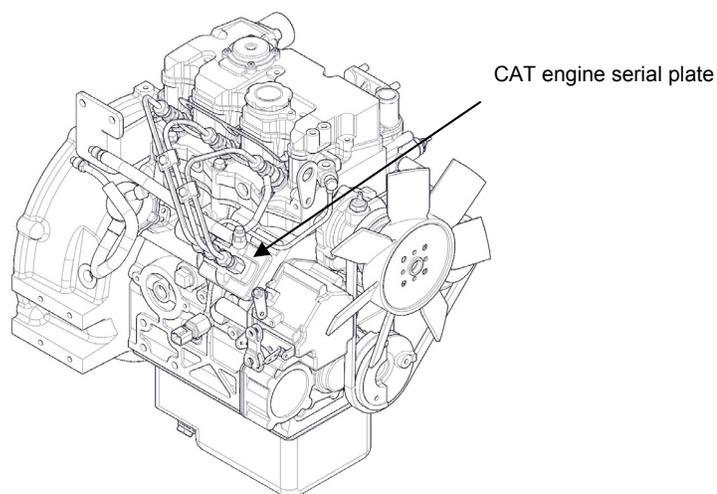
GENERAL SERVICE INFORMATION

Engine

The KOHLER Engine has the serial number plate (**Figure 5**) attached to left side of the engine block by the oil filter



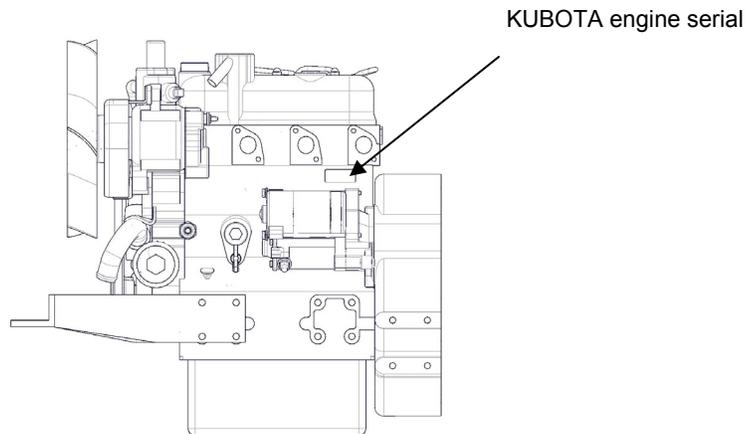
The CATERPILLAR® engine has a serial number plate (**Figure 6**) attached on the upper right side of the engine block above the fuel injection pump.



GENERAL SERVICE INFORMATION

Engine

The KUBOTA engine has the serial number stamped (**Figure 7**) on the engine block just below the exhaust manifold.



GENERAL SERVICE INFORMATION

SPECIFICATIONS (STANDARD AND OPTIONAL FEATURES)

NOTICE: Refer to the Engine or Generator operator's Manual for specific engine or generator specifications.

Trailer

Hitch Coupler	Adjustable height, reversable combination, 2 in. (50 mm) ball, 3 in. (75 mm) pintle hitch
Max. Road Speed (paved road)	50 mph (80 km/h)
Max. Off - road Speed	10 mph (16.1 km/h)
Number of Axles	1
Axle Rating	2000 lbs (907.1 kg)
Tire Size & Rating	13 in. B
Max Tire Pressure	See Tire Manufacture Specification
Door Locks	Standard
Trailer Lights: Stop, Turn and Running	D.O.T. Approved
Trailer Light Connector	4 - Pin Plug
Lifting Eye	Standard
Tie - Down Rings	Standard
Rear Forklift Pockets	Standard
Side Forklift Pockets	Standard
Top Forklift Pockets	Standard
Number of Stablizers	4
Number of Outrigger Stabilizers	2
Tongue Jack	Standard
Ground Rod	Standard

GENERAL SERVICE INFORMATION

Light Tower– Laydown

Sections	3
MANUAL TOWER	Standard
Max Wind Load 65 mph (104.6 kph)	Standard
Light Bar Rotation	360°
Tower Cord Reel	Standard

Light Tower– Vertical

Sections	6
VERTICAL TOWER	OPTIONAL
Max Wind Load 65 mph (104.6 kph)	Standard
Light Bar Rotation	360°

Overall Dimensions - Vertical Tower

Height Light Tower Lowered	7 ft. 5 in. (2.25 m)
Height Light Tower Raised	25 ft. (7.9 m)
Length	9 ft. 4 in. (2.85 m)
Width (outriggers retracted)	4 ft. 3 in. (1.3 m)
Width (outriggers extended)	8 ft. 4 in. (2.54 m)
Dry Weight	1,740 lbs (790 kg)

Overall Dimensions - Laydown Tower

Height Light Tower Lowered	5 ft. 9 in. (1.75 m)
Height Light Tower Raised	30 ft. (9.1 m)
Length with fixtures	14 ft. 7in. (4.45 m)
Width (outriggers retracted)	4 ft. 3 in. (1.3 m)
Width (outriggers extended)	8 ft. 4 in. (2.54 m)
Dry Weight	1,610 lbs (732 kg)

GENERAL SERVICE INFORMATION

60Hz Generators

7.5 kW	Standard
8 kW	Optional
120VAC Convenience Outlet	Standard
125/250VAC Twist - Lock	Optional

50Hz Generators

6 kW	Standard
220VAC SHUCKO OUTLET	Standard
230VAC	Optional

Tower Lights

SHO - HD 1250W Metal Halide (lumen rating: 150,000)	Standard 60Hz
SHO - HD 1000W Metal Halide (lumen rating: 110,000)	Standard 50Hz Optional 60Hz
SHO - HD 1000W and 1250W Metal Halide	Warm - up time: 2-4 minutes
	Re - start time: 10 to 15 minutes
Four Fixtures	Standard (sealed for all weather use)
Light Fixture Weight	15 lbs (6.75 kg)

GENERAL SERVICE INFORMATION

Engine

NL PRO II				
	Optional	Optional	Optional	Standard
Model	KUBOTA D1005	KUBOTA D1105	CAT C1.1	KOHLER KDW 1003
Type	Water Cooled 4 Cycle Diesel			
Bore	2.99 in. (76mm)	3.07 in. (78mm)	3.03in. (77mm)	2.96 in. (75mm)
Stroke	2.90 in. (73.7mm)	3.09 in. (78mm)	3.19 in. (81mm)	3.05 in. (77mm)
Displacement	61.1 cu. in. (1001cc)	68.5 cu. in. (1123 cc)	69 cu. in. (1130cc)	62.6 cu. in. (1028 cc)
Power @1800 RPM 60Hz	13.1hp (9.8kW)	15.4 hp (11.5kW)	13.3 hp (9.9kW)	13.4 hp (12.2 kW)
Power @1500 rpm 50Hz	11.0 hp (8.2kW)	12.7 hp (9.5kW)	11.5 hp (8.6kW)	11.5 hp (8.6 kW)
Power Output derating	3% per 1000ft above 360ft 1% per 10° above 77° F			
Note: Horsepower ratings are established in accordance with Society of Automotive Engineers Small Engine Test Code – J1349 GROSS				
Fuel System	Indirect injected Diesel			
Starting System	12VDC Negative Ground			
Electrical System	12VDC Negative Ground			
Battery Type	Group 24			
Battery Rating	550 CCA			
Number of Batteries	1			
Compression Ratio	22:1	22:1	23:1	22.8:1
Weight	204.3 lb (109Kg)	24.3 lb (109 kg)	191 lb (87kg)	191 lb (87 kg)
Oil Capacity	5.4 qt (5.1L)	5.4 qt (5.1L)	3.6-4.6 qt (3.4-4.4 L)	2.5 qt (2.4L)
Lubrication	Forced Lubrication by Pump			
Oil Filtration	Cartridge Type			
Cooling System	Pressurized radiator forced circulation with water pump			
Low Oil Pressure Shutdown	Standard all Engines			
High engine Temperature Shutdown				
Glow Plug Cold Start Assist				
Fuel	Use a clean NO. 2 diesel fuel oil (SAE J313 JUN87) according to ASTM D795. Do not use alternative fuel, because its quality is unknown or it may be inferior in quality, and kerosene, which is very low in cetane rating, adversely affects the Engine. Refer to the <i>Engine Operator's Manual</i> for more detailed fuel requirements.			
Engine Oil	Use a high- quality engine oil of API (American Petroleum Institute) service class CC/CD/CE. Refer to the <i>Engine Operator's Manual</i> for more detailed engine oil requirements.			
Fuel Tank	30 gal (114 L)			
Cooling Tank	See <i>Engine Operator's Manual</i>			
Engine Oil	See <i>Engine Operator's Manual</i>			

GENERAL SERVICE INFORMATION

OPTIONAL ACCESSORY EQUIPMENT

- Saf - T - Visor
- LSC100 Light Sequence Commander
- Heavy Duty Battery (675 CCA)
- Battery Heating Pad
- Engine Block Heater
- Sound Attenuation package
- 7 - Blade RV Taillight Connector
- Bulldog Hitch (ball/pintle)
- VIN Package (for licensing)
- Quick - Disconnect Lamp Fixtures
- Chalwyn - Emergency Air Shutoff (Caterpillar or Kubota engines only)

OPERATION

Before performing any operation procedures read Safety on page 8.

PRE - OPERATION SETUP

Work Site Safety Considerations

Height

DANGER! *Electrocution Hazard. Always check for overhead wires and obstructions before raising or lowering the light tower. Allow 35 feet (10.6 m) of clearance.*

Ground Surface

WARNING! *Rollover Hazard. Do not set up on an incline of more than 5° front-to-back and side-to-side.*

WARNING! *Rollover Hazard. Do not position or set up on unlevel or unstable ground. Only set up on smooth, flat and solid ground surfaces.*

Wind

WARNING! *Rollover Hazard. Do not operate with the light tower extended in winds exceeding 53mph (85.3 km/h).*

When the light tower is in the operating position it is located in the middle of a three-point outrigger system for optimum balance and stability. This system was engineered to allow the light tower to remain operational in sustained winds of 53 mph (85.3 km/h) with the light tower extended to full height and the outriggers in position.

Pre-Operation Check List

Always perform the following checks before traveling to the work site and before operation. Repair or replace any components as required before operation.

NOTICE: See Appropriate section of the Engine Operator's Manual and Generator Operator's Manual for additional pre-operation checks.

After completing the pre-operation check list, operate the light tower through a complete operation cycle.

- Visually inspect the equipment to ensure that all instructions and decals are in place and legible.
- Inspect the light tower locking bar latch assembly, which locks the light tower in the vertical position, for proper operation.
- Check the hitch assembly and safety chains.
- Check the outriggers and jacks to make sure they operate properly.
- Inspect the light assemblies for damage and test for proper operation.
- Inspect electrical wiring for signs of damage.

WARNING! *Electrocution Hazard. Do not operate the light tower if the insulation on the electrical cord or other electrical wiring is cut or worn, or if bare wires are exposed.*

- 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 engine oil, fuel, engine coolant levels and hydraulic fluid levels, if equipped.
- Check to make sure the *Light Tower Operator's Manual, Engine Operator' Manual and Generator Operator's Manual* are with the equipment.
- Check to make sure the quick reference operation card is with the equipment and properly tethered.

OPERATION

- Physically inspect the machine for damage and repair if necessary.

Leveling and Stabilizing the Trailer

WARNING! ROLLOVER HAZARD. Do not set up on unlevel ground. Only set up on smooth, flat and solid ground surfaces. Always level the light tower trailer before raising the light tower.

The **NIGHT LITE PRO II** must be leveled to 5° or less, front-to-back and side-to-side.

1. Position **NIGHT LITE PRO II** on an adequate site; see *Work Site Safety Considerations* on page 36.
2. Block each wheel on each side with a suitable wheel chock (**Figure 8,1**).

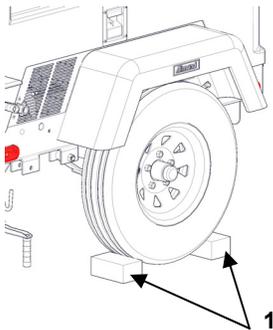


Figure 8

3. Extend the front outrigger stabilizers out and lock in place (**Figure 9**).
4. Rotate each rear stabilizer jack perpendicular with the ground and lock in place.
5. Adjust each rear stabilizer jack and the tongue jack to achieve proper leveling. Turning the handles clockwise will raise the jacks, and counterclockwise will lower the jacks.

WARNING! Rollover Hazard. All stabilizer jacks must be supported by a flat, level solid ground surface.

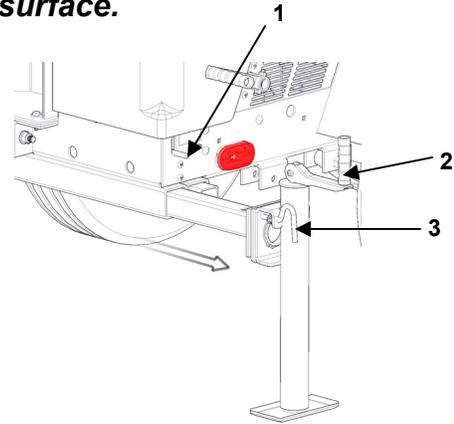


Figure 9

1. **Outrigger Lock Pin** - Locks outrigger in position.
2. **Jack Handle (front)** - Used to raise or lower outrigger jack.
3. **Jack Pin** - Locks jack in position to prevent jack from rotating.

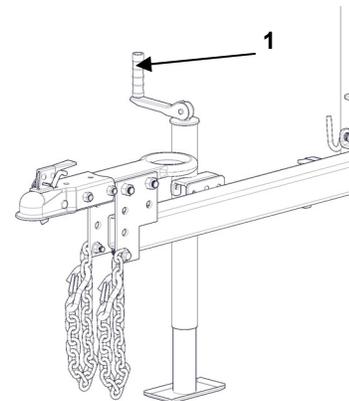


Figure 10

1. **Tongue Jack Handle** - Used to raise or lower tongue jack.

OPERATION

Installing the Ground rod

The 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.

Drive the ground rod fully into the ground using a hammer. Attach the supplied cable to the rod and then attach the cable to the ground lug on the unit. Make sure the cable connections are tightened.

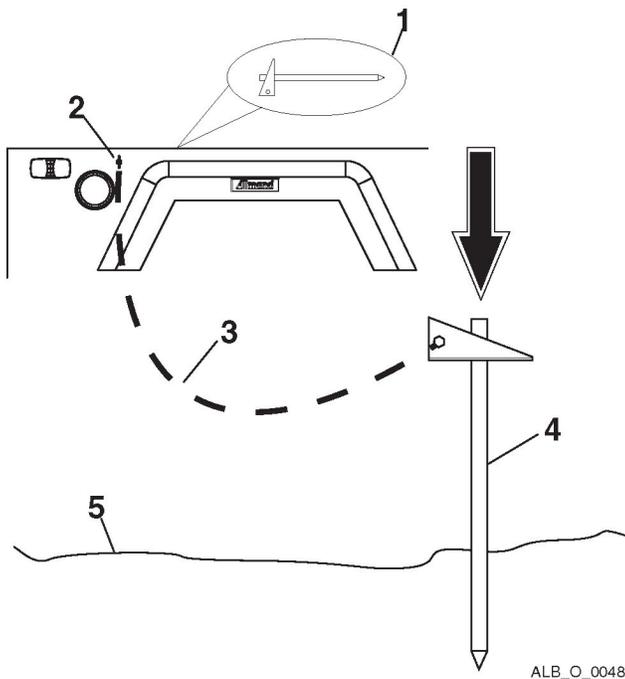


Figure 11

- 1 –Ground Rod Storage Location (inside left panel)
- 2 –Ground Rod Connection Stud and Wingnut
- 3 –Ground Rod Wire
- 4 –Ground Rod
- 5 –Earth / Ground

ENGINE OPERATION

Before starting the engine or operating the light tower, review *Safety on page 8*.

The Allmand **NIGHT LITE PRO II** Series light towers are powered by a diesel engine and generator unit.

Pre - Start Checks

1. Check the engine oil and add oil if required. Fill the engine with the proper grade of lubricating oil; refer to the *Engine Operator's Manual* for oil specifications.
2. Check and add diesel fuel as required.
3. Ensure that the air cleaner is firmly attached and air cleaner seals and hose clamps are properly sealed. Air cleaner element should be checked and replaced if necessary.

OPERATION

Engine Control Panels

The engine control panel consist of the engine start/stop key and hour meter.

CAT Control Panel

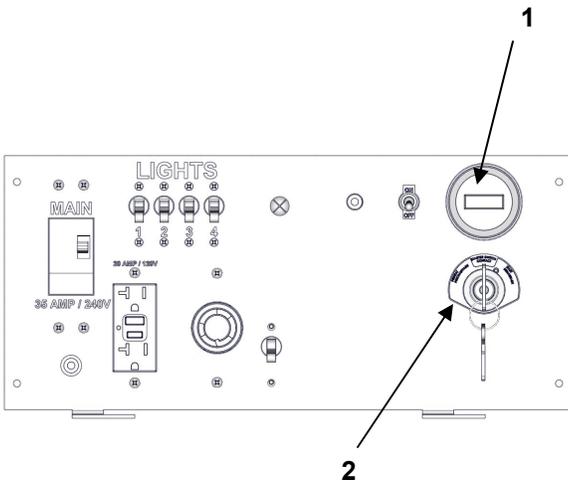


Figure 12

1. Hour Meter - Shows the Total elapsed hours of engine operation.
2. Key Switch (Key start models only).

KOHLER Control Panel

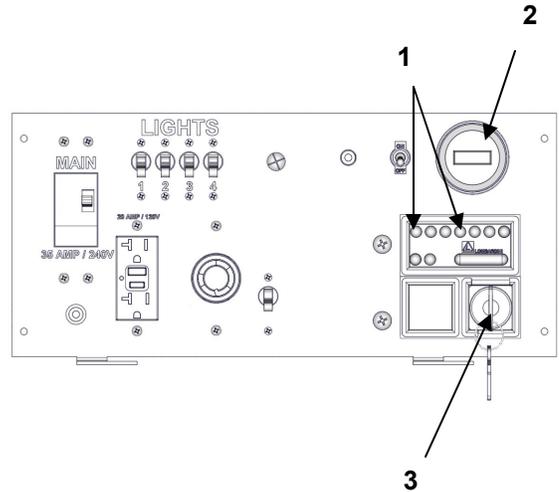


Figure 13

1. Engine Warning Indicator Lights.
2. Hour Meter - Shows the total elapsed hours of engine operation.
3. Key Switch.

OPERATION

KUBOTA Control Panel

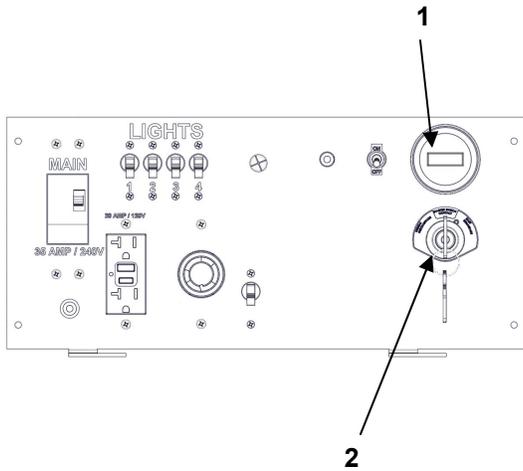


Figure 14

1. Hour Meter - Shows the total elapsed hours of engine operation.
2. Key Switch.

KUBOTA Deep Sea Control Panel (OPTION)

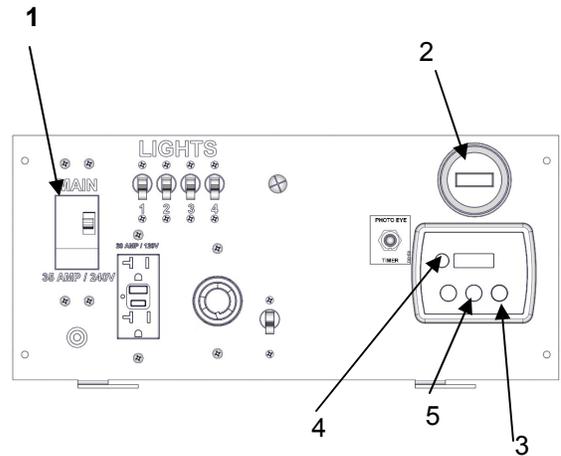


Figure 15

1. Main Panel ON/OFF Switch.
2. Hour Meter - Shows the total elapsed hours of engine operation.
3. Start Button.
4. Engine Warning Indicator Lights.
5. Glow Plug Indicator.

OPERATION

Starting the Engine

The Starting procedure is different Depending on the engine model used. Refer to your *Engine Operator's Manual* for the starting procedure.

Cold - Weather Starting

The cold - weather Starting procedure is different Depending on the engine model used. Refer to your *Engine Operator's Manual* for the cold - starting procedure.

If Engine has Run Out of Fuel

1. Refill the fuel tank.
2. Refer to your *Engine Operator's Manual* for the starting procedure.

Notice: Do not operate starter for more than 10 seconds without allowing 30 seconds to pass between starting attempts. Possible starter damage could result from excessive heat caused by cranking too long.

Notice: If the engine develops sufficient speed to disengage the starter but does not keep running (a false start), the engine rotation must be allowed to come to a complete stop before attempting to restart the engine.

If starter is engaged while the flywheels rotating, the starter pinion and flywheel ring gear may clash, resulting in damage to the starter or flywheel ring gear.

Stopping the Engine

The engine stopping procedure may differ depending on the engine model. Refer to your *Engine Operator's Manual* for engine stopping procedures.

Automatic Engine shutdown System

The engine is equipped with an automatic engine shutdown system to prevent excessive engine damage in the event of a low oil or overheat condition. For additional information, refer to your *Engine Operator's Manual*.

Low Oil Pressure Shutoff

Should a low oil pressure condition occur, the oil 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

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.

VERTICAL TOWER LIGHT OPERATION

Before operating the tower lights, review *Safety* on page 8-16.

The vertical light tower is raised and lowered by a hydraulic pump actuating a 6-section telescoping mast.

WARNING! Rollover hazard. Before raising, lowering or operating the tower lights, the trailer must be set up, properly leveled and stabilized, and ground rod installed: see Pre-Operation Setup section on page 19.

WARNING! Crush Hazard. Allow adequate clearance around and above trailer when raising or lowering the light tower. Ensure that there are no obstructions or persons near the light tower when raising or lowering the light tower.

OPERATION

LAYDOWN TOWER LIGHT OPERATION

Before operating the tower lights, review *Safety* on page 8-16.

The laydown light tower is raised and lowered by a manual winch actuating a 3-section telescoping mast.

WARNING! Rollover hazard. Before raising, lowering or operating the tower lights, the trailer must be set up, properly leveled and stabilized, and ground rod installed: see Pre-Operation Setup section on page 19.

WARNING! Crush Hazard. Allow adequate clearance around and above trailer when raising or lowering the light tower. Ensure that there are no obstructions or persons near the light tower when raising or lowering the light tower.

Light Bar and Light Fixture Adjustment (Manual Laydown)

Lights - Work Site Adjustment

The light fixtures must be adjusted to the desired work angle before raising the tower.

With the light tower fully lowered and the lights off, the light fixtures can be manually rotated into the desired working position.

To adjust each light fixture, manually swivel each light fixture at its base into the desired working position. **(Figure 17).**

1 - Grasp light fixture here to adjust.

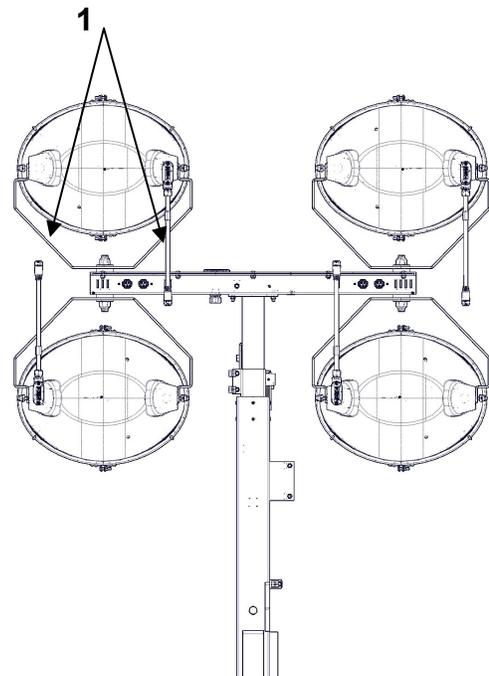


Figure 17

Lights - Trailering storage

The light bar and light fixtures must be stowed properly for trailering or transporting. See *Tower Lights - Stowage for Trailering* on page 19.

OPERATION

Light Bar and Light Fixture Adjustment (Vertical Tower)

Lights - Work Site Adjustment

The light bar and light fixtures must be adjusted to the desired work angle before raising the light tower.

With the light tower fully lowered and the lights off, the light bar assembly and light fixtures can be manually rotated into the desired working position.

To adjust the light bar, release the light bar park pin (**figure 16, 1**) by pulling the ring and turning it 90 degrees so that the pin remains in the retracted position.

With the light bar park pin released, the light bar is designed to be manually rotated with enough resistance so that the bar will stay in the desired position once the operator has directed the lights on the work zone.

If the light bar rotates too easily or does not stay in position, remove the cap plug from the center of the light bar cover and tighten the nut to achieve the desired resistance and replace the cap plug.

To adjust each light fixture, manually swivel each light fixture at its base into the desired working position (**Figure 17**).

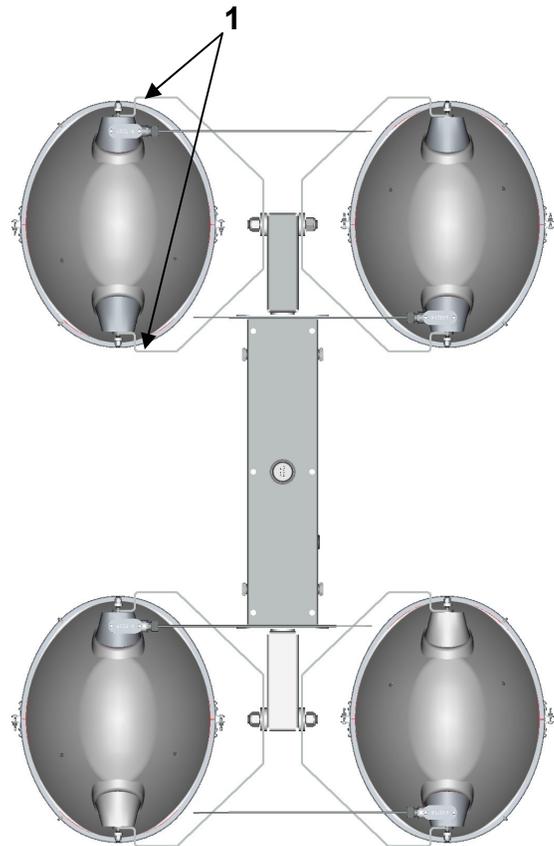
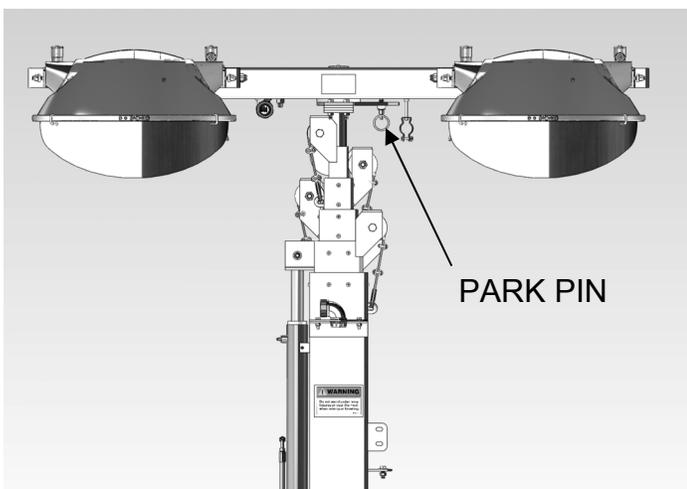


Figure 17

1 - grasp light fixture here to adjust

Lights - Trailering storage

The light bar and light fixtures must be stowed properly for trailering or transporting. See *Tower Lights - Stowage for Trailering* on page 20.



OPERATION

RAISING MANUAL WINCH MAST, RAISING AND LOWERING LIGHTS

Manual Winch Light Tower

NOTE; The manual winch tower 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 to the vertical position and back. The second winch mounted on the tower extends and retracts the telescopic sections.

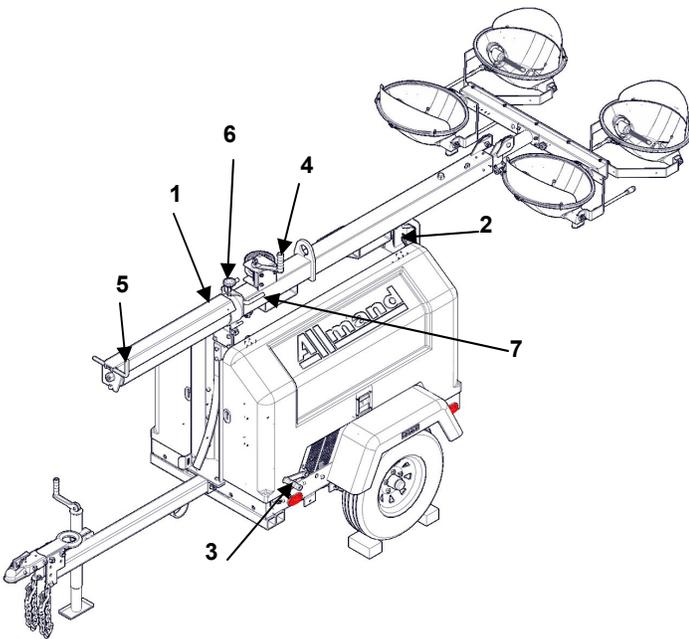


Figure 18a

1. Manual Winch Tower.
2. Rear Support Release Pin - locks tower in position for towing, trailering or lifting.
3. Lower Hand Crank Winch - raising and lowering mast.
4. Upper hand Crank Winch - raising and lowering lights.
5. Mast Locking Pin - locks mast in vertical position.
6. Mast Rotation Locking Knob - locks mast in desired position.
7. Handles - used to turn tower to desired position.

Raising

1. Before raising the light tower, adjust the tower lights to the desired work position; see *Light Bar and Light Fixture Adjustment* on page 41-42.
2. Turn the lights off; see *Light Control Panel* on page 46.
3. Release the pin that secures the mast to the rear mast support.
4. Operate the hand crank on the right side of the trailer to raise the mast from horizontal to vertical.
5. Engage automatic spring lock..
6. Operate the hand crank winch on the tower clockwise to raise the lights vertically.
7. To rotate lights, turn upper black knob counterclockwise and turn the tower with handles provided.

Lowering

1. Turn lights off; see *Light Control Panel* on page 46.
2. Loosen upper black knob and rotate tower until handles are parallel with the front of the trailer and retighten knob.
3. Operate upper hand crank winch counterclockwise to lower the lights to the lowest vertical position.
4. Operate lower hand crank winch on side of trailer clockwise to take up any slack in the cable.
5. Disengage automatic spring lock.
6. Operate the lower hand crank on the side of the trailer counterclockwise to lower the mast into the horizontal towing position.
7. Secure light cords into hook on the rear tower support.
8. Secure rear support release pin, locking mast to rear tower support for towing.

OPERATION

Raising and Lowering the Hydraulic Light Tower

Light Tower

Note: The Hydraulic actuated light tower uses 12VDC battery power to operate. The light tower may be raised and lowered as needed without the engine running.

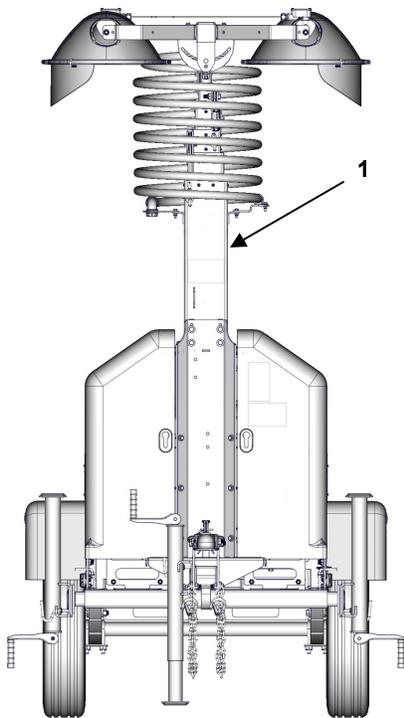


Figure 18

1. Six Section Light Tower

Raising

NOTICE: Before raising light tower, visually inspect equipment for damage or wear and repair or replace components as required. Never operate the light tower with damaged or malfunctioning components.

1. Before raising the light tower, adjust the tower lights to the desired work position; see *Light Bar and Light Fixture Adjustment* on page 42.
2. If required, start engine. Refer to your *Engine Operator's Manual* for starting procedure.
3. Turn the lights off; see *Light Control Panel* on page 45.
4. Press the light tower hydraulic lift switch up to raise the light tower to the desired height.

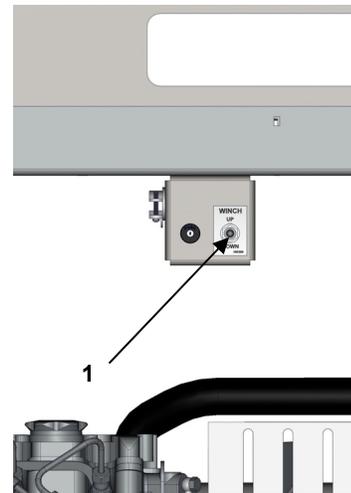


Figure 19

1. Light Tower Hydraulic Lift Switch.

Lowering

1. If required, start engine. Refer to your *Engine Operator's Manual* for starting procedure.
2. Turn the lights off; see *Light Control Panel* on page 45.
3. Press the tower light hydraulic lift Switch down to lower the light tower to the desired height or to the full DOWN position.
4. When tower reaches the bottom, run switch for 3 additional seconds to ensure that the tower is at its lowest possible position.

OPERATION

Light Control Panel

The tower light control panel contains the breaker switches.

The four light fixtures are controlled and protected by four breaker switches located on the light control panel.

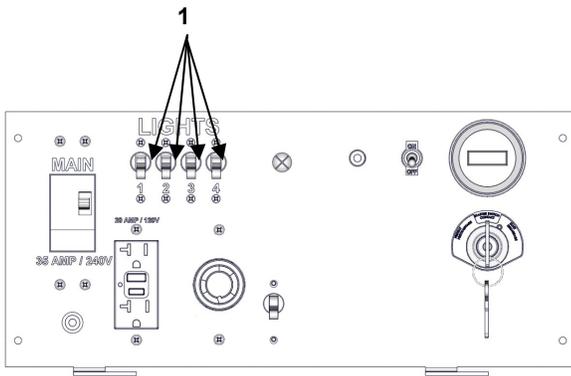


Figure 20

1. Light Breaker Switches.

Lights On

Before turning the lights on, the engine must be running and should be allowed to reach normal operating temperature.

Turn one or more light breaker switches to the ON position.

Lights Off

Turn all light breaker switches to the OFF position.

SHUTDOWN PROCEDURE

Shutdown - Short period

When shutting down the light tower for a short period, perform the following procedures.

1. With the lights off, lower the light tower to the full DOWN position; see *Raising and Lowering the Light Tower* on page 43-44.
2. Turn the engine off. Refer to your *Engine Operator's Manual* for stopping procedure.

Shutdown - Long - Term or Prepare for Trailering

When shutting down the light tower for long periods of time or when preparing to trailer; see *Long - Term Storage* section on page 52 or *Shutdown - Prepare for Trailering* section on page 18.

AUXILIARY AC OUTLET OPERATION

Depending on model options, the 240VAC 1 - phase control panel is equipped with one 240VAC outlet and one 110VAC GFCI outlet for powering accessories from the generator. Power is supplied to the outlets only when the engine / generator is running and the main circuit breaker is in the ON position.

The 240VAC outlet is protected by a 30A circuit breaker.

The 110VAC GFCI outlet is protected by a 20A push button type circuit breaker.

The main circuit breaker is a 35A DPST circuit breaker.

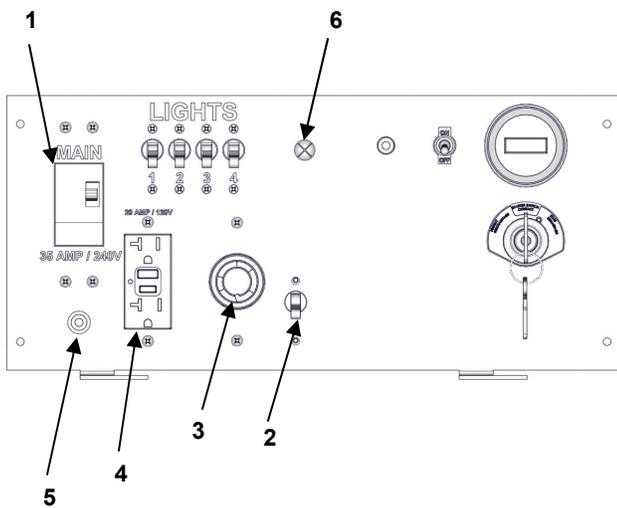
If any of the outlet circuit breakers trip, switch off the lights, remove the load to the outlets and wait 10 minutes for the bulbs to cool before turning them back on.

1. Disconnect the load from the outlet.

OPERATION

2. Turn off the tower lights (if used).
3. Correct the excessive load problem and wait 10 minutes, to allow the generator to cool down before reconnecting the load.

Outlet Panel (240VAC 1 - Phase)



1. Main Outlet Panel 35A Circuit Breaker.
2. 30A Circuit Breaker - for 250VAC Outlet.
3. 250VAC Outlet.
4. 110VAC GFCI Outlet.
5. 20A Circuit Breaker (Push Button).
6. Grounding Lug - Connection to the Ground Rod Lead.

MAINTENANCE

Before performing any maintenance procedures, read Safety on page 8.

Scheduled maintenance prevents unexpected downtime, reduces the number of accidents due to poor equipment performance and helps extend the life of the light tower.

Proper maintenance and care of your light tower and trailer is a must for safe and reliable operation. Use the following maintenance and care guidelines in addition to those scheduled by your shop equipment maintenance schedule.

Where equipment is operated under severe conditions (very dusty, extreme heat or cold, etc.), affected items should be serviced more frequently.

ENGINE

Refer to the *Engine Operator's Manual* for all engine scheduled maintenance procedures.

Changing and Adding Engine Oil

Use a high - quality engine oil of API (American Petroleum Institute) service class CC/CD/CE. Refer to the *Engine Operator's Manual* for detailed engine oil specifications and service procedures.

All models are equipped with remote oil drains.

Engine Filters

Refer to the *Engine Operator's Manual* for air, oil and fuel filter service procedures.

ELECTRICAL SYSTEM

Refer to the Generator Operator's Manual for all generator schedule maintenance procedures.

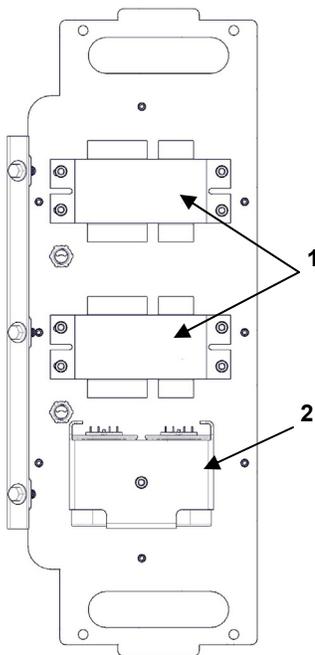
Ballast Panel

The ballast panels are located on the front of the light tower trailer. The ballast panels can be accessed by opening the doors and removing the ballast covers. The ballast panels contain two tower light lamp ballast and capacitors each. For additional wiring information, see *4 Light Ballast pages 63-67*.

MAINTENANCE

The Safety messages that follow have **WARNING** level **Electrocution Hazards**.

- **Only qualified electricians should service or perform replacement procedures. Ballast and capacitors are capable of discharging high voltage. Always use appropriate personal safety clothing and gear when servicing electrical components.**
- **High voltage is present when engine is running. Never attempt to service electrical components while engine is running.**
- **Do not operate the light tower if the insulation on the electrical wiring is cut or worn, or if bare wires are exposed. Repair or replace damaged wiring before starting the engine.**



1. Lamp Ballast
2. Capacitors

HYDRAULIC PUMP

Hydraulic Oil Specifications

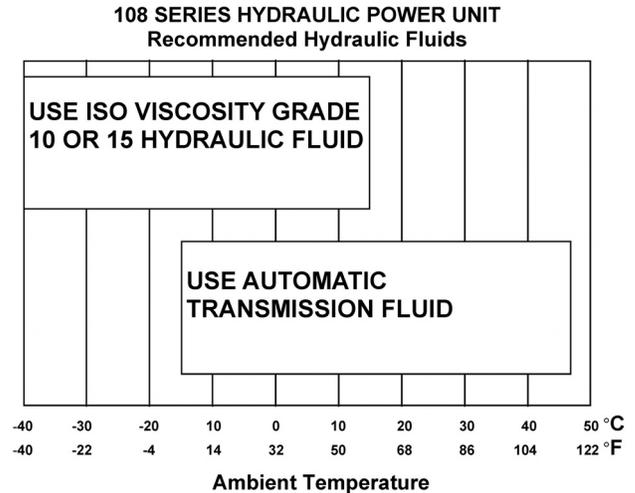


Figure 31

Adding Hydraulic Oil

Fill the reservoir with aviation hydraulic fluid or any clean hydraulic fluid having a viscosity index that is suitable for the climate conditions in which the unit will be operated. Standard units are supplied with automatic transmission fluid (ATF), and arctic units are supplied with aviation hydraulic fluid (see Figure 31).

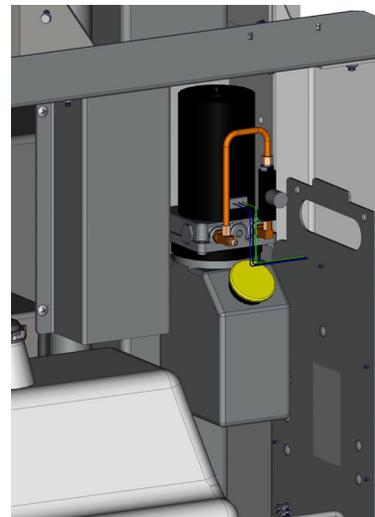


Figure32

MAINTENANCE

Priming the Hydraulic Pump

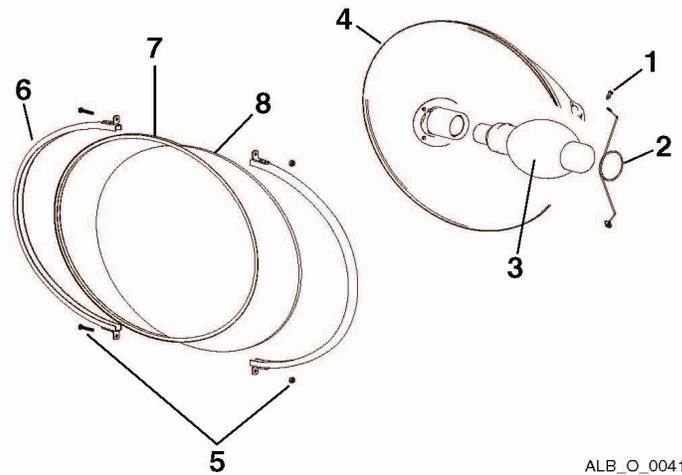
The ports are marked on the casting: 'UP' and 'DN.' When facing the power unit with the motor up, plug the right-hand, or 'DN' port. Jog the motor until oil flows from the left-hand, or 'UP' port. If oil does not flow from the 'UP' port, reverse the wire leads on the motor, and repeat. The pump is now primed. Connect the hose (or tubing) to the 'UP' port and tighten. Connect the other hose end to the blind end of a fully retracted hydraulic cylinder. With the hose fitting loose, operate the power unit until oil (and no air) bleeds from the fitting. Tighten the fitting. Refill the reservoir.

LIGHT TOWER AND LAMPS

Changing Lamps

WARNING! Burn Hazard. The light bulbs and the fixtures become extremely hot during use. Allow the bulbs and fixtures to sufficiently cool down before changing bulbs or severe burns may result.

1. Turn off the lights and shut off the engine. Allow the bulbs and fixtures to cool.
2. Lower the light tower to full DOWN.
3. Loosen the lens channel screws (**Figure 33, 5**) to allow the removal of the lens channel (**Figure 33, 6**).



ALB_O_0041

Figure 33

- 1 –Support Clip Screws (2)
- 2 –Support Clip
- 3 –Lamp
- 4 –Reflector
- 5 –Lens Channel Screws and Nuts (2 each)
- 6 –Lens Channel
- 7 –Silicone Gasket
- 8 –Lens

4. Remove the silicone gasket (**Figure 33, 7**) and lens (**Figure 33, 8**).
5. Remove the support clip screws (**Figure 33, 1**) and support clip (**Figure 33, 2**).
6. Carefully remove the old lamp (**Figure 33, 3**) and install the correct replacement lamp.
7. Clean the reflector (**Figure 33, 4**) and lens.
8. Install the support clip and screws.
9. Install the silicone gasket and lens; replace if damaged or needed.
10. Install the lens channel and screws.
11. Test the new lamp to ensure proper operation.

MAINTENANCE

Trailer

Proper maintenance and care of your trailer is a must for safe and reliable operation. Follow these maintenance and care guidelines in addition to those scheduled by your shop equipment maintenance schedule.

Frame

1. Check the coupler operation and for corrosion or damage; replace as needed.
2. Inspect the lifting bar for corrosion or damage; replace as needed.
3. Inspect the trailer frame and body panels for rust, nicks and chips. Use the proper touch-up paint to touch up nicks or scratches. Contact your dealer for additional information.
4. Inspect the axle, springs and undercarriage for wear and damage; replace as needed.
5. Inspect the outrigger bars, front and rear stabilizer jacks and locking mechanisms for proper operation, wear and damage; replace as needed.
6. Inspect the safety chains for wear and corrosion damage; replace as needed

Grease Points

Use N.G.L.I. consistency #2 high- temperature anti-friction bearing lubricating grease for all trailer mechanical pivot points.

Trailer Wheels and Tires

Warning! Towing Hazard. Never tow the trailer with damaged tires, rims or lug nuts.

1. Check the tires for any cracks, cuts or damage. Repair or replace the damaged tires before towing.

MAINTENANCE

2. Check the air pressure of the trailer tires when cold. The correct air pressure for the tire is specified on the tire. Never over- or under-inflate tires.
3. Check the wheel rims for any cracks or damage.
4. Make sure all the lug nuts are in place. Never tow the trailer with missing or improperly tightened lug nuts.
5. Check that the lug nuts are tightened properly. The correct torque for the lug nuts is 90 lb-ft (122 N-m).
6. When torquing lug nuts, always use a criss-cross pattern (**Figure 35**).

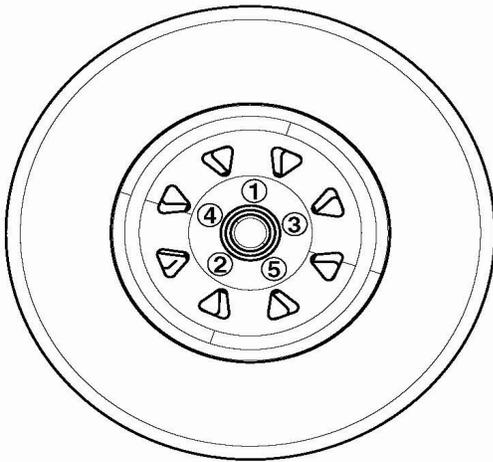
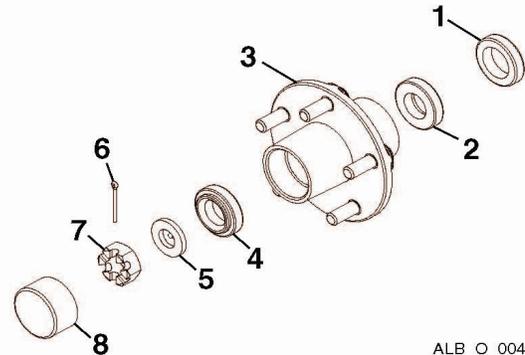


Figure 35

ALB_O_0042

Wheel Bearings

Typical Wheel Hub Bearing Assembly



ALB_O_0047

Figure 36

- 1 –Hub Grease Seal
- 2 –Inner Hub Wheel Bearing
- 3 –Wheel Hub
- 4 –Outer Hub Wheel Bearing
- 5 –Washer
- 6 –Cotter Pin
- 7 –Castle Nut
- 8 –Dust Cover

Wheel bearings require periodic maintenance and scheduled replacement; more frequent service may be required under extremely dusty or damp operating conditions. The best protection against failure is to keep the wheel bearings clean and fully lubricated.

When replacing or repacking wheel bearings, always:

- Use a high-quality wheel bearing grease.
- Avoid mixing grease types.
- Clean all components thoroughly of all grease and inspect for damage and wear; replace as needed.
- Always use a new grease seal and cotter pin.
- Keep all components clean during assembly.

MAINTENANCE

- Replace any component that is operationally questionable.
- Always replace bearings and races as a set. Never mix bearings and races. Bearing part numbers are sometimes found on the bearing races; always use the correct bearing set.
- Pack grease into the bearing before installing it.
- Do not over- or under-tighten the bearing nut. Wheel bearings should only be tightened by hand (spin the wheel while tightening). Back off the nut to insert the cotter pin. The wheel should spin freely but without play.
- Pack some grease in the inner hub area and dust cap and ensure the dust cap fits tightly.

Trailer Lighting

WARNING! Towing Hazard. Never tow the trailer with inoperable trailer lights.

Lights are a vital safety feature of your trailer and are also required by state law. Keep the lights in proper working order.

- Check the trailer lights and harness for damage or wear; repair or replace as needed.
- Ensure the harness is secured to the trailer and does not hang down onto the ground.
- Check the taillight housing assemblies for damage or leaks. Use silicone or rubber sealant to seal the lens or harness, as required, or replace the housing assembly. Electrical grease will help protect the sockets and prevent their corrosion.
- When replacing bulbs, ensure the proper bulb is used and use a small amount of electrical grease in the sockets to prevent corrosion.

For trailer light wiring schematic information, see *Taillamp Wiring on page 53*.

LONG-TERM STORAGE

Proper maintenance is required when the light tower and trailer will be stored or removed from operation for long periods of time.

Refer to the *Engine Operator's Manual* and the *Generator Operator's Manual* for all engine and generator long-term storage procedures.

1. Lower the light tower to the full DOWN position.
2. Make any repairs necessary to ensure the equipment is fully functional upon recommissioning.
3. Clean and wash the frame and body panels. Apply an anticorrosion coating to all surfaces where applicable.
4. Clean any oil or liquid spills inside the engine compartment.
5. Clean all electrical wiring and components by hand using a non-corrosive cleaner.
6. Clean the light tower and light fixture assemblies.
7. Disconnect and remove the battery.
8. Use a suitable cover to protect the light tower and trailer.
9. Properly support the trailer axle on jack stands or other suitable supports to allow the tires to remain off the ground during storage.

MAINTENANCE

CLEANING

Keeping the light tower clean is important to ensure proper operation. Dirt and dust buildup acts as an insulator and may cause the engine, generator and light assemblies to operate at excessively high temperatures.

Use the following as cleaning guidelines:

- Use caution when using compressed air or water / steam pressure washers. Do not pressure - clean electrical components, as this may damage electrical components.
- Clean the light tower and remove all dust dirt or other foreign material.
- Inspect and clean the cooling air intake and exhaust louvers of the enclosure. Make sure they are clean. Remove dirt or any buildup that may restrict the cooling air flow.
- Clean the light tower and its components with a damp cloth or sponge.
- Inspect and clean all engine linkages so they operate properly.

Cleaning and Draining the Trailer bilge

Allmand **NIGHT LITE PRO II** light towers may contain a sealed bilge designed to catch fuel, oil or coolant spills. Should a spill occur, position a suitable container beneath the unit and remove the bilge drain plug. After the fluid has been drained, reinstall the drain plug and dispose of the fluid properly in accordance with EPA or other governmental guidelines.

TROUBLESHOOTING

Before performing any troubleshooting procedures, read the following safety messages and read *Safety on page 8*.

For engine and generator troubleshooting, see the *Engine Operator's Manual* and *Generator Operator's Manual* or contact your dealer.

The safety messages that follow have WARNING level Electrocution Hazards.

- **Only qualified, licensed electricians should service or perform replacement procedures. Ballast and capacitors are capable of discharging high voltage. Always use appropriate personal safety clothing and gear when servicing electrical components.**

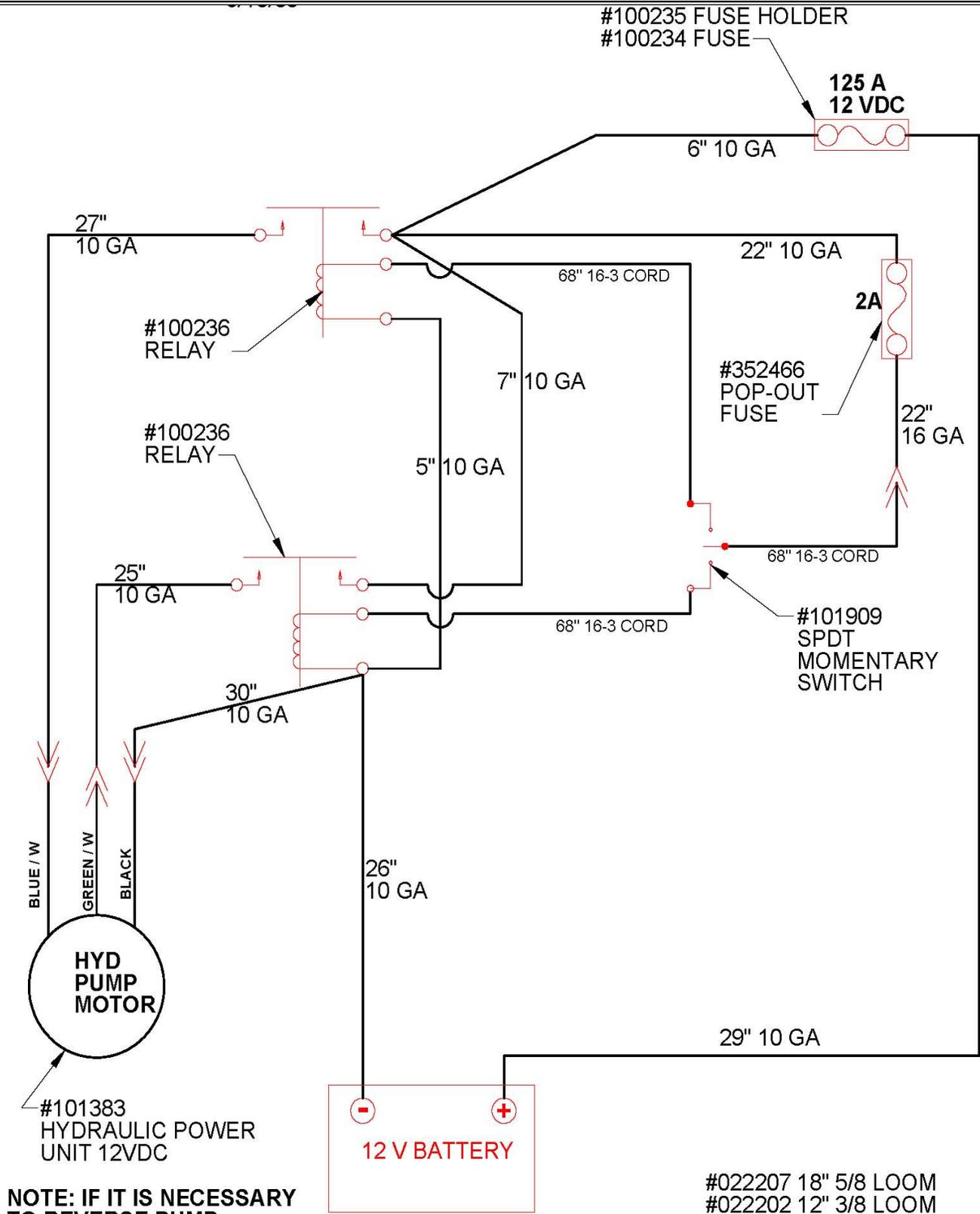
- **High voltage is present when engine is running. Never attempt to service electrical components while engine is running.**
- **Do not operate the light tower if the insulation on the electrical wiring is cut or worn, or if bare wires are exposed. Repair or replace damaged wiring before starting the engine.**

Always follow the electrical component manufacturer specifications for voltage and test procedures.

TROUBLESHOOTING CHART

PROBLEM	POSSIBLE CAUSE
NO LIGHT (ONE OR MORE LIGHTS)	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°F (-29°C). The efficiency of the capacitors in the ballast is not enough to ignite the lamps. For operations where the temperature of the ballast falls below -20°F (-29°C), 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.

HYDRAULIC PUMP

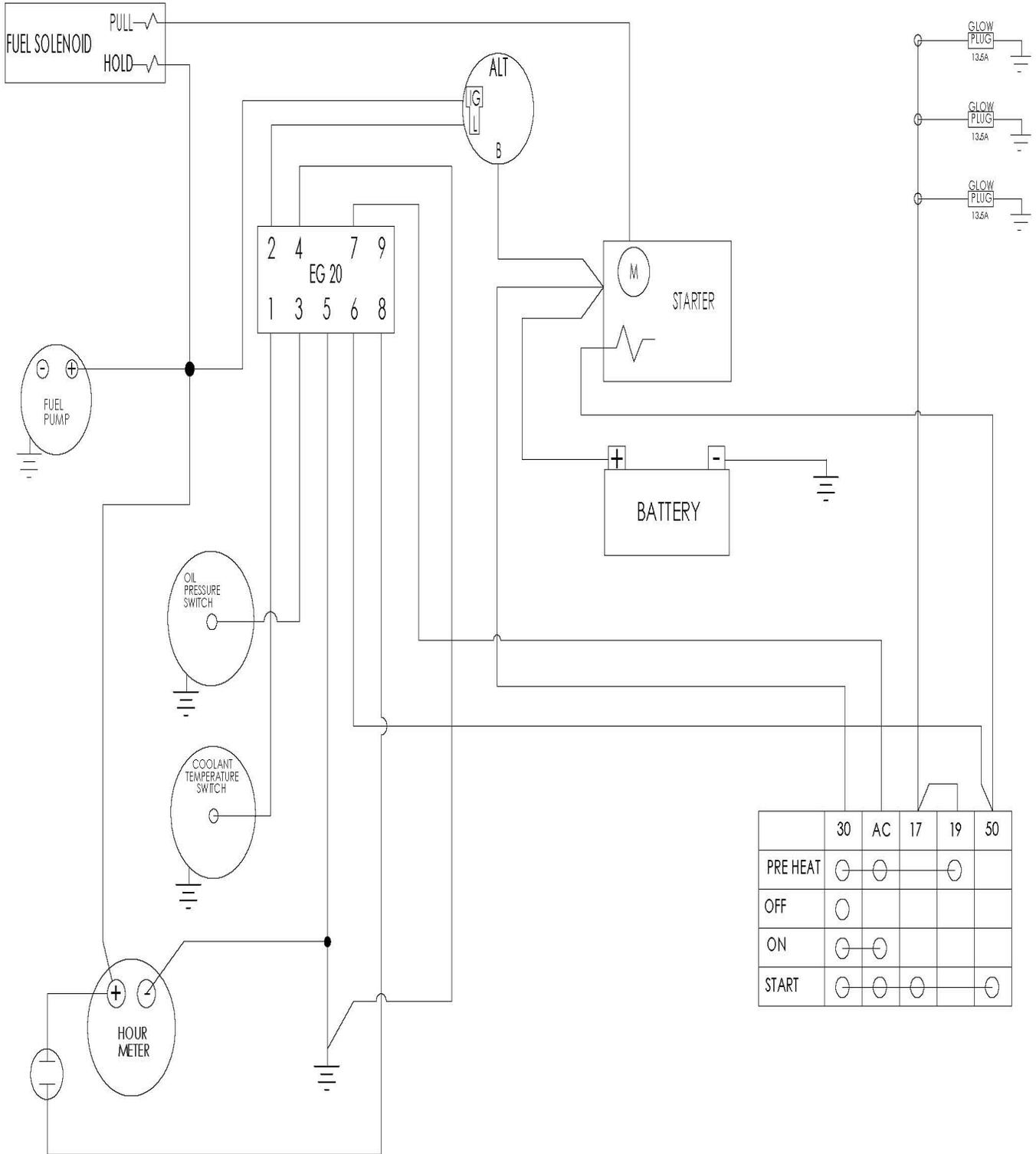


NOTE: IF IT IS NECESSARY TO REVERSE PUMP DIRECTION, SWITCH BLUE/W & GREEN/W WIRES FROM PUMP MTR.

