



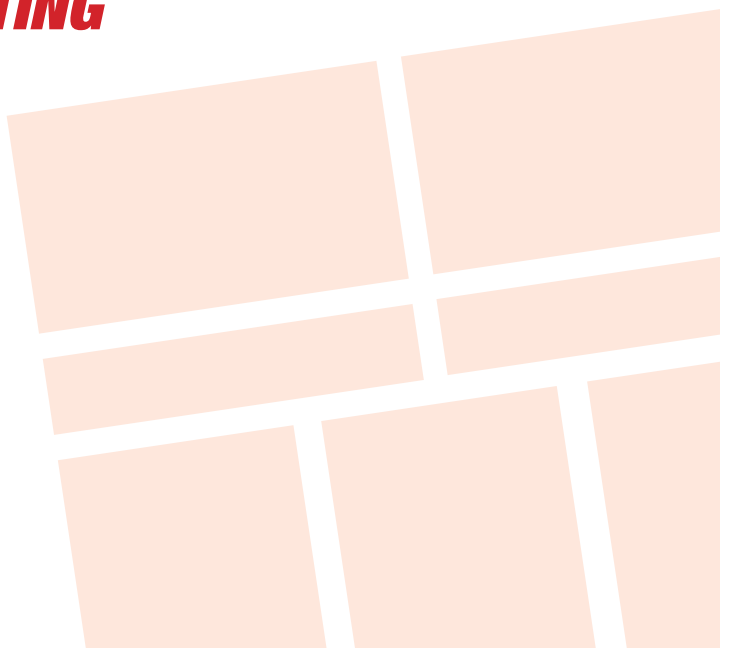
MODEL 1036-250SP
SELF PROPELLED ELEVATING
LARGE ANIMAL
NECROPSY TABLE

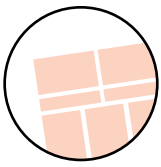
CAUTION

- Inspect unit and all components for any loosening that may have occurred during shipping •

ATTENTION

- Review entire manual before starting assembly





WARNING

Untrained operators can cause injury or be injured. Permit only trained personnel to operate the equipment.

Improper use of the equipment can cause injury. Use the equipment only for the purpose described in this manual.

Improper maintenance can cause injury. Maintain the equipment only as described in this manual.

Improper parts and service can cause injury. Use only prescribed approved parts and service.

Modifying the equipment can cause injury and damage. Use the equipment only as designed by Mortech.

BLOODBORNE DISEASE NOTICE

To reduce the risk of exposure to bloodborne diseases such as HIV-1 and hepatitis when using the equipment, follow the disinfecting and cleaning instructions in this manual.

OPERATING SKILLS AND TRAINING

SKILLS

Operators using the equipment needs

- A working knowledge of necessary procedures.
- The ability to carry out necessary service procedures.
- A complete understanding of the procedures described in this manual.

TRAINING

- Be trained on the use of the equipment.
- Read the manual
- Practice with the equipment before using it in regular service.
- Be tested on their understanding of the equipment operation.
- Record their training.

BEFORE USING THE UNIT

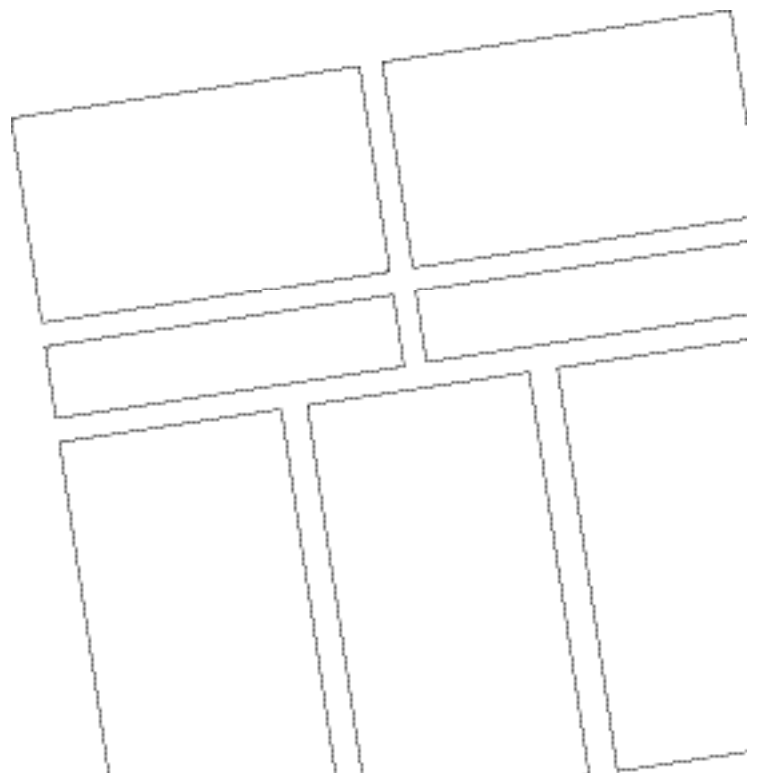
Personnel working with this unit needs to read this manual. Assemble of the unit following instructions, and perform any pre-service checks to confirm the units operates properly.

INSPECTING THE UNIT BEFORE USE

- Are all components present?
- Do the moving parts operate smoothly?
- Is unit draining properly?
- Are plumbing features operating properly?
- Are all nuts, bolts, and pins secured in place?
If unit has an issue contact customer relations.

