

Versa Lift TM

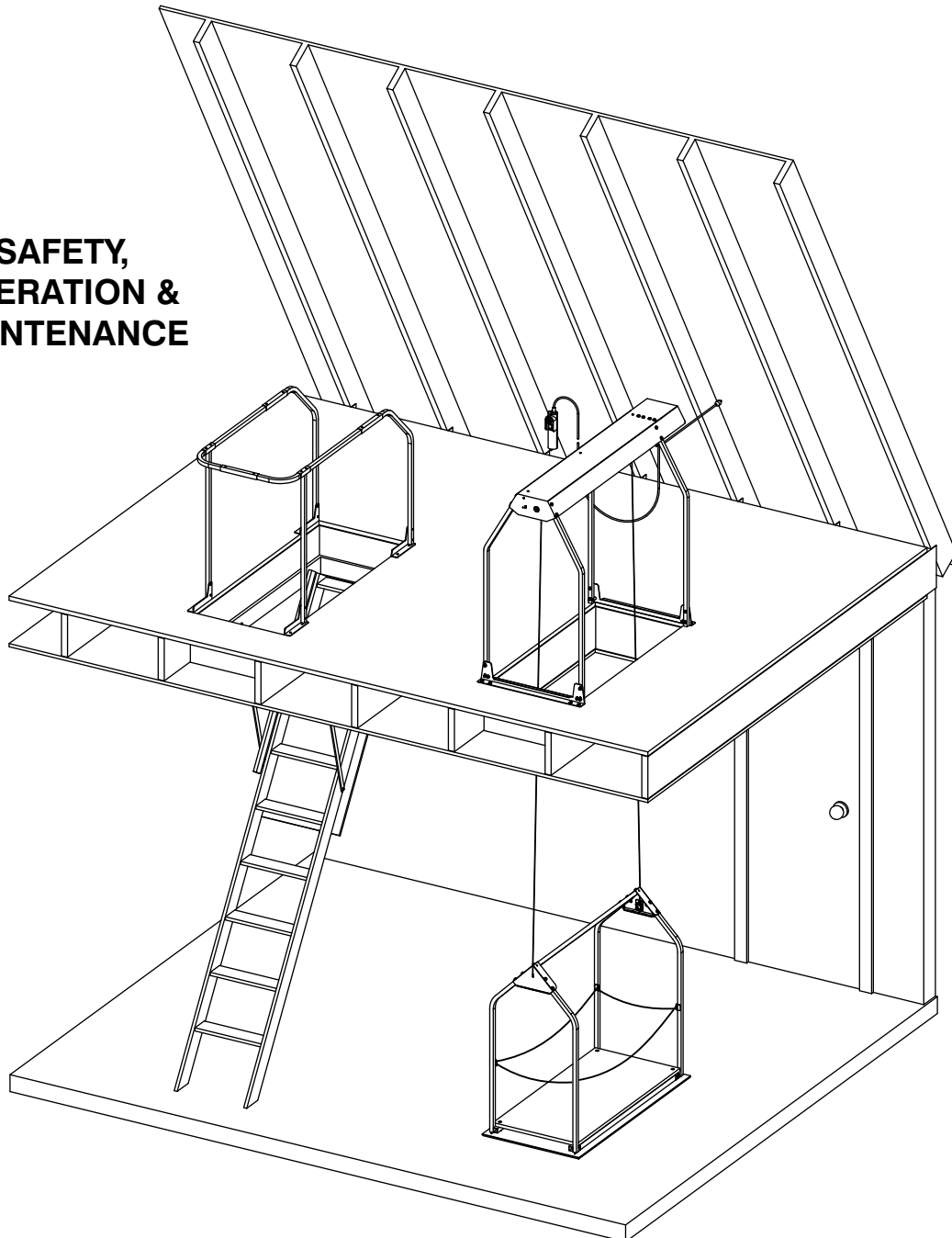
Attic Storage Lifting System

OWNERS MANUAL

All Models 24: Standard and Wireless

All Models 32: Standard and Wireless

**SAFETY,
OPERATION &
MAINTENANCE**



SAFETY GUIDELINES - DEFINITIONS:

It is important to read and understand this manual. The information it contains relates to protecting *your safety* and *preventing problems*. The symbols below are used to help you recognize safety information.

⚠ DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

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

⚠ CAUTION Indicates a potentially hazardous situation which, if not avoided, will result in minor or moderate injury.

⚠ DANGER NEVER ALLOW PERSONS ON OR IN THE LIFT! NEVER SIT OR STAND ON THE LIFTING PLATFORM! ABSOLUTELY NO RIDERS! No person under 18 years of age should be allowed to operate this product. Children should be kept away from the lift when it is in operation. When not in use, lock the remote control and remove the key and store it where children cannot get it! This product can cause serious injury or death to a child who attempts to ride the lift or to lift others! When not in use, ALWAYS raise the lifting platform to the highest position and unplug the power cord to lift, lock the remote and store the key!

⚠ WARNING WHEN WORKING IN THE ATTIC, STAY ON DECKED AREAS. If you must enter non-decked areas, stay on joists. The materials between the joists will not support your weight and will collapse if you stand or sit on them. Be alert to overhead hazards, such as exposed nails. Be aware of and avoid openings, such as the ladder opening or the lift opening when you are working or moving around in the attic.

⚠ WARNING DO NOT WORK ALONE IN A HOT ATTIC or if you have any health condition that could affect your balance, your mobility, or cause you to lose consciousness. If you have any diminished capacity, always work with another person in case you should need help. Don't work in the attic in the heat of the day. You can quickly be overcome by heat exhaustion in a hot attic in just a matter of minutes. Morning hours are the coolest time to work in the attic.

⚠ WARNING DO NOT OPERATE THIS EQUIPMENT IN DAMP, WET OR POORLY LIGHTED LOCATIONS or attic spaces and don't expose it to rain. Do not use this equipment in the presence of flammable gases or liquids. Keep the work area clear of obstacles, cluttered areas invite injuries. Use only correctly grounded power outlets or extension cords. Never operate equipment without grounding!

IMPORTANT: ALL OPERATORS MUST READ AND UNDERSTAND THIS OWNERS MANUAL COMPLETELY BEFORE OPERATING THIS EQUIPMENT. SAVE THIS MANUAL AND REFER TO IT OFTEN TO REDUCE THE RISK OF INJURY OR ACCIDENTS.

⚠ DANGER NEVER STORE FLAMMABLE LIQUIDS IN YOUR ATTIC, such as gasoline, paint thinner, aerosol cans, or other solvent or fuel containing products, tools, or devices. Attic temperatures can cause containers to rupture and explosive fumes can reach ignition sources.

⚠ WARNING FALLING HAZARD: The ladder opening and lift opening present falling hazards to any person who enters the attic. When you are in the attic space, be alert at all times to these openings. *We highly recommend you install a safety railing around your ladder opening, such as the Versa Rail by BPG* (see Fig. 0).*

⚠ WARNING If you install this lift product inside the living space of a home, or in a closet, or a walk-in attic accessible to children, then you must also install the Auto-Shutter* from BPG that automatically closes the lift opening as the platform goes down to help prevent children, pets, etc. from falling through the opening (the Auto-Shutter is not illustrated in this manual).

*For information on the Versa-Rail, Auto-Shutter, and other Versa Lift accessories visit www.bpghome.com or call BPG.

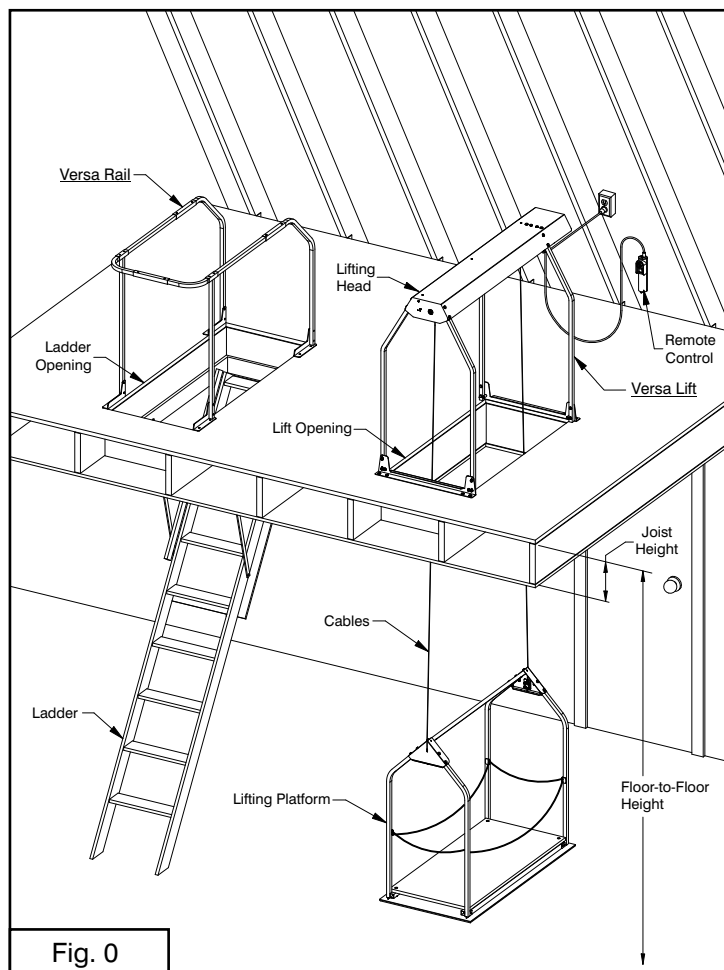


Fig. 0

VERSA LIFT OPERATOR SAFETY RULES:

1. Never allow children or adolescents to operate the Versa Lift. No one under 18 years of age should be allowed to operate this equipment.

2. To avoid accidents and injury all operators must first read and understand this manual. It is unsafe for any person, regardless of age or experience, to operate this equipment without first learning the safety rules.

3. Protect children and visitors, their safety is your responsibility. Keep children out of the attic. Keep children and unfamiliar persons away from the lift during operation. When not in use, **unplug** the Versa Lift, **lock the remote** in the OFF position and **remove the key**. Store the key in a safe place away from the lift and out of reach of children.

4. Instruct children of the dangers of unauthorized use. This equipment is powerful and could cause severe injury or death if used by anyone but responsible adults!

5. Keep children out of the attic. The attic is extremely dangerous for small children, even when adults are present! Children are unaware of the dangers and can step off decked areas or fall through openings.

6. Never allow persons on or in the lift or the lifting platform. Absolutely no riders on this equipment! Any person riding the platform is likely to become caught between the lifting platform and the ceiling opening. Riding the platform is extremely dangerous and presents the following hazards:

Falling Hazard - head injury, broken limbs, death.

Crushing Hazard - injury to head, limbs or body, death.

Amputation Hazard - body parts can be cut or torn off.