COMPONENTS

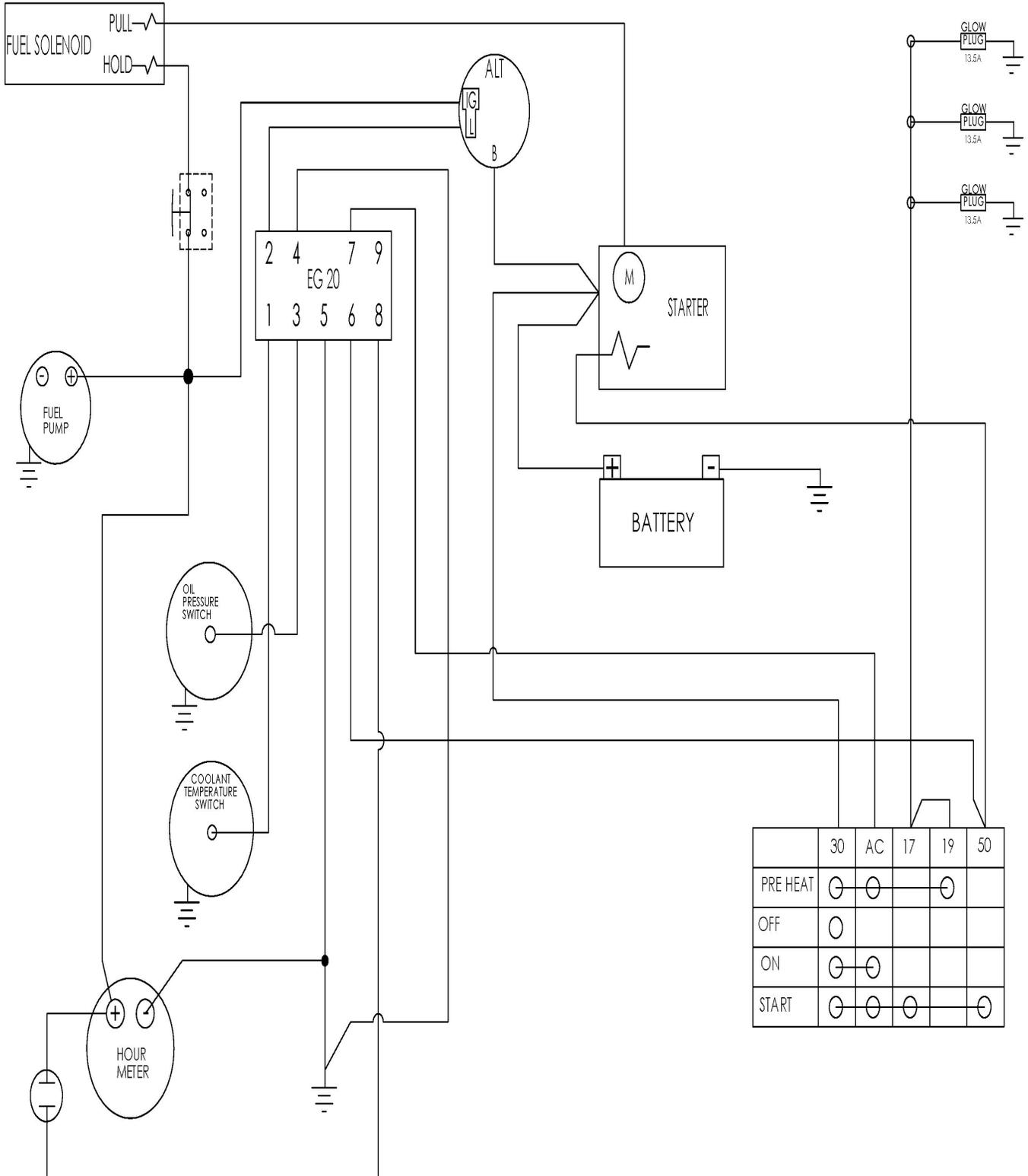
KUBOTA KEYED SWITCH

ALLMAND 1105 WIRING SCHEMATIC
 WITH KUBOTA TIMER MODULE
 LAST UPDATED 01/06/11

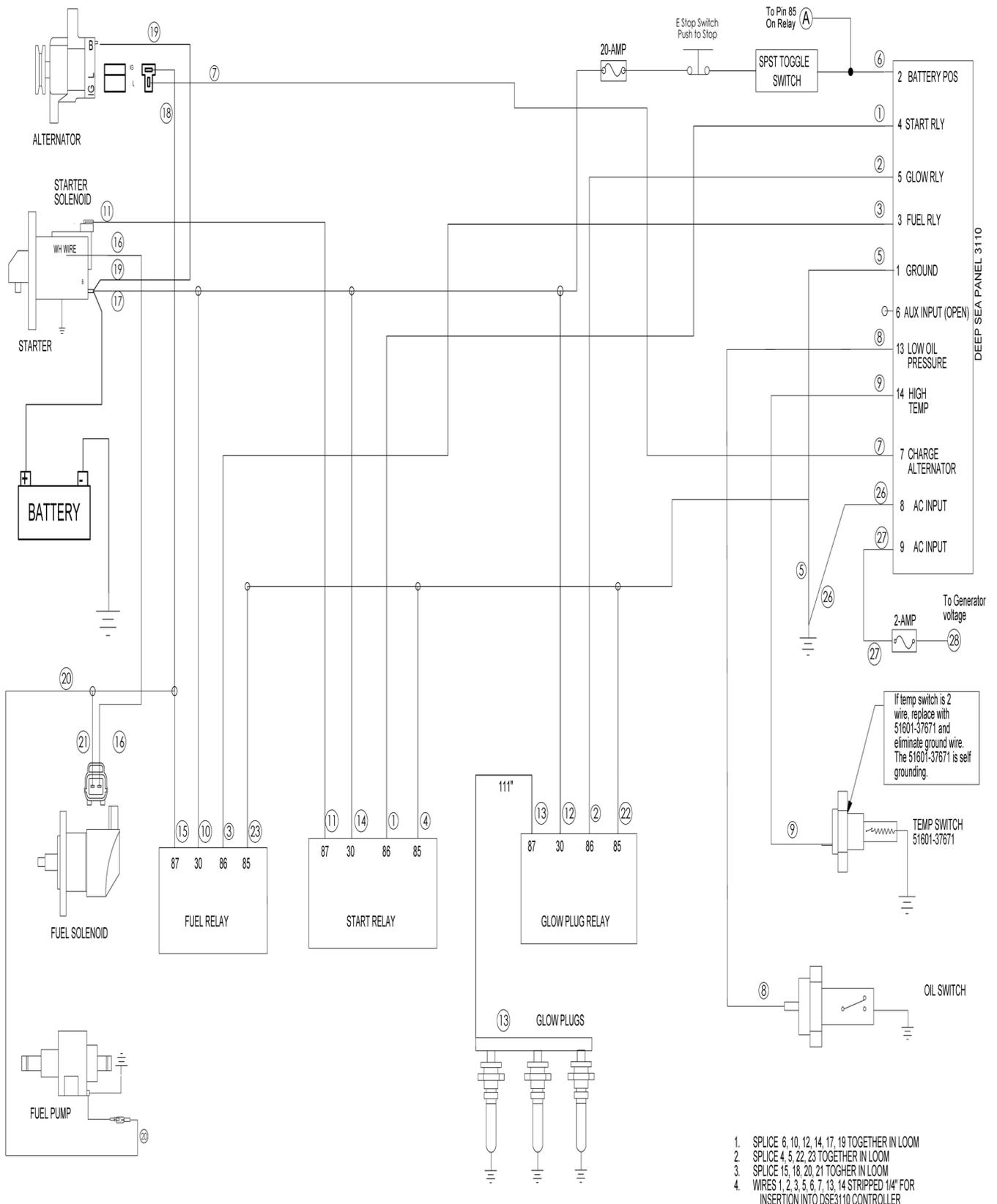


KUBOTA KEYED SWITCH W/ E-STOP

ALLMAND 1105 WIRING SCHEMATIC
 WITH KUBOTA TIMER MODULE
 LAST UPDATED 01/06/11



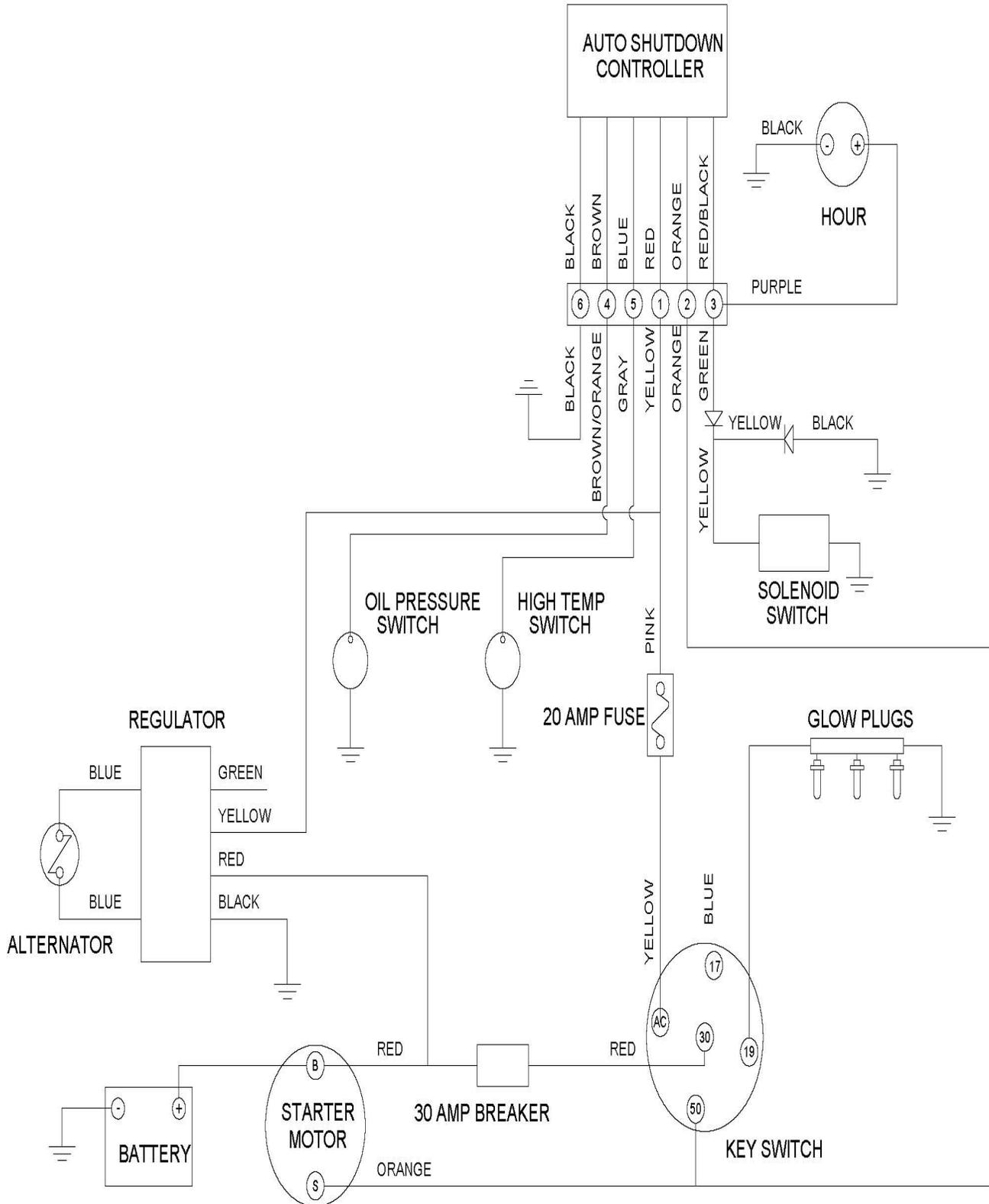
CE SPEC KUBOTA D1105 W/ DEEP SEA PANEL & E-STOP



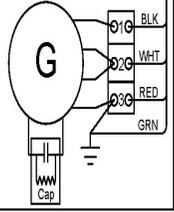
Kubota D1105 with 3110 Deep Sea Panel Wiring Rev 06/14/10

CAT C1.1 ENGINE WIRING SCHEMATIC

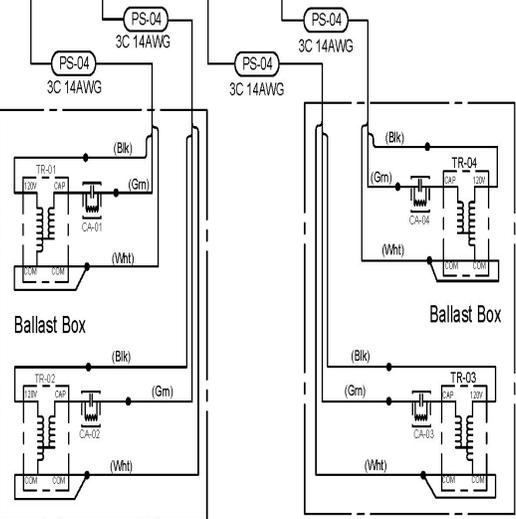
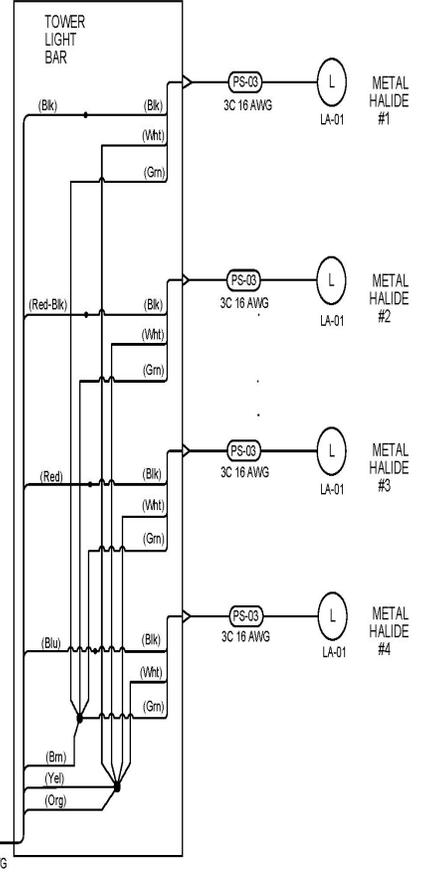
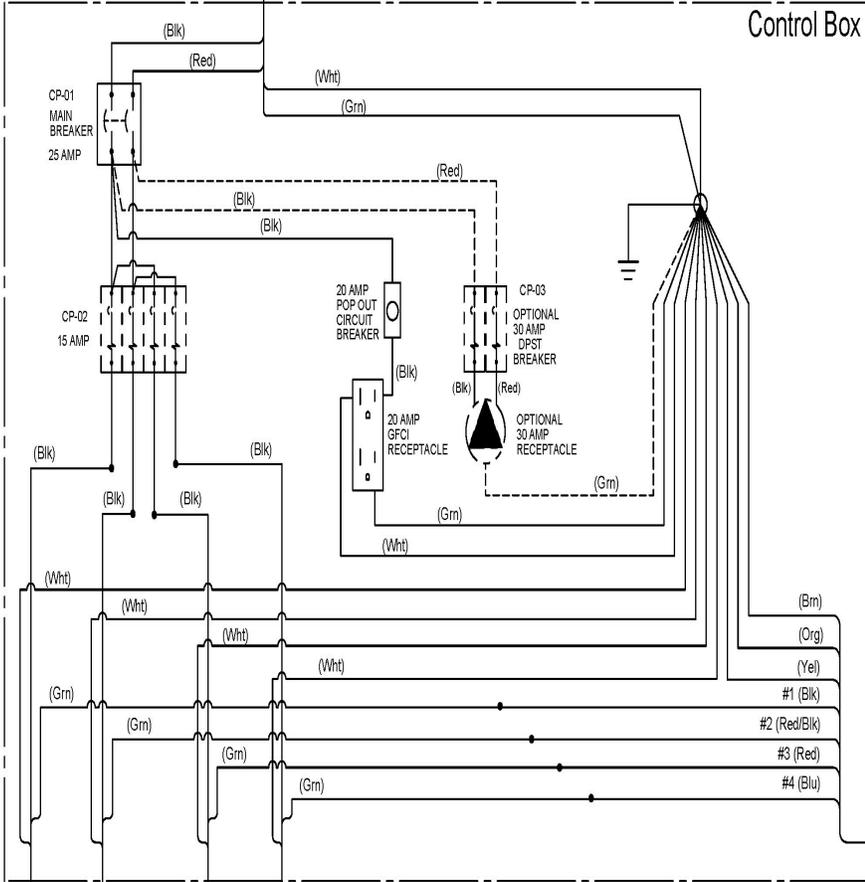
CAT C1.1 ENGINE WIRING HARNESS



MARATHON GENERATOR



**Domestic
60Hz Wiring
Marathon Generator
14-7 Tower Cord**

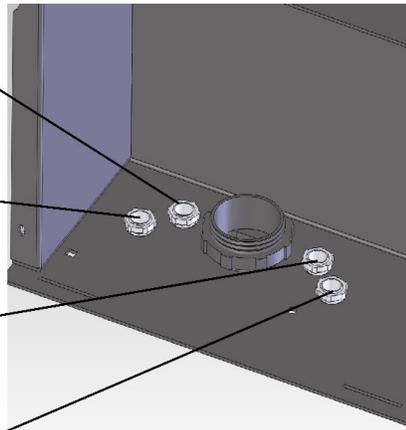


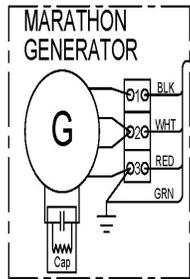
TR-02 WIRE
BLK / RED

TR-01 WIRE
BLACK

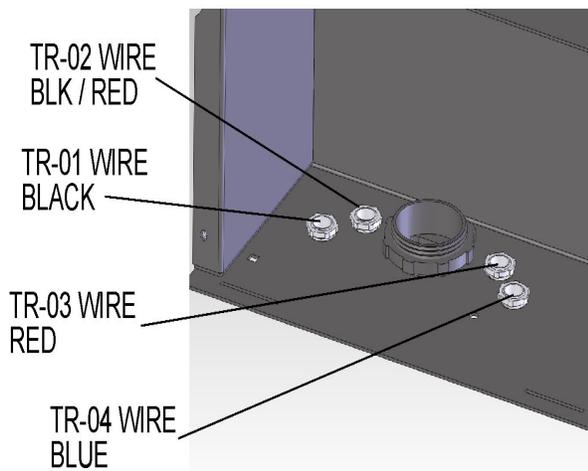
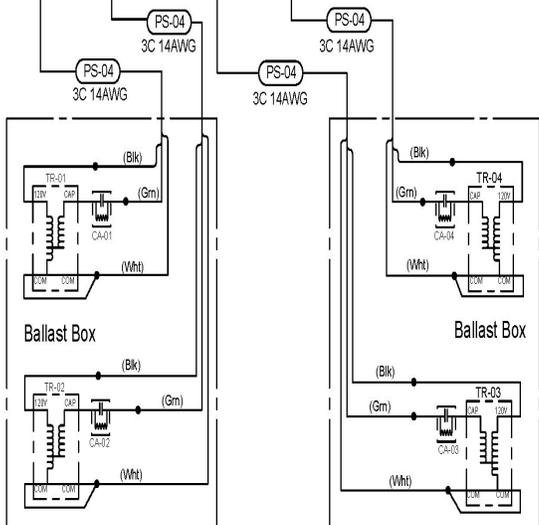
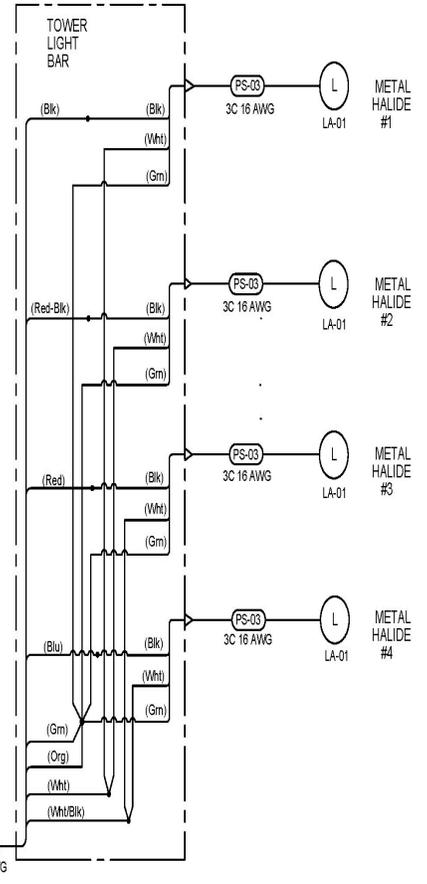
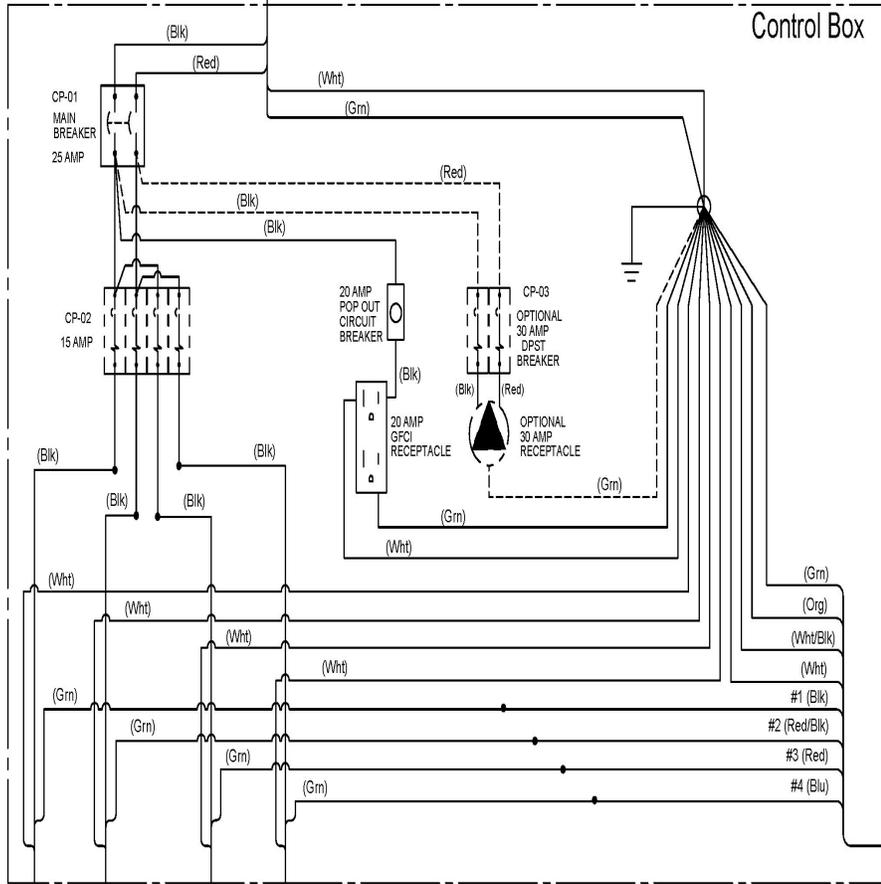
TR-03 WIRE
RED

TR-04 WIRE
BLUE

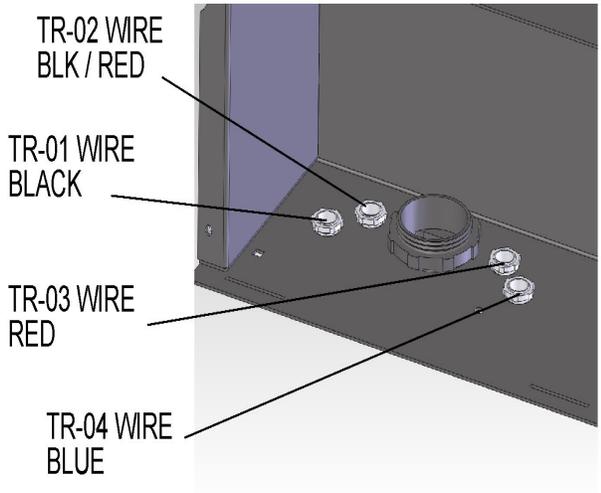
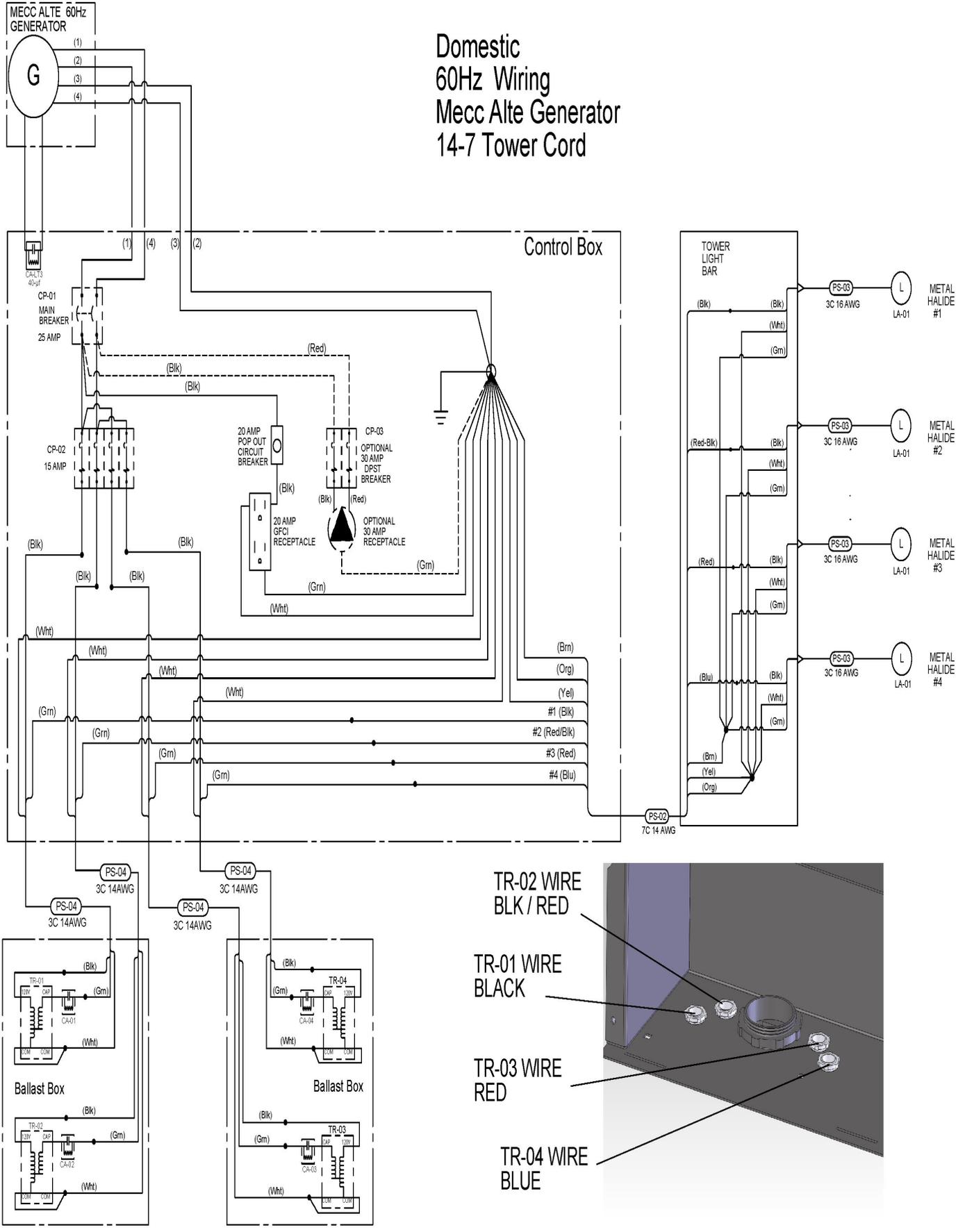




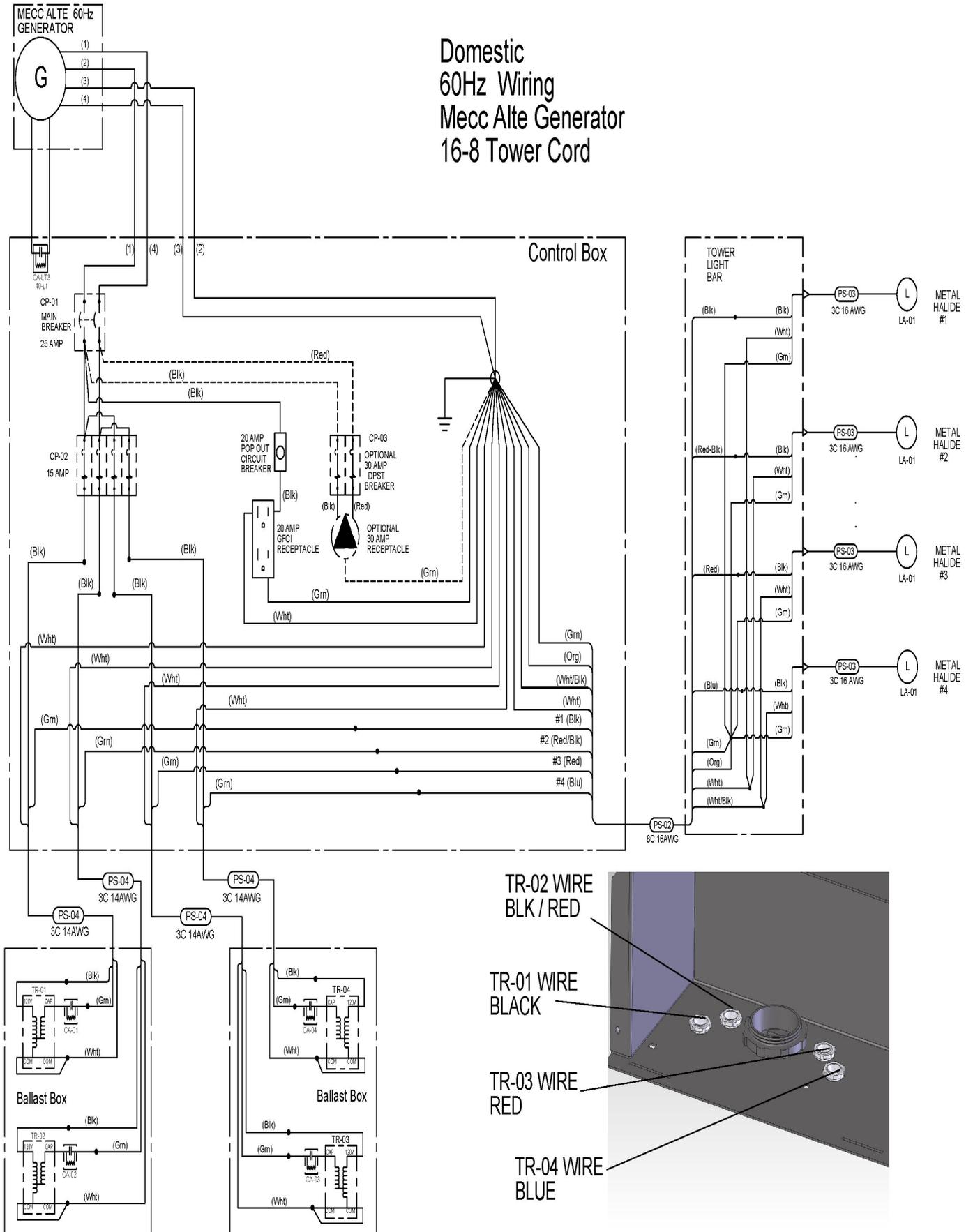
Domestic 60Hz Wiring Marathon Generator 16-8 Tower Cord

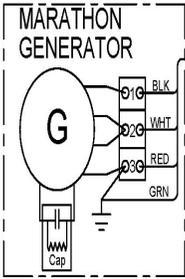


Domestic 60Hz Wiring Mecc Alte Generator 14-7 Tower Cord

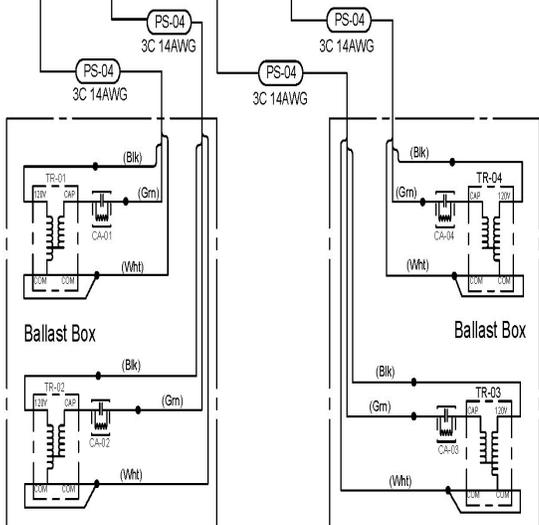
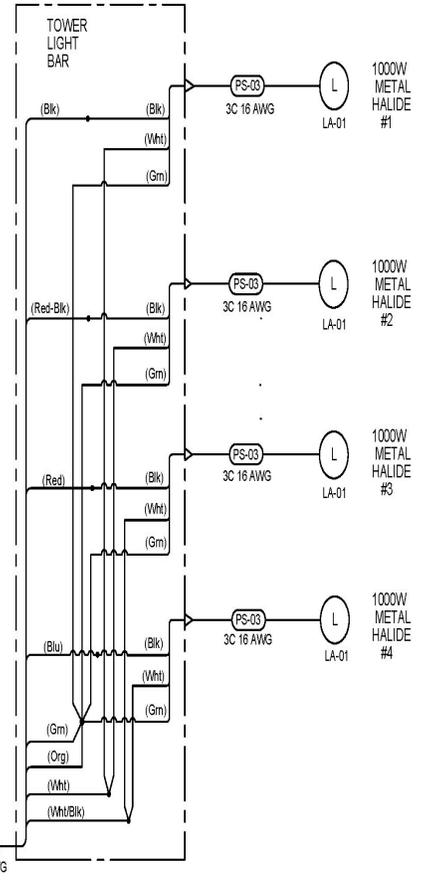
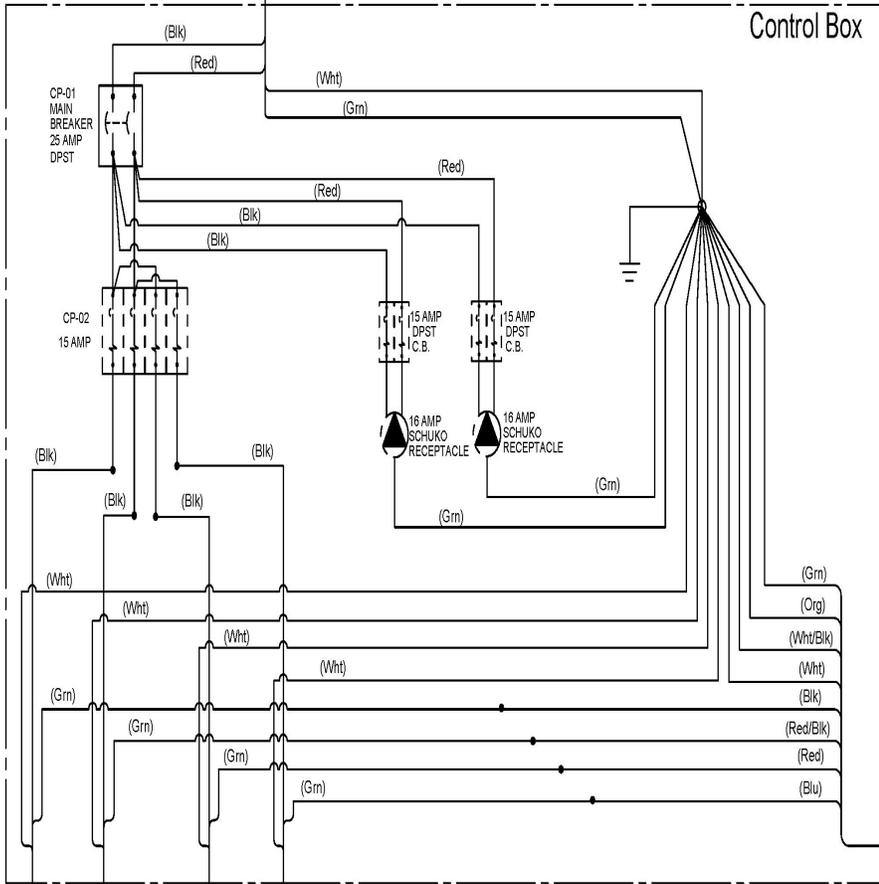


Domestic 60Hz Wiring Mecc Alte Generator 16-8 Tower Cord





PRO II
50Hz, 6 kW
Schuko Receptacles
Marathon Generator
16-8 Tower Cord

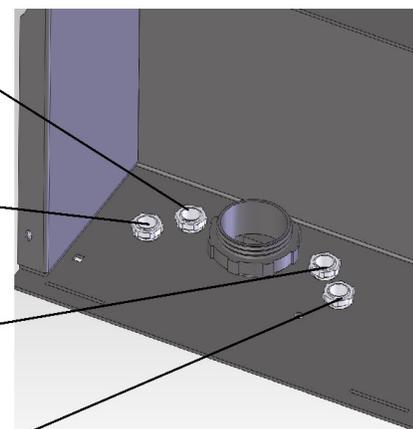


TR-02 WIRE
BLK / RED

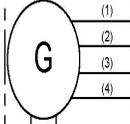
TR-01 WIRE
BLACK

TR-03 WIRE
RED

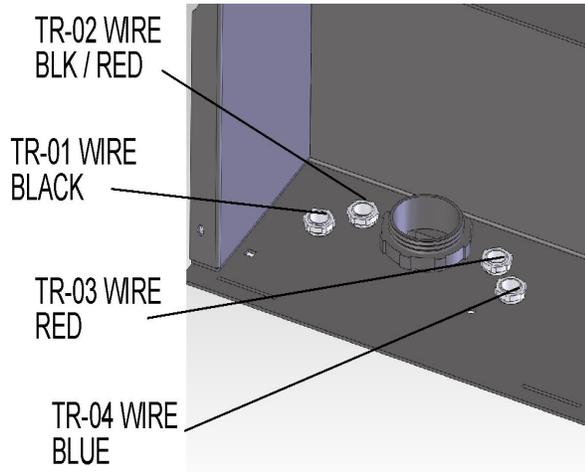
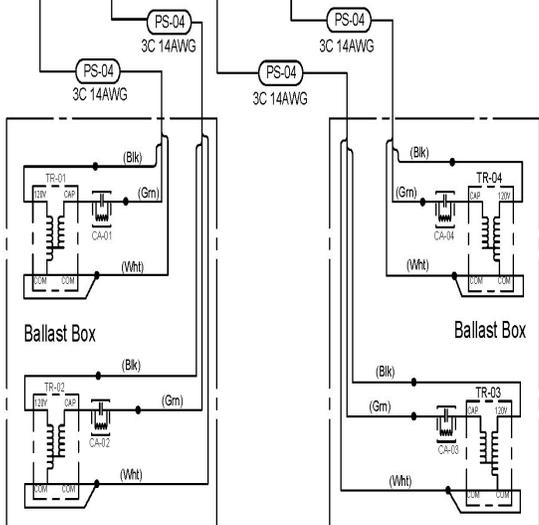
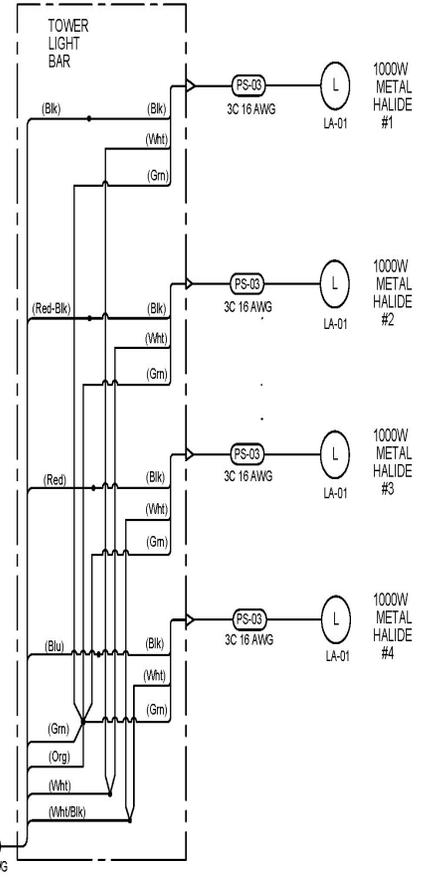
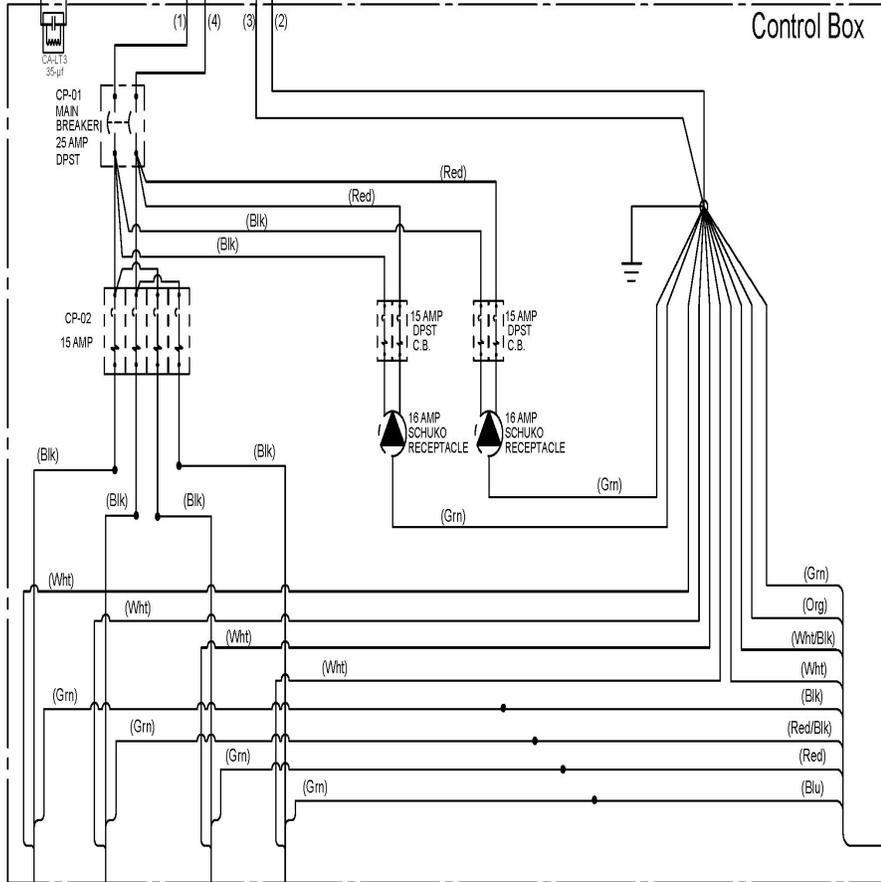
TR-04 WIRE
BLUE



MECC ALTE 50Hz
GENERATOR

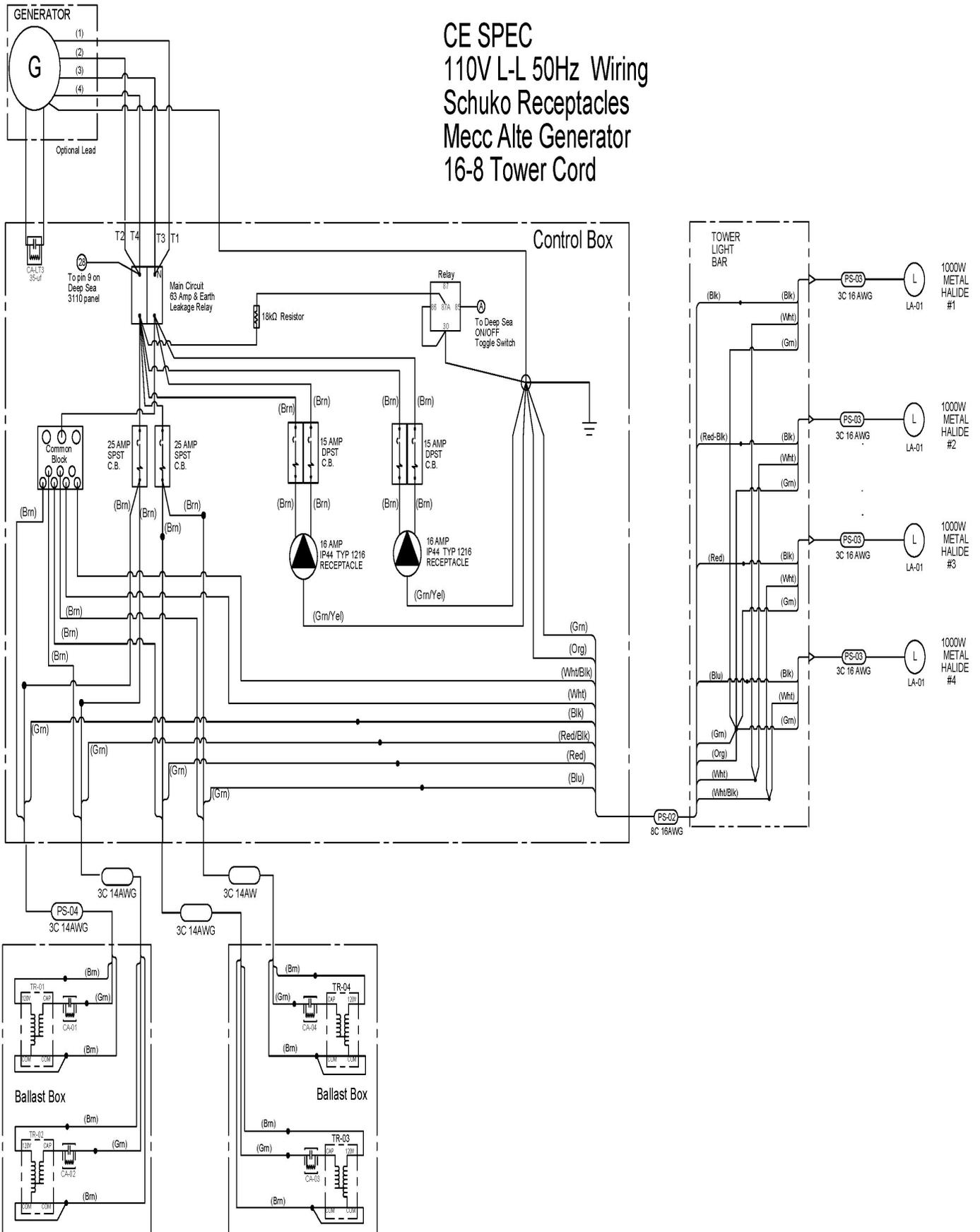


PRO II
50Hz, 6 kW
Schuko Receptacles
Mecc Alte Generator
16-8 Tower Cord



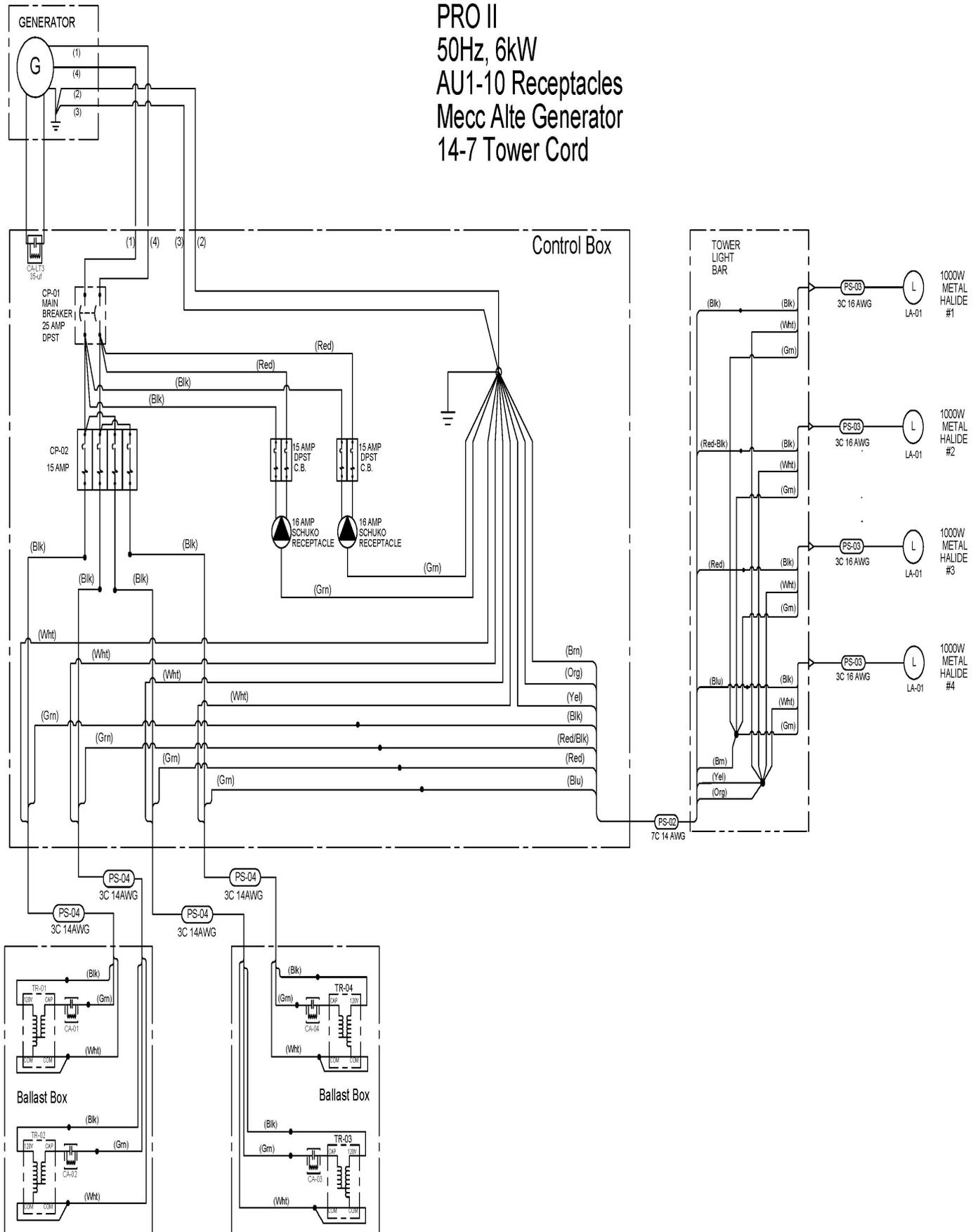
CE SPEC

CE SPEC
 110V L-L 50Hz Wiring
 Schuko Receptacles
 Mecc Alte Generator
 16-8 Tower Cord



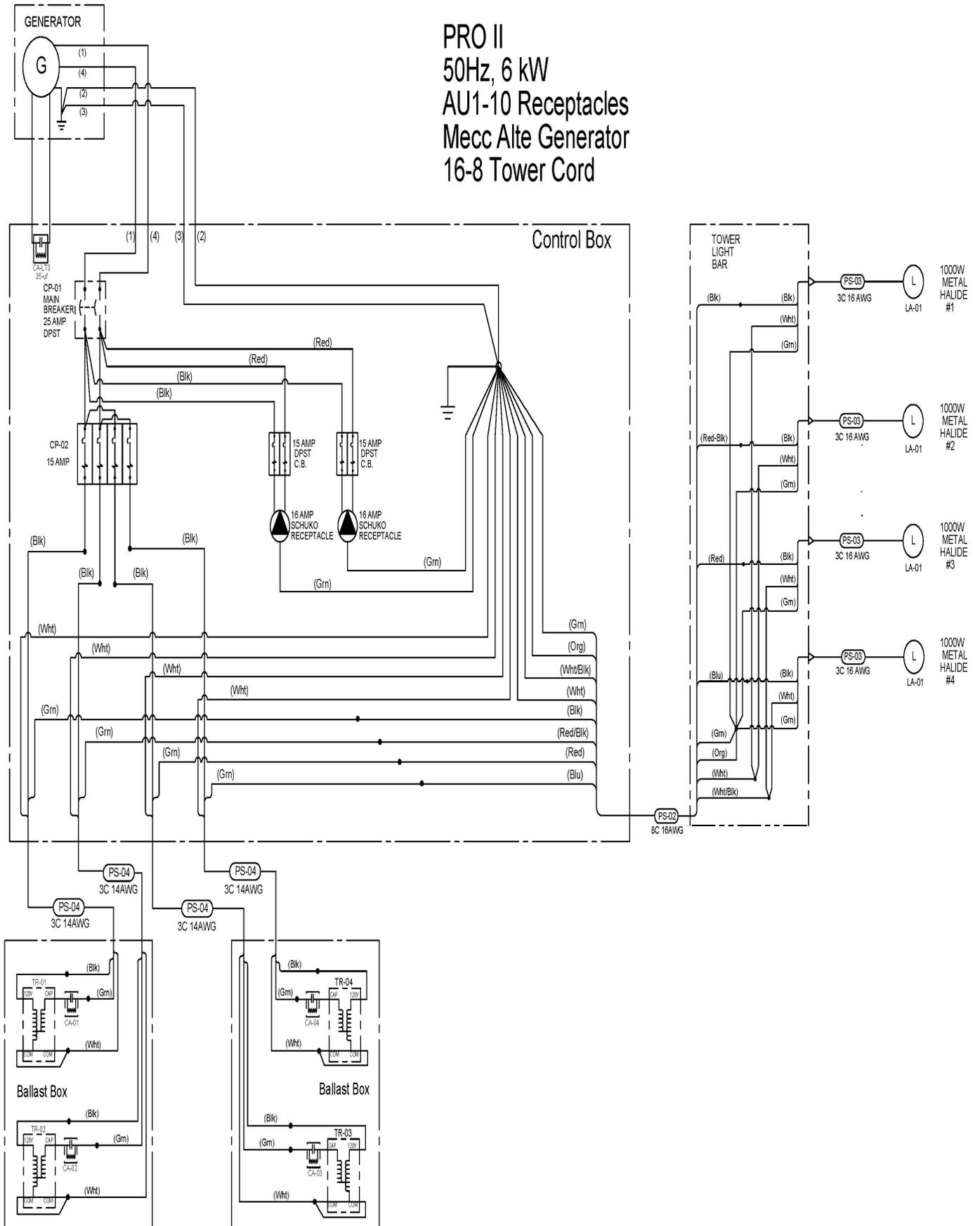
AUSTRALIAN SPEC

PRO II
 50Hz, 6kW
 AU1-10 Receptacles
 Mecc Alte Generator
 14-7 Tower Cord

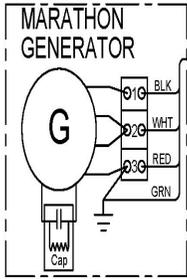


AUSTRALIAN SPEC

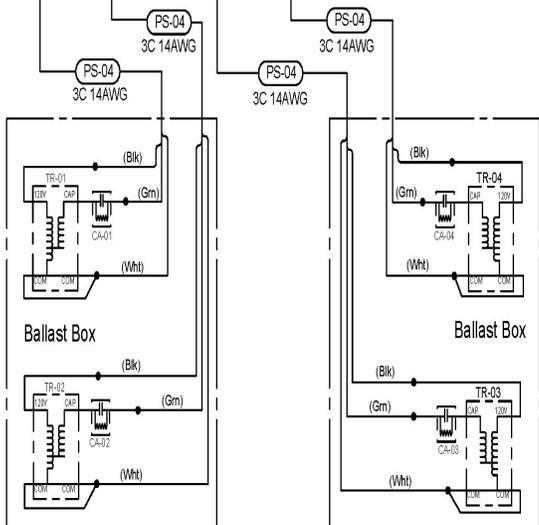
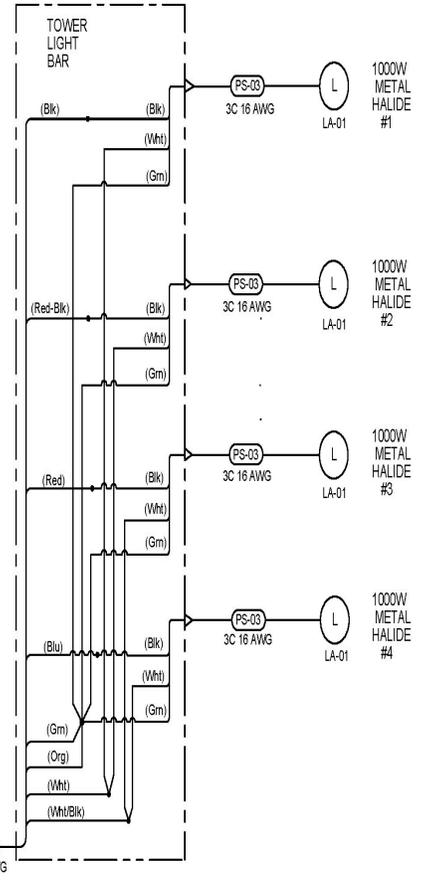
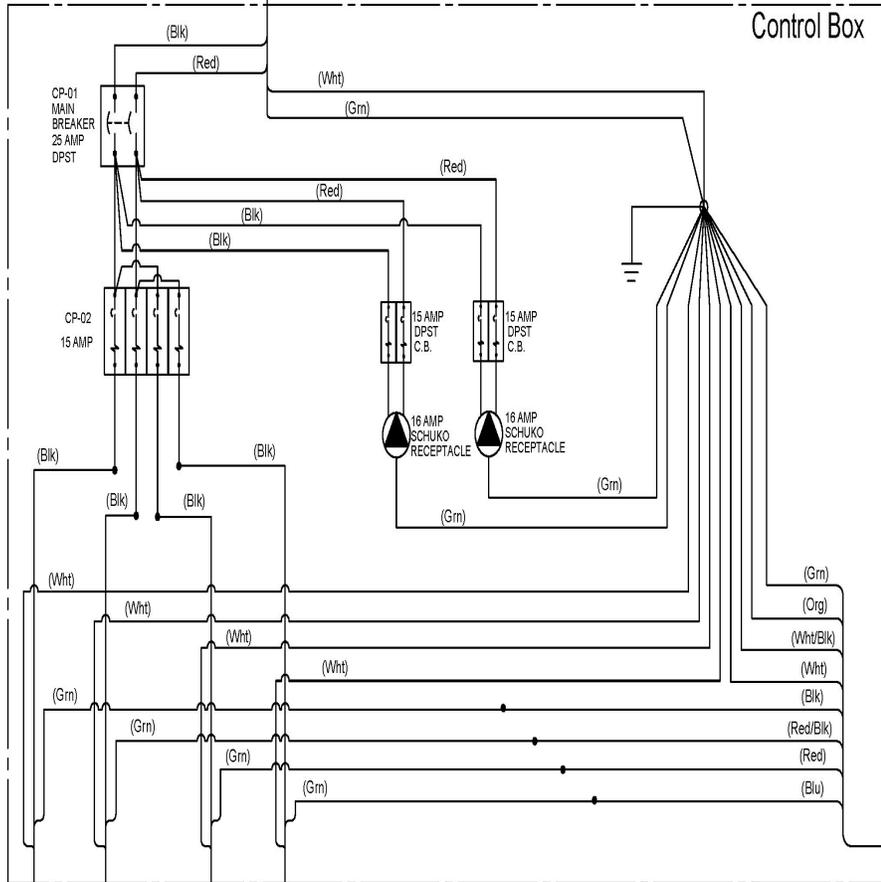
PRO II
 50Hz, 6 kW
 AU1-10 Receptacles
 Mecc Alte Generator
 16-8 Tower Cord



AUSTRALIAN SPEC

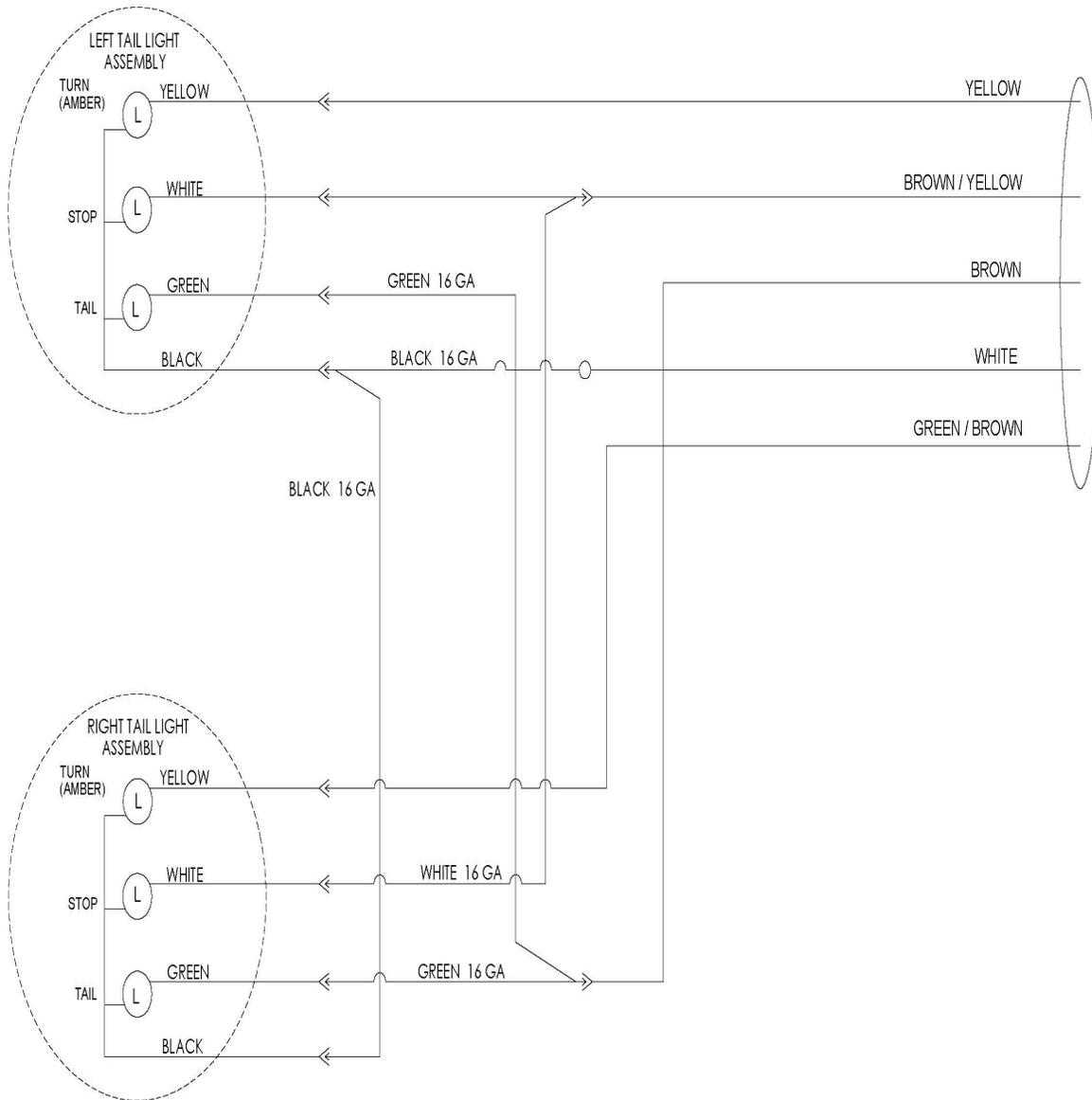


PRO II
50Hz, 6 kW
AU1-10 Receptacles
Marathon Generator
16-8 Tower Cord



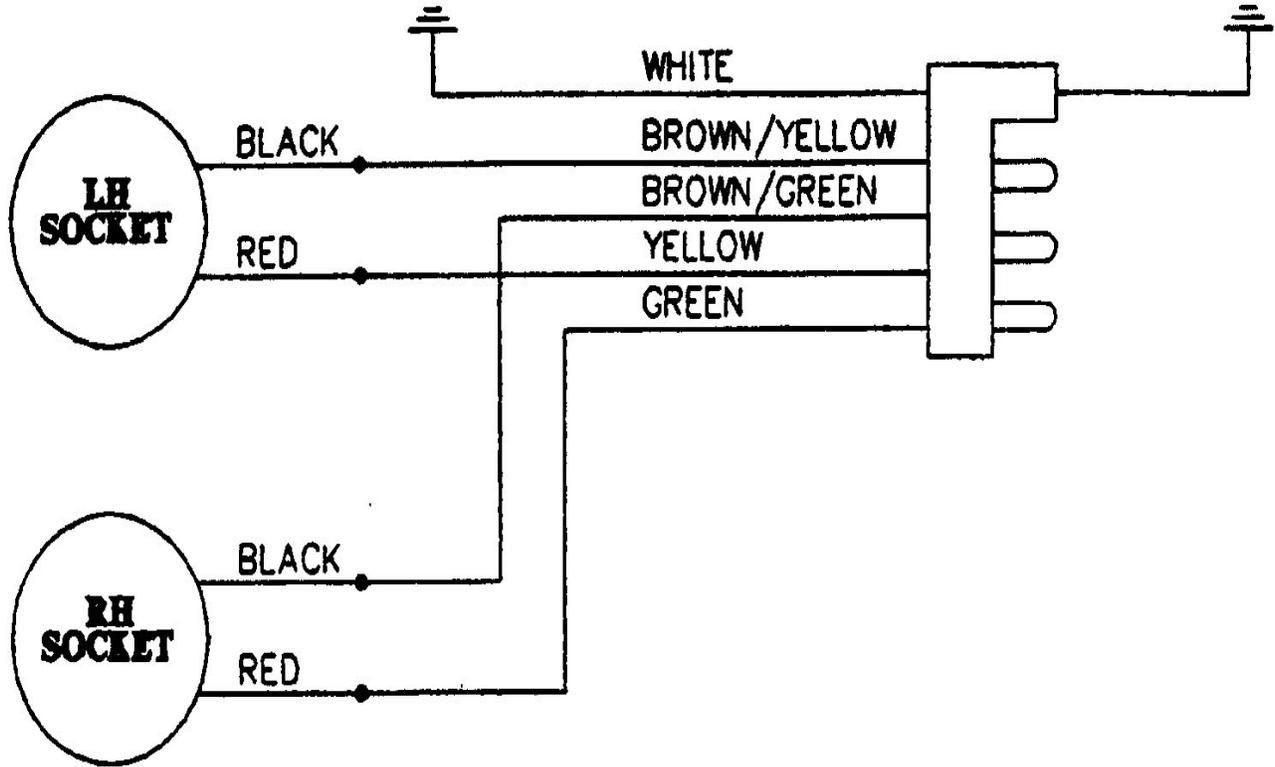
AUSTRALIAN SPEC

TAIL LIGHT WIRING



TAIL LIGHT WIRING HARNESS

TAIL LAMP WIRING SCHEMATIC



NOTE: NOT USED ON CE SPEC OR AS3000 SPEC TRAILERS.

WARRANTY

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 ACCOMPANIES THESE GOODS.

Subject to the foregoing, the manufacturer, Allmand Bros. Inc., hereby warrants all light towers manufactured by Allmand Bros. Inc. after April 1, 2008 to be free from defects in material and workmanship for a period of (2) years after delivery to the original purchaser. The first year warranty would include parts and labor. The second year warranty would be limited to parts manufactured by Allmand Bros. Inc. and components warranted by the original equipment manufacturer for more than 12 months. 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 manufacturer shall in no event be responsible for down time and or lost revenue.

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 thirty (30) days of the failure.



Allmand Bros. Inc.
 PO Box 888
 1502 West 4th Ave
 Holdrege, NE 68949
 800-562-1373 / 308-995-4495
 Fax 308-995-5887 / www.allmand.com

LIGHTING SYSTEMS LIMITED WARRANTY ADDENDUM

THIS IS AN ADDENDUM TO THE BASIC ALLMAND LIMITED WARRANTY OF TWO (2) YEARS AFTER DELIVERY TO THE ORIGINAL PURCHASER.

The following manufacturers limited warranty policy warrants their components to be free from defects in material and workmanship from date of manufacture as follows (see specific manufacturer's warranty for details):

CATERPILLAR	TWO (2) YEAR LIMITED	2000 HOURS
KUBOTA	THREE (3) YEAR LIMITED	3000 HOURS
LOMBARDINI/KOHLER	THREE (3) YEAR LIMITED	3000 HOURS
ISUZU 3CD	TWO (2) YEAR LIMITED	2000 HOURS
ISUZU 4LE	FIVE (5) YEAR LIMITED	5000 HOURS

ADVANCE BALLAST	TWO (2) YEAR LIMITED	--
MARATHON	ONE (1) YEAR LIMITED	--
MECC ALTE	ONE (1) YEAR LIMITED	--
STAMFORD	ONE (1) YEAR LIMITED	--
ATHLON	ONE (1) YEAR LIMITED	--
LIGHT TOWER ASSEMBLY	TEN (10) YEARS	FAILURE TO OPERATE DUE TO CORROSION

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 thirty (30) days of failure.

Please call the Allmand Service and Warranty Department for specific manufacturer's warranty terms and schedules. All warranties are subject to change without notice.



NIGHT LITE PRO II PARTS BOOK

INCLUDING
AS3000 AUSTRALIAN SPEC
&
CE SPEC

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

PHONE: (308) 995- 4495, 1- 800- 562- 1373
ALLMAND FAX: (308) 995- 5887
ALLMAND PARTS DEPT. FAX : (308) 995- 4883

www.allmand.com

PART NO. 103402 REVISED JANUARY 2014



NIGHT LITE PRO II

RECORD IMPORTANT INFORMATION

Recording the equipment information will help, when placing an order for replacement parts and/ or decals.

Company Equipment No: _____

Unit model No: _____

Unit Vin: _____

Engine Model No: _____ **Serial No:** _____

Generator Model No: _____ **Serial No:** _____

Accessories: _____

⚠ WARNING
CALIFORNIA PROPOSITION 65
Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

⚠ WARNING
CALIFORNIA PROPOSITION 65
Battery post, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm.
Wash hand after handling.

