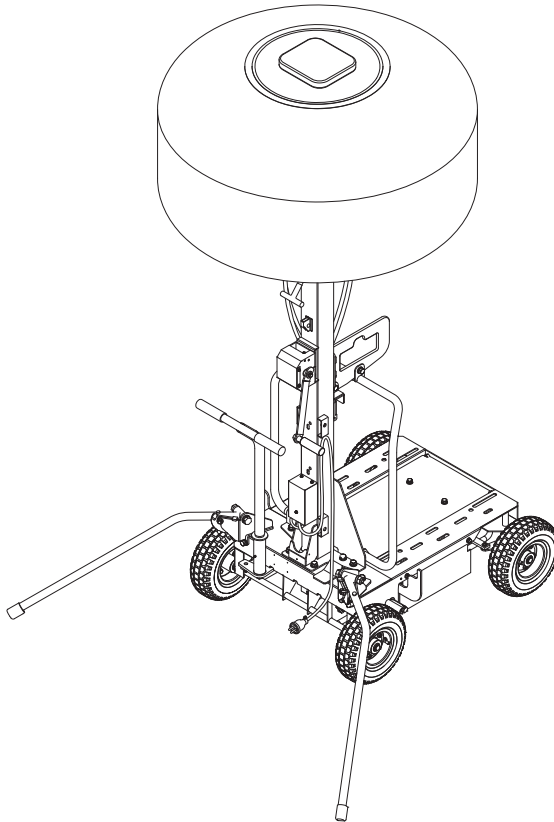


OPERATION MANUAL

LIGHT BOY

**MODEL B8CS-CE
B8CS-A-CE**



Never attempt to operate or service the equipment before reading the entire manual. Failure to read and understand the safety messages and operating instructions could result in injury to yourself and others.

For your own safety and protection from physical injury, carefully read, understand, and observe the safety instructions described in this manual.



NOTES

Thank you for purchasing LIGHT BOY B8CS-CE / B8CS-A-CE

- This manual contains information and procedures for the safe operation and maintenance of LIGHT BOY Products.
Always read and understand all instructions before operating the lighting system.
- Keep a copy of this manual with the unit at all times.
- If this manual is lost or damaged, please notify the dealer from whom you purchased the product or contact LIGHT BOY for assistance.
For general or technical questions, please contact LIGHT BOY. Please have your serial number available.
- To ensure safety and quality improvement, LIGHT BOY CO., LTD. and its affiliates reserve the right to make changes and modifications to the product without prior notice.

Instruction Manual	B8CS-CE / B8CS-A-CE	Code NO.	B-0000544-00
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In order for you to use safely

- The three safety messages shown below will inform you about potential hazards that could injure you or others.

The safety messages specifically address the level of exposure to the operator and are preceded by one of three words:

DANGER, WARNING, CAUTION.

Obey all safety messages that are described in this manual to prevent the possibility of improper service, damage to the equipment, personal injury or death.

- General Safety Information



INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.



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



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

In addition, if not avoided, could result in property or equipment damage.

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Notice for Safe Use

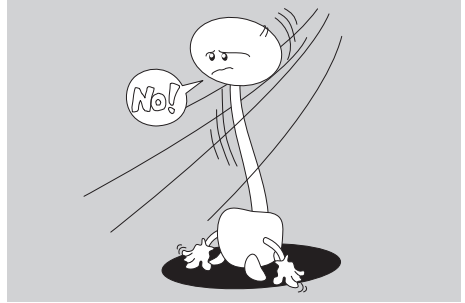
Installation

Never use in strong winds

⚠ DANGER

Using the lighting system in strong winds may cause injury or accidents due to falling or tipping over.

- If the balloon becomes dented by wind, lower the mast to use.
- If the balloon dents even after lowering the mast, discontinue use. There is a risk that the balloon cloth will get damaged.



◆ Always make sure the area (6m radius) around the lighting system is clear and safe.

Please install on a flat surface

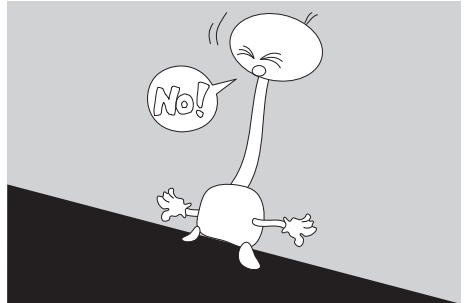
⚠ DANGER

If it is installed in an unstable place, it may fall or be damaged.

⚠ CAUTION

Please pay close attention to your feet during installation.

- Install it on a flat surface where the legs can be fully deployed to prevent it from tipping over.



Please use the outrigger

⚠ DANGER

Always make sure to deploy the outriggers and ensure they are locked when in use to prevent tipping over. There is a risk of tipping over in strong winds or when the generator is not mounted.

⚠ DANGER

The risk of tipping varies according to the setting condition. For extra safety, use a rope and chocks to steady the lighting system.

⚠ DANGER

Please pay close attention to your feet during installation.

- If the generator is not installed, please use a weight equivalent to the generator (approximately 100 kg).

Use the parking brake

⚠ DANGER

Failure to apply the parking brake may result in an unexpected accident or injury.

⚠ DANGER

If the tire pressure is low, the brake may not be applied firmly or the balance may be disturbed, resulting in a fall or accident.

- Always ensure that the parking brake is applied when stopping.
- Check and adjust air pressure before use.

Never install the lighting system near a fire

⚠ DANGER

Installing the product near fire or exposing it to flames may result in a fire hazard. Please exercise caution and keep away from any potential sources of fire.

- It is important to check that there are no flammable objects or fires in the vicinity of the lighting system before installation.

Tighten the adjust lever and bolts properly.

⚠ DANGER

If the adjust lever and bolts is loose, the lamp or mast may fall, resulting in injury or damage.

- When storing and folding the mast ALWAYS keep hands and fingers away from pinch points.

Be careful when adjusting the angle

⚠ WARNING

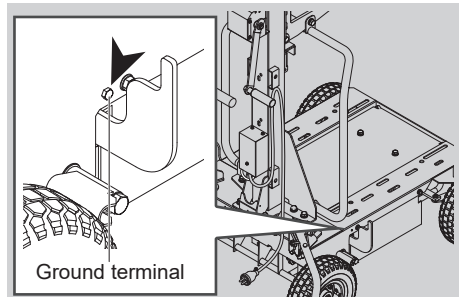
When using the adjust lever or adjusting the lamp angle, there is a risk of injuring your fingers or hands, or damaging the lamp cable.

- It is important to be cautious of your surroundings and the safety of your hands when operating the lighting unit.

There is a ground connection terminal to the lighting system

⚠ CAUTION

To prevent electric shocks, always connect to the ground.



■ Transportation

Check the lighting system before transportation

⚠ DANGER

Always tighten the adjust lever firmly and ensure the balloon light assembly is fixed to the mast before transporting the lighting system, to prevent the balloon light assembly from falling down or being damaged in transport.

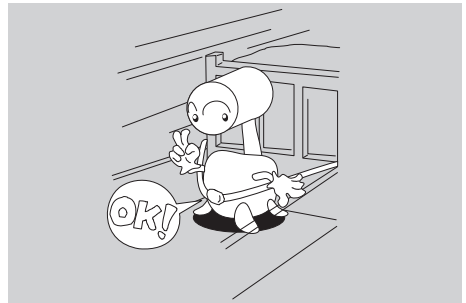
- Do not use the lighting system or generator during transportation.
- When transporting, please fold down the lighting unit and ensure that the adjust lever is tightened.
- During transportation, please be cautious and make sure your feet do not get caught in the tires.
- Make sure to properly fit and secure the protective cover onto the balloon light assembly before transporting it.
- Prior to transporting at high speeds or over rough terrain, make sure to detach the balloon light assembly to prevent it from falling off or getting damaged.

Please securely fixed

⚠ DANGER

If the lighting system is not fixed, may be damaged or fall, resulting in a serious accident.

- When transporting by a vehicle, Apply parking brake and tie down securely to prevent movement.



Beware of the height

⚠ DANGER

To avoid the risk of losing balance and falling over, always retract the mast when in motion.

⚠ DANGER

Transporting the lighting system while the mast extended could collide with overhead obstructions.

Contact with overhead power lines or other obstructions could result in equipment damage, electrical shock, electrocution and even death.

- Always lower the mast fully and fold the lamp stand before transporting the lighting system, to prevent the lighting systems from bumping into a tunnel or against a guard during transport in a truck. Please lock the adjust lever.

◆ Height when stored : 1780mm

Be careful for transporting on slope



Adjust braking force depending on movement of the unit on the slope where it can be moved by its own weight when you release the brake.

- Do not transport the unit by human power on a steep slope where the cart could move by its own weight. Use a vehicle to the installation place.

Be careful when loading on to the truck



Loading and unloading on an unstable place may cause the fall of the unit resulting in defect and / or injury.



When brake is released, the unit moves by its own weight and may cause the fall resulting in defect and/or injury. Put on parking brake and use wheel stoppers.

- Load and unload on a flat place.
- Keep eyes on movement of the unit during transportation.

Please use the designated lifting point



Never lift up the lighting system at any point except the specified one. Using the other point could result in bodily injuries.

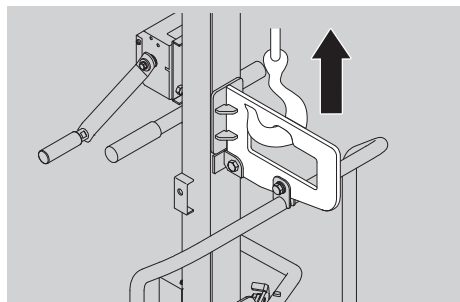
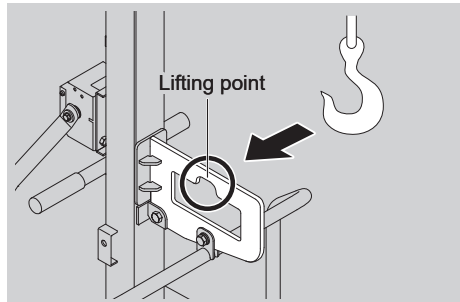


The wire to be come off or the lighting system to be overturned and result in bodily injuries.



Do not hang in strong winds.

- The lighting system can be lifted in a well-balanced posture at the specified point when the generator is mounted.
- Lower the mast fully when moving or lifting the lighting system.



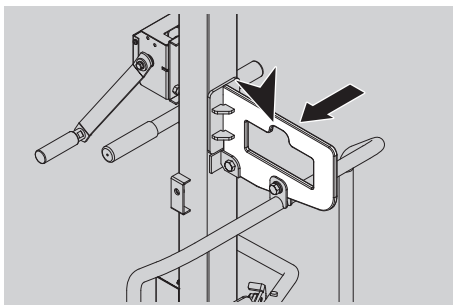
Be careful to forklift work

⚠ DANGER

Be careful not to make a sudden stop or a short turn when conveying lighting system by forklift, to prevent it from falling down.

⚠ DANGER

Using any area other than the fork pockets to lift the lighting system may result in it falling, causing damage or serious injury.



- It is important to be cautious of your surroundings when transporting the lighting system with a forklift.
- When lifting the lighting system with a forklift, always use the fork pockets located on the hanger.

Never put the balloon light assembly directly during transport

⚠ CAUTION

Placing the balloon light assembly directly on a platform of truck could lead to a damage to the balloon cloth.

- ALWAYS place the components into protective cover during transport. Fix them firmly on the platform of truck.

Do not make an impact to lamp

⚠ CAUTION

A strong impact may significantly reduce the life of the lamp or damage it.

- Please be careful when transporting, loading and unloading.

Be careful during transporting

⚠ CAUTION

Please be aware that the lighting system is quite heavy and could cause harm or damage if collides while in motion.

- Please ensure there are no individuals or objects close before moving the lighting system.
- Please take care to avoid rolling over your own feet while moving the lighting system.

■ Balloon

Do not touch the lamp when lamp is on

⚠ WARNING



Do not touch the balloon part due to the high heat emitting. Allow it to cool down sufficiently before working on it.

⚠ CAUTION

ALWAYS keep the balloon away from fire, excessive amount of heats and sharp objects. Replace balloon immediately if damaged. A damaged balloon will not inflate properly, and may become more damaged by touching the hot lamp surface.

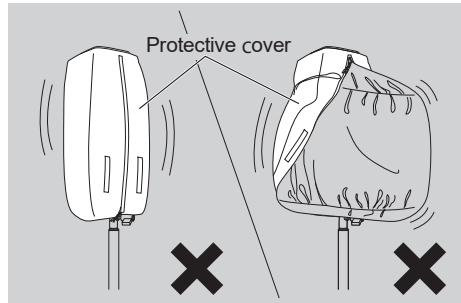
- Depending on the ambient temperature, the surface temperature of the balloon could increase to 80°C (800W). Avoid touching it to prevent burns.

Please store the protective cover before turning on the light

⚠ CAUTION

If you turn on the light with the protective cover on, the inside of the cover will become hot, potentially leading to smoke, fire, and damage to the lighting system.

- When turning on the light, ensure the protective cover is fully open and the balloon cloth is properly inflated.
- Please ensure the protective cover is placed on top of the balloon before switching it on.

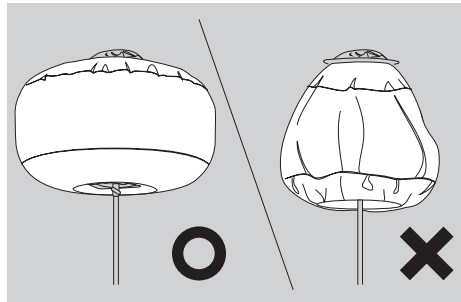


Please ensure that the zipper is completely closed before turning on the light

⚠ CAUTION

If the zipper is left open, the balloon cloth will not inflate properly, leading to overheating, potential smoke, fire, and damage to the lighting system.