7. Stand Clear! Never stand under or below the lifting platform. Always stay clear of the lifting head, the cables, and the lifting platform when operating the lift. Stand well back to avoid accidents, like falling objects.

8. Always LOOK to make sure no one is standing below the lift before lowering lifting platform.

9. Always LOOK to make sure no one is loading or unloading the platform before raising or lowering the lifting platform.

10. Never exceed the rated lifting capacity of this equipment. Two smaller loads are safer than one large load. In general, lighter items are more appropriate for storage in the attic than heavier items.

11. Never attempt to lift or lower oversized loads that extend outside the confines of the lifting platform frame, either in length, width or height. Oversized loads can catch on the lift opening and fall off or jam the lift mechanism.

12. Always balance your loads to the center of the lifting platform. Off-center loads are unstable.

13. Never lift or lower objects that are unstable, can tip over, or roll off of the lifting platform. Place these objects inside a stable container on the lifting platform.

14. Inspect the cables before each use with the lifting platform down. Check top to bottom for any damaged, worn or frayed spots. If any are found, immediately stop using the lift until the cables have been replaced.

15. Inspect the power cord, remote cord, lifting head and platform for any damage, worn or broken parts, or loose fasteners. If any are found, repair or replace these items immediately before using the lift again.

16. Install a railing around the ladder opening. The ladder opening presents a falling hazard. A railing greatly reduces the risk of falling and makes it easier to enter or exit a steep folding ladder by providing a hand rail to hold on to. For information on BPG's Versa-Rail, visit www.bpghome.com.

17. Always keep the lifting platform in the highest (raised) position when working in the attic and also whenever the lift is not in use. When raised to the highest position, the lifting platform closes the lift opening and prevents anyone from stepping into or falling through the opening. **Note: Never stand on the Lifting Platform!**

18. Never work alone in the attic in hot weather (above 90°F) or if you have any health conditions that impair your balance, strength, or mobility. Always work with an able helper.

19. When in the attic, stay on decked areas. Walking on joists is dangerous. The material between joist will not support your weight and will collapse if stepped on.

20. When in the attic, be alert to overhead hazards, such as rafters, braces or exposed nails. Take steps to make your attic a safer place to work. Remove hazards if possible. If not, make them more visible with yellow or orange paint or apply padding in strategic places.

21. Install adequate lighting in your attic. You can improve attic safety by improving visibility with extra lighting.

22. Wear appropriate apparel when working in the attic or operating the lift. Do not wear loose clothing, ties, necklaces, etc. which can become caught in moving parts or obstructions. Contain long hair with protective hair covering. Wear secure, non-slip protective footwear.

23. Do not overload your attic floor. Please consult a professional for advice on the safe weight capacity of your particular attic floor structure. The strength of your attic floor depends on the **size** of the joist beams used in the structure versus the **span** of the joist beams. The longer the unsupported span of any given size joist beam, the lower the weight carrying capacity. Walls provide support for joist beams, so weight should be placed as close to walls as possible.

24. Keep an inventory list. It is a good practice to keep an inventory list of what you have stored in your attic. Useful information would include a description of the item (or box contents) and the approximate weight. The list will help you remember what you have stored and give the approximate total weight load in your attic.



WARNING

FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY.

Congratulations! You have purchased a quality engineered personal storage lift product designed to provide years of durable, dependable service and storage convenience.

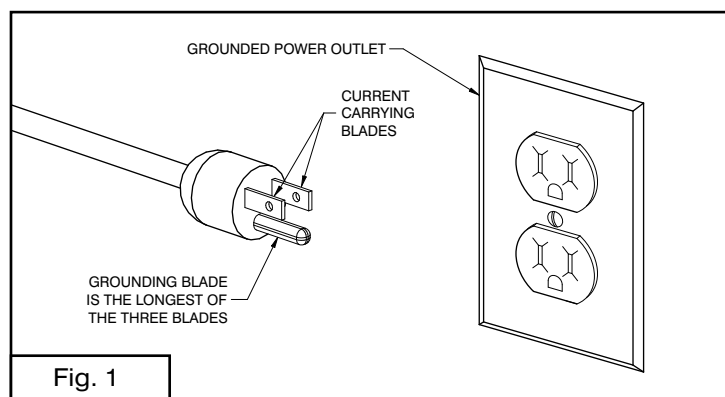
1. POWER CONNECTIONS

The Versa Lift requires a standard 110 volt AC 60 hz grounded power outlet. It is highly recommended that the outlet is on the same switched circuit as the lighting in your attic so that when the attic lights are turned off, the power to the Versa Lift is also turned off. This will be more convenient for you and will prevent unintended operation when the lift is not in use.

The power cord provided with this product has three blades. The longest (round) blade is the grounding blade (Fig. 1). The shorter (flat) blades are the current carrying blades. You will need a grounded power outlet (receptacle) as shown below (Fig. 1). If your outlet does not have a grounded receptacle for a three blade plug or if you are unsure if your outlet is correctly grounded, have a qualified electrician check the outlet (receptacle) to make sure it meets local codes. Incorrect grounding puts you at risk of electrical shock. **Never modify the equipment plug to fit a two blade outlet (receptacle)!**

If you use an extension cord, it must be a heavy duty three-wire type with a three blade grounding plug and matching grounded outlet (receptacle) like those shown in Fig. 1. and rated for at least twice the load (10 amps minimum).

WARNING: To reduce the risk of accidents, always raise the lifting platform to the highest position and either turn off the power switch or unplug the power cord when you are finished using the Versa Lift.



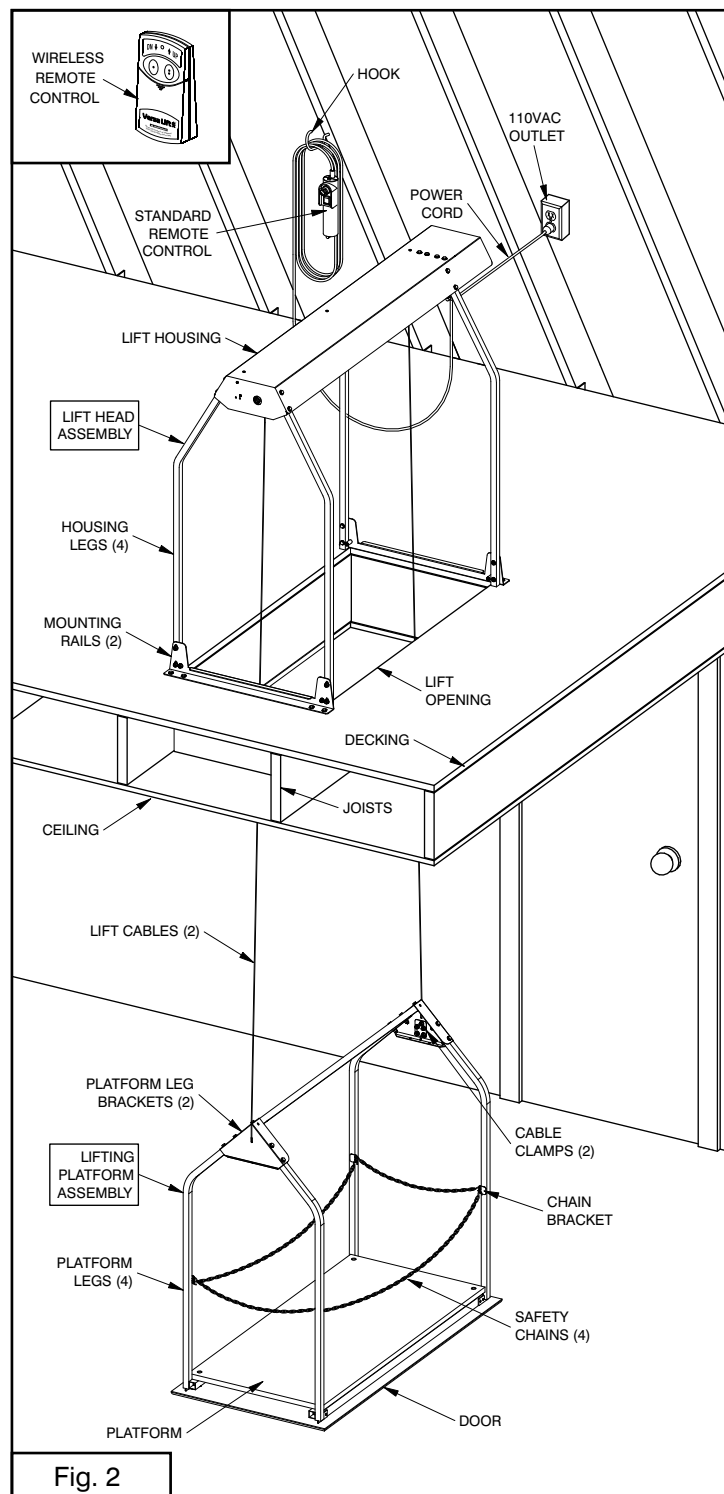
2. VERSA LIFT FEATURES OVERVIEW

The Versa Lift consists of two major components: A stationary lift head assembly and a movable lifting platform assembly (Fig. 2). The lift head assembly is mounted on an attic floor or other second story floor over a lift opening. The lift head assembly includes a lift housing supported by the housing legs that are mounted to the floor via the mounting rails (Fig. 2). The lift housing contains a hoist mechanism that winds-up or lets-down the cables connected to the lifting platform when you push the UP or DOWN button on the remote control, which is either wireless or corded (Fig. 2).

The lifting platform consists of a steel frame and a platform that

supports cargo that you wish to move between the upper and lower floors. The lifting platform is connected to the lifting head via two cables attached to the platform leg brackets. Chains surround the cargo area to help contain the cargo on the platform (Fig. 2).

Below the platform is a door panel connected by springs. When the lifting platform is raised to the highest position, the door closes the bottom of the lift opening while the platform rises to the top of the lift opening, level with the attic floor. This unique Versa Lift feature makes it easy to load and unload cargo without lifting.



3. VERSA LIFT STANDARD REMOTE

The standard remote control is provided with a 15-foot cord so that you can stand safely away from the lift while raising or lowering the lifting platform. If your ladder is close to the lift, you can extend the remote to the ladder opening and stand midway on the ladder with the remote control. This position allows you to see below and above the lift to make sure that no person or object is in the way of the lifting platform movement in either direction.