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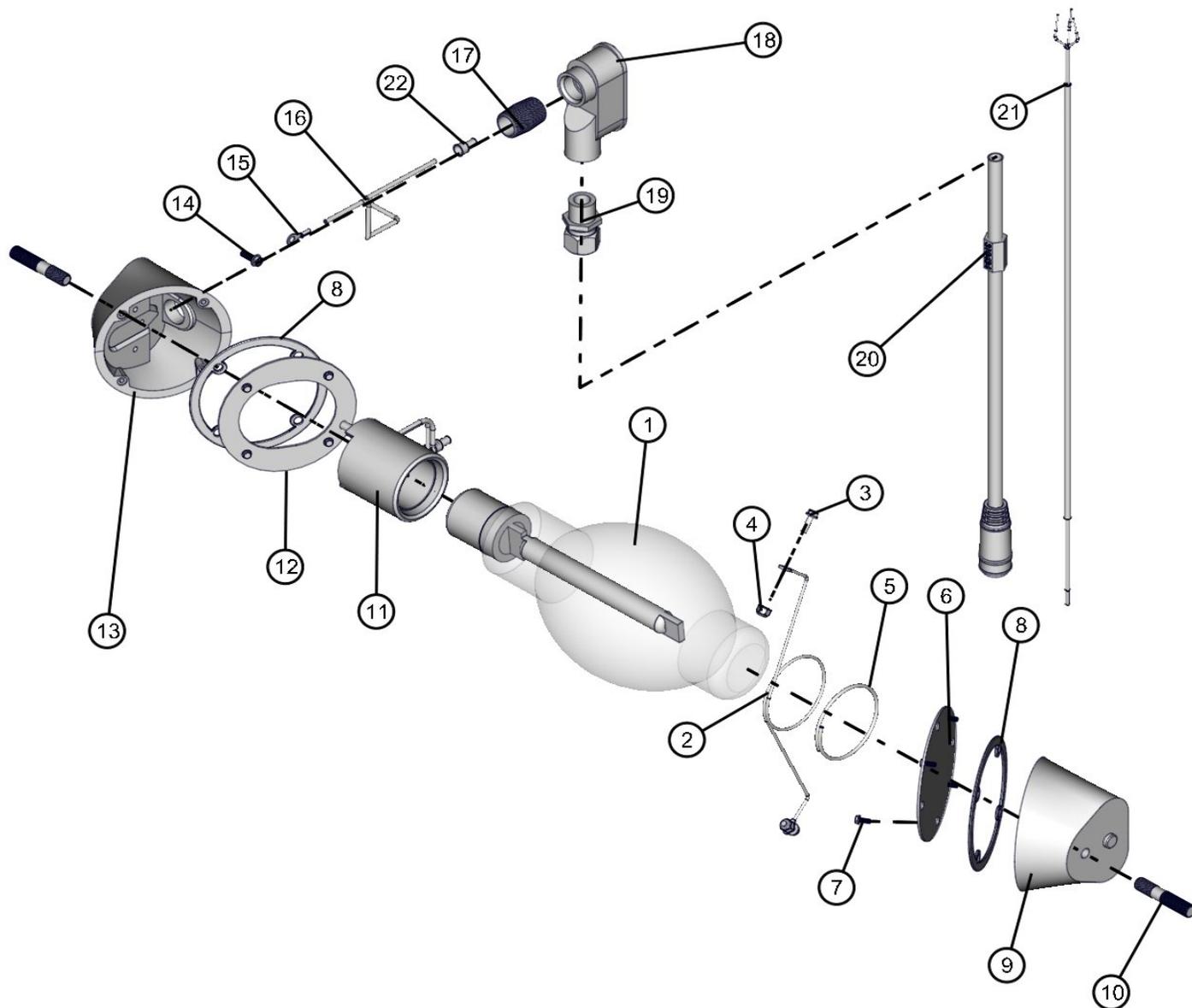
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1000W SHO LAMP NIGHT LITE PRO II

4/27/2012



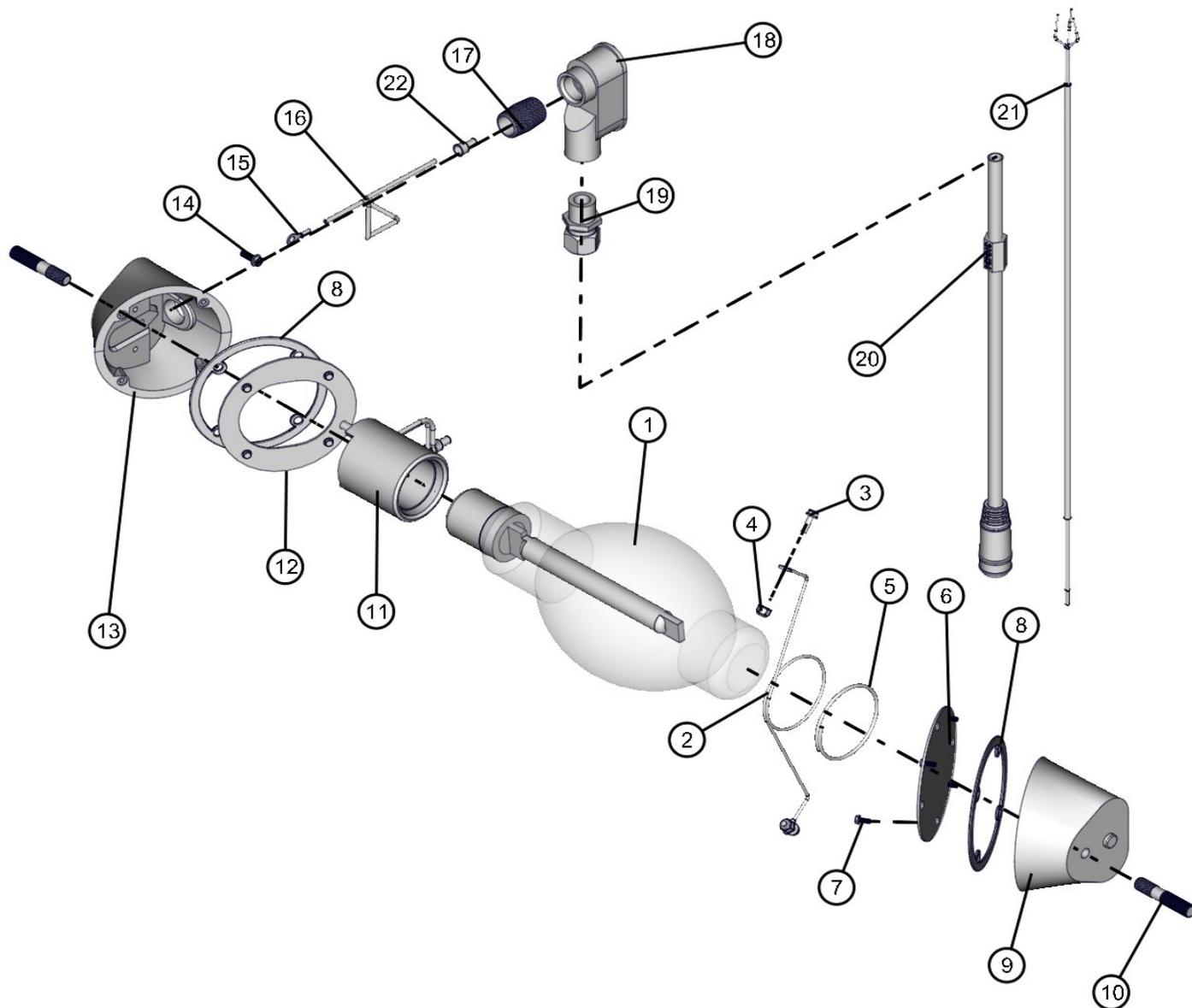
NO	QTY	PARTNO	DESCRIPTION
1	1	610211	LAMP 1000W BT37 (MH)
2	1	610209	LAMP TIP SUPPORT
3	2	041200	#8-32 X 1/2 HEX WASHER HEAD MS INDT
4	2	044013	#8-32 NYLOCK HEX NUT SS
5	1	610210	FIBERGLASS TUBE
6	1	610207	INTERIOR COVER PLATE
7	8	041028	#10-24 X 1/2 HEX WASHER HEAD INDT
8	2	610213	GASKET
9	1	610206	SOCKET END CAP
10	2	045142	3/8-24 X 3/8-16 X 2 STUD
11	1	610212	CERAMIC SOCKET
12	1	610208	INTERIOR COVER PLATE

NO	QTY	PARTNO	DESCRIPTION
13	1	610205	SOCKET END CAP W/ 1/2-14 NPT HOLE
14	1	041257	#10-32 SL-HEX WASHER HEAD MS GRND
15	1	022155	#10 RING
16	1	610219	14 AWG GREEN 6"
17	1	610215	NIPPLE
18	1	610214	ELBOW
19	1	510007	1/2 CORD GRIP
20	1	310434	MALE CONNECTOR CABLE
21	1	650159	16/3 X 68 HARD WIRED LEAD
22	3	022060	WIRE CAP SMALL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

1250W SHO LAMP NIGHT LITE PRO II

4/27/2012



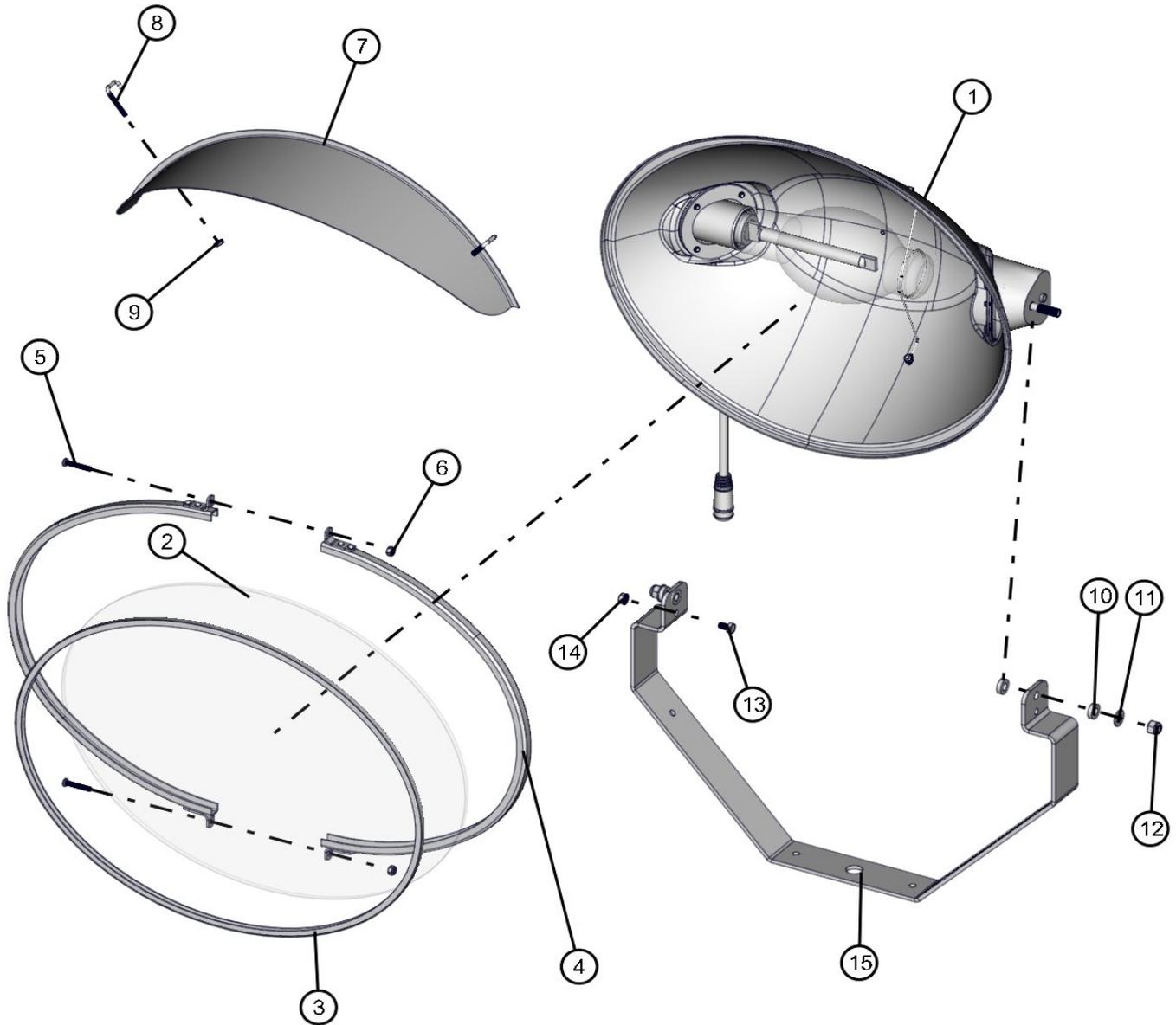
NO	QTY	PARTNO	DESCRIPTION
1	1	610221	LAMP 1250W BT37 (MH)
2	1	610209	LAMP TIP SUPPORT
3	2	041200	#8-32 X 1/2 HEX WASHER HEAD MS INDT
4	2	044013	#8-32 NYLOCK HEX NUT SS
5	1	610210	FIBERGLASS TUBE
6	1	610207	INTERIOR COVER PLATE
7	8	041028	#10-24 X 1/2 HEX WASHER HEAD INDT
8	2	610213	GASKET
9	1	610206	SOCKET END CAP
10	2	045142	3/8-24 X 3/8-16 X 2 STUD
11	1	610212	CERAMIC SOCKET
12	1	610208	INTERIOR COVER PLATE

NO	QTY	PARTNO	DESCRIPTION
13	1	610205	SOCKET END CAP W/ 1/2-14 NPT HOLE
14	1	041257	#10-32 SL-HEX WASHER HEAD MS GRND
15	1	022155	#10 RING
16	1	610219	14 AWG GREEN 6"
17	1	610215	NIPPLE
18	1	610214	ELBOW
19	1	510007	1/2 CORD GRIP
20	1	310434	MALE CONNECTOR CABLE
21	1	650159	16/3 X 68 HARD WIRED LEAD
22	3	022060	WIRE CAP SMALL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SHO LAMP HOLDER NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	610201	REFLECTOR
2	1	610203	GLASS LENS
3	1	610217	SILICONE GASKET
4	2	610202	LENS CHANNEL SET
5	2	041036	#10-24 X 1 1/4 PH-ROUND HEAD MS SS
6	2	044019	#10-24 NYLOC HEX NUT SS
7	1	610017	SAF-T VISOR (OPTION)
8	2	045070	#10-24 HOOK SQ BEND BOLT

NO	QTY	PARTNO	DESCRIPTION
9	2	044016	#10-24 KEPS HEX NUT PL
10	4	047019	3/4 OD X .385 ID NYLON BUSHING
11	2	047016	3/8 FLAT WASHER SAE PL
12	2	044037	3/8-24 NYLOCK HEX NUT PL
13	1	046005	1/4-20 X 1/2 HEX HEAD CS GR5 PL
14	1	044021	1/4-20 KEPS HEX NUT PL
15	1	660130P	YOKE MOUNT

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SHO LAMP ASSEMBLIES
NIGHT LITE PRO II

4/27/2012

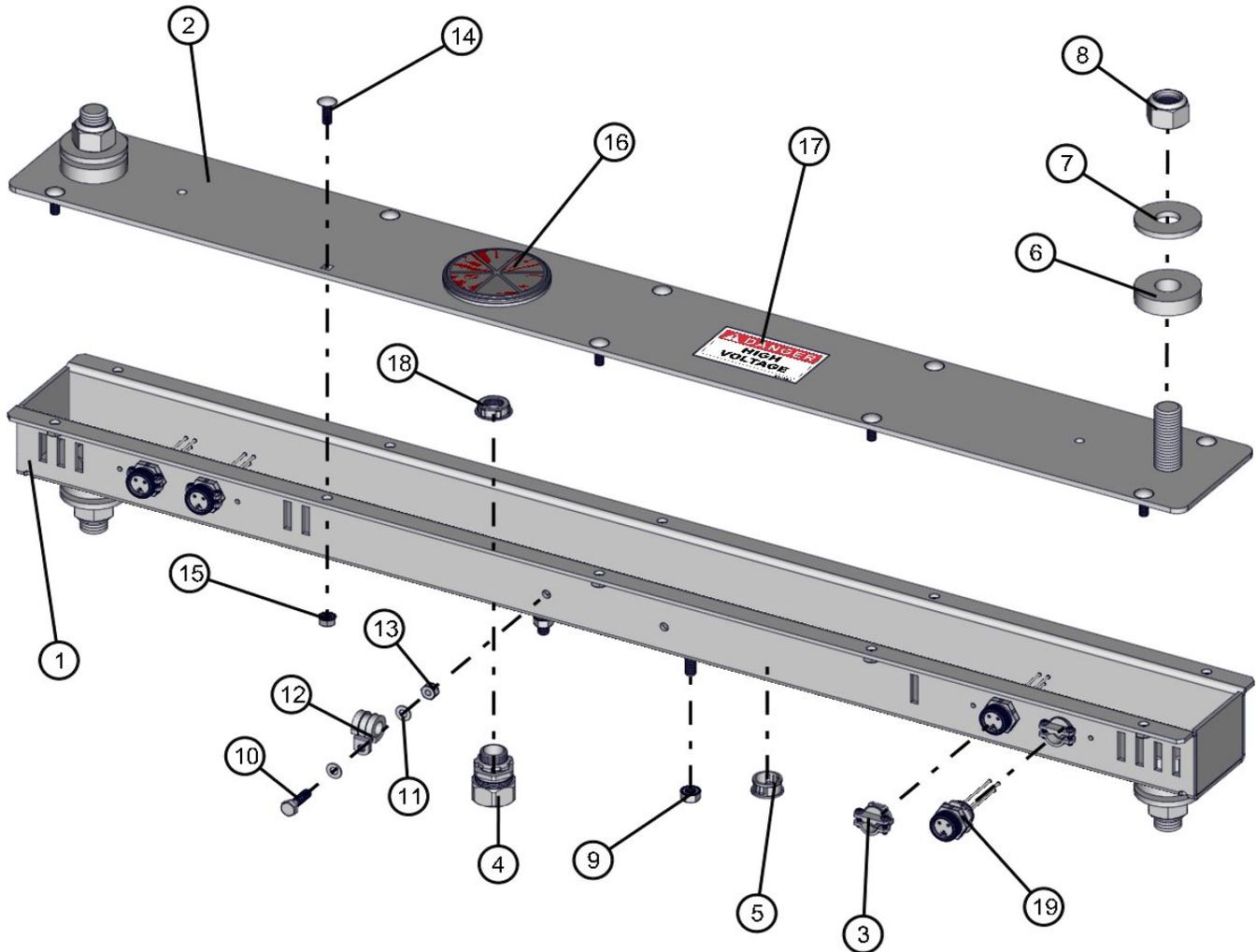
610250 -- LAMPHOLDER ASSY W/ YOKE W/ LAMP (610211) QD LEAD
650144 -- LAMPHOLDER ASSY W/ YOKE W/ LAMP (610211) NO LEAD
610265 -- LAMPHOLDER ASSY W/ YOKE W/ LAMP (610218) QD LEAD
610263 -- LAMPHOLDER ASSY W/ YOKE W/ LAMP (610218) NO LEAD
100632 -- LAMPHOLDER ASSY W/ YOKE W/ LAMP (610221) QD LEAD
100633 -- LAMPHOLDER ASSY W/ YOKE W/ LAMP (610221) NO LEAD

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LIGHT BAR MANUAL WINCH TOWER

NIGHT LITE PRO II

4/27/2012



NO	Qty	PARTNO	DESCRIPTION
1	1	650319P	FRAME
2	1	620537P	COVER
3	4	022020	2 SCREW CLAMP 3/8
4	1	310033	1/2 CORD GRIP
5	1	711029	7/8 LOCKING HOLE PLUG
6	4	101813	.781 ID x 2 OD x 1/2 HDPE WASHER
7	4	047035	3/4 FLAT WASHER PL
8	4	044121	3/4-10 NYLOCK HEX NUT SS
9	4	044031	5/16 -18 KEPS HEX NUT PL
10	1	046015	1/4-20 X 1 HEX HEAD CS GR5 PL

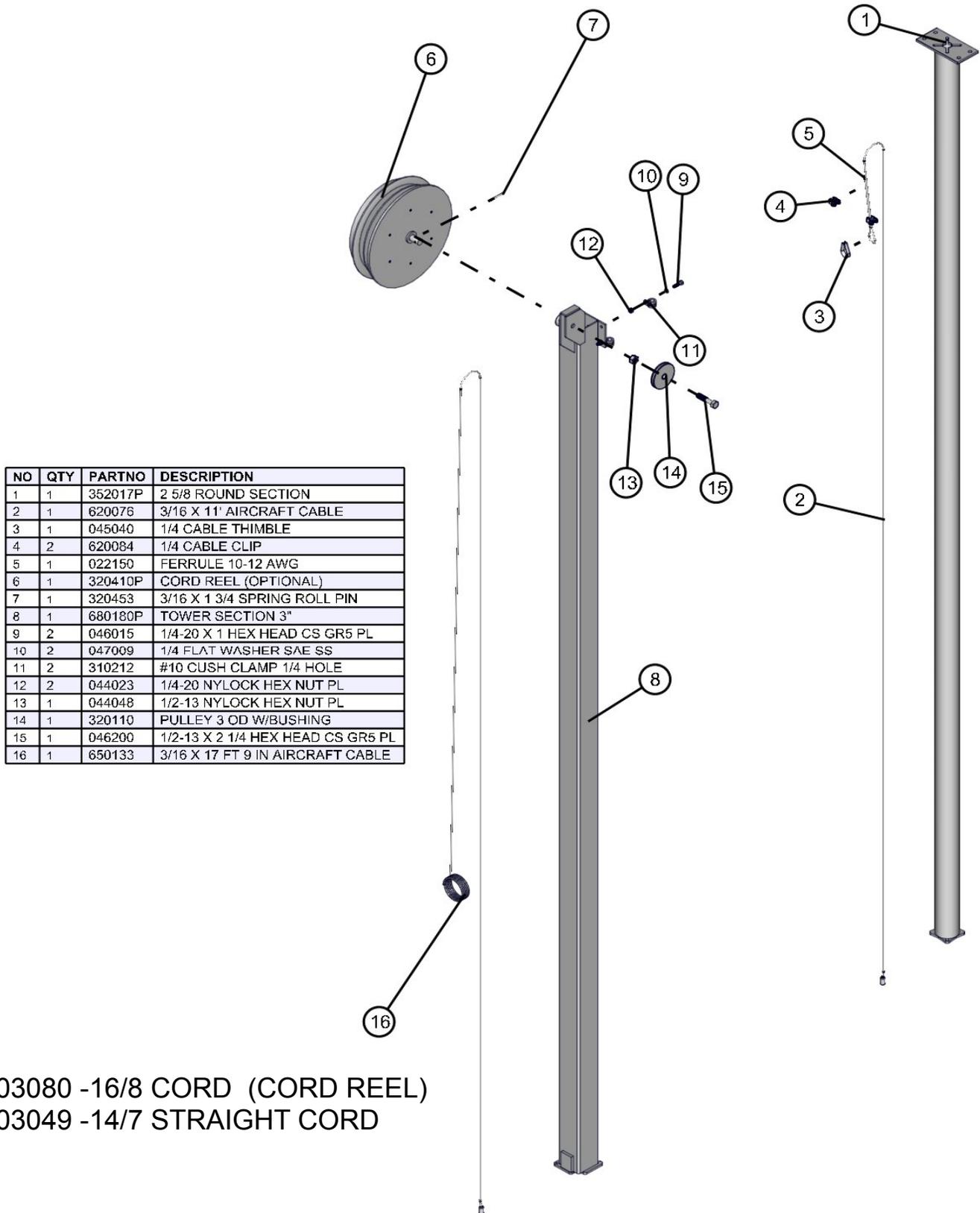
NO	Qty	PARTNO	DESCRIPTION
11	2	047009	1/4 FLAT WASHER SAE SS
12	1	310212	#10 CUSH CLAMP 1/4 HOLE
13	1	044023	NUT NYLOCK 1/4-20 HEX NUT PL
14	10	053006	1/4-20 X 3/4 CARRIAGE BOLT
15	10	044021	1/4-20 KEPS HEX NUT PL
16	1	330037	REFLECTOR RED 3"
17	1	090002	HIGH VOLTAGE DECAL
18	1	022415	1/2 INSULATING BUSHING
19	4	310414	QD CONNECTOR FEMALE (OPTIONAL)

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

2 5/8 ROUND & 3" MANUAL WINCH TOWER SECTIONS

NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	352017P	2 5/8 ROUND SECTION
2	1	620076	3/16 X 11' AIRCRAFT CABLE
3	1	045040	1/4 CABLE THIMBLE
4	2	620084	1/4 CABLE CLIP
5	1	022150	FERRULE 10-12 AWG
6	1	320410P	CORD REEL (OPTIONAL)
7	1	320453	3/16 X 1 3/4 SPRING ROLL PIN
8	1	680180P	TOWER SECTION 3"
9	2	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
10	2	047009	1/4 FLAT WASHER SAE SS
11	2	310212	#10 CUSH CLAMP 1/4 HOLE
12	2	044023	1/4-20 NYLOCK HEX NUT PL
13	1	044048	1/2-13 NYLOCK HEX NUT PL
14	1	320110	PULLEY 3 OD W/BUSHING
15	1	046200	1/2-13 X 2 1/4 HEX HEAD CS GR5 PL
16	1	650133	3/16 X 17 FT 9 IN AIRCRAFT CABLE

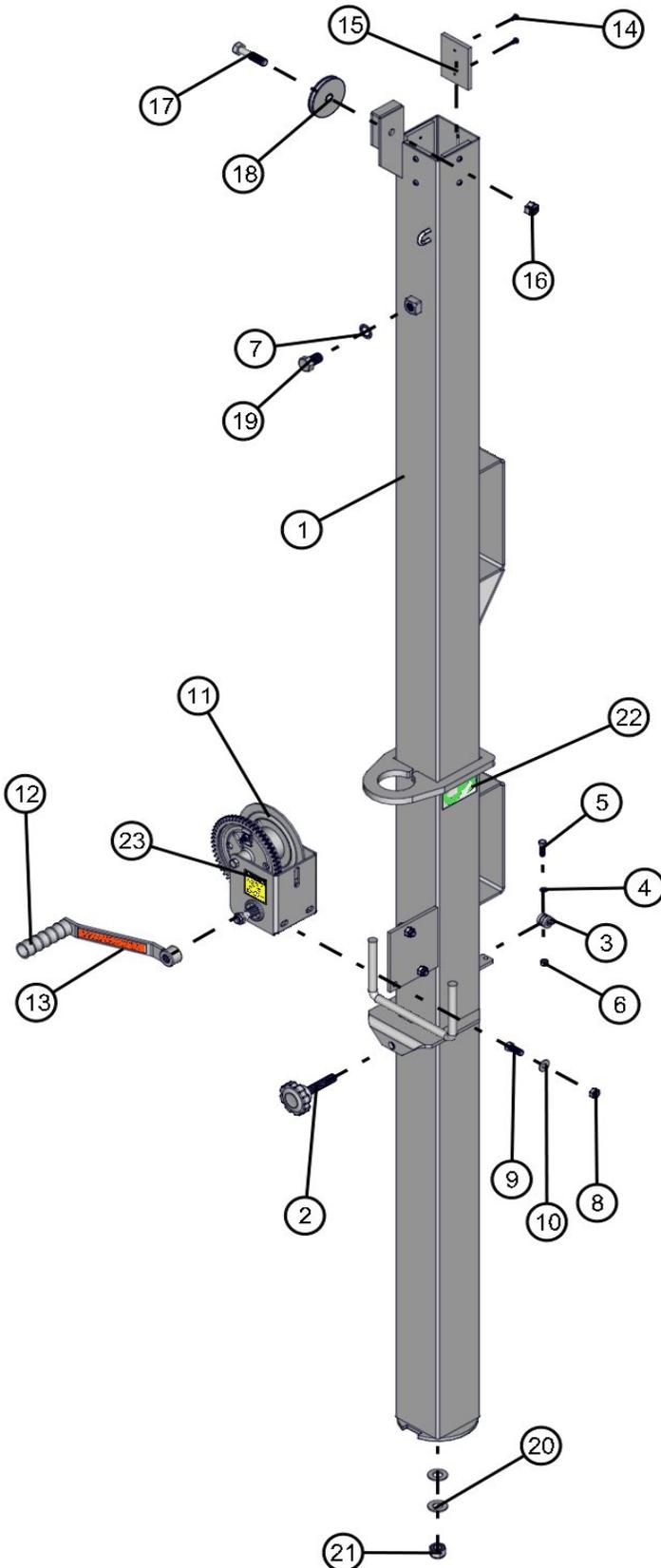
103080 -16/8 CORD (CORD REEL)
 103049 -14/7 STRAIGHT CORD

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

4" TOWER SECTION MANUAL WINCH TOWER

NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	102943P	4" SECTION
2	1	620550	1/2-13 X 2 1/8 LOCKING KNOB
3	6	310212	#10 CUSH CLAMP 1/4 HOLE
4	6	047009	1/4 FLAT WASHER SAE SS
5	6	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
6	6	044023	1/4-20 NYLOCK HEX NUT PL
7	1	043100	5/8 INTL TOOTH LOCK WASHER PL
8	3	044038	3/8-16 NYLOCK HEX NUT PL
9	3	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
10	3	047010	5/16 FLAT WASHER PL
11	1	610531	DL-1200 LB WINCH
12	1	712032	WINCH HANDLE
13	1	204358C	WINCH ACCIDENT DECAL
14	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
15	4	650110	5/16 PAD
16	1	044048	1/2-13 NYLOCK HEX NUT PL
17	1	046200	1/2-13 X 2 1/4 HEX HEAD CS GR5 PL
18	1	320110	PULLEY 3 OD W/BUSHING
19	1	046242	5/8-11 X 1 HEX HEAD CS GR5 PL
20	2	047030	5/8 FLAT WASHER PL
21	1	044053	5/8-11 NYLOCK HEX NUT PL
22	2	090136	LIFT POINT DECAL
23	1	090474	WINCH CAUTION DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

INSTRUCTIONS FOR REPLACING STEEL CABLES

NIGHT LITE PRO II

4/27/2012

MANUAL LAYDOWN TOWER WINCH ONLY

NS	REQ'D	PART NO	DESCRIPTION
	2	620084	WIRE ROPE CLIP 3/16"
	1	045040	WIRE ROPE THIMBLE 1/4"
	1	620076	STEEL CABLE 3/16 X 11'
	1	650133	STEEL CABLE 3/16 X 17'9"
	1	320185	STEEL CABLE 3/16 X 10'

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 THE 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 AND BRACKETS AND INSTALL 3" PULLEY.
WITH ALL SECTIONS PUSHED TOGETHER TIGHT, INSERT CABLE THROUGH HALF-LINK
AND INSTALL 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 THE 3" MAST SECTIONS TOGETHER.
REMOVE ALL THE 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 TOWER PADS.
ATTACH CABLE TO WINCH AND WIND IN A CLOCKWISE DIRECTION UNTILL 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'

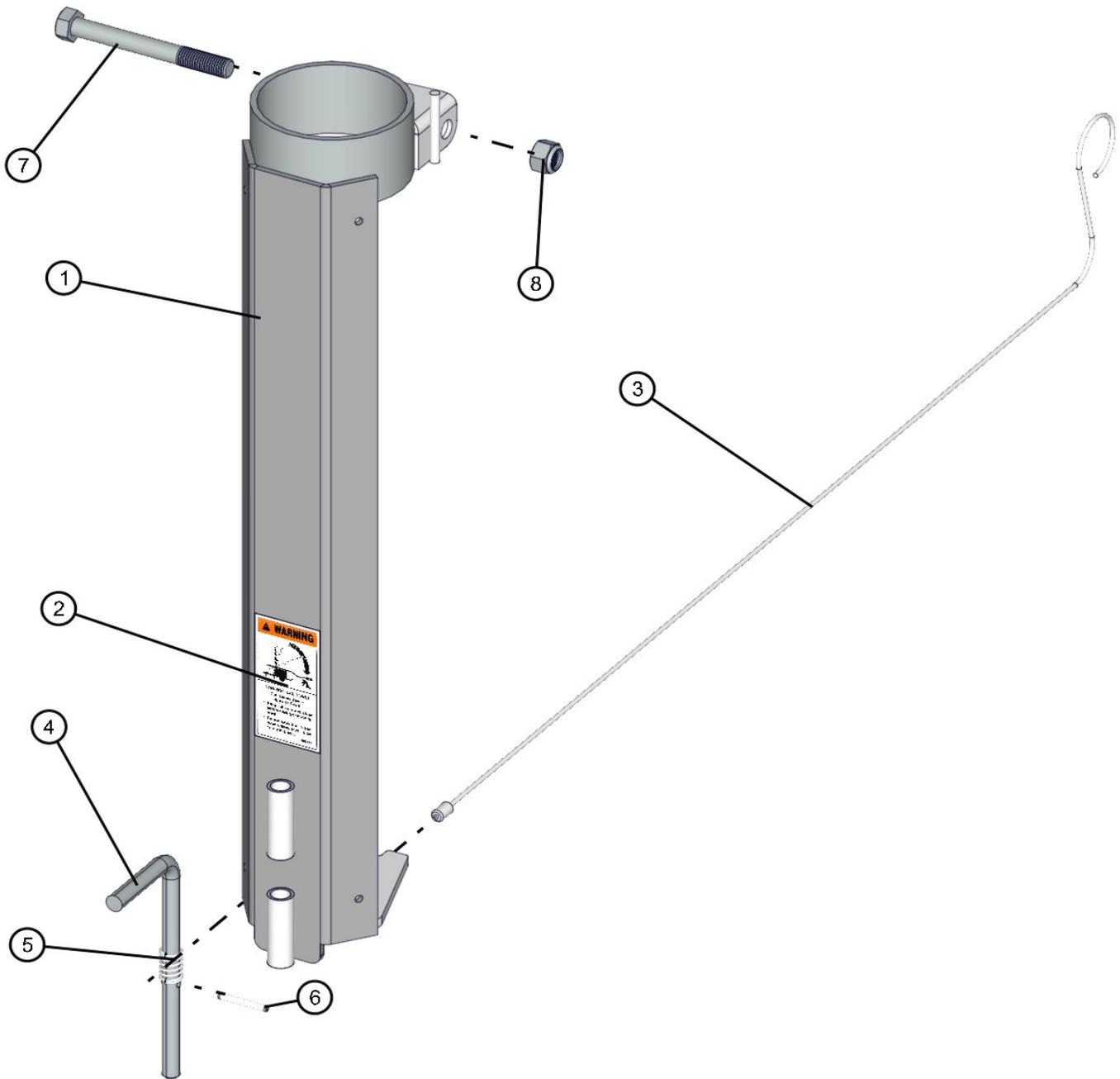
REMOVE ALL BROKEN AND FRAYED CABLE.
FEED NEW CABLE THROUGH EYELET IN MAST PIVOT SECTION.
FEED THROUGH PULLEY BRACKETS AND AROUND PULLEY IN FRONT UPRIGHTS.
ATTACH CABLE TO WINCH AND WIND IN A CLOCKWISE DIRECTION UNTILL ALL SLACK IS
OUT.

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

NEW PIVOT SECTION MANUAL WINCH TOWER (NEW)

NIGHT LITE PRO II

4/27/2012



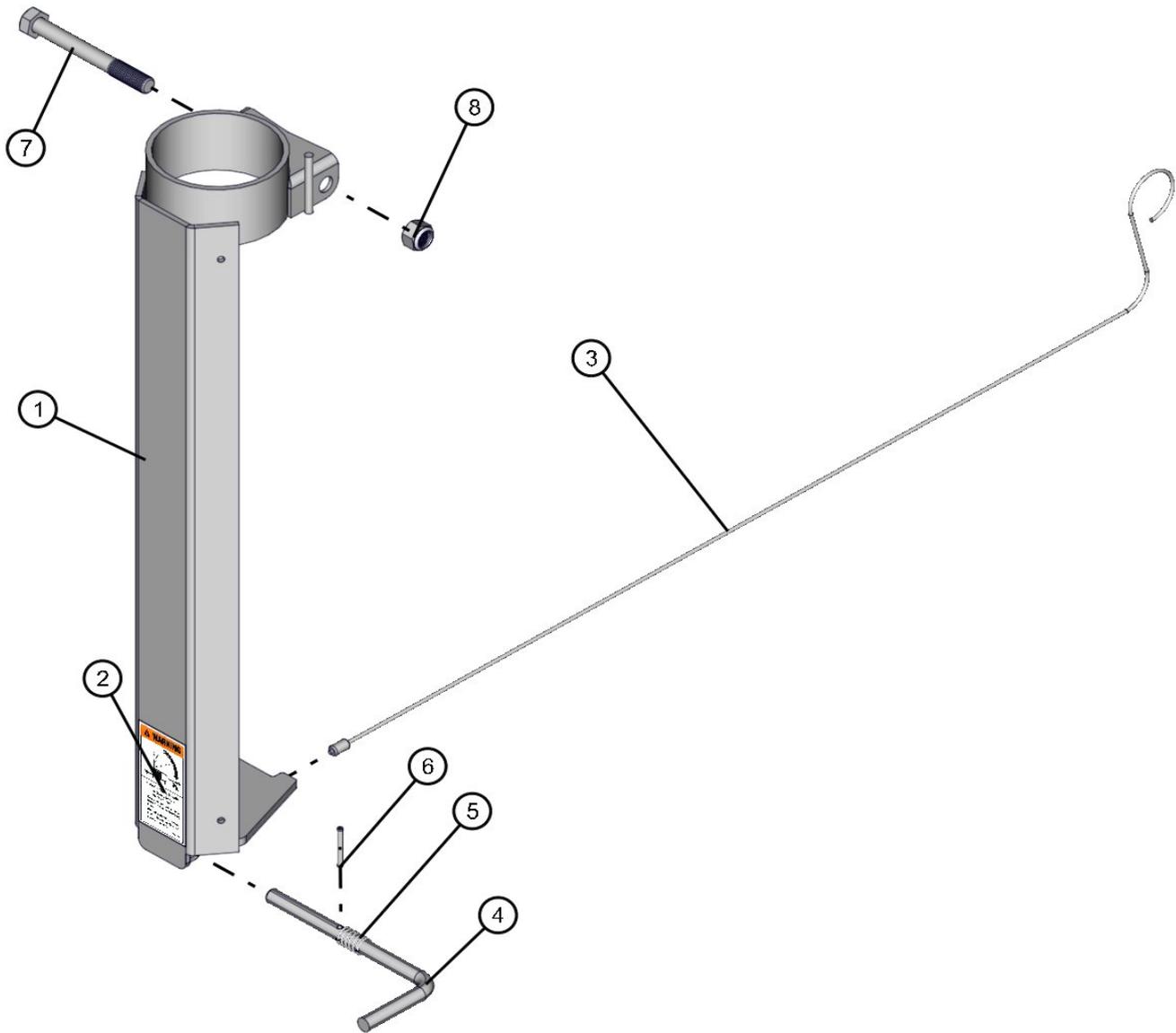
NO	QTY	PARTNO	DESCRIPTION
1	1	103030P	PIVOT SECTION
2	1	090164	DEATH OR INJURY DECAL
3	1	320185	WINCH CABLE
4	1	330450	LOCKING PIN
5	1	102944	SPRING
6	1	045156	1/4 X 2 SPRING ROLL PIN
7	1	046286	3/4-10 X 6 1/2 HEX HEAD CS GR5 PL
8	1	044058	3/4-10 NYLOCK HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

PIVOT SECTION MANUAL WINCH TOWER (OLD)

NIGHT LITE PRO II

4/27/2012



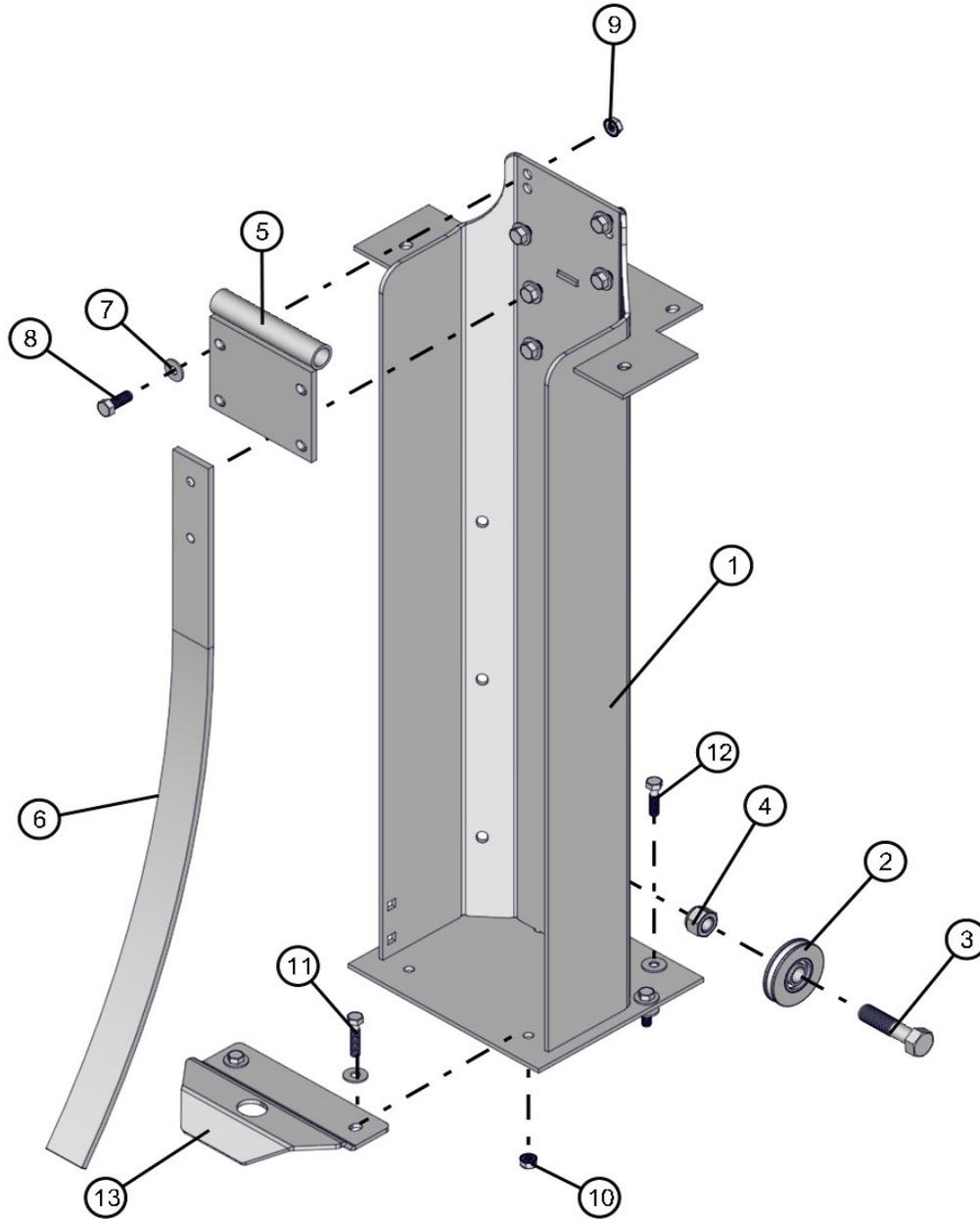
NO	QTY	PARTNO	DESCRIPTION
1	1	102782P	PIVOT SECTION
2	1	090164	DEATH OR INJURY DECAL
3	1	320185	WINCH CABLE
4	1	330450	LOCKING PIN
5	1	102944	SPRING
6	1	045156	1/4 X 2 SPRING ROLL PIN
7	1	046286	3/4-10 X 6 1/2 HEX HEAD CS GR5 PL
8	1	044058	3/4-10 NYLOCK HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

PEDESTAL MANUAL WINCH TOWER (NEW)

NIGHT LITE PRO II

4/27/2012

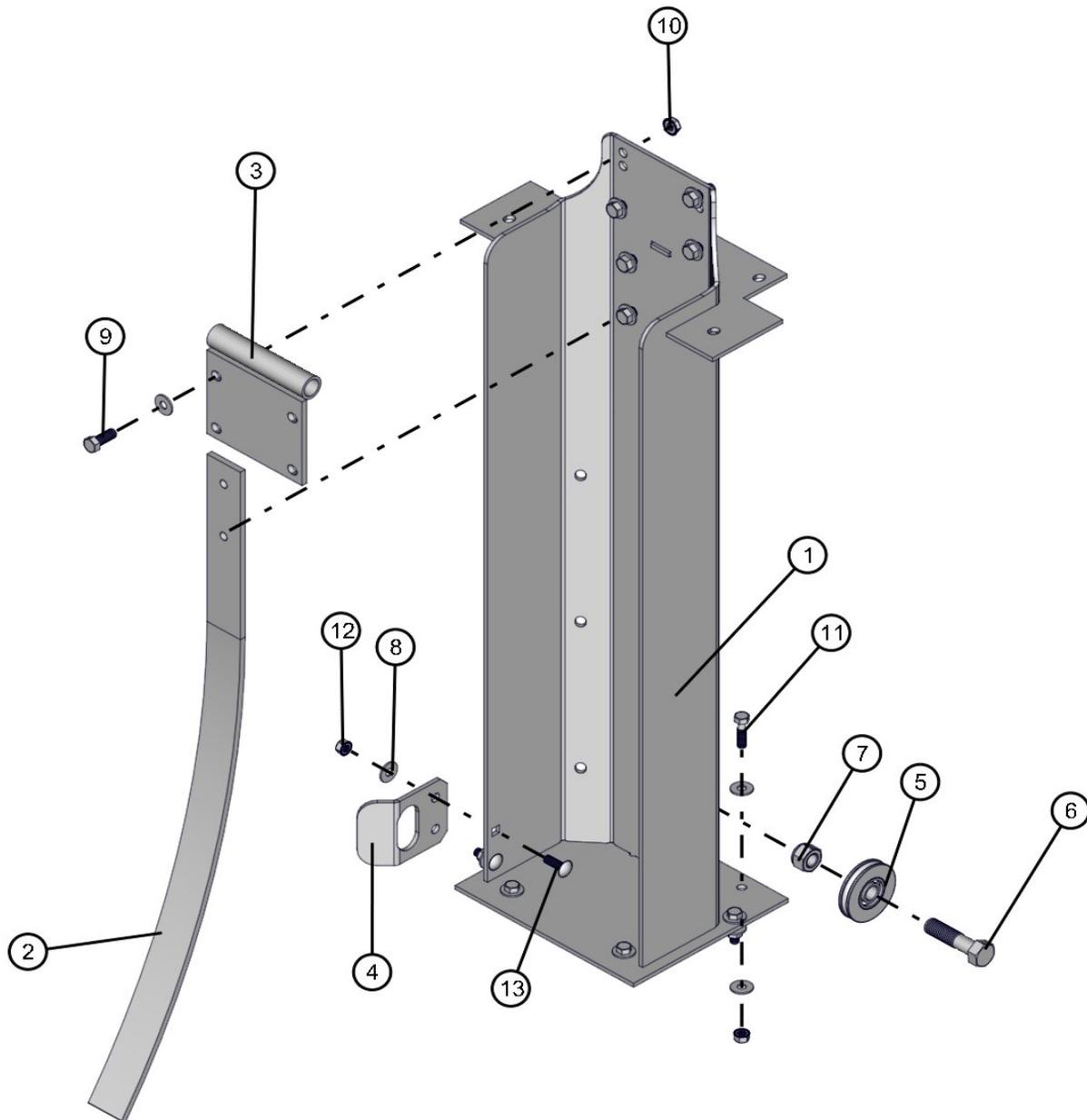


NO	QTY	PARTNO	DESCRIPTION
1	1	102766P	TOWER PEDESTAL
2	1	100160	2 1/2 PULLEY BALL BEARING
3	1	046243	5/8-11 X 2 1/2 HEX HEAD CS PL
4	1	044053	5/8-11 NYLOCK HEX NUT PL
5	1	650111P	PIVOT PLATE
6	1	630555P	SPRING
7	18	047010	5/16 FLAT WASHER PL
8	6	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
9	6	044036	3/8-16 KEPS HEX NUT PL
10	6	044031	5/16 -18 KEPS HEX NUT PL
11	2	046060	5/16-18 X 1 1/2 HEX HEAD CS GR5 PL
12	4	046055	5/16-18 X 1 1/4 HEX HEAD CS GR5 PL
13	1	102839P	PIN CATCH

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

PEDESTAL MANUAL WINCH TOWER (OLD) NIGHT LITE PRO II

4/27/2012



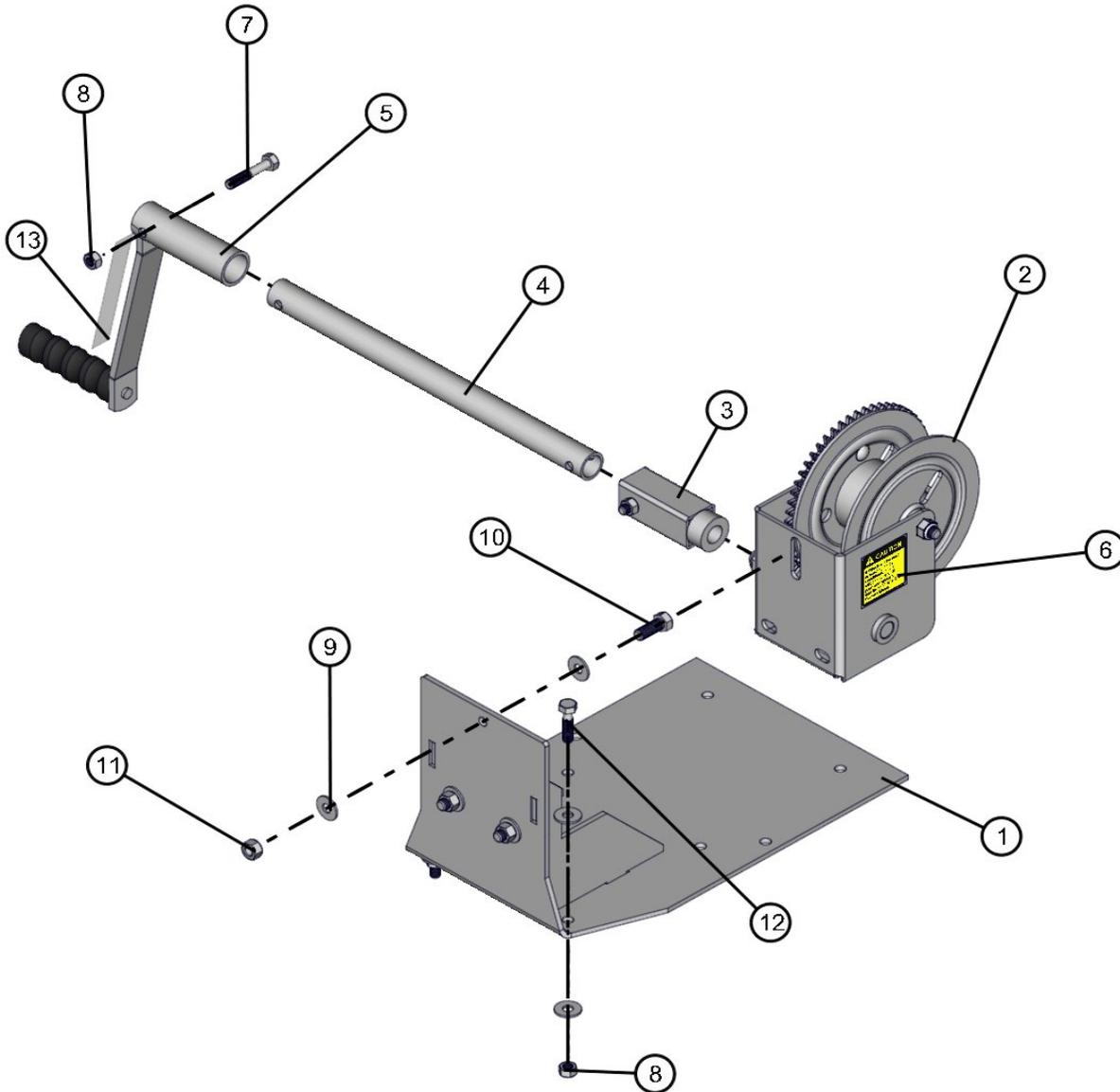
NO	QTY	PARTNO	DESCRIPTION
1	1	102766P	TOWER PEDESTAL
2	1	630555P	SPRING
3	1	650111P	PIVOT PLATE
4	1	102754P	LATCH
5	1	100160	2 1/2 PULLEY BALL BEARING
6	1	046243	5/8-11 X 2 1/2 HEX HEAD CS PL
7	1	044053	5/8-11 NYLOCK HEX NUT PL
8	20	047010	5/16 FLAT WASHER PL
9	6	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
10	6	044036	3/8-16 KEPS HEX NUT PL
11	6	046055	5/16-18 X 1 1/4 HEX HEAD CS GR5 PL
12	8	044031	5/16 -18 KEPS HEX NUT PL
13	2	053020	5/16-18 X 1 CARRIAGE BOLT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

MANUAL WINCH - NON CONTAINMENT TRAY

NIGHT LITE PRO II

4/27/2012



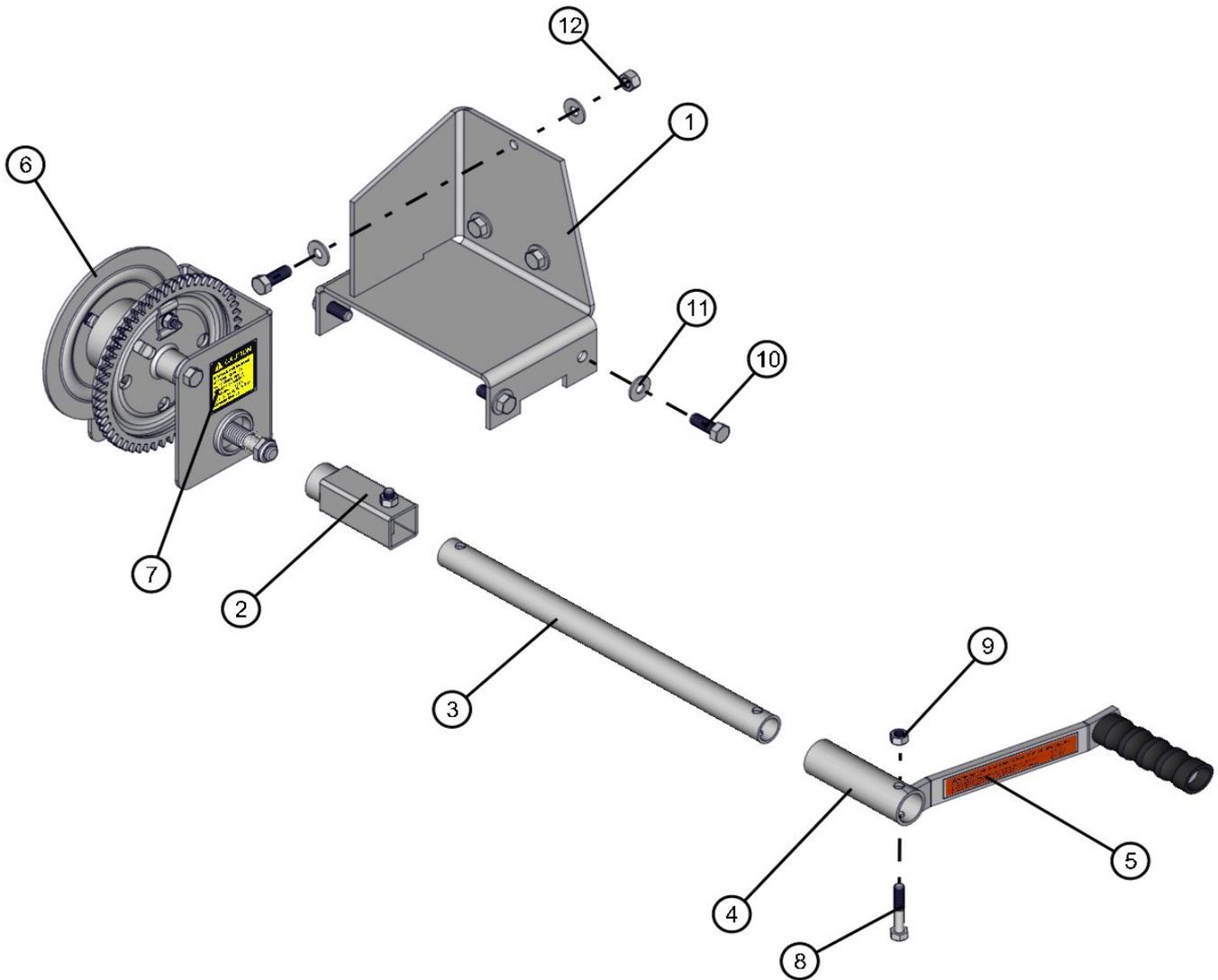
NO	QTY	PARTNO	DESCRIPTION
1	1	102842P	WINCH MOUNT
2	1	610531	DLB-1200 LB WINCH
3	1	660144P	DRIVE HUB
4	1	102753	EXTENSION
5	1	680833	7 3/8 WINCH HANDLE
6	1	090474	WINCH CAUTION DECAL
7	2	046065	5/16-18 X 1 3/4 HEX HEAD CS GR5 PL
8	4	044030	5/16-18 HEX NUT PL
9	10	047010	5/16 FLAT WASHER PL
10	3	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
11	3	044035	3/8-16 HEX NUT PL
12	2	046055	5/16-18 X 1 1/4 HEX HEAD CS GR5 PL
13	1	204358C	WINCH ACCIDENT DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

MANUAL WINCH - CONTAINMENT TRAY

NIGHT LITE PRO II

4/27/2012

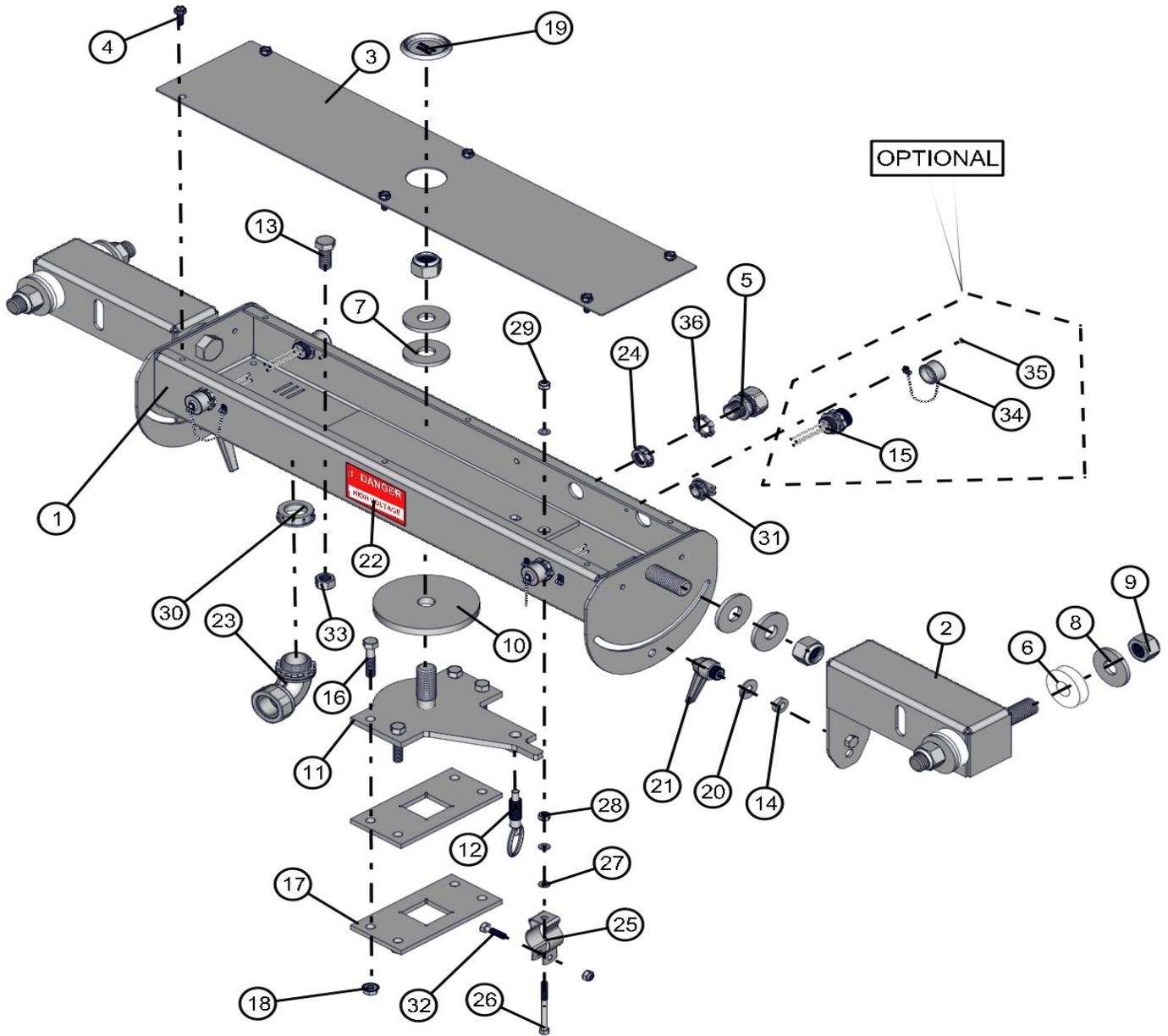


NO	QTY	PARTNO	DESCRIPTION
1	1	102770P	WINCH MOUNT
2	1	660144P	DRIVE HUB
3	1	102753	EXTENSION
4	1	680833	7 3/8 WINCH HANDLE
5	1	204358C	WINCH ACCIDENT DECAL
6	1	610531	DLB-1200 LB WINCH
7	1	090474	WINCH CAUTION DECAL
8	2	046065	5/16-18 X 1 3/4 HEX HEAD CS GR5 PL
9	2	044030	5/16-18 HEX NUT PL
10	7	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
11	10	047010	5/16 FLAT WASHER PL
12	3	044035	3/8-16 HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

ROTATIONAL LIGHT BAR VERTICAL TOWER NIGHT LITE PRO II

4/27/2012



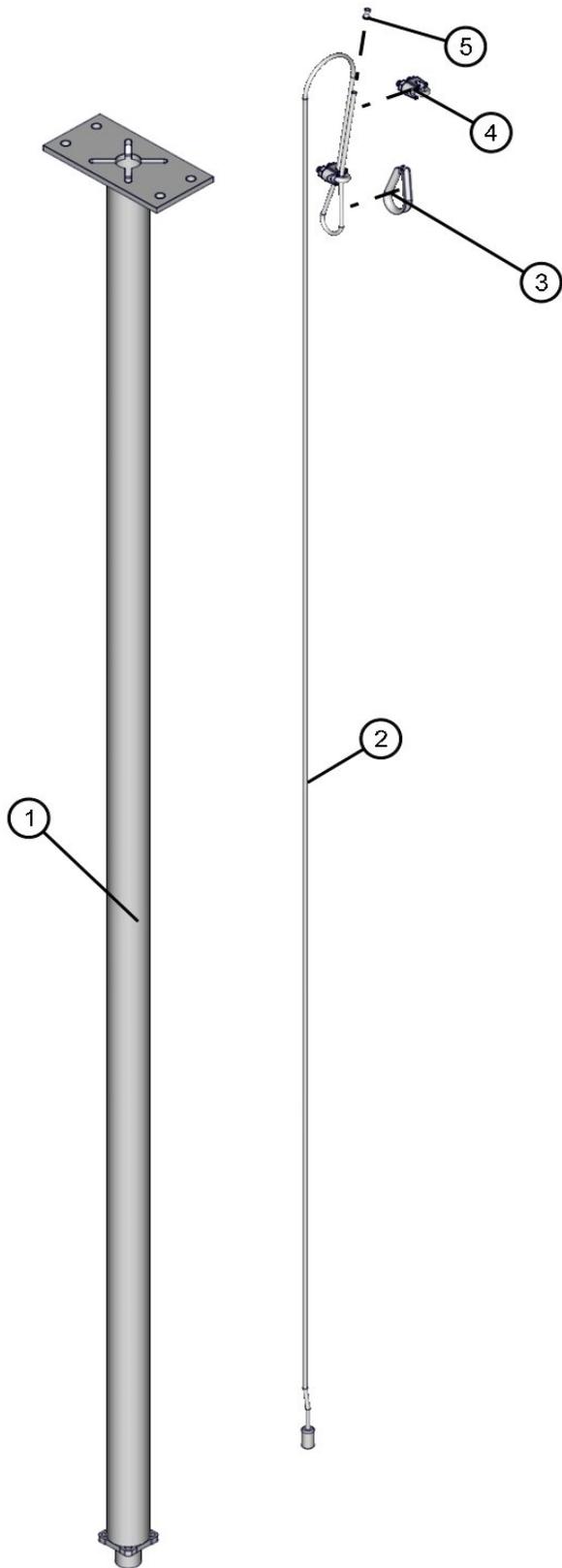
NO	QTY	PARTNO	DESCRIPTION
1	1	101930P	LIGHT BAR
2	2	101931P	LAMP MOUNT
3	1	101929P	COVER
4	6	041070	1/4-20 x 3/4 SL-HEX WASHER HEAD MS TP F
5	1	310033	1/2 CORD GRIP
6	4	101813	.781 ID x 2 OD x 1/2 HDPE WASHER
7	3	650550	.785" x 2" HDPE WASHER
8	7	047035	3/4 FLAT WASHER PL
9	7	044058	3/4-10 NYLOCK HEX NUT PL
10	1	100147	UHMW BEARING
11	1	100143-15	ROTATION MOUNT
12	1	100148	SPRING LOCK 1/2-13 X 1.4
13	1	046180	1/2-13 X 1 1/4 HEX HEAD CS GR5 PL
14	2	047019	3/4 OD X .385 ID NYLON BUSHING
15	4	310414	QD CONNECTOR FEMALE
16	4	046126	3/8-16 x 1 3/4 HEX HEAD CS GR5 PL
17	2	100104P	BRACKET
18	4	044036	3/8-16 KEPS HEX NUT PL
19	1	680878	1 3/4 CAPLUG