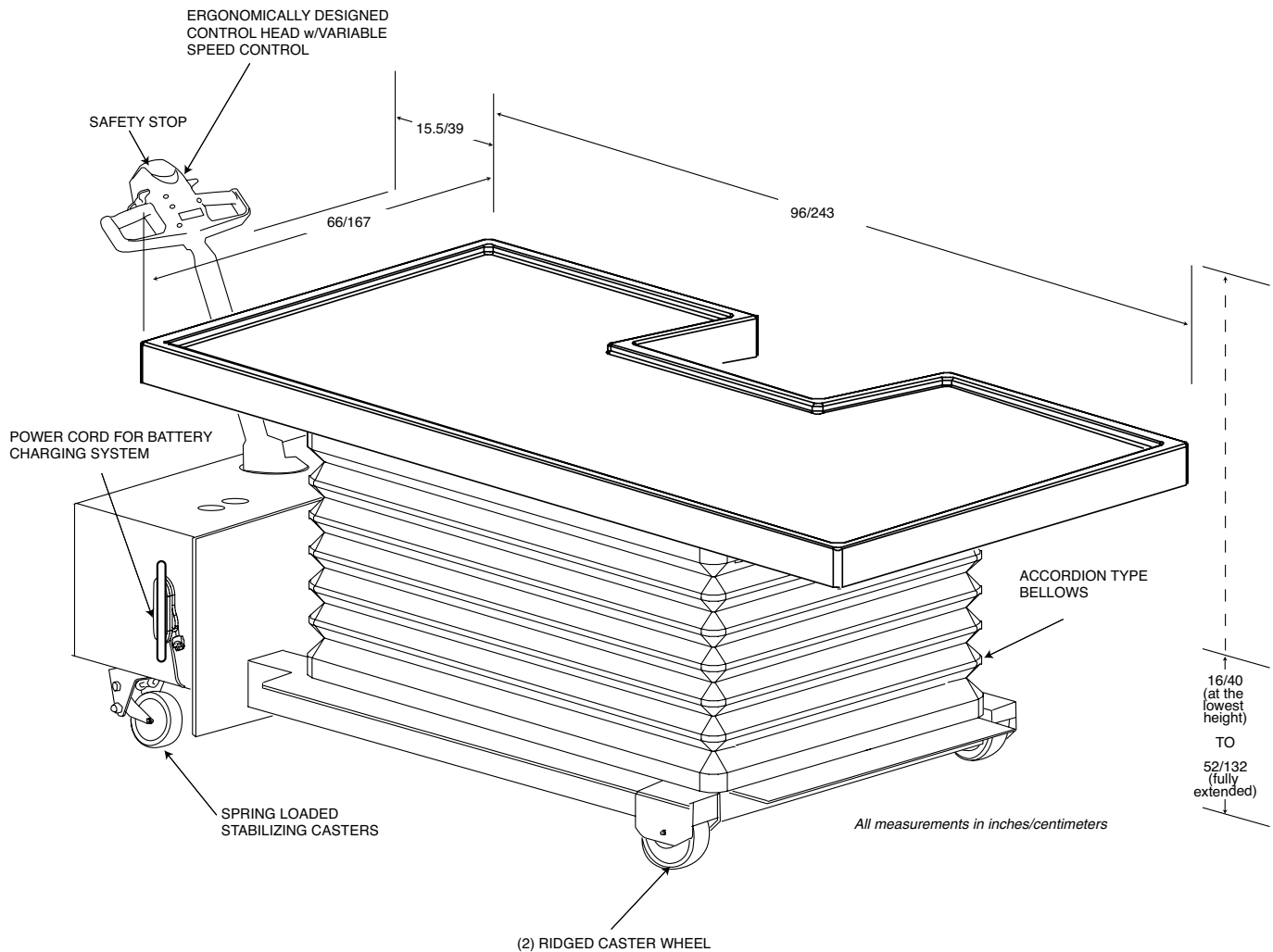
GENERAL GUIDELINE

Follow standard service procedures when working with the unit.



1036-250SP Self Propelled Elevating Large Animal Necropsy Table

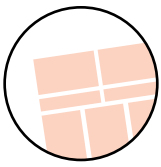
Parts listing



Standard Design Features

- Table is designed for use as a large animal necropsy table. It features all heavy gauge stainless steel construction
- The unit is designed to handle a centralized load up to 5,000 lbs./2267 kg. and an offset load up to 2,500 lbs./1113 kg.
- The inner frame support is fabricated from heavy gauge stainless steel tubing
- The unit elevates from 14 to 50 in./35 to 127 cm. above the finished floor
- The table top and inner frame support are attached to an electrically powered hydraulic scissor lift. The lift has a capacity up to 6,000 lbs./2721 kg. (115v/60 Hz/1 Phase - 1.5 hp motor)
- Accordion style bellows surround the scissor lift
- Easy to use up/down elevation control
- 24 volt system
- Variable speed control - forward/reverse
- Built in 24 volt charger
- Butterfly switches for forward and reverse
- Push buttons for raising and lowering of forks
- Built in horn
- Electro-mechanical brake system
- 180 degree turning radius
- D/C battery 24 volt
- Spring loaded stabilizing casters





Parts listing

**1036-250SP Self Propelled Elevating
Large Animal Necropsy Table**

**1036-250SP
RAISED**



**1036-250SP
LOWERED**



1036-250SP Self Propelled Elevating Large Animal Necropsy Table

INTRODUCTION

This manual attempts to provide all of the information necessary for safe and proper installation, operation and maintenance of the 1036-250SP.

The lift has a name plate, which provides the load capacity, serial number and date of manufacturing. Please refer to these numbers when ordering parts or requesting information.

SAFETY

The 1036-250SP is a very powerful lifts capable of doing large amounts of work. Do not install or operate this lift without carefully reading this manual.

- **All personnel must stand clear of the machine when the Lift Assembly is in motion.**
- **Do not work under Lift without securing the lift.**
- **Do not put hands or feet under Lift.**
- **Do not stand, sit or climb on the Lift.**
- **Do not use on soft, uneven or unstable surfaces.**
- **Do not exceed load capacity.**

Your lift is equipped with a Velocity Fuse, which will lock up once the flow exceeds 7GPM. This will prevent the load from crashing down in case of a hose or fittings failure.

INSPECTION

Upon receipt of the lift inspect the equipment completely to determine if there is any shipment damage and the lift is complete. Do not use the lift if there appears to be any damage.

With the lift in down position check the following:

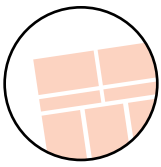
- (1) Signs of damage, especially to the battery or power pack
- (2) Check all fasteners for tightness
- (3) Check for oil leaks
- (4) Check for any bent or damaged metal parts



1036-250SP SINK

Can be placed as a part of the table.
Sizes can be for customers request.

SINK DRAIN HOSE
Ships loose, attach and
cut to desired length.