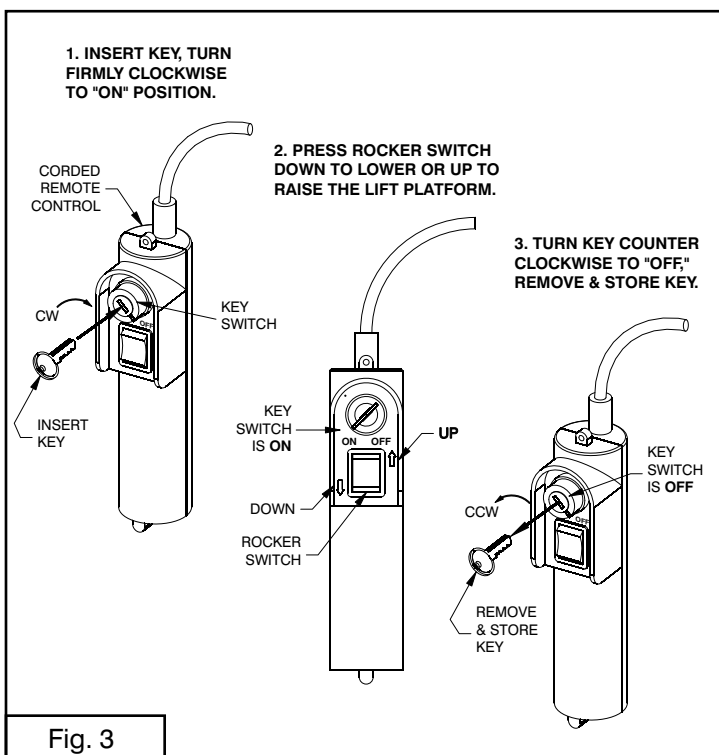
The remote control features a locking key switch to turn the controls ON or OFF and a rocker switch to select upward or downward movement of the lifting platform (Fig. 3). When the key switch is set to OFF and the key is removed, the remote cannot be operated. When the key is inserted into the switch and rotated to the ON position, the remote is operational and the rocker switch is enabled.

When the rocker switch is tipped UP, the cables will be wound up, raising the lifting platform to the highest position where it will stop when it trips the upper limit switch. When the upper limit switch is reached, the rocker switch will be disabled in the upward direction.

When the rocker switch is tipped DOWN, the cables will be wound out until the lifting platform contacts the lower floor and trips the lower limit switch, disabling the rocker switch in the downward direction.

To lock the remote, raise the lifting platform to the highest position, rotate the key to the OFF position, then remove and store the key in a safe place. Unplug the power cord.

⚠ WARNING STOP USING THE LIFT IMMEDIATELY & CONTACT US FOR SERVICE IF: A. The lift motor does not stop instantly when the platform reaches the floor or the upper limit switch lever; B. The platform moves upward while the DOWN button is pushed; C. The platform moves downward when the UP button is pushed; this means the limit switch(s) has failed or is malfunctioning! IT IS NOT SAFE TO OPERATE THE LIFT UNTIL THIS MALFUNCTION HAS BEEN CORRECTED!



4. VERSA LIFT WIRELESS REMOTE

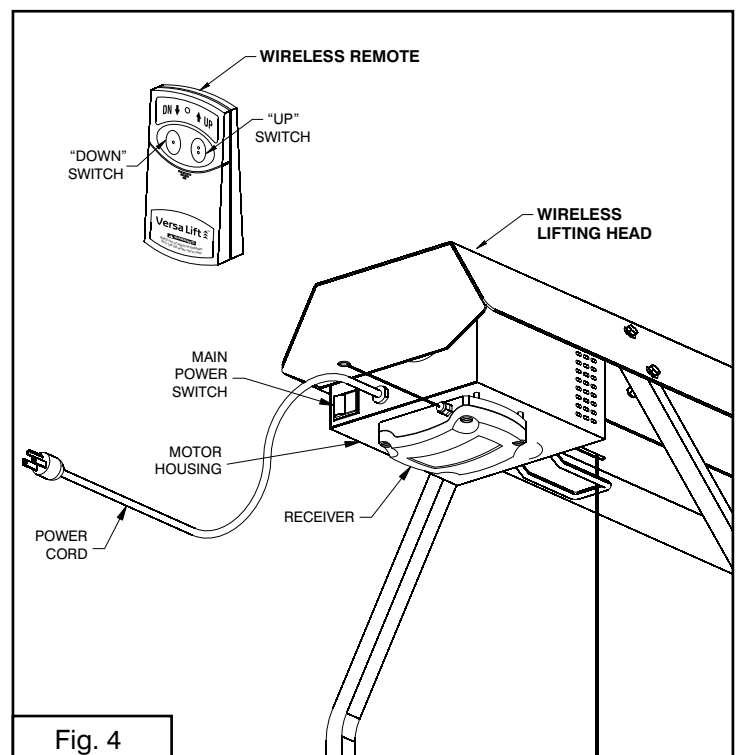
The wireless remote control is a cordless radio signal transmitter that sends a coded signal to a receiver mounted to the underside of the motor housing (Fig. 4).

The main power switch is located on the rear of the motor housing (Fig. 4). When the power cord is plugged into an electrical outlet and the main power switch is ON (lighted), then the lift is energized and the wireless remote is active at all times.

The wireless remote has two momentary switch buttons. The right button on the remote is the UP switch. When the up switch is pressed, the cables will be wound up, raising the lifting platform to the highest position, where it will stop when it trips the upper limit switch. When the upper limit switch is tripped, the up switch on the remote will be disabled.

The left button is the DOWN switch. When down switch is pressed, the lift cables will be wound out until the lifting platform contacts the lower floor surface and trips the lower limit switch. When the down limit switch is tripped, the down switch on the remote will be disabled.

WARNING: Whenever the power to the lift is ON, the lift can be unintentionally operated your wireless remote or by some other coded signal from another source, such as a similar remote device in your area. **When the lift is not in use, the main power switch must be turned OFF (unlighted), the power cord must be unplugged, OR the power to the electrical outlet must be turned OFF.**



5. LOADING THE LIFTING PLATFORM

The following figures illustrate incorrect loading practices in the left column and the correct loading practices in the right column.

Follow these basic rules when loading the lifting platform to avoid accidents or injuries:

- 5.1. Always center the load on the platform (Figs. 5 & 6).
- 5.2. Always keep load inside the lifting frame (Figs. 7 & 8).
- 5.3. Never lift loads that are too wide (Figs. 9 & 10).
- 5.4. Never lift loads that are unstable (Figs. 11 & 12).
- 5.5. Never lift objects that can tip or roll off (Figs. 13 & 14).
- 5.6. Never exceed the load limit! (200-lbs/model 24, 250-lbs/model 32)

The lifting platform frame defines the limits of the load size. The load should NEVER extend outside the frame! If it does, it is likely to get caught on the edge of the lift opening. When this happens the load can be knocked off of the lift or the lifting platform can become jammed in the lift opening. Falling cargo can cause injury, become broken or crushed and the lift mechanism can be damaged or broken.

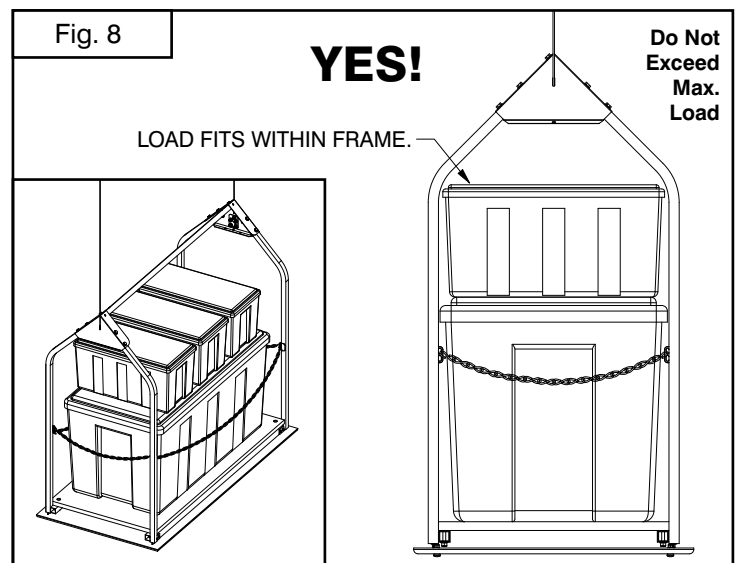
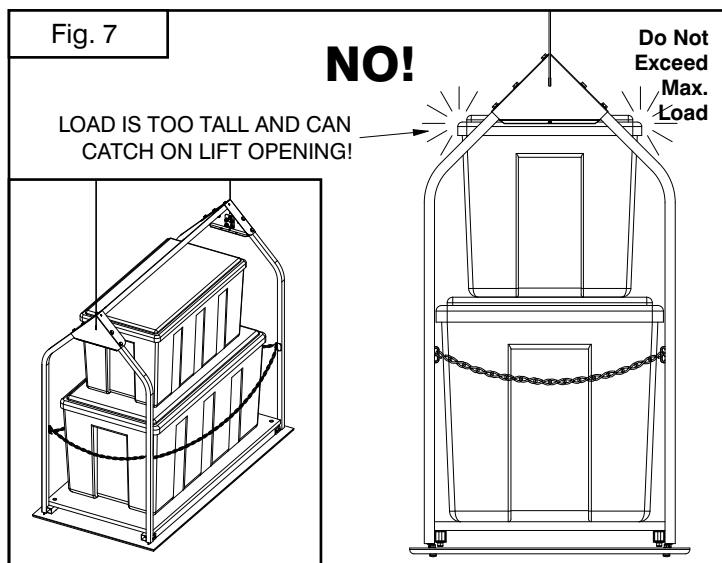
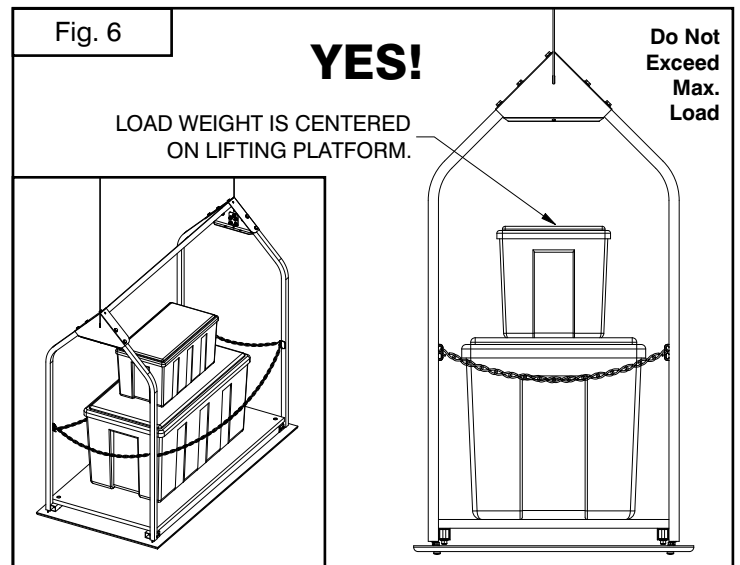
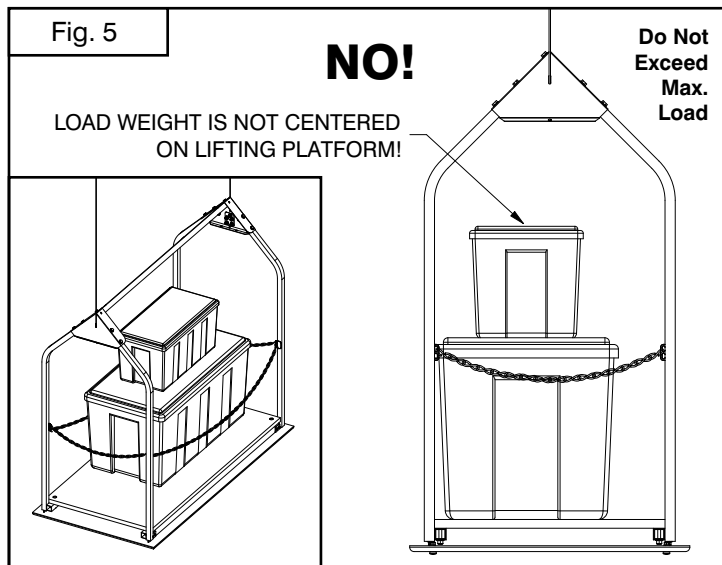
The best way to visualize the load is to view the loaded platform

from one end as shown in Figs. 5 through 14. You should be able to sight from the inside edge of nearest end frame to the same edge on the furthest end frame all the way around the frame. If the cargo blocks the view of the further frame, then reposition the load until it passes this test or downsize the load.

