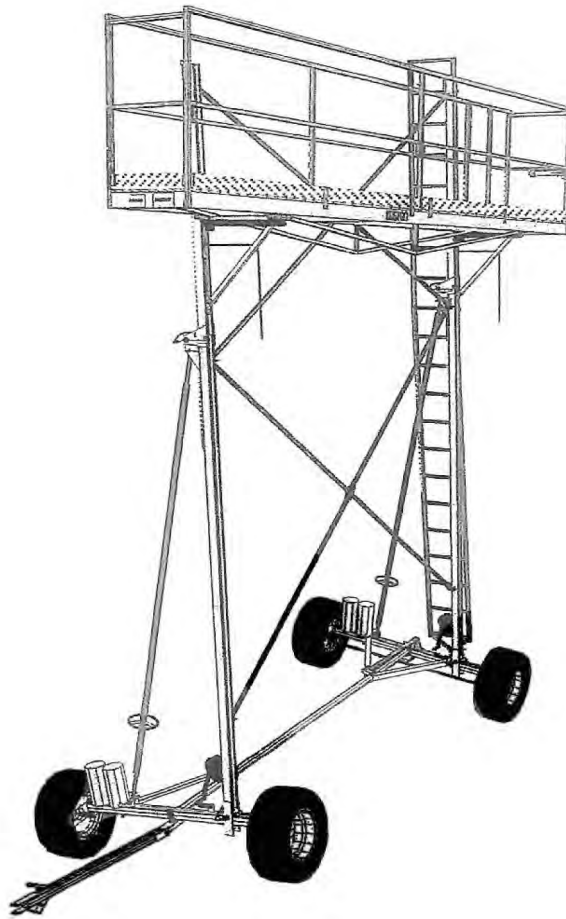


RUSTGO MOBILE WORK PLATFORMS

SAFETY & MAINTAINANCE

INSPECTION FORMS & PROCEDURES



Unique Contractor Products, LLC

423 Valley Lake Drive

Birmingham, AL 35206

Toll Free: (800) 448-4077

Phone: (205) 238-8615

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William King- "RUSTGO Product Specialist"

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RUSTGO

MANUALLY PROPELLED WORK PLATFORMS

are manufactured by

RUSTGO CO., 48926 State Hwy. 12, Spencer, NE 68777 USA Phone: (402) 589-1247 Fax: (402) 589-1298

And are Distributed & Sold Nationally By:

UNIQUE CONTRACTOR PRODUCTS, LLC

423 Valley Lake Drive, Birmingham, Alabama, 35206

Contact: William N. King II, "RUSTGO Products Specialist for 25 Years"

1-800-448-4077 or 205-238-8615 Website: www.rustgo.com Email: wking@rustgo.com

CLASSIFICATION OF RUSTGO MOBILE WORK PLATFORMS:

RUSTGO work platforms are categorized by the following ANSI Standard:

ANSI/SIA A92.3-1990 Manually Propelled Elevating Aerial Platforms

RUSTGO work platforms are categorized by the following OSHA Standard:

General OSHA Standard Part 1910

Subpart D 1910.29 Manually Propelled Ladder Stands and Scaffolds (Towers)

(a) General requirements Section € Mobile work platforms

When in use the field on a job site refer to 1926.452(w), then (NON-MANDATORY) APPENDIX A TO SUBPART L – SCAFFOLD SPECIFICATIONS

1926.450(W) MOBILE SCAFFOLDS. Stability test as described in the ANSI A92 series documents, as appropriate for the type of scaffold, can be used to establish stability for the purpose of Sec. 1926.452(w)(6).

RUSTGO mobile work platforms may be as a guardrail system for fall protection. RUSTGO mobile work platforms meet the OSHA requirements for a guardrail system under SUBPART M 1926.502 FALL PROTECTION SYSTEMS CRITERIA AND PRACTICES (a) General and (b) Guardrail systems.

Any additional requirements such as tying off, screens, mesh, etc. shall be the user's responsibility.