- Please ensure that the zipper is fully closed when the light is on.
- Ensure that the balloon cloth is fully inflated during operations.



ALWAYS place the balloon inside the protective cover after each use

▲CAUTION

Balloon cloth is a consumable item.
Exposure to excess wind or rain could damage the balloon cloth.

- ALWAYS place the balloon inside its protective cover after each use. Wipe off dirt and mud before storage.

■ Lifting operation of mast

Please be careful when you raising and lowering the mast

▲DANGER

Corrosion and wire rope, please as soon as possible exchange when the fray has occurred.

▲DANGER



Always make sure the area above the lighting system is open and clear of overhead power lines and other obstructions. Contact with overhead power lines or another obstructions would result in equipment damage, electrical shock, electrocution and even death.

▲WARNING



Be careful not get your fingers caught in the mast when raising and lowering the mast.

▲CAUTION

When raising the mast, please make sure that there is nothing overhead. When the mast is in contact with equipment and contact matter, it may be damaged.

▲CAUTION

Pay attention to the lamp cable. If it becomes entangled, there is a risk of disconnection or damage.

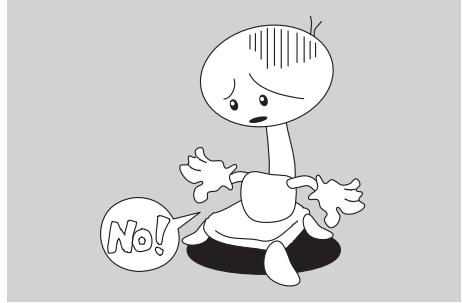
◆Please check the safety of surroundings before raising or lowering the mast.

■ Generator

Use appropriate generators

⚠ CAUTION It may not light up due to generator matching issues.

- If an output power of the generator is not appropriate, the life of the generator will be shortened and the lamp may turn off or blink.



Do not start or stop the generator with the power plug plugged in

⚠ CAUTION If you start or stop the engine with the power plug plugged in, the generator may be damaged.

- The status of the generator is unstable immediately after starting and stopping the engine. Do not insert the power plug of the lighting system until the generator is stabilized.

Please observe the handling precautions of generator

- If using a generator to power lighting system, refer to applicable generator manual safety information section.

■ Operation

Please note electric shock and leakage

⚠ DANGER NEVER operate the lighting system or handle any electrical equipment while standing in water, while barefoot, while hands are wet or in the rain. A dangerous electrical shock could occur, causing severe bodily harm or even death.

- Make sure the outlet is IP54 rated or above.
- The lighting system is not waterproof. Do not use it in rain or snow, in a place where it may be splashed with water, or immerse it in a puddle.
- STOP using the lighting system immediately if submerged in water.
- The lighting system is equipped with a ground pin on the power plug. For your protection, ALWAYS complete the grounding path. NEVER insert the AC power plug into a 2-prong receptacle to operate lighting system. When applying power to the lighting system, ALWAYS connect the AC power plug to a 3-prong receptacle that is grounded. Failure to follow could lead to electrical shock, electrocution and even death.

Do not attach or detach the connector while the power is on

⚠ DANGER



There is a risk of equipment damage or electric shock.

- Before attaching or detaching the connector, remove the power plug.

Please note the power plug and terminals

⚠ DANGER



Do not touch the power plug or terminals during operation. There is a risk of electric shock.

- **⚠ DANGER** ALWAYS stop using immediately, if the AC cable generates excessive amount of heats.

- Make sure that the power plug is free of dirt and foreign substances before inserting it firmly into the outlet.
- Unplug the power plug when not in use.

Do not apply any strong impacts

⚠ CAUTION

A strong impact could damage the lamp and shorten the product life significantly.

Please note the ambient temperature.

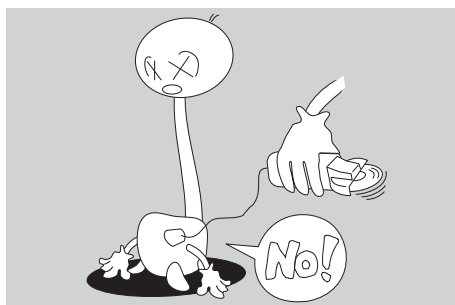
⚠ CAUTION

If the product is used in an environment with an ambient temperature of 40°C or higher, it will begin to blink. In some cases, the light may go off.

- The lighting system should only be used in temperatures between -10° to 40° C.

Please check the capacity of the generator when using the lighting system with other equipment.

- Connecting a load that exceeds the power generation capacity will cause the lamp to turn off.



■ Inspection, maintenance and storage

Please inspect and maintain

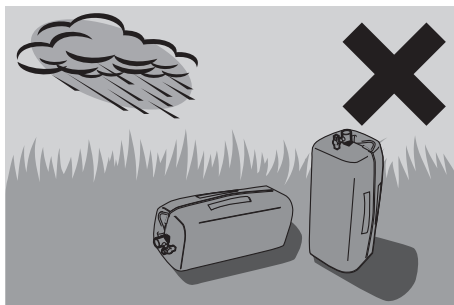


Decreased tyre pressure may result in poor braking performance.

- Before and after use, be sure to remove mud and dirt, and perform inspection and maintenance such as lubrication and grease up.
- Wipe dirt or foreign matter that may have accumulated during operation.
- If you experience any issues or abnormalities while using the product, please cease usage immediately and conduct an inspection and maintenance.
- Adjust tyre pressure. [245-294 kPa (35.5-42.6 PSI)].

Storage

- Equipment should be stored in a clean, dry location out of the reach of children and unauthorized personnel.
- When storing the balloon removed from the mast, do not place it directly on the ground to prevent the rain water from penetrating into it.
- Do not store outdoors with the air inlet facing up.
- Balloon cloth is a consumable item. ALWAYS place the balloon inside its protective cover after each use. This will prolong the life of the balloon material, keeping it protected from harsh environmental elements.



- After lowering the mast, to loosen the tension of the wire rope.
- Wipe off dirt and mud before storage. Lubricate and grease up the metal parts.
- ALWAYS store equipment properly when it is not being used.
- Please store it indoors as much as possible.
- If it is unavoidable to store it outdoors, cover it with a tarpaulin to avoid exposure to rain and snow.

■ General Safety

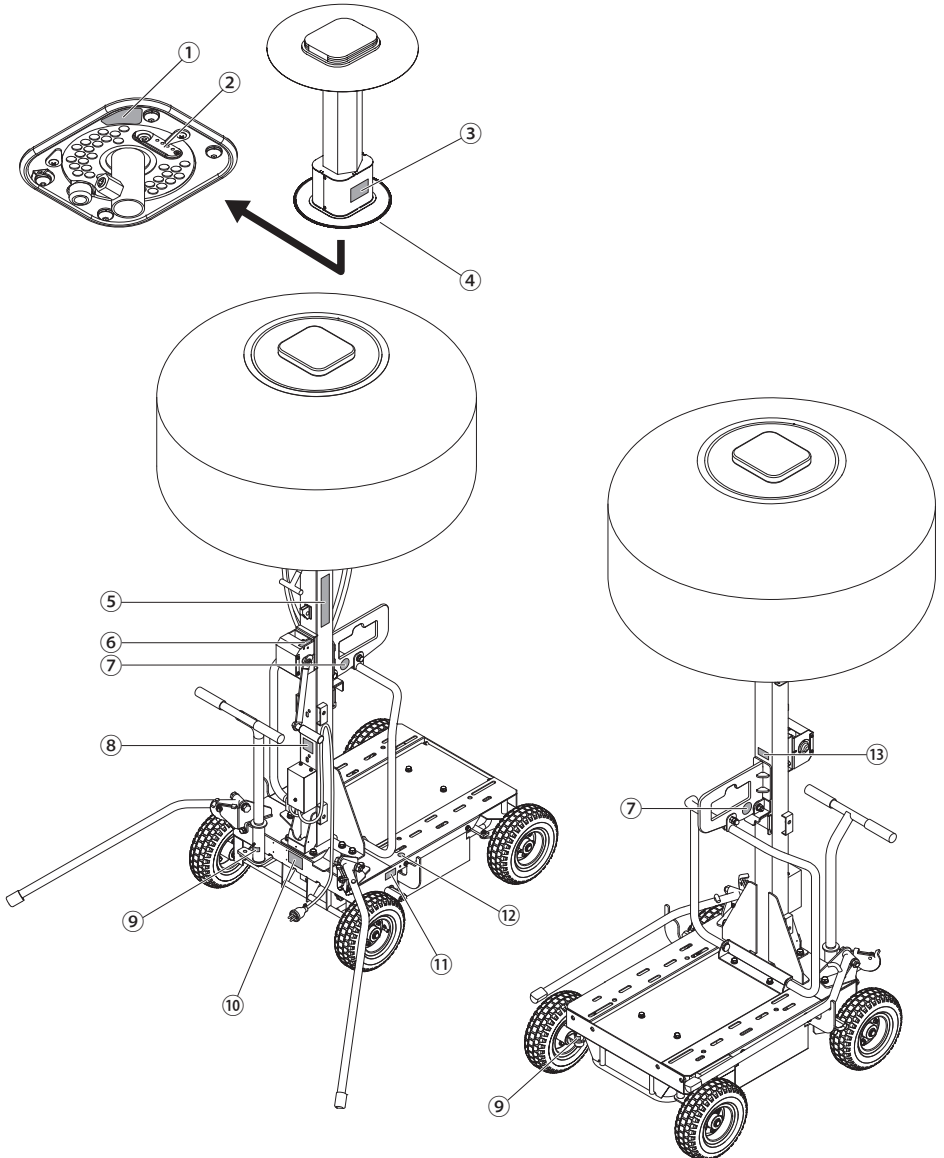
Please take general safety

- Never operate this product under the influence of drugs or alcohol.
- Never operate this product when not feeling well due to fatigue, illness or when under medication.
- Please do not handle while wearing baggy cloth, ornaments which could possibly get caught in machine parts, or avoid wearing clothes with oil attached they can easily be flammable.
- Please dress properly for preventing injury, please wear a shoes with slipping protection.
- Please do not modify.
- Please take a look at surrounding when operating, and ensure the safety.
- If the external flexible cable or cord of this lighting system is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

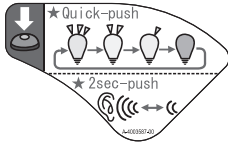
Location of Warning Labels

⚠WARNING

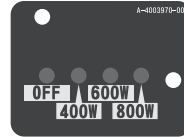
This lighting system is equipped with a number of safety decals. These decals are provided for operator safety and maintenance information. The illustrations below and on the next page show these decals as they appear on the machine. Should any of these decals become unreadable, replacement can be obtained from your dealer.



①A-4003587-00



②A-4003970-00



③A-4002538-00



④A-4006113-00 (Inside of the unit)