NO	QTY	PARTNO	DESCRIPTION
20	2	047015	3/8 FLAT WASHER PL
21	2	102361	ADJUSTABLE LEVER
22	2	090002	HIGH VOLTAGE DECAL
23	1	102979	CORD GRIP 90° ELBOW
24	1	022415	1/2 INSULATING BUSHING
25	1	100474	1" CONDUIT HANGER
26	1	046037	1/4-20 x 2 3/4 HEX HEAD CS GR5 PL
27	3	047009	1/4 FLAT WASHER SAE SS
28	1	044020	1/4-20 HEX NUT PL
29	2	044023	1/4-20 NYLOCK HEX NUT PL
30	1	101672	1" INSULATING BUSHING
31	4	022020	3/8 2 SCREW CLAMP
32	1	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
33	1	044045	1/2-13 HEX NUT PL
34	4	310413	CAP
35	4	045116	1/8 X 1/4 BLIND RIVET
36	1	022035	1/2 CORD GRIP NUT

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 6 VERTICAL TOWER NIGHT LITE PRO II

4/27/2012

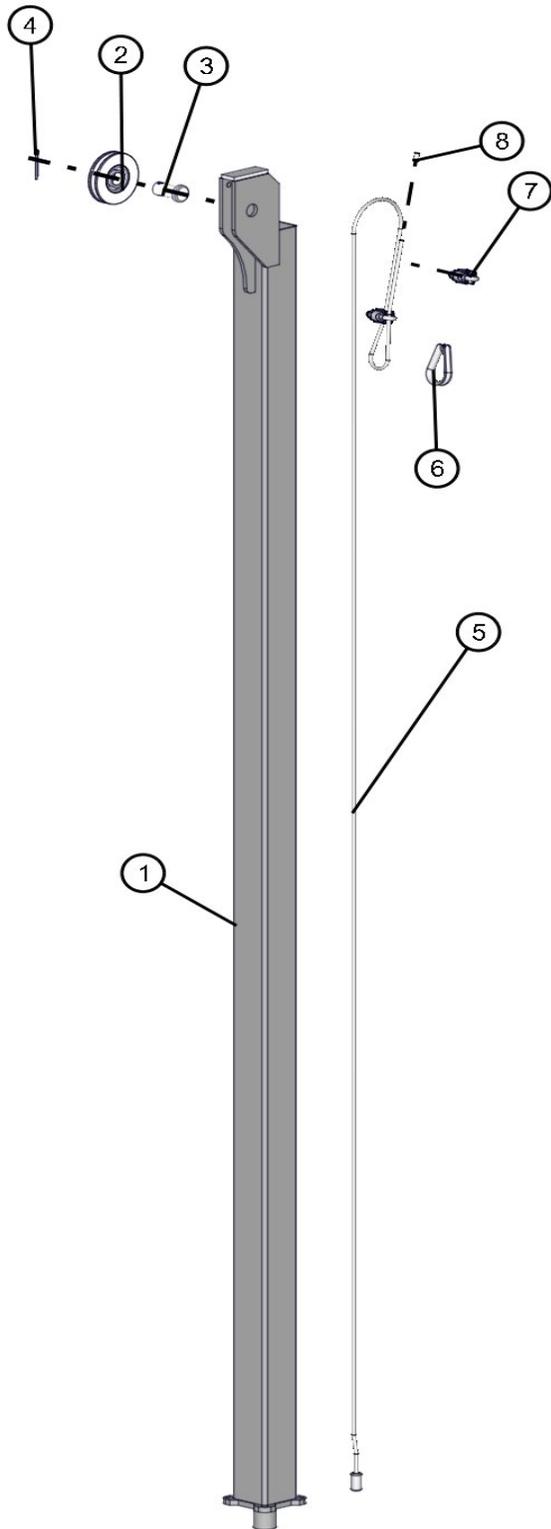


NO	QTY	PARTNO	DESCRIPTION
1	1	102972P	ROUND SECTION
2	1	350185	3/16 CABLE X 10'
3	1	045040	1/4 CABLE THIMBLE
4	2	620084	1/4 CABLE CLIP
5	1	022150	FERRULE 10-12 AWG

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 5 VERTICAL TOWER NIGHT LITE PRO II

4/27/2012

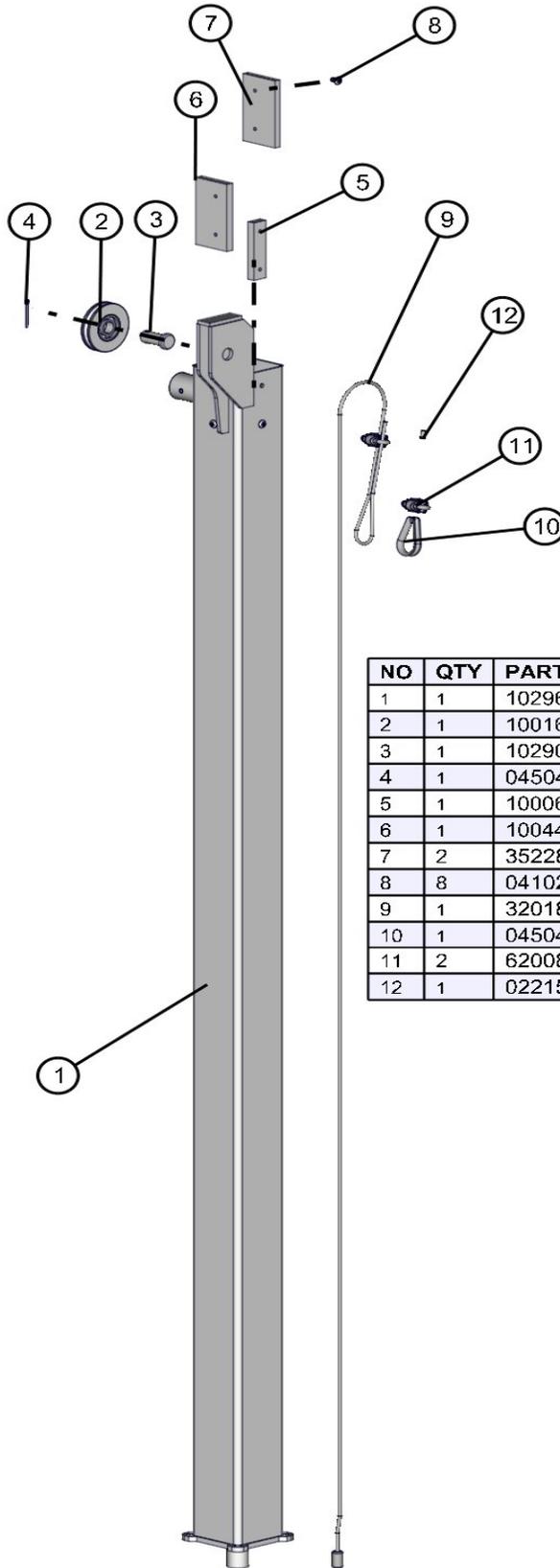


NO	QTY	PARTNO	DESCRIPTION
1	1	102968P	2" SECTION
2	1	100160	2 1/2 PULLEY BALL BEARING
3	1	102906	5/8 X 1 1/4 CLEVIS PIN
4	1	045045	5/32 X 1 1/2 COTTER PIN
5	1	320185	3/16 CABLE X 10'
6	1	045040	1/4 CABLE THIMBLE
7	2	620084	1/4 CABLE CLIP
8	1	022150	FERRULE 10-12 AWG

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 4 VERTICAL TOWER NIGHT LITE PRO II

4/27/2012

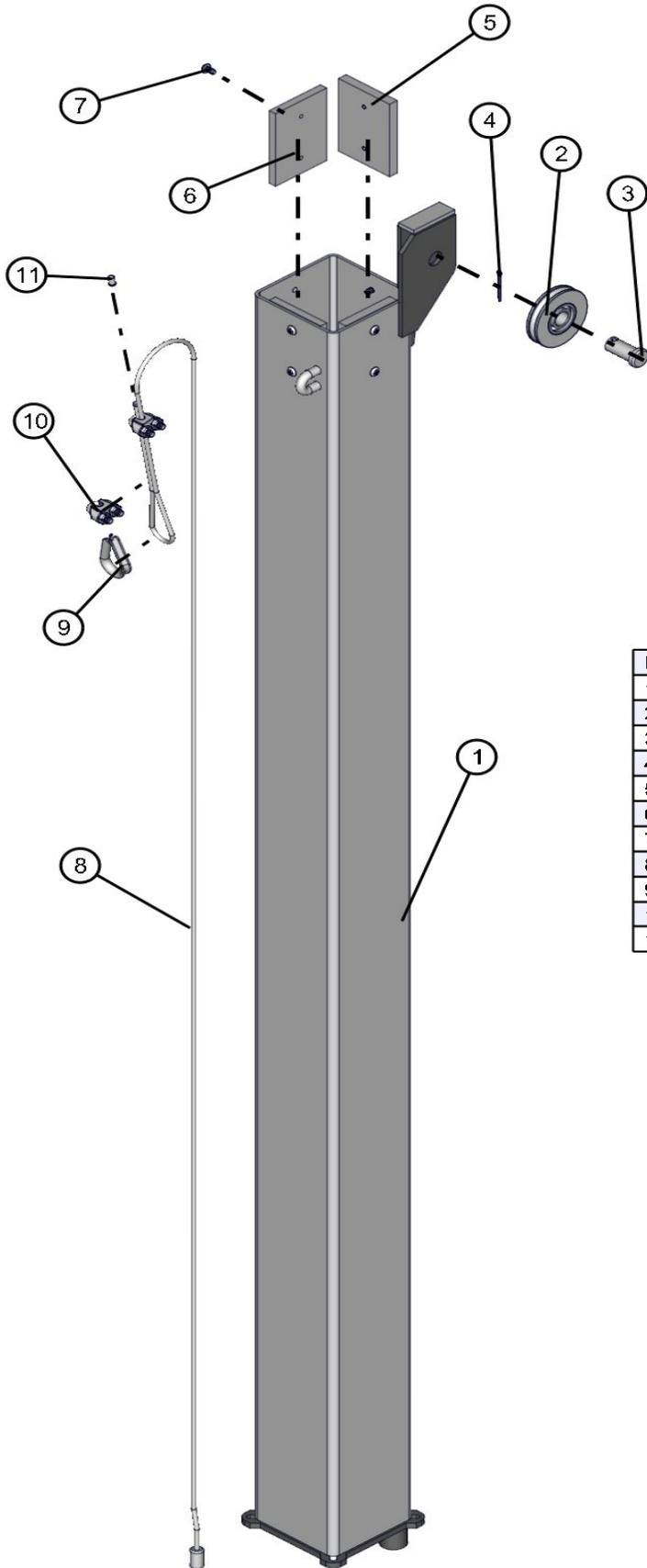


NO	QTY	PARTNO	DESCRIPTION
1	1	102965P	3" SECTION
2	1	100160	2 1/2 PULLEY BALL BEARING
3	1	102906	5/8 X 1 1/4 CLEVIS PIN
4	1	045045	5/32 X 1 1/2 COTTER PIN
5	1	100062	3/8 UHMW SPACER
6	1	100446	3/8 PAD
7	2	352280	5/16 PAD
8	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
9	1	320185	3/16 CABLE X 10'
10	1	045040	1/4 CABLE THIMBLE
11	2	620084	1/4 CABLE CLIP
12	1	022150	FERRULE 10-12 AWG

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 3 VERTICAL TOWER NIGHT LITE PRO II

4/27/2012

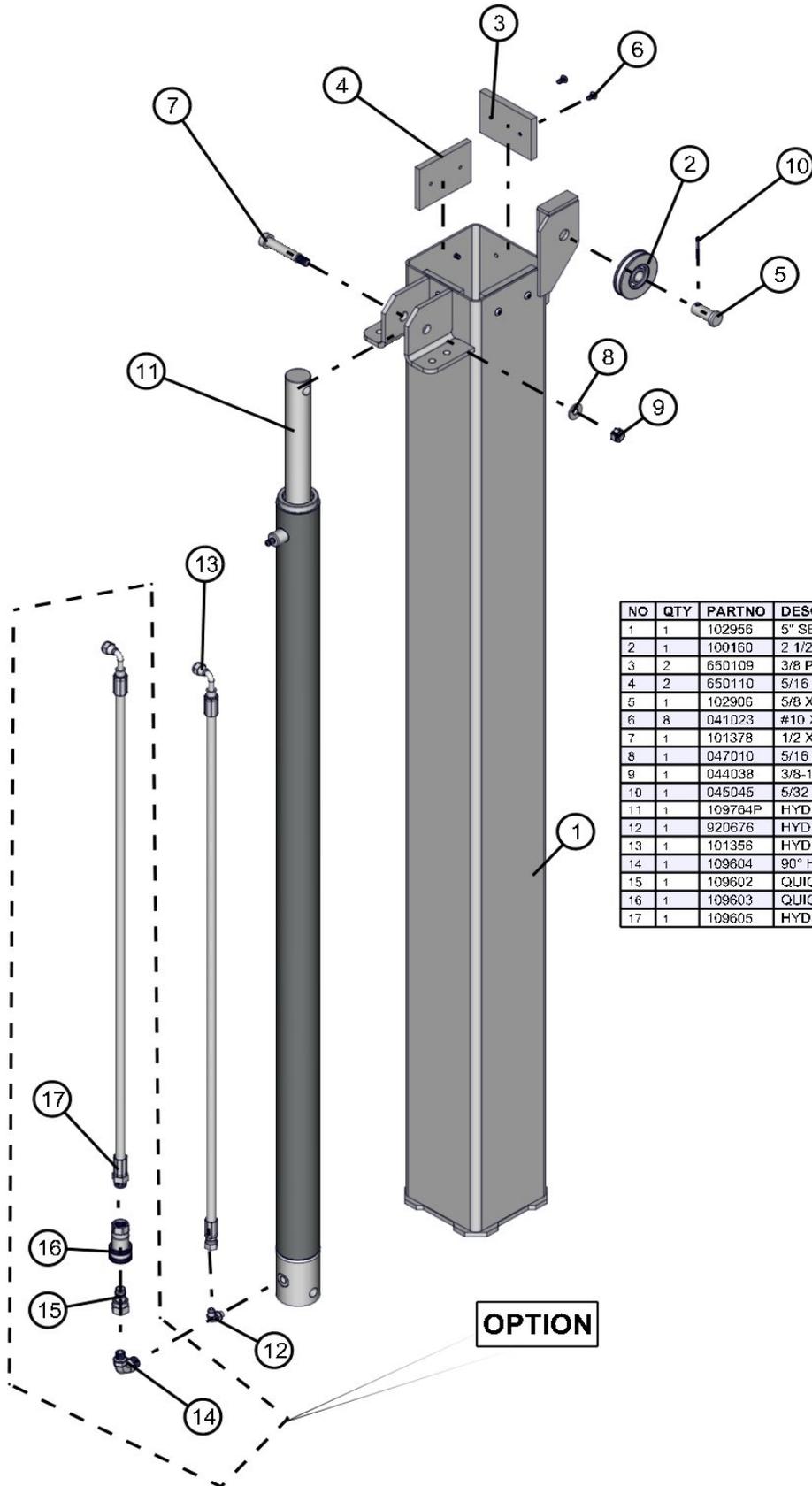


NO	QTY	PARTNO	DESCRIPTION
1	1	102961P	4" SECTION
2	1	100160	2 1/2 PULLEY BALL BEARING
3	1	102906	5/8 X 1 1/4 CLEVIS PIN
4	1	045045	5/32 X 1 1/2 COTTER PIN
5	2	650109	3/8 PAD
6	2	650110	5/16 PAD
7	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
8	1	320185	3/16 CABLE X 10'
9	1	045040	1/4 CABLE THIMBLE
10	2	620084	1/4 CABLE CLIP
11	1	022150	FERRULE 10-12 AWG

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 2 VERTICAL TOWER NIGHT LITE PRO II

4/27/2012

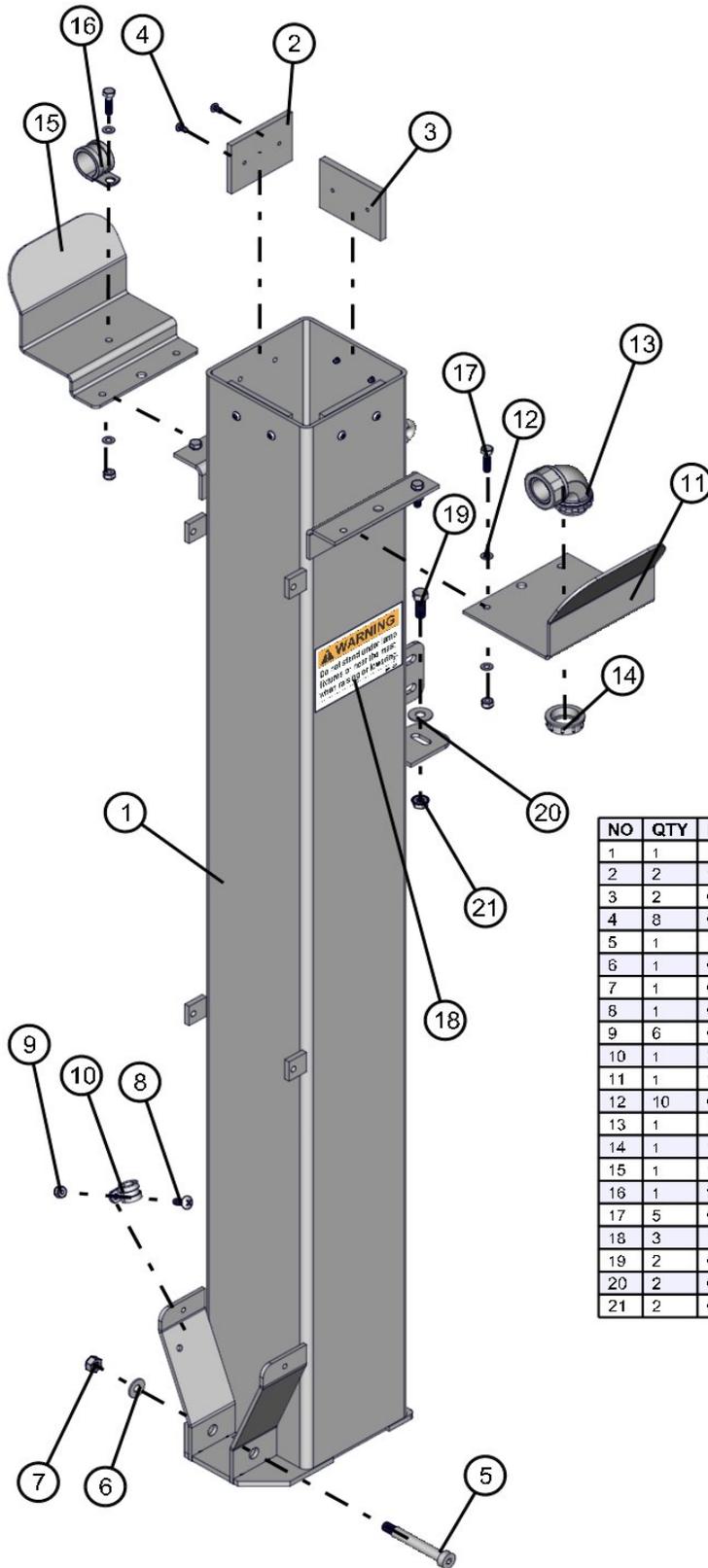


NO	QTY	PARTNO	DESCRIPTION
1	1	102956	5" SECTION
2	1	100160	2 1/2 PULLEY BALL BEARING
3	2	650109	3/8 PAD
4	2	650110	5/16 PAD
5	1	102906	5/8 X 1 1/4 CLEVIS PIN
6	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
7	1	101378	1/2 X 2 (3/8-16 X 5/8) HX-SOCKET HEAD SHOULDER BOLT
8	1	047010	5/16 FLAT WASHER PL
9	1	044038	3/8-16 NYLOCK HEX NUT PL
10	1	045045	5/32 X 1 1/2 COTTER PIN
11	1	109764P	HYDRAULIC CYLINDER
12	1	920676	HYD FITTING
13	1	101356	HYDRAULIC HOSE
14	1	109604	90° HYD FITTING
15	1	109602	QUICK COUPLING MALE
16	1	109603	QUICK COUPLING FEMALE
17	1	109605	HYDRAULIC HOSE

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 1 VERTICAL TOWER NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	102951P	6" SECTION
2	2	102954	1/4 PAD
3	2	650110	5/16 PAD
4	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
5	1	101379	1/2 X 2 3/4 (3/8-16 X 5/8) HX-SOCKET HEAD SHOULDER BOLT
6	1	047010	5/16 FLAT WASHER PL
7	1	044038	3/8-16 NYLOCK HEX NUT PL
8	1	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
9	6	044023	1/4-20 NYLOCK HEX NUT PL
10	1	310212	#10 CUSH CLAMP 1/4 HOLE
11	1	102977P	BRACKET
12	10	047009	1/4 FLAT WASHER SAE SS
13	1	102979	CORD GRIP 90° ELBOW
14	1	101672	1" INSULATING BUSHING
15	1	102978P	CLAMP PLATE
16	1	920366	#16 CUSH CLAMP
17	5	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
18	3	101404	DO NOT STAND DECAL
19	2	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
20	2	047015	3/8 FLAT WASHER PL
21	2	044036	3/8-16 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

INSTRUCTIONS FOR REPLACING STEEL CABLES

NIGHT LITE PRO II

4/27/2012

HYDRAULIC VERTICAL TOWER

Section 6 -

- Remove cable clamps (2) from section 4.
- Remove section 6.
- Remove all broken and frayed cable.
- Replace new cable into slot in the bottom of section 6.
- Replace section 6 into section 5.
- Route cable through pulley bracket on section 5.
- With all sections pushed together tight, insert cable through half-link on section 5.
- Replace cable clips.

Section 5 -

- Remove cable clamps (2) from section 3.
- Remove machine screws (8) and pads (4) from section 4. *Being careful not to drop them into lower tower sections*
- Remove section 5.
- Remove all broken and frayed cable.
- Replace new cable into slot in the bottom of section 5.
- Replace section 5 into section 4.
- Route cable through pulley bracket on section 4.
- With all sections pushed together tight, insert cable through half-link on section 3.
- Replace cable clips.
- Replace tower pads and screws. *Be careful not to drop them into lower tower sections.*

Section 4 -

- Remove cable clamps (2) from section 2.
- Remove machine screws (8) and pads (4) from section 3. *Being careful not to drop into lower tower sections*
- Remove section 4.
- Remove all broken and frayed cable.
- Replace new cable into slot in the bottom of section 4.
- Replace section 4 into section 3.
- Route cable through pulley bracket on section 3.
- With all sections pushed together tight, insert cable through half-link on section 2.
- Replace cable clips.
- Replace tower pads and screws. *Be careful not to drop them into lower tower sections.*

INSTRUCTIONS FOR REPLACING STEEL CABLES

NIGHT LITE PRO II

4/27/2012

HYDRAULIC VERTICAL TOWER

Section 3 -

Remove cable clamps (2) from section 1.

Remove machine screws (8) and pads (4) from section 2. *Being care full not to drop into lower tower sections*

Remove section 3.

Remove all broken and frayed cable.

Replace new cable into slot in the bottom of section 3.

Replace section 3 into section 2.

Route cable through pulley bracket on section 2.

With all sections pushed together tight, insert cable through half-link on section 1.

Replace cable clips.

Replace tower pads and screws. *Be careful not to drop them into lower tower sections.*

Note:

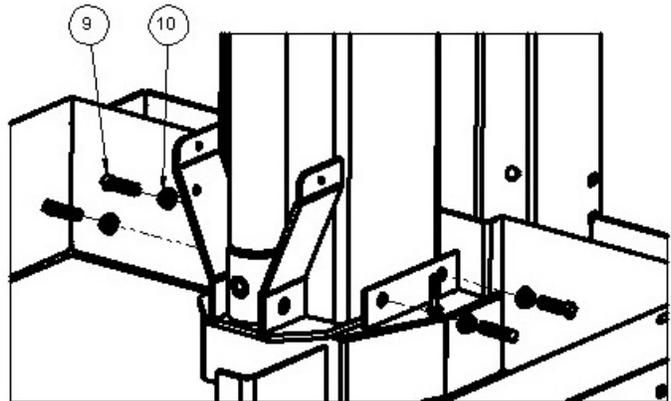
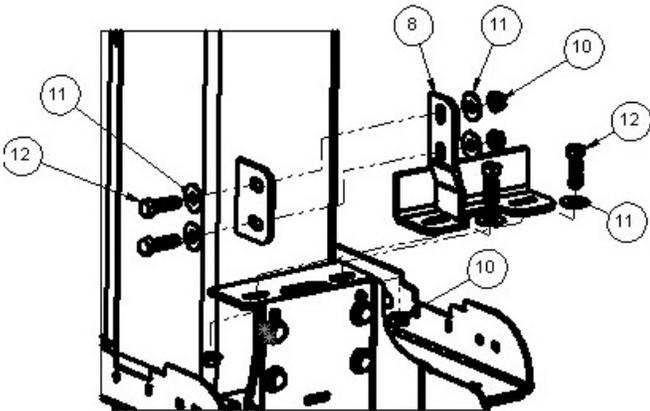
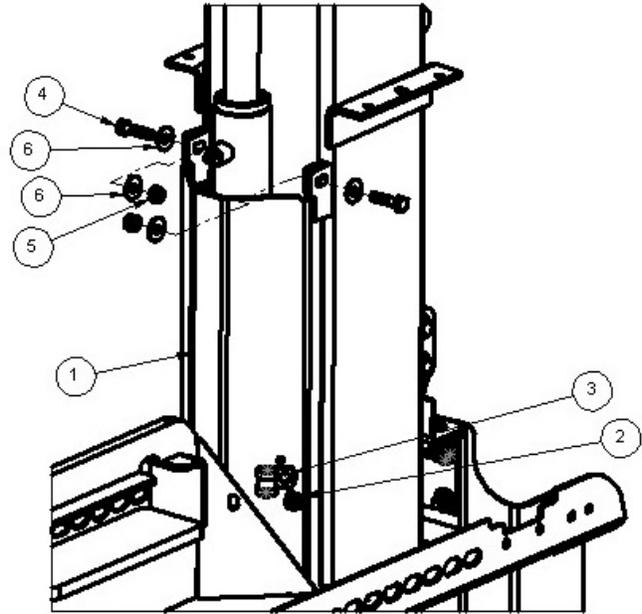
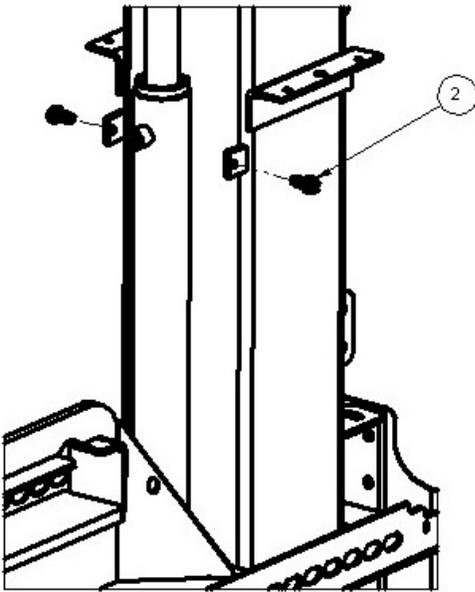
If broken cable, tower pads or pad screw happen to fall into lower sections they must be retrieved . Damage to tower sections or other moving parts may occur.

Note:

When replacing tower section cables, the tower sections above the cable being replaced should be removed.

VERTICAL TOWER MOUNT BRACE NIGHT LITE PRO II

4/27/2012

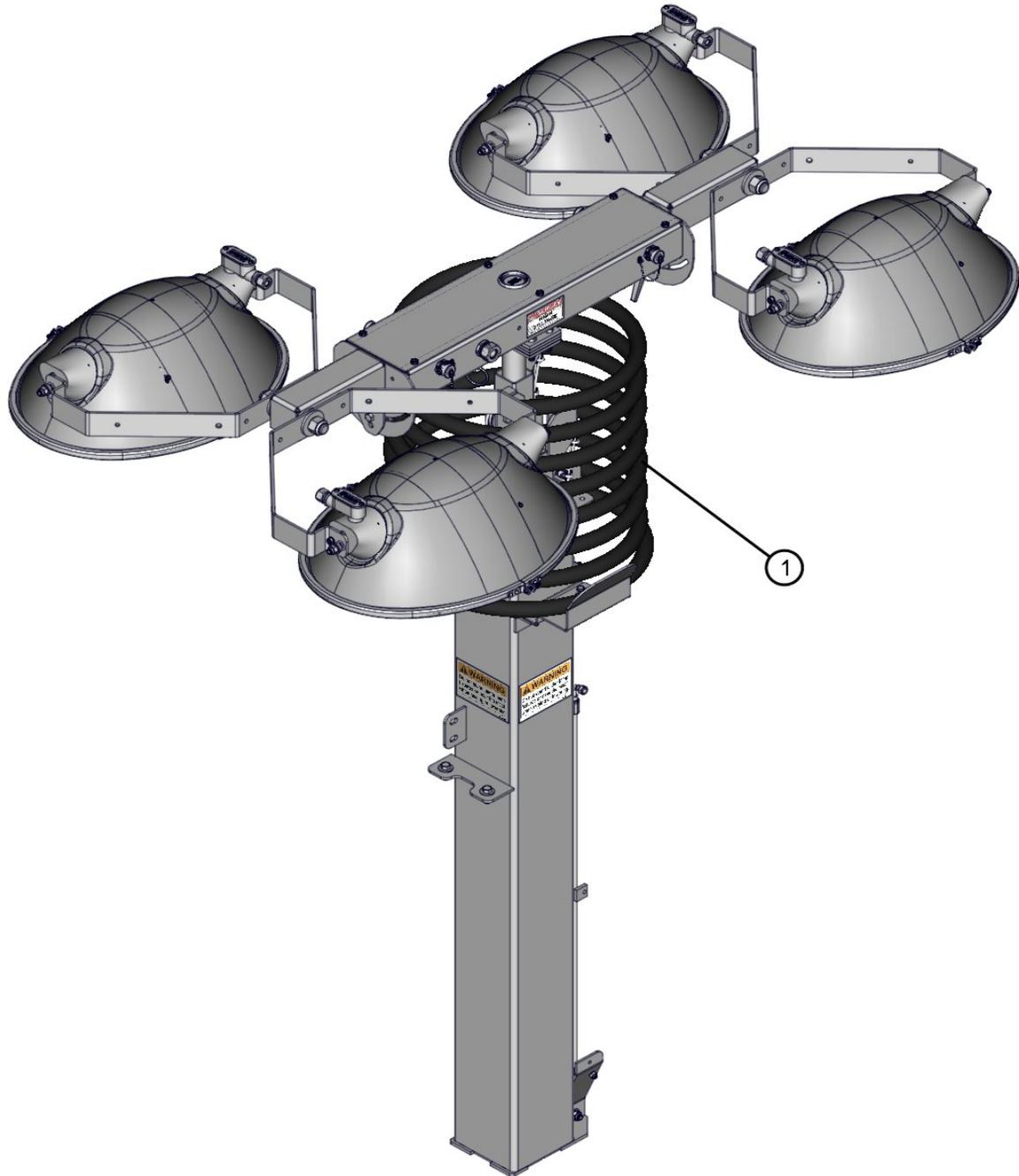


NO.	QTY.	PART NO.	DESCRIPTION
1	1	103378	BRACE
2	3	41075	5/16-18 X 3/4 SL-HEX WASHER HEAD TP F
3	1	22018	#8 CUSH CLAMP
4	2	46055	5/16-18 X 1 1/4 HEX HEAD CS GR5 PL
5	2	44031	5/16 -18 KEPS HEX NUT PL
6	4	47010	5/16 FLAT WASHER PL
7	1	103662	INSTRUCTIONS
8	1	101410	TOWER MOUNT
9	4	40010	SET SCREW
10	8	44036	3/8-16 KEPS HEX NUT PL
11	6	47015	3/8 FLAT WASHER PL
12	4	46115	3/8-16 X 1 1/4 HEX HEAD CS GR5 PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

NYCOIL VERTICAL TOWER NIGHT LITE PRO II

4/27/2012



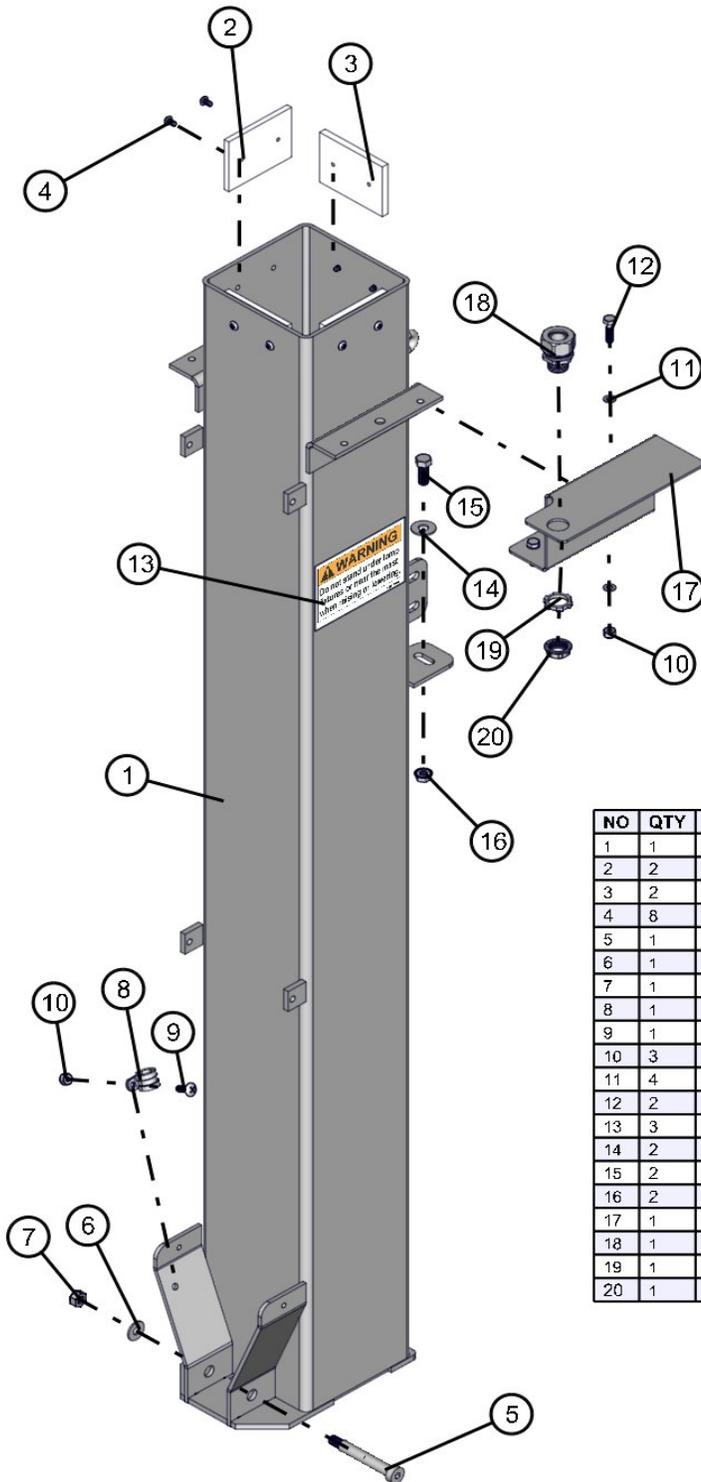
NO	QTY	PARTNO	DESCRIPTION
1	1	101183	1 1/4 NYCOIL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 1 VERTICAL TOWER CORD REEL

NIGHT LITE PRO II

4/27/2012

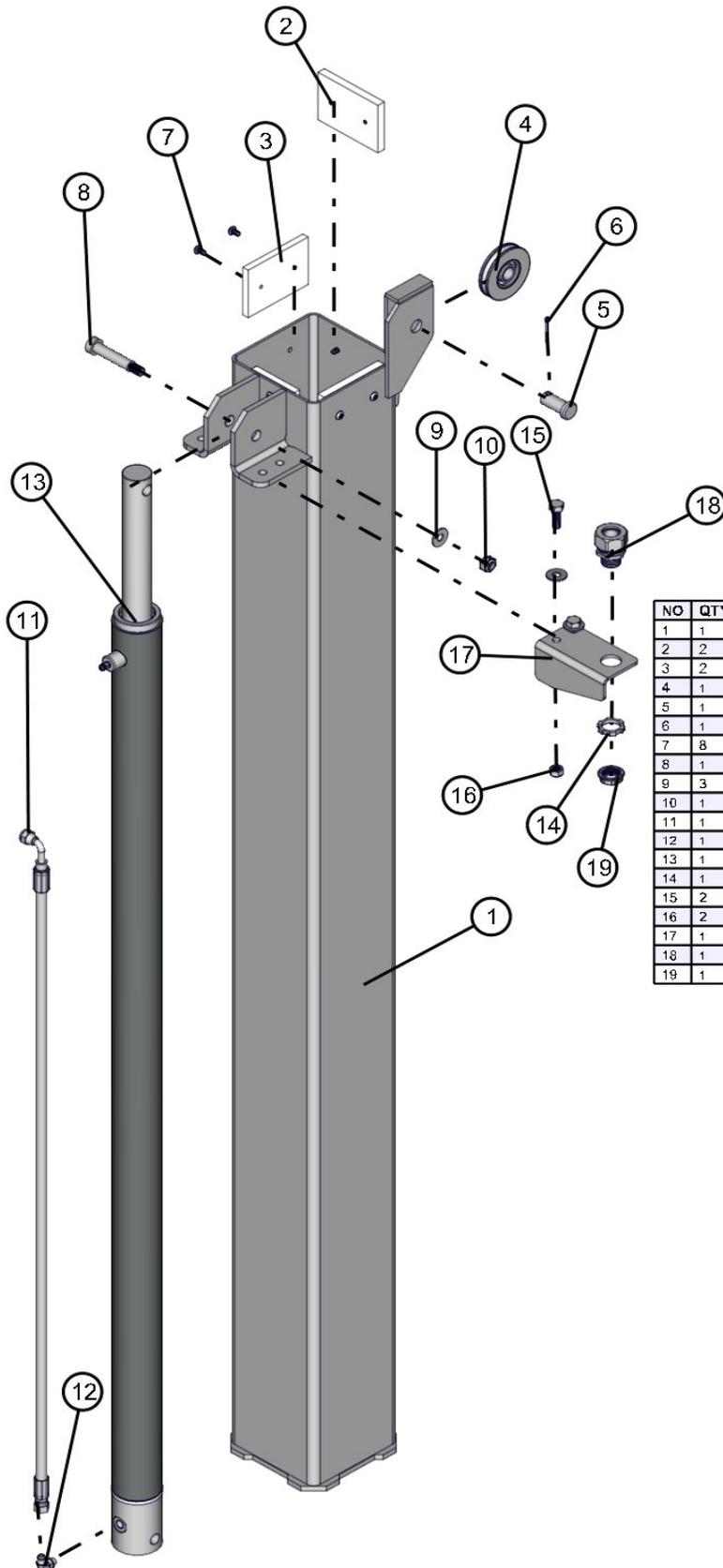


NO	QTY	PARTNO	DESCRIPTION
1	1	102951P	6" SECTION
2	2	102954	1/4 PAD
3	2	650110	5/16 PAD
4	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
5	1	101379	1/2 X 2 3/4 (3/8-16 X 5/8) HX-SOCKET HEAD SHOULDER BOLT
6	1	047010	5/16 FLAT WASHER PL
7	1	044036	3/8-16 NYLOCK HEX NUT PL
8	1	310212	#10 CUSH CLAMP 1/4 HOLE
9	1	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
10	3	044023	1/4-20 NYLOCK HEX NUT PL
11	4	047009	1/4 FLAT WASHER SAE SS
12	2	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
13	3	101404	DO NOT STAND DECAL
14	2	047015	3/8 FLAT WASHER PL
15	2	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
16	2	044036	3/8-16 KEPS HEX NUT PL
17	1	103301P	BRACKET
18	1	310033	1/2 CORD GRIP
19	1	022035	1/2 CORD GRIP NUT
20	1	022415	1/2 INSULATING BUSHING

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 2 VERTICAL TOWER CORD REEL NIGHT LITE PRO II

4/27/2012

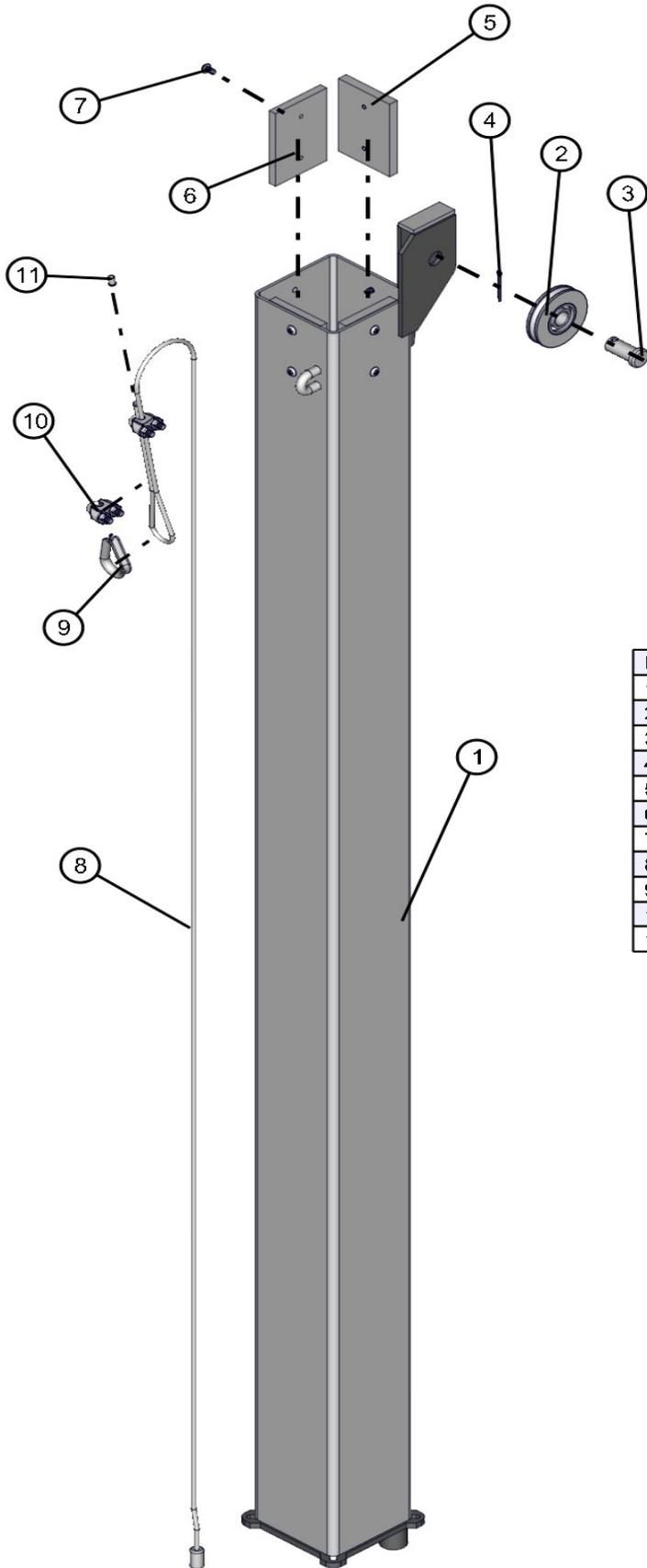


NO	QTY	PARTNO	DESCRIPTION
1	1	102956	5" SECTION
2	2	650109	3/8 PAD
3	2	650110	5/16 PAD
4	1	100160	2 1/2 PULLEY BALL BEARING
5	1	102906	5/8 X 1 1/4 CLEVIS PIN
6	1	045045	5/32 X 1 1/2 COTTER PIN
7	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
8	1	101378	1/2 X 2 (3/8-16 X 5/8) HX-SOCKET HEAD SHOULDER BOLT
9	3	047010	5/16 FLAT WASHER PL
10	1	044038	3/8-16 NYLOCK HEX NUT PL
11	1	101356	HYDRAULIC HOSE
12	1	920676	HYD FITTING
13	1	109764P	HYDRAULIC CYLINDER
14	1	022035	1/2 CORD GRIP NUT
15	2	046050	5/16-18 X 1 HEX HEAD CS GR5 PL
16	2	044033	5/16-18 NYLOCK HEX NUT PL
17	1	103190P	CORD GRIP BRACKET
18	1	310033	1/2 CORD GRIP
19	1	022415	1/2 INSULATING BUSHING

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 3 VERTICAL TOWER CORD REEL NIGHT LITE PRO II

4/27/2012

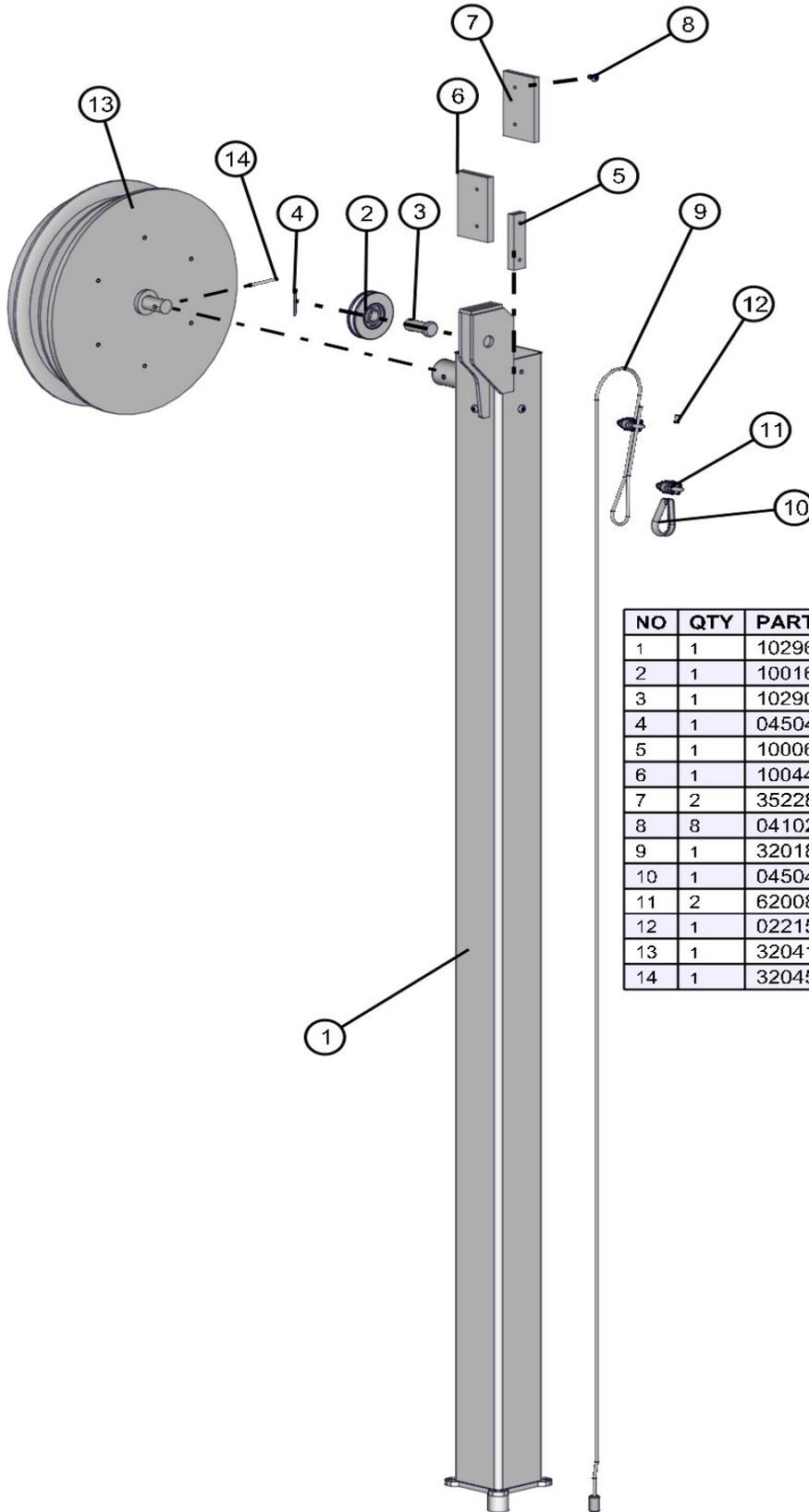


NO	QTY	PARTNO	DESCRIPTION
1	1	102961P	4" SECTION
2	1	100160	2 1/2 PULLEY BALL BEARING
3	1	102906	5/8 X 1 1/4 CLEVIS PIN
4	1	045045	5/32 X 1 1/2 COTTER PIN
5	2	650109	3/8 PAD
6	2	650110	5/16 PAD
7	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
8	1	320185	3/16 CABLE X 10'
9	1	045040	1/4 CABLE THIMBLE
10	2	620084	1/4 CABLE CLIP
11	1	022150	FERRULE 10-12 AWG

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 4 VERTICAL TOWER CORD REEL NIGHT LITE PRO II

4/27/2012

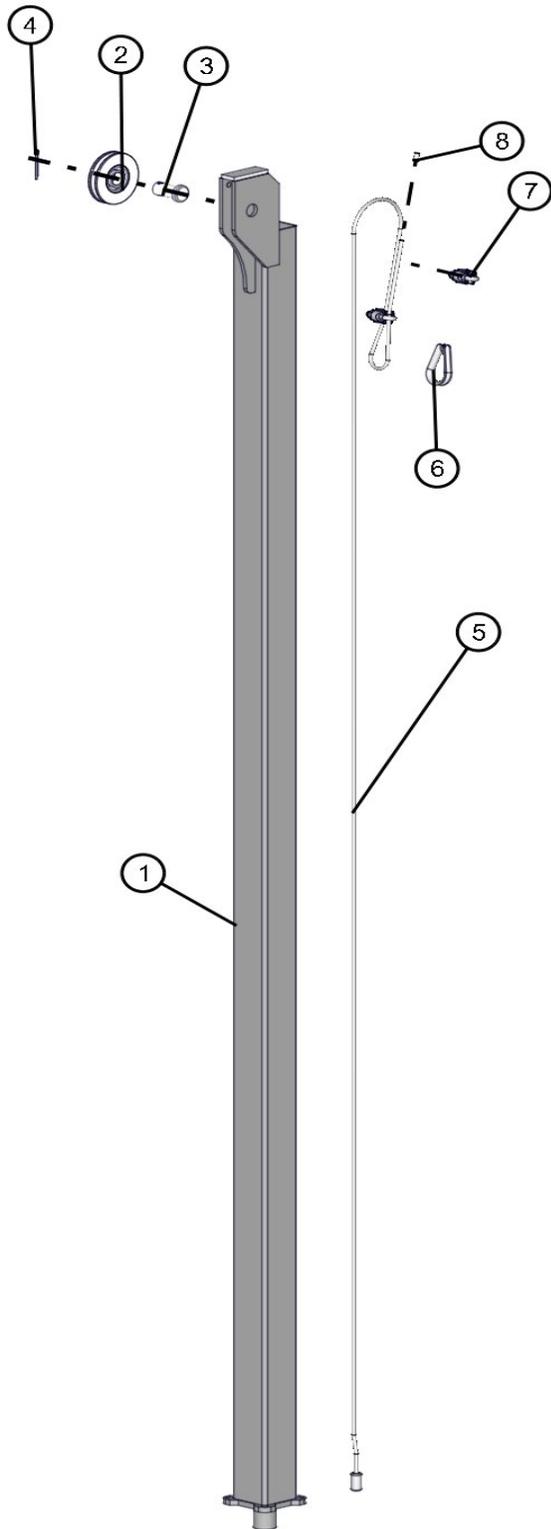


NO	QTY	PARTNO	DESCRIPTION
1	1	102965P	3" SECTION
2	1	100160	2 1/2 PULLEY BALL BEARING
3	1	102906	5/8 X 1 1/4 CLEVIS PIN
4	1	045045	5/32 X 1 1/2 COTTER PIN
5	1	100062	3/8 UHMW SPACER
6	1	100446	3/8 PAD
7	2	352280	5/16 PAD
8	8	041023	#10 X 3/8 PH-ROUND HEAD MS PL
9	1	320185	3/16 CABLE X 10'
10	1	045040	1/4 CABLE THIMBLE
11	2	620084	1/4 CABLE CLIP
12	1	022150	FERRULE 10-12 AWG
13	1	320410P	CORD REEL (OPTION)
14	1	320453	3/16 X 1 3/4 SPRING ROLL PIN

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 5 VERTICAL TOWER CORD REEL NIGHT LITE PRO II

4/27/2012

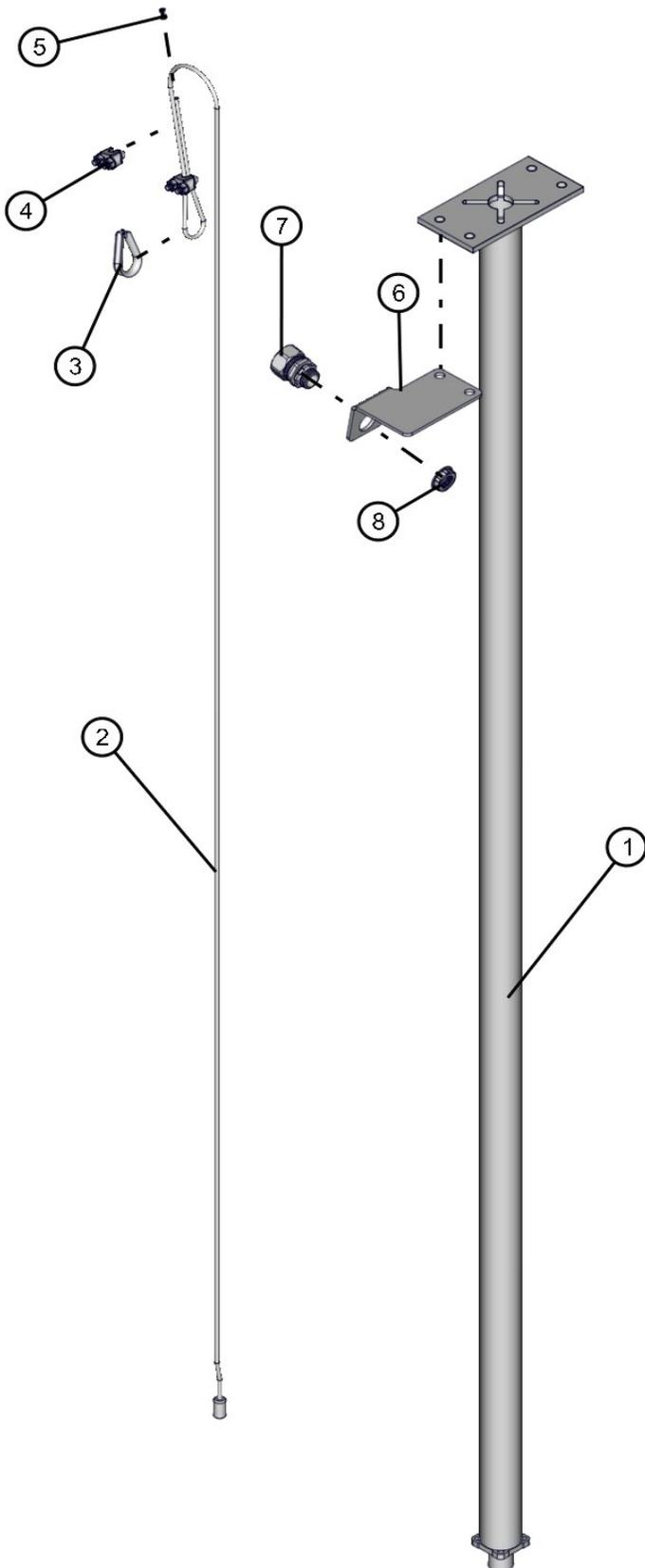


NO	QTY	PARTNO	DESCRIPTION
1	1	102968P	2" SECTION
2	1	100160	2 1/2 PULLEY BALL BEARING
3	1	102906	5/8 X 1 1/4 CLEVIS PIN
4	1	045045	5/32 X 1 1/2 COTTER PIN
5	1	320185	3/16 CABLE X 10'
6	1	045040	1/4 CABLE THIMBLE
7	2	620084	1/4 CABLE CLIP
8	1	022150	FERRULE 10-12 AWG

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SECTION 6 VERTICAL TOWER CORD REEL NIGHT LITE PRO II

4/27/2012



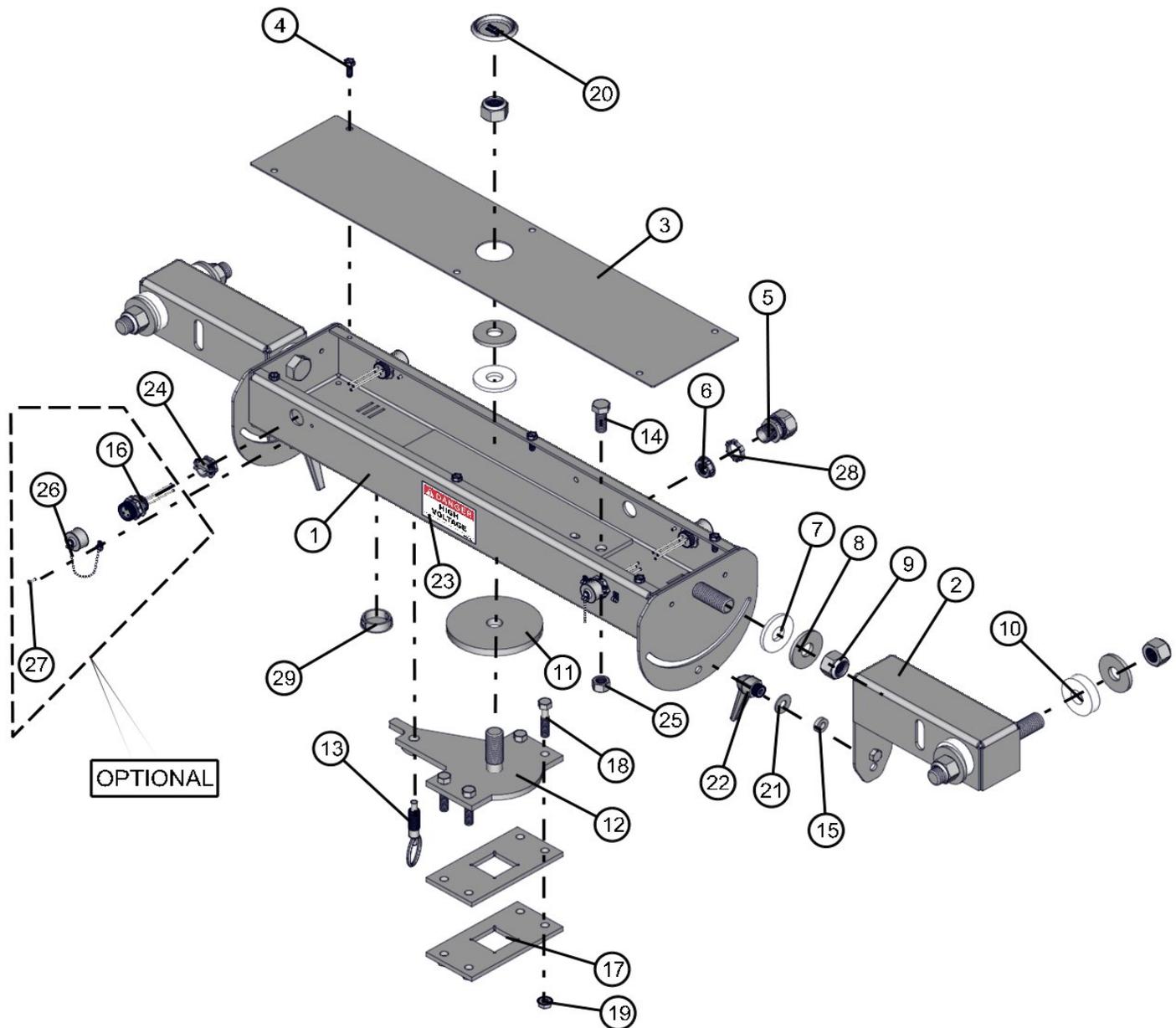
NO	QTY	PARTNO	DESCRIPTION
1	1	102972P	ROUND SECTION
2	1	350185	3/16 CABLE X 10'
3	1	045040	1/4 CABLE THIMBLE
4	2	620084	1/4 CABLE CLIP
5	1	022150	FERRULE 10-12 AWG
6	1	103191P	BRACKET
7	1	310033	1/2 CORD GRIP
8	1	022415	1/2 INSULATING BUSHING

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

ROTATIONAL LIGHT BAR VERTICAL TOWER CORD REEL

NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	101930P	LIGHT BAR
2	2	101931P	LAMP MOUNT
3	1	101929P	COVER
4	6	041070	1/4-20 x 3/4 SL-HEX WASHER HEAD MS TP F
5	1	310033	1/2 CORD GRIP
6	1	022415	1/2 INSULATING BUSHING
7	3	650550	.785" x 2" HDPE WASHER
8	7	047035	3/4 FLAT WASHER PL
9	7	044058	3/4-10 NYLOCK HEX NUT PL
10	4	101813	.781 ID x 2 OD x 1/2 HDPE WASHER
11	1	100147	UHMW BEARING
12	1	100143-15	ROTATION MOUNT
13	1	100148	SPRING LOCK 1/2-13 X 1.4
14	1	046180	1/2-13 X 1 1/4 HEX HEAD CS GR5 PL
15	2	047019	3/4 OD X .385 ID NYLON BUSHING

NO	QTY	PARTNO	DESCRIPTION
16	4	310414	QD CONNECTOR FEMALE
17	2	100104P	BRACKET
18	4	046126	3/8-16 x 1 3/4 HEX HEAD CS GR5 PL
19	4	044036	3/8-16 KEPS HEX NUT PL
20	1	680878	1 3/4 CAPLUG
21	2	047015	3/8 FLAT WASHER PL
22	2	102361	ADJUSTABLE LEVER
23	2	090002	HIGH VOLTAGE DECAL
24	4	022020	3/8 2 SCREW CLAMP
25	1	044045	1/2-13 HEX NUT PL
26	4	310413	CAP
27	4	045116	1/8 X 1/4 BLIND RIVET
28	1	022035	1/2 CORD GRIP NUT
29	1	064040	1 3/8 CAP PLUG

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

VERTICAL TOWER CORD REEL
NIGHT LITE PRO II

4/27/2012

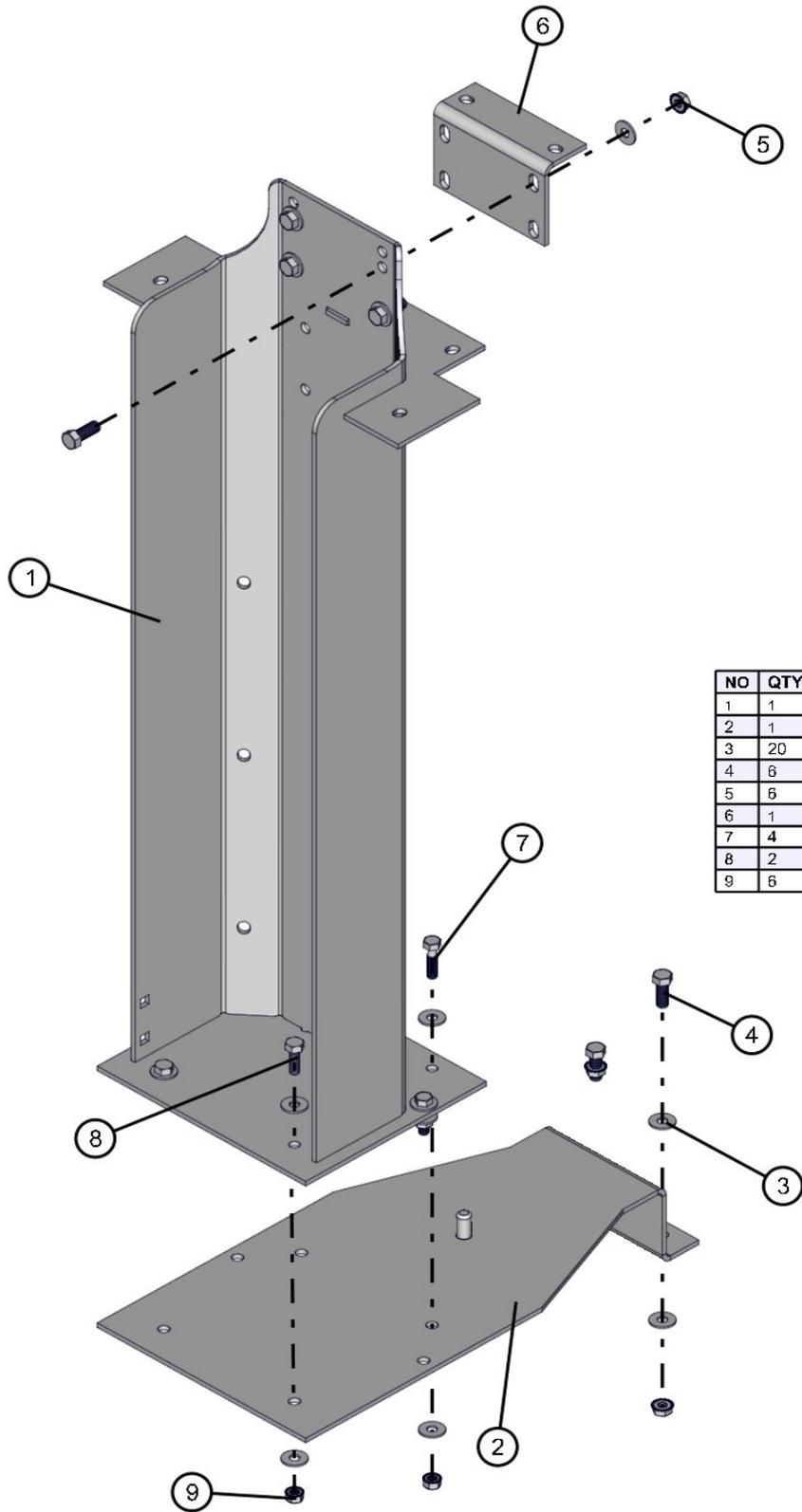


103304 - 16/8 CORD (CORD REEL)