NOTE: RUSTGO mobile work platforms are not designed to withstand the forces imposed by a Personal fall arrest systems or Positioning device systems as in OSHA Section 1926.502(d&e) Subpart M.

IMPORTANT: A COPY PF THE ANSI/SIA A92.3 – 1990 MANUAL OF RESPONSIBILITIES IS INCLUDED WITH THIS INSTRUCTION MANUAL. IT CONTAINS IMPORTANT OPERATING INFORMATION FOR THIS RUSTGO PRODUCT. READ IT BEFORE OPERATING THIS RUSTGO WORK PLATFORM.

When properly used in accordance with the listed OSHA requirements and ANSI standard RUSTGO manually propelled work platforms meet said standards.

Company Name: _____

Inspection Date: _____

Address: _____

Supervisor's Name: _____

Phone: _____

Job Site or Location: _____

General Inspection & Maintenance

Key: D: Daily W: Weekly M: Monthly

Initials	D/W/M	Description	Comments
	All	Survey of job site: A survey shall be made of the job site for hazards such as ditches, debris, high tension wires, unguarded openings and hazardous conditions created by other trades	
	All	Read General Code of Safe Practices for Operation of Manually Propelled Work Platforms	
	D	Check to be sure Instruction Manual is in Instruction Manual holder	
	D	ALL decals are in place and legible	
	D	Check brake handle, they should move easily. Oil or grease pivot	
	D	Lock brakes. If wheels turn easily, re-adjust brake adjusting bolt on brake band until wheel is securely locked. If wheels still turn, brake band linings are probably damaged- replace	
	D	Check tire pressure & wear. Maintain maximum recommended tire pressure. Replace worn tires. Tires should be matched sets on each axle. Check lug nuts for tightness	
	D	Front & rear tongue bolts tight	
	D	Is rear steering tongue latch working properly. CHECK BEFORE TOWING ON STREETS & ROADS.	
	D	Check Extension Ladder safety catch; it should move freely	
	D	Ladders should not have bent or broken rungs	
	D	Check winch cables. If frayed or badly pinched, replace. Make sure hair pin clips are in place.	
	D	All guardrails are straight, in place, and secured with 1/4" safety pins.	

D	Entry latches are in working order	
D	All x-brace are straight. Check for excessive wear or metal cracks at connections and/or brackets.	
W	Inspect cable sheaves & clevis pins for wear. Lubricate with heavy oil or grease.	
W	Check lift arm ropes for wear and/or deterioration, replace as needed	
W	If uprights or extensions have been bent or severely twisted- replace	
W	Grease inside lip of uprights to prevent lift arms from binding or dragging	
W	Grease adjusting arm threads, two zirks per arm. Oil ball joints located on each end of arms	
W	Grease platform slide brackets and inspect for cracks and/or metal fatigue	
W	All toe boards are in place and in good condition	
W	Inspect decking for holes, soft spots or any other deterioration.	
M	Grease front & rear axles, three zirks per axle	
M	Check the wheel alignment for proper tow	
M	Grease wheel bearings and check for play. Should be repacked at a minimum- annually.	
M	Inspect reach pipe bolts & square washers for wear	
M	Reach pipe is straight, not bent. CHECK BEFORE TOWING ON STREETS & ROADS	
M	Check spherical tierod ends for wear	
M	Inspect the lift arm pawls & springs for wear & tension	
M	Inspect all bolts for wear. Replace or tighten as needed	

Daily visual inspection shall be conducted of the structural components and other critical components, such as pin, bolts and locking devices (including pawls). Check for metal/ weld fatigue on all parts including slide mechanism on platforms. Check for bent or worn parts or components that need maintenance, repair or replacement. When parts or components need replacement, they shall be identical or equivalent to original parts or components.

Environmental conditions such as acidic rain, salt water air or extremely wet conditions can have an impact on various equipment parts and must be taken into account when determining if inspections should be made more frequently than the recommended minimums. Amount or use and amount of towing should also be taken under consideration to determine if inspections should be made more frequently than the recommend minimums.