⑤A-4005843-00



⑥A-4002627-00



⑦A-4005796-00



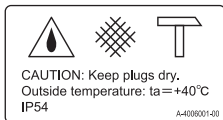
⑧A-4002539-00



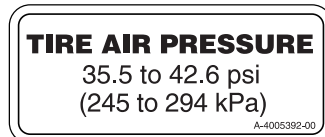
⑨A-4005019-01



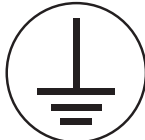
⑩A-4006001-00



⑪A-4005392-00



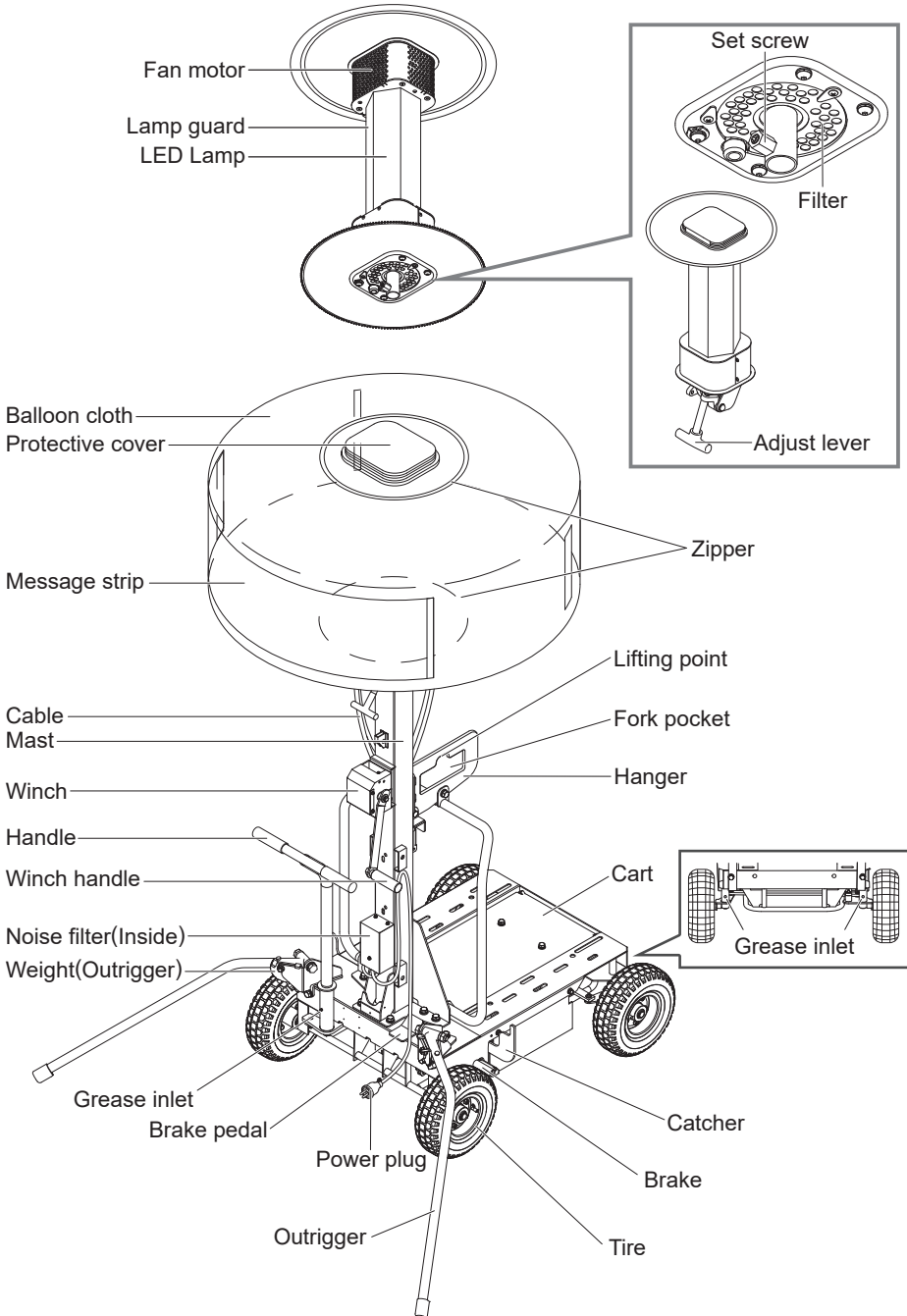
⑫A-4004573-00



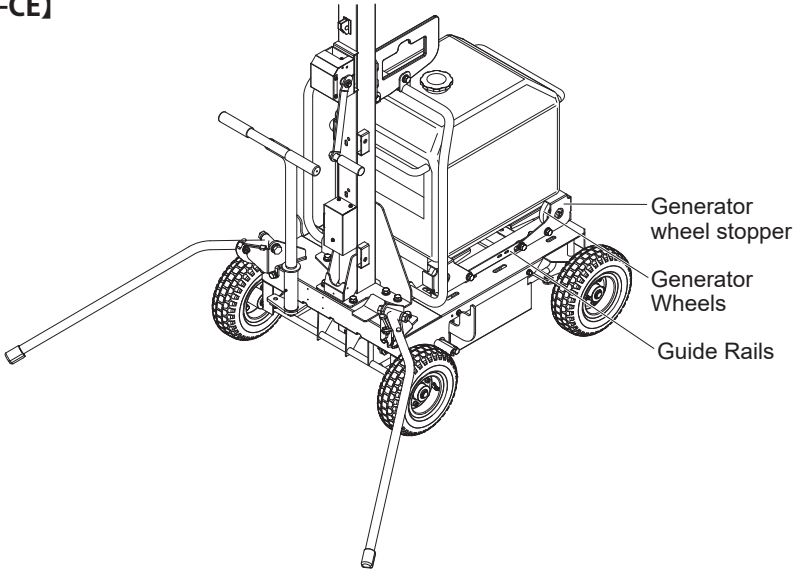
⑬A-4006106-00



Product overview



[B8CS-A-CE]

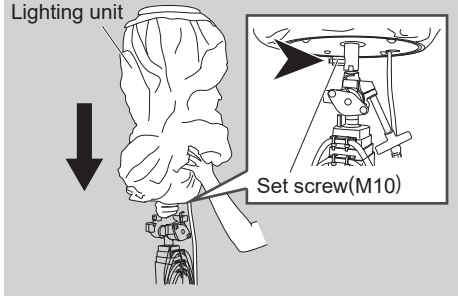


Lamp Unit Installation Method

1. Place light assembly onto mast and tighten the set screw securely.

⚠ DANGER

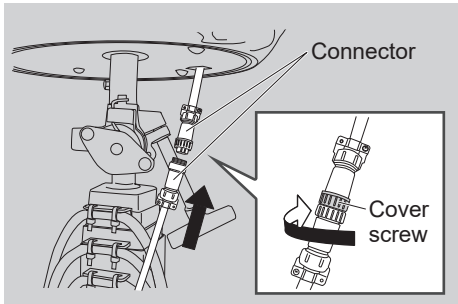
Tighten the adjust lever and bolts properly. If the adjust lever and bolts are loose, the lamp or mast may fall, resulting in injury or damage.



2. Connect the connector and tighten the cover screws.

⚠ DANGER

Be sure to use the same type of connector and tighten the cover screws securely. Using a loose connection or a different type of connector may result in malfunction or a short circuit at the connection point.



⚠ DANGER

Do not attach or detach the connector while the power is on. There is a risk of equipment damage or electric shock.

◆ When separating the lamp unit, such as during transport, please follow the reverse order of this procedure (Step 2 → Step 1).

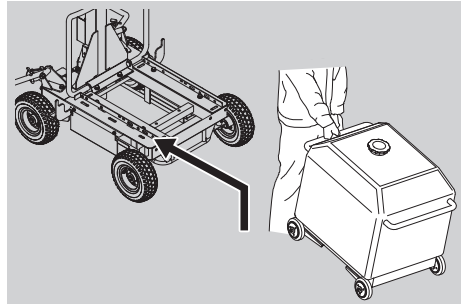
Generator Installation Method

◆Please read this section if installing a generator.

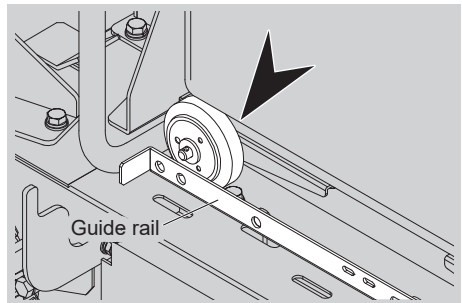
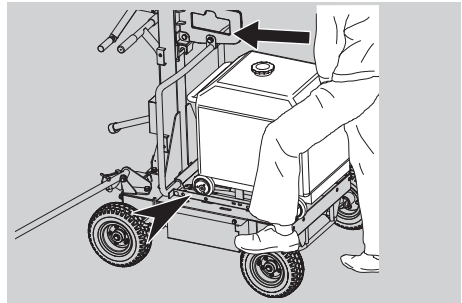
◆If the unit is already in a ready-to-use state, proceed to the next section, "Basic Operation Instructions."

■ B8CS-A-CE

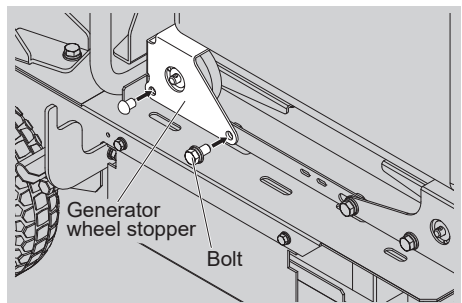
1. Lift the rear part of the generator and place the rear wheels onto the guide rail.



2. Lift the front part of the generator and slide the generator wheels all the way into the guide rail.



3. Attach the wheel stoppers and secure them on both sides using bolts to prevent the wheels from moving.

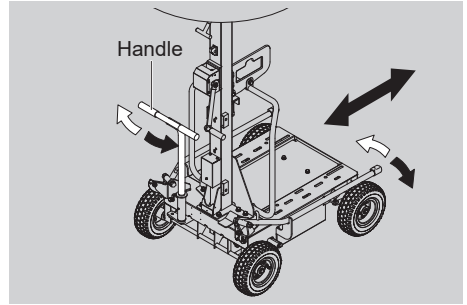


Operation

■ Handle operation

Forward and reverse travel

- Pushing the handlebar forward makes the lighting system to travel forward and pulling back the handle makes it to travel reverse..



Right and left travel

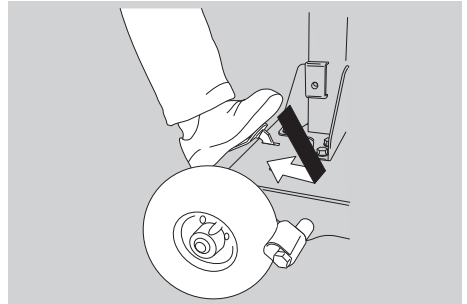
- Turn the handlebar in the left (right) direction, and the front wheels turn in the right (left) direction, respectively.

◆ The wheels are designed to turn in the opposite direction of the handle operation so that you can apply the force easier.

■ Parking brake operation

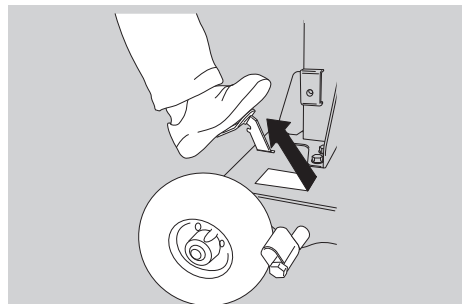
Applying the parking brake

- To apply parking brake, step on the brake pedal and slide backward. This will lock the rear wheels. For additional safety use chock blocks to prevent rolling.



Releasing the parking brake

- Kick down the brake pedal and hold, then release. This action will dis-engage the brake.

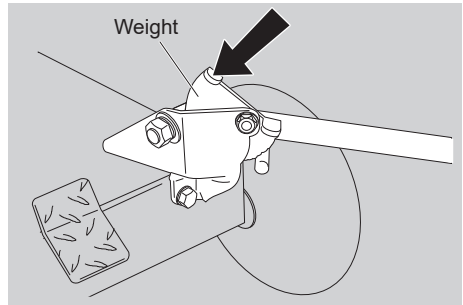
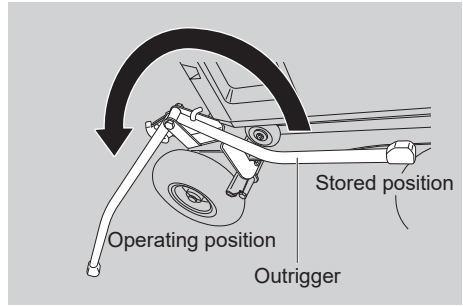


Deploying the outriggers Installation

⚠ DANGER

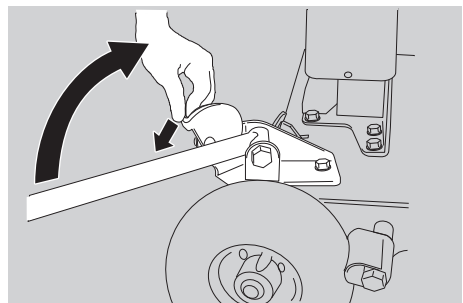
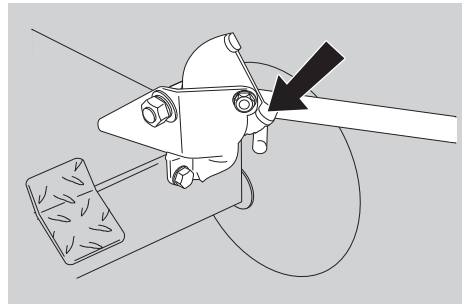
NEVER use without deploying the outrigger. The possibility exists of tipping.

- Please make sure to deploy both sides of the outriggers and ensure they are in the correct position for automatic securing.
- Please tread lightly on the area pointed out by the arrows if the counterweights for the outriggers are not functioning properly.



Stowing of outrigger

- To release the counterweights, apply firm pressure on the area the arrow indicates.
- To properly stow the outrigger, follow these steps: hold the counterweight as shown in the illustration on the right, and then push the outrigger forward until it reaches the storage position.



■ Lighting angle operation

⚠ DANGER

Once you have made the necessary adjustments, please make sure to tighten the adjust lever securely. Failure to do so may result in the balloon light assembly falling off and causing serious harm.

⚠ WARNING

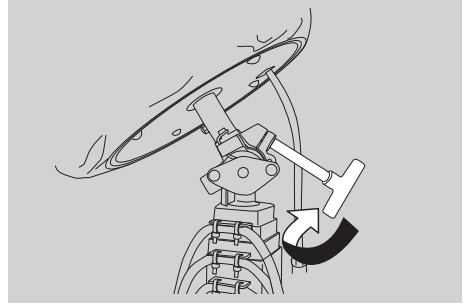
Before adjusting the balloon light assembly's position, please ensure no obstructions are around. Please place your hands on the balloon light assembly and tilt it down slowly.

⚠ WARNING

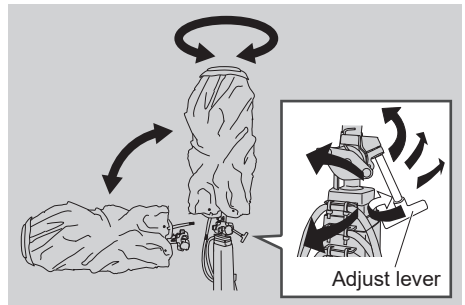


Please take note to adjust the angle of the balloon light assembly only when it is securely placed on the mast. Be mindful of the rotating part to avoid pinching your hands.

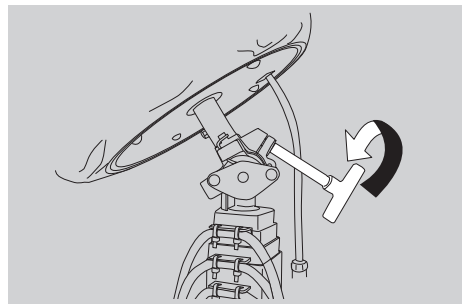
1. Loosen the adjust lever at the bottom of the balloon light assembly.