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

VERTICAL TOWER PEDESTAL NIGHT LITE PRO II

4/27/2012

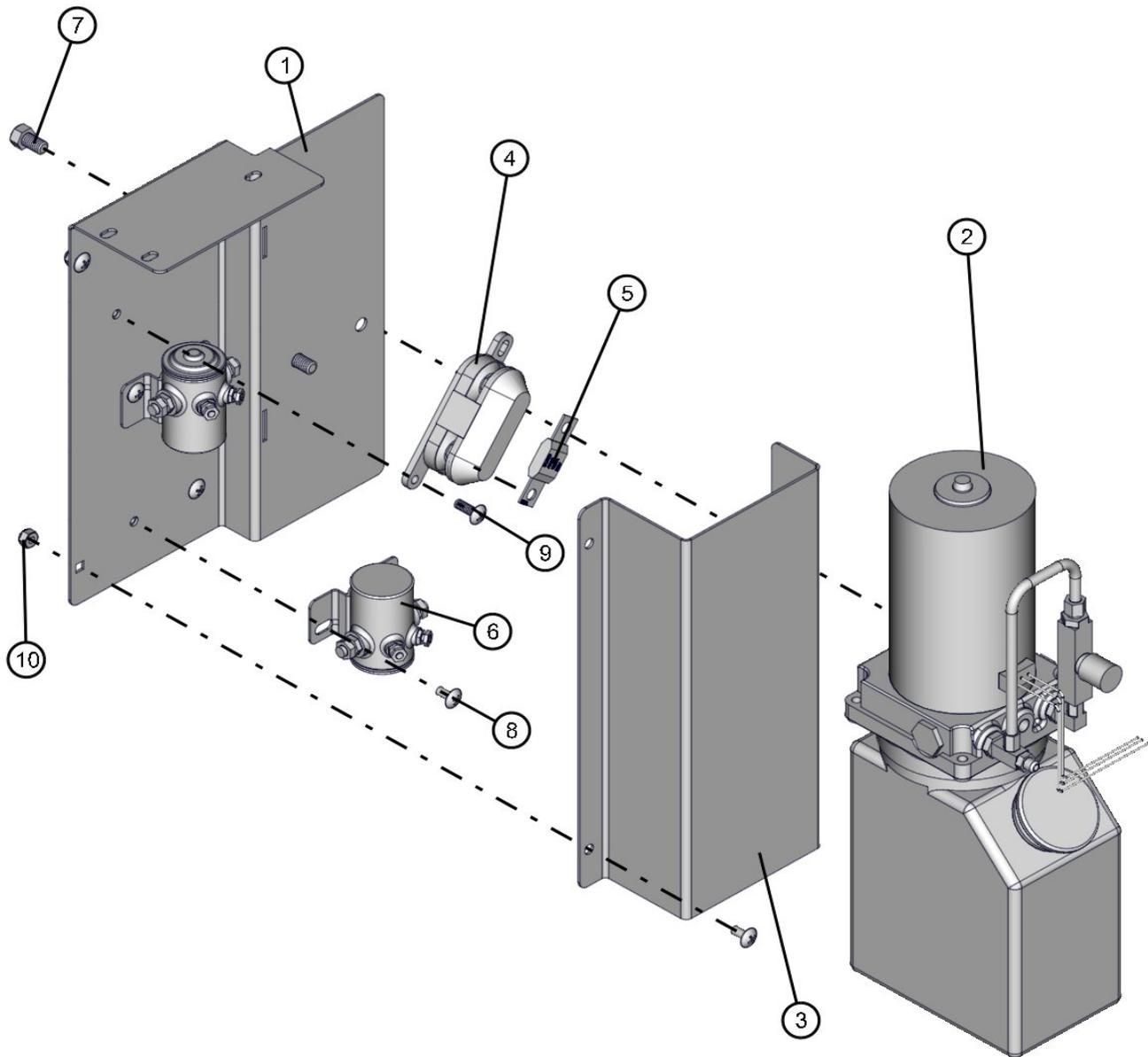


NO	QTY	PARTNO	DESCRIPTION
1	1	102766P	TOWER PEDESTAL
2	1	102788P	MOUNT
3	20	047010	5/16 FLAT WASHER PL
4	6	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
5	6	044036	3/8-16 KEPS HEX NUT PL
6	1	102799P	ANGLE MOUNT
7	4	046055	5/16-18 X 1 1/4 HEX HEAD CS GR5 PL
8	2	046050	5/16-18 X 1 HEX HEAD CS GR5 PL
9	6	044031	5/16 -18 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

VERTICAL TOWER HYDRAULIC PUMP NIGHT LITE PRO II

4/27/2012

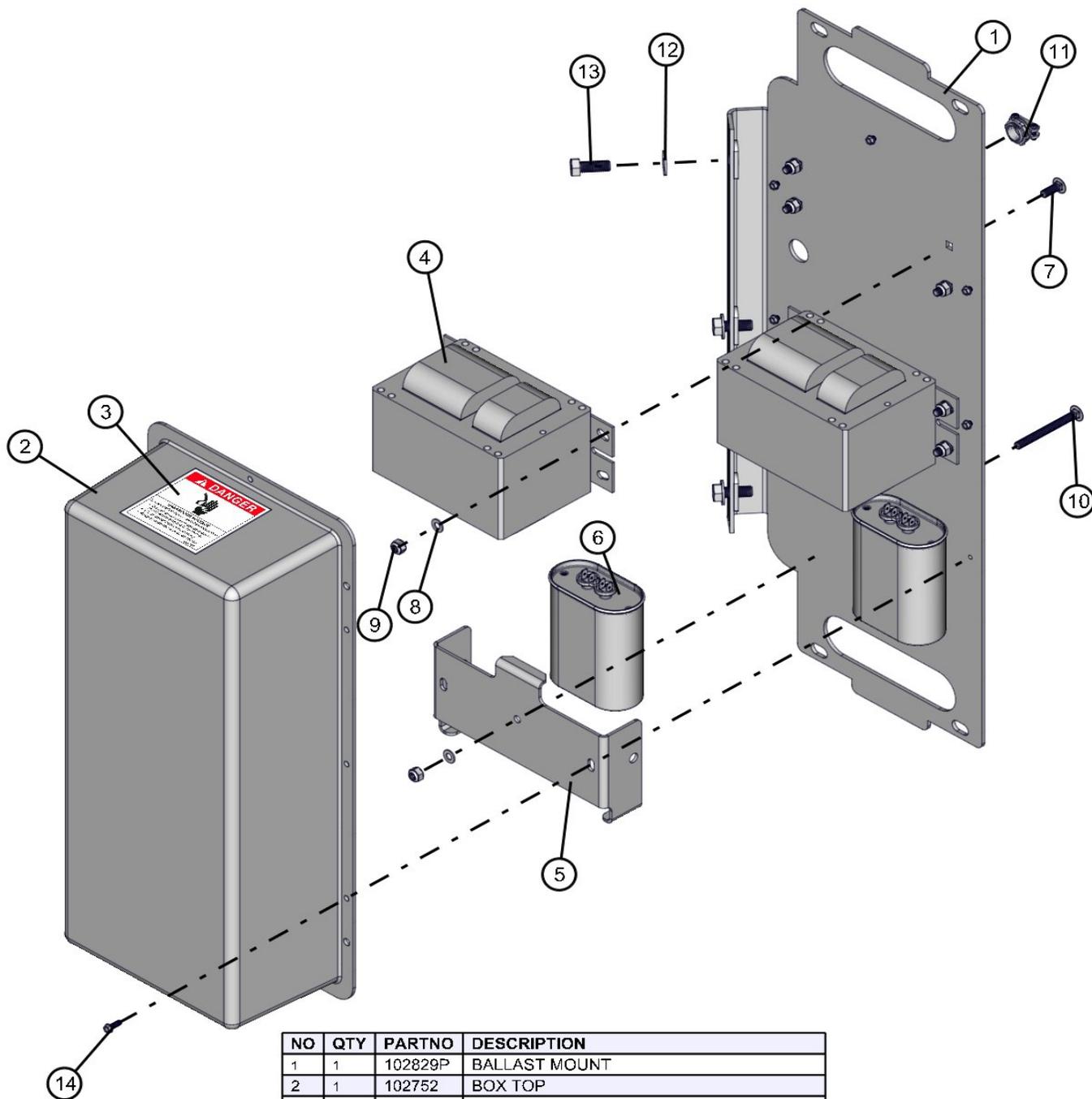


NO	QTY	PARTNO	DESCRIPTION
1	1	102795P	PUMP MOUNT
2	1	101383	HYDRAULIC POWER UNIT
3	1	102796P	COVER
4	1	100235	FUSE HOLDER
5	1	100234	125A FUSE LINK
6	2	100236	12 VDC RELAY
7	2	101384	3/8-16 x 5/8 HEX HEAD CS GR5
8	6	041078	1/4-20 X 1/2 PH-TRUSS HEAD MS SS
9	2	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
10	8	044023	1/4-20 NYLOCK HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

1250W - 60Hz BALLAST NIGHT LITE PRO II

4/27/2012



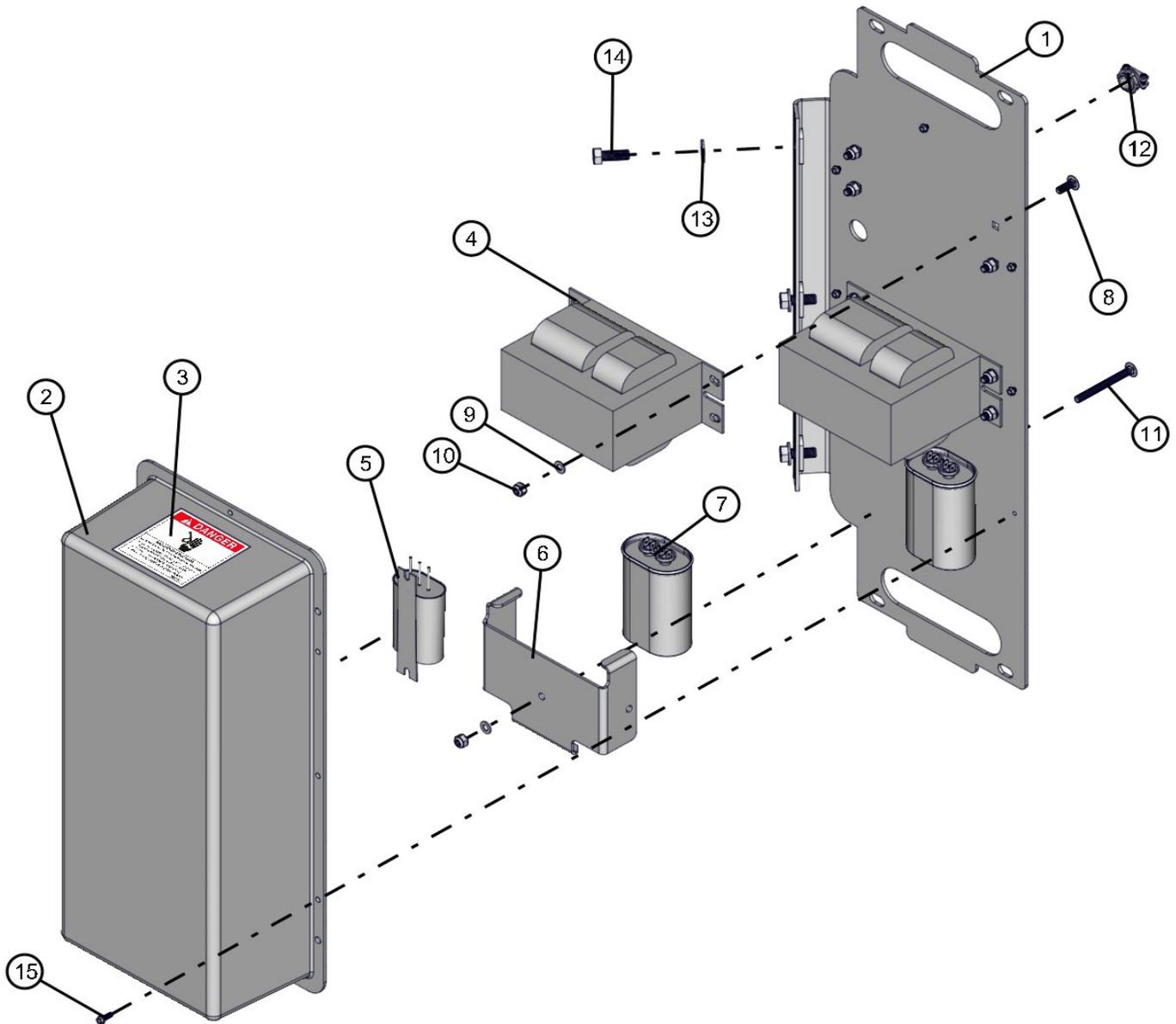
NO	QTY	PARTNO	DESCRIPTION
1	1	102829P	BALLAST MOUNT
2	1	102752	BOX TOP
3	1	090182	HAZARDOUS VOLTAGE DECAL
4	2	109606	1250W BALLAST WITH 28 uf CAPACITOR
5	1	100392P	CAPACITOR CLAMP (HPS)
6	2	100329	CAPACITOR 28 uF (HD 1250W)
7	8	053006	1/4-20 X 3/4 CARRIAGE BOLT
8	9	047009	1/4 FLAT WASHER SAE SS
9	9	044023	1/4-20 NYLOCK HEX NUT PL
10	1	100718	1/4-20 x 2 1/4 CARRIAGE BOLT
11	2	022020	3/8 2 SCREW CLAMP
12	3	047010	5/16 FLAT WASHER PL
13	3	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
14	8	041029	#8-32 X 1/2 HEX WASHER HEAD TP F INDT

NS: 090159 COMBUSTABLE GAS DECAL (RIGHT SIDE BALLAST ONLY)

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

1000W - 60 Hz (HPS) BALLAST NIGHT LITE PRO II

4/27/2012



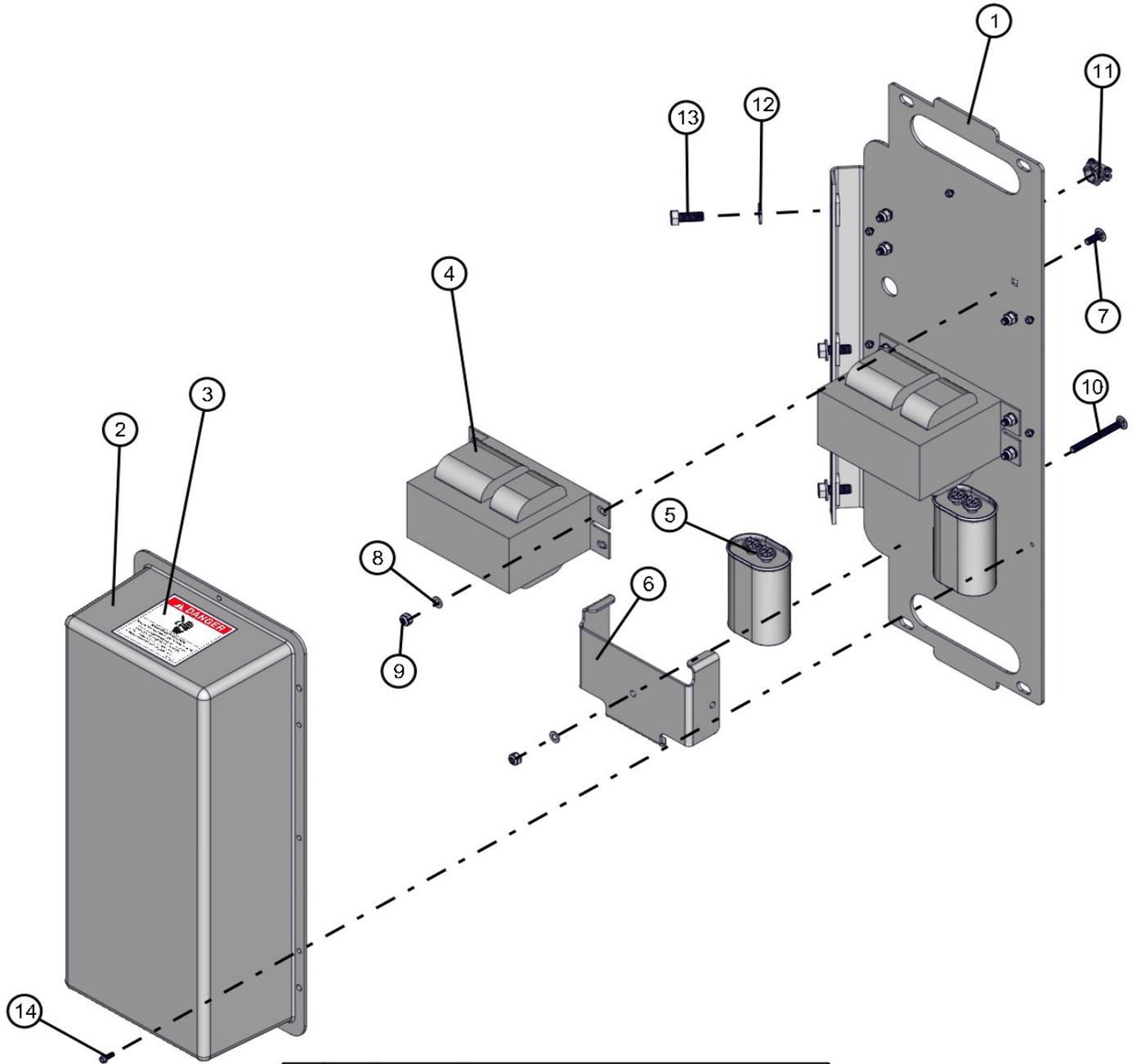
NO	QTY	PARTNO	DESCRIPTION
1	1	102829P	BALLAST MOUNT
2	1	102752	BOX TOP
3	1	090162	HAZARDOUS VOLTAGE DECAL
4	2	310118	BALLAST 1000W 60Hz (HPS)
5	1	028015	LAMP IGNITOR
6	1	680608P	CAPACITOR CLAMP
7	2	310119	CAPACITOR 26 uF & IGNITOR
8	8	053006	1/4-20 X 3/4 CARRIAGE BOLT
9	9	047009	1/4 FLAT WASHER SAE SS
10	9	044023	1/4-20 NYLOCK HEX NUT PL
11	1	100718	1/4-20 x 2 1/4 CARRIAGE BOLT
12	2	022020	3/8 2 SCREW CLAMP
13	3	047010	5/16 FLAT WASHER PL
14	3	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
15	8	041029	#8-32 X 1/2 HEX WASHER HEAD TP F INDT

NS: 090159 - COMBUSTABLE GAS DECAL (RIGHT SIDE BALLAST ONLY)

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

1000W - 50Hz BALLAST NIGHT LITE PRO II

4/27/2012



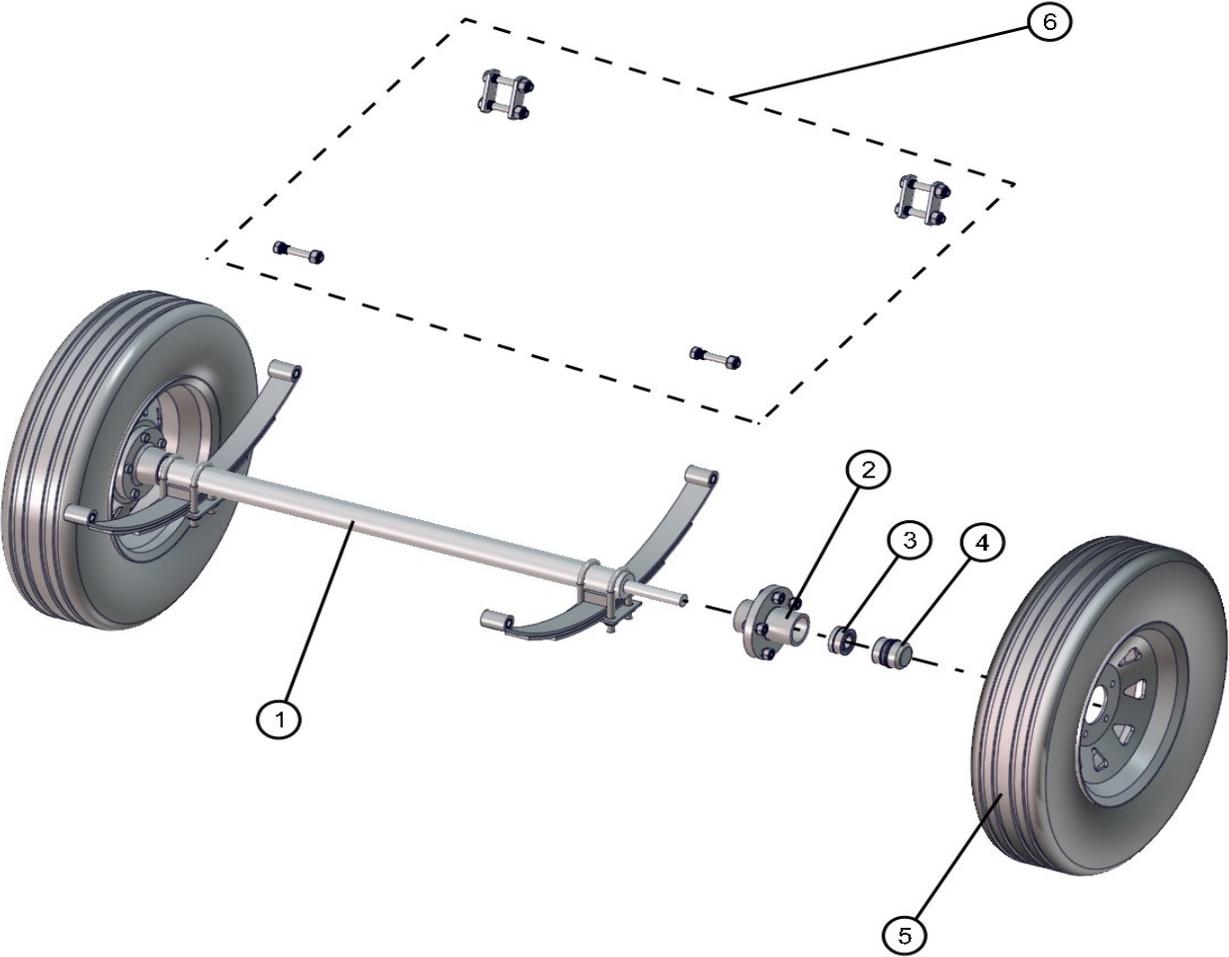
NO	QTY	PARTNO	DESCRIPTION
1	1	102829P	BALLAST MOUNT
2	1	102752	BOX TOP
3	1	090162	HAZARDOUS VOLTAGE DECAL
4	2	310116A	50Hz BALLAST
5	2	310115A	CAPACITOR (ONLY) 50Hz 26uF
6	1	680608P	CAPACITOR CLAMP
7	8	053006	1/4-20 X 3/4 CARRIAGE BOLT
8	9	047009	1/4 FLAT WASHER SAE SS
9	9	044023	1/4-20 NYLOCK HEX NUT PL
10	1	100718	1/4-20 x 2 1/4 CARRIAGE BOLT
11	2	0222020	3/8 2 SCREW CLAMP
12	3	047010	5/16 FLAT WASHER PL
13	3	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
14	8	041029	#8-32 X 1/2 HEX WASHER HEAD TP F INDT

NS: 090159 - COMBUSTABLE GAS DECAL (RIGHT SIDE BALLAST ONLY)

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

AXLE NIGHT LITE PRO II

4/27/2012



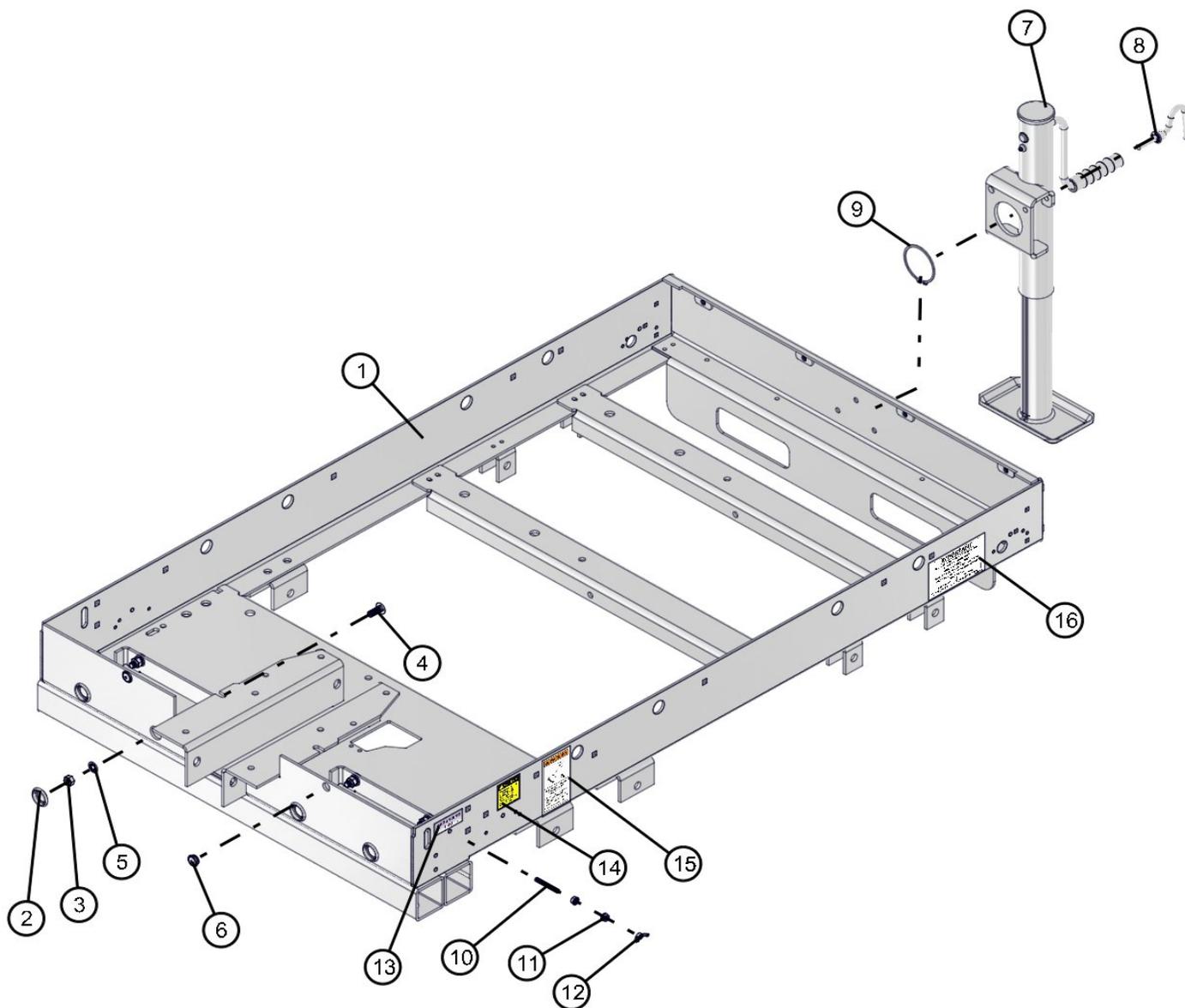
NO	QTY	PARTNO	DESCRIPTION
1	1	650100	AXLE
2	1	712111	HUB
3	1	712111B	BEARING/SEAL
4	1	712111C	GREASE CAP
5	2	650387	13" WHEEL TIRE ASSEMBLY
6	1	102105	AXLE HARDWARE KIT

NOTE: NOT USED WITH CE SPEC.

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

FRAME NIGHT LITE PRO II

4/27/2012



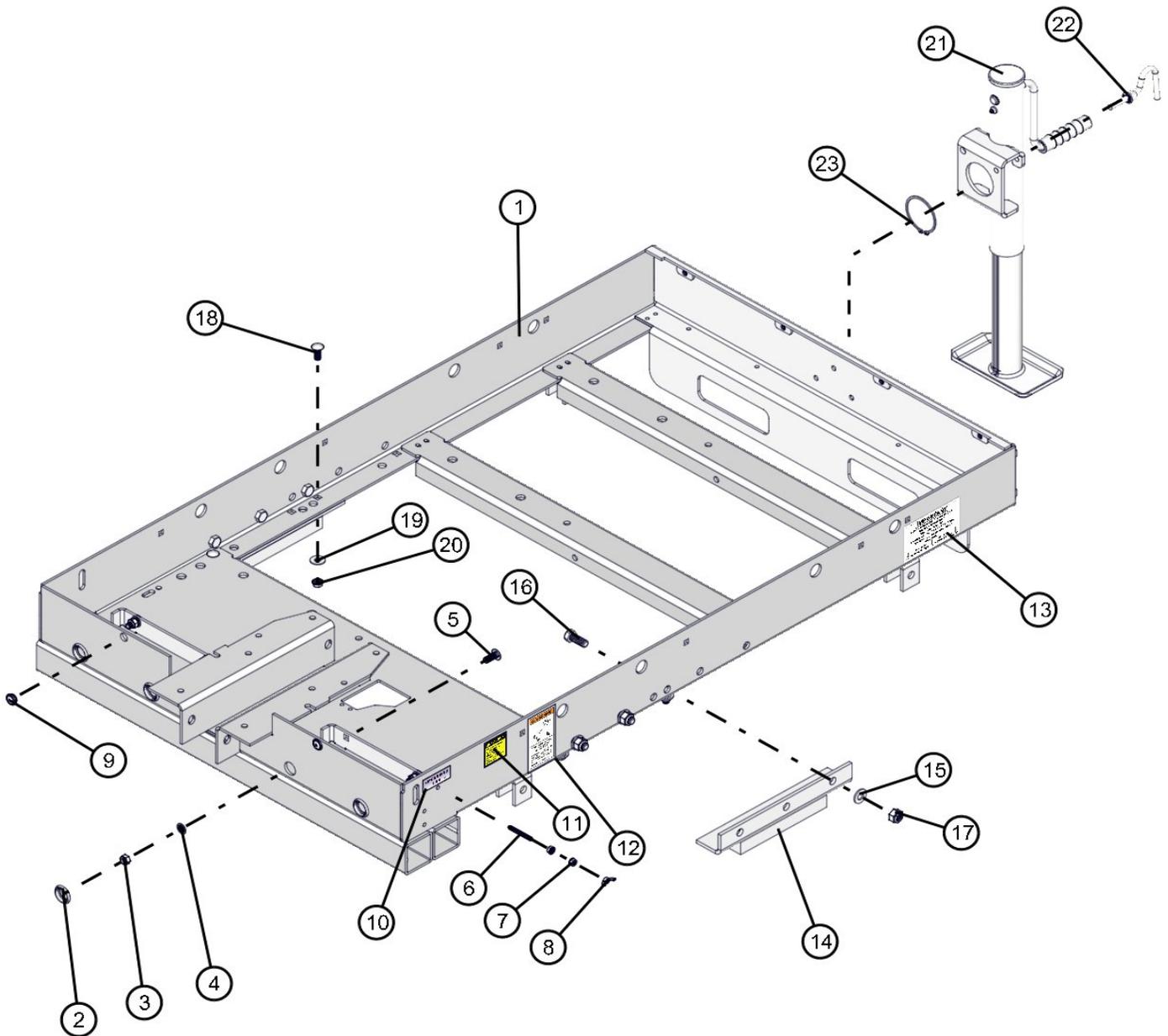
NO	QTY	PARTNO	DESCRIPTION
1	1	102756P	FRAME
2	4	064025	1 1/16 PLASTIC PLUG
3	4	044038	3/8-16 NYLOCK HEX NUT PL
4	4	053028	3/8-16 X 1 CARRIAGE BOLT PL
5	4	045218	3/8 PUSH NUT
6	2	433329	5/8 PLASTIC PLUG

NO	QTY	PARTNO	DESCRIPTION
10	1	045004	1/4-20 X 2 STUD PL
11	2	044021	1/4-20 KEPS HEX NUT PL
12	1	330494	1/4-20 WING NUT
13	1	090133	GROUNDING LUG DECAL
14	1	090474	WINCH CAUTION DECAL
15	1	090166	OVERHEAD HAZARD DECAL
16	1	101076	FLUID CONTAINMENT SYSTEM DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

CE SPEC FRAME NIGHT LITE PRO II

4/27/2012



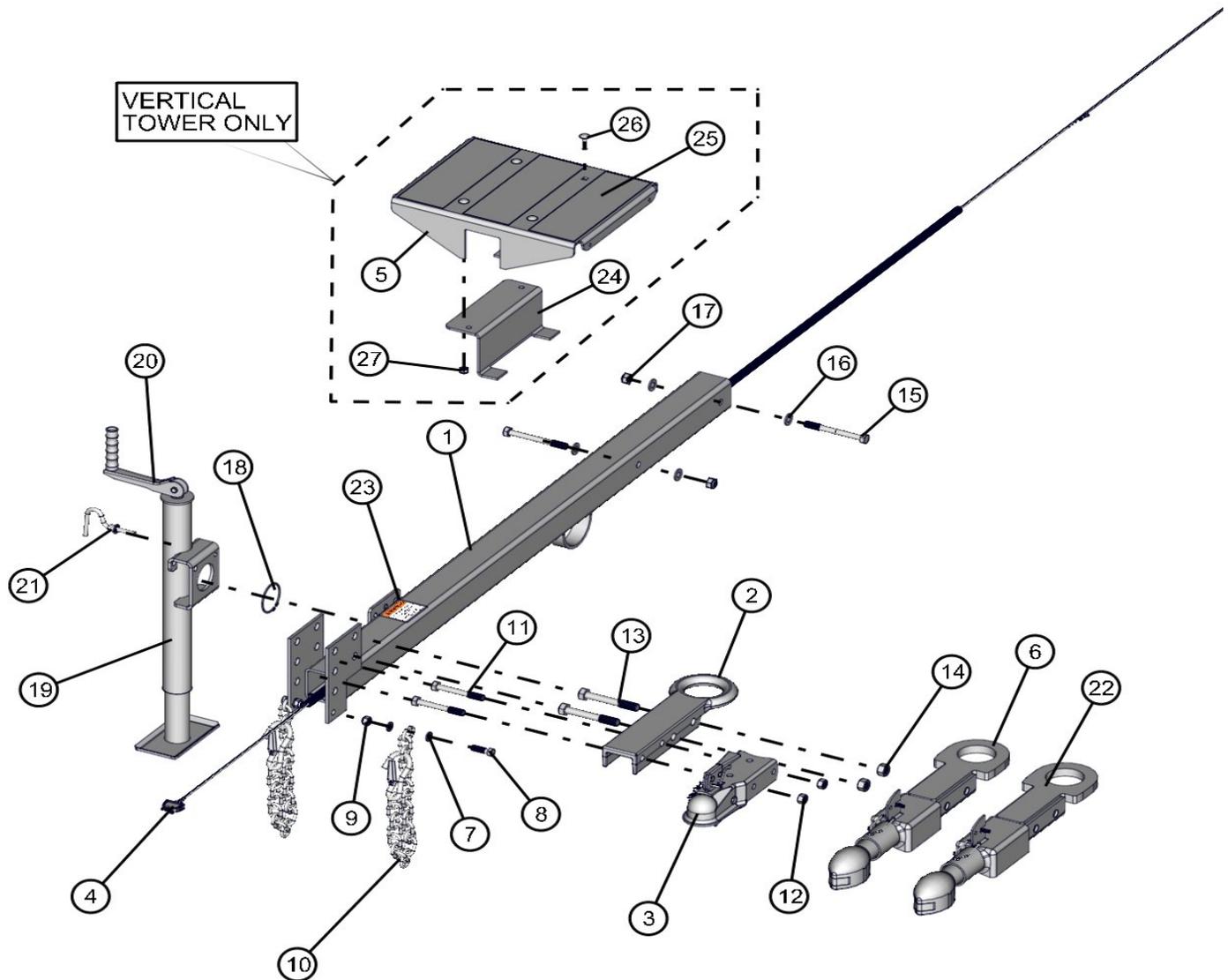
NO	QTY	PARTNO	DESCRIPTION
1	1	102845P	ALCO FRAME
2	4	064025	1 1/16 PLASTIC PLUG
3	4	044038	3/8-16 NYLOCK HEX NUT PL
4	4	045218	3/8 PUSH NUT
5	4	053028	3/8-16 X 1 CARRIAGE BOLT PL
6	1	045004	1/4-20 X 2 STUD PL
7	2	044021	1/4-20 KEPS HEX NUT PL
8	1	330494	1/4-20 WING NUT
9	2	433329	5/8 PLASTIC PLUG
10	1	090133	GROUNDING LUG DECAL
11	1	090474	WINCH CAUTION DECAL
12	1	090166	OVERHEAD HAZARD DECAL

NO	QTY	PARTNO	DESCRIPTION
13	1	101076	FLUID CONTAINMENT SYSTEM DECAL
14	2	103286P	ANGLE MOUNT
15	6	047025	1/2 FLAT WASHER PL
16	6	046180	1/2-13 X 1 1/4 HEX HEAD CS GR5 PL
17	6	044048	1/2-13 NYLOCK HEX NUT PL
18	4	053028	3/8-16 X 1 CARRIAGE BOLT PL
19	4	047015	3/8 FLAT WASHER PL
20	4	044036	3/8-16 KEPS HEX NUT PL
21	1	650235	JACK SIDE CRANK
22	1	330012A	LOCK HANDLE REPLACEMENT KIT
23	1	330014	2 5/6 XT JACK SNAP RING

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

TONGUE NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	650398P	TONGUE W/ SNAP RING MOUNT
2	1	712540-15	PINTLE HITCH
3	1	712021	2" BALL SAE CLASS 2
4	1	101116	TAIL LIGHT HARNESS
5	1	101051P	PLATFORM
6	1	300775P	2" HITCH (OPTION)
7	4	047075	7/16 FLAT WASHER SAE ZC
8	2	046160	7/16-14 X 1 1/2 HEX HEAD CS GR5 PL
9	2	044043	7/16-14 NYLOCK HEX NUT PL
10	2	049040	SAFETY CHAIN
11	2	046220	1/2-13 X 4 HEX HEAD CS GR5 PL
12	2	044062	1/2-13 TOPLOCK HEX NUT PL
13	2	046250	5/8-11 X 4 1/2 HEX HEAD CS GR5 PL
14	2	044061	5/8-11 TOPLOCK HEX NUT PL

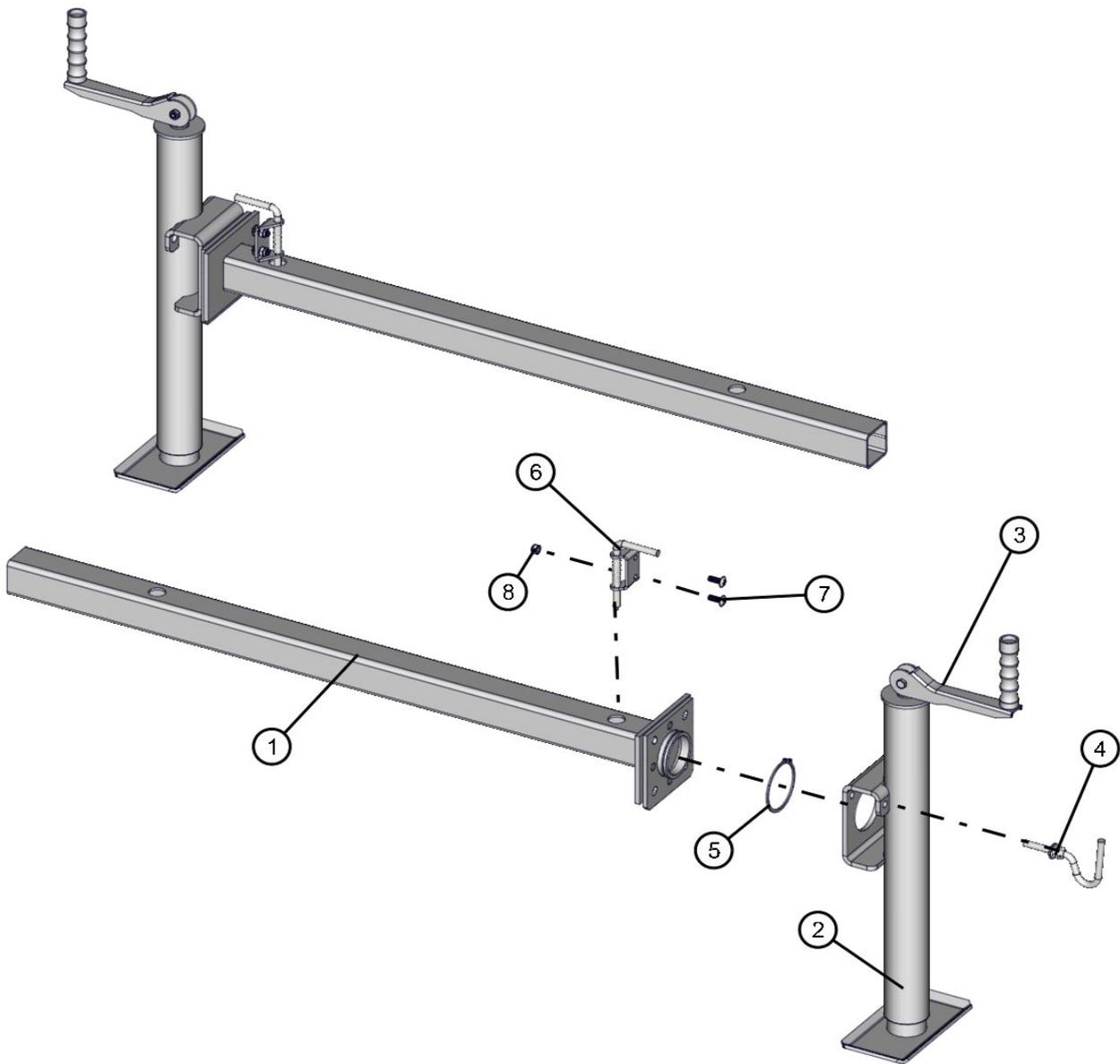
NO	QTY	PARTNO	DESCRIPTION
15	2	046230	1/2-13 X 5 HEX HEAD CS GR5 PL
16	4	047025	1/2 FLAT WASHER PL
17	2	044048	1/2-13 NYLOCK HEX NUT PL
18	1	330014	2 5/6 XT JACK SNAP RING
19	1	102089	TONGUE JACK 15"
20	1	330012	REPLACEMENT JACK HANDLE KIT
21	1	330012A	LOCK HANDLE REPLACEMENT KIT
22	1	680489P	2 5/16" HITCH (OPTION)
23	1	090160	EXCESS TOWING DECAL
24	2	101050	ATTACHMENT BRACKET
25	3	062005	ANTI SKID TAPE
26	4	100670	3/8-16 X 1 1/4 CARRIAGE BOLT
27	4	044038	3/8-16 NYLOCK HEX NUT PL

NOTE: NOT USED WITH CE SPEC.

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

OUTRIGGERS NIGHT LITE PRO II

4/27/2012

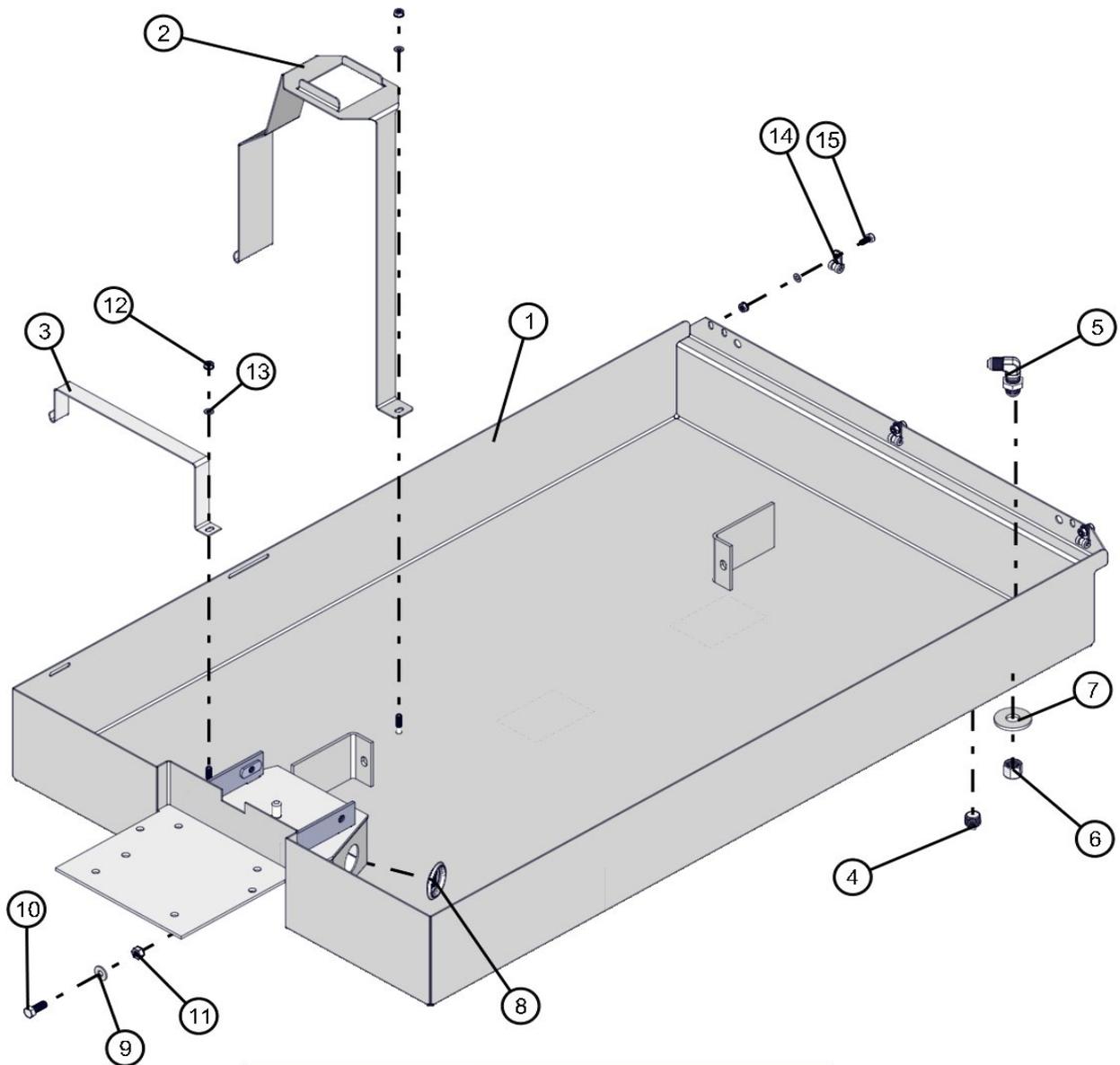


NO	QTY	PARTNO	DESCRIPTION
1	2	102809-15	OUTRIGGER
2	2	330008	SHORT TOP CRANK JACK
3	1	330012	REPLACEMENT JACK HANDLE KIT
4	1	330012A	LOCK HANDLE REPLACEMENT KIT
5	2	330014	2 5/6 XT JACK SNAP RING
6	2	650723	RIGHT RETENTION PIN
7	4	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
8	4	044023	1/4-20 NYLOCK HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

CONTAINMENT TRAY NIGHT LITE PRO II

4/27/2012



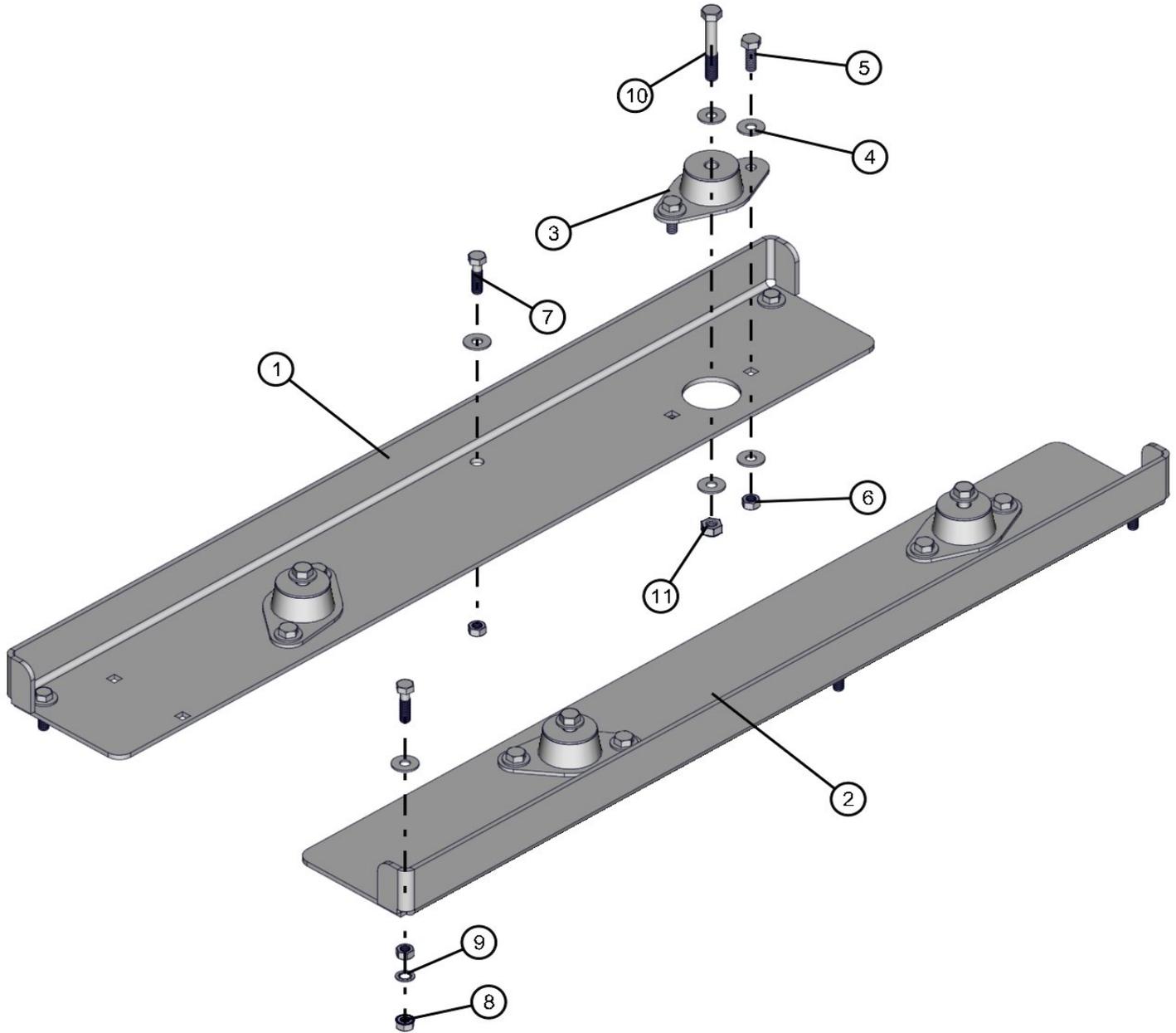
NO	QTY	PARTNO	DESCRIPTION
1	1	102813P	FCS TRAY
2	1	102821P	TANK STRAP
3	1	102820P	BATTERY STRAP
4	1	026106	1/2 NPT SQ HD PLUG
5	1	100601	JIC 90 DEG FITTING
6	1	100602	JIC CAP
7	1	047035	3/4 FLAT WASHER PL
8	1	680878	1 3/4 CAPLUG
9	2	047010	5/16 FLAT WASHER PL
10	2	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
11	2	044038	3/8-16 NYLOCK HEX NUT PL
12	5	044021	1/4-20 KEPS HEX NUT PL
13	5	047009	1/4 FLAT WASHER SAE SS
14	3	022015	# 4 CUSHION CLAMP
15	3	046006	1/4-20 X 5/8 HEX HEAD CS GR5 PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

ENGINE RAILS NON CONTAINMENT TRAY

NIGHT LITE PRO II

4/27/2012

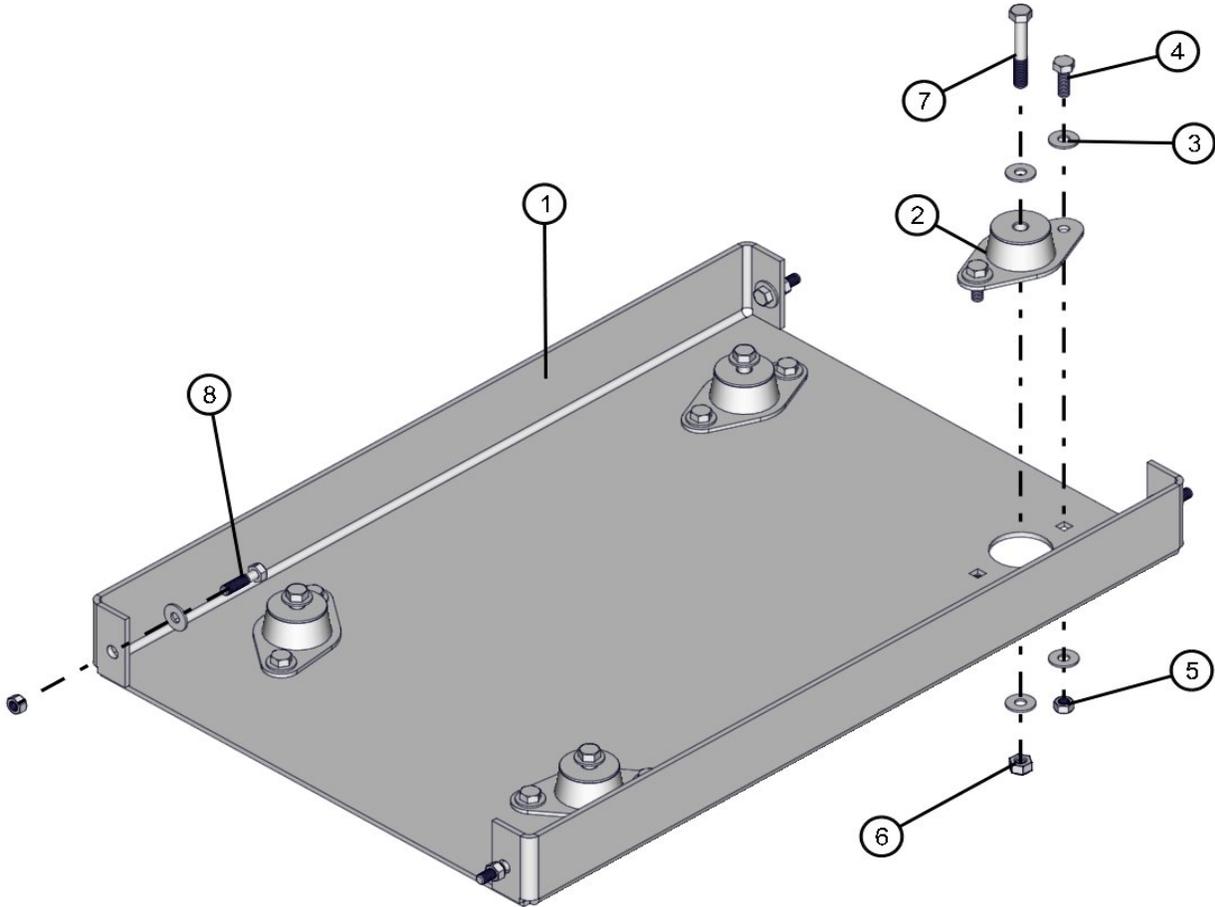


NO	QTY	PARTNO	DESCRIPTION
1	1	102794P	RT ENGINE RAIL
2	1	102793P	LT ENGINE RAIL
3	4	650259	ENGINE MOUNT
4	30	047010	5/16 FLAT WASHER PL
5	8	046050	5/16-18 X 1 HEX HEAD CS GR5 PL
6	14	044030	5/16-18 HEX NUT PL
7	6	046055	5/16-18 X 1 1/4 HEX HEAD CS GR5 PL
8	1	044031	5/16 -18 KEPS HEX NUT PL
9	1	043060	5/16 INTL TOOTH LOCK WASHER
10	4	046134	3/8-16 X 2 1/2 HEX HEAD CS GR8 PL
11	4	044038	3/8-16 NYLOCK HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

CONTAINMENT TRAY ENGINE PAN NIGHT LITE PRO II

4/27/2012

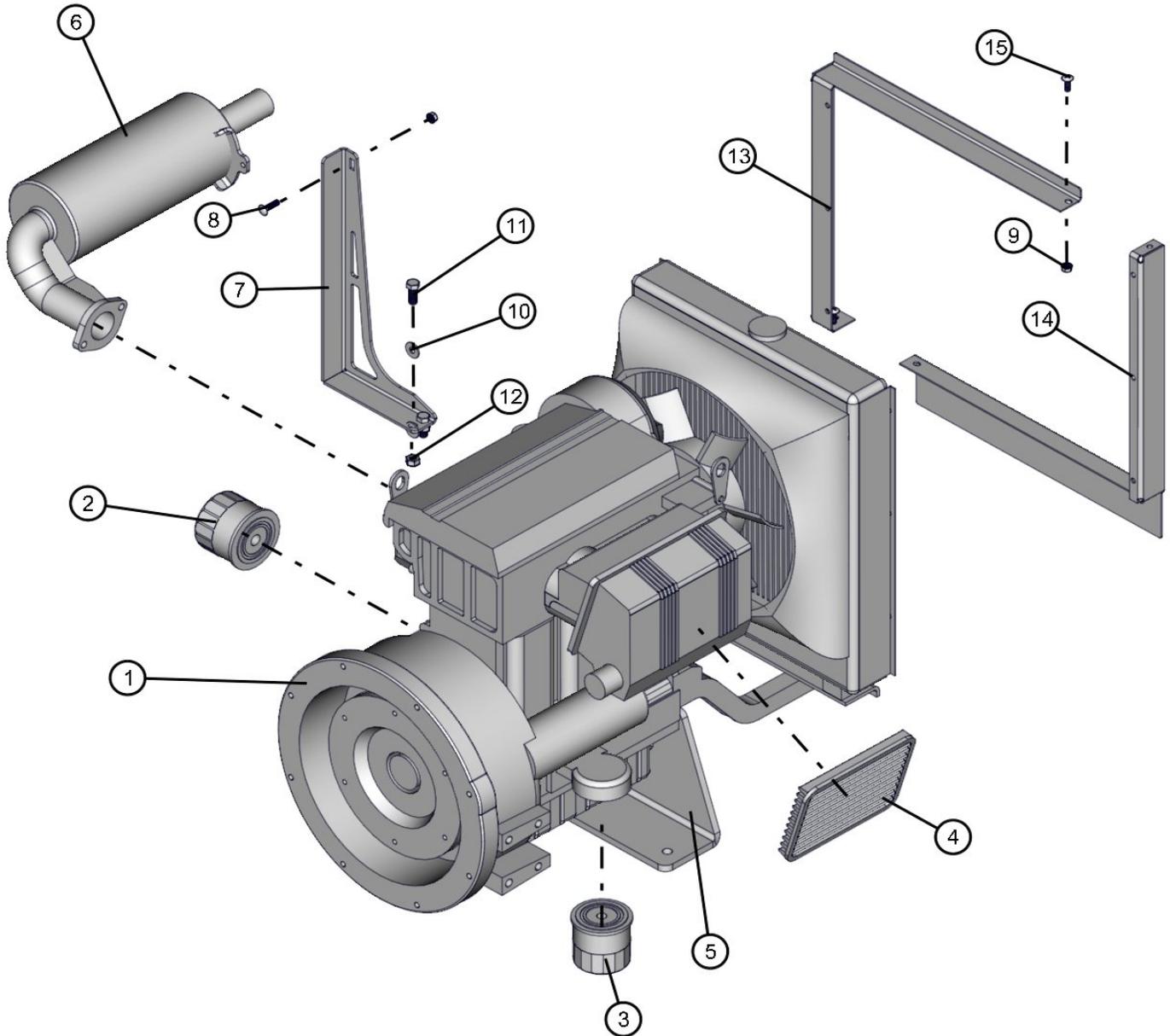


NO	QTY	PARTNO	DESCRIPTION
1	1	102822P	ENGINE PAN
2	4	650259	ENGINE MOUNT
3	28	047010	5/16-18 X 1 FLAT WASHER PL
4	8	046050	5/16-18 X 1 HEX HEAD CS GR5 PL
5	12	044030	5/16-18 HEX NUT PL
6	4	044038	3/8-16 NYLOCK HEX NUT PL
7	4	046134	3/8-16 X 2 1/2 HEX HEAD CS GR8 PL
8	4	046055	5/16-18 X 1 1/4 HEX HEAD CS GR5 PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

KOHLER ENGINE NIGHT LITE PRO II

4/27/2012



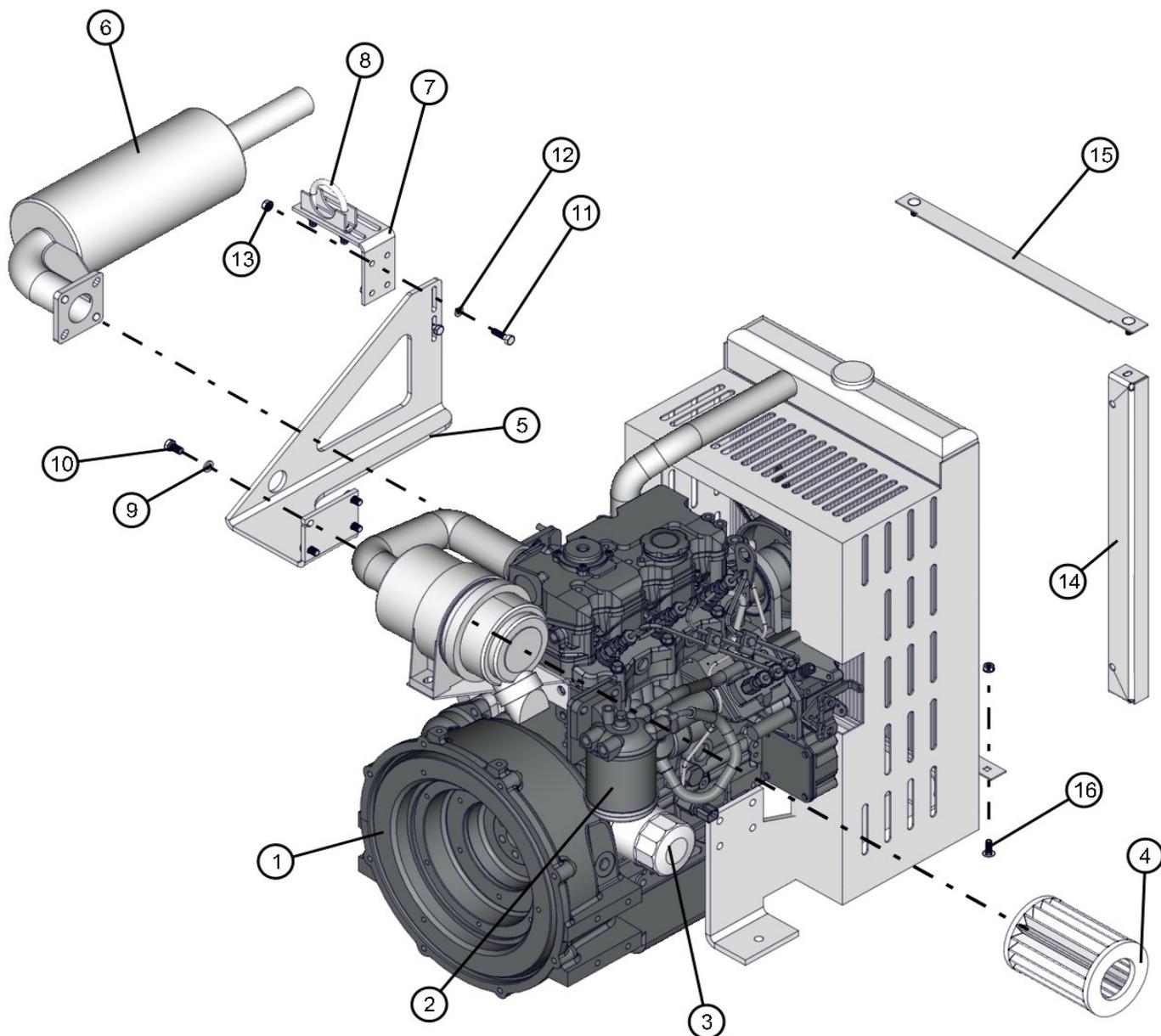
NO	QTY	PARTNO	DESCRIPTION
1	1	650830	KOHLER LDW 1003 W/HOUR METER
2	1	650011	KOHLER OIL FILTER
3	1	650010	KOHLER FUEL FILTER
4	1	650012	KOHLER AIR FILTER
5	1	109718P	ENGINE MOUNT
6	1	109803	MUFFLER
7	1	100707P	MUFFLER BRACE
8	1	100342	1/4-20 X 1 CARRIAGE BOLT PL

NO	QTY	PARTNO	DESCRIPTION
9	3	044021	1/4-20 KEPS HEX NUT PL
10	2	047010	5/16 FLAT WASHER PL
11	2	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
12	2	044038	3/8-16 NYLOCK HEX NUT PL
13	1	103061P	SHROUD TOP/RIGHT
14	1	103060P	SHROUD BTM/LEFT
15	2	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