**GENERAL CODE OF SAFE PRACTICES
FOR
OPERATION OF MANUALLY PROPELLED WORK PLATFORMS**

It shall be the responsibility of all users to read & comply with the following common sense rules which are designed to promote safety in the operation of manually propelled work platforms. These rules do not purport to be all-inclusive nor supplant or replace other additional safety & precautionary measures to cover usual or unusual conditions.

If these rules conflict in any way with any state, local, or federal statute or regulation said statute or regulation shall supersede these rules and it shall be the responsibility of each user to comply therewith.

1. GENERAL RULES

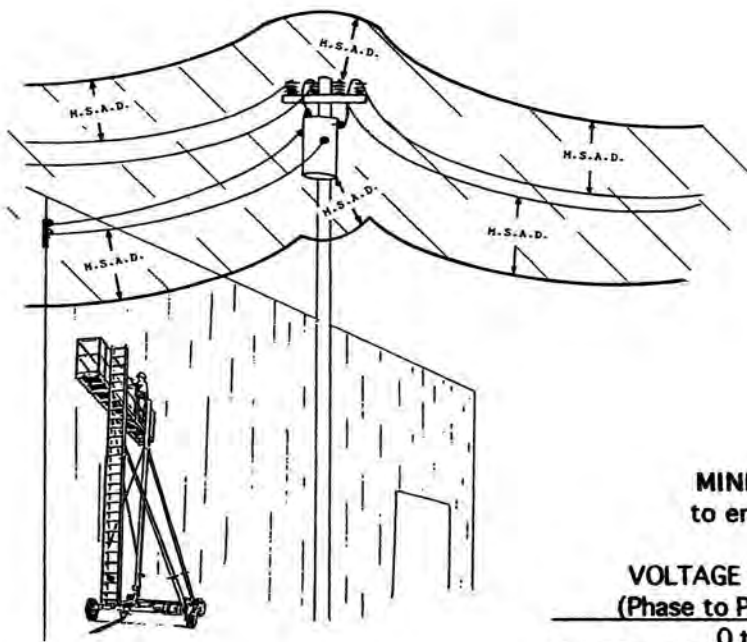
- A. **SURVEY THE JOB SITE:** A survey shall be made of the job site for hazards such as untamped earth fills, ditches, debris, high tension wires, unguarded openings, hazardous conditions created by other trades.
- B. **INSPECT ALL EQUIPMENT BEFORE USING:** Never use any equipment which has an obvious defect. Defective equipment must be repaired before using.
- C. **NEVER USE EQUIPMENT FOR PURPOSES OR IN WAYS FOR WHICH IT WAS NOT INTENDED.**
- D. **REPORT ANY UNSAFE CONDITION.**
- E. **NEVER TAKE CHANCES:** Do not work on platform if your physical condition is such that you feel dizzy or unsteady in any way.
- F. **RUSTGO brand manually propelled work platforms are not insulated for use near electrically energized circuits. User should therefore consider the work platform to be non-insulated unless otherwise labeled.**
- G. **The operation of any work platform is subject to certain hazards that cannot be protected against by mechanical means but only by the exercise of intelligence, care, and common sense. It is, therefore essential to have competent, careful operators, physically and mentally fit and thoroughly trained in the safe operation of this type of equipment.**

2. OPERATING RULES

- A. **FOLLOW ALL STATE, LOCAL, AND GOVERNMENT CODES, ORDINANCES AND REGULATIONS pertaining to work platforms.**
- B. **Read manufacturer's operating instructions. Never exceed manufacturer's recommended load. All accessories must be installed and used in accordance with manufacturer's recommended procedures.**
- C. **Perform daily maintenance checks and make visual inspection of work platform & surrounding area to be sure both are clear of other personnel & obstructions.**
- D. **Guardrails: Do not use machine without guardrails. Do not stand on guardrails to gain extra reach. Do not use guardrails to carry materials.**
- E. **Do not lean out over platform railings to perform work.**
- F. **Do not use ladders or makeshift devices on the platforms to obtain greater height.**
- G. **Do not operate equipment near electrical power lines(see enclosed additional information).**
- H. **Care must be taken to prevent ropes, electrical cords, hoses, etc. from becoming entangled in equipment when platform is being raised or lowered or equipment moved.**
- I. **Do not alter equipment or override safety devices in any way.**