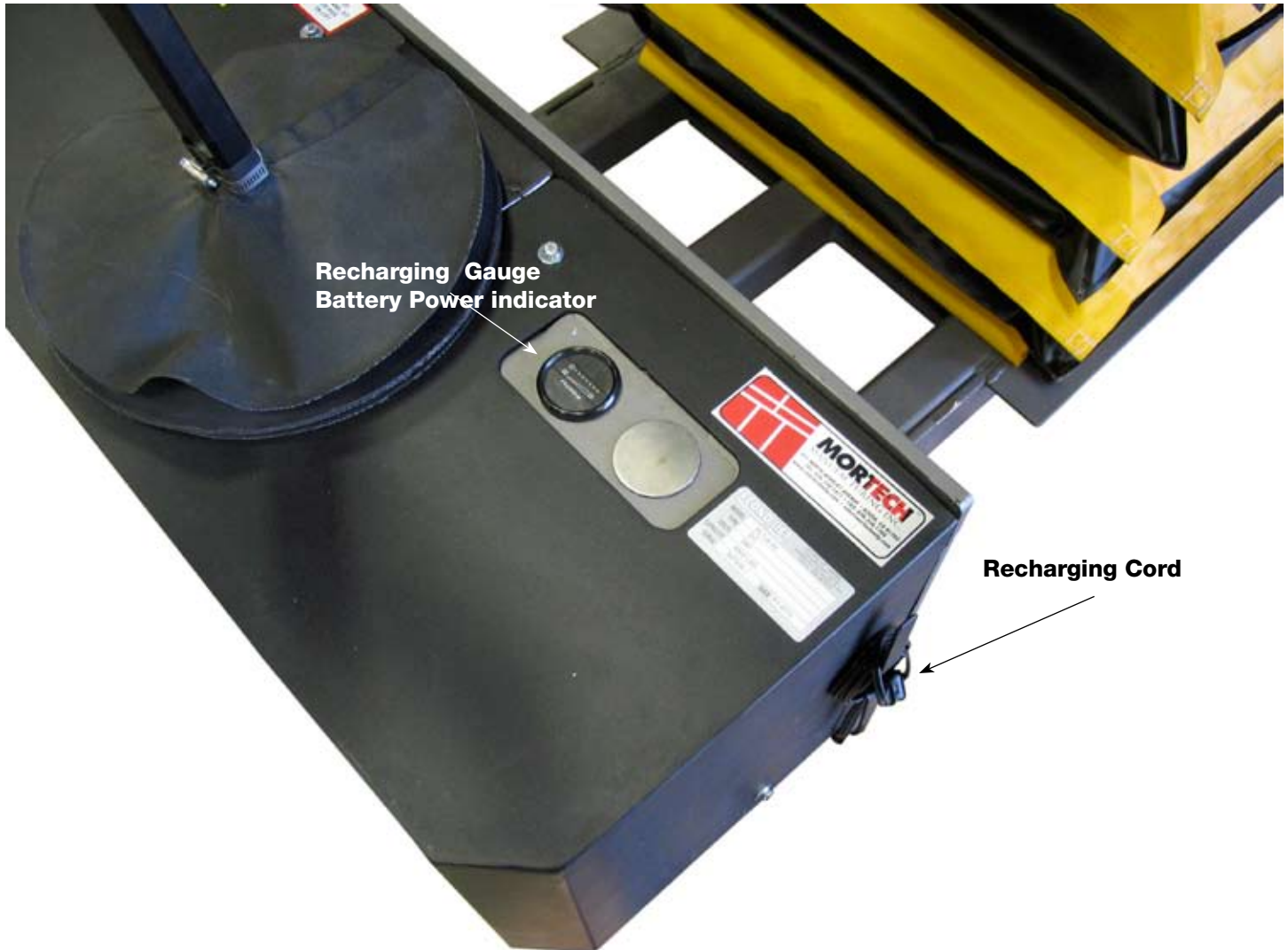


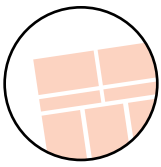
1036-250SP HANDLE OPERATION



**1036-250SP Self Propelled Elevating
Large Animal Necropsy Table**

1036-250SP RECHARGING





1036-250SP ELEVATION CONTROL



Testing the lift with no load

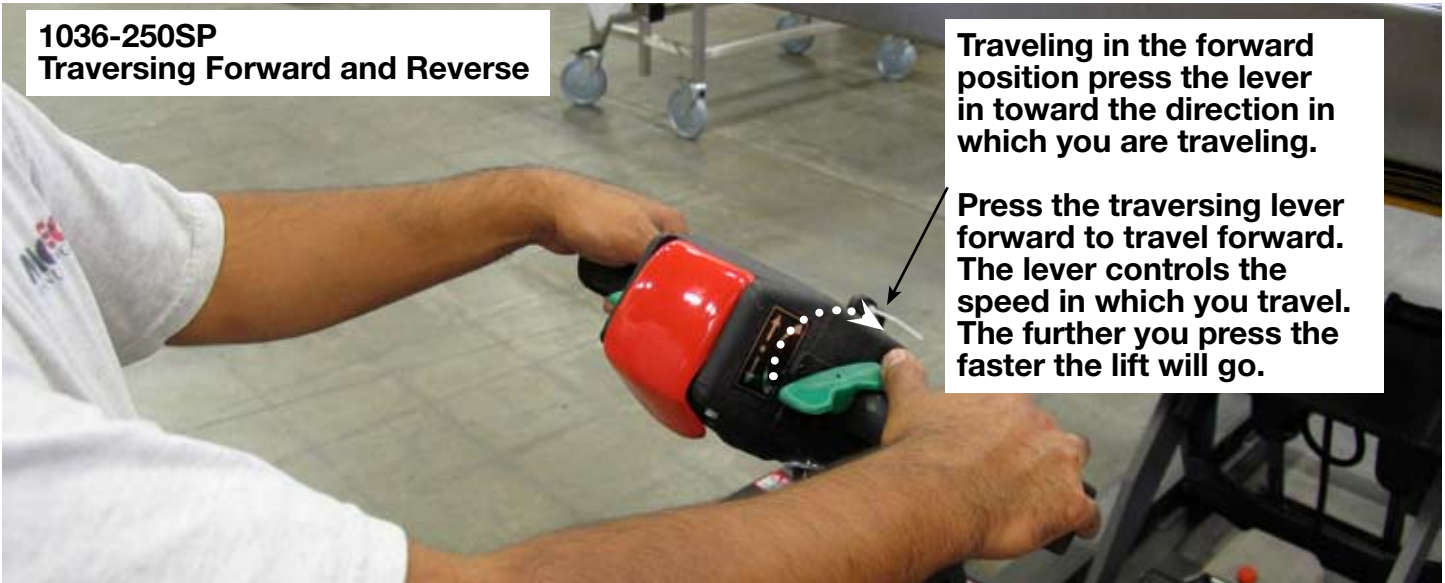
(1) Before testing the lift, clear the area of any loose material. Be sure the lift has no obstructions. Using the joystick, pushing it to "up" briefly operate the lift. If the lift begins to raise with a humming sound and functions properly, continue to the full up position.

If the lift does not raise, or there are any operational problems, stop immediately. Before continuing, refer to the troubleshooting section and correct the problem.

(2) After raising the lift completely, lower the lift. It should move slowly and smoothly. If the lift operates properly, raise and lower the lift forks and stop at different levels to get a good perspective on the lift operations and movements

1036-250SP Self Propelled Elevating Large Animal Necropsy Table

1036-250SP
Traversing Forward and Reverse



Traveling in the forward position press the lever in toward the direction in which you are traveling.

Press the traversing lever forward to travel forward. The lever controls the speed in which you travel. The further you press the faster the lift will go.



Press the traversing lever downward (as shown) to travel in reverse.



Emergency Stop

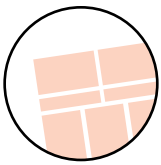
Emergency Stop
When the red emergency stop is depressed the lift will stop and reverse to avoid injury.

OPERATION

Method of operation

The lift's standard controls (Remote push button control is optional). Pushing it to the "UP" position starts the motor, which in turn drives the hydraulic gear pump. Hydraulic fluid is pumped from the oil reservoir into the hydraulic cylinder. The cylinder begins to extend and the Forks start to raise. The Forks will raise as long as the joystick is pushed. On releasing the control, the motor will stop, the Forks will cease to raise, and remain at that particular elevation. On depressing the joystick to the "down" position, the down valve is opened and the weight of the Fork Assembly will retract the cylinder and oil will return to the reservoir.