2. Slowly tilt the adjust lever to the desired position.



3. After adjustment, please tighten the adjust lever.



■ Mast operation

⚠ DANGER

Corrosion and wire rope, please as soon as possible exchange when the fray has occurred.

⚠ DANGER



Always make sure the area above the lighting system is open and clear of overhead power lines and other obstructions. Contact with overhead power lines or another obstructions would result in equipment damage, electrical shock, electrocution and even death.

⚠ WARNING



Be careful not get your fingers caught in the mast when raising and lowering the mast.

⚠ CAUTION

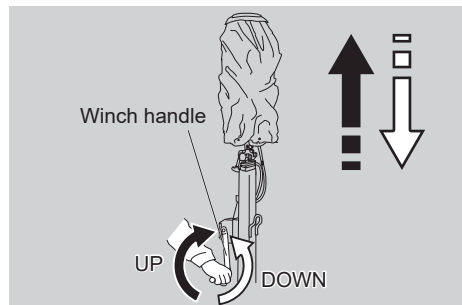
When raising the mast, please make sure that there is nothing overhead. When the mast is in contact with equipment and contact matter, it may be damaged.

⚠ CAUTION

Pay attention to the lamp cable. If it becomes entangled, there is a risk of disconnection or damage.

◆Please check the safety of surroundings before raising or lowering the mast.

- Turn the winch handle to raise or lower the mast for adjusting height of light. Turning the winch handle to the right (clockwise) and left allows the mast to be raised and lowered respectively.



■ Lifting operation

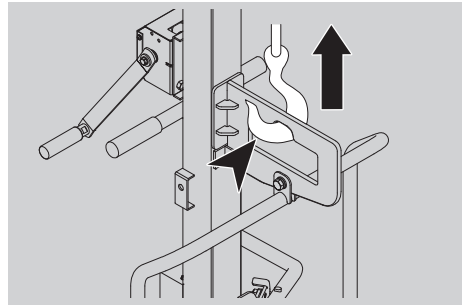
⚠ DANGER

Lower the mast fully when moving or lifting the lighting system. Failure to do so could cause the wire to be come off or the lighting system to be overturned and result in bodily injuries.

⚠ DANGER

Do not hang in strong winds.

- ALWAYS use lifting point when hanging.



■ Conveyance by forklift

⚠ DANGER

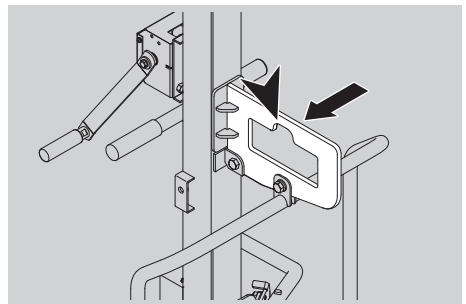
Be careful not to make a sudden stop or a short turn when conveying lighting system by forklift, to prevent it from falling down.

⚠ DANGER

Using any area other than the fork pockets to lift the lighting system may result in it falling, causing damage or serious injury.

◆ Please completely lower the mast.

- When lifting the lighting system with a forklift, always use the fork pockets located on the hanger.



Lights on / Dimming / Lights off

⚠ DANGER

Once you have made the necessary adjustments, please make sure to tighten the adjust lever securely. Failure to do so may result in the balloon light assembly falling off and causing serious harm.

⚠ WARNING



Do not touch the balloon part due to the high heat emitting. Allow it to cool down sufficiently before working on it.

⚠ WARNING



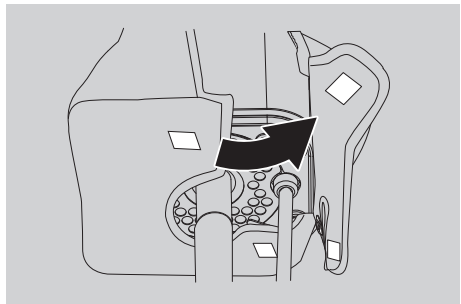
Please take note to adjust the angle of the balloon light assembly only when it is securely placed on the mast. Be mindful of the rotating part to avoid pinching your hands.

⚠ CAUTION

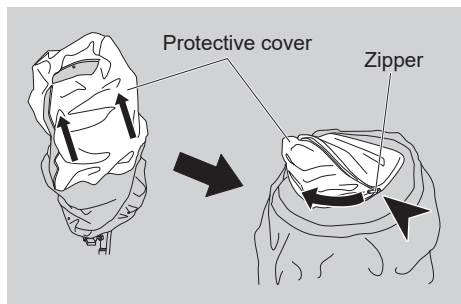
Starting and stopping the generator with the AC switch in the ON position may cause the generator to malfunction. If the generator does not have an AC switch, start / stop the generator with the plug unplugged.

■ Preparation for turning light on

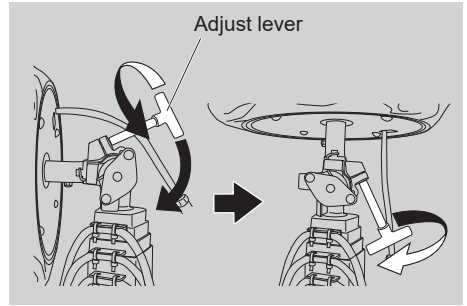
1. Remove the velcro from the protective cover and open the zipper.



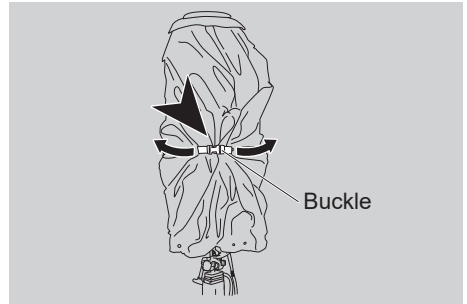
2. Fold the protective cover into itself and zip up.



3. Loosen the adjust lever.
4. Shift the adjust lever forward with a firm hand to smoothly adjust the balloon light assembly.
5. Tighten the adjust lever.



6. Release the buckle on the belt holding the balloon together.



■ Turning lights on

Powering from Generator

- ◆ Make sure oil, fuel and battery liquid are filled.
- ◆ Make sure the main switch of the generator is OFF.
- ◆ Make sure the generator is properly grounded with a ground bar etc.
- ◆ If there are any electrical appliances connected to the generator, please ensure that there is enough electrical capacity available for the lighting system.
- ◆ Allow the generator to warm up for approx. 3 minutes.

1. Start the generator. (Please check the instruction manual of your generator for the starting procedure.)
2. Once the generator has stabilized, plug the power plug into the outlet.
3. The AC switch of the generator is ON.

Powering from commercial power supply

- Simply insert the power plug into the commercial power supply.

■ Turning lights off

Powering from Generator

1. Turn off the AC switch of the generator.
2. Stop the generator.

◆ Be sure to shut down the generator last.

Powering from commercial power supply

- Unplug from the commercial power Supply.

Storage

⚠ DANGER

Once you have made the necessary adjustments, please make sure to tighten the adjust lever securely. Failure to do so may result in the balloon light assembly falling off and causing serious harm.

⚠ WARNING



Do not touch the balloon part due to the high heat emitting. Allow it to cool down sufficiently before working on it.

⚠ WARNING

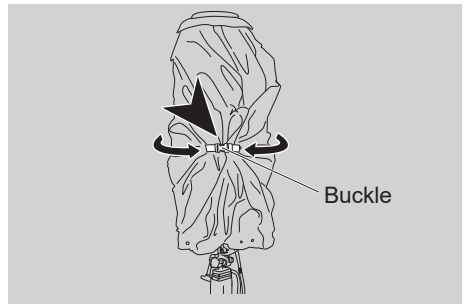


When adjusting the angle, be mindful of the rotating part to avoid pinching your hands.

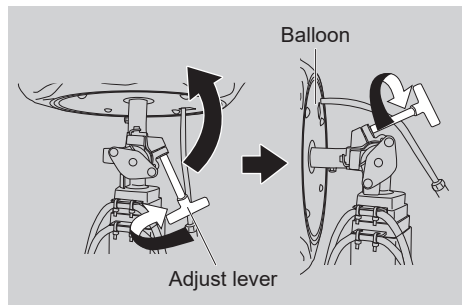
⚠ WARNING

Before adjusting the balloon light assembly's position, please ensure no obstructions are around. Please place your hands on the balloon light assembly and tilt it down slowly.

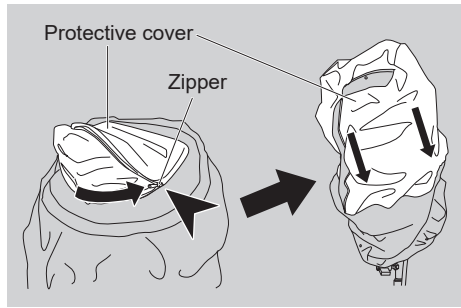
1. Lock the buckle on the belt holding the balloon together.



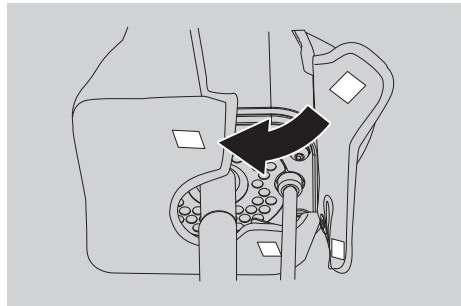
2. Start by loosening the adjust lever.
3. With your hands on the lamp, carefully tilt the adjust lever diagonally upwards. This will position the balloon light assembly horizontally.
4. Finally, tighten the adjust lever to secure the position.



5. Unzip the zipper of the protective cover and roll down it over the balloon cloth.



6. Please ensure to close both the zipper and the loop fastener securely.



How to Replace Parts

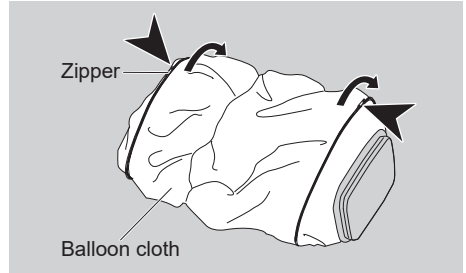
⚠ WARNING



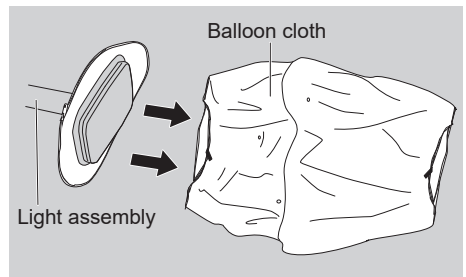
Do not touch the balloon part due to the high heat emitting. Allow it to cool down sufficiently before working on it.

■ Replacing balloon cloth

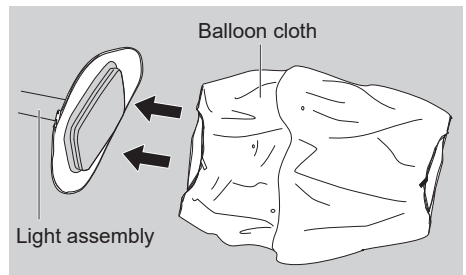
1. Please tilt down the LED lamp horizontally with the adjust lever.
2. Unzip the zippers at the top and bottom of the balloon cloth.



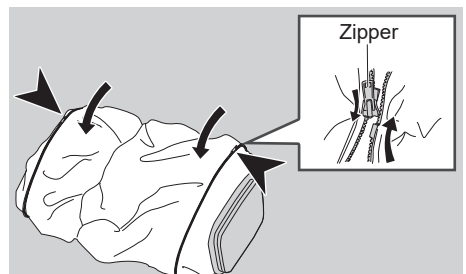
3. Slide the old or worn balloon cloth over the top of the light assembly.



4. Slide the new balloon cloth over the top of the light assembly.



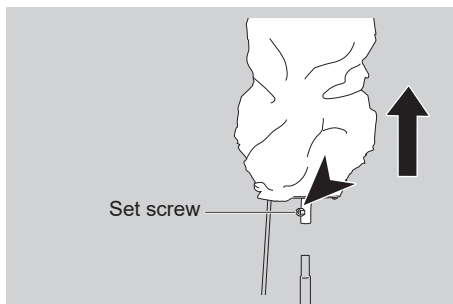
5. Zip up the zippers at the top and bottom of the balloon cloth.



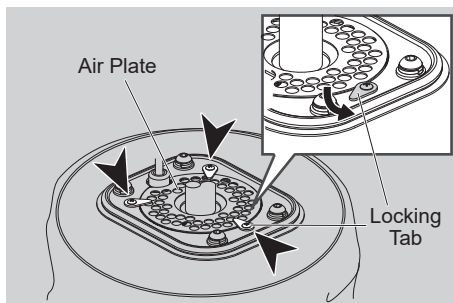
■ Replacing filter

1. Remove the balloon as described on the right.

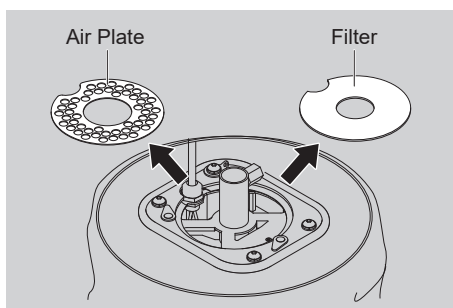
Turn the light assembly upside down to access the filter.



2. Turn the three locking tabs outwards to release the air plate.

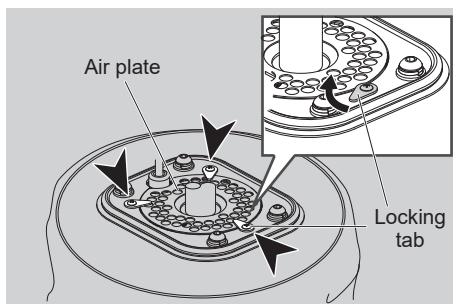


3. Remove the air plate and filter.



4. Install a new filter and reinstall an air plate.

Turn three locking tabs inwards to lock the air plate in place.