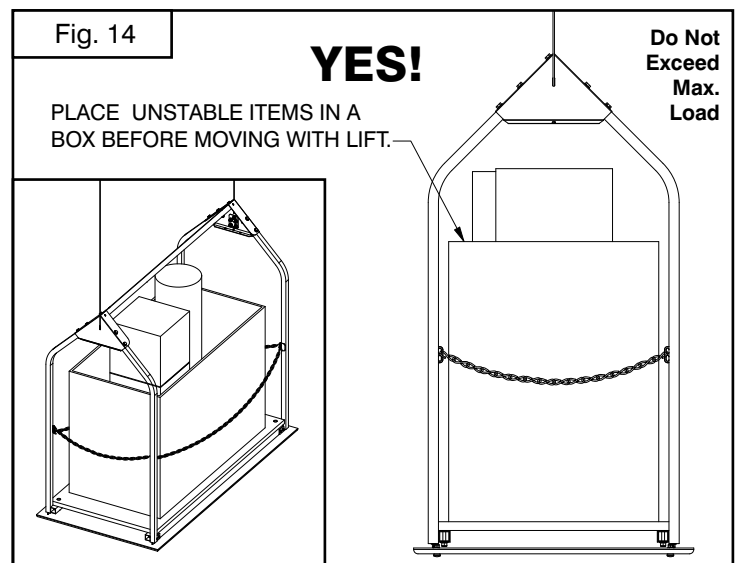
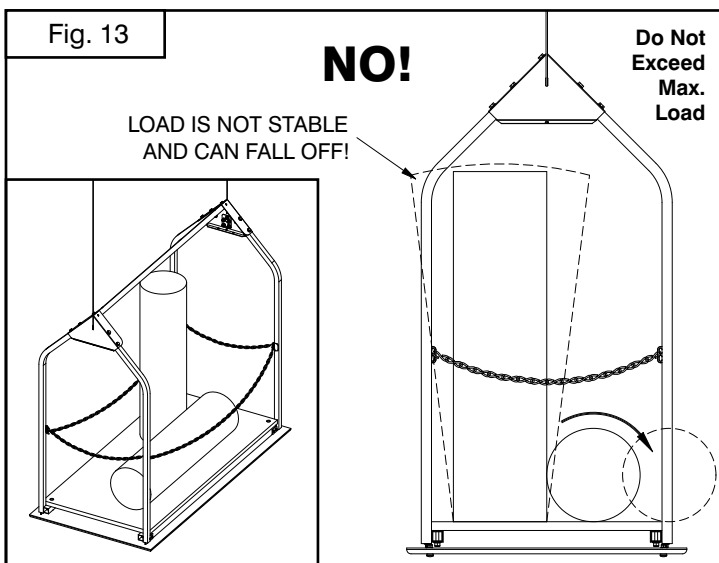
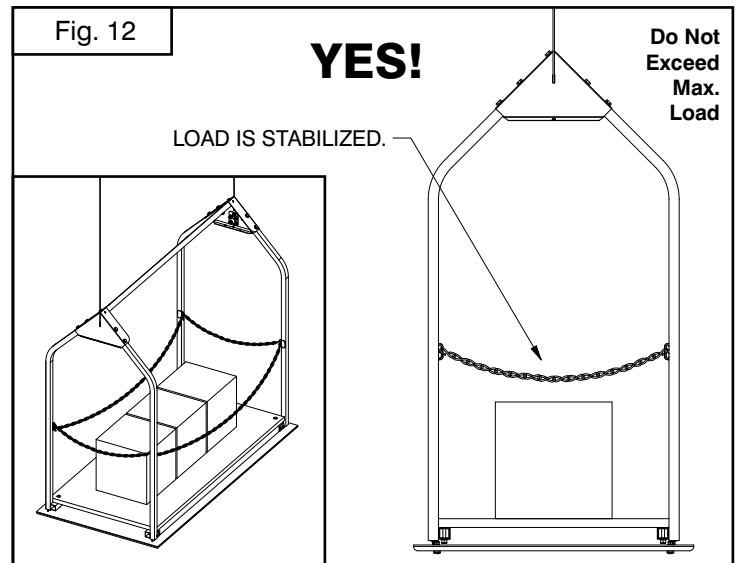
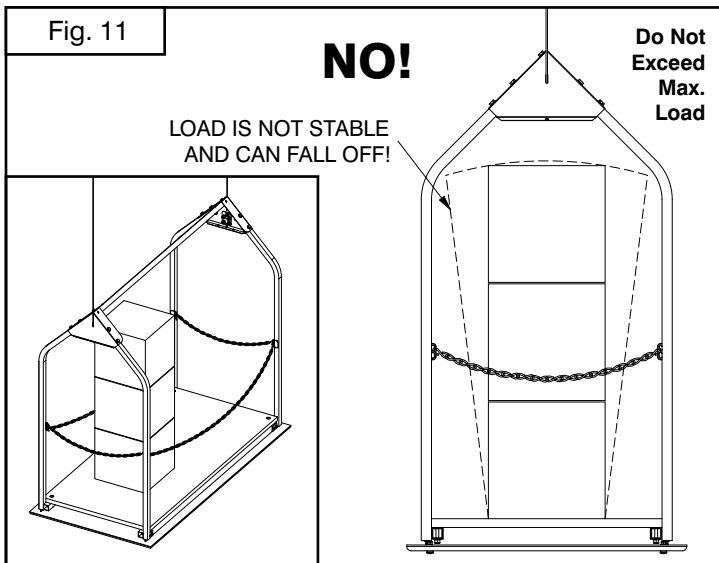
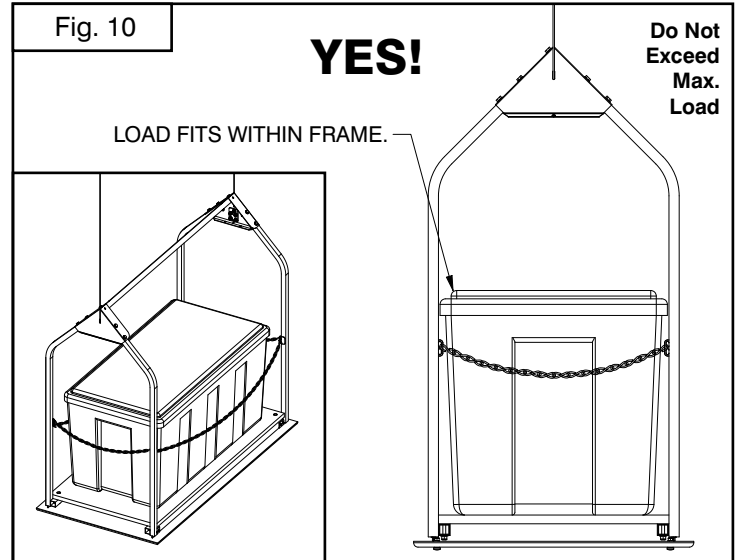
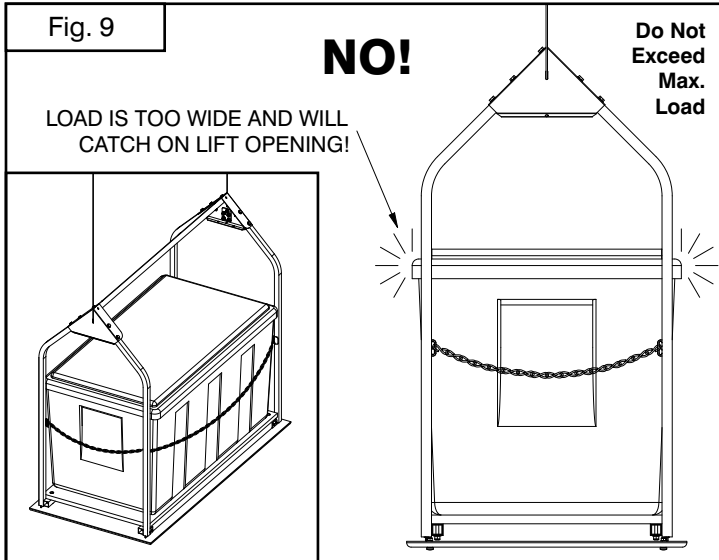
Another method is to take a long mop or broom handle, hold it horizontal and pass it down the outside of the frame on all four sides. **It must not touch the cargo at any point!** This test can only be used when the lifting platform is down.

You are Responsible for Safe Loading!

These loading guidelines are intended to illustrate safe loading principles that you can apply to your individual loading problems. This manual cannot anticipate every loading situation you may encounter. YOU are responsible for using good judgement in operating this equipment. You must take the time to analyze each load for safety risks. Don't try to maximize loads on the platform. If you have any doubts, make two smaller loads rather than one big load. Place small or unstable items in a large stable container.