CAT ENGINE NIGHT LITE PRO II

4/27/2012



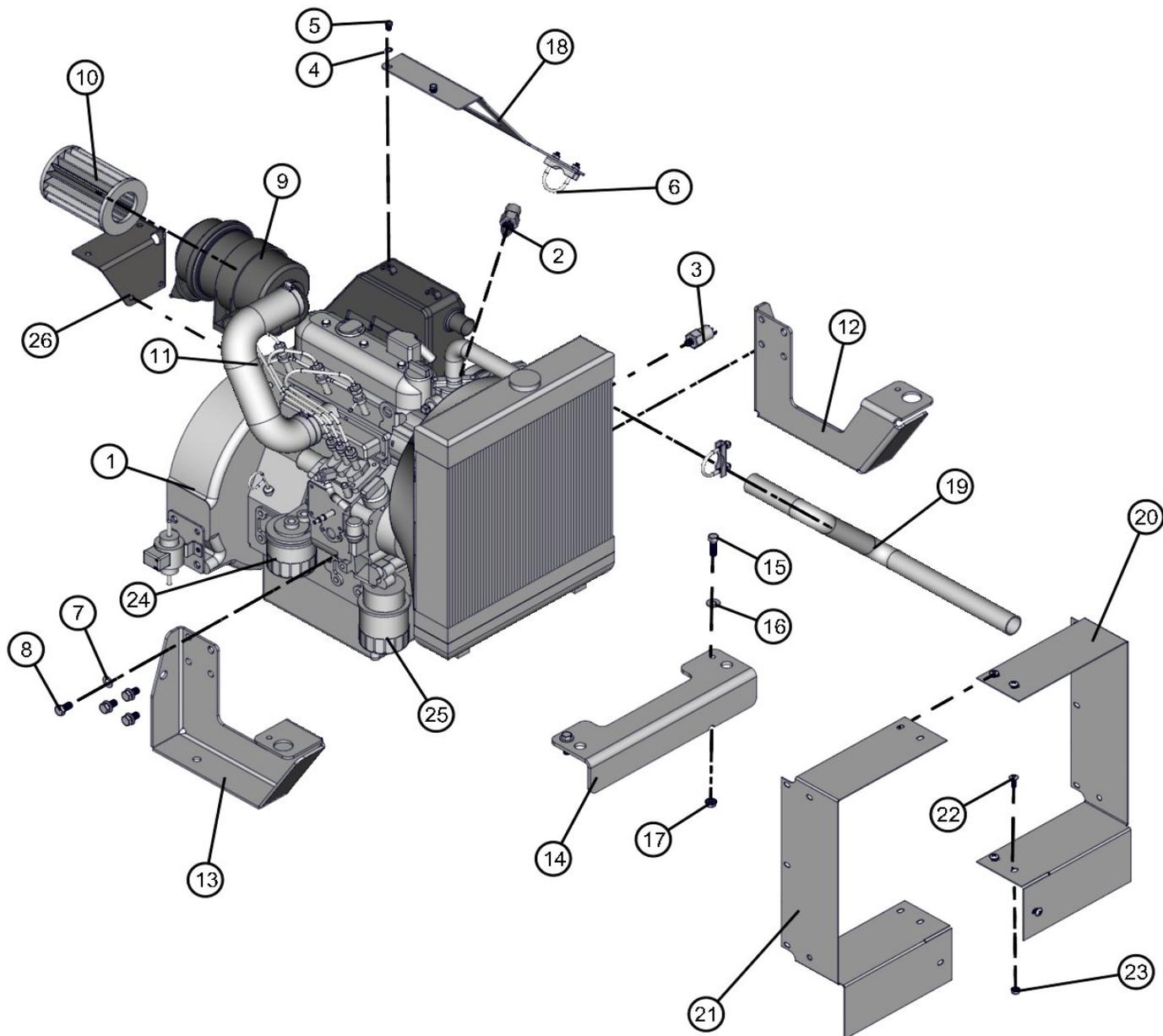
NO	QTY	PARTNO	DESCRIPTION
1	1	352236	CAT C1.1 8kW
2	1	650305	CAT FUEL FILTER
3	1	650304	CAT OIL FILTER
4	1	650303	AIR FILTER ELEMENT CAT
5	1	100705P	BRACKET
6	1	101082	NETT MUFFLER
7	1	100706P	MUFFLER BRACKET
8	1	340111	1-1/2 MUFFLER CLAMP
9	4	043055	5/16 SPLITLOCK WASHER

NO	QTY	PARTNO	DESCRIPTION
10	4	042027	M8 X 16mm X 1.25mm HEX HEAD CS GR10.9 PL
11	2	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
12	2	047009	1/4 FLAT WASHER SAE SS
13	6	044021	1/4-20 KEPS HEX NUT PL
14	2	102932P	SHROUD
15	2	102933P	TOP/ BOT SHROUD
16	4	053006	1/4-20 X 3/4 CARRIAGE BOLT

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

KUBOTA ENGINE NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	102094	KUBOTA D1105 EBG
2	1	340302	HIGH TEMP SWITCH
3	1	340301	OIL PRESSURE SWITCH
4	2	043050	1/4 INTL TOOTH LOCK WASHER
5	2	042018	M6 X 1.0mm X 10mm HEX HEAD CS GR8.8 PL
6	2	713086	1 3/8 MUFLER CLAMP
7	8	047016	3/8 FLAT WASHER SAE PL
8	8	042038	M10 X 20mm X 1.25mm HEX HEAD CS GR8.8 PL
9	1	650262	AIR CLEANER
10	1	650290	AIR FILTER ELEMENT
11	1	101734	AIR CLEANER HOSE
12	1	109711P	LEFT FOOT
13	1	109710P	RIGHT FOOT
14	1	109709P	CROSSMEMBER

NO	QTY	PARTNO	DESCRIPTION
15	2	046115	3/8-16 X 1 1/4 HEX HEAD CS GR5 PL
16	2	047010	5/16 FLAT WASHER PL
17	2	044036	3/8-16 KEPS HEX NUT PL
18	1	103068P	TAILPIPE MOUNT
19	1	109800	TAIL PIPE
20	1	103055P	RIGHT SHROUD
21	1	103056P	LEFT SHROUD
22	5	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
23	5	044021	1/4-20 KEPS HEX NUT PL
24	1	920745	FUEL FILTER
25	1	920743	OIL FILTER
26	1	103039P	MOUNT

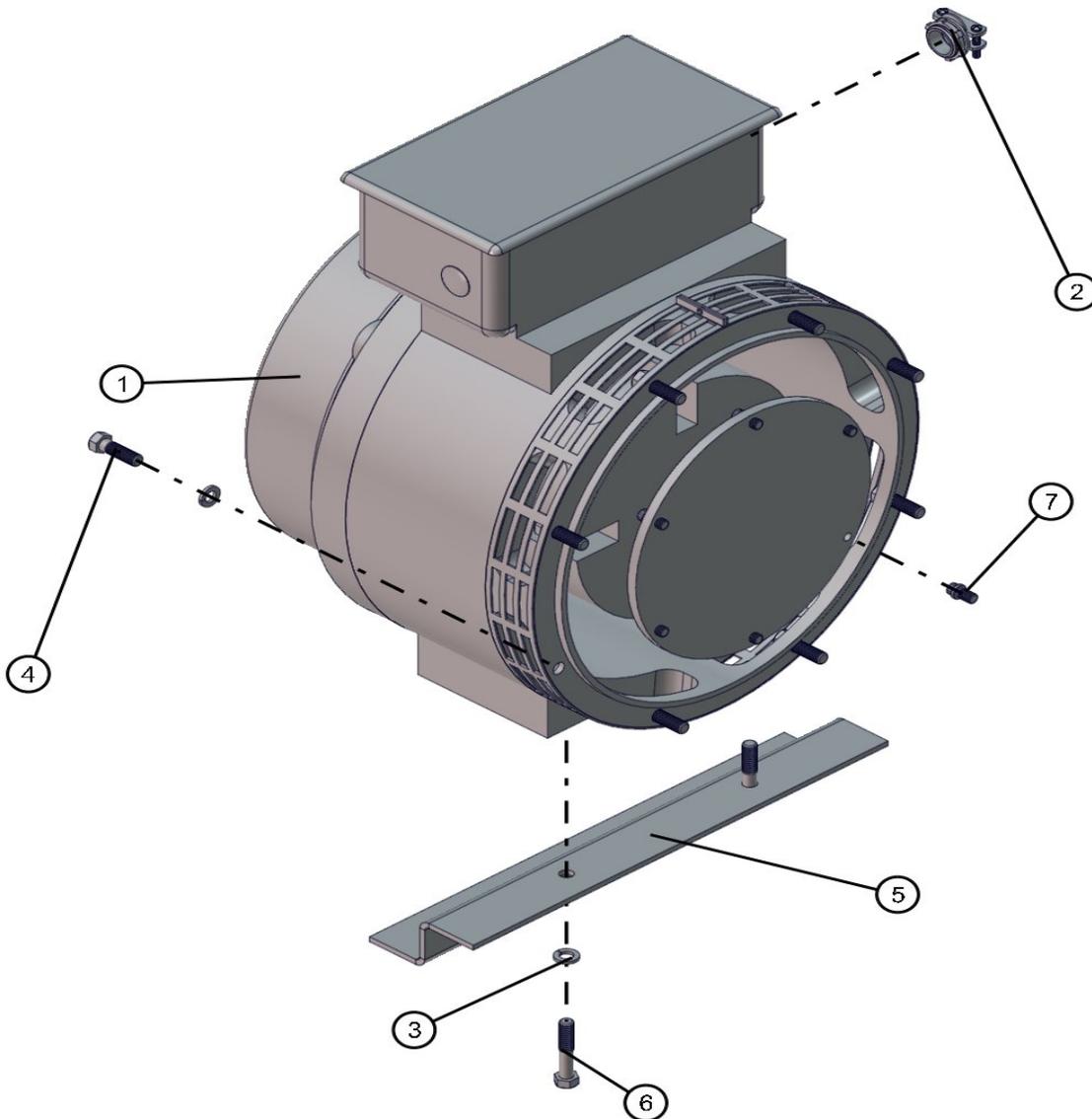
NS: 650027 KUBOTA RECOVERY TANK

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

MARATHON GENERATOR NIGHT LITE PRO II

4/27/2012

CE SPEC USES 650286 - 6kW 50Hz MARATHON GENERATOR



NO	QTY	PARTNO	DESCRIPTION
1	1	101075	8KW 60 HZ MARATHON GENERATOR
2	1	022025	3/4 2-SCREW ROMEX CLAMP
3	10	043065	3/8 SPLITLOCK WASHER PL
4	8	046115	3/8-16 X 1 1/4 HEX HEAD CS GR5 PL
5	1	651012P	GENERATOR MOUNT
6	2	046130	3/8-16 X 2 HEX HEAD CS GR5 PL
7	6	046041	5/16-18 x 1/2 12 PT FLANGE HEAD BOLT

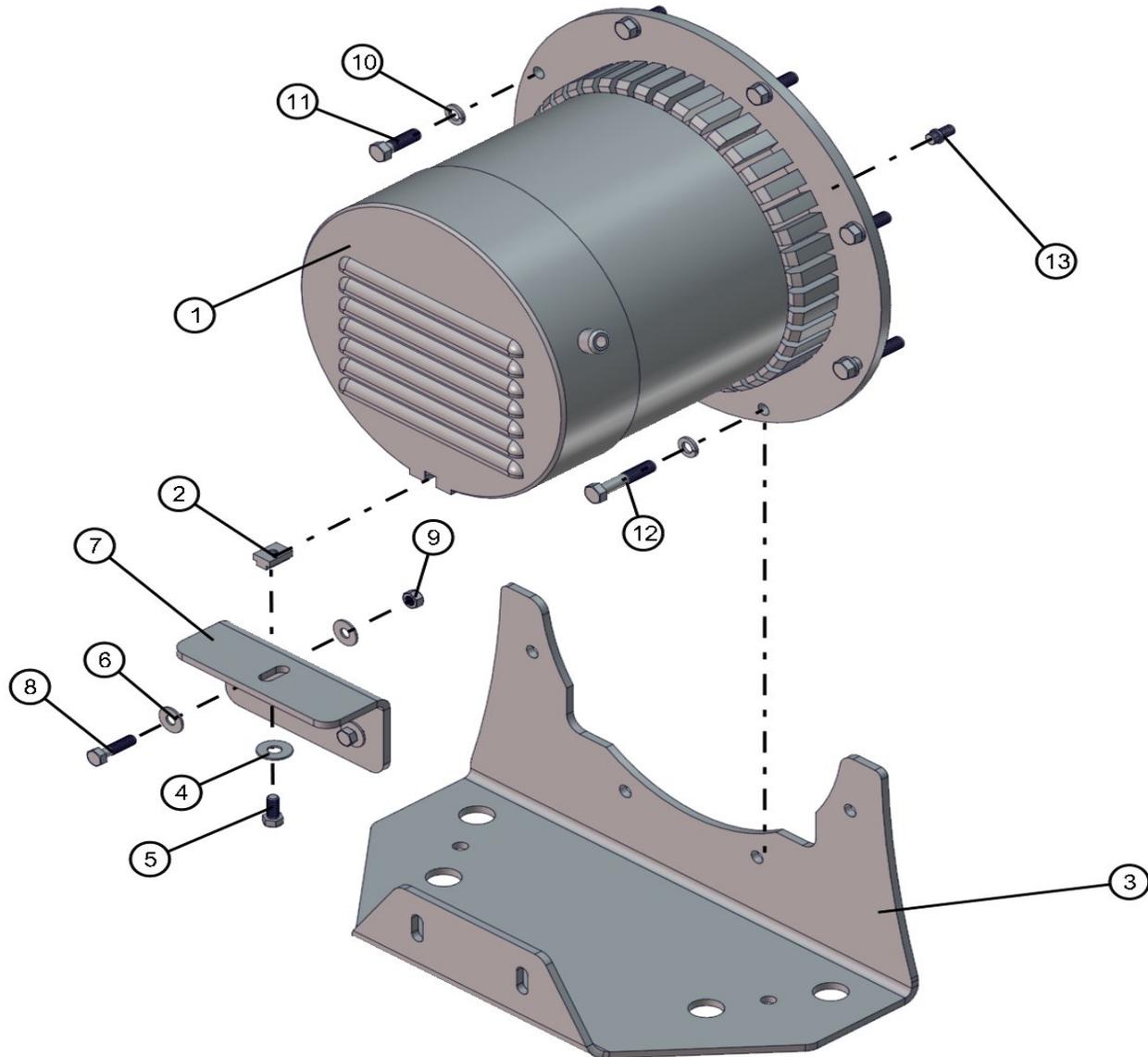
NOTE: ON SOME MODELS A 102692 ATHALON GENERATOR MAY BE USED INSTEAD OF THE 101075 MARATHON GENERATOR.

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

MECC ALTE GENERATOR NIGHT LITE PRO II

4/27/2012

CE SPEC USES - 102612 6kW 50Hz 110CTE MECC ALTE GENERATOR

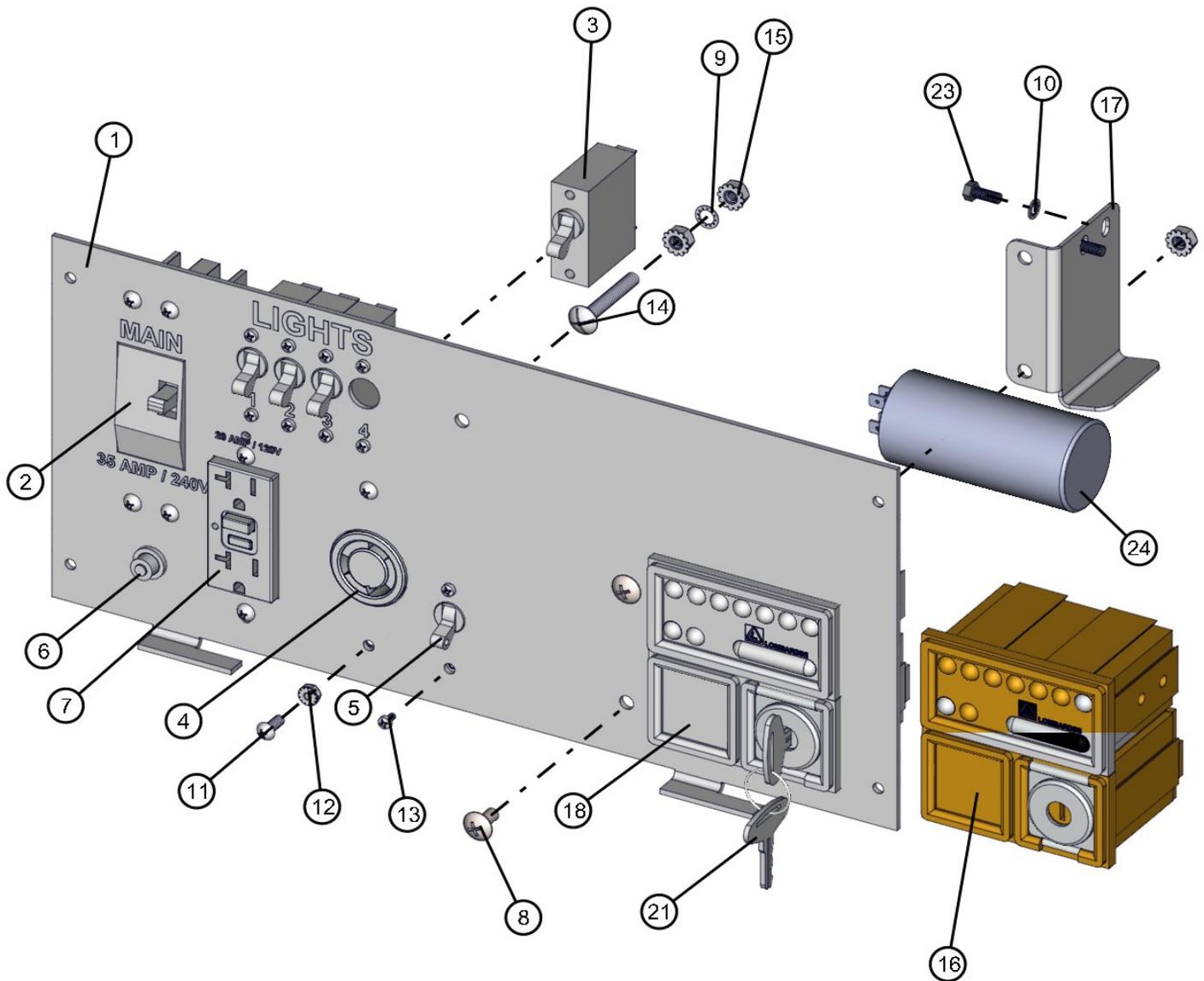


NO	QTY	PARTNO	DESCRIPTION
1	1	100350	MECC ALTE GENERATOR 8 Kw 60 Hz
2	1	100614P	5/16-18 T-SLOT NUT
3	1	109712P	GENERATOR MOUNT
4	1	047015	3/8 FLAT WASHER PL
5	1	046045	5/16-18 X 3/4 HEX HEAD CS GR5 PL
6	4	047010	5/16 FLAT WASHER PL
7	1	109713P	ANGLE BRACKET
8	2	046055	5/16-18 X 1 1/4 HEX HEAD CS GR5 PL
9	2	044030	5/16-18 HEX NUT PL
10	8	043065	3/8 SPLITLOCK WASHER PL
11	4	046115	3/8-16 X 1 1/4 HEX HEAD CS GR5 PL
12	4	046131	3/8-16 X 2 HEX HEAD CS GR8 PL
13	6	046041	5/16-18 x 1/2 12 PT FLANGE HEAD BOLT

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

KOHLER CONTROL PANEL NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	103041P	FACE PLATE
2	1	350354	35 AMP DOUBLE POLE BREAKER
3	4	330458	15A SPST BREAKER SWITCH
4	1	330491	30A 250V TWISTLOCK RECEPTACLE
5	1	330456	30A DPST CIRCUIT BREAKER
6	1	650138	CIRCUIT BREAKER 20A PUSH BUTTON
7	1	330499	20A GFCI RECEPTACLE
8	2	041078	1/4-20 X 1/2 PH-TRUSS HEAD MS SS
9	1	043050	1/4 INTL TOOTH LOCK WASHER
10	2	043015	#10 INTL TOOTH LOCK WASHER PL
11	8	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL

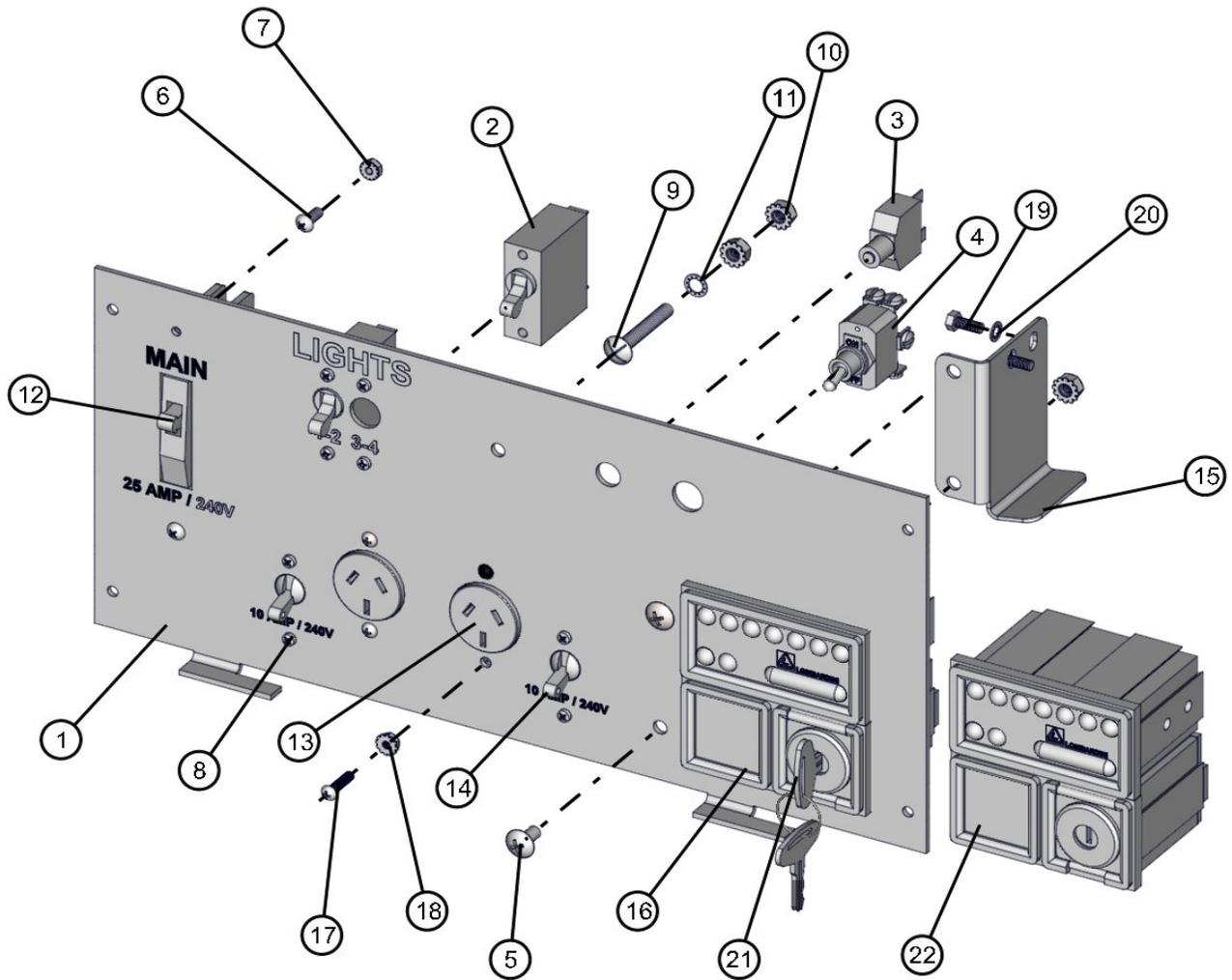
NO	QTY	PARTNO	DESCRIPTION
12	8	044003	#8-32 KEPS HEX NUT PL
13	10	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL
14	1	041053	1/4-20 X 1 3/4 PH-TRUSS HEAD MS SS
15	4	044021	1/4-20 KEPS HEX NUT PL
16	1	103317	KOHLER CONTROL PANEL W/O PIG TAIL
17	1	102803P	MOUNT
18	1	650831	LOMBARDINI CONTROL PANEL W/ PIGTAIL
21	1	650833	KEY DOUBLE SIDED
23	2	046426	M5 X 0.8mm X 12mm HEX HEAD CS
24	1	101074	CAPACITOR (MECC ALTE ONLY)

NS: 103316 - KOHLER WIRING HARNESS FOR CONTROLLER W/O PIGTAIL.
103318 - KOHLER WIRING HARNESS FOR CONTROLLER W/ PIGTAIL.

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

AUSTRALIAN SPEC ONLY AS3000 KOHLER CONTROL PANEL NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	103069P	KOHLER FACE
2	2	330458	15A SPST BREAKER SWITCH
3	1	650105	15A CIRCUIT BREAKER
4	1	310544	TOGGLE SWITCH
5	2	041078	1/4-20 X 1/2 PH-TRUSS HEAD MS SS
6	2	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL
7	2	044003	#8-32 KEPS HEX NUT PL
8	8	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL
9	1	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS
10	4	044021	1/4-20 KEPS HEX NUT PL
11	1	043050	1/4 INTL TOOTH LOCK WASHER
12	1	102898	25A BREAKER SPST

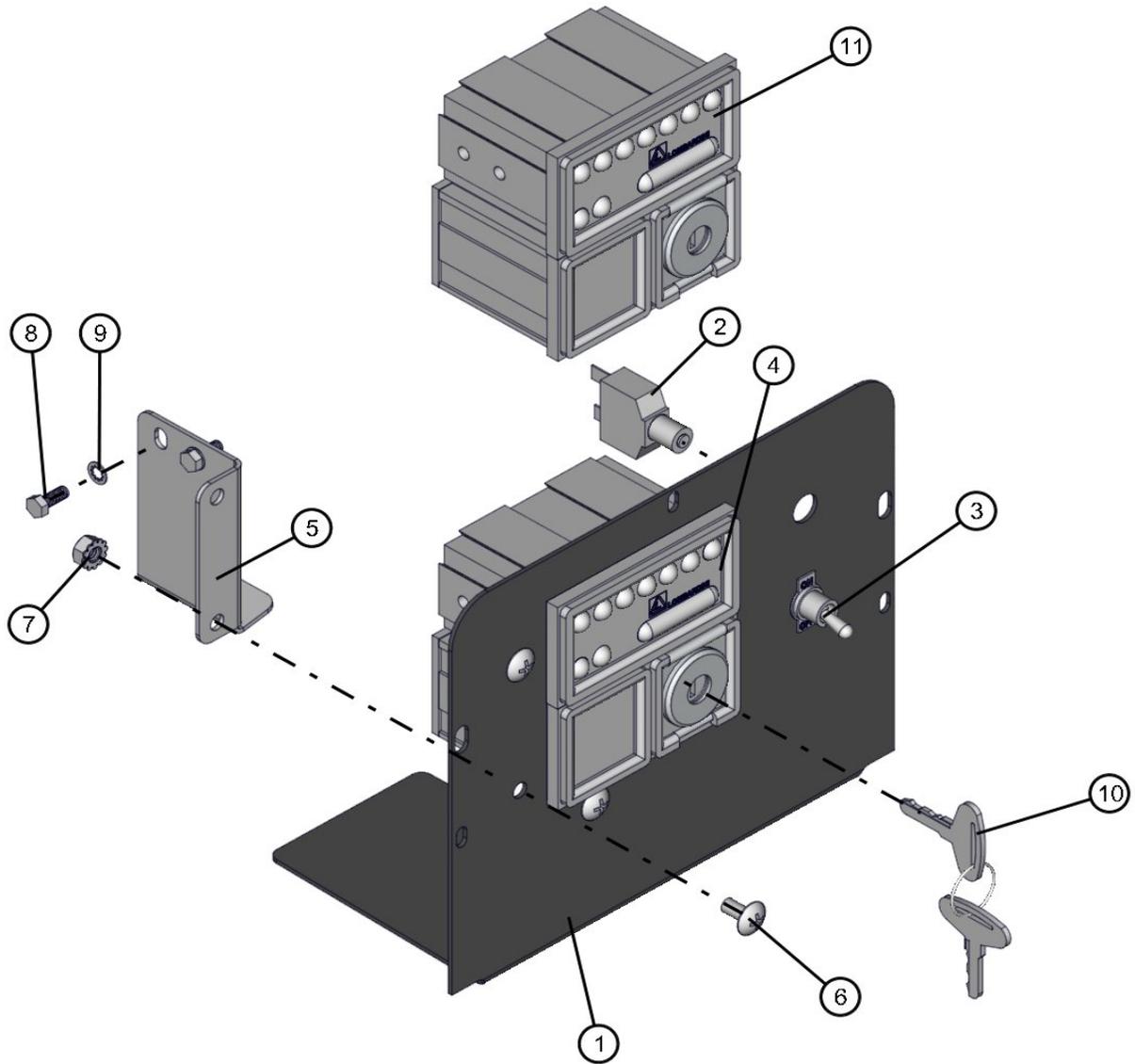
NO	QTY	PARTNO	DESCRIPTION
13	2	102124	AU1-10 240V RECEPTACLE
14	2	102894	10A SPST CIRCUIT BREAKER
15	1	102803P	MOUNT
16	1	650831	LOMBARDINI CONTROL PANEL W/ PIGTAIL
17	4	041042	#8-32 X 3/4 SL-ROUND HEAD MS SS
18	4	044015	#8-32 KEPS HEX NUT SS
19	2	046426	M5 X 0.8mm X 12mm HEX HEAD CS
20	2	043015	#10 INTL TOOTH LOCK WASHER PL
21	1	650833	KEY DOUBLE SIDED (2)
22	1	103317	KOHLER CONTROL PANEL W/O PIG TAIL

NS: 103316 - KOHLER WIRING HARNESS FOR CONTROLLER W/O PIGTAIL
103318 - KOHLER WIRING HARNESS FOR CONTROLLER W/ PIGTAIL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

KOHLER CONTROL PANEL (Old Style) NIGHT LITE PRO II

4/27/2012



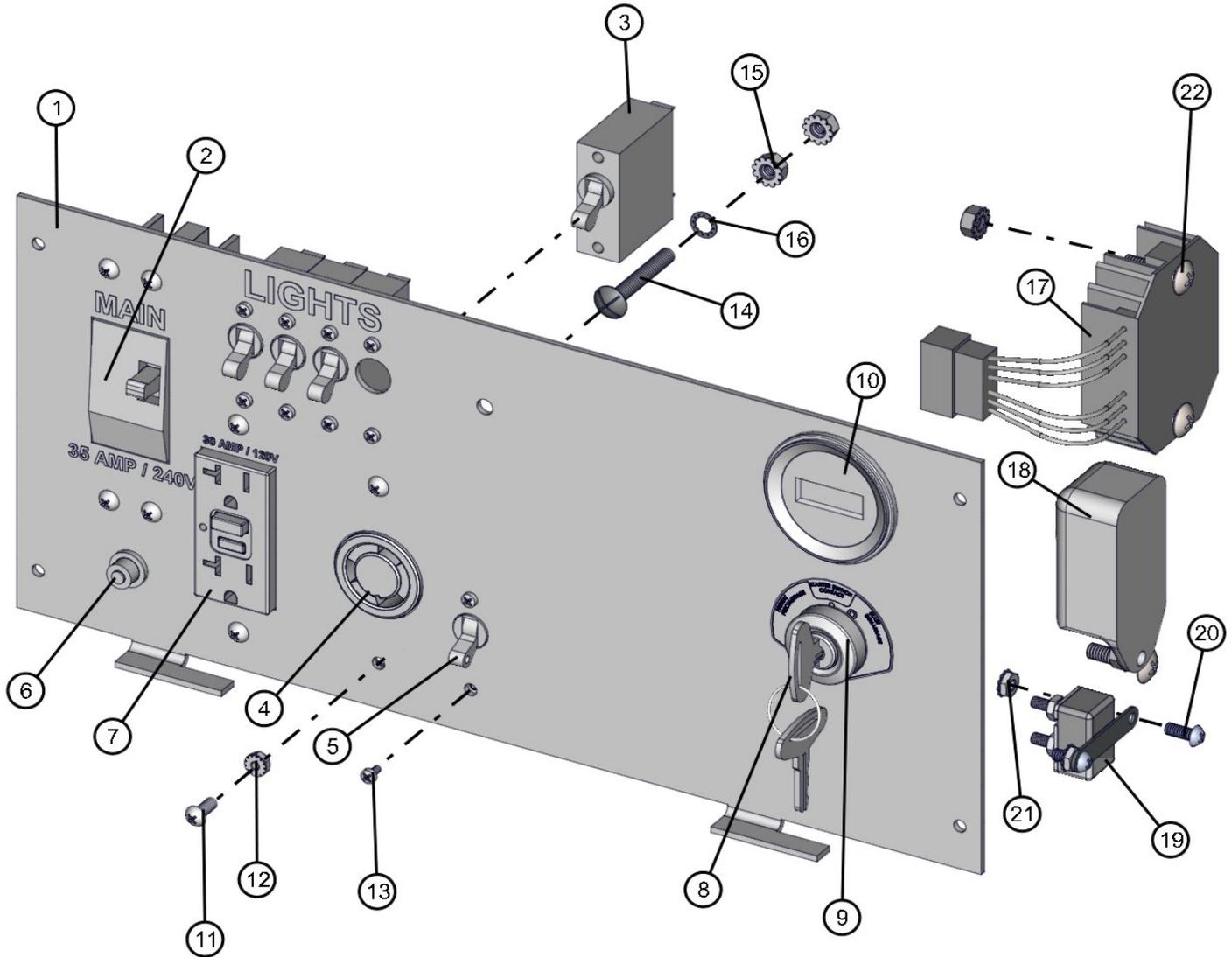
NO	QTY	PARTNO	DESCRIPTION
1	1	102802P	KOHLER PANEL
2	1	650105	15A CIRCUIT BREAKER
3	1	310544	TOGGLE SWITCH
4	1	650831	LOMBARDINI CONTROL PANEL W/ PIGTAIL
5	1	102803P	MOUNT
6	3	041078	1/4-20 X 1/2 PH-TRUSS HEAD MS SS
7	3	044021	1/4-20 KEPS HEX NUT PL
8	2	046426	M5 X 0.8mm X 12mm HEX HEAD CS
9	2	043015	#10 INTL TOOTH LOCK WASHER PL
10	1	650833	KEY DOUBLE SIDED
11	1	103317	KOHLER CONTROL PANEL W/O PIG TAIL

NS: 103316 - WIRING HARNESS FOR CONTROLLER W/O PIG TAIL.
103318 - WIRING HARNESS FOR CONTROLLER W/ PIG TAIL.

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

CAT 1.1 CONTROL PANEL NIGHT LITE PRO II

4/27/2012



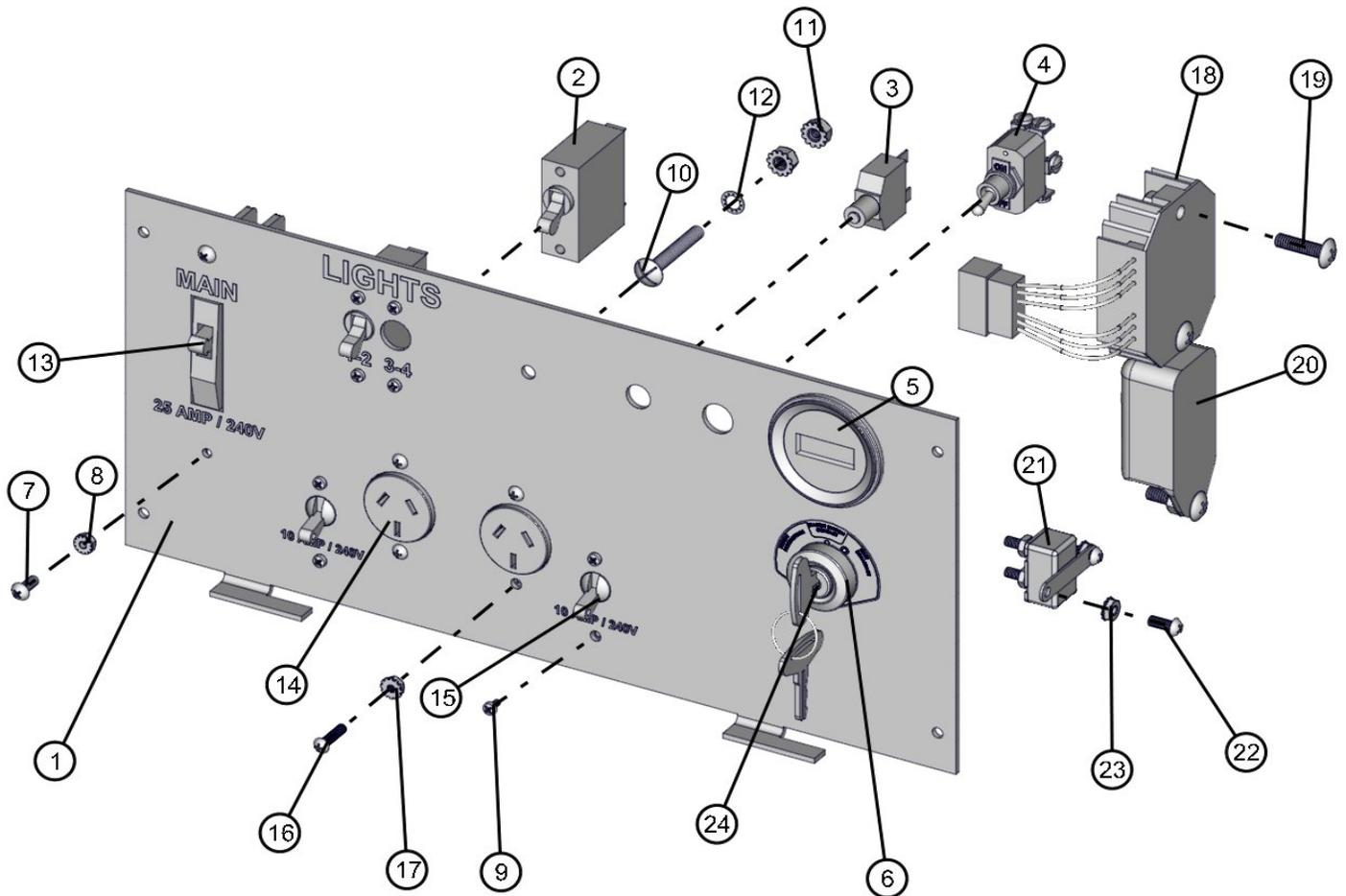
NO	QTY	PARTNO	DESCRIPTION
1	1	103038P	CAT FACE
2	1	350354	35 AMP DOUBLE POLE BREAKER
3	4	330458	15A SPST BREAKER SWITCH
4	1	330491	30A 250V TWISTLOCK RECEPTACLE
5	1	330456	30A DPST CIRCUIT BREAKER
6	1	650138	CIRCUIT BREAKER 20A PUSH BUTTON
7	1	330499	20 A GFCI RECEPTACLE
8	1	920474	IGNITION KEYS (2)
9	1	920475	IGNITION SWITCH KUBOTA W/ KEYS
10	1	340014	HOUR METER
11	8	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL
12	6	044003	#8-32 KEPS HEX NUT PL

NO	QTY	PARTNO	DESCRIPTION
13	10	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL
14	1	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS
15	5	044021	1/4-20 KEPS HEX NUT PL
16	1	043050	1/4 INTL TOOTH LOCK WASHER
17	1	650446	REGULATOR
18	1	650302	TIMER
19	1	650139	30A BREAKER
20	2	041024	#10-24 X 1/2 PH-ROUND HEAD MS SS
21	2	044016	#10-24 KEPS HEX NUT PL
22	3	041080	1/4-20 X 1 PH-TRUSS HEAD MS SS

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

AUSTRALIAN SPEC ONLY AS3000 CAT 1.1 CONTROL PANEL NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	103064P	CAT/KUB FACE
2	2	330458	15A SPST BREAKER SWITCH
3	1	650105	15A CIRCUIT BREAKER
4	1	310544	TOGGLE SWITCH
5	1	340014	HOUR METER
6	1	920475	IGNITION SWITCH KUBOTA W/ KEYS
7	2	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL
8	2	044003	#8-32 KEPS HEX NUT PL
9	8	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL
10	1	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS
11	5	044021	1/4-20 KEPS HEX NUT PL
12	1	043050	1/4 INTL TOOTH LOCK WASHER
13	1	102898	25A BREAKER SPST

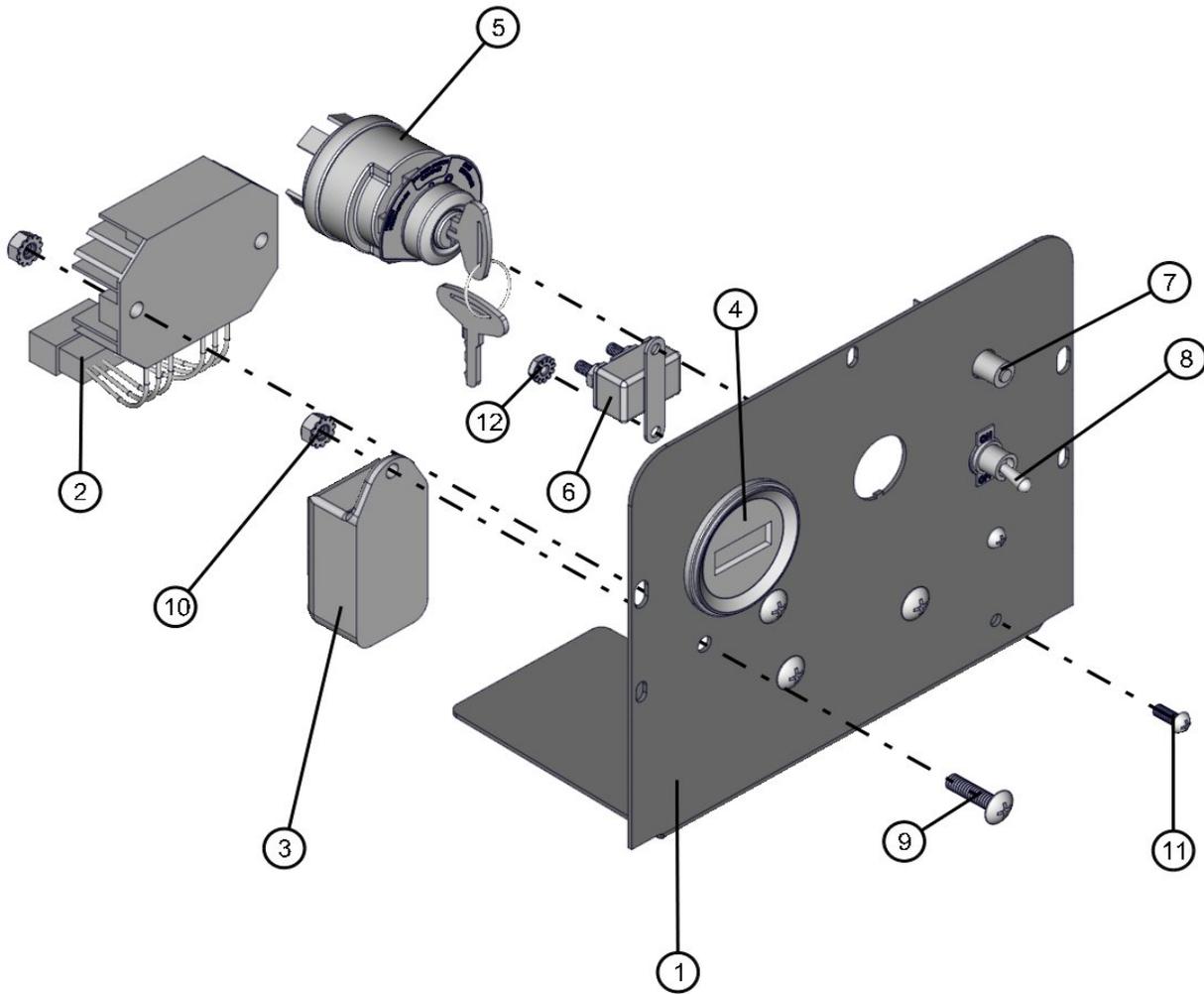
NO	QTY	PARTNO	DESCRIPTION
14	2	102124	AU1-10 240V RECEPTACLE
15	2	102894	10A SPST CIRCUIT BREAKER
16	4	041042	#8-32 X 3/4 SL-ROUND HEAD MS SS
17	4	044015	#8-32 KEPS HEX NUT SS
18	1	650446	REGULATOR
19	3	041080	1/4-20 X 1 PH-TRUSS HEAD MS SS
20	1	650302	TIMER
21	1	650139	30A BREAKER
22	2	041024	#10-24 X 1/2 PH-ROUND HEAD MS SS
23	2	044016	#10-24 KEPS HEX NUT PL
24	1	920474	IGNITION KEYS (2)

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

CAT CONTROL PANEL (Old Style)

NIGHT LITE PRO II

4/27/2012

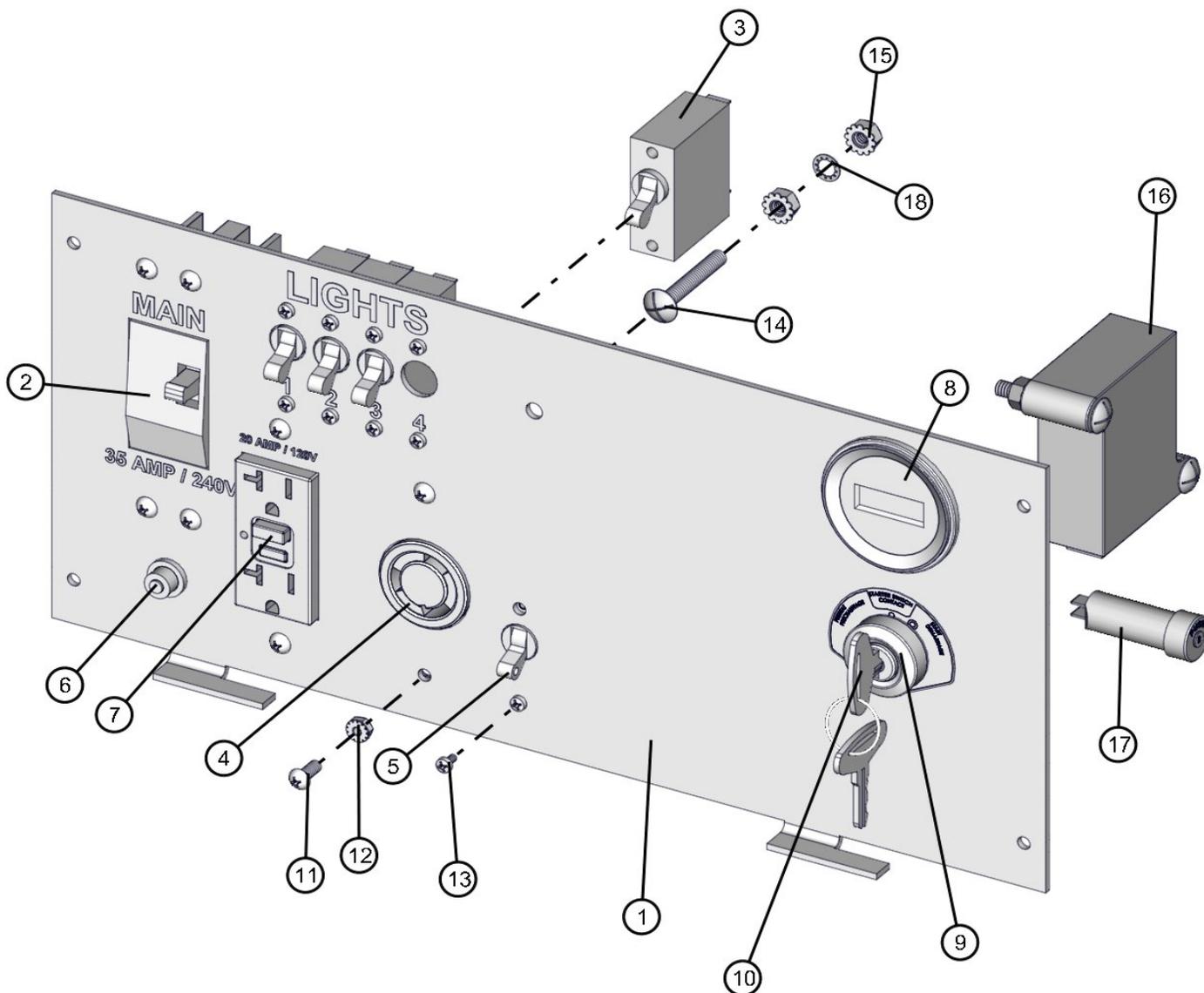


NO	QTY	PARTNO	DESCRIPTION
1	1	102806P	CAT 1.1 PANEL
2	1	650446	VOLTAGE REGULATOR
3	1	650302	TIMER
4	1	340014	HOUR METER
5	1	920475	IGNITION SWITCH KUBOTA W/ KEYS
6	1	650139	30A BREAKER
7	1	650105	15A CIRCUIT BREAKER
8	1	310544	TOGGLE SWITCH
9	4	041080	1/4-20 X 1 PH-TRUSS HEAD MS SS
10	5	044021	1/4-20 KEPS HEX NUT PL
11	2	041021	#10-24 X 1/2 PH-ROUND HEAD MS PL
12	2	044016	#10-24 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

KUBOTA CONTROL PANEL NIGHT LITE PRO II

4/27/2012



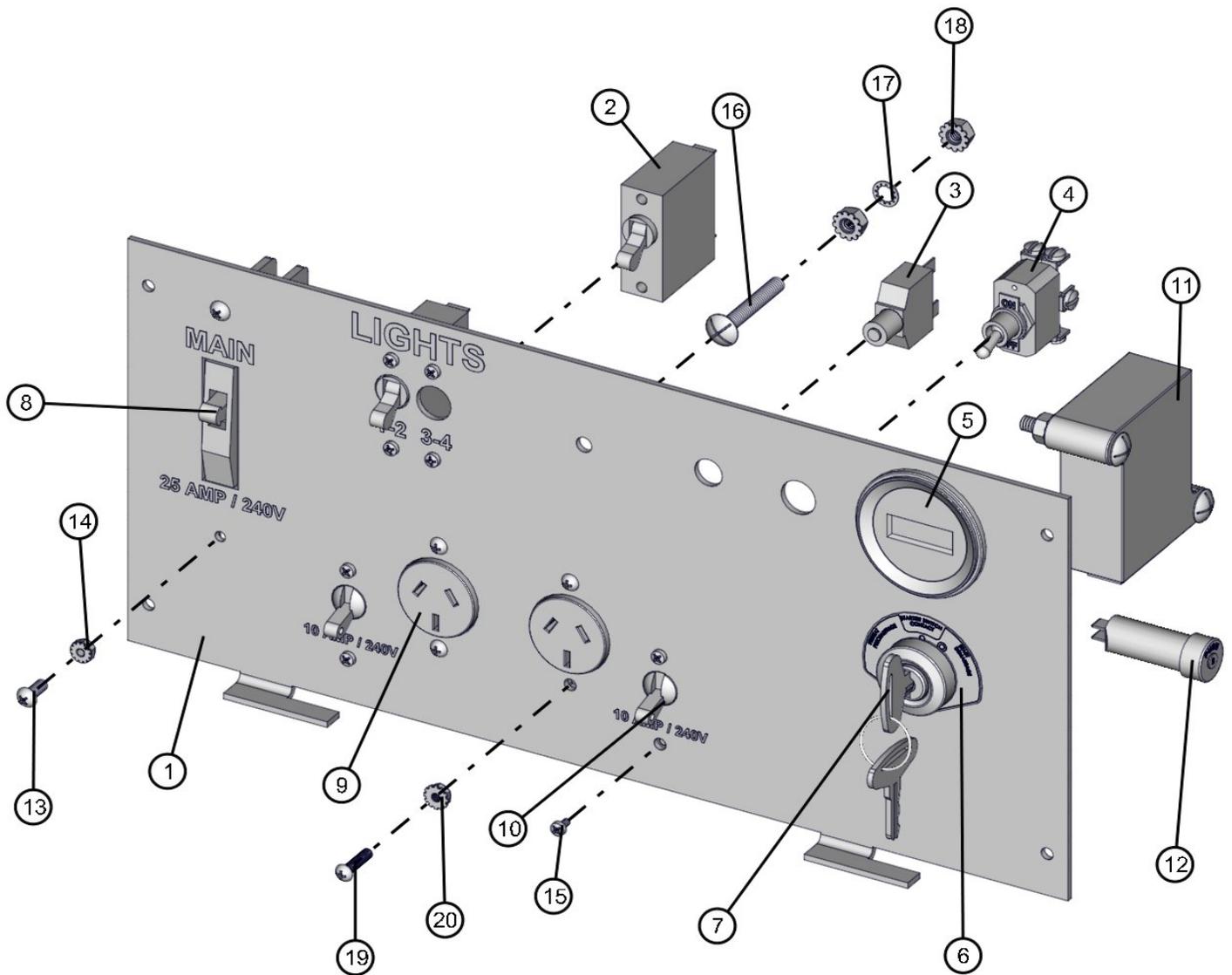
NO	QTY	PARTNO	DESCRIPTION
1	1	103038P	CAT C1.1 FACE
2	1	350354	35 AMP DOUBLE POLE BREAKER
3	4	330458	15A SPST BREAKER SWITCH
4	1	330491	30A 250V TWISTLOCK RECEPTACLE
5	1	330456	30A DPST CIRCUIT BREAKER
6	1	650138	CIRCUIT BREAKER 20A PUSH BUTTON
7	1	330499	20 A GFCI RECEPTACLE
8	1	340014	HOUR METER
9	1	920475	IGNITION SWITCH KUBOTA W/ KEYS
10	1	920474	IGNITION KEYS (2)

NO	QTY	PARTNO	DESCRIPTION
11	8	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL
12	8	044003	#8-32 KEPS HEX NUT PL
13	10	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL
14	3	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS
15	4	044021	1/4-20 KEPS HEX NUT PL
16	1	102577	KUBOTA TIMER MODULE
17	1	352466	CIRCUIT BREAKER 2 AMP
18	1	043050	1/4 INTL TOOTH LOCK WASHER

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

AUSTRALIAN SPEC ONLY AS3000 KUBOTA CONTROL PANEL NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	103064P	CAT/KUB FACE
2	2	330458	15A SPST BREAKER SWITCH
3	1	650105	15A CIRCUIT BREAKER
4	1	310544	TOGGLE SWITCH
5	1	340014	HOUR METER
6	1	920475	IGNITION SWITCH KUBOTA W/ KEYS
7	1	920474	IGNITION KEYS (2)
8	1	102898	25A BREAKER SPST
9	2	102124	AU1-10 240V RECEPTACLE
10	2	102894	10A SPST CIRCUIT BREAKER
11	1	102577	TIMER MODULE

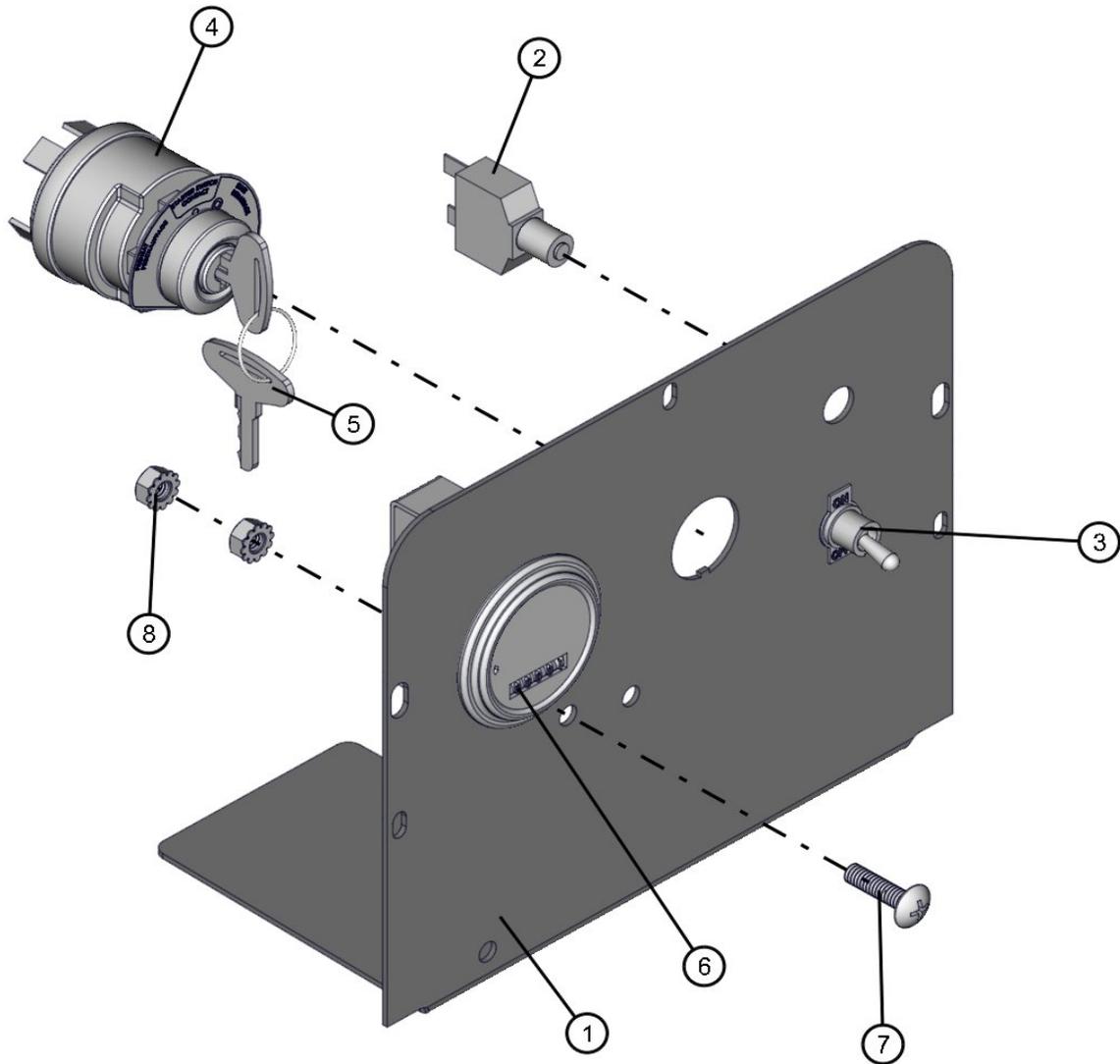
NO	QTY	PARTNO	DESCRIPTION
12	1	352466	CIRCUIT BREAKER 2 AMP
13	2	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL
14	2	044003	#8-32 KEPS HEX NUT PL
15	8	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL
16	1	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS
17	1	043050	1/4 INTL TOOTH LOCK WASHER
18	2	044021	1/4-20 KEPS HEX NUT PL
19	4	041042	#8-32 X 3/4 PH-ROUND HEAD MS SS
20	4	044015	#8-32 KEPS HEX NUT SS

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

KUBOTA CONTROL PANEL (Old Style)

NIGHT LITE PRO II

4/27/2012

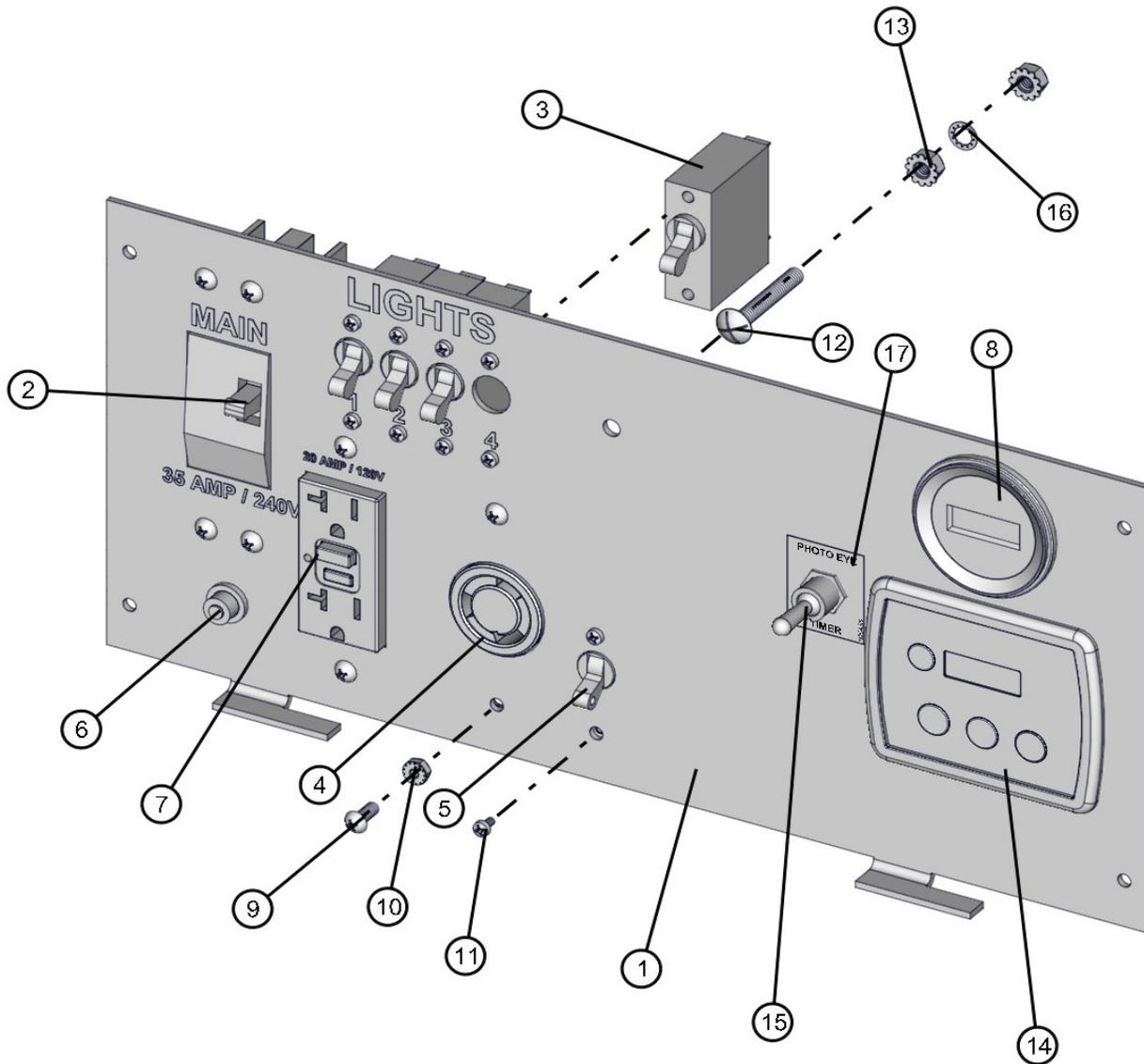


NO	QTY	PARTNO	DESCRIPTION
1	1	102804P	CONTROL PANEL
2	1	650105	15A CIRCUIT BREAKER
3	1	310544	TOGGLE SWITCH
4	1	920475	IGNITION SWITCH KUBOTA W/ KEYS
5	1	920474	IGNITION KEYS (2)
6	1	340014	HOUR METER
7	1	041080	1/4-20 X 1 PH-TRUSS HEAD MS SS
8	2	044021	1/4-20 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

KUBOTA DEEP SEA CONTROL PANEL NIGHT LITE PRO II

4/27/2012



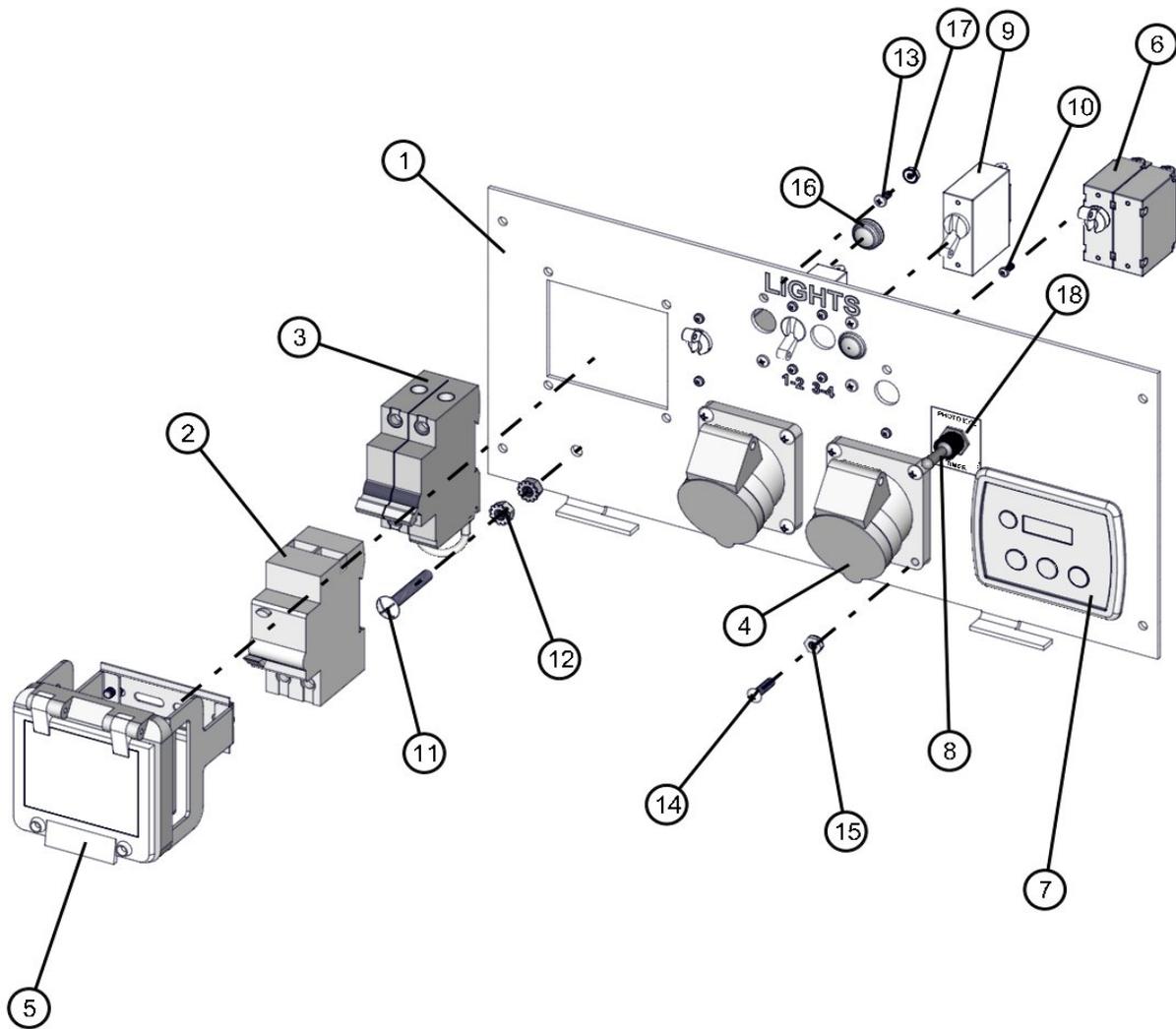
NO	QTY	PARTNO	DESCRIPTION
1	1	103079P	FACE PLATE
2	1	350354	35 AMP DOUBLE POLE BREAKER
3	4	330458	15A SPST BREAKER SWITCH
4	1	330491	30A 250V TWISTLOCK RECEPTACLE
5	1	330456	30A DPST CIRCUIT BREAKER
6	1	650138	CIRCUIT BREAKER 20A PUSH BUTTON
7	1	330499	20 A GFCI RECEPTACLE
8	1	340014	HOUR METER
9	8	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL

NO	QTY	PARTNO	DESCRIPTION
10	8	044003	#8-32 KEPS HEX NUT PL
11	10	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL
12	1	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS
13	2	044021	1/4-20 KEPS HEX NUT PL
14	1	102537	DEEP SEA 3110 CONTROLLER
15	1	530123	20A TOGGLE SWITCH
16	1	043050	1/4 INTL TOOTH LOCK WASHER
17	1	090438	PHOTO EYE TIMER DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

CE SPEC KUBOTA DEEP SEA CONTROL PANEL NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	102986P	CONTROL BOX FACE
2	1	A109602	VIGI C60 ELD
3	1	A109603	63A DP CIRCUIT BREAKER
4	2	A109605	16A 110V RECEPTACLE
5	1	A109608	CIRCUIT BREAKER COVER
6	2	650530	BREAKER SWITCH
7	1	102537	DEEP SEA 3110 CONTROLLER
8	1	530123	20A TOGGLE SWITCH
9	2	650127	25A SPST NIKKO CIRCUIT BREAKER
10	8	041251	M3 X 0.5mm X 8mm PH-PAN HEAD MS ZC

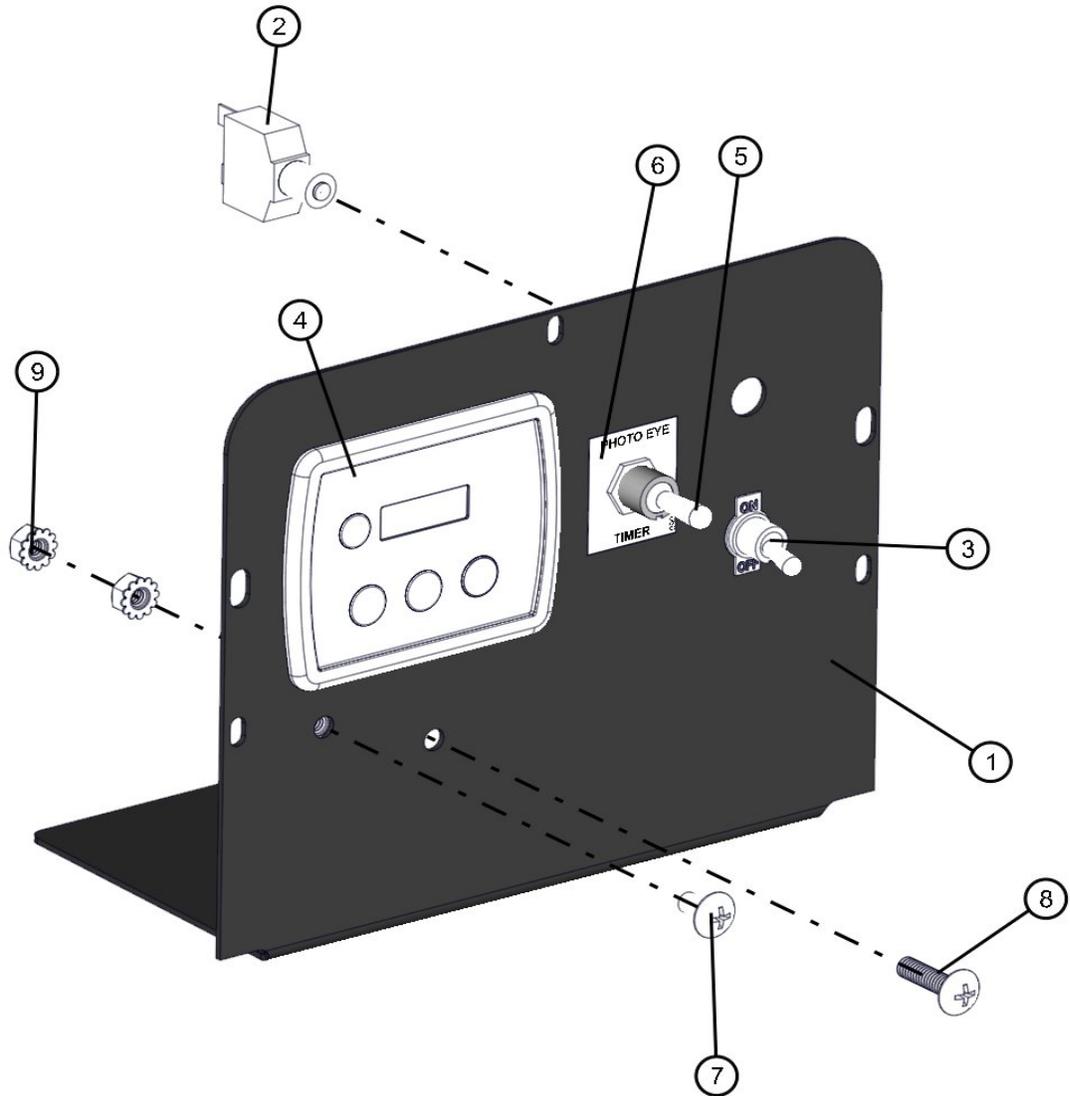
NO	QTY	PARTNO	DESCRIPTION
11	1	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS
12	2	044021	1/4-20 KEPS HEX NUT PL
13	4	041017	#6-32 X 3/8 PH-PAN HEAD MS PL
14	8	041027	#10-24 X 3/4 PH-ROUND HEAD MS
15	8	044018	#10-24 NYLOCK HEX NUT PL
16	2	433328	1/2 PLASTIC PLUG
17	4	044004	#6-32 KEPS HEX NUT PL
18	1	090438	PHOTO EYE TIMER DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

KUBOTA DEEP SEA CONTROL PANEL (Old Style)

NIGHT LITE PRO II

4/27/2012

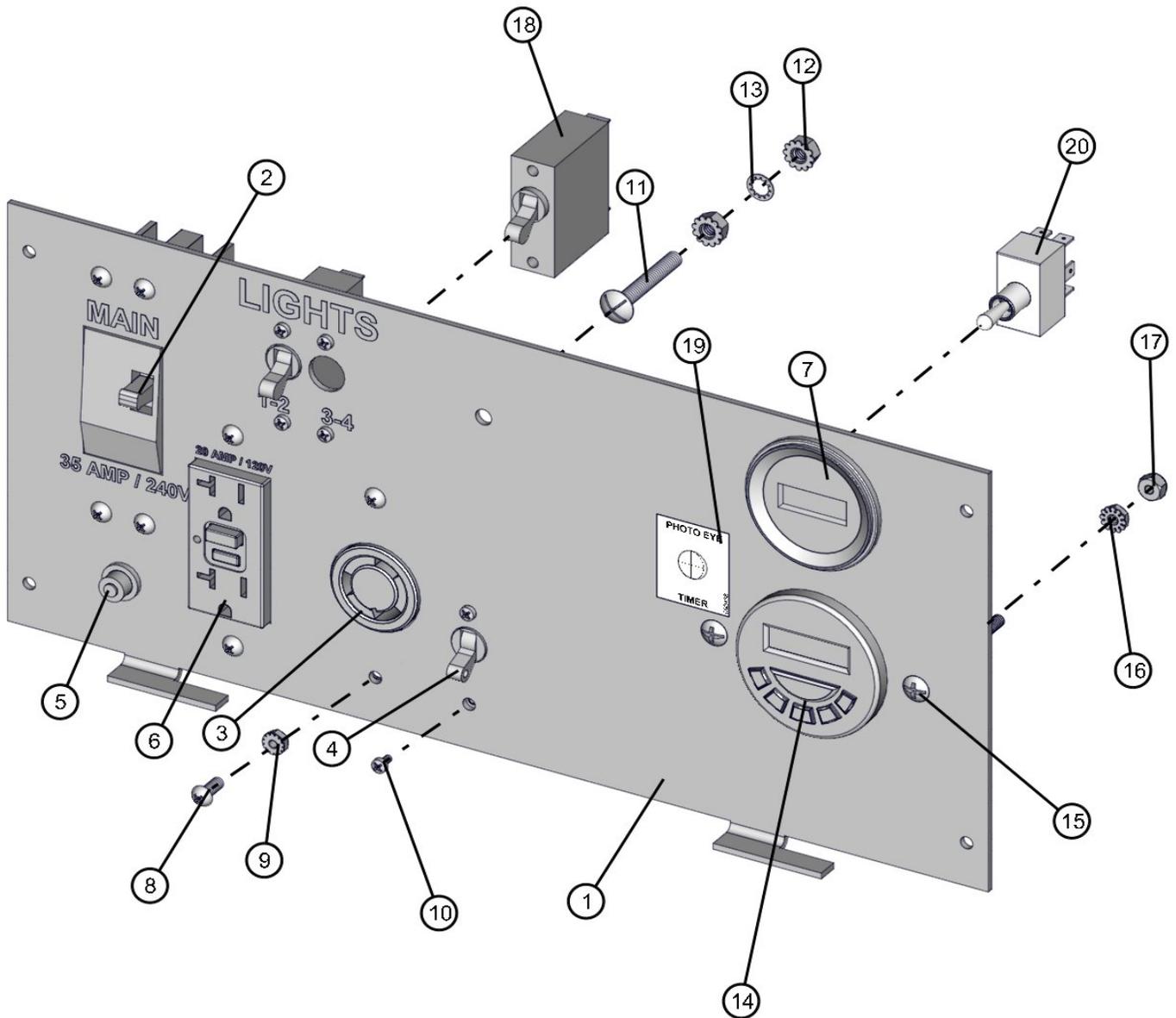


NO	QTY	PARTNO	DESCRIPTION
1	1	102805P	CONTROL PANEL
2	1	650105	15A CIRCUIT BREAKER
3	1	310544	TOGGLE SWITCH
4	1	102537	DEEP SEA 3110 CONTROLLER
5	1	530123	20A TOGGLE SWITCH
6	1	090438	PHOTO EYE TIMER DECAL
7	1	041078	1/4-20 X 1/2 PH-TRUSS HEAD MS SS
8	1	041080	1/4-20 X 1 PH-TRUSS HEAD MS SS
9	3	044021	1/4-20 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LSC CONTROL PANEL NIGHT LITE PRO II

4/27/2012



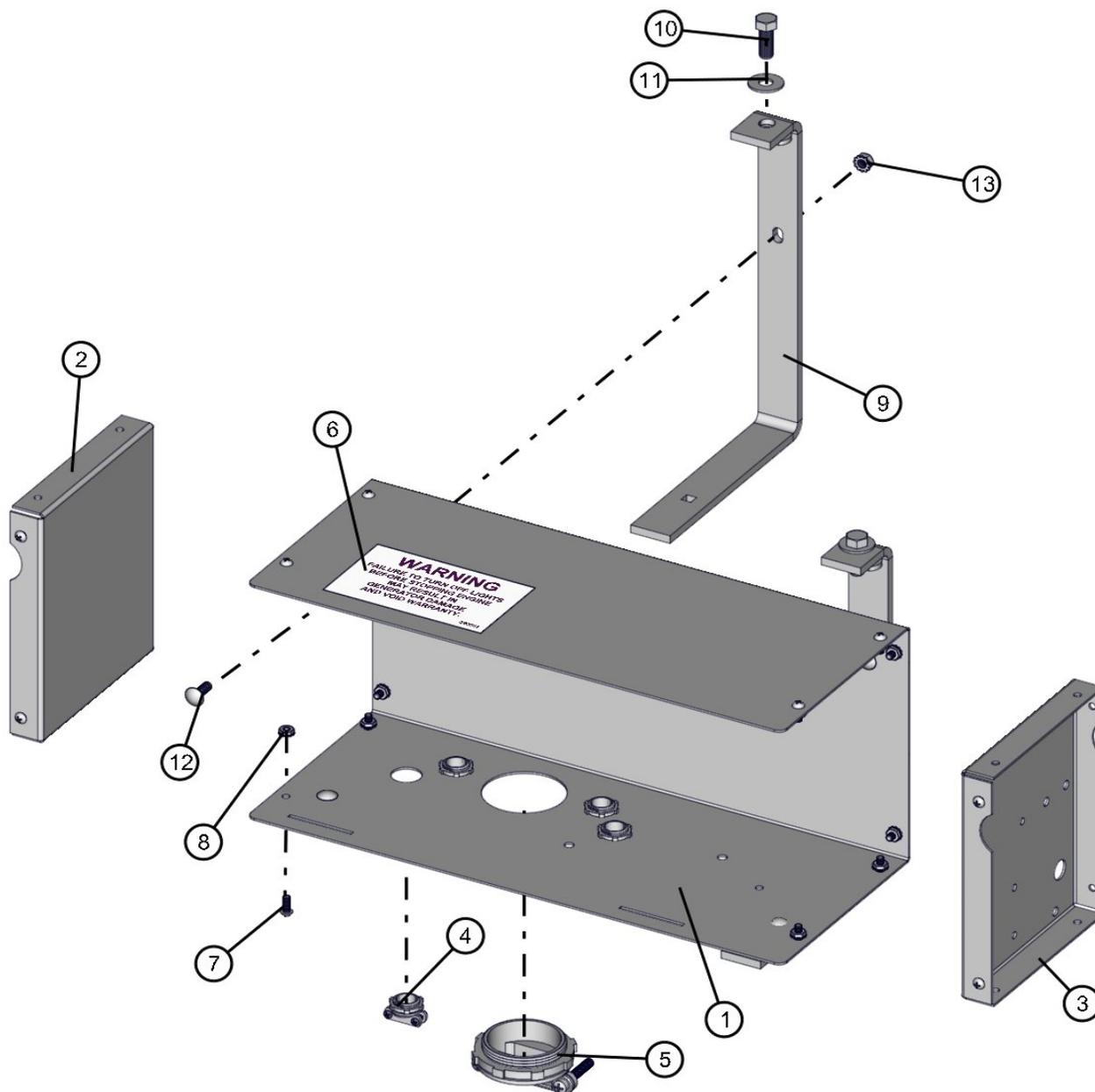
NO	QTY	PARTNO	DESCRIPTION
1	1	103065P	LSC FACE
2	1	350354	35 AMP DOUBLE POLE BREAKER
3	1	330491	30A 250V TWISTLOCK RECEPTACLE
4	1	330456	30A DPST CIRCUIT BREAKER
5	1	650138	CIRCUIT BREAKER 20A PUSH BUTTON
6	1	330499	20 A GFCI RECEPTACLE
7	1	340014	HOUR METER
8	8	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL
9	8	044003	#8-32 KEPS HEX NUT PL
10	6	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL
11	1	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS

NO	QTY	PARTNO	DESCRIPTION
12	2	044021	1/4-20 KEPS HEX NUT PL
13	1	043050	1/4 INTL TOOTH LOCK WASHER
14	1	352471	TIMER 24 HR DIGITAL
15	2	041045	#10-24 X 2 1/2 PH-ROUND HEAD MS PL
16	2	044016	#10-24 KEPS HEX NUT PL
17	2	044019	#10-24 NYLOC HEX NUT SS
18	2	650104	25A SPST BREAKER SWITCH
19	1	090438	PHOTO EYE TIMER DECAL
20	1	650754	SWITCH DPDT 15A

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

CONTROL BOX NIGHT LITE PRO II

4/27/2012

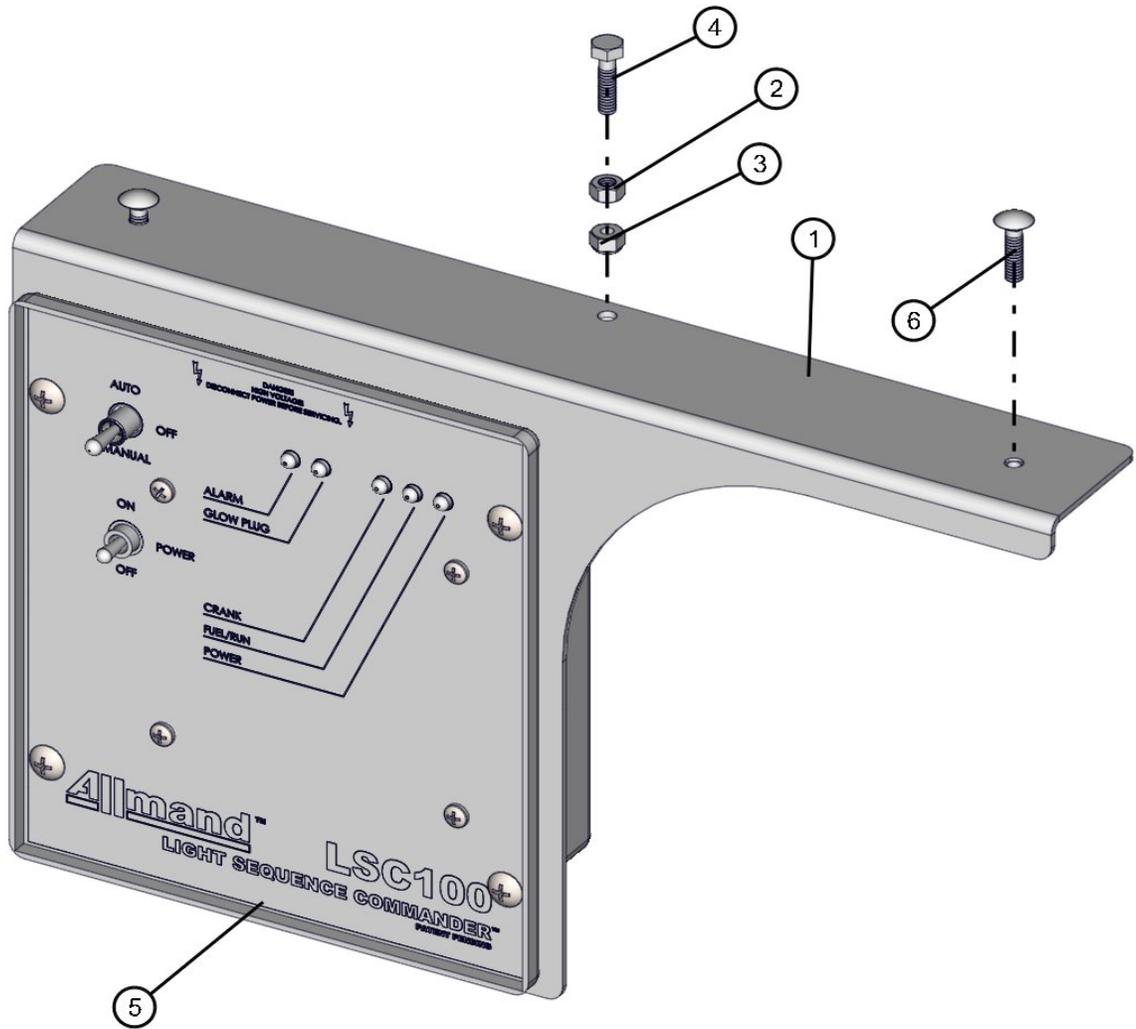


NO	QTY	PARTNO	DESCRIPTION
1	1	103035P	SHELL
2	1	103036P	LT SIDE
3	1	103045P	RT SIDE
4	4	022020	3/8 2 SCREW CLAMP
5	1	102946	2" ROMEX CLAMP 2 SCREW
6	1	090084	TURN OFF LIGHTS DECAL
7	16	041021	#10-24 X 1/2 PH-ROUND HEAD MS PL
8	16	044016	#10-24 KEPS HEX NUT PL
9	2	103046P	HANGER
10	2	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
11	2	047015	3/8 FLAT WASHER PL
12	4	053006	1/4-20 X 3/4 CARRIAGE BOLT
13	4	044021	1/4-20 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LSC CONTROL BRACKET NIGHT LITE PRO II

4/27/2012



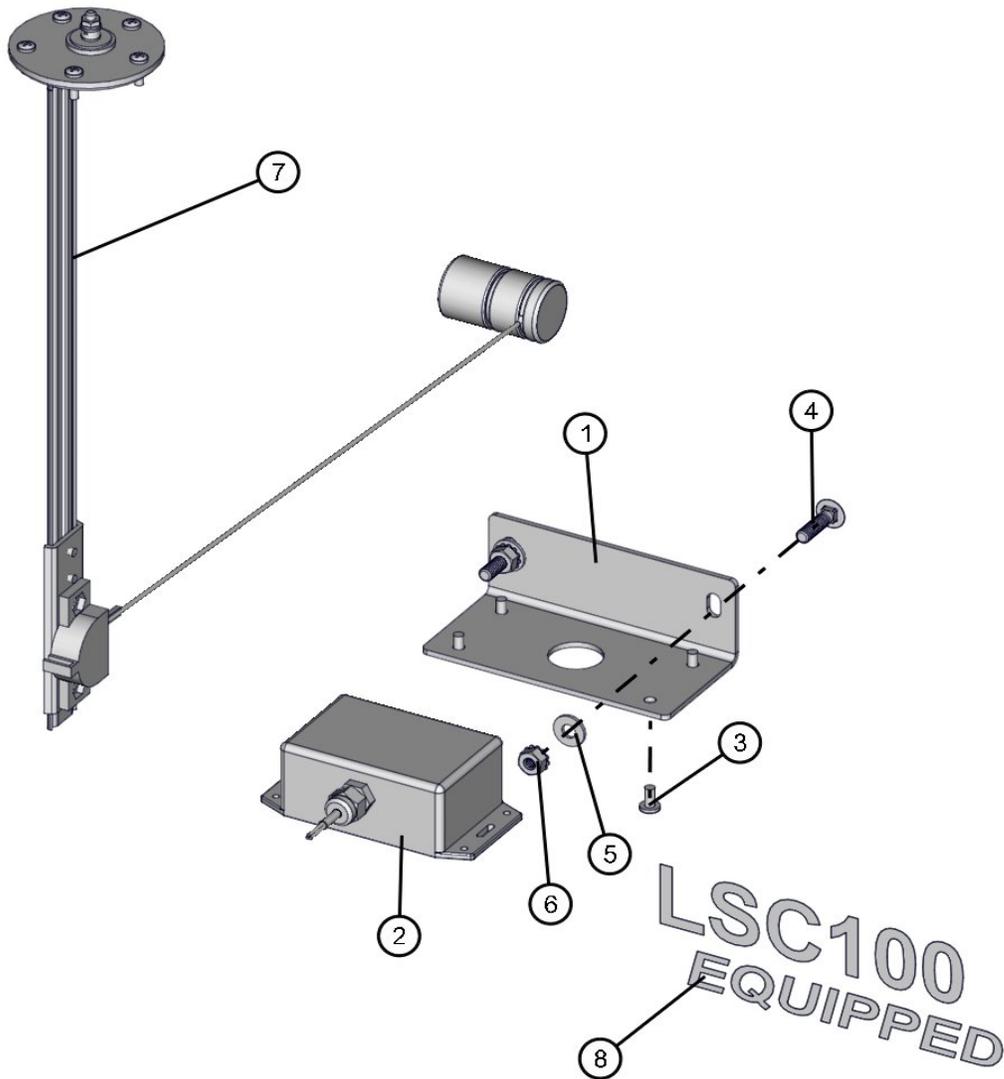
NO	QTY	PARTNO	DESCRIPTION
1	1	103076P	MOUNT
2	1	044020	1/4-20 HEX NUT PL
3	1	044023	1/4-20 NYLOCK HEX NUT PL
4	1	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
5	1	650716	LSC CONTROLER
6	2	100342	1/4-20 X 1 CARRIAGE BOLT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LSC PHOTO CELL & COMPONENTS

NIGHT LITE PRO II

4/27/2012

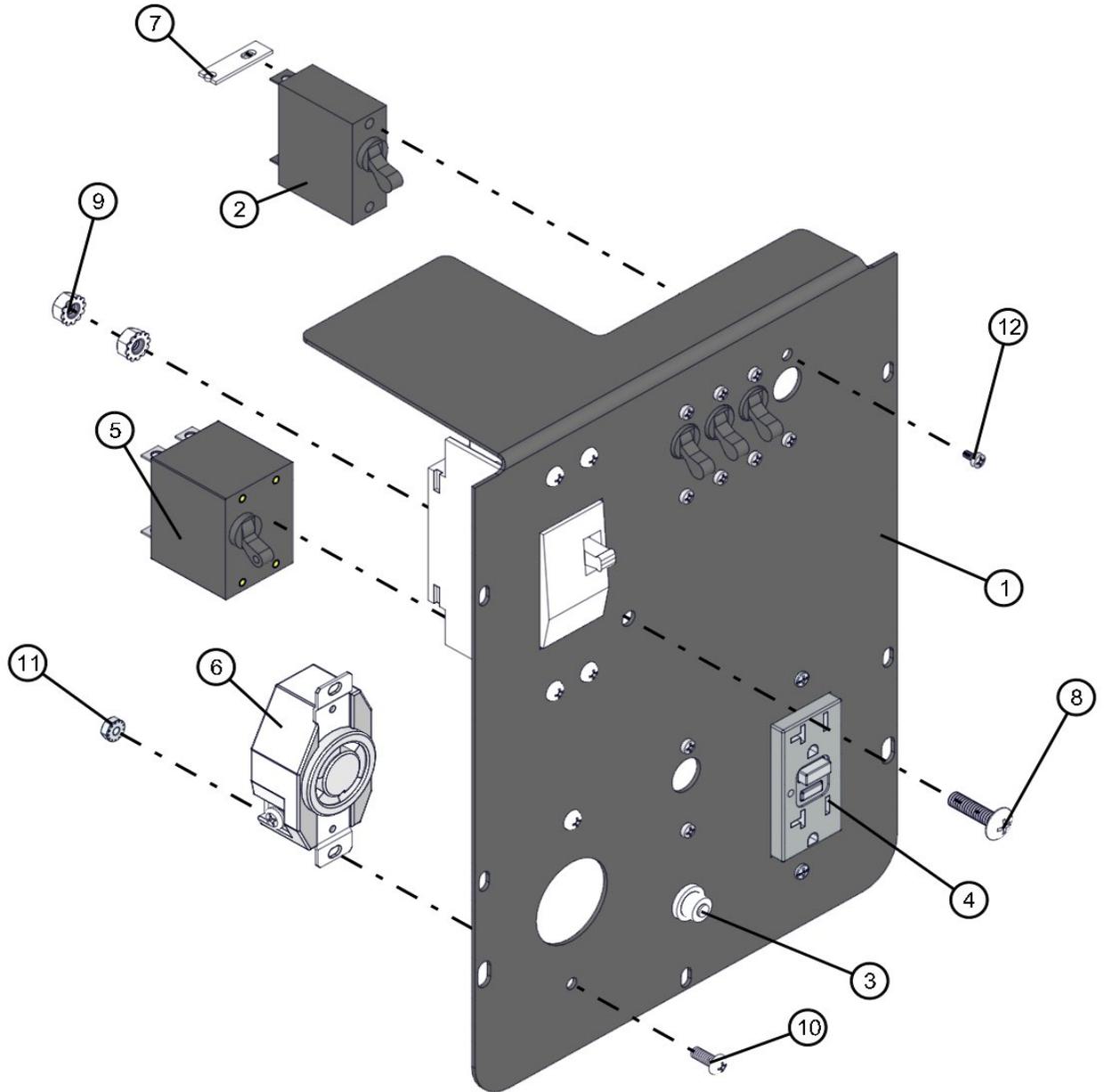


NO	QTY	PARTNO	DESCRIPTION
1	1	103074P	PHOTO CELL MOUNT
2	1	650755	LSC PHOTOCELL
3	4	041019	#10-32 X 3/8 PH-ROUND HEAD MS PL
4	2	100342	1/4-20 X 1 CARRIAGE BOLT PL
5	2	047005	1/4 FLAT WASHER PL
6	2	044021	1/4-20 KEPS HEX NUT PL
7	1	352479	ISSPRO FUEL LEVEL SENDER
8	1	090477	LSC100 DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

OUTLET PANEL (Old Style) NIGHT LITE PRO II

4/27/2012



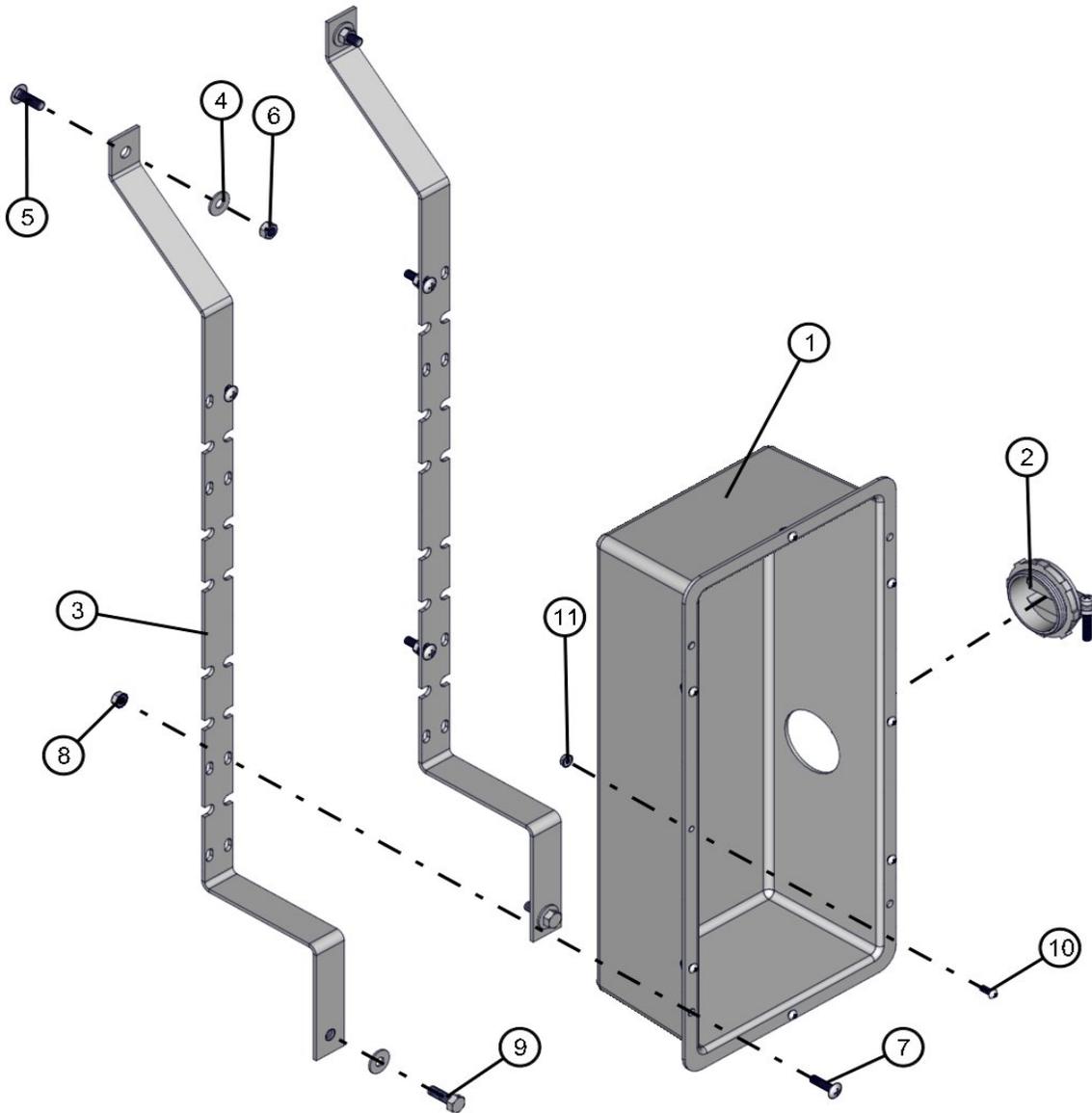
NO	QTY	PARTNO	DESCRIPTION
1	1	102807P	OUTLET PANEL
2	4	330458	15A SPST BREAKER SWITCH
3	1	650138	CIRCUIT BREAKER 20A PUSH BUTTON
4	1	330499	20 A GFCI RECEPICAL
5	1	330456	30A DPST CIRCUIT BREAKER
6	1	330491	30A 250V TWISTLOCK RECEPTACLE
7	2	620560	BUSS BAR
8	1	041080	1/4-20 X 1 PH-TRUSS HEAD MS SS
9	2	044021	1/4-20 KEPS HEX NUT PL
10	6	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL
11	6	044003	#8-32 KEPS HEX NUT PL
12	10	041018	#6-32 X 1/4 PH-ROUND HEAD MS PL

103006 - 120V 20A OUTLET OPTION
651018 - 240V 30A NEMA OPTION

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

OUTLET BOX MOUNT (Old Style) NIGHT LITE PRO II

4/27/2012

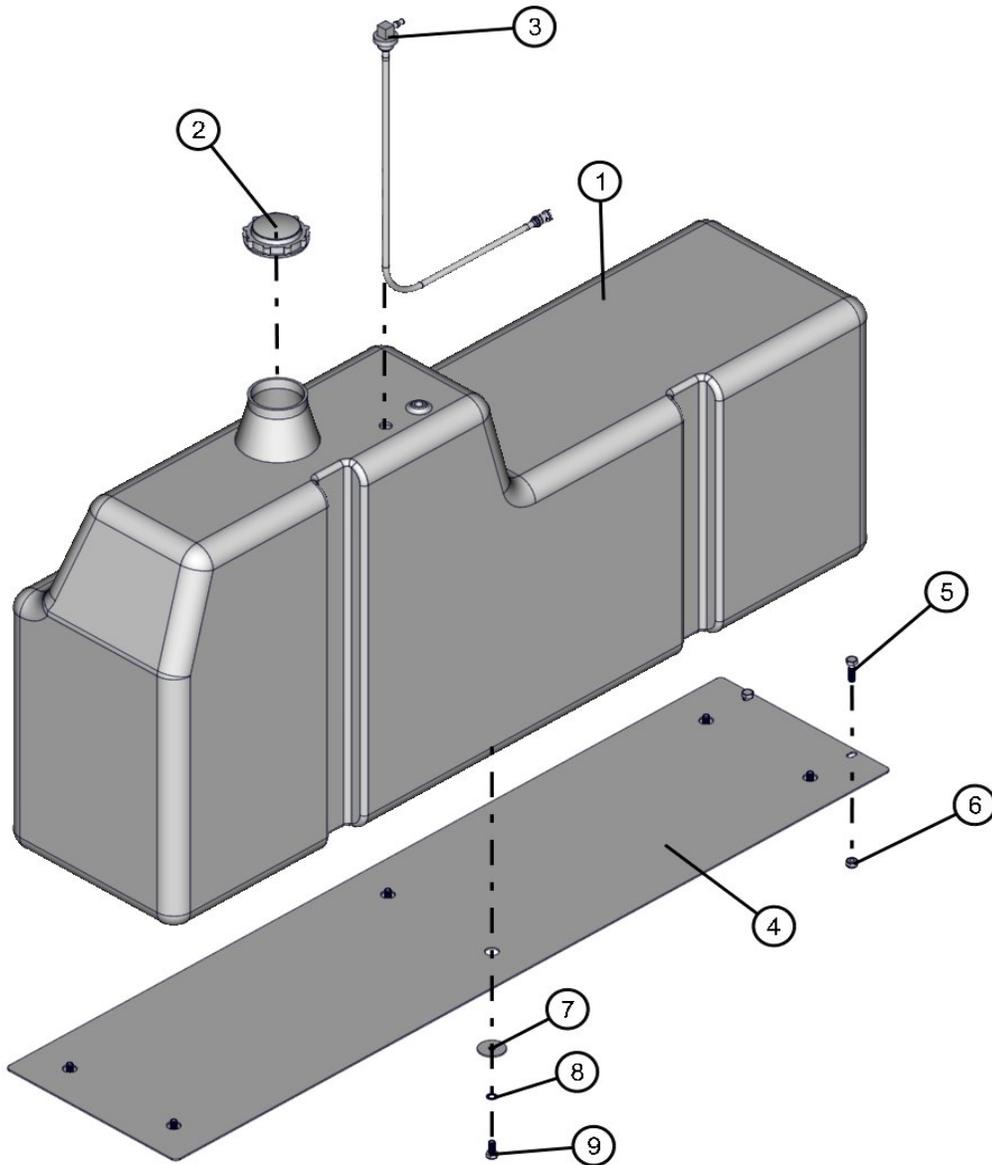


NO	QTY	PARTNO	DESCRIPTION
1	1	102752	BOX TOP
2	1	102946	2" ROMEX CLAMP 2 SCREW
3	2	102843P	MOUNT
4	4	047010	5/16 FLAT WASHER PL
5	2	053020	5/16-18 X 1 CARRIAGE BOLT PL
6	2	044030	5/16-18 HEX NUT PL
7	4	041080	1/4-20 X 1 PH-TRUSS HEAD MS SS
8	4	044021	1/4-20 KEPS HEX NUT PL
9	2	046050	5/16-18 X 1 HEX HEAD CS GR5 PL
10	8	041013	#8-32 X 1/2 PH-ROUND HEAD MS PL
11	8	044015	#8-32 KEPS HEX NUT SS

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

FUEL TANK NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	650108	FUEL TANK
2	1	340027	FUEL CAP
3	1	340025	FUEL SUCTION TUBE
4	1	102800P	PLATE
5	2	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
6	2	044023	1/4-20 NYLOCK HEX NUT PL
7	6	047007	1/4 X 1 1/4 X .056 FENDER WASHER
8	6	043050	1/4 INTL TOOTH LOCK WASHER
9	6	046006	1/4-20 X 5/8 HEX HEAD CS GR5 PL

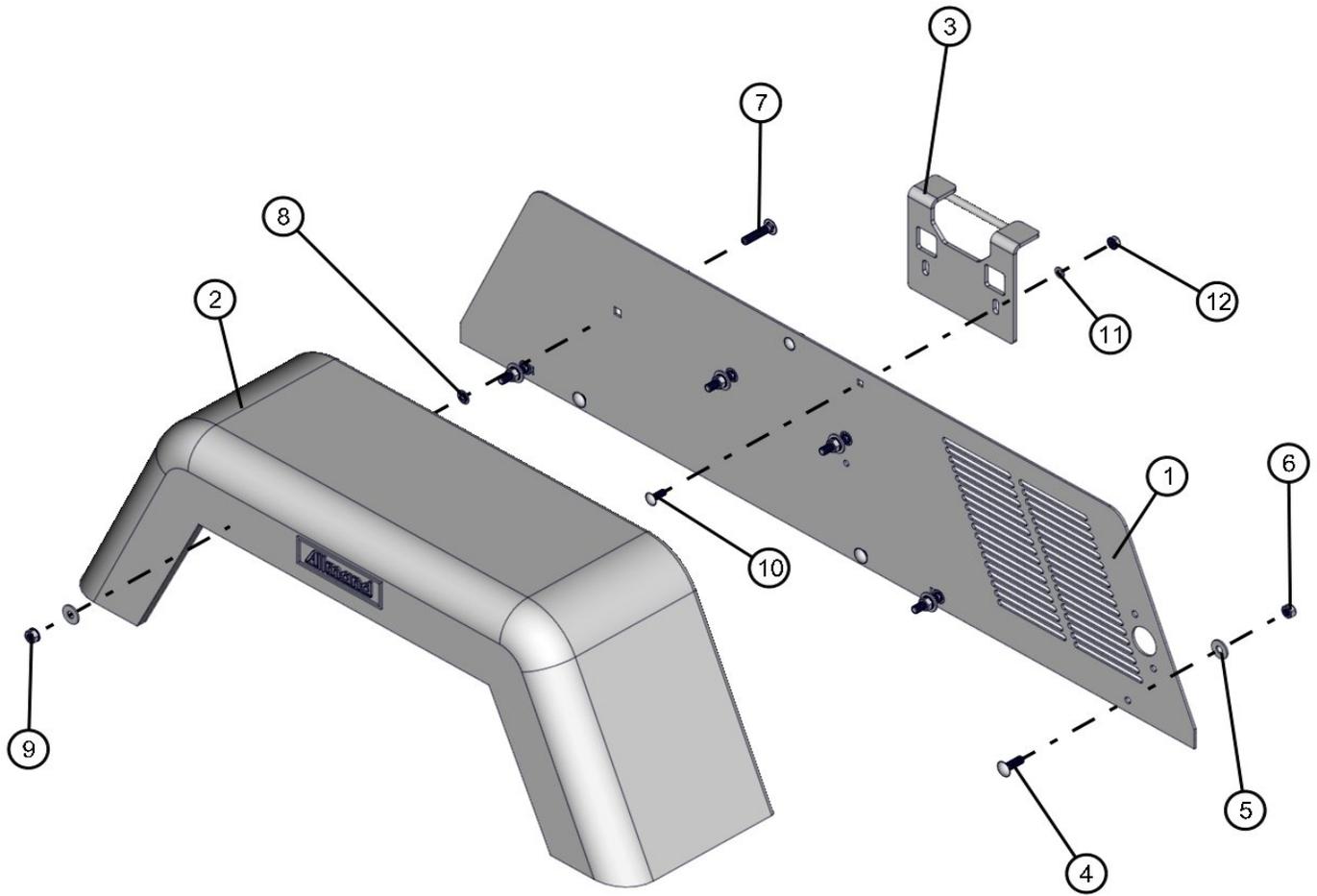
NOTE: PLATE AND MOUNTING HARDWARE USED ONLY IN
NON-CONTAINMENT TRAILERS.

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

RIGHT FENDER MOUNT (Laydown Tower)

NIGHT LITE PRO II

4/27/2012



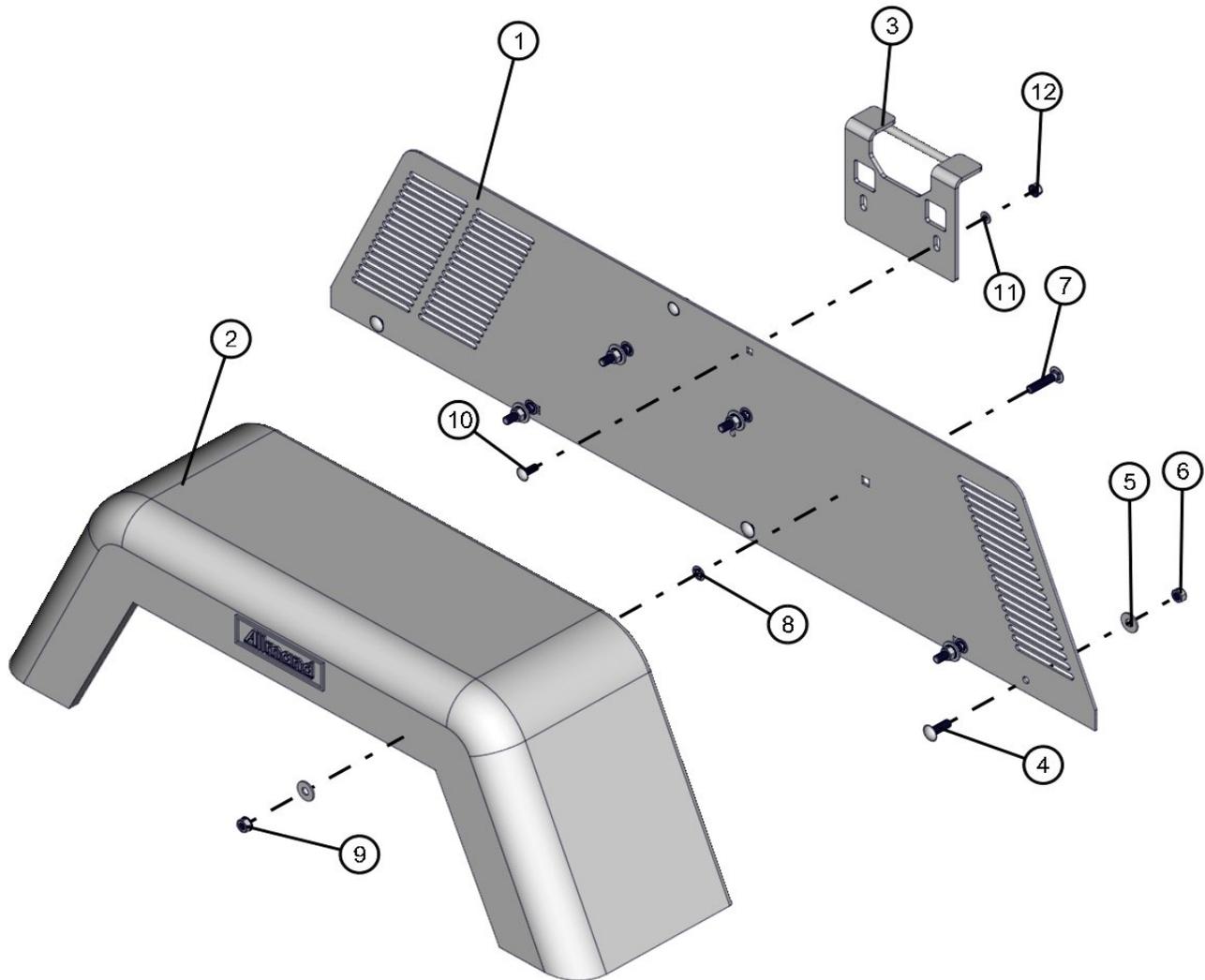
NO	QTY	PARTNO	DESCRIPTION
1	1	102765P	MOUNT
2	1	650297	FENDER
3	1	102990P	CATCH BRACKET
4	3	053020	5/16-18 X 1 CARRIAGE BOLT PL
5	8	047010	5/16 FLAT WASHER PL
6	3	044030	5/16-18 HEX NUT PL
7	5	053023	5/16-18 X 1 1/2 CARRIAGE BOLT PL
8	5	045217	5/16 PUSH NUT
9	5	044031	5/16 -18 KEPS HEX NUT PL
10	2	053006	1/4-20 X 3/4 CARRIAGE BOLT
11	2	047009	1/4 FLAT WASHER SAE SS
12	2	044021	1/4-20 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

RIGHT INNER FENDER (Vertical Tower)

NIGHT LITE PRO II

4/27/2012



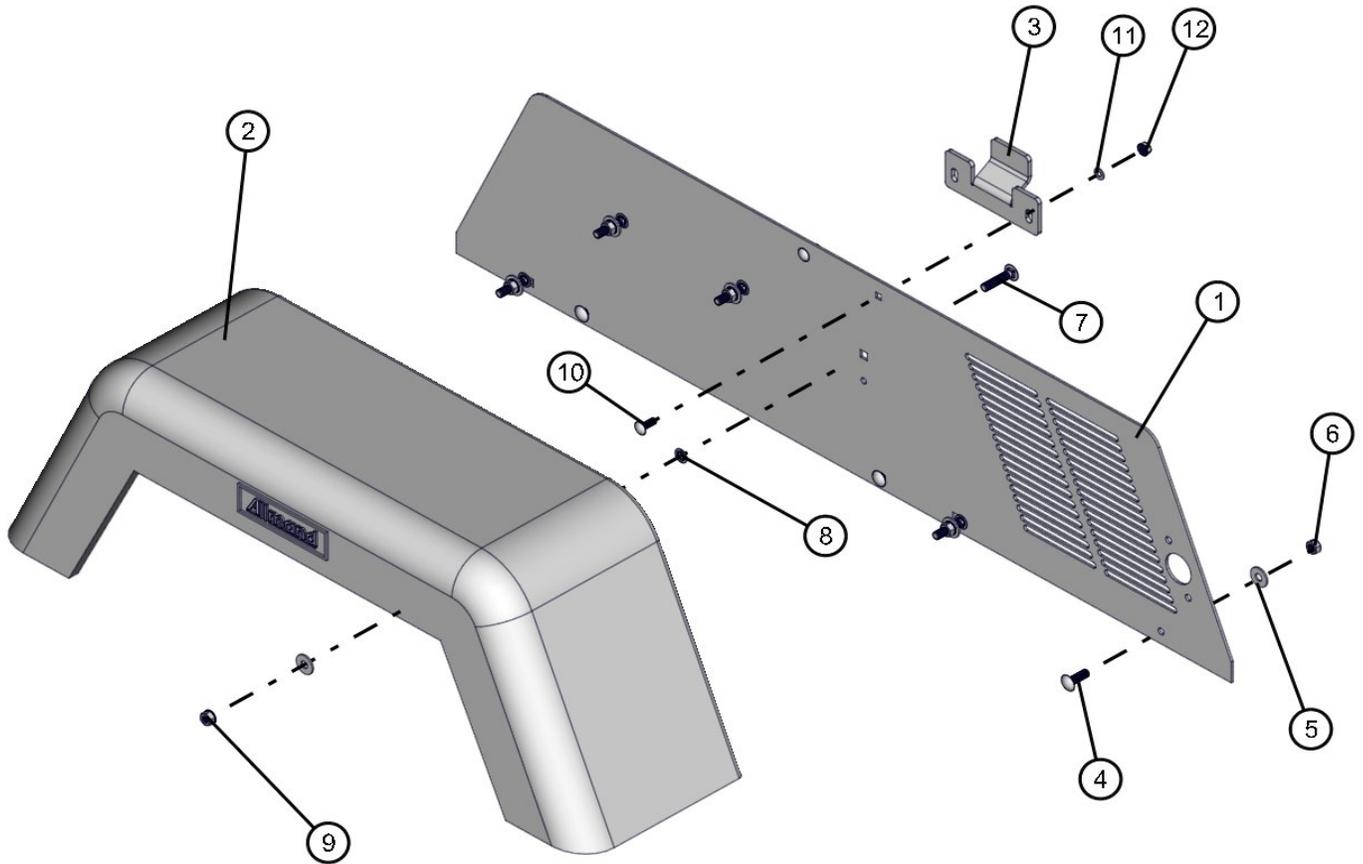
NO	QTY	PARTNO	DESCRIPTION
1	1	102840P	MOUNT
2	1	650297	FENDER
3	1	102990P	CATCH BRACKET
4	3	053020	5/16-18 X 1 CARRIAGE BOLT PL
5	8	047010	5/16 FLAT WASHER PL
6	3	044030	5/16-18 HEX NUT PL
7	5	053023	5/16-18 X 1 1/2 CARRIAGE BOLT PL
8	5	045217	5/16 PUSH NUT
9	5	044031	5/16 -18 KEPS HEX NUT PL
10	2	053006	1/4-20 X 3/4 CARRIAGE BOLT
11	2	047009	1/4 FLAT WASHER SAE SS
12	2	044021	1/4-20 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

RIGHT INNER FENDER (Old Style Laydown Tower)

NIGHT LITE PRO II

4/27/2012



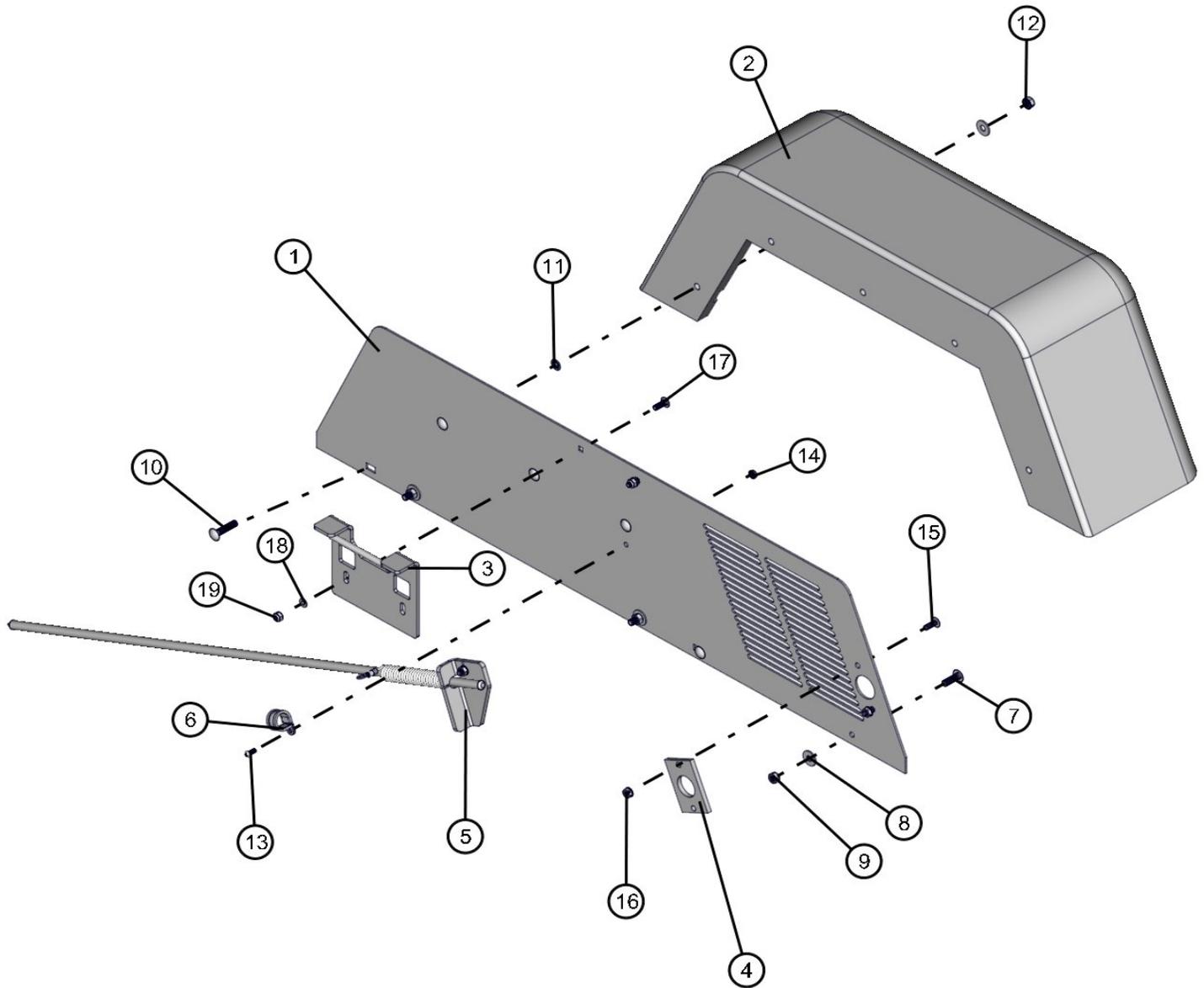
NO	QTY	PARTNO	DESCRIPTION
1	1	102765P	MOUNT
2	1	650297	FENDER
3	1	102755P	CATCH
4	3	053020	5/16-18 X 1 CARRIAGE BOLT PL
5	8	047010	5/16 FLAT WASHER PL
6	3	044030	5/16-18 HEX NUT PL
7	5	053023	5/16-18 X 1 1/2 CARRIAGE BOLT PL
8	5	045217	5/16 PUSH NUT
9	5	044031	5/16 -18 KEPS HEX NUT PL
10	2	053006	1/4-20 X 3/4 CARRIAGE BOLT
11	2	047009	1/4 FLAT WASHER SAE SS
12	2	044021	1/4-20 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LEFT INNER FENDER (Laydown Tower)

NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	102765P	MOUNT
2	1	650297	FENDER
3	1	102990P	CATCH BRACKET
4	1	650106	GUIDE BLOCK
5	1	340058	GROUND ROD
6	1	022024	#12 CUSHION CLAMP
7	3	053020	5/16-18 X 1 CARRIAGE BOLT PL
8	8	047010	5/16 FLAT WASHER PL
9	3	044030	5/16-18 HEX NUT PL
10	5	053023	5/16-18 X 1 1/2 CARRIAGE BOLT PL

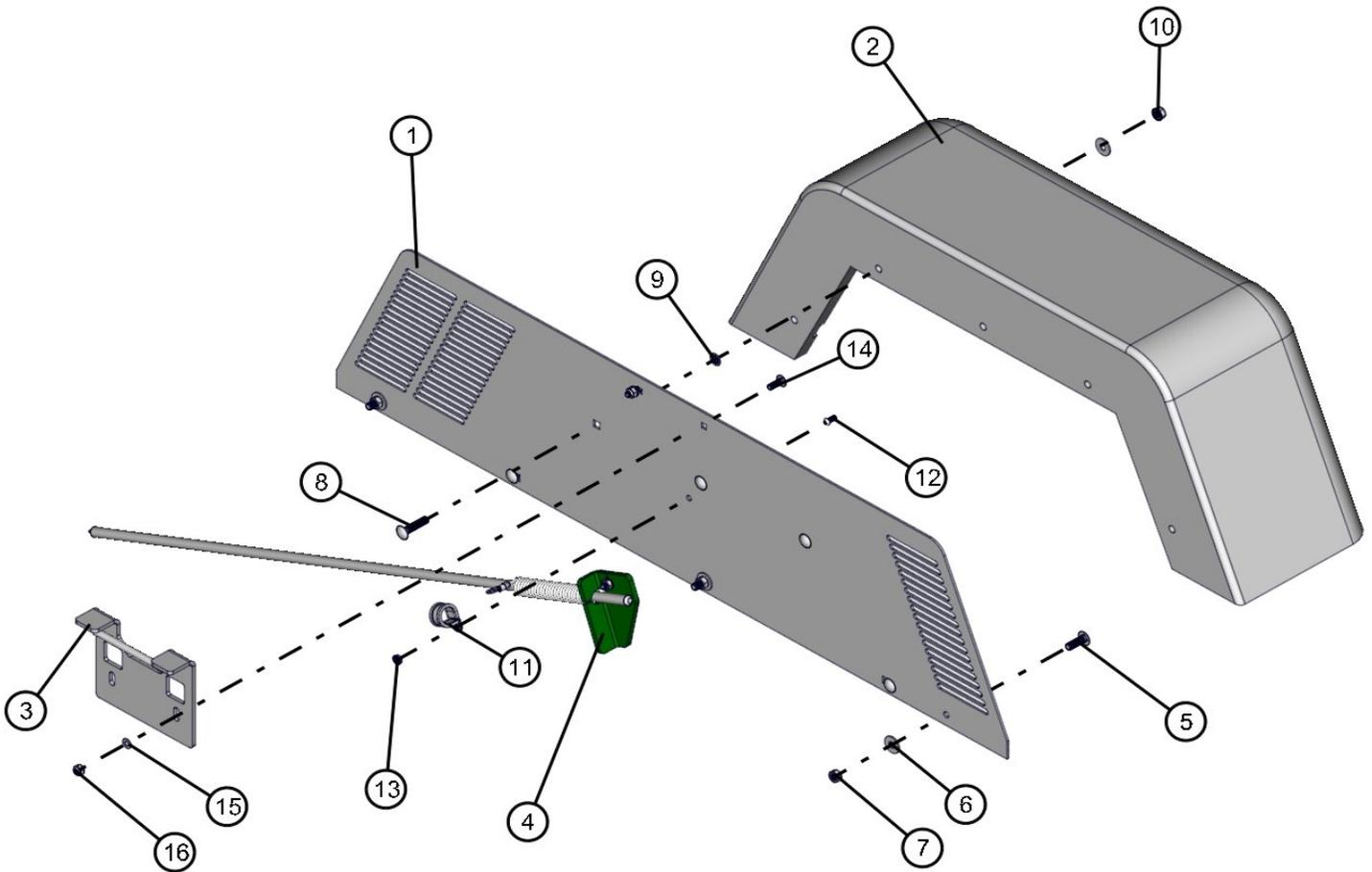
NO	QTY	PARTNO	DESCRIPTION
11	5	045217	5/16 PUSH NUT
12	5	044031	5/16 -18 KEPS HEX NUT PL
13	1	041024	#10-24 X 1/2 PH-ROUND HEAD MS SS
14	1	044016	#10-24 KEPS HEX NUT PL
15	2	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
16	2	044021	1/4-20 KEPS HEX NUT PL
17	2	053006	1/4-20 X 3/4 CARRIAGE BOLT
18	2	047009	1/4 FLAT WASHER SAE SS
19	2	044023	1/4-20 NYLOCK HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LEFT INNER FENDER (Vertical Tower)

NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	102840P	MOUNT
2	1	650297	FENDER
3	1	102990P	CATCH BRACKET
4	1	340058	GROUND ROD
5	3	053020	5/16-18 X 1 CARRIAGE BOLT PL
6	8	047010	5/16 FLAT WASHER PL
7	3	044030	5/16-18 HEX NUT PL
8	5	053023	5/16-18 X 1 1/2 CARRIAGE BOLT PL
9	5	045217	5/16 PUSH NUT

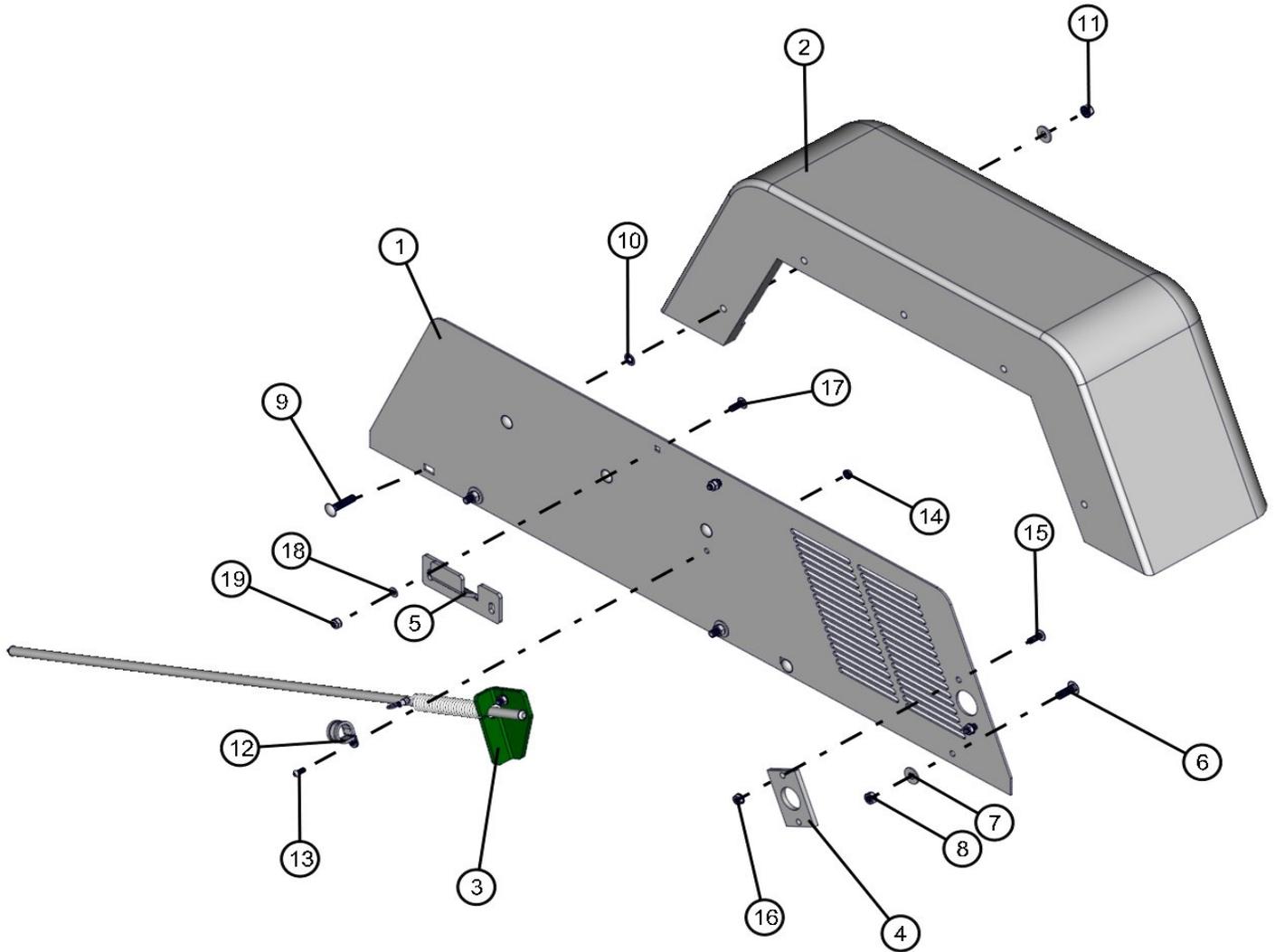
NO	QTY	PARTNO	DESCRIPTION
10	5	044031	5/16 -18 KEPS HEX NUT PL
11	1	022024	#12 CHUSION CLAMP
12	1	041024	#10-24 X 1/2 PH-ROUND HEAD MS SS
13	1	044016	#10-24 KEPS HEX NUT PL
14	2	053006	1/4-20 X 3/4 CARRIAGE BOLT
15	2	047009	1/4 FLAT WASHER SAE SS
16	2	044023	1/4-20 NYLOCK HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LEFT FENDER MOUNT (Old Style Laydown Tower)