- J. Do not ride on platform while it is being moved.
- K. Remove all material and equipment from platform before moving.
- L. DO NOT OVERLOAD WORK PLATFORMS
- M. Use proper guardrails and toe boards when required.
- N. Consult your scaffolding supplier when in doubt. Never take chances.
- O. Employees shall not work on platforms during storms, high winds, freezing rain or other adverse weather conditions that could endanger workman. Employees shall not work on platforms which are covered with ice, snow or frost, unless all ice, snow or frost is removed and decking sanded to prevent slipping.
- P. Overhead protection shall be provided for employees on a platform exposed to overhead hazards.

DANGER ELECTROCUTION HAZARD



**MINIMUM SAFE APPROACH DISTANCE(M.S.A.D.)
to energized(exposed or insulated) power lines and parts.**

VOLTAGE RANGE (Phase to Phase)	MINIMUM SAFE APPROACH DISTANCE	
	(Feet)	(Meters)
0 to 300V	AVOID CONTACT	
Over 300V to 50KV	10	3.05
Over 50KV to 200KV	15	4.60
Over 200KV to 350KV	20	6.10
Over 350KV to 500KV	25	7.62
Over 500KV to 750KV	35	10.67
Over 750KV to 1000KV	45	13.72

- DANGER:**
- * DO NOT ALLOW MACHINE, PERSONNEL OR CONDUCTIVE MATERIALS INSIDE PROHIBITED ZONE.
 - * MAINTAIN M.S.A.D. FROM ALL ENERGIZED LINES AND PARTS AS WELL AS THOSE SHOWN.
 - * ASSUME ALL ELECTRICAL PARTS AND WIRES ARE ENERGIZED UNLESS KNOWN OTHERWISE.
- CAUTION:**
- * DIAGRAMS SHOWN ARE ONLY FOR PURPOSES OF ILLUSTRATING M.S.A.D. WORK POSITIONS, NOT ALL WORK POSITIONS.

PRE-ERECTION JOB SITE INSPECTION & PREPARATION

The following guidelines are not all inclusive, rather they are examples of job site conditions to be aware of.

A survey of all obstructions, impediments or encumbrances that would pose a danger during the entrance onto the job site, during the course of working on the job site and during the exiting of the job site should be taken prior to arrival of the equipment at the job site.

This shall include, but is not limited to, aerial, ground and any buildings surveys. It shall include such potential hazards as:

Uneven ground, untamped earth fills, ditches/trenches, holes or depressions in the ground.
Electrical power distribution lines. Guy wires.
Protrusions from out of the ground or overheard from buildings or poles.
Debris, unguarded openings, hazardous conditions created by other trades or unauthorized people on the job site.
Weather conditions and forecasts and other possible unsafe conditions.

All potential hazards should be corrected or flagged and barricaded.

- ◆ The common types of accidents scaffolding and mobile work platforms are most likely to be involved in are tip over, collapse and electrocution.
- ◆ Tip over would most likely be caused by one or a combination of the following: wind, uneven ground conditions, overloading and/or failure to keep uprights vertically plumb or failure to properly erect equipment.
- ◆ Collapse would most likely be caused by overloading or failure to properly erect equipment.
- ◆ Electrocution would most likely be caused by failure to lower platform(s) and/or remove the upright extensions to maintain safe clearances of electrical power distribution lines. **KNOW THE HEIGHT AND VOLTAGE OF ALL POWER LINES ON AND ADJACENT TO THE JOB SITE. KNOW THE HEIGHT OF ALL EQUIPMENT AND MATERIALS BEING USED AT THE JOB SITE.**
- ◆ **THE MAXIMUM HEIGHT OF A STANDARD MODEL 139 WITH THE MAIN PLATFORM FULLY EXTENDED IS APPROXIMATELY 23 ft. 2 in.(+ or -2") Approx. 7.06 meters**
- ◆ **THE MAXIMUM HEIGHT OF A STANDARD MODEL 195 WITH THE MAIN PLATFORM FULLY EXTENDED IS APPROXIMATELY 29 ft. 3 in.(+ or -2") Approx. 8.9 meters**