Parts listing

1036-250SP Self Propelled Elevating Large Animal Necropsy Table

Do not maintain the joystick in the “up” position if the lift does not move, or has reached its up limit. This may cause damage to the hydraulic system.

Operating Procedures

In order to operate the lift follow these operating procedures:

- 1) Read and understand all the instructions before operating.
- 2) Load the lift correctly. Refer to attached name plate for load capacity information.

- a) Do not exceed the maximum rated load.
- b) Place load in the centre of the forks and against the back plate. Make sure, it is balanced.
- c) If the load is unstable or may become unstable, reposition it.

3) Operate the lift.

- a) To raise the lift, activate the joystick to the “up” position. Hold the control until the Lift reaches its desired extension. The joystick is spring loaded and will return to centre (closed) when the lever is released.

- b) To lower the lift, activate the joystick to the down position. Hold the control until the Lift descends to the desired height, or the Forks reach its fully lowered position.

4) Stand clear of the Lift when operating it, in order to avoid injury.

Do not stand, sit or climb onto the Lift. If the Lift fails to move or exhibits strange movement or sound, stop immediately. Do not operate the Lift until it has been checked and repaired.

MAINTENANCE

Generally the lift will require little maintenance. However routine maintenance and inspection will minimise costly repairs and hazardous conditions.

Routine Inspection And Maintenance

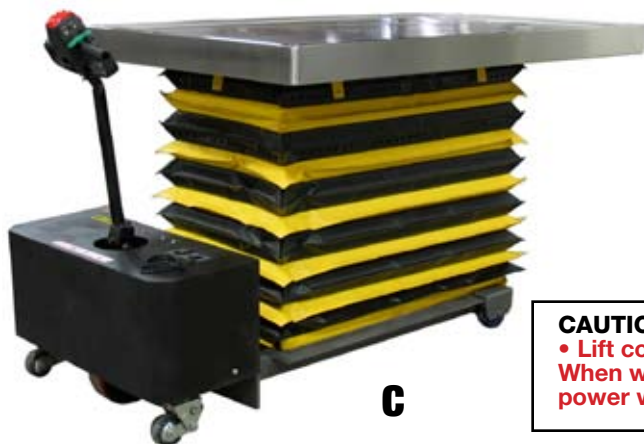
Routine inspection should be performed on a weekly basis.

- 1) With the Lift unloaded and in its fully raised position, check the hydraulic system for leaks. Check all fittings, lines and components for tightness, If a leak exists, repair immediately.
- 2) Check hydraulic cylinder for leaks. Red ATF fluid will be visible in the clear anti leak line connecting the top port of the cylinder to the pump reservoir if the cylinders main seal leaks.
- 3) Check front rollers and casters for signs of wear. Replace, if damaged or worn.
- 5) Tighten all visible nuts and bolts.
- 4) Make sure, pivot pins and cylinder pins are secure. Great damage and injury can occur if they come loose.
- 5) Bearings on all lifts are permanently lubricated and do not require servicing.

Yearly Maintenance

Oil in reservoir should be changed at least once a year, or sooner if the oil becomes dark or gritty. Use “DEXRON III” Automatic Transmission Fluid, or equivalent.

1036-250SP BELLOW REMOVAL

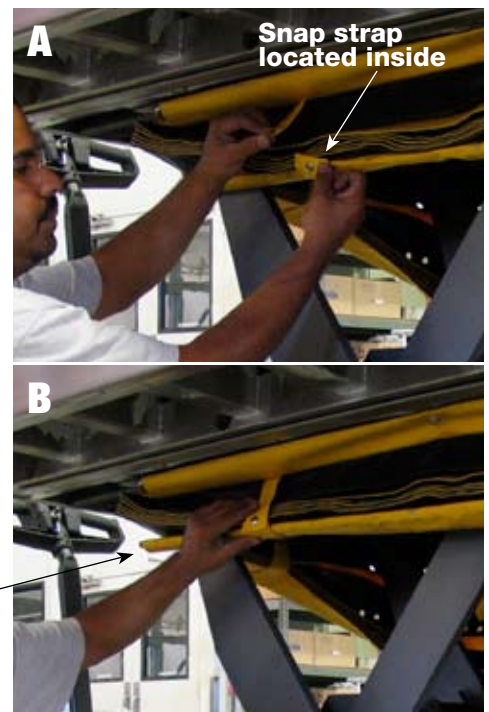


CAUTION

- Lift covers are not watertight.
- When washing the lift do not use power washers to spray •

Raising the Bellows-Applies to the 1036-250SP

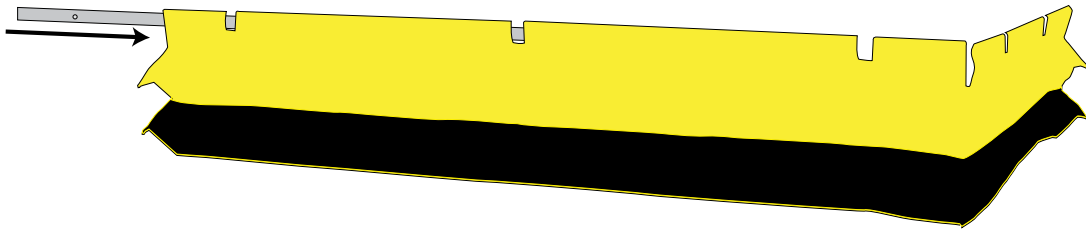
- You can access the scissor lift beneath the bellow by lifting the bellows upwards toward the table top (A).
- While you are lifting beware of the metal bars at the bottom of the bellow (B-Counter weight).
- Located inside and toward the top of the bellows is one (1) snap strap. After lifting the bellow strap, bring the tow snap straps together and secure. Continue until you have secured all four sides.
- When all the sides are secure the lift will appear as the picture above. When released the lift will appear as (C).