NIGHT LITE PRO II

4/27/2012



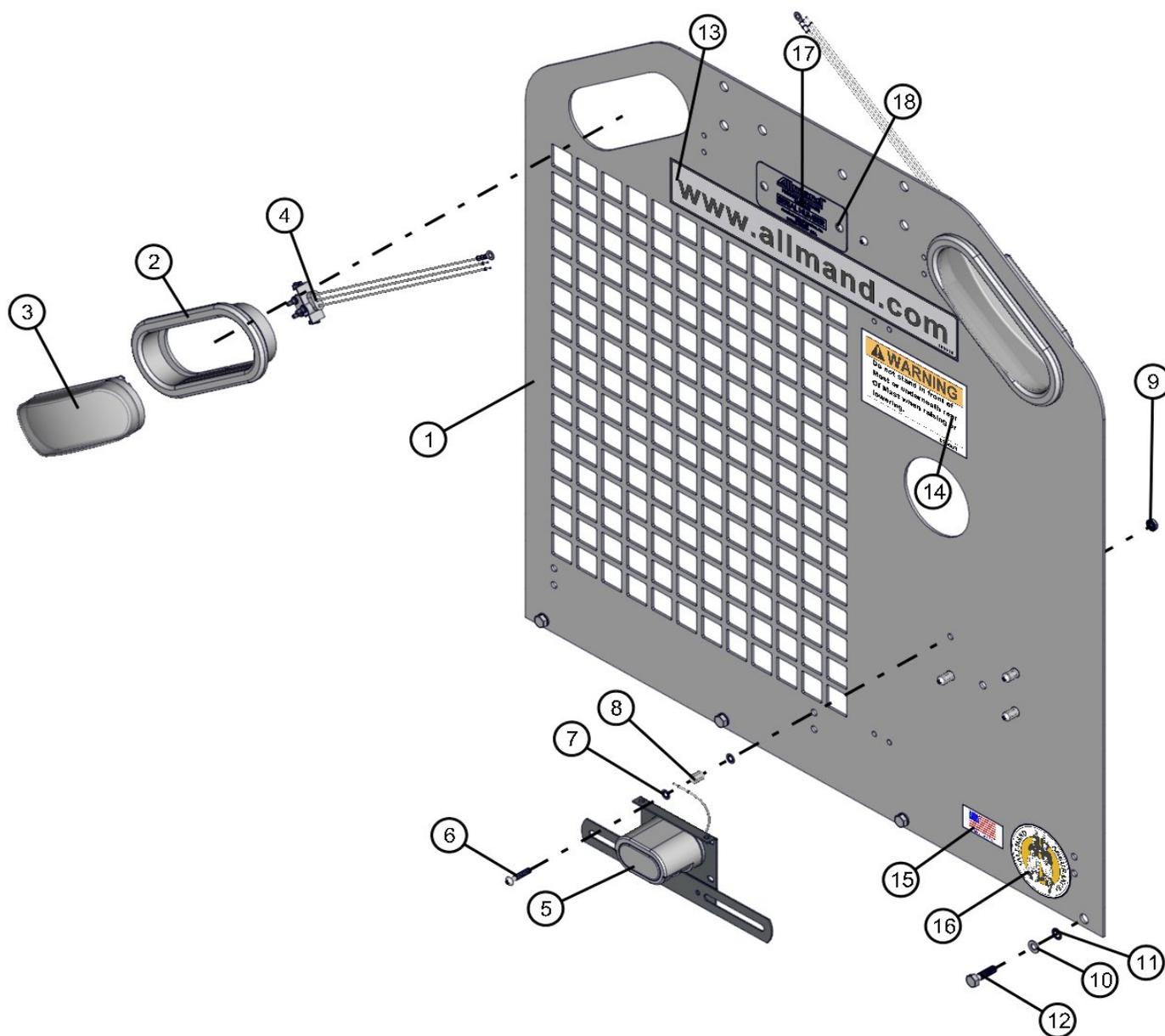
NO	QTY	PARTNO	DESCRIPTION
1	1	102765P	MOUNT
2	1	650297	FENDER
3	1	340058	GROUND ROD
4	1	650106	GUIDE BLOCK
5	1	102755P	CATCH
6	3	053020	5/16-18 X 1 CARRIAGE BOLT PL
7	8	047010	5/16 FLAT WASHER PL
8	3	044030	5/16-18 HEX NUT PL
9	5	053023	5/16-18 X 1 1/2 CARRIAGE BOLT PL
10	5	045217	5/16 PUSH NUT

NO	QTY	PARTNO	DESCRIPTION
11	5	044031	5/16 -18 KEPS HEX NUT PL
12	1	022024	#12 CUSHION CLAMP
13	1	041024	#10-24 X 1/2 PH-ROUND HEAD MS SS
14	1	044016	#10-24 KEPS HEX NUT PL
15	2	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
16	2	044021	1/4-20 KEPS HEX NUT PL
17	2	053006	1/4-20 X 3/4 CARRIAGE BOLT
18	2	047009	1/4 FLAT WASHER SAE SS
19	2	044023	1/4-20 NYLOCK HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

REAR PANEL NIGHT LITE PRO II

4/27/2012



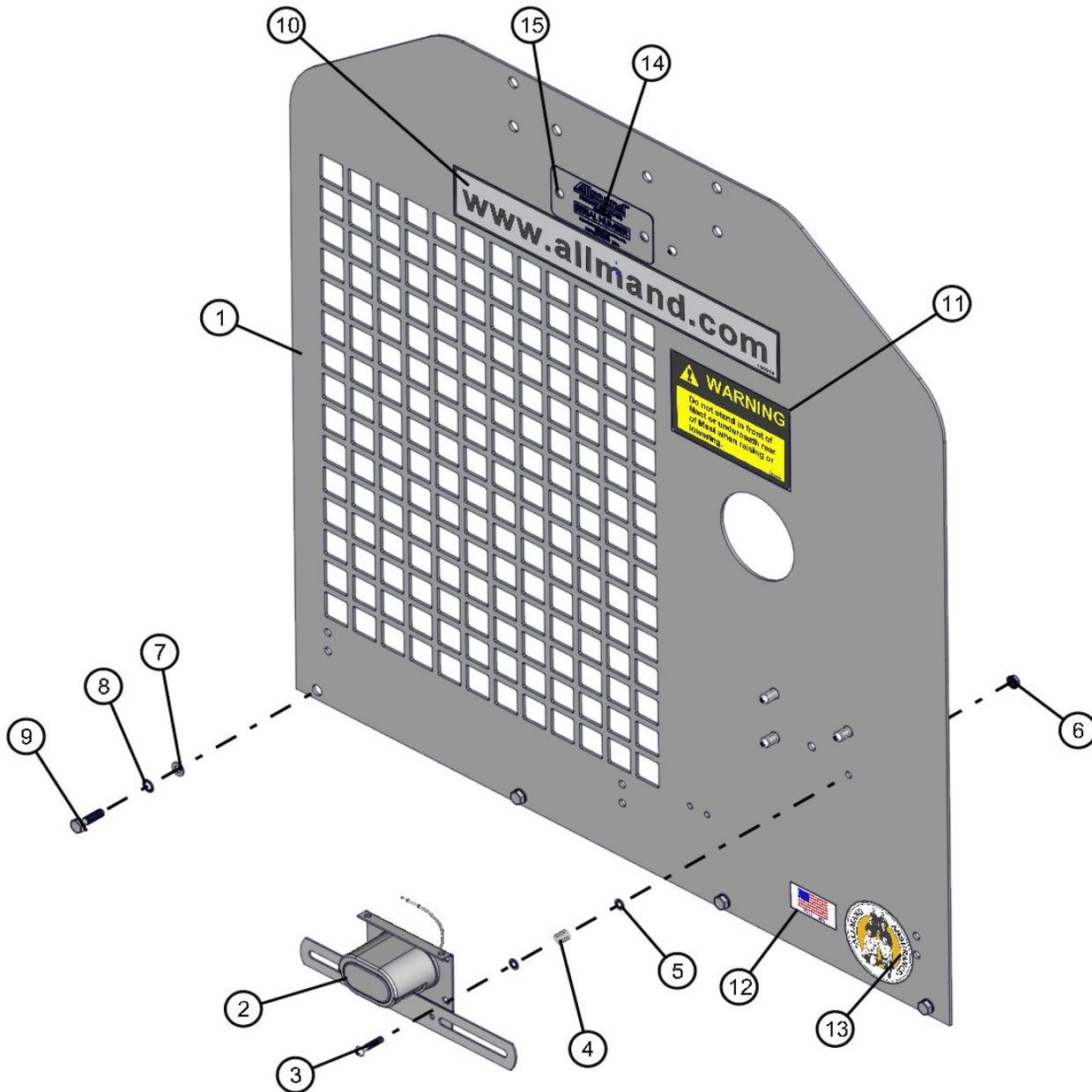
NO	QTY	PARTNO	DESCRIPTION
1	1	102823P	REAR PANEL
2	2	102825	GROMMET
3	2	102826	TAIL LAMP
4	2	102827	PIG TAIL
5	1	032035	LICENSE PLATE LIGHT BRACKET
6	5	041030	#10-24 X 1 PH-ROUND HEAD MS PL
7	10	043015	#10 INTL TOOTH LOCK WASHER PL
8	4	022180	SPACER
9	5	044016	#10-24 KEPS HEX NUT PL
10	4	047009	1/4 FLAT WASHER SAE SS

NO	QTY	PARTNO	DESCRIPTION
11	4	043050	1/4 INTL TOOTH LOCK WASHER
12	4	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
13	1	100919	WWW.ALMAND.COM DECAL
14	1	090003	DO NOT STAND DECAL (LAYDOWN ONLY)
15	1	090385	MADE IN USA DECAL
16	1	102088	3 GENERATIONS DECAL
17	1	N/A	ALLMAND SERIAL PLATE
18	2	045110	3/16 X 1/4 ALUM BLIND RIVET

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

AUSTRALIAN SPEC ONLY AS3000 REAR PANEL NIGHT LITE PRO II

4/27/2012



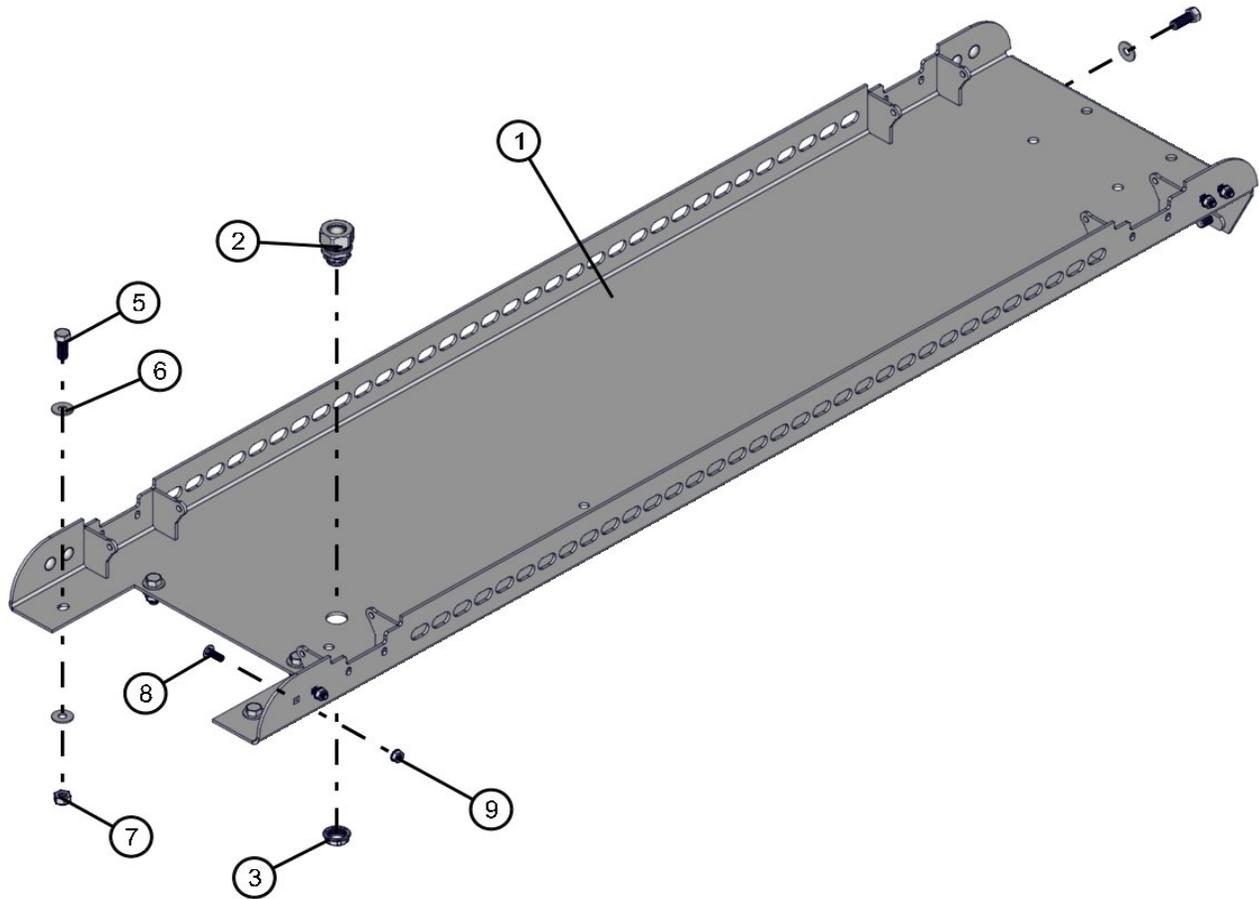
NO	QTY	PARTNO	DESCRIPTION
1	1	102823P	REAR PANEL
2	1	032035	LICENSE PLATE LIGHT BRACKET
3	5	041030	#10-24 X 1 PH-ROUND HEAD MS PL
4	4	022180	SPACER
5	10	043015	#10 INTL TOOTH LOCK WASHER PL
6	5	044016	#10-24 KEPS HEX NUT PL
7	4	047009	1/4 FLAT WASHER SAE SS
8	4	043050	1/4 INTL TOOTH LOCK WASHER
9	4	046015	1/4-20 X 1 HEX HEAD CS GR5 PL
10	1	100919	www.allmand.com DECAL
11	1	090003	DO NOT STAND DECAL (LAYDOWN TOWER ONLY)
12	1	090385	MADE IN USA DECAL
13	1	102088	3 GENERATIONS DECAL
14	1	N/A	ALLMAND SERIAL PLATE
15	2	045110	3/16 X 1/4 ALUM BLIND RIVET

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LAYDOWN TOWER STRINGER

NIGHT LITE PRO II

4/27/2012



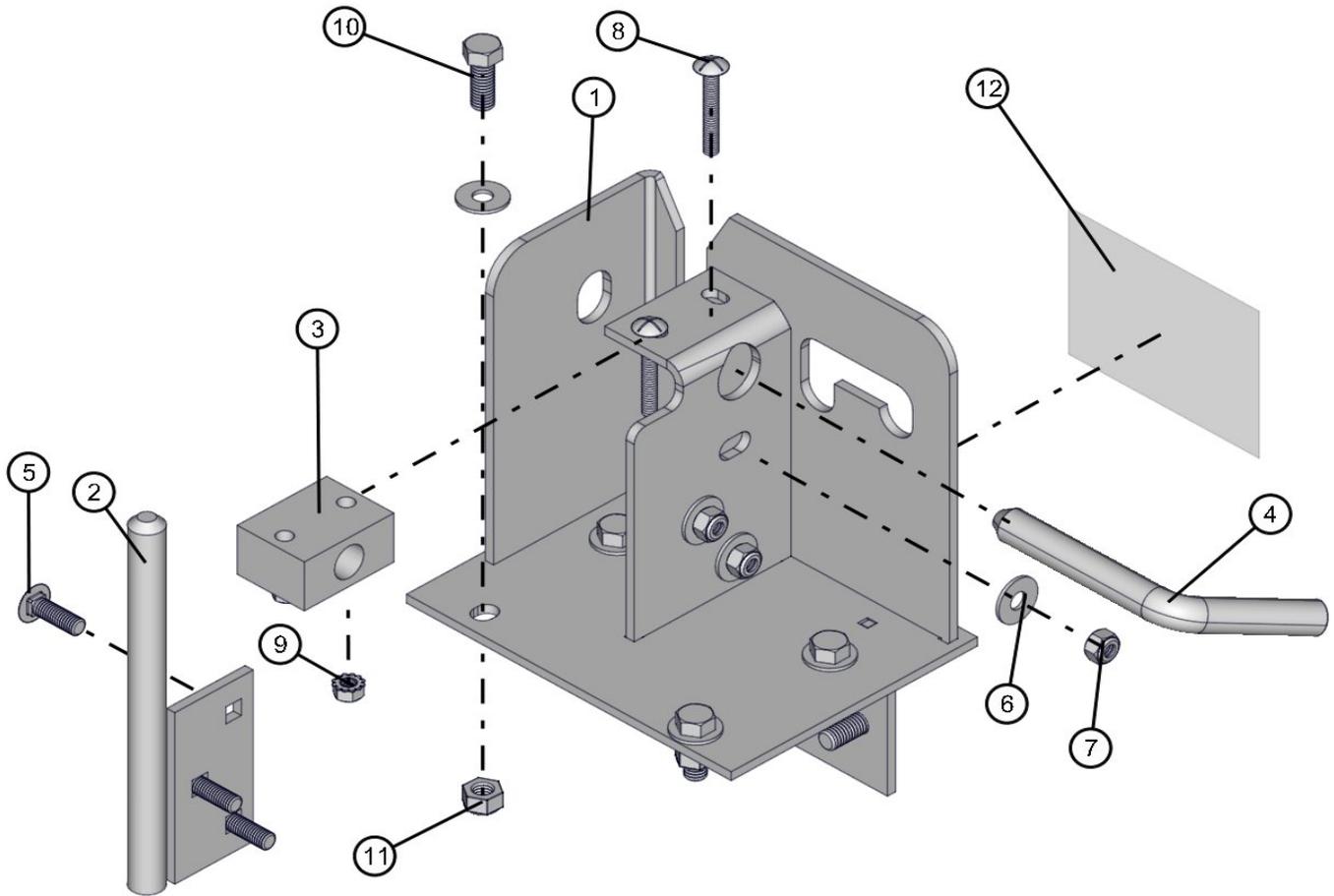
NO	QTY	PARTNO	DESCRIPTION
1	1	102779P	STRINGER
2	1	310033	1/2 CORD GRIP
3	1	022415	1/2 INSULATING BUSHING
5	1	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
6	12	047010	5/16 FLAT WASHER PL
7	4	044038	3/8-16 NYLOCK HEX NUT PL
8	8	053007	1/4-20 X 3/4 CARRIAGE BOLT SS
9	8	044021	1/4-20 KEPS HEX NUT PL

NOTE: 310033 IS USED WITH 16/8 TOWER CORD
 310032 IS USED WITH 14/7 TOWER CORD

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

REAR TOWER SUPPORT NIGHT LITE PRO II

4/27/2012



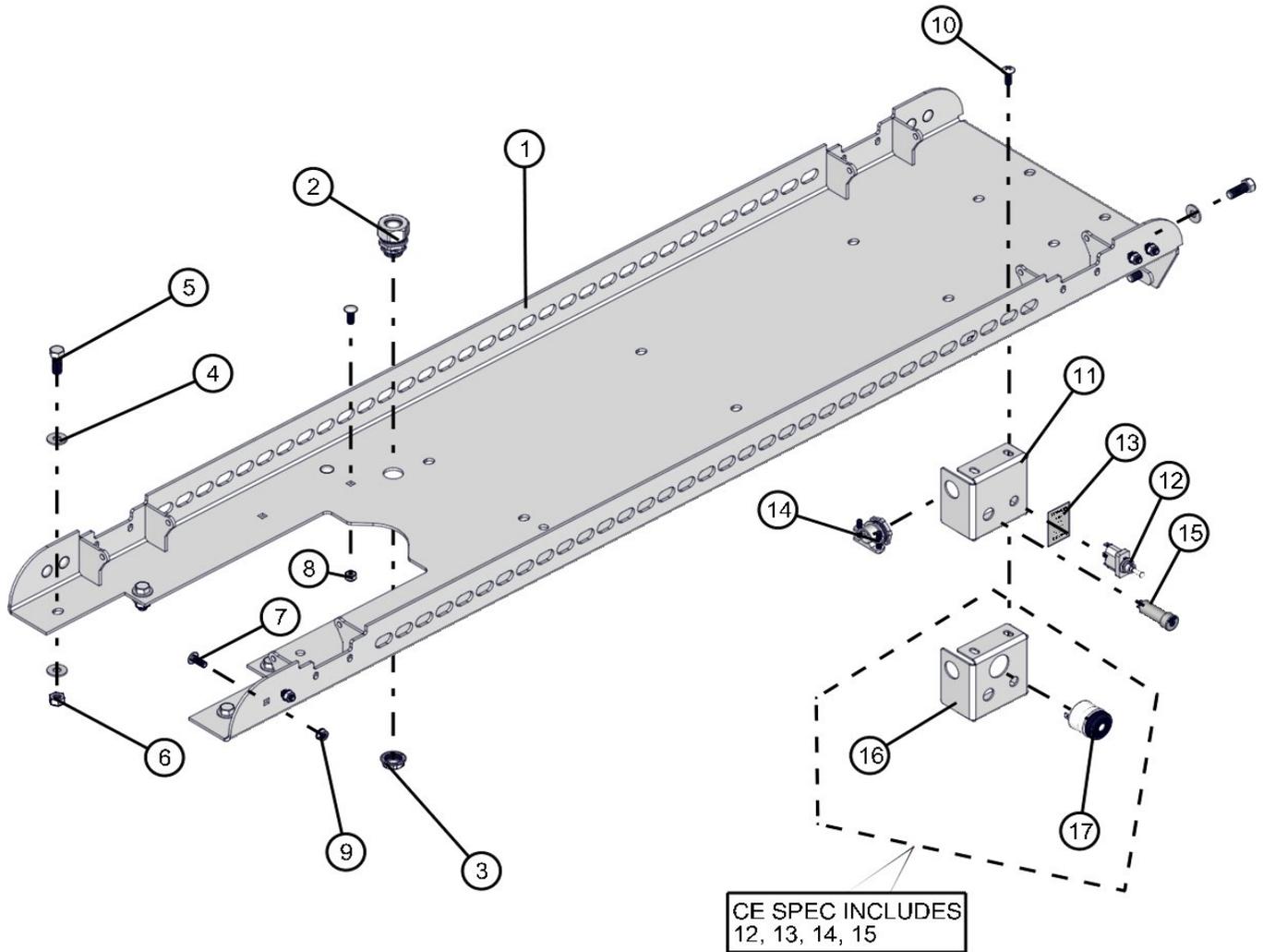
NO	QTY	PARTNO	DESCRIPTION
1	1	103295P	TOWER SUPPORT
2	1	103292P	PIN
3	1	330430	GUIDE BLOCK
4	1	330455	OUTRIGGER PIN
5	3	053020	5/16-18 X 1 CARRIAGE BOLT PL
6	9	047010	5/16 FLAT WASHER PL
7	3	044033	5/16-18 NYLOCK HEX NUT PL
8	2	041053	1/4-20 x 1 3/4 PH-TRUSS HEAD MS SS
9	2	044021	1/4-20 KEPS HEX NUT PL
10	6	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
11	4	044038	3/8-16 NYLOCK HEX NUT PL
12	1	090139	TOWER LATCH DECAL

102773 - TOWER SUPPORT ASSEMBLY

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

VERTICAL TOWER STRINGER NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	1	102797P	STRINGER
2	1	310033	1/2 CORD GRIP
3	1	022415	1/2 INSULATING BUSHING
4	12	047010	5/16 FLAT WASHER PL
5	8	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
6	4	044038	3/8-16 NYLOCK HEX NUT PL
7	10	053007	1/4-20 X 3/4 CARR BOLT SS
8	2	044023	1/4-20 NYLOCK HEX NUT PL
9	10	044021	1/4-20 KEPS HEX NUT PL

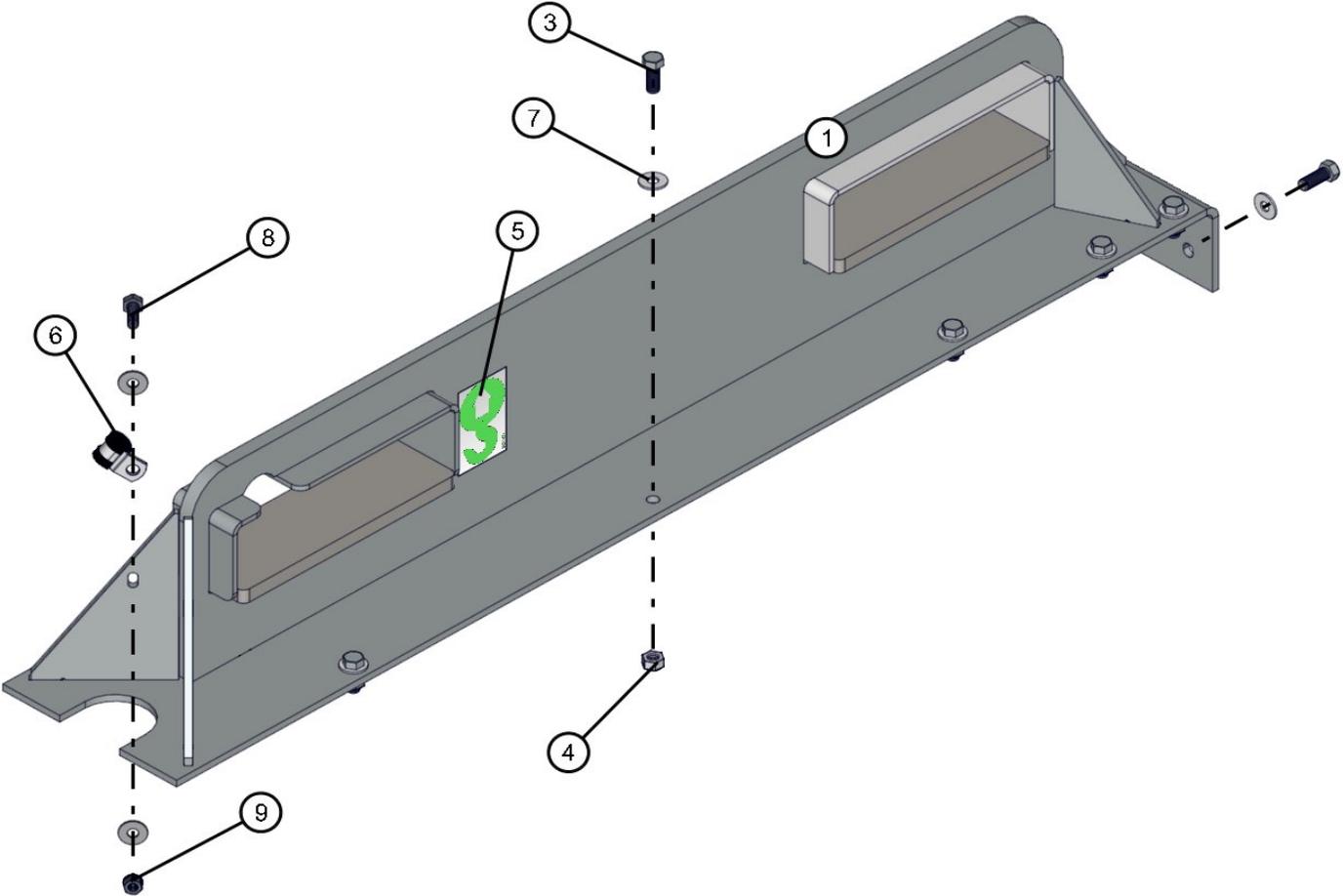
NO	QTY	PARTNO	DESCRIPTION
10	2	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
11	1	102947P	CONTROL BRACKET
12	1	102453	TOGGLE SWITCH
13	1	090399	UP & DOWN
14	1	022025	3/4 2-SCREW ROMEX CLAMP
15	1	352466	CIRCUIT BREAKER 2 AMP
16	1	103302P	CONTROL BRACKET
17	1	921255	AUDIBLE ALARM

NOTE: 310033 IS USED WITH 16/8 TOWER CORD
310032 IS USED WITH 14/7 TOWER CORD

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LIFT BAR NIGHT LITE PRO II

4/27/2012

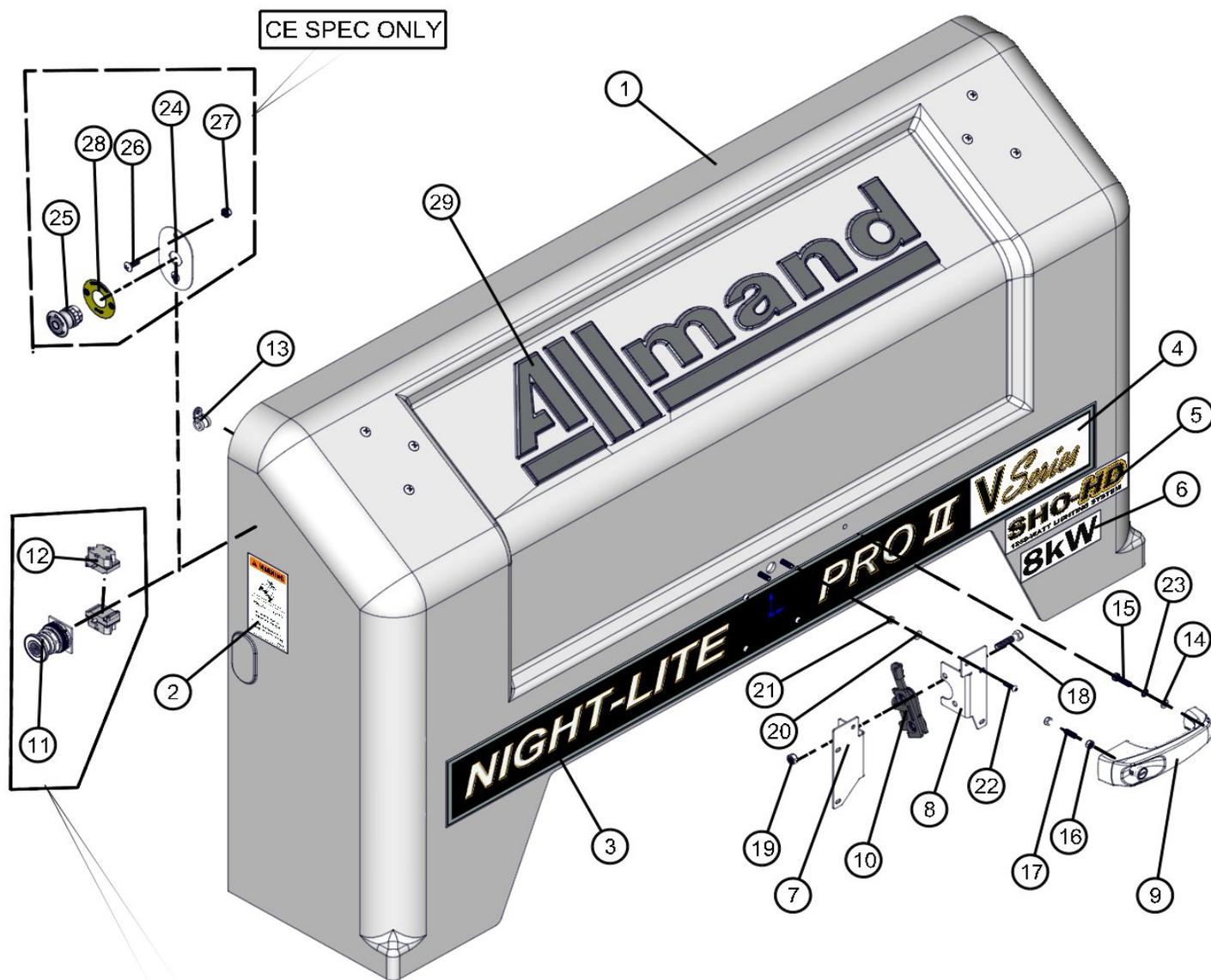


NO	QTY	PARTNO	DESCRIPTION
1	1	102846P	LIFT BAR
3	12	046110	3/8-16 X 1 HEX HEAD CS GR5 PL
4	10	044038	3/8-16 NYLOCK HEX NUT PL
5	2	090136	LIFT POINT
6	1	022018	#8 CUSH CLAMP
7	11	047010	5/16 FLAT WASHER PL
8	1	046050	5/16-18 X 1 HEX HEAD CS GR5 PL
9	1	044031	5/16 -18 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

LEFT DOOR NIGHT LITE PRO II

4/27/2012



100312 - COMPLETE LEFT DOOR ASSEMBLY

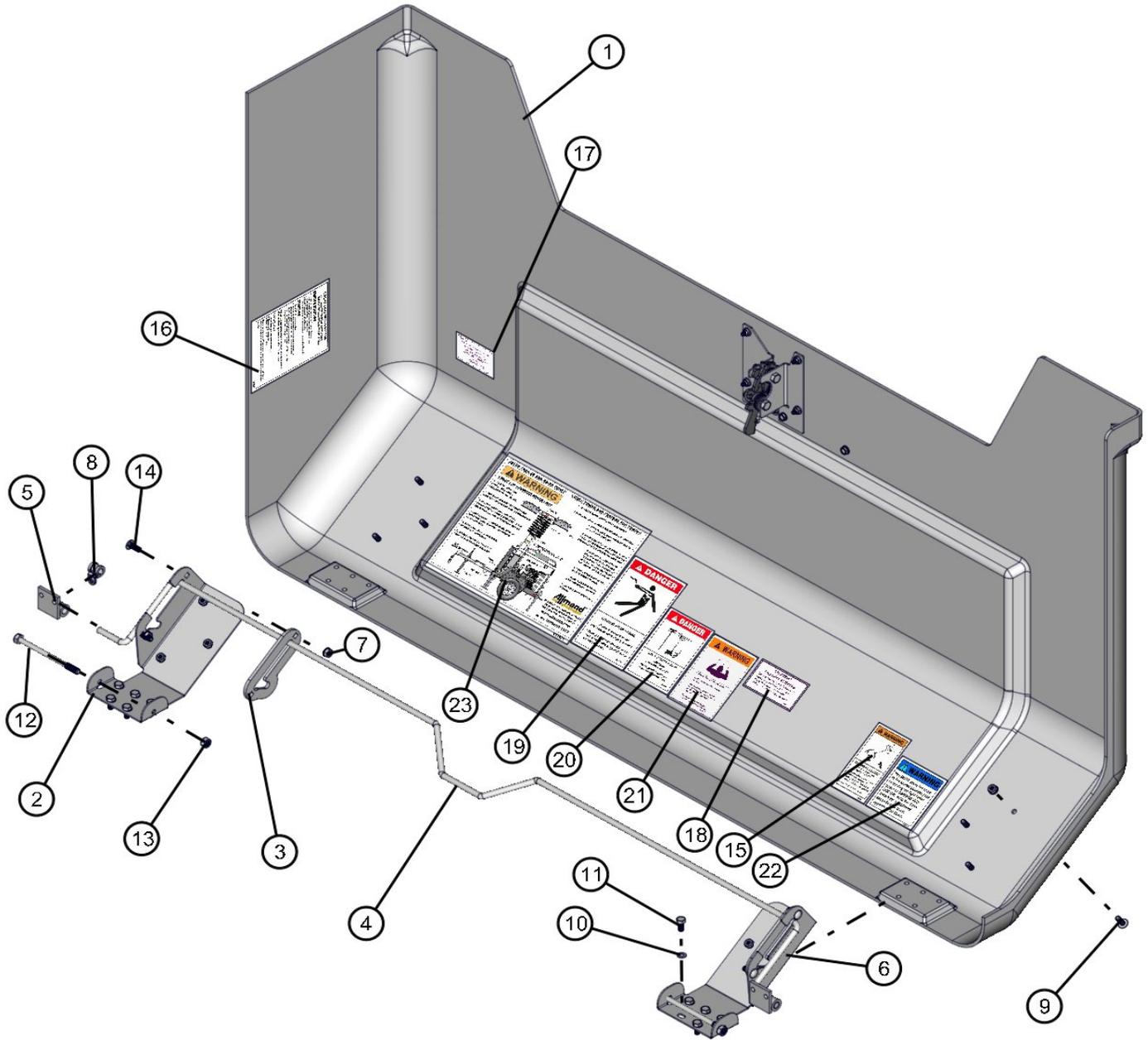
NO	QTY	PARTNO	DESCRIPTION
1	1	102750P	LEFT DOOR
2	1	090226	ROLL OVER DECAL
3	1	102835	DOOR STRIPE DECAL
4	1	102836	V-SERIES DECAL
5	1	102838	SHO-HD DECAL
6	1	102833	8kW DECAL
7	1	102993P	LEFT LATCH PLATE
8	1	102994P	RIGHT LATCH PLATE
9	1	103159	HANDLE
10	1	103158	DOOR LATCH
11	1	650460	EMERGENCY STOP
12	2	650461	CONTACT BLOCK
13	1	022016	#6 CUSH CLAMP
14	1	047009	1/4 FLAT WASHER SAE SS
15	3	042025	M6 X 1.0mm X 25mm HEX HEAD CS GR8.8 ZC

NO	QTY	PARTNO	DESCRIPTION
16	1	042080	M6 X 1.0mm HEX NUT PL
17	1	042026	M6 X 1.0mm X 50mm HEX HEAD CS GR8.8 ZC
18	2	046060	5/16-18 X 1 1/2 HEX HEAD CS GR5 PL
19	2	044030	5/16-18 HEX NUT PL
20	4	047070	#10 FLAT WASHER USS PL
21	4	044018	#10-24 NYLOCK HEX NUT PL
22	4	041027	#10-24 X 3/4 PH-ROUND HEAD MS
23	3	043050	1/4 INTL TOOTH LOCK WASHER
24	1	103288P	E STOP MOUNT
25	1	A109599	E-STOP
26	2	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
27	2	044021	1/4-20 KEPS HEX NUT PL
28	1	A109614	E-STOP DECAL
29	1	102939	ALLMAND DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

INSIDE LEFT DOOR Vertical Tower NIGHT LITE PRO II

4/27/2012



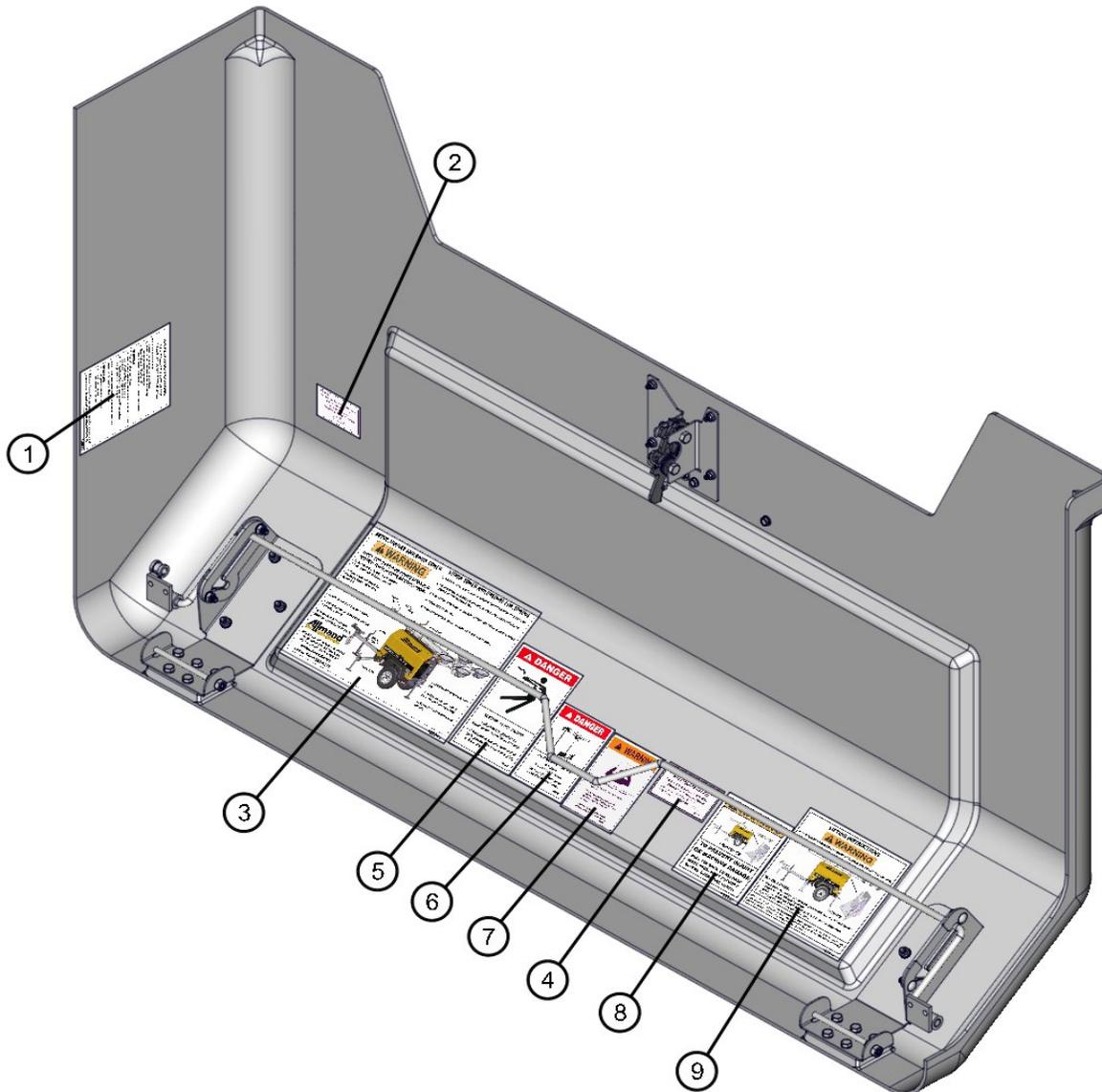
NO	QTY	PARTNO	DESCRIPTION
1	1	102750P	LEFT DOOR
2	1	103050P	DOOR HINGE
3	2	103051P	REINFORCEMENT
4	1	103047P	DOOR PROP
5	2	103052P	MOUNT
6	1	103048P	DOOR HINGE
7	10	044021	1/4-20 KEPS HEX NUT PL
8	1	022016	#6 CUSH CLAMP
9	6	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
10	10	047009	1/4 FLAT WASHER SAE SS
11	10	046006	1/4-20 X 5/8 HEX HEAD CS GR5 PL
12	2	046080	5/16-18 X 4 1/2 HEX HEAD CS GR5 PL

NO	QTY	PARTNO	DESCRIPTION
13	2	044030	5/16-18 HEX NUT PL
14	4	053006	1/4-20 X 3/4 CARRIAGE BOLT
15	1	090166	OVERHEAD HAZARD DECAL
16	1	102909	OPERATING INSTRUCTIONS DECAL
17	1	090465	PARTS & SERVICE DECAL
18	1	090179	PROPOSITION 65 DECAL
19	1	090163	ELECTRICAL SHOCK DECAL
20	1	090165	ELECTRICAL SHOCK
21	1	090158	OPERATORS MANUAL DECAL
22	1	100247	DAMAGE MAY OCCUR DECAL
23	1	103021	SETUP DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

INSIDE LEFT DOOR Laydown Tower NIGHT LITE PRO II

4/27/2012

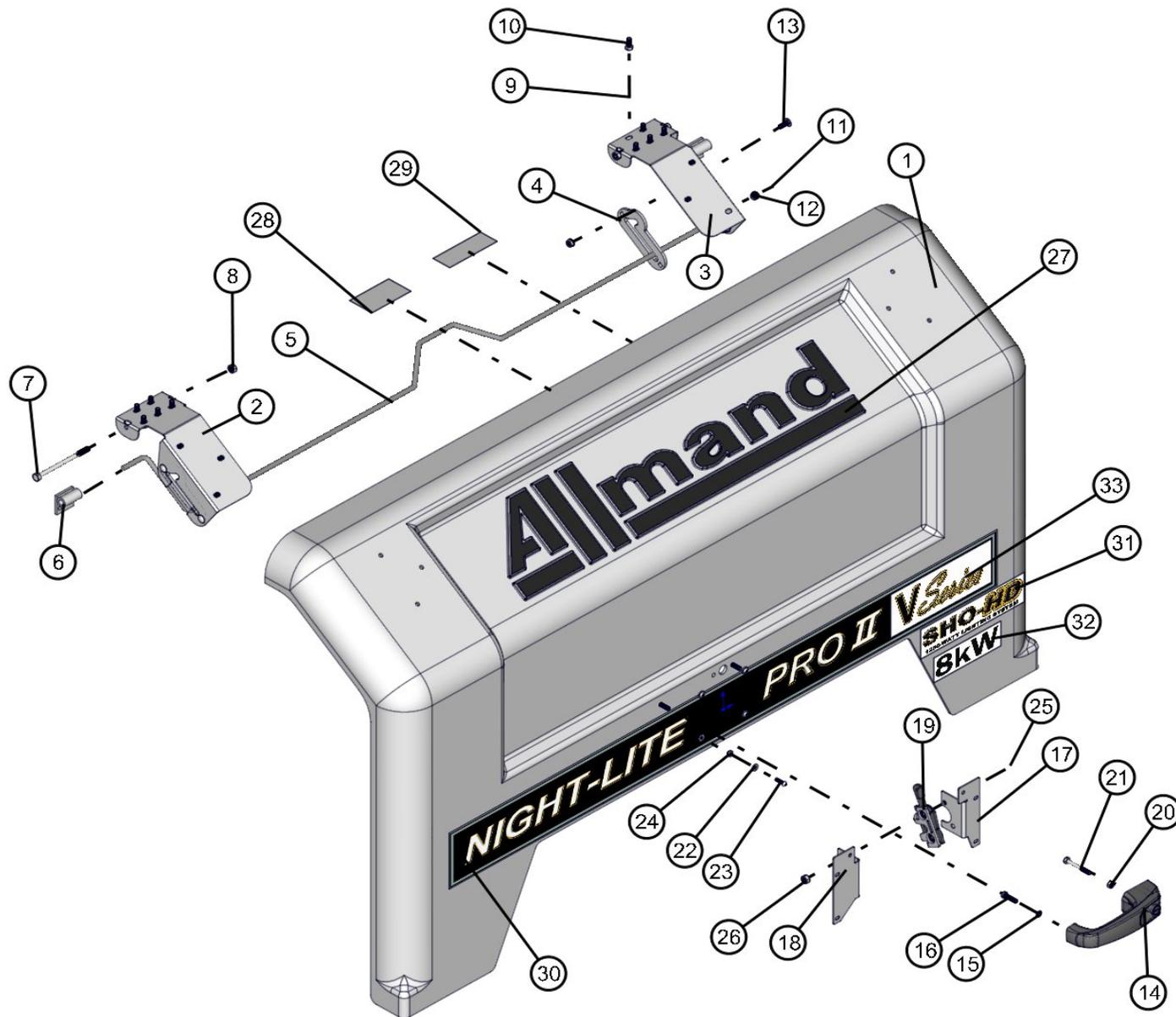


NO	QTY	PARTNO	DESCRIPTION
1	1	102909	OPERATING INSTRUCTIONS DECAL
2	1	090465	PARTS & SERVICE DECAL
3	1	103018	SETUP DECAL
4	1	090179	PROPOSITION 65 DECAL
5	1	090163	ELECTRICAL SHOCK DECAL
6	1	090165	ELECTRICAL SHOCK
7	1	090158	OPERATORS MANUAL DECAL
8	1	103020	UNLATCH PIN DECAL
9	1	103019	LIFTING INSTRUCTIONS DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

RIGHT DOOR NIGHT LITE PRO II

4/27/2012



103313 - COMPLETE RIGHT DOOR ASSEMBLY

NO	QTY	PARTNO	DESCRIPTION
1	1	102751P	RT DOOR
2	1	103050P	DOOR HINGE
3	1	103048P	DOOR HINGE
4	2	103051P	REINFORCEMENT
5	1	103047P	DOOR PROP
6	2	103052P	MOUNT
7	2	046080	5/16-18 X 4 1/2 HEX HEAD CS GR5 PL
8	2	044030	5/16-18 HEX NUT PL
9	11	047009	1/4 FLAT WASHER SAE SS
10	10	046006	1/4-20 X 5/8 HEX HEAD CS GR5 PL
11	6	041050	1/4-20 X 3/4 PH-TRUSS HEAD MS SS
12	10	044021	1/4-20 KEPS HEX NUT PL
13	4	053006	1/4-20 X 3/4 CARRIAGE BOLT
14	1	103159	HANDLE
15	3	043050	1/4 INTL TOOTH LOCK WASHER
16	3	042025	M6 X 1.0mm X 25mm HEX HEAD CS GR8.8 ZC
17	1	102994P	RIGHT LATCH PLATE

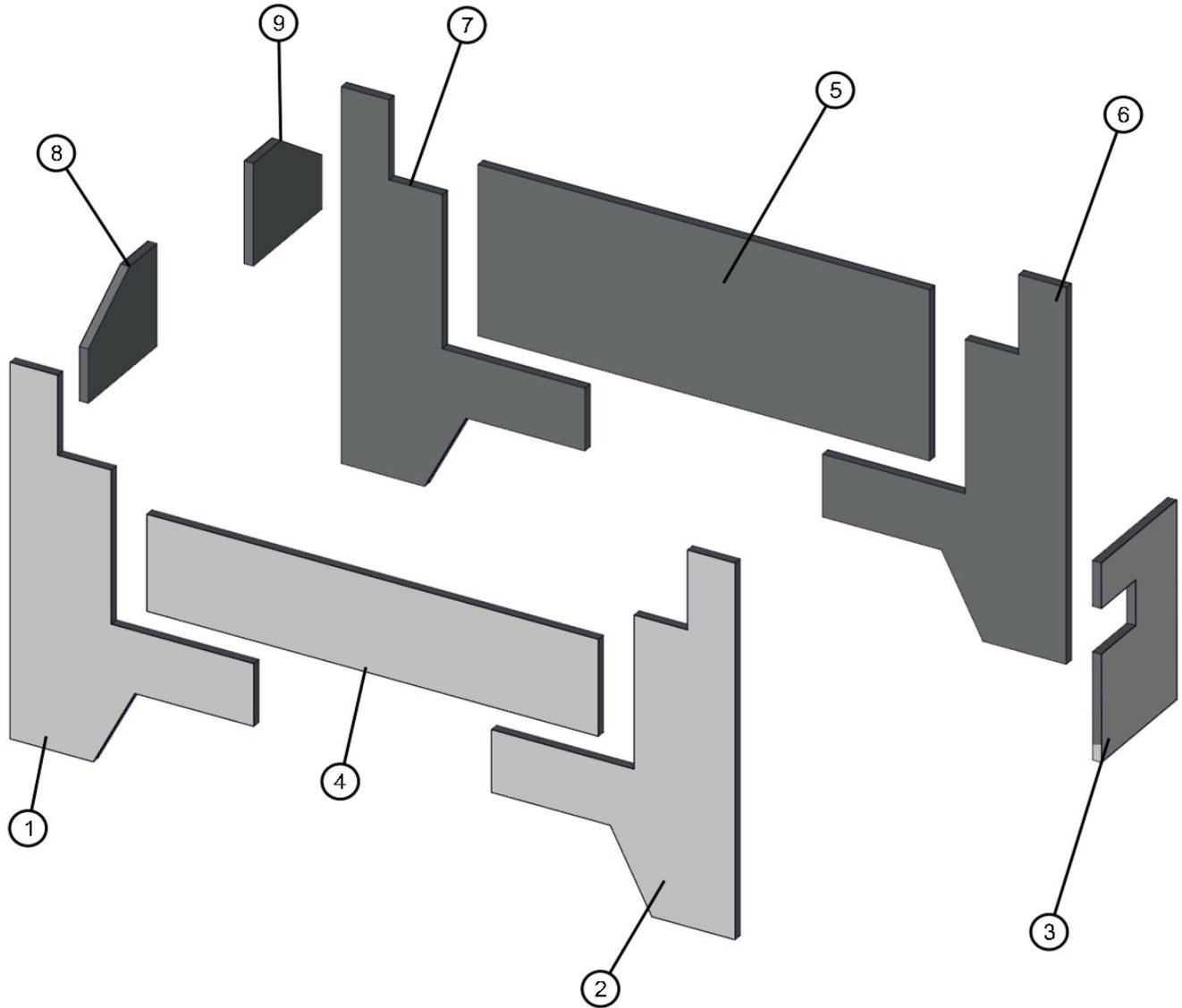
NO	QTY	PARTNO	DESCRIPTION
18	1	102993P	LEFT LATCH PLATE
19	1	103158	DOOR LATCH
20	1	042080	M6 X 1.0mm HEX NUT PL
21	1	042026	M6 X 1.0mm X 50mm HEX HEAD CS GR8.8 ZC
22	8	047070	#10 FLAT WASHER USS PL
23	4	041027	#10-24 X 3/4 PH-ROUND HEAD MS
24	4	044018	#10-24 NYLOCK HEX NUT PL
25	2	046060	5/16-18 X 1 1/2 HEX HEAD CS GR5 PL
26	2	044030	5/16-18 HEX NUT PL
27	1	102939	ALLMAND DECAL
28	1	101057	EPA REGULATION DECAL
29	1	090034	DIESEL DECAL
30	1	102835	DOOR STRIPE DECAL
31	1	102838	SHO-HD DECAL
32	1	102833	8kW DECAL
33	1	102836	V-SERIES DECAL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

SOUND ATTENUATION PACKAGE (OPTION)

NIGHT LITE PRO II

4/27/2012



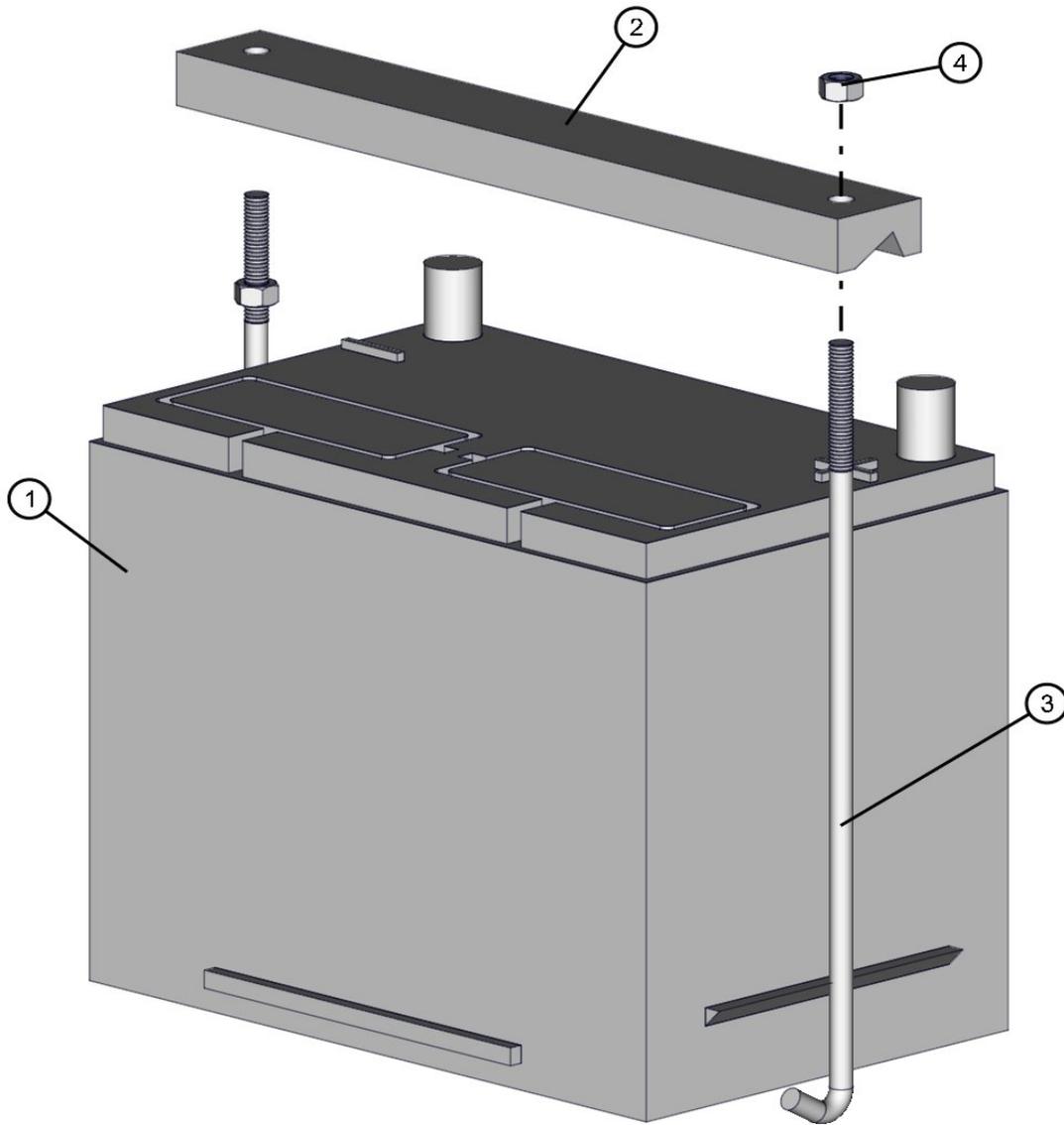
NO	QTY	PARTNO	DESCRIPTION
1	1	103277	DOOR HALF 1
2	1	103278	DOOR HALF 2
3	1	103279	REAR PANEL
4	1	103280	LEFT DOOR RECESS
5	1	103281	RIGHT DOOR RECESS

NO	QTY	PARTNO	DESCRIPTION
6	1	103277	DOOR HALF 1
7	1	103278	DOOR HALF 2
8	1	103282	LEFT DOOR FRONT
9	1	103283	RIGHT DOOR FRONT

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

BATTERY NIGHT LITE PRO II

4/27/2012

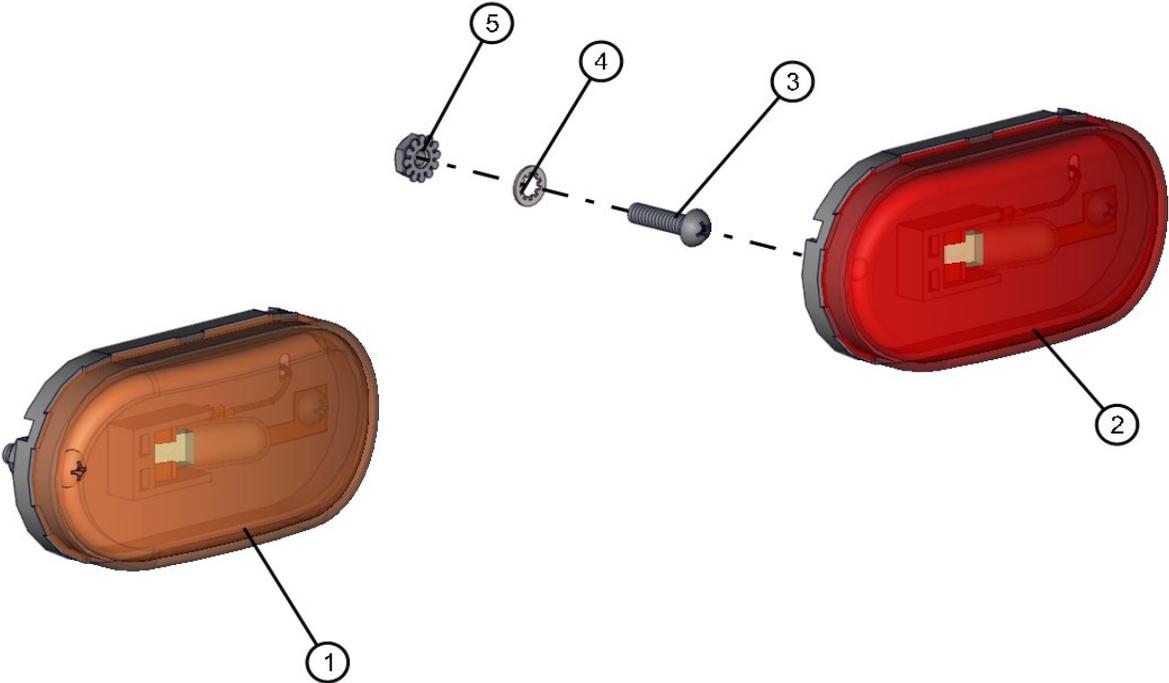


NO	QTY	PARTNO	DESCRIPTION
1	1	NOT AVAILABLE THROUGH ABI	12V BATTERY
4	2	044030	5/16-18 HEX NUT PL
2	1	340017	HOLD DOWN
3	2	433507	5/16-18 J BOLT

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

MARKER LIGHTS NIGHT LITE PRO II

4/27/2012

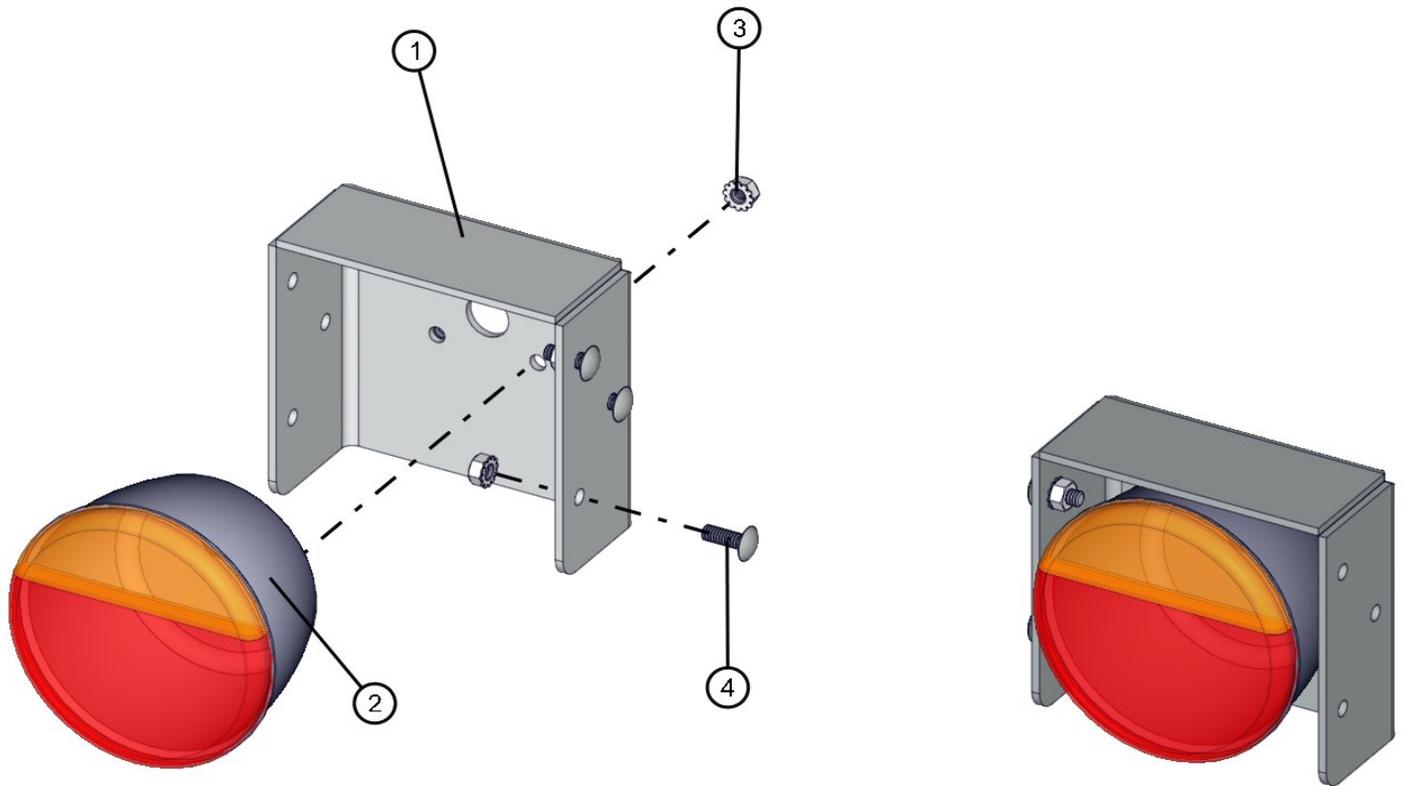


NO	QTY	PARTNO	DESCRIPTION
1	1	022301	AMBER MARKER LIGHT
2	1	022300	RED MARKER LIGHT
3	4	041027	#10-24 X 3/4 PH-ROUND HEAD MS
4	4	043015	#10 INTL TOOTH LOCK WASHER PL
5	4	044016	#10-24 KEPS HEX NUT PL

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"

AUSTRALIAN SPEC ONLY AS3000 TAIL LIGHTS NIGHT LITE PRO II

4/27/2012



NO	QTY	PARTNO	DESCRIPTION
1	2	103063P	BRACKET
2	2	102107	COBO TAILLIGHT
3	10	044021	1/4-20 KEPS HEX NUT PL
4	6	053006	1/4-20 X 3/4 CARRIAGE BOLT

NOTE: NS = NOT SHOWN. WHEN ORDERING, SPECIFY THE COLOR WANTED ON PARTS CONTAINING THE LETTER "P"