Optional Message Strip

CAUTION

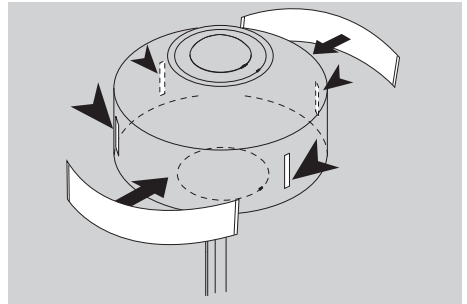
Always place the messages strips firmly to avoid being blown away by strong winds.

- Prepare the optional message strip.



- Attach the message strips to the velcro.

◆ Message strips fit on both sides of the balloon.



Inspection/Maintenance/Storage

⚠WARNING



Never attempt to service or perform maintenance when the power is ON. The possibility exists of short circuit. Please pull out the power plug from the power source.

⚠WARNING



Do not touch the balloon part due to the high heat emitting. Allow it to cool down sufficiently before working on it.

■ Inspection/Maintenance

- For a prolonged life cycle and extended quality follow the recommended guidelines.
 - ...Daily Check □ ...Every 20hrs ● ...Every 100hrs ○ ...Every 500hrs

◆ Hours are just an estimation. Please inspect every time before using the lighting systems.
◆ Please read and follow the supplied generator manual for the generator.

■ General inspection

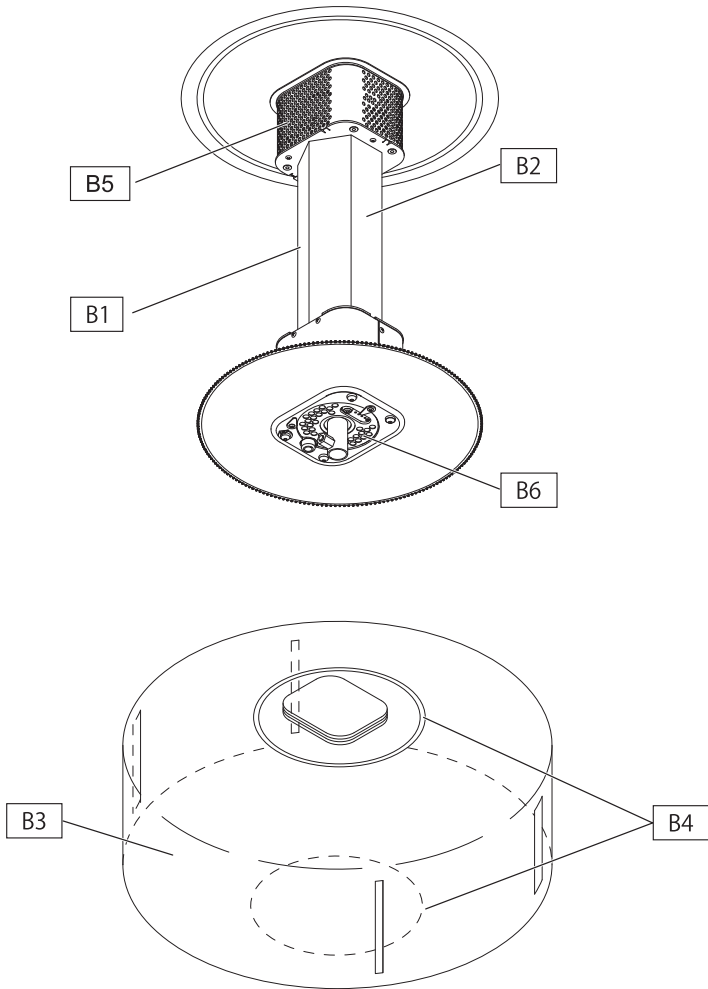
- The lighting system should be cleaned and inspected for deficiencies. Check for loose, missing or damaged nuts, bolts or other fasteners.

■ How to store

- Equipment should be stored in a clean, dry location out of the reach of children and unauthorized personnel.
- When storing the balloon removed from the mast, do not place it directly on the ground to prevent the rain water from penetrating into it.
- Do not store outdoors with the air inlet facing up.
- Balloon cloth is a consumable item. ALWAYS place the balloon inside its protective cover after each use. This will prolong the life of the balloon material, keeping it protected from harsh environmental elements.
- After lowering the mast, to loosen the tension of the wire rope.
- Wipe off dirt and mud before storage. Lubricate and grease up the metal parts.
- ALWAYS store equipment properly when it is not being used.
- Please store it indoors as much as possible.
- If it is unavoidable to store it outdoors, cover it with a tarpaulin to avoid exposure to rain and snow.

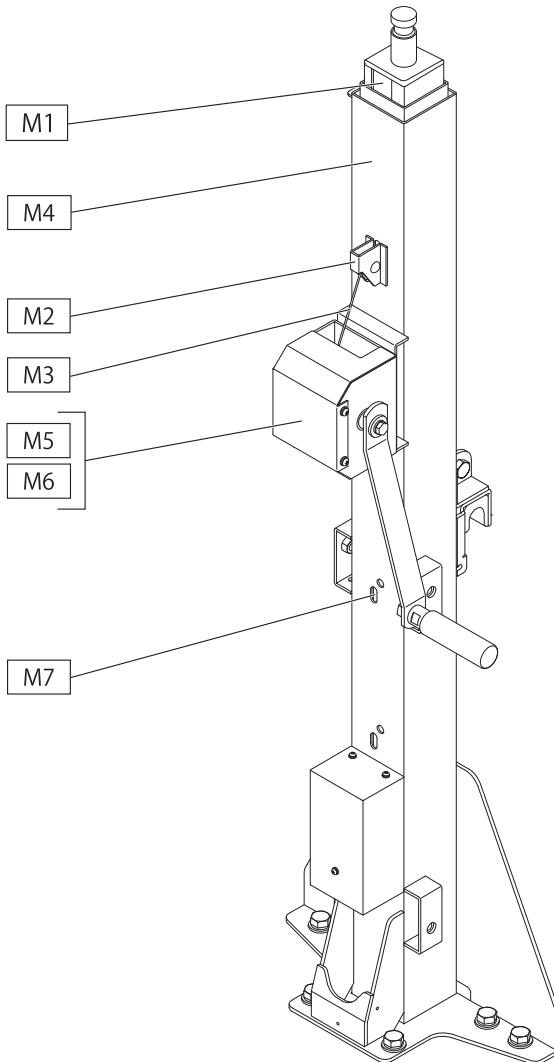
■ Lamp part maintenance

Fig	Parts	Things to be checked	Solution		
Balloon(B)	1	Lamp guard	Dirty, rusty or damaged?	Clean / Replace	○
	2	LED Unit	Defective LED or broken?	Replace	■
	3	Balloon (Envelope)	Dirty, or ripped?	Replace	■
	4	Zipper	Broken?	Replace	■
	5	Fan motor	Does not working properly?	Replace	●
	6	Filter	Dirty?	Clean	●



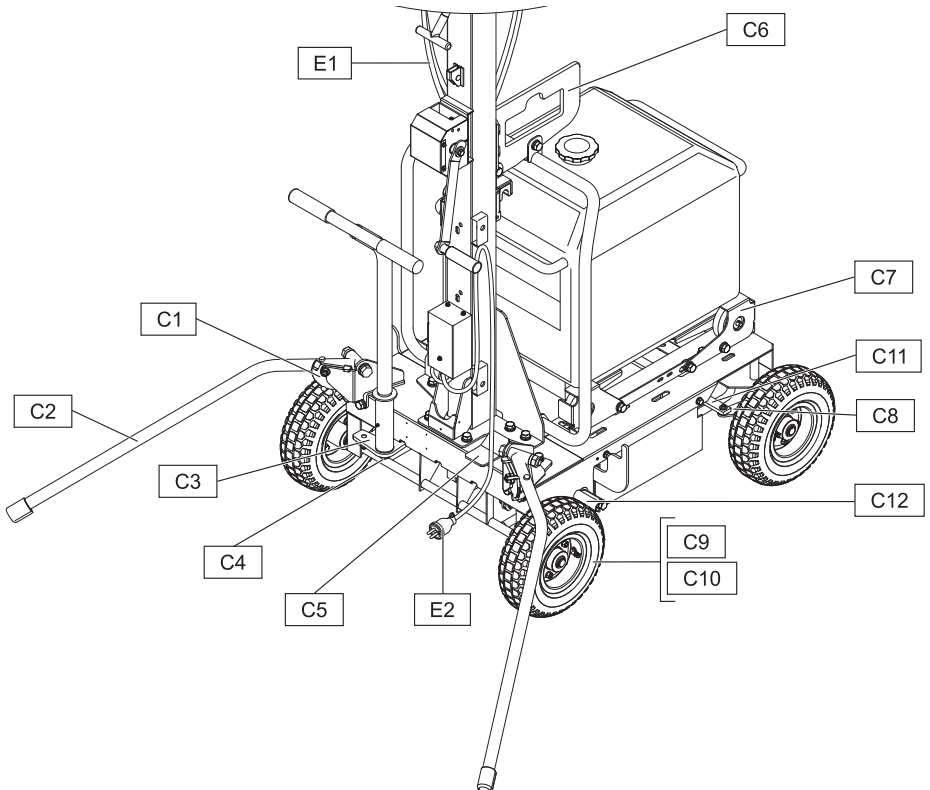
■ Mast maintenance

Fig	Parts	Things to be checked	Solution		
Mast (M)	1	Mast Sliding Surface	Does not slide smoothly?	Apply grease	●
	2	Pulley, Top of Winch	Does not move smoothly?	Apply grease or replace	●
	3	Wire Rope	Damaged, rusty, frayed?	Apply grease or replace	■
	4	Wire Rope End	Damaged (caulking)?	Replace	■
	5	Winch Brake	Defective?	Replace	■
	6	Winch Stopper	Does not operate properly?	Replace	■
	7	Safety Stopper	Loose wire rope and stopper jutting out?	Repair or replace	○

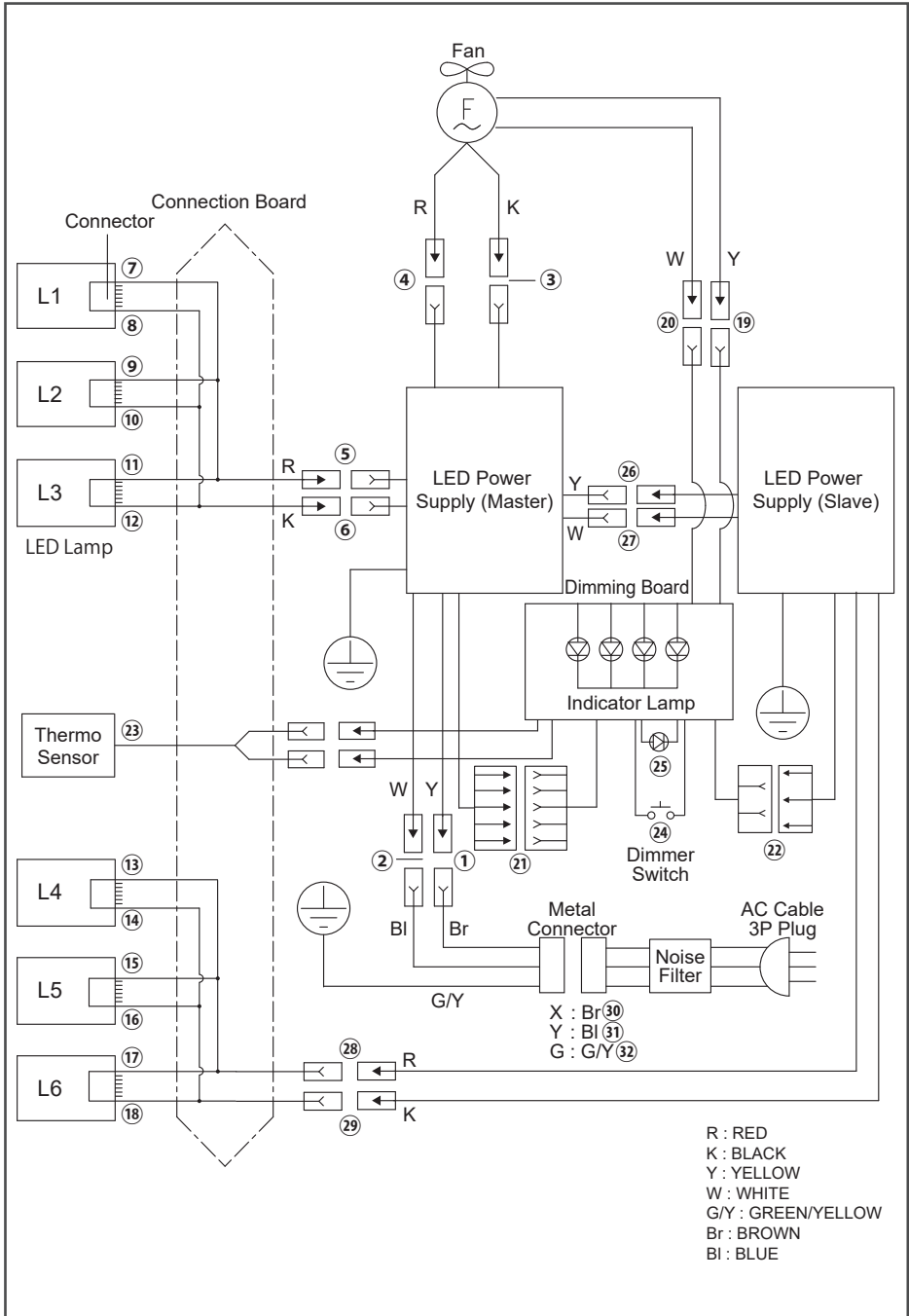


■ Cart part / Electrical part maintenance

Fig	Parts	Things to be checked	Solution		
Cart (C)	1	Weight	Does not operate smoothly?	Apply grease	●
	2	Outrigger	Does not operate smoothly?	Apply grease	●
	3	Steering Link	Loose links?	Tighten properly	●
	4	Bolt for Handle	Loose bolt?	Tighten properly	●
	5	Brake Pedal	Linkage not working smoothly?	Check, spray grease	■
			Notch worn-out?	Replace	■
	6	Hanger	Loose installation?	Tighten properly	■
	7	Generator wheel stopper	Bolts does not loosened?	Tighten properly	□
	8	Front Shaft /Handle Link	Linkage does not move smoothly?	Grease into shaft	●
	9	Tire	Damaged?	Replace	■
	10	Tire pressure	Tire pressure 245-294kPa?	Adjust	■
	11	Link for front shaft	Linkage working correctly?	Apply grease	●
	12	Brake	Working properly?	Adjust	■
13	All of the bolts and nuts	Damaged?	Replace	■	
		Loosened?	Tighten properly	□	
Electrical (E)	1	Power cable	Defective or worn cable?	Replace	■
	2	Power plug	Damaged?	Replace	□