TROUBLE SHOOTING

If you have trouble raising and/or lowering the platform(s), check the following items:

1. Grease the inside lips of the front & rear uprights and upright extensions.
2. Grease the slide mechanism of the platform.
3. Be sure that the uprights are in line. If they are too out of line, the binding of the platform at the lift arm attachment points will transfer to the uprights and make it very hard to raise and/or lower the platform.
4. Is one or both of the uprights bent? Replace if needed.
5. Are the cables on the sheaves at the top of the uprights? Is the hair pin cotter in place to prevent cable from slipping off of sheave.
6. Are the sheaves out of round or worn out? Replace entire sheave or brass bushing insert. Oil brass sheave bushings.
7. Is the cable threaded through the space between the upright and the welded on backbone(u-shaped)? It should not be.
8. If you have a Model 195(goes to 25'6" deck height), do not thread the cable through the eye located just above the winch.
9. Is the winch free turning or is the cable wound over itself?
10. Check the welds of the slide mechanism, where it is welded to the platform. Are any of the welds broke? This would cause the platform & slide to bind and work against each other.

TOWING

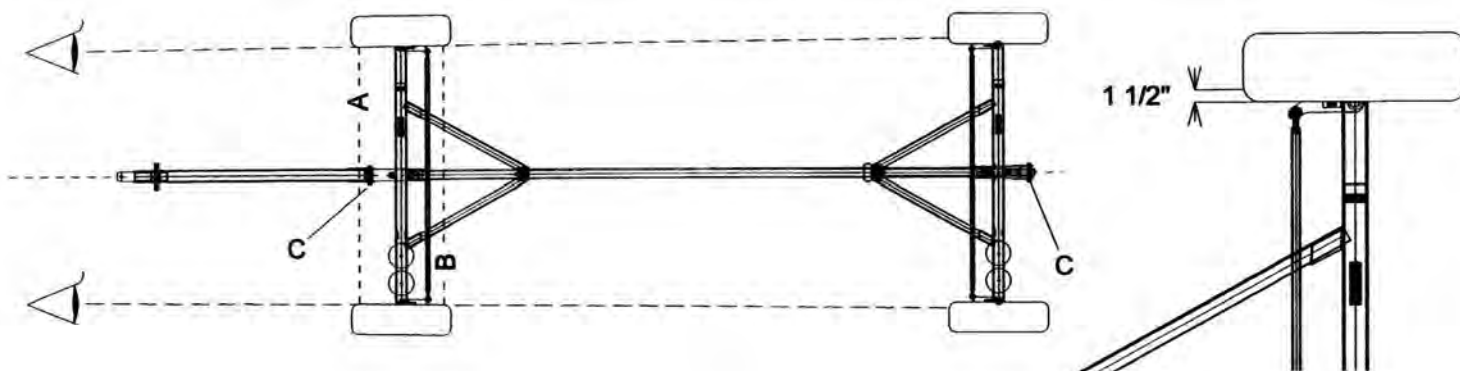
Poor towing can be a combination of several factors, including speed and road conditions. Check each of the following before continuing to the "Guide to Proper Steering Alignment".

1. Keep each axle free and non-binding.
2. Keep Front & Rear tongue bolts tight(snug).
3. A bent reach pipe or tie rod(s) can cause towing problems. Replace
4. Use matched pairs of tires on each axle. Inspect tires for out-of-round or being severely out of balance.
5. Inspect rims for being out-of-round or bent. Make sure the lug nuts have the rims securely on hubs.
6. Check for excess play of the wheel bearings.
7. Check for excess play of the tie rod ends and hairpin connections.