IMPORTANT: Avoid accidents, expensive repairs or personal injury by observing the Versa Lift Safety Rules and using good judgement when loading the lifting platform and operating this product. (Max Load is 200-lbs/model 24, 250-lbs/model 32)

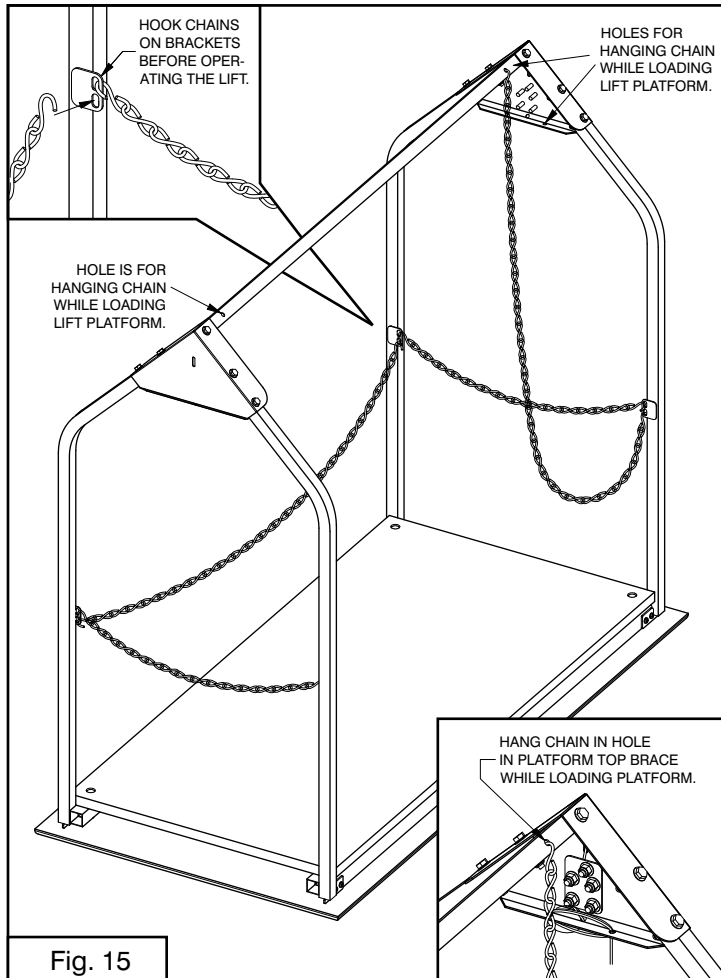


6. USING THE PLATFORM CHAINS

The platform is provided with chains that fasten to brackets on the four platform legs (Fig. 15). There are two long chains and two short chains. The two short chains can be attached permanently in the brackets by closing the links at each end. The two long chains should have one end of each chain permanently attached by closing one link and have the other end removable by leaving the second link open to form a hook (Fig. 15 Inset).

When loading the platform, one of the long chains need to be unhooked at one end so that cargo can be easily placed on the lifting platform. After un-hooking one of the long chains, always hook the end of the chain in one of the holes provided in the platform top brace (Fig. 15 lower inset).

Do not drop the chain on the floor because if you forget to reconnect it, the chain can become jammed in the lift opening.



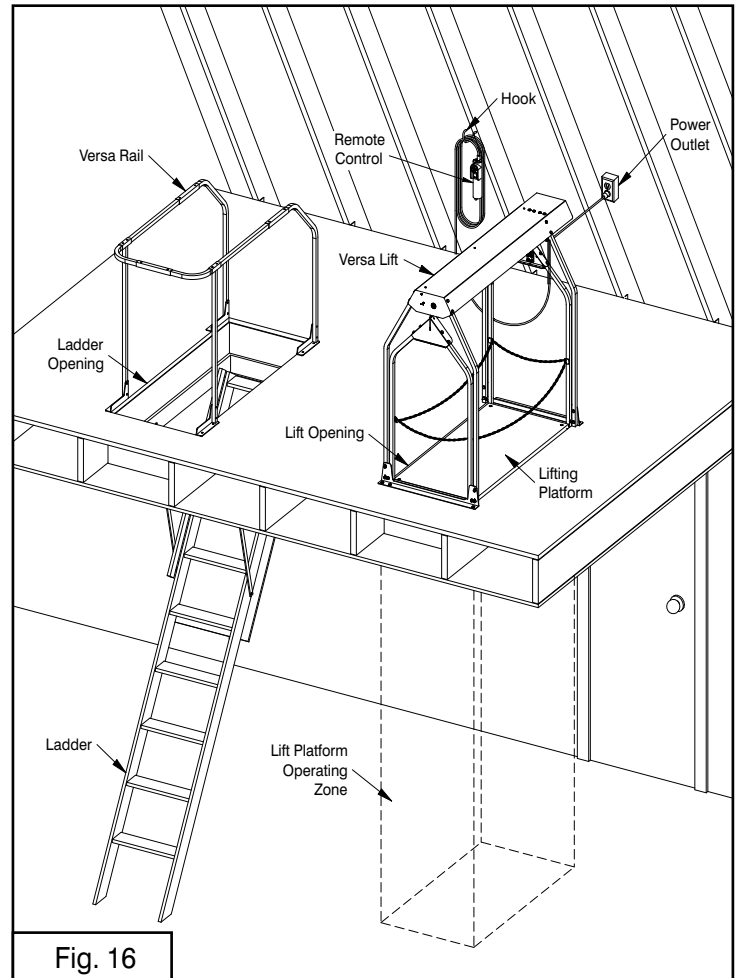
7. THE LIFT OPERATING ZONE

The area directly under the lift from the opening to the lower floor is the "lifting platform operating zone" (Fig. 16). This area and the surrounding area must be kept clear to provide a work zone where you can load and unload storage items.

You must stand clear of the operating zone before operating the lift! It is the operator's responsibility to make sure others are well away from the lifting head and the operating zone before he or she operates the lift system!

NOTE: You can place a rubber mat (or rubber-backed carpet) on the floor where the lifting platform rests in the down position. The mat will mark the "lifting platform operating zone" (Fig. 16) and can keep the platform from sliding on hard surfaces when it is being loaded.

⚠ WARNING To prevent unintended lift operation, you must turn the power switch off, unplug the power cord, or disconnect the power when not in use! The wireless model radio is active if the lift has power and is turned on and can operate the lift whenever a coded signal is received, either from the Versa Lift remote control transmitter or from another transmitter in your area! Unintended operation could cause the lifting platform to move downwards unexpectedly, possibly causing injury to persons or damage to property located directly under the lift.



8. STANDARD LIFT OPERATION PROCEDURES

The following procedures give you a step-by-step sequence for operating the Standard Versa Lift (with corded remote) for typical tasks. Use these procedures while observing all Versa Lift Safety Rules and all other safety precautions taught in this manual, such as correct platform loading and use of safety chains.

PROCEDURE A: MOVING STORAGE ITEMS DOWN

- A-1. Take the key upstairs with you. Turn on the lights.
- A-2. Plug the power cord into an approved receptacle.
- A-3. Load the lifting platform with items to move down.
- A-4. Make sure the remote cord is clear of the lift.
- A-5. Insert the key into the switch and turn to ON position.
- A-6. LOOK below to make sure no one is below the lift.
- A-7. Stand clear of the lift and press the down rocker switch.
- A-8. WATCH the operating zone below while you lower the lifting platform OR have another person (a spotter) watch below while you watch above.
- A-9. Press the rocker switch DOWNwards until the platform stops at the lower floor.
- A-10. **Inspect the cables before each use of the Versa Lift.** (See 12. Maintenance - Before Each Use).
- A-11. Go downstairs and unload the lifting platform.
- A-12. To move items up, follow Procedure B.
- A-13. When you are finished, follow Procedure C.

PROCEDURE B: MOVING STORAGE ITEMS UP

- B-1. Follow Procedure A to lower the lifting platform.
- B-2. Load the lifting platform with items to move up.
- B-3. Look above to make sure no one is near lifting head.
- B-4. WATCH above and below from the ladder while you raise the lifting platform OR have another person (a spotter) watch above while you watch below.
- B-5. Press the rocker switch Upwards until the platform stops at the lifting head.
- B-6. Go upstairs and unload the lifting platform.
- B-7. To move items down, go to Procedure A.
- B-8. To move more items up, repeat Procedures A and B.
- B-9. When you are finished, go to Procedure C.

PROCEDURE C: STORING THE LIFT

- C-1. Follow Procedure B to raise the lifting platform.
- C-2. Go upstairs and unload the platform, if needed.
- C-3. Turn the key switch to OFF and remove key.
- C-4. Store the remote and cord in a safe manner.
- C-5. Unplug the lift power cord from the receptacle.
- C-6. Turn off lights.
- C-7. Go downstairs, taking the key with you.
- C-8. Store the key in a safe place out of reach of children.

▲ WARNING Always raise the lifting platform to the highest position to close the lift opening when you are going to be working in the attic (upstairs) or when the Versa Lift is not in immediate use. Always turn off the power (or unplug the power cord) and safely store the key or wireless remote when you finish using the Versa Lift. Regularly inspect the Versa Lift for worn cables and damaged or loose parts (see section 12. Maintenance).

9. WIRELESS LIFT OPERATION PROCEDURES

The following procedures give you a step-by-step sequence for operating the Wireless Versa Lift (with cordless remote) for typical tasks. Use these procedures while observing all Versa Lift Safety Rules and all other safety precautions taught in this manual, such as correct platform loading and use of safety chains.

PROCEDURE A: MOVING STORAGE ITEMS DOWN

- A-1. Take the remote upstairs with you. Turn on the lights.
- A-2. Plug the power cord into an approved receptacle.
- A-3. Load the lifting platform with items to move down.
- A-4. Make sure the load is centered within the lifting frame.
- A-5. Turn the main power switch to ON.
- A-6. LOOK below to make sure no one is below the lift.
- A-7. Stand clear of the lift & press the down remote button.
- A-8. WATCH the operating zone below while you lower the lifting platform OR have another person (a spotter) watch below while you watch above.
- A-9. Press the DOWN button switch on the remote until the platform stops at the lower floor.
- A-10. **Inspect the cables before each use of the Versa Lift.** (See 12. Maintenance - Before Each Use).
- A-11. Go downstairs and unload the lifting platform.
- A-12. To move items up, follow Procedure B.
- A-13. When you are finished, follow Procedure C.

PROCEDURE B: MOVING STORAGE ITEMS UP

- B-1. Follow Procedure A to lower the lifting platform.
- B-2. Load the lifting platform with items to move up.
- B-3. Look above to make sure no one is near lifting head.
- B-4. WATCH above and below from the ladder while you raise the lifting platform OR have another person (a spotter) watch below while you watch above.
- B-5. Press the UP button switch on the remote until the platform stops at the lifting head.
- B-6. Go upstairs and unload the lifting platform.
- B-7. To move items down, go to Procedure A.
- B-8. To move more items up, repeat Procedures A and B.
- B-9. When you are finished, go to Procedure C.

PROCEDURE C: STORING THE LIFT

- C-1. Follow Procedure B to raise the lifting platform.
- C-2. Go upstairs and unload the platform, if needed.
- C-3. Turn the main power switch to OFF.
- C-4. Unplug the lift power cord from the receptacle.
- C-5. Turn off lights.
- C-6. Go downstairs, taking the wireless remote with you.
- C-7. Store the wireless remote in a safe place out of reach of children.