Wiring Diagram



Troubleshooting

■ Lighting unit

Precheck

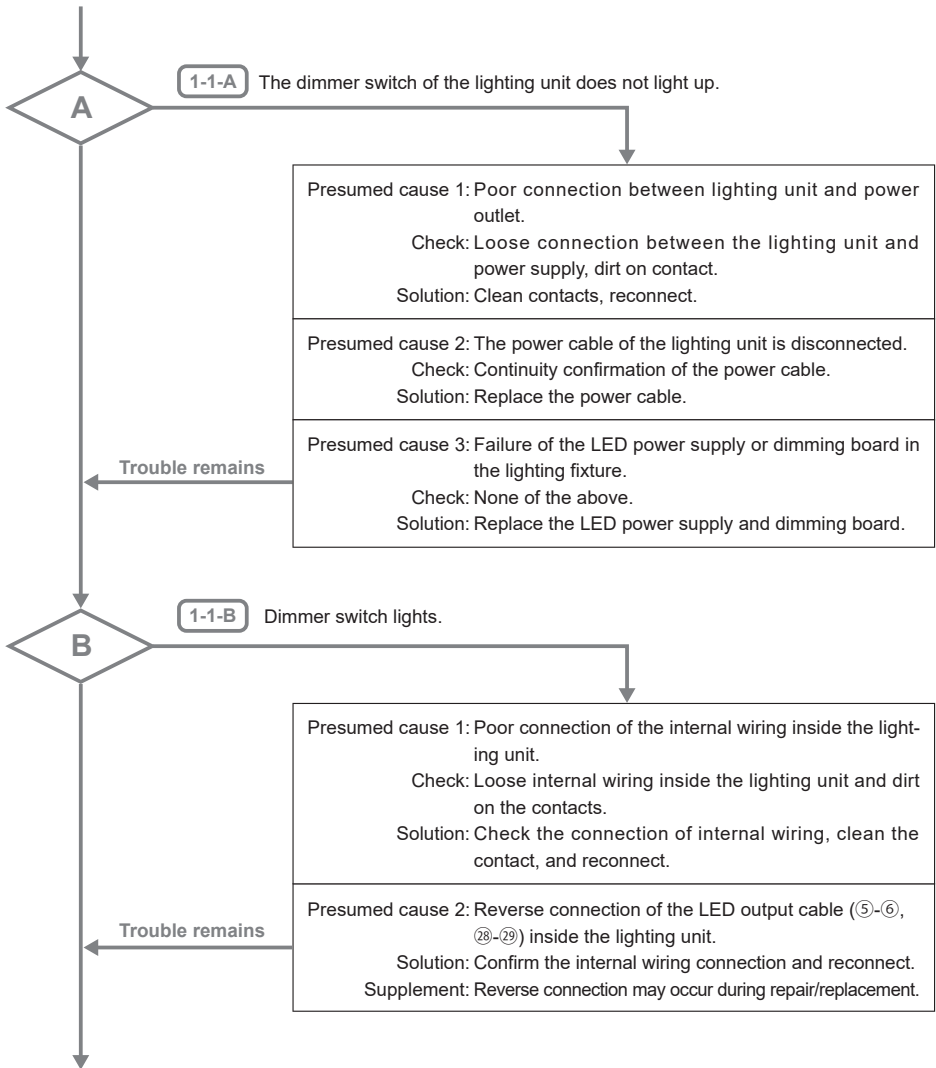
- The specified voltage (AC230V) is coming out from the power outlet.
- The cable is connected properly.

Attention of the operation

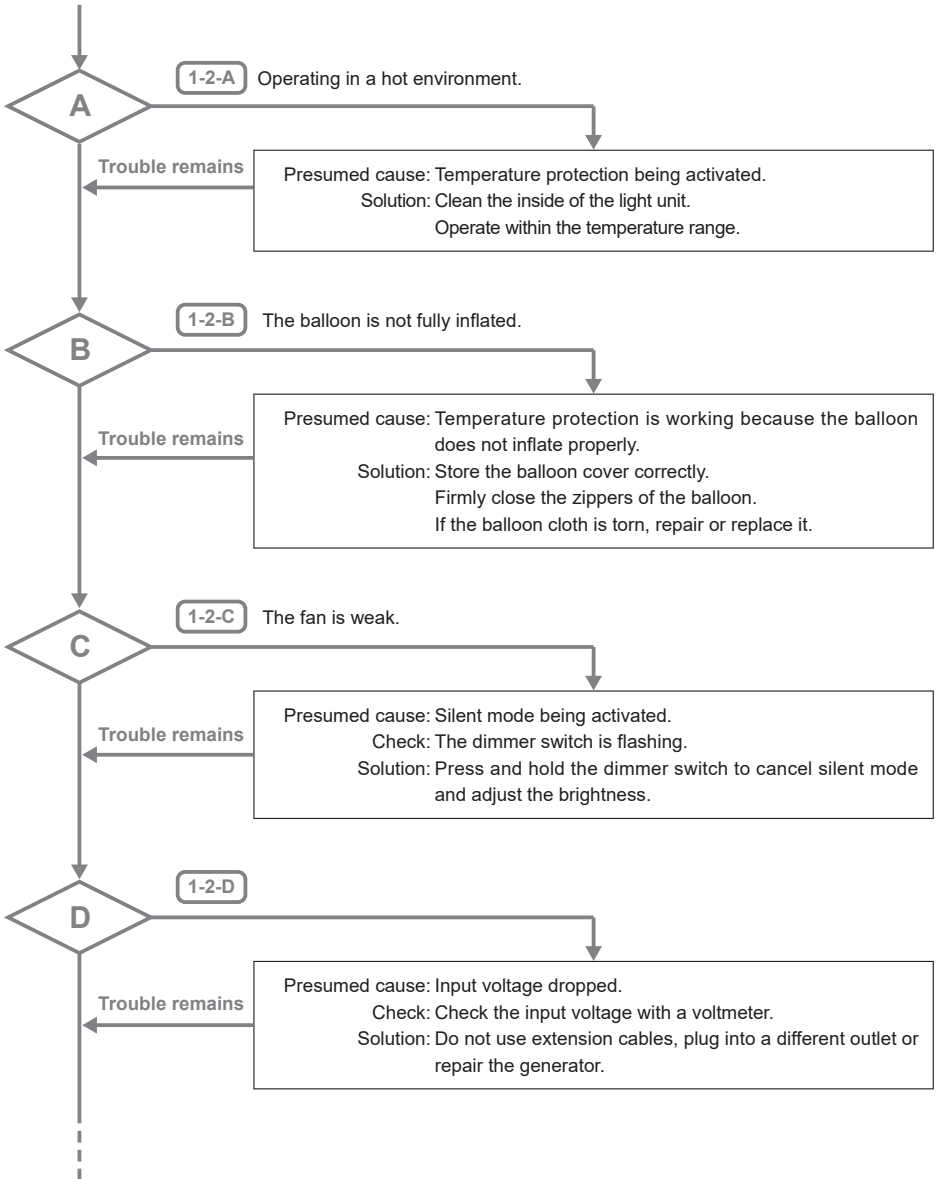
- Before performing any wiring operation, it is necessary to wait for at least one minute after turning off the power.
- Be careful not to get an electric shock.
- Do not work unless you have sufficient knowledge of electricity.

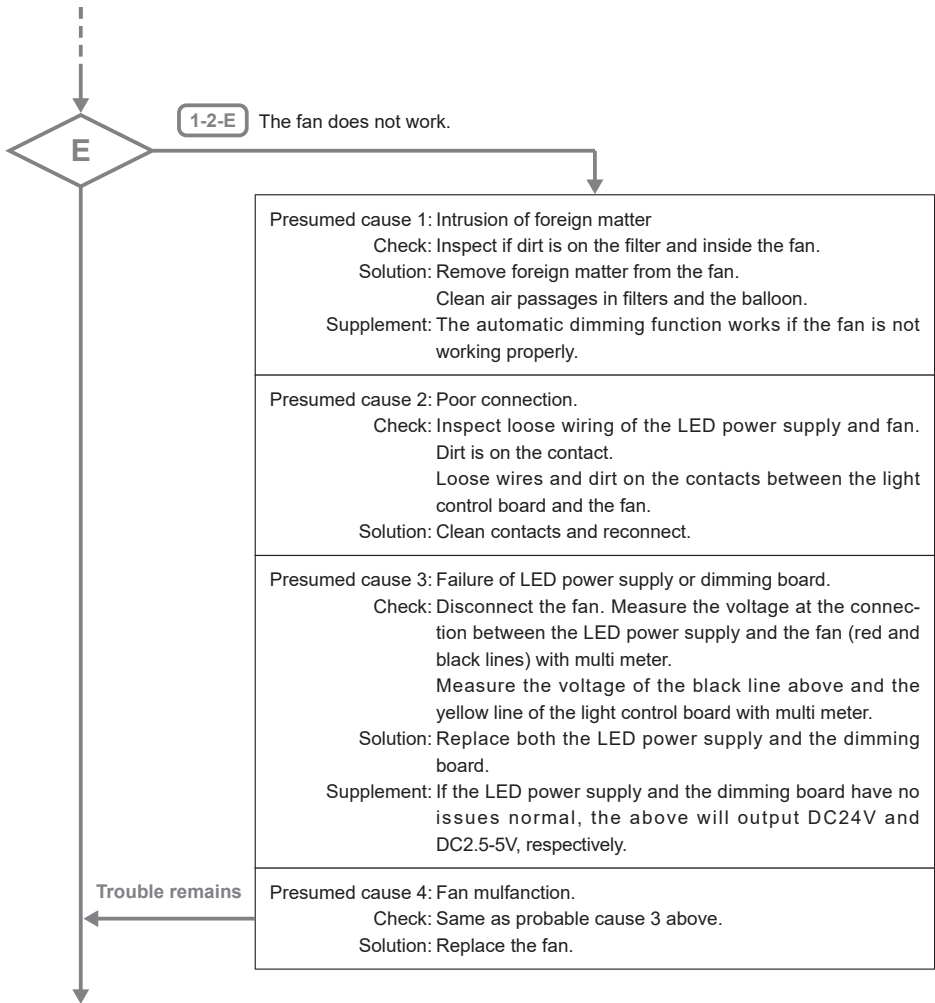
- 1-1. The lighting unit does not light up.
- 1-2. The light automatically dims / turns off.
- 1-3. Dimming does not work.(half / whole)
- 1-4. It lights up but is not so bright.
- 1-5. Some LEDs do not light up.
- 1-6. The balloon is not fully inflated.

1-1.The lighting unit does not light up.