GUIDE TO PROPER STEERING ALIGNMENT

1. Keep all side play out of tongue by tightening 5/8" bolts at Point C.
2. FRONT TIRES: Align Front hairpin and tongue with center reach pipe and set tow in by sight or string as shown in drawing. Viewed from the front, the point of projection on the Rear tire should be 1-1/2" from the inside face.(See Drawing Below) The differential in measurement from the Front Point A to Rear Point B of the Front tires should be 1/2" to 3/4". With the distance at Point A being the smaller of the two.

REAR TIRES: The Rear steering tongue must be in the latched position. Viewed from the rear, the Rear tires should align with the front. The differential in the measurement of the front of the Rear tires to the back of the Rear tires should be 0" or no toe in.



RUSTGO GENERAL OPERATING INSTRUCTIONS

The Rustgo mobile work platform is designed to easily adjust to most terrain encountered on a job site. However, good judgment and common sense must be exercised to use this product in a safe manner. Care must be taken to maintain good stability & adequate clearance of the unit while maneuvering & using the unit on the job site. SEE: PRE-ERECTION JOB SITE INSPECTION & PREPARATION before assembling & using unit.

When maneuvering the unit around the job site it is a good practice to lower the platforms as low as possible and to slightly adjust the platform away from the building or work area using the spinner wheels on the two adjusting arms. This is done to help avoid potential electrical contact, &/or damage to the building or work area. When in doubt, always remove extensions to avoid potential electrical contact.

Using front & rear steering, roll the work platform up to and along side of the building or work to be done. NOTE: You'll find it easier steering into place if each person concentrates on positioning their own end instead of watching where the other end is going. THIS DOES NOT MEAN IGNORING POTENTIAL HAZARDS THE OTHER END MAY BE APPROACHING. After moving into desired position, LOCK ALL FOUR WHEEL BRAKES. Plumb the uprights using the spinner wheels on the adjusting arms.

TO RAISE PLATFORM:

Raise and level the main 2' x 20' platform to the desired height using the winches provided on the uprights. Keep a firm grip on the winch handle, these are free spooling to allow positive engagement of the pawl into the upright notches. As you raise the platform you will notice a clicking sound, this is the pawl slipping over the notches. To insure that the pawl is engaged in a notch after reaching the desired height, it is a good practice to raise the platform slightly, about 1-2 inches, and back off the winch. You will be able to feel the contact of the pawl and notch. The cable should now be slack.

TO LOWER PLATFORM:

Lower platform by 1/4 turn of winch. Pull down on rope and hold. Lower platform using winches, keeping a steady downward pull on the ropes and a firm grip on the winch handles. When platform is lowered to desired height, release rope and winch down until you feel and hear the pawl engage one of the notches in the upright. To insure that the pawl is engaged in a notch after reaching the desired height, it is a good practice to raise the platform slightly, about 1-2 inches, and back off the winch. You will be able to feel the contact of the pawl and notch. The cable should now be slack.

NOTE: When moving a unit over rough, uneven or sloping ground other factors come into play. This is a judgment call that can only be made in the field. To reduce sway and increase stability you may want to:

1. Lower the platform(s) as far as possible, thereby lowering the center of gravity. You may also want to lower the platform(s) to avoid potential overhead hazards. **If overhead electrical power lines are present you must lower the platform(s) as far as possible to provide adequate clearance. If necessary you may need to remove Intermediate Levels and/or 6 ft. Upright Extensions. This unit is NOT insulated. It shall not be used near electrically energized circuits or power lines without adequate safety measures being taken. Refer to MINIMUM SAFE APPROACH DISTANCE(M.S.D.A.) GUIDELINES. Contact your local, state, federal safety agencies and/or you local electrical utility for more information concerning the safe distances, safety measures and voltage of power lines on or near the job site.**
2. Plumb the uprights using the adjusting arms if they start getting excessively out of plumb while moving the unit.
3. All counterweights must be on the unit, use all parking brakes and the work platforms shall not be raised, lowered or moved with workmen on the platform(s).
4. Read & understand warning decals on unit. Follow the rules from the "General Code of Safe Practices of Operation of Manually Propelled Work Platforms".
5. After disassembly for tow, secure various parts on the platform(s) using provided tarp straps(Part# 486-128) or ratchet straps(Part# 486-129).