▲ WARNING Always LOOK above and below before raising or lowering the lifting platform to be sure that other persons are clear of the lifting zone, the lifting platform and the lifting head. If you cannot see both above and below, have someone (a spotter) watch for you to tell you when it is clear & safe to operate the lift. To help avoid accidents read and follow the "Versa Lift Operator Safety Rules" on page 3 of this manual.

10. OPERATION DUTY CYCLE

Under normal conditions (attic temperature below 100°F), the duty cycle for this equipment is **"2 minutes on / 4 minutes off."** This means that for each 2 minutes that the motor is operated, it requires 4 minutes off for cooling. This is because the motor is fully enclosed.

When the attic temperature is 100°F or higher, **it is not recommended that you enter the attic or operate the lift.** However, if you choose to operate the lift above 100°F, the duty cycle should be reduced to 2 min. on / 8 min. off.

Note: This motor is equipped with an internal thermal switch. When the motor becomes overheated, the switch will disable the motor until it cools down inside, then the switch will close, allowing the motor to operate again. It may take 5 to 10 minutes for the thermal switch to reset. To avoid activating the thermal switch again, provide more off-time for cooling or wait

11. STANDARD (corded) REMOTE STORAGE

The remote control and 15-ft cord should be stored in a safe manner. Do not leave the cord or remote on the floor where it can be stepped on or tripped over. Also, do not store it where it can become tangled in the lift mechanism. A hook, peg or strap installed near the lift provides a suitable means to store the remote and cord (see Fig. 17).

⚠ WARNING Take care not to damage the remote cord. Never pass the remote control cord under the lifting head, between the housing or platform legs, or through the lift opening! Store the cord carefully after use.

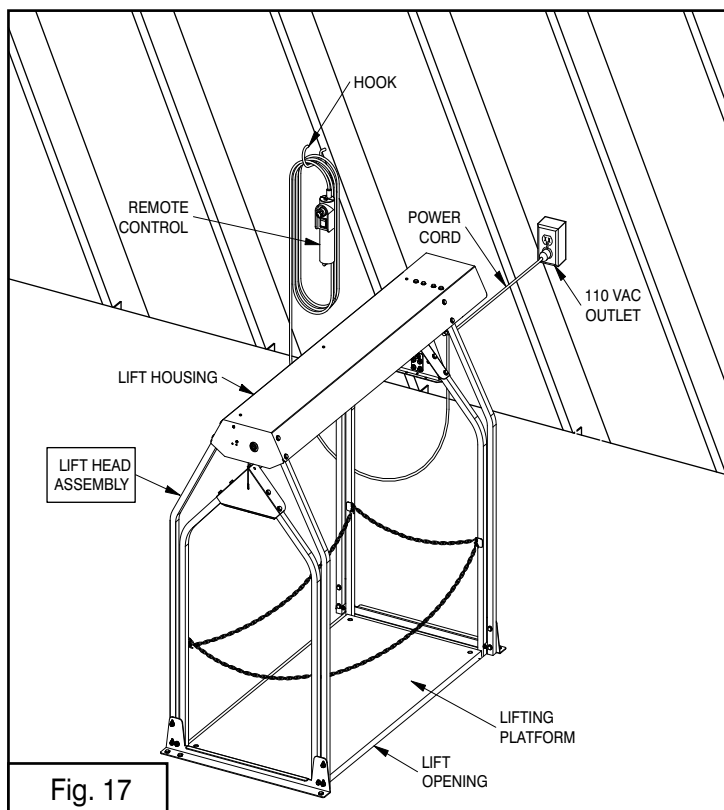


Fig. 17

12. VERSA LIFT MAINTENANCE

This product is durable and permanently lubricated. Maintenance consists mostly of regular, careful inspections as follows:

INSPECTION BEFORE EACH USE:

12.1. Check the power cord and remote control cord for wear or damage. If any is found, do not use the lift until the worn or damaged cord is replaced.

12.2. Inspect the cables for wear before each use: Lower the lifting platform all the way to the floor (Fig. 18) by following Operating Procedure A, page 9. Carefully inspect the cables for any frayed or broken filaments, kinks or knots. Start by looking immediately under the lifting head where the cables exit the slots in the bottom of the head (Fig. 19). With your eyes, inspect the cables as far down toward the platform as you can see (do not lean into the opening). Then go downstairs and inspect the cable from the bottom, starting from the cable clamps inside the platform frame, through the slots in the corner of the frame and then up the cables toward the lifting head as far as you can see (Fig. 20). If you should observe any frayed or broken filaments, kinks or knots, or other damage, immediately stop using the lift and call your dealer or BPG to arrange replacement of the cables. **It is dangerous to operate the lift with any damaged or worn cables!**

INSPECTION EVERY 3 MONTHS:

12.3. Carefully inspect all fastener connections. If any screws, bolts or nuts appear loose, damaged, or missing do not use the lift until the problem is corrected.

12.4. Carefully inspect the lift housing, housing legs and mounting rails for any cracked or bent parts. If any parts are cracked, bent, loose or missing, do not use the lift until all problems are corrected and damaged parts replaced.

12.5. Lower the lifting platform and while it is on the lower floor, carefully inspect all legs, brackets, and fasteners. If any parts are cracked, bent, loose or missing, do not use the lift until all problems are corrected and damaged parts replaced.

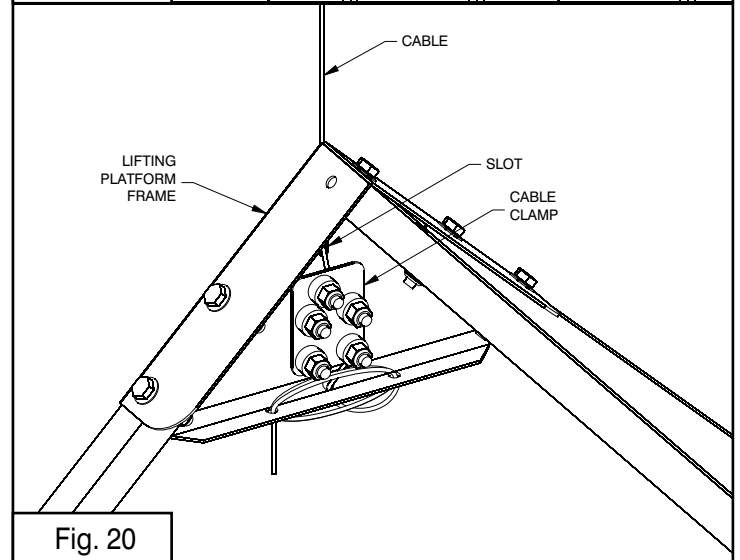
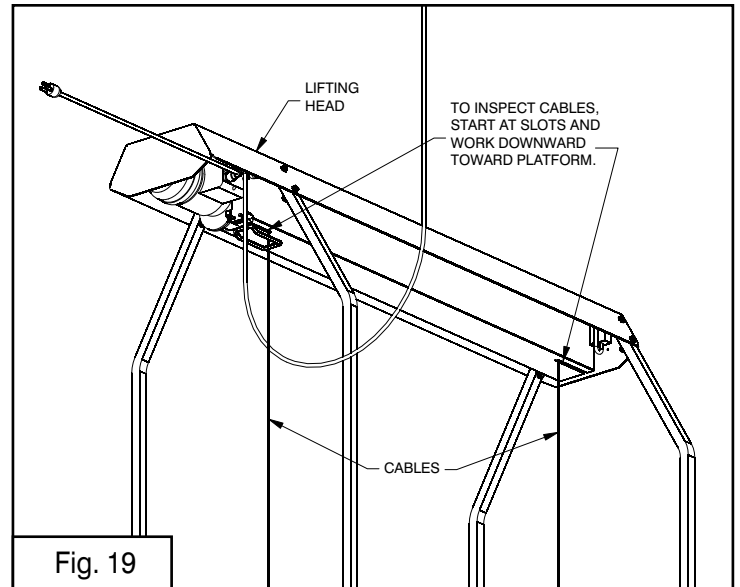
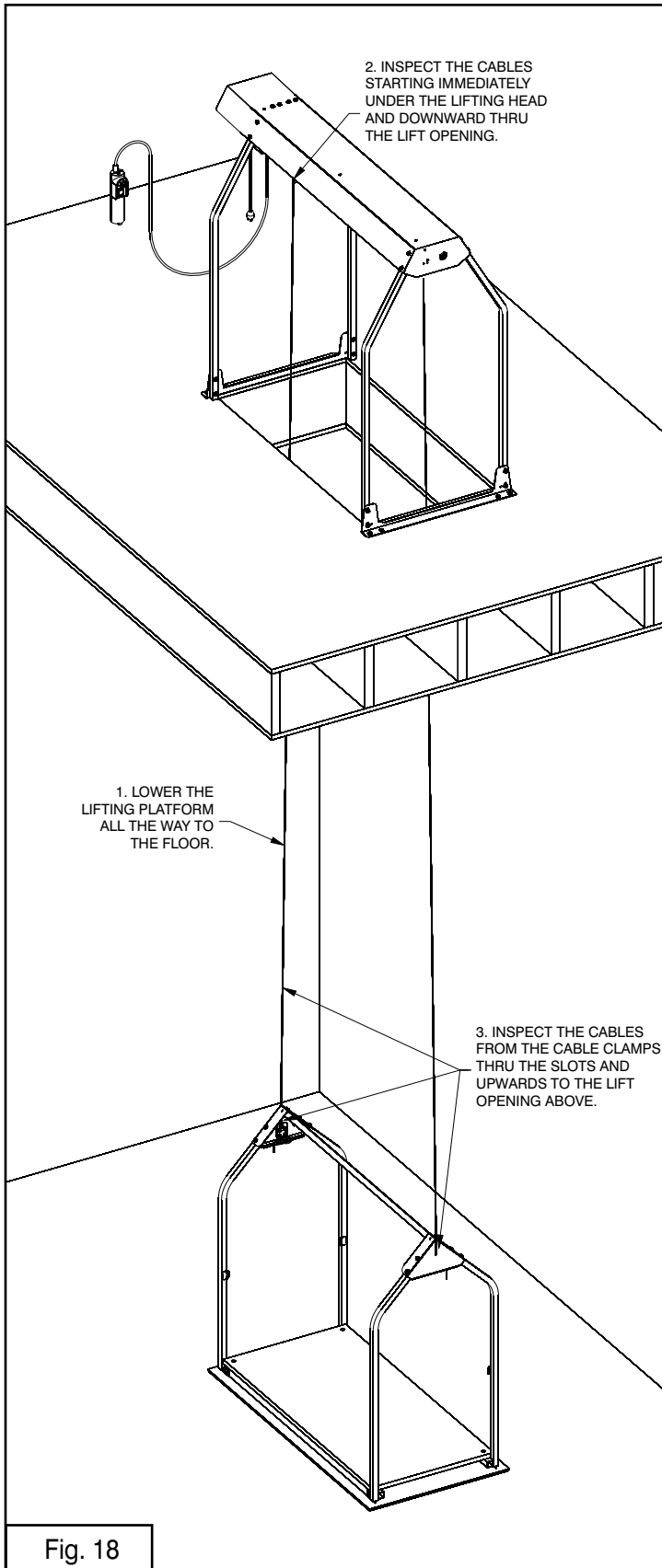
12.6. Perform a careful inspection of the cables (follow 12.2. above). Carefully inspect the cable when it is fully extended. Look from above and from below. There must be no frayed or broken strands and no kinks or knots. If any of these problems are observed, immediately stop using the lift until the cable has been replaced.