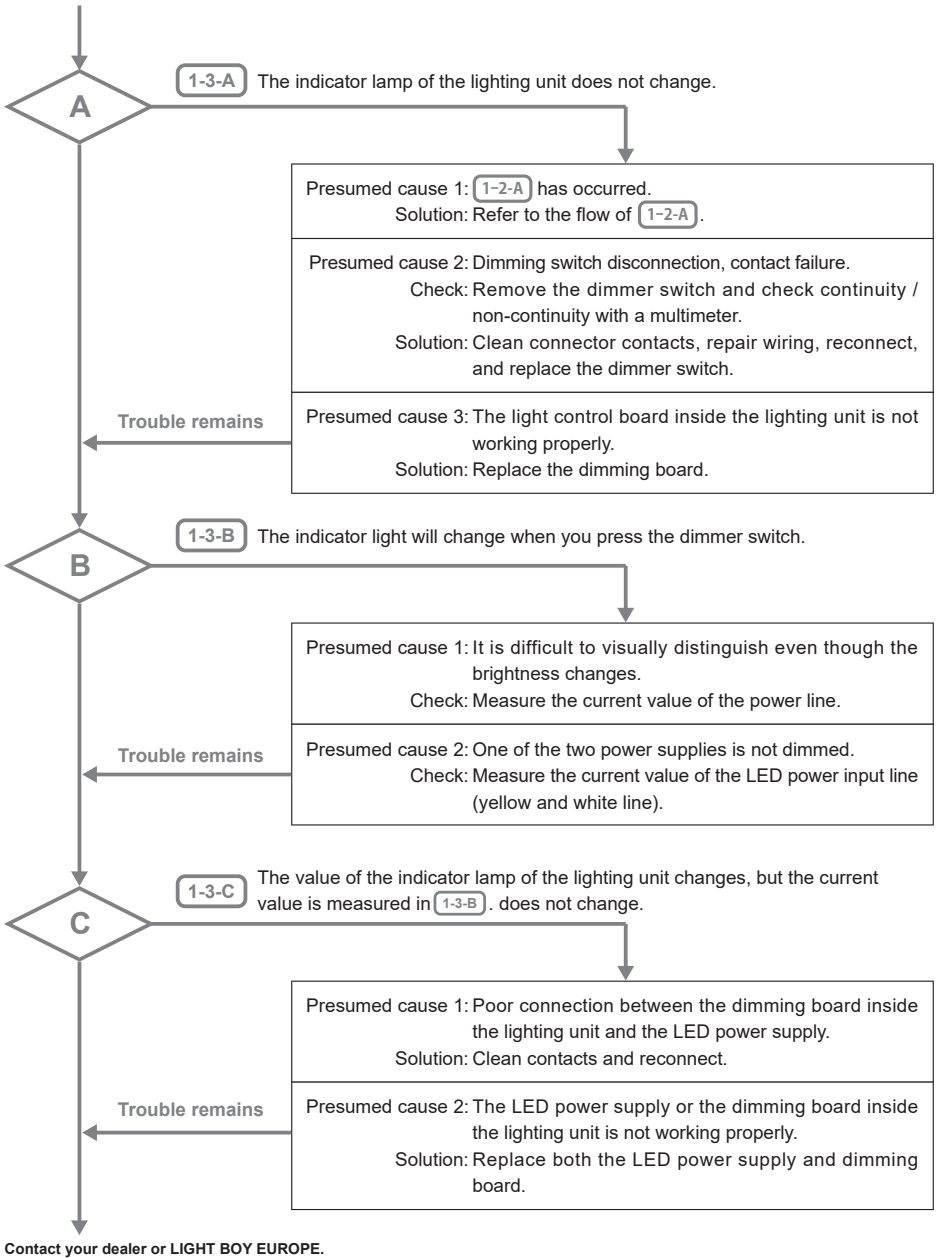
1-2. The light automatically dims / turns off.



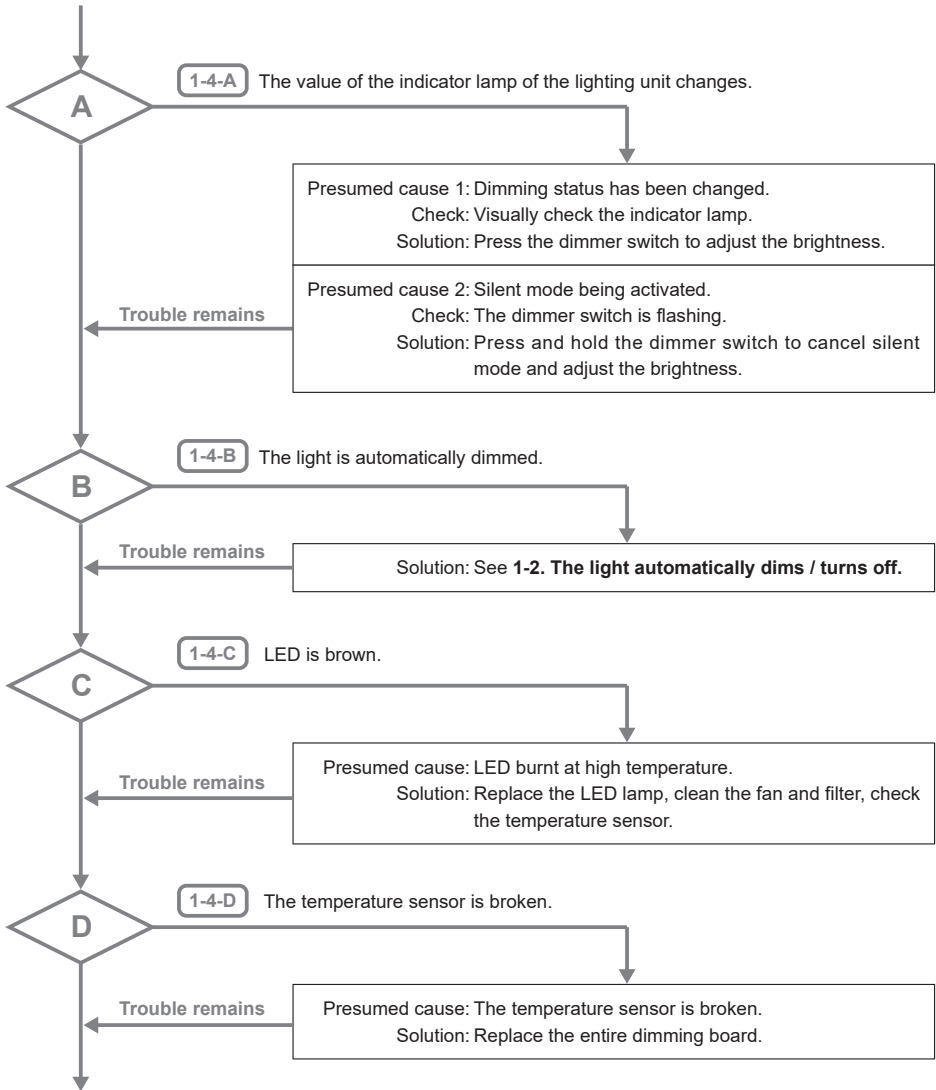


Contact your dealer or LIGHT BOY EUROPE.

1-3. Dimming does not work.(half / whole)

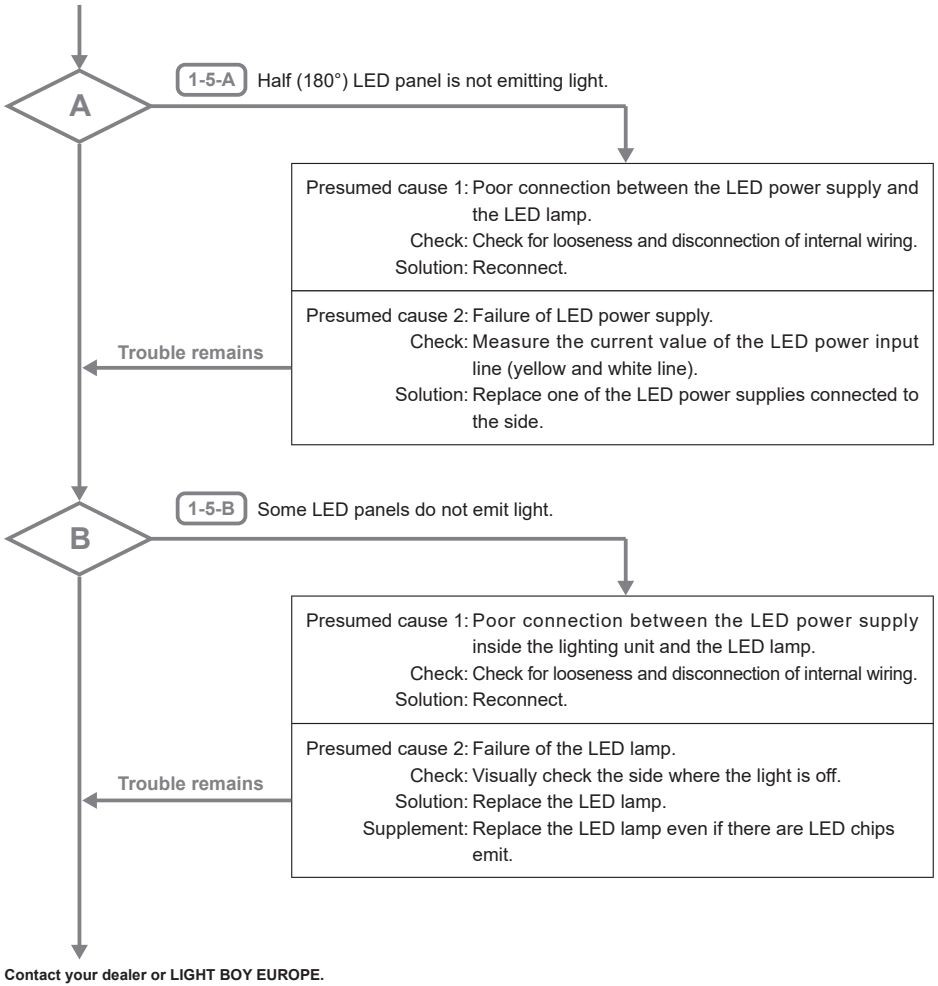


1-4.It lights up but is not so bright.

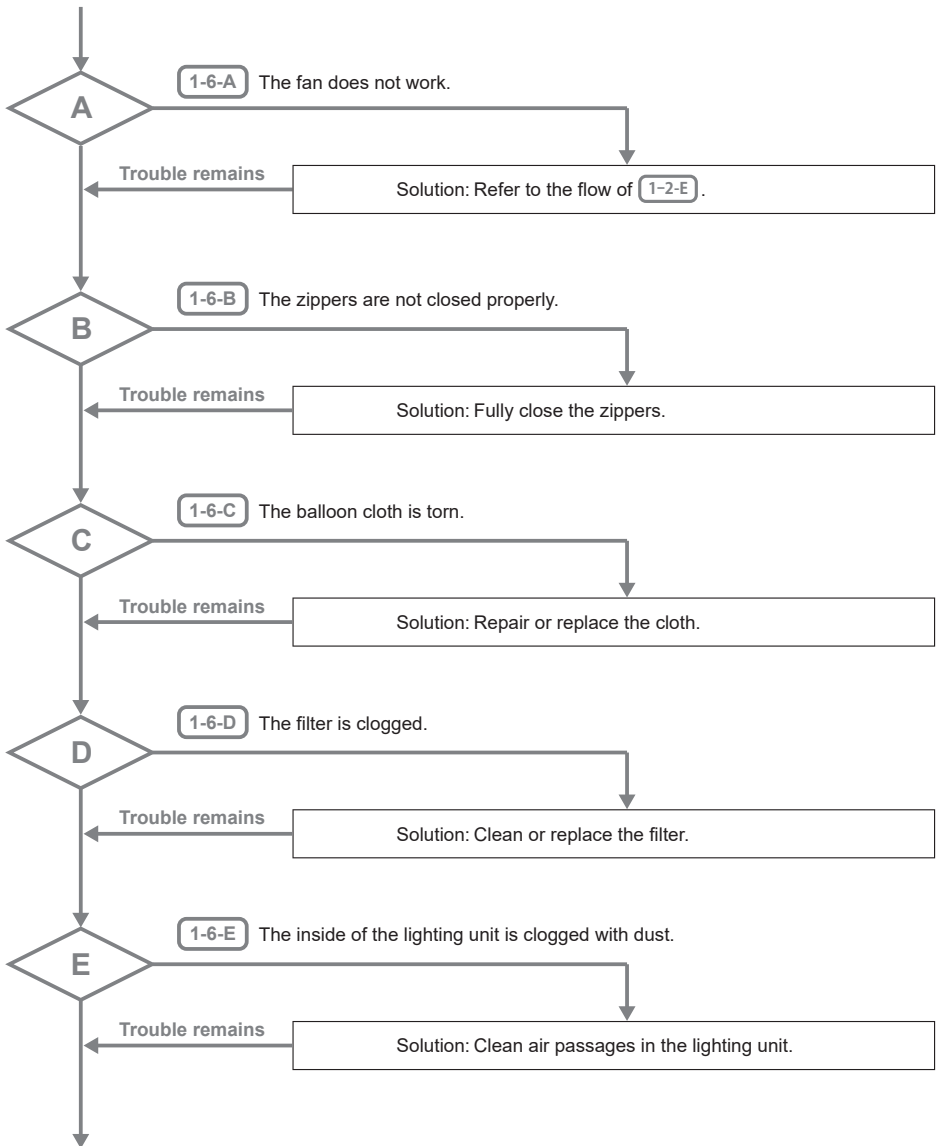


Contact your dealer or LIGHT BOY EUROPE.

1-5. Some LEDs do not light up.



1-6. The balloon is not fully inflated.



Contact your dealer or LIGHT BOY EUROPE.