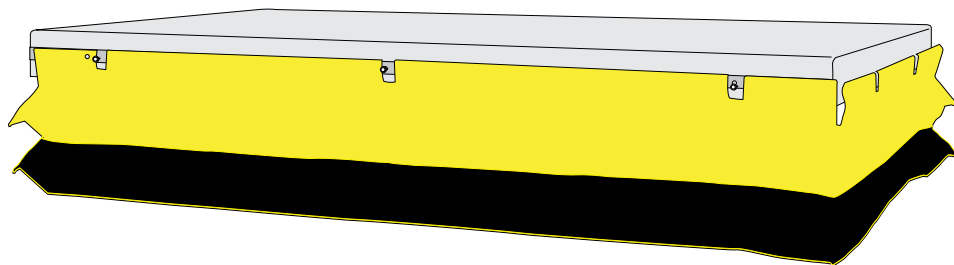
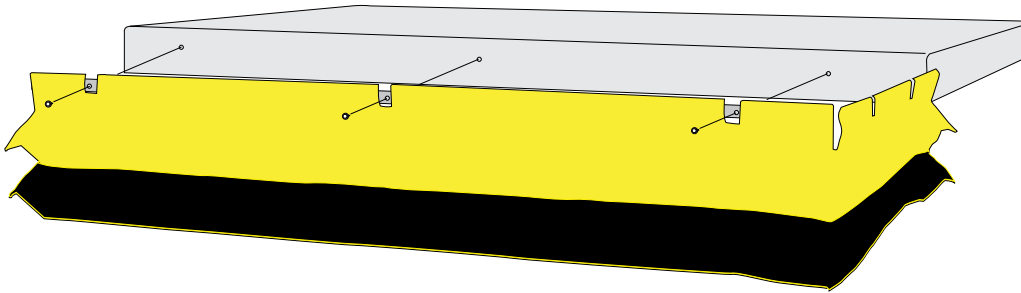
**1036-250SP Self Propelled Elevating
Large Animal Necropsy Table**

ATTACHING THE BELLOWS

1. SLIDE SUPPORT BAR INTO THE TOP OPENING OF THE BELLOWS.



2. BRING THE BELLOWS TO THE TOP FRAME AND SECURE.



ATTACHING THE WEIGHT SUPPORT FOR THE BELLOWS

SLIDE SUPPORT BAR INTO THE BOTTOM OPENING OF THE BELLOWS.



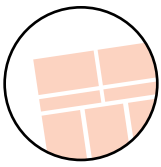
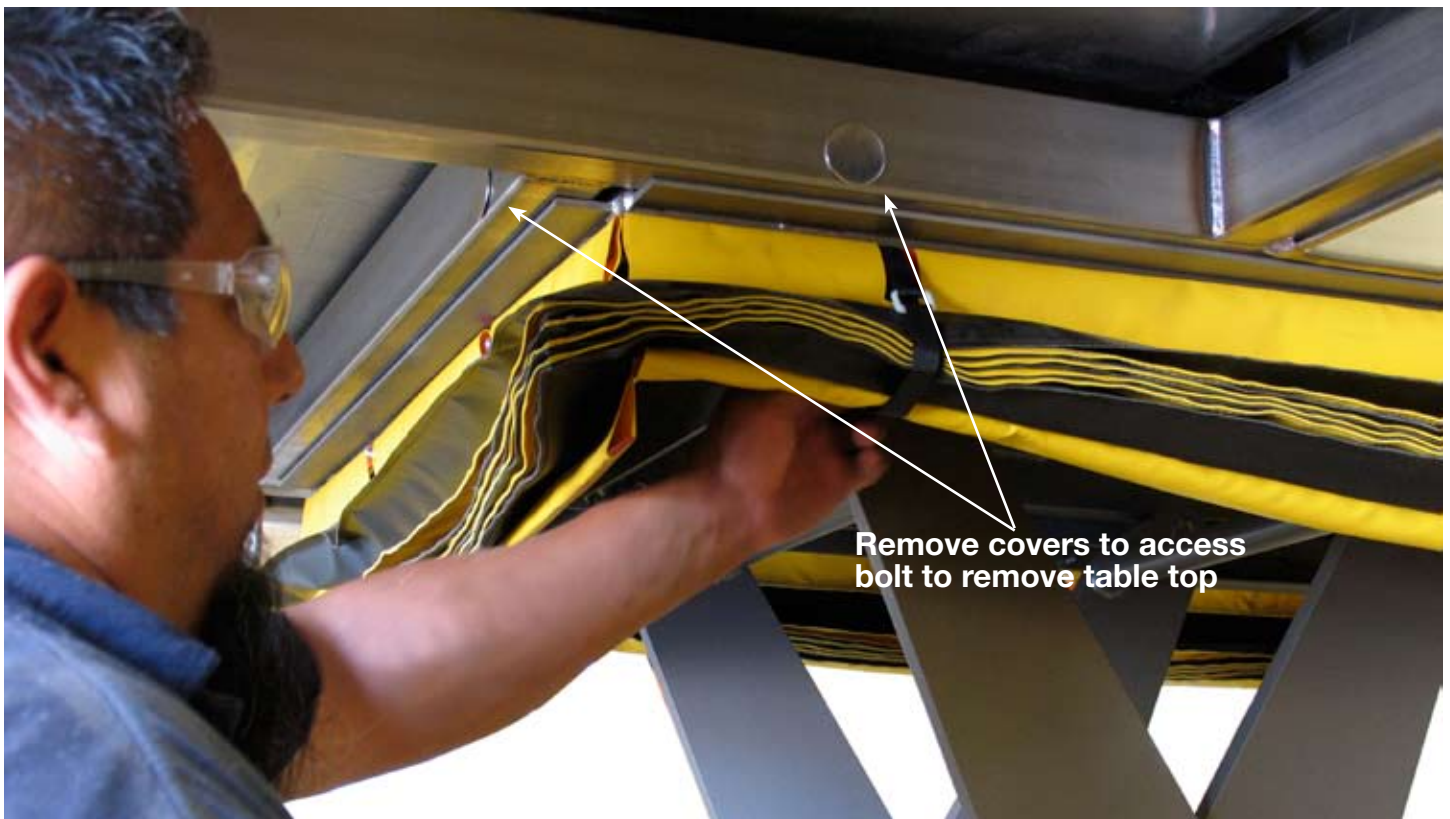
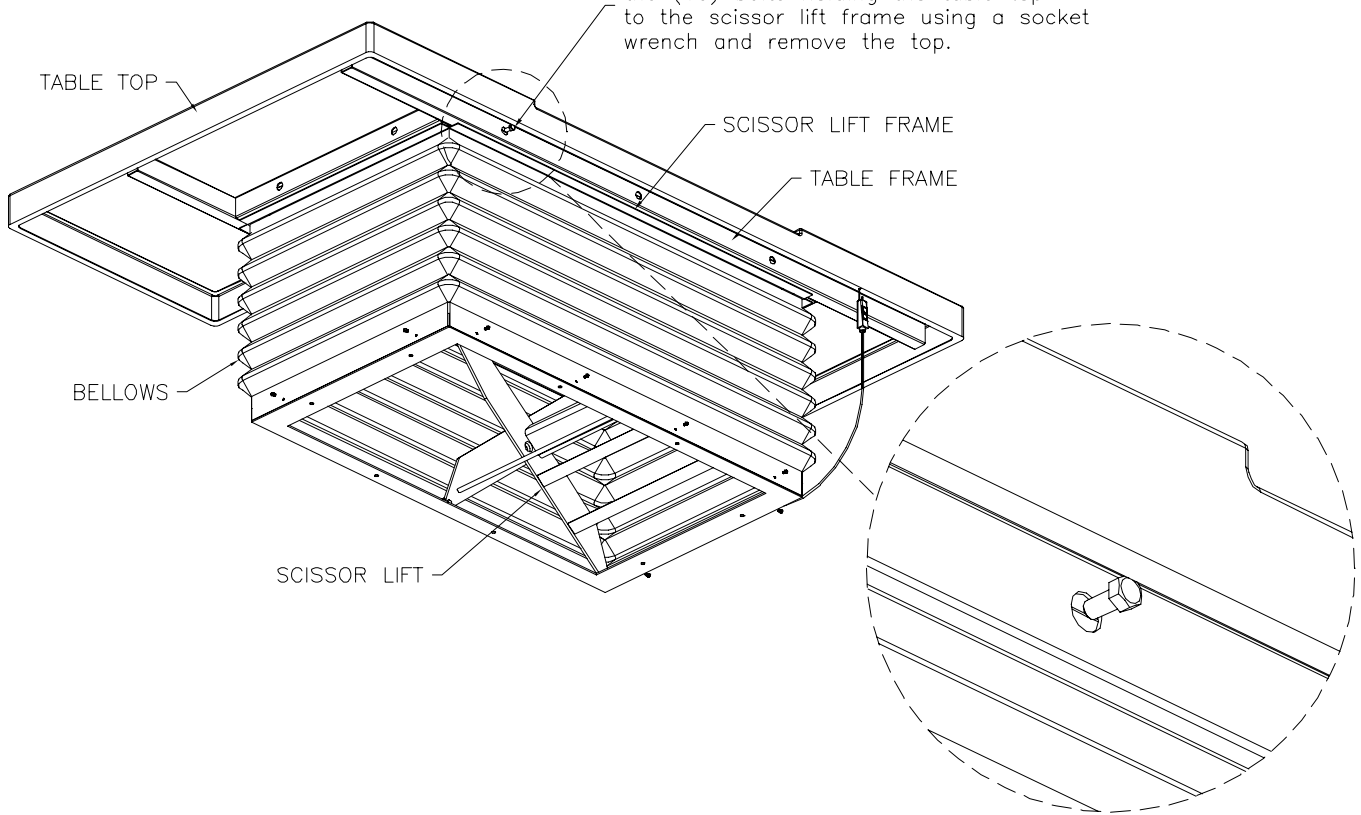