INSTALLATION & USE OF INTERMEDIATE LEVELS

1. When using a unit that has Intermediate Level Winches, remove the handle of the main winch and place it on the Intermediate Level Winch.

2. Insert guide pins (located at the top) of Intermediate Level Lift Arm into the bottom of the upright channel. **(PHOTO 1)**

3. Raise arm until it comes into position (NOTE: Notches on bottom of lift arm) so the notches on the bottom end of the lift arm will slip into the upright channel lips. **(PHOTO 2)**

4. Raise lift arm until pawl engages a notch on the upright channel. Unwind I/L winch to provide enough cable slack to attach link snap into loop welded on face of lift arm. Take up cable slack with I/L winch. **(PHOTO 3)**

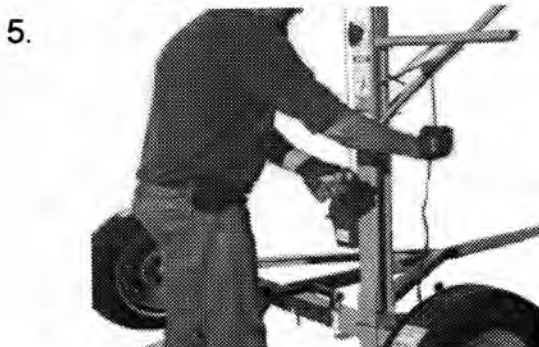
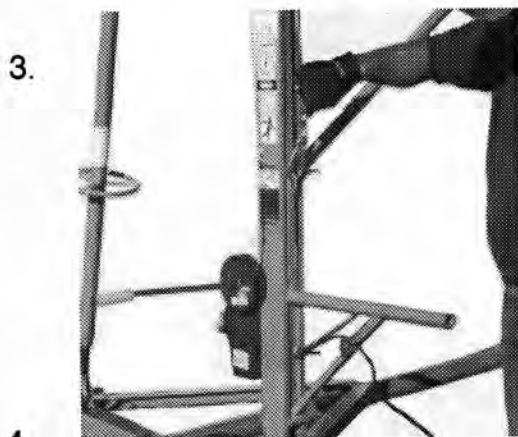
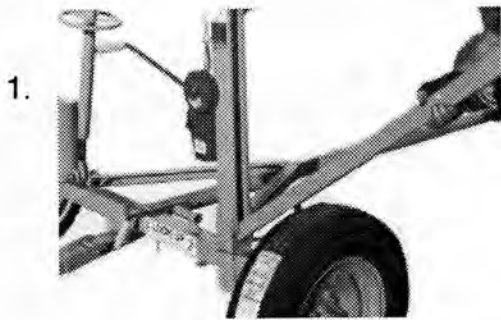
5. Place Intermediate Level on lift arms (with gate end near ladder) as you would a main platform. Secure with 2- 3/8" safety pins provided. Due to the weight of the platform, you may wish to use lifting equipment, such as a forklift, to initially place the platform on lift arms.

6. To raise, crank clockwise on the I/Level winch. Raising **(PHOTO 4)** and Lowering **(PHOTO 5)** the Intermediate Level using the I/Level winches is accomplished in the same manner as the main platform. (See **RUSTGO GENERAL OPERATING INSTRUCTIONS** page for full explanation.)