⚠ WARNING

- A. If the lift motor and platform do not stop instantly when the platform contacts the floor or the upper limit switch.
- B. If the platform moves upward while the DOWN button is pushed - or - downward when the UP button is pushed; this means the limit switch has failed and malfunctioning!

STOP USING THE LIFT IMMEDIATELY & CONTACT BPG FOR SERVICE. IT IS NOT SAFE TO OPERATE THE LIFT UNTIL THIS MALFUNCTION HAS BEEN CORRECTED!

⚠ WARNING BEFORE EACH USE, lower the lifting platform all the way and inspect the cables from top to bottom. Look for any frayed or broken filaments, kinks, or knots. If any wear or damage is found, do not operate the lift until cable has been replaced.



13. TROUBLESHOOTING

Use the following guide to help diagnose any problems you are having with your Versa Lift. **Note:** If you did not install this product yourself or if you lack the skill, strength, or ability to make recommended adjustments, then you should contact an authorized dealer and make arrangements to have these troubleshooting procedures performed for you.

13.1. LIFT WILL NOT OPERATE - Check to see if the lift power cord is plugged in. Plug another electrical device into the same outlet to see if it is getting power. Make sure the key switch (corded models) or power switch (wireless models) is in the ON position. Try the up button, then the down button. Remember: the lift should not run in the UP direction after it reaches the upper limit switch; and the lift should not run in the DOWN direction when it has reached the lower limit switch (contacted the lower floor). If it does either of these things, then the lift is malfunctioning and you should immediately stop using it and have it repaired.

If you have been actively operating the lift and it suddenly stops working, it may have just overheated (see section **10. Operation Duty Cycle**), let it cool for 10 minutes and try it again.

If your lift is a wireless model and normally works, but suddenly stops responding to the up and down buttons, you should check to make sure the power switch on the rear of the motor housing is on (lighted). If it is, then try replacing the 9 volt battery in your remote.

If you have tried these measures and the lift still doesn't operate, contact the dealer that sold or installed your lift.

13.2. LIFTING PLATFORM HANGS IN THE OPENING -

If the lifting platform goes only part way down through the lift opening, then stops, do the following: If the platform is loaded, push the rocker switch UP to return the platform to the highest position, then unload the platform. Inspect the platform for damage. With the platform empty, press the rocker switch DOWN. If the platform now passes through the opening without hanging, then the problem was either the load was too wide or the load was off-center and caused the platform to tilt. Review the loading instructions detailed in section **5. Loading the Lifting Platform**. Loaded items must fit within the confines of the lifting platform frame and the load should be balanced (centered) on the lifting platform.

If the empty platform still hangs up, try to find out why. Lower the platform out of the lift opening so that you can inspect the opening sidewalls. First, review **Lift Opening Requirements** on pg. 4 of the **Installation Guide**, then check your opening for squareness and correct size. Are the sidewalls smooth and perpendicular? Is the opening free of any brackets? Are all nail and screw heads set flush or below the surface? Is the sheet rock flush to the opening? Are the dimensions correct and is the hole square when measured diagonally? Any of these problems can cause the lift to malfunction and if found they must be corrected.

You should also review section **11. Adjusting the Mounting Rails** on page 18 of the **Installation Guide**. Check the accuracy of the center marks by carefully measuring to find the centers of the opening and the platform. Readjust (re-center) the platform according to section 11. Now move the lifting platform to the highest position and try lowering it down through the lift opening, first empty, then loaded.

If the platform does not hang, then the problem is corrected. If the platform continues to hang in the opening, stop using the lift immediately and contact the dealer that installed your lift. **The problem must be resolved before the lift can be used safely.**

13.3. THE LIFT MAKES A LOUD NOISE - If the lift makes a loud noise when operating, first make sure that the controls agree with the operation of the lifting platform: The platform should never go up when the down button is pushed; and the lifting platform should never go down when the up button is pushed. If either of these things are happening, then the lift is malfunctioning and you should immediately stop using it and have it repaired.

If the controls agree with the operation, then try to determine the source and type of the loud noise. The lift gear-motor normally makes a sonorous sound, like an electric can opener, only louder because it is enclosed in a large metal housing. This is normal. However, if you hear any clanking, knocking or grinding sounds during operation of the lift mechanism, these could indicate a malfunction and should be investigated by your dealer or a qualified technician.

13.4. LIFTING PLATFORM DOES NOT STOP INSTANTLY WHEN IT REACHES THE UPPER LIMIT SWITCH LEVER -

This condition indicates a severe malfunction lift system (see Warning below)! **Immediately stop using the lift until this condition has been corrected.**

13.5. LIFTING PLATFORM DOES NOT STOP INSTANTLY WHEN IT REACHES THE LOWER FLOOR -

This condition indicates a severe malfunction lift system (see Warning below)! **Immediately stop using the lift until this condition has been corrected.**

13.6. LIFTING PLATFORM GOES THE WRONG WAY - If the platform goes up when you are pressing the down button or if the lifting platform goes down when you press the up button this indicates a severe malfunction of the lift system (see Warning below)! **Immediately stop using the lift until this condition has been corrected.**

WARNING

- A. If the lift motor and platform do not stop instantly when the platform contacts the floor or the upper limit switch.
- B. If the platform moves upward while the DOWN button is pushed - or - downward when the UP button is pushed; this means the limit switch has failed and malfunctioning!

STOP USING THE LIFT IMMEDIATELY & CONTACT BPG FOR SERVICE. IT IS NOT SAFE TO OPERATE THE LIFT UNTIL THIS MALFUNCTION HAS BEEN CORRECTED!

14. WIRELESS REMOTE SETTINGS & OPERATION

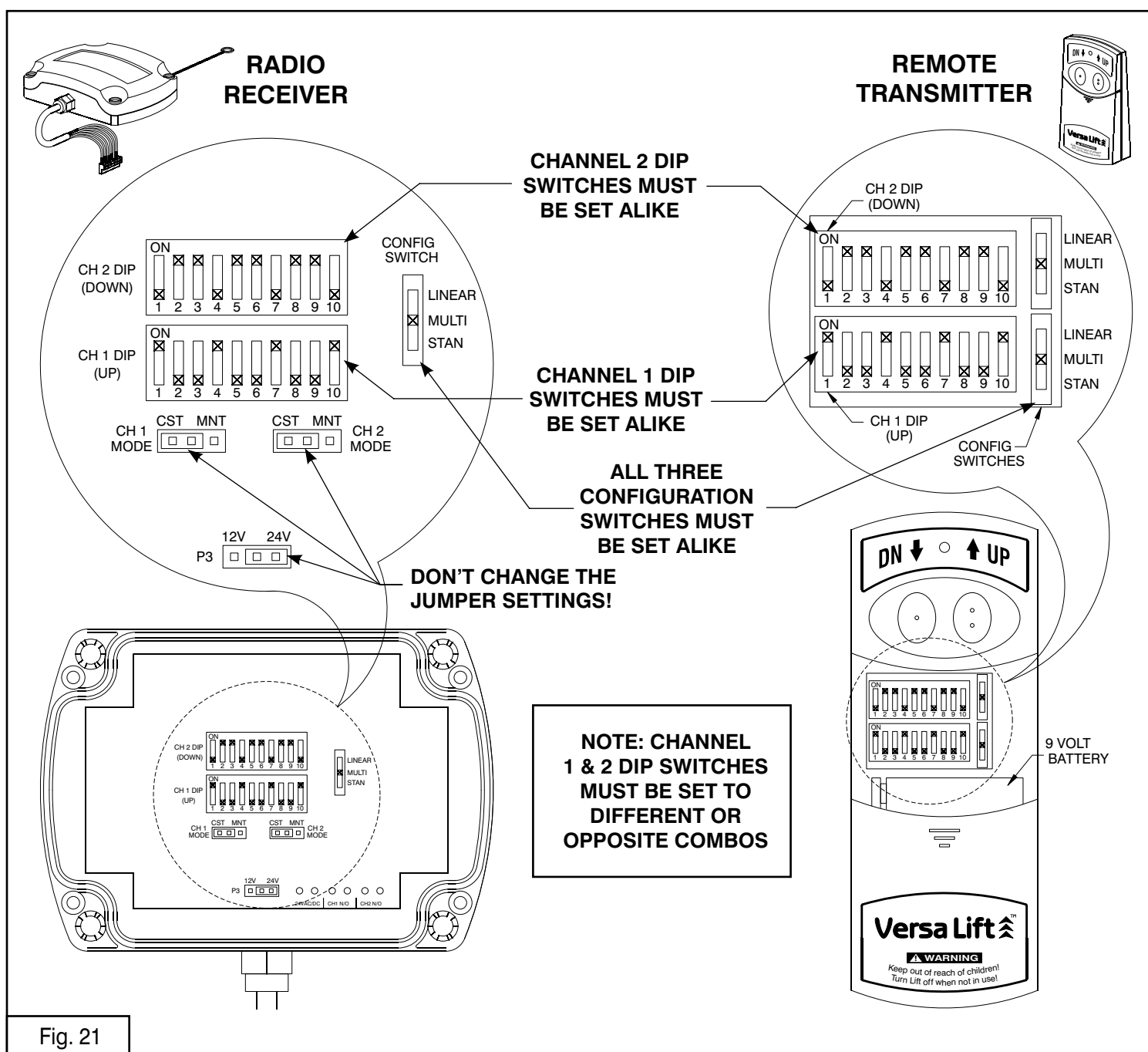
The wireless receiver and remote transmitter are pre-set at the factory to the codes and configurations shown below. A 9-volt battery will also be installed in the transmitter at the factory. If your transmitter fails to operate the lift, first make sure the lift power cord is plugged in and the power switch on the rear of the motor housing is turned ON and lighted. If the transmitter still fails to operate the lift, replace the battery with a fresh 9-volt battery. The indicator should light at the top of the transmitter when either the up or down button is pushed and a signal is being transmitted.

See 4. *Versa Lift Wireless Remote* on page 5 for details about the operation of the remote transmitter.