Table Attachment/Removal

From underneath the table, remove the (10) bolts holding the table top to the scissor lift frame using a socket wrench and remove the top.



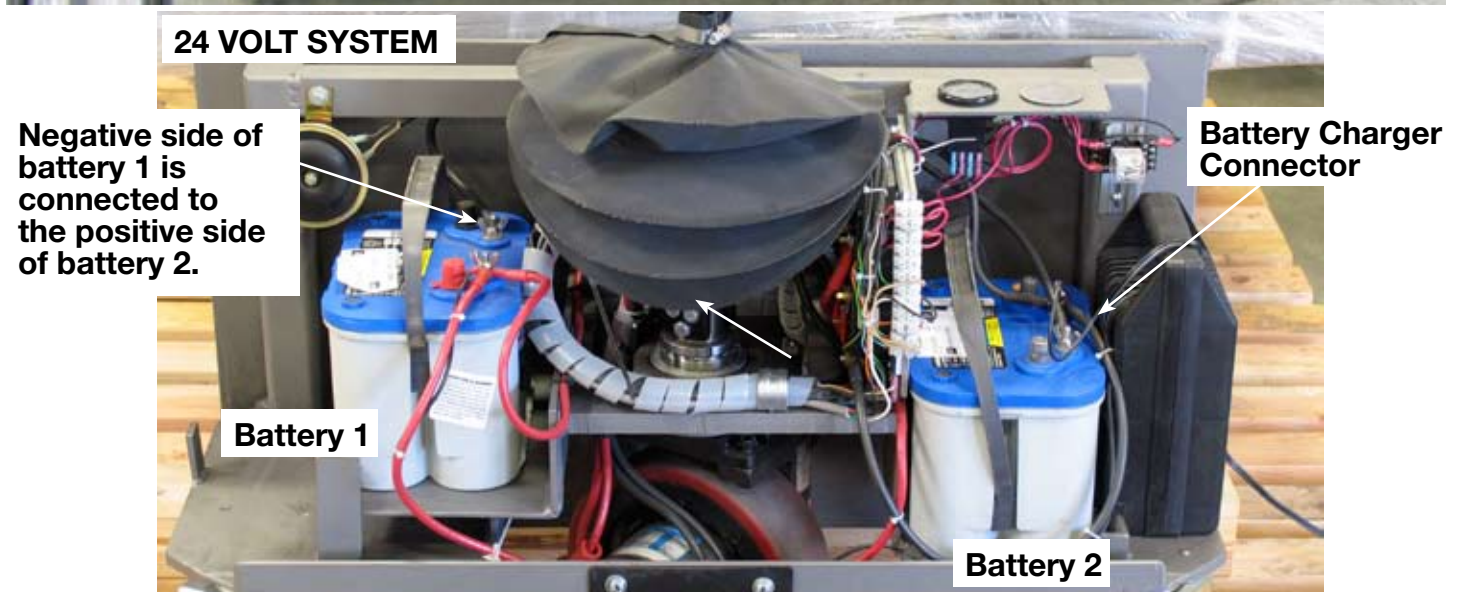
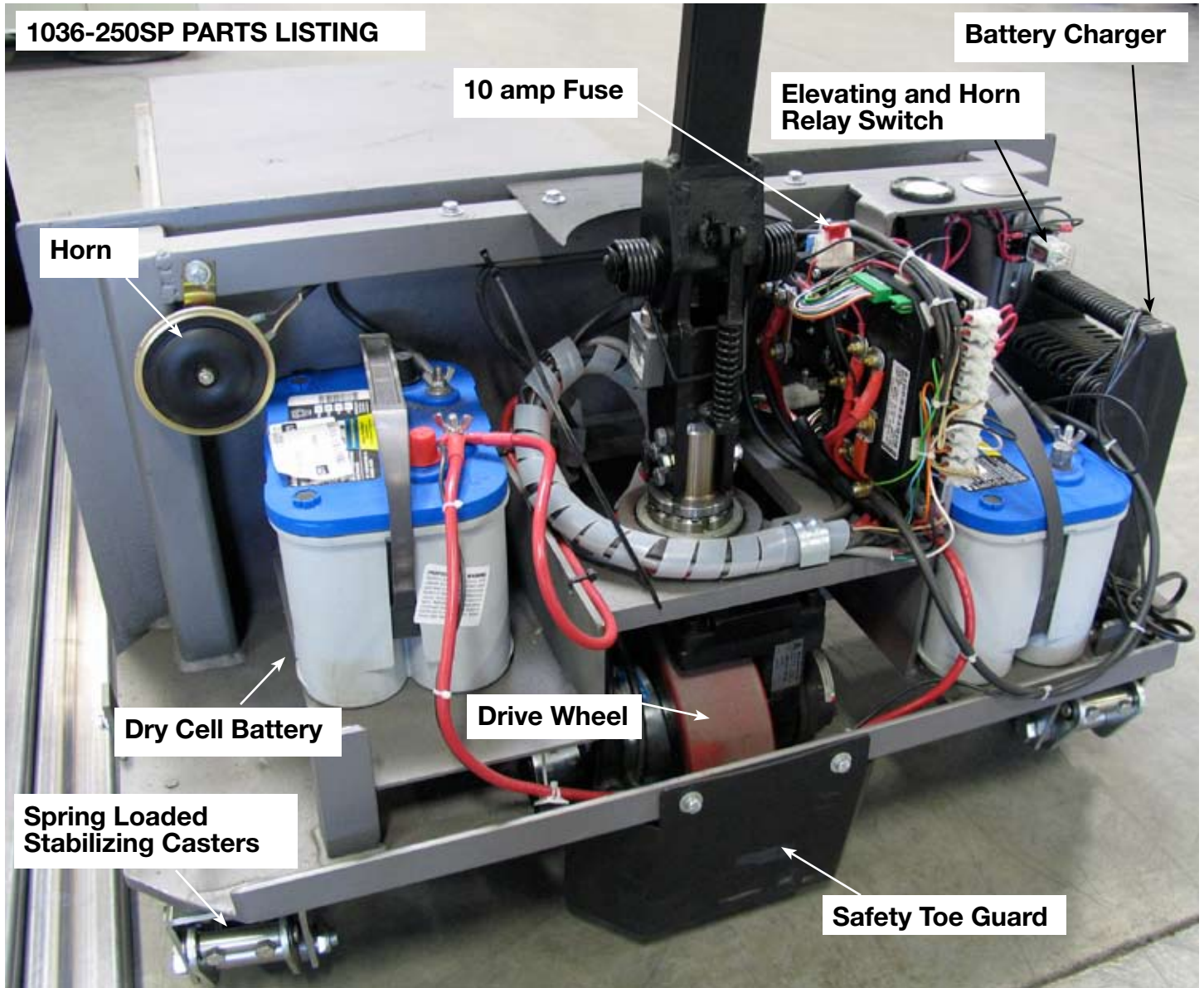
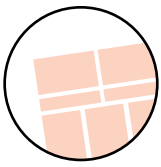
**1036-250SP Self Propelled Elevating
Large Animal Necropsy Table**