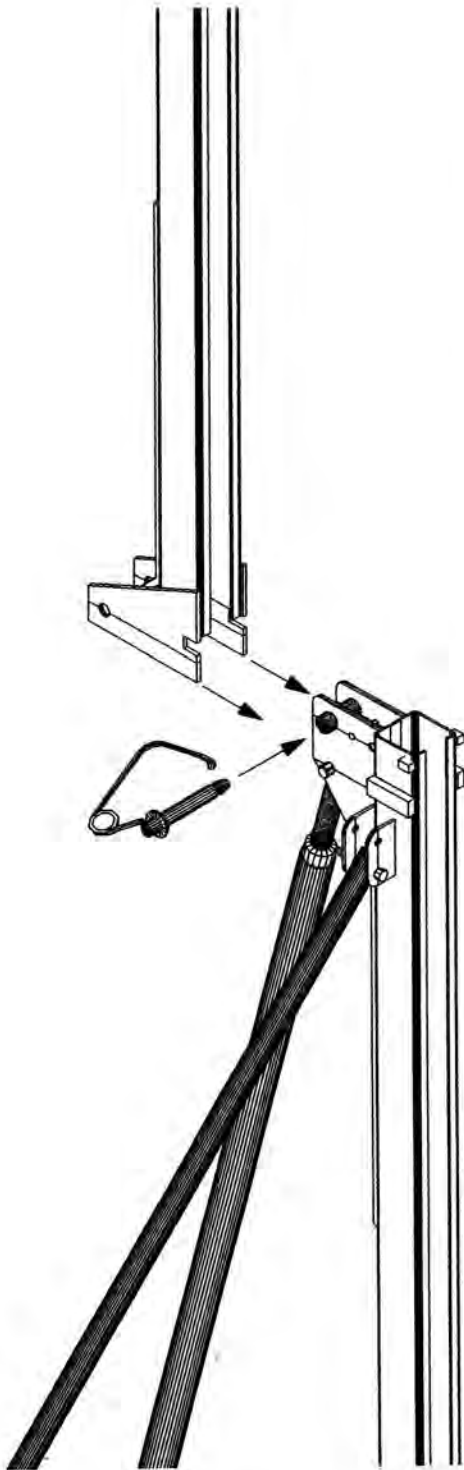
If you are using two Intermediate Levels, the lower one is raised & lowered in the same manner as the upper one. Detach Link Snap from upper I/L lift arm and reattach to lower platform. Repeat procedures for raising and lowering.

In addition to the rope, the Intermediate Level lift arms are provided with a cable, sheathed in vinyl tubing, to lower the platform the final few feet, if so desired. To lower, raise platform slightly, grasping the cable and angled brace squeeze cable to disengage pawl from notches and carefully let platform down to desired height. Then release cable to engage pawl in notch or remove from unit.

NOTE: When you lower the Intermediate Level down to the bottom 2 stops (winch bolts) of the upright, you are not able to move the main (2'x20') platform because the winch handle will not clear the I/Level platform.



6 FT. UPRIGHT EXTENSION ASSEMBLY



1. To attach, place extensions, x-brace pipes & ladder extension on the platform and raise platform to within a foot of the top of the uprights. Two 3/8" & two 3/4" safety pins should be stored on the extensions when not in use. This way they are readily available when installing extensions.

2. Climb ladder, step onto platform & close gate. To prevent possible injury from falling objects, the area below the work platform shall be clear of workman while the upright extension assembly is being attached. While standing on platform, remove hairpin cotter from rear upright and pull up enough slack(2-3 ft.) in the cable to lay cable off the the side of upright.

3. Remove 3/4" pin from rear extension. With a firm grip, stand up extension, slide into place on top of the upright & secure with 3/4". Pull up enough cable slack to place cable on sheave at the top of the upright extension and insert hairpin cotter at top of extension. Repeat procedure to install the front upright extension.

NOTE: Rear extension has ladder bracket.

4. Pin one extension x-brace, at a time, to the top of each extension using 3/8" safety pins provided. Reach down and "walk" the bottom of an x-brace to the other upright and secure to the top pin holes of the upright head section using a 3/8" safety pin. Repeat with other extension x-brace. These 2 - 3/8" pins should be stored in these holes when the upright extensions are not being used.

5. Install ladder extension on rear upright extension. The tabs at the bottom of the extension ladder should be started into the top end of the main ladder before securing upper ladder rung/safety toggle into ladder bracket on extension. TOGGLE SHOULD BE KEPT FREE AND NONBINDING.