15. CHANGING CODES AND SETTINGS

Normally you will not need to change the factory settings unless someone within a block of you is operating a Versa Lift wireless model too or you are getting interference from some other radio frequency device, tower, or broadcasting station nearby. If so, first try changing the configuration switch settings on both devices to "LINEAR" or "STAN." This will most likely correct the problem. If not, you can change the codes on the dip switches (see below). Do not use these codes: All 10 positions ON; All 10 positions OFF; Alternating ON/OFF; Alternating OFF/ON. Use a random code combination and follow the rules below.

NOTE: Do not change the jumper selection from the factory settings (CST for Ch1 & Ch2 Mode and 24V for P3).



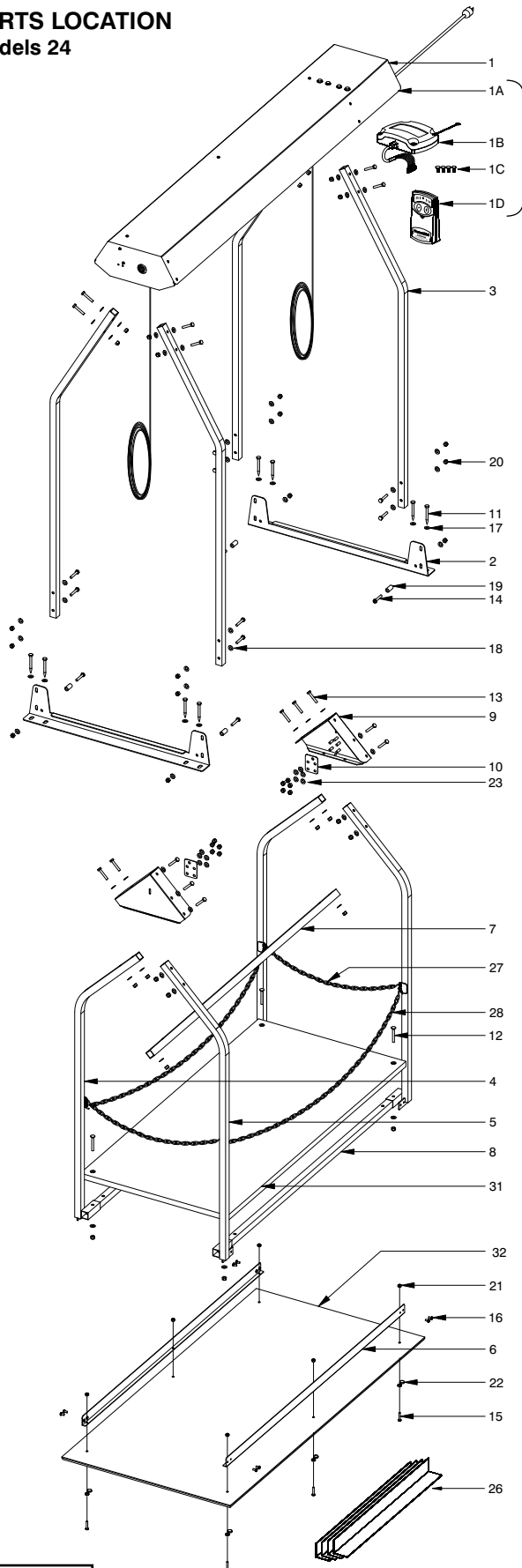
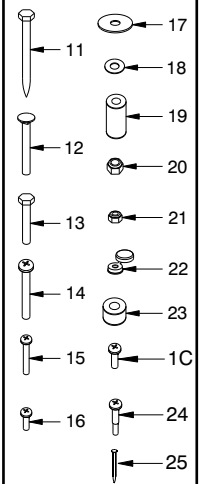
PARTS LOCATION
Models 24

Fig. 22

PARTS DESCRIPTION - Models 24 - Standard & Wireless

1. Standard Lift Housing Assembly (1) -OR-
1A. Wireless Lift Housing Assembly (1)
- 1B. Wireless Receiver (1)
- 1C. Receiver Mounting Screws 6-32 X 1/4" Phillips (4)
- 1D. Wireless Remote Transmitter (1)
2. Mounting Rails (2)
3. Lift Housing Legs (4)
4. Left Platform Legs (2)
5. Right Platform Legs (2)
6. Door Braces (2)
7. Platform Top Brace (1)
8. Platform Supports (2)
9. Platform Leg Brackets (2)
10. Cable Clamps (2)
11. 1/4" x 2-1/2" Lag Screw (8)
12. 1/4-20 x 2" Standard Screw (4)
13. 1/4-20 x 1-1/2" Hex Bolt (26)
14. 1/4-20 x 1-1/2" Phillips Screw (4)
15. 10-32 x 7/8" Phillips Screw (8)
16. 10-32 x 3/8" Phillips Screw (8)
17. 1/4 x 1" Flat Washer (8)
18. 1/4 x 5/8" Flat Washer (99)
19. 1/2 x 1" Nylon Guide Spacer (4)
20. 1/4-20 Locknut (44)
21. 10-32 Locknut (8)
22. Screw Cover (8)
23. 1/2" Dia. Cable Clamp Spacer (10)
24. Drill Point Screws (8)
25. #17 x 1" Nails (2 oz.)
26. 2" x 2" "L" Flashing (4)
27. Short Chains (2)
28. Long Chains (2)
29. Installation Guide (1)
30. Owners Manual (1)
31. Platform Panel (1)
32. Door Panel (1)

**Hardware****PLEASE READ THE FOLLOWING CAREFULLY**

The manufacturer and/or distributor has provided the parts diagram in this manual as a reference tool only: neither the manufacturer nor distributor makes any representation or warranty of any kind to the buyer that he or she is qualified to make any repairs to the product or that he or she is qualified to replace any parts of the product. In fact, the manufacturer and/or distributor expressly states that all repairs and parts replacements should be undertaken by qualified technicians and not by the buyer. The buyer assumes all risks and liability arising out of his or her repairs to the original product or replacement parts thereto, or arising out of his or her installation of replacement parts thereto.

PARTS LOCATION Models 32

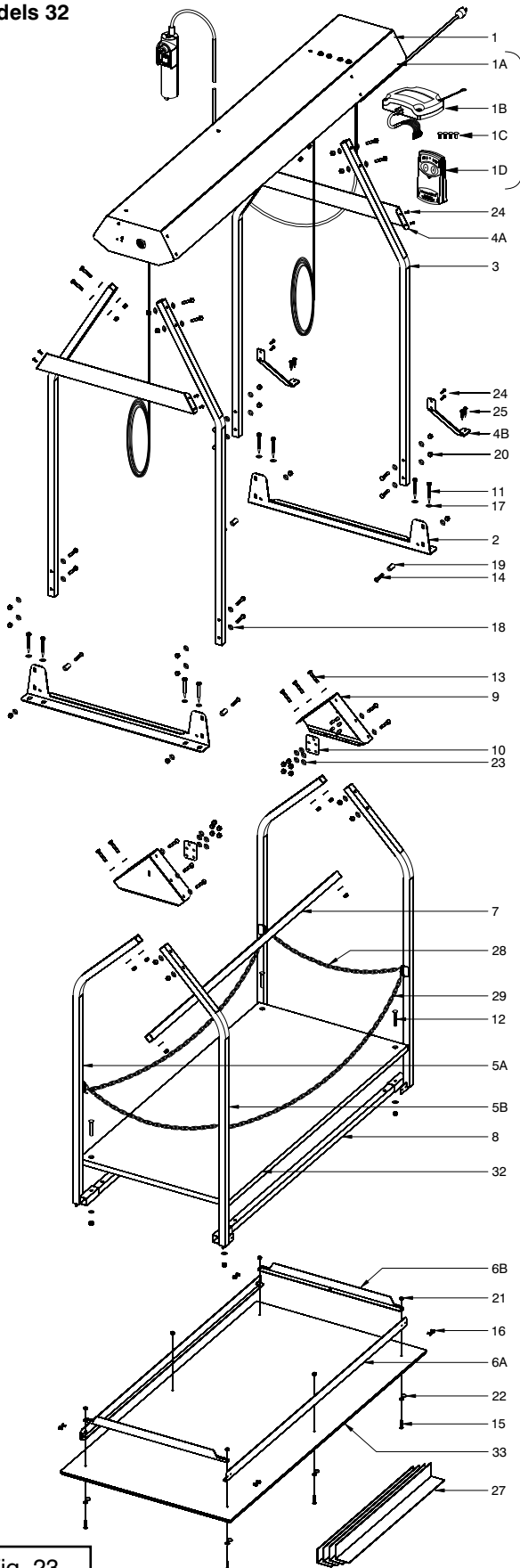


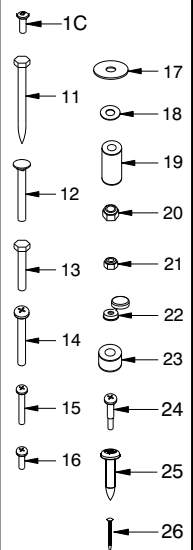
Fig. 23

PARTS DESCRIPTION - Models 32 - Standard & Wireless

1. Standard Lift Housing Assembly (1) -OR-
 1A. Wireless Lift Housing Assembly (1)
 1B. Wireless Receiver (1)
 1C. Receiver Mounting Screws 6-32 X 1/4" Phillips (4)
 1D. Wireless Remote Transmitter (1)
2. Mounting Rails (2)
3. Lift Housing Legs (4)
- 4A. Housing Leg Braces (2)
- 4B. Housing Leg Stabilizers (2)
- 5A. Left Platform Legs (2)
- 5B. Right Platform Legs (2)
- 6A. Long Door Braces (2)
- 6B. Short Door Braces (2)
7. Platform Top Brace (1)
8. Platform Supports (2)
9. Platform Leg Brackets (2)
10. Cable Clamps (2)
11. 1/4" x 2-1/2" Lag Screw (8)
12. 1/4-20 x 2" Standard Screw (4)
13. 1/4-20 x 1-1/2" Hex Bolt (26)
14. 1/4-20 x 1-1/2" Phillips Screw (4)
15. 10-32 x 7/8" Phillips Screw (8)
16. 10-32 x 3/8" Phillips Screw (8)
17. 1/4 x 1" Flat Washer (8)
18. 1/4 x 5/8" Flat Washer (99)
19. 1/2 x 1" Nylon Guide Spacer (4)
20. 1/4-20 Locknut (44)
21. 10-32 Locknut (8)
22. Screw Cover (8)
23. 1/2" Dia. Cable Clamp Spacer (10)
24. #8 x 1/2" Drill Point Screws (15)
25. #12 x 1" Phillips SM Screws (5)
26. #17 x 1" Nails (2 oz.)
27. 2" x 2" "L" Flashing (4)
28. Short Chains (2)
29. Long Chains (2)
30. Installation Guide (1)
31. Owners Manual (1)
32. Platform Panel (1)
33. Door Panel (1)



Hardware



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