Parts listing

TYPICAL TABLE ASSEMBLY

Stainless Steel Dissecting Table





Large Animal Necropsy Table

Troubleshooting Maintenance

Lift moving slowly or not at all

- 1) Check for obstructions.
- 2) Check if battery is properly charged.
- 3) Check cylinder for leaks.
- 4) Is lift overloaded? Check capacity.
- 5) Check joystick for sticking or jamming.
- 6) Check canister switch repair or replace.

Lift is stuck in up position.

Velocity fuse might be locked up.

Close flow control valve almost completely. Press joystick to the "UP" position momentarily and then gently press joystick "DOWN", the velocity fuse should release with an audible click, letting the lift go down. If this fails, unscrew the velocity fuse from the cylinder. "CAUTION" lift must be blocked mechanically from coming down.

Lift raise then lower slowly

- 1) Check valve may be stuck open. If so, remove and clean.
- 2) Check for leaking hoses, fittings or cylinder.
- 3) Down valve may be stuck open due to dirt. Remove it, and clean.

Lift do not raise to full extension.

Check oil level in the reservoir. Hydraulic oil should be topped up when the lift is in the down position. Oil is added through the breather filler cap.

Check cylinder stroke, it might be restricted.

Lift lowers too slow, or too fast.

Adjust flow control (if equipped) which is located where the hydraulic hose is connected to the power pack. Clockwise for making it go down slower, counter clockwise for speeding it up.

D. Charging

Your lift is equipped with a deep cycle battery, which has to be charged properly, and with great caution. If you purchased your charger with the Lift you are using a fully automatic 10 amp model. Your charger comes with three LED lights, which continuously monitor the state of charge in the battery. As the battery reaches full charge, the yellow and green lights will flash alternately, keeping the battery at its peak capacity.

Red Light:

Indicates that charger is properly connected to 120 V power supply.

Yellow Light:

Indicates correct polarity and combined with red light indicates charger is charging.

Green Light:

Indicates a full charge. Green and yellow will flash alternately when battery has reached full charge.

Caution:

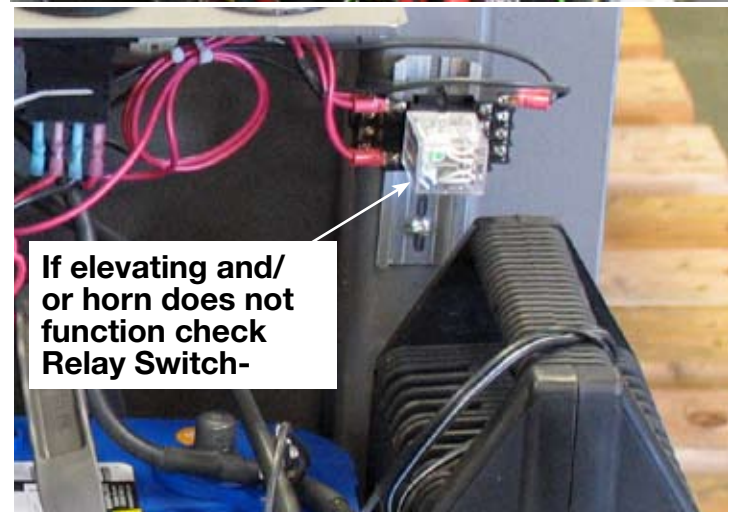
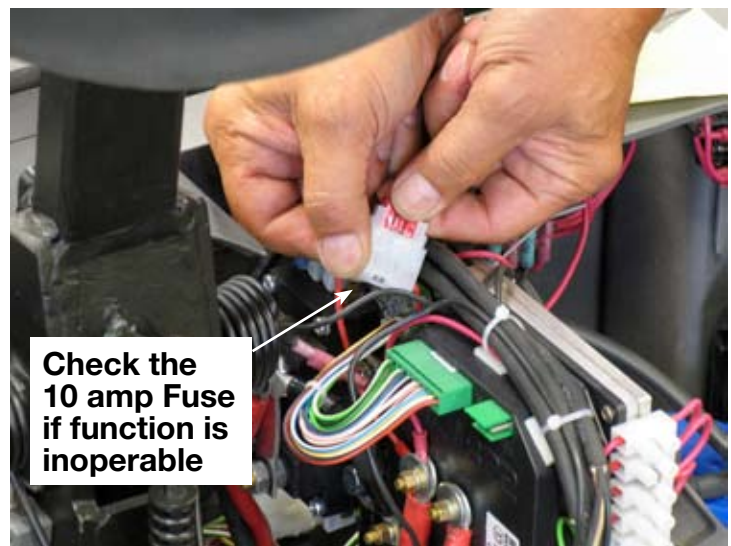
Do not overcharge battery. Your Lift is equipped with a deep cycle battery, which should be about 75% discharged before recharging.