Mast

Precheck

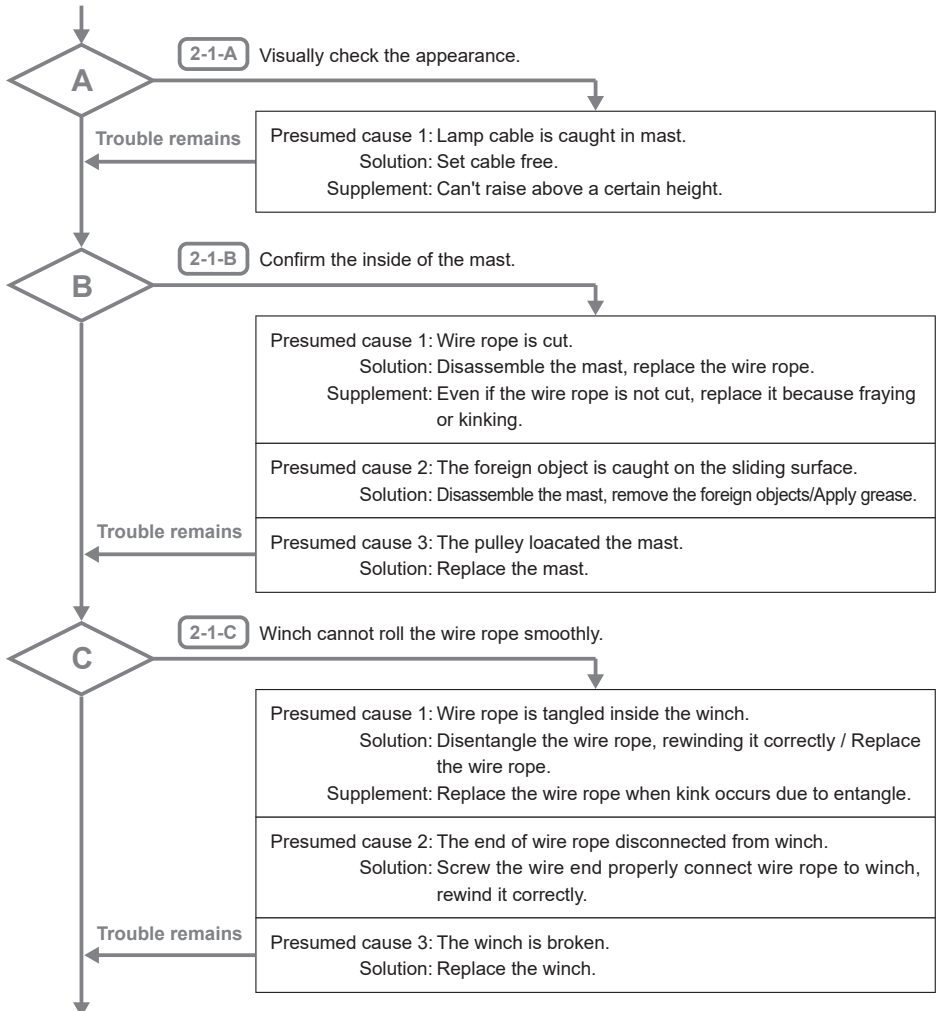
- The direction to turn the winch handle is correct.

Attention of the operation

- Please ensure that there are no overhead objects when operating the mast.
- At the time of lifting the mast, please be careful not to pinch your fingers by the mast.
- Always apply the brake, deploy the outriggers, and chock the tires.

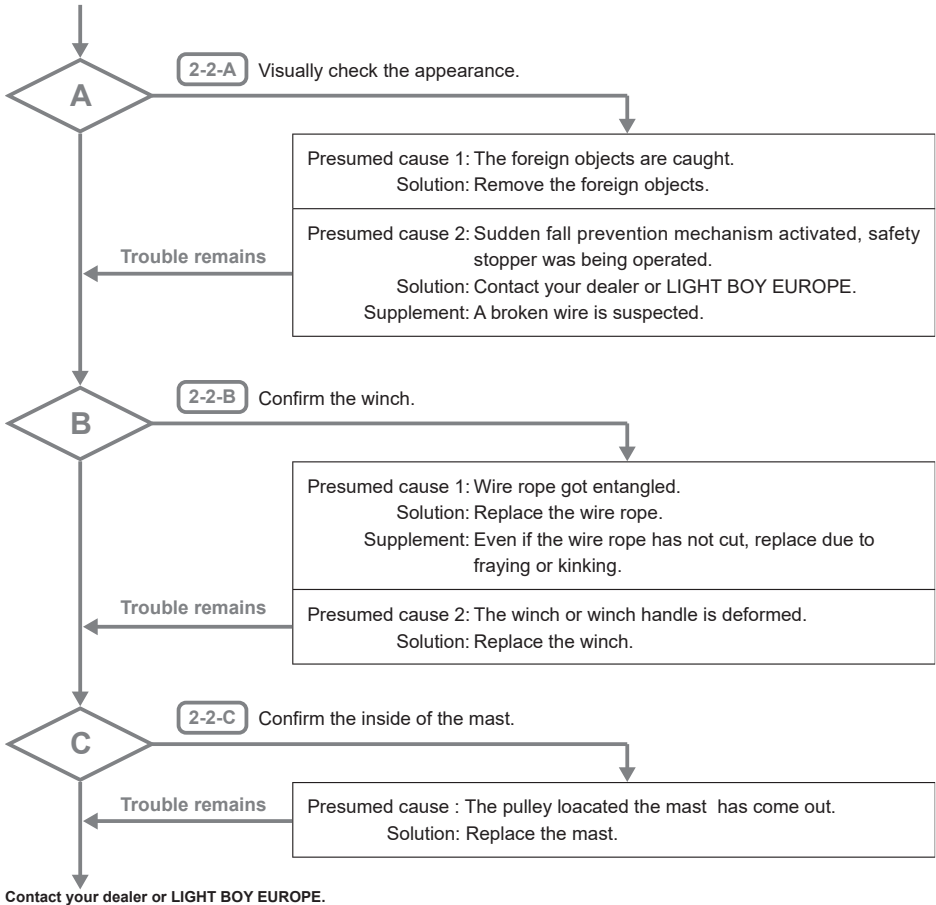
2-1. The mast cannot be raised.
2-2. The mast cannot be lowered.
2-3. Mast keeps coming down.

2-1. The mast cannot be raised.

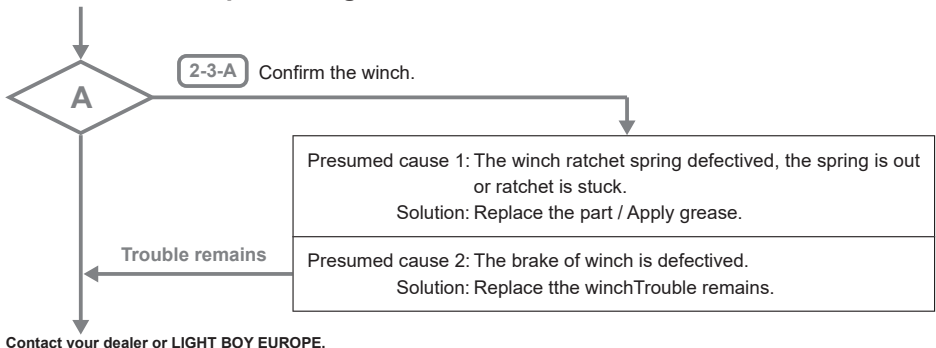


Contact your dealer or LIGHT BOY EUROPE.

2-2. The mast cannot be lowered.



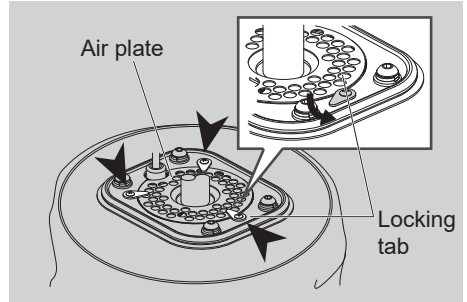
2-3. The mast keeps coming down.



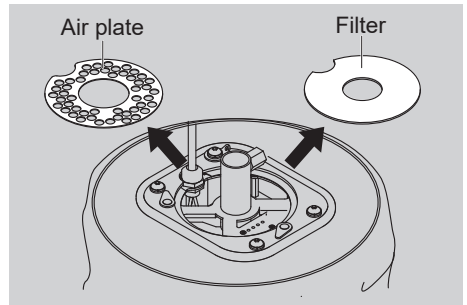
■ How to clean up the filter

Removing the filter

1. Turn the balloon light assembly upside down to access the filter. Turn the three locking tabs outwards to release the air plate.



2. Remove air plate and filter.



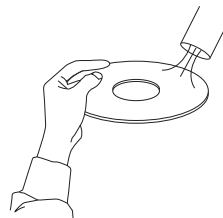
◎When installing, take opposite steps of removing the filter.

Easy Cleaning

- Use hands



- Use vacume cleaner



Washing

- Please use a mild detergent when washing.
- Please use a washing net when using a washing machine.
- Please dry it thoroughly before installing it.
→If you installed without drying it thoroughly, the absorption would be insufficient.
(It may freeze during winter.)

◎Please replace it when the tar adheres.

Specifications

Model		B8CS-CE	
Lighting system	AC	Voltage (V)	AC230
		Frequency (Hz)	50 / 60
		Wattage (W)	860
		Power Factor	>= 0.96
	Lamp	Type	LED / Balloon
		(W) x (Light Fixture)	800 x 1
		Dimming (W)	800 / 600 / 400
		Total Luminous Flux (lm) *	110000 / 90000 / 67000
	Mast	Type	Telescopic system 3 stages
		Operating	Manual winch
	Cart	Tires	300mm external diameter pneumatic tire
		Tire inflation pressure (kPa)	245-294 (35.5-42.6 PSI)
		Brake	Stepping brakes type
		Outrigger	Rearward deployment type
	Outside Temperature (°C)		-10 to 40
	Plug type		CEE 7 / 7
	Dimension	Working (LxWxH)(mm)	1550 x 1600 x 2340 - 4440
		Storage (LxWxH)(mm)	1040 x 800 x 1780
	Maximum Projected Area (m ²)		1.16
	Mass	Balloon (kg)	10.8
Cart (kg)		105.2	
Total mass (kg)		116	
Required Generator Capacity (kVA)		0.9 or more	

* Maximum value. LED chips differ from one case to the next on the production process, they have their own brightness and color temperature.

- All features and specifications are subject to change without notice.
- There are cases where the actual item and figure in the text are different.
- May not light up due to a problem of matching the generator.

		Model	B8CS-A-CE	
Lighting system	AC	Voltage (V)	AC230	
		Frequency (Hz)	50 / 60	
		Wattage (W)	860	
		Power Factor	>= 0.96	
	Lamp	Type	LED / Balloon	
		(W) x (Light Fixture)	800 x 1	
		Dimming (W)	800 / 600 / 400	
		Total Luminous Flux (lm) *1	110000 / 90000 / 67000	
	Mast	Type	Telescopic system 3 stages	
		Operating	Manual winch	
	Cart	Tires	300mm external diameter pneumatic tire	
		Tire inflation pressure (kPa)	245-294 (35.5-42.6 PSI)	
		Brake	Stepping brakes type	
		Outrigger	Rearward deployment type	
	Outside Temperature (°C)		-10 to 40	
	Plug type		CEE 7 / 7	
	Dimension	Working (LxWxH)(mm)	1550 x 1600 x 2340 - 4440	
		Storage (LxWxH)(mm)	1040 x 800 x 1780	
	Maximum Projected Area (m ²)		1.57	
	Mass	Balloon	10.8	
		Cart	105.2	
Total mass (kg)		116		
Generator	Model	HONDA EU30is *2		
	Dry Mass(kg)	61.2		
Total mass (kg)		177.2		

*1 Maximum value. LED chips differ from one case to the next on the production process, they have their own brightness and color temperature.

*2 Please refer to the specifications in the generator manual for details.

- All features and specifications are subject to change without notice.
- There are cases where the actual item and figure in the text different.

Disposal

Your LIGHT BOY mobile lighting system mainly consists of metallic materials that can be re-melted in steelworks and smelting works and that is therefore almost infinite recyclable. LIGHT BOY mobile lighting system contains substances that may adversely affect the environment and human health. Proper disposal can prevent adverse effects on the environment and human health. When disposing a used product, please contact the dealer or the sales store nearby where you purchased the product. Alternatively, dispose all components according to the applicable disposal regulations.



Never throw the product in municipal waste. This symbol of the crossed out wheeled bin indicates that product (electrical and electronic equipment) should not be placed in municipal waste.



Signifies low-density polyethylene.



Signifies corrugated fiberboard.

How to Get Help

When you have questions or the lighting systems breakdown, please take note the followings, and contact the dealer or the sales store nearby.

Model and Serial number (on nameplate)

B8CS - ○ - CE - ○○○○○○

Use environment

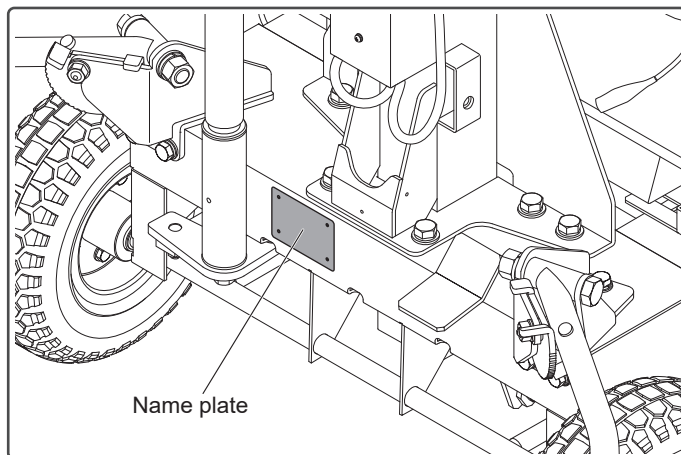
How did you use?

How long did you use?

Approx hours of use. Please verify at hour meter on the control panel.

Please describe in detail when breaking down.

The detailed situation.





Explanation of safety confirmation

Models	Manufacturing number No.
--------	-----------------------------

From the following sales presenter, I was received for an explanation safe handling and operation of this product.

Description content and points to be checked	Check <input checked="" type="checkbox"/>	Description content and points to be checked	Check <input checked="" type="checkbox"/>
Receiving the manual	<input type="checkbox"/>	Ways to operate each part of the machine	<input type="checkbox"/>
Description of caution of safety	<input type="checkbox"/>	Ways of maintenance	<input type="checkbox"/>
Description of the content on alarm display and labels location	<input type="checkbox"/>	Treatment and contact in case of trouble found	<input type="checkbox"/>
Ways of preparation for use	<input type="checkbox"/>	About warranty and guaranteed provision	<input type="checkbox"/>

Date of description	
Delivery date	

C u s t o m e r	Address	
	Company name	 ()
	name	
D e a l e r	Address	
	Store name	 ()
	Name of delivery explainer	

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