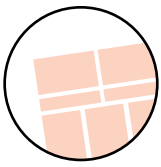
When charging battery, locate in dry, well ventilated area. An extension cord should not be used unless absolutely necessary.

Never smoke or allow spark or flame in the vicinity of battery. Do not operate Lift while charger is plugged in.

When the battery reaches full charge (maximum 15 hours) the green light will go on and the charger's output will be shut off. Automatic chargers will not turn on unless:

- a) The charger is plugged in
- b) The charger is attached to a battery.
- c) The polarity is correct
- d) Battery has between 3 & 4 volts output. A voltage reading less than this normally indicates a defective battery and attempting to charge it, can be dangerous.





MAINTENANCE INSTRUCTIONS MAINTENANCE SCHEDULE

The unit requires regular maintenance and follow the manufactures directions.

DISINFECTING AND CLEANING

Clean all surfaces of the stainless steel with a hard surface disinfectant/cleaner such as Sheila Shine® or SaniZene®. Follow instructions on container.

DISINFECTING AND CLEANING COMPONENTS AND ACCESSORIES

Hand wash with disinfecting soap and warm water. Rinse well with clear water and dry with a towel. (Clean on a regular basis to prolong work life).

WARNING

Improper maintenance can cause injury. Maintain only as prescribed in this manual.

Overall, it is very simple to maintain. If you use for its intended purpose, it will provide many years of reliable service.

CARE OF STAINLESS STEEL

Stainless steel products have a directional #4 brushed finish. This finish is produced using a very fine abrasive cloth. Dragging heavy equipment across the stainless steel surfaces will cause noticeable scratching. Pitting/corrosion can occur when carbon steel products are allowed to remain in contact with the stainless steel in the presence of moisture. (Examples- Steel Wool pads left in the bottom of the sink). Stainless steel can be damaged by exposure to acids.

TYPES OF SURFACE CONTAMINANTS

Dirt - Consist of accumulated dust and a variety of contaminates. Warm water with or without a gentle detergent is sufficient. Next in order are mild non-abrasive powders such as typical household cleaners. These can be used with warm water, bristle brushes, sponges, or cleaning cloths. (Do not use carbon steel brushes or steel wool they may leave particles embedded on the surface which can lead to RUSTING.) For more aggressive cleaning, a small amount of vinegar can be added to the scouring powder. When water contains mineral solids, which leave water spots, it is advisable to wipe the surface completely with dry towels.

Fingerprints and Stains - Fingerprints and mild stains resulting from normal use are the most common surface contaminates. This affect the appearance and seldom have an effect on corrosion resistance. They can be removed with a glass cleaner or by gentle rubbing with a paste of soda ash (sodium carbonate) and water applied with a soft rag. Followed by a thorough warm water rinse and towel dry.

Shop Oil and Grease - These soils may be corrosive and may not allow the surface to maintain passivity, and so removal is a necessity. Soap or detergent and water may be used or a combination of detergent and water plus a solvent.

TYPES OF CLEANERS AND METHODS

General Precautions

Avoid using abrasive cleaners unless absolutely necessary. A "soft abrasive," such as pumice, should be used. Many cleaners contain corrosive ingredients, rinse with clean water.

Clean Water and Wipe - A soft cloth and clean warm water should always be the first choice for mild stains, loose dirt and soils. A final rinse with clean water and a dry wipe will eliminate the possibility of water stains.

Solvent Cleaning - Organic solvents can be used to remove fresh fingerprints, oils and greases that have not had time to oxidize or decompose. The preferred solvent is one that does not contain chlorine, such as acetone, methyl alcohol, and mineral spirits.

EFFECTIVE CLEANING METHODS

Commercial Cleaners - Many commercial cleaners compounded from phosphates, synthetic detergents, and alkalis are available for the cleaning of severely soiled or stained stainless surfaces. When used with a variety of cleaning methods, these cleaners can safely provide effective cleaning.

SCRATCH REPAIR

Surface scratches can be repaired using the following technique. Depending on the severity of the scratch, it may be possible to completely remove it. Sand the scratch using 120 grit emery cloth or paper and firm pressure. Always sand in the direction of the grain. Avoid the natural tendency to sand in an arc, instead sand in a perfectly straight line. Sand until the scratch is gone.

Polish using 3M Scotch Brite pads - Very Fine Grade. Use the same motions as with sanding. Polish until the original finish is restored. Wash and wipe the surface completely with dry towels.

RUST REMOVAL

Rust can be repaired using the following technique. Sand the scratch using 120 grit emery cloth or paper and firm pressure. Always sand in the direction of the grain. Avoid the natural tendency to sand in an arc, instead sand in a perfectly straight line. Sand until the rust is gone.

Polish using 3M Scotch Brite pads - Very Fine Grade. Use the same motions as with sanding. Polish until the original finish is restored. Wash and wipe the surface completely with dry towels.

1036-250SP Self Propelled Elevating Large Animal Necropsy Table

WARRANTY

Mortech Manufacturing warrants all fabrications to be free of defects due to its own workmanship and materials.

Repair and/or replacement of materials furnished that may develop such defects, will be warranted for a period of one year from the date of shipment.

Items not manufactured by Mortech Manufacturing will receive the manufacturer's warranty.

PARTS AND SERVICE

Customer relations and product support are important aspects of Mortech Manufacturing. For assistance with this or any of our fine products please contact us below:

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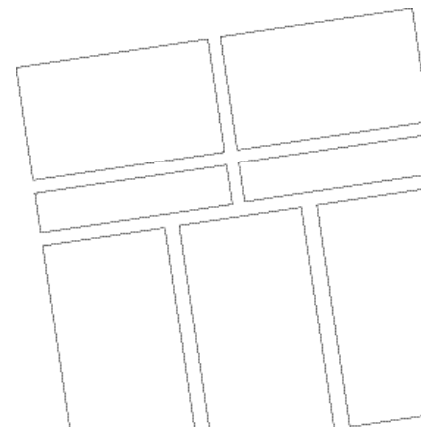
DISCLAIMER

This manual contains general instructions for the use, operation, and care of this product. The instructions are not all inclusive. Safe and proper use of this product is solely at the discretion of the user. Safety information is included as a service to the user. All other safety measures taken by the user should be within and under consideration of applicable regulations. It is recommended that training on the proper use of this product be provided before using this product in and actual situation.

Retain this manual for future reference. Include it with the product in the event of transfer to new users. Additional free copies are available upon request from Customer Relations.

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CAUTION

- **Inspect unit and all components for any loosening that may have occurred during shipping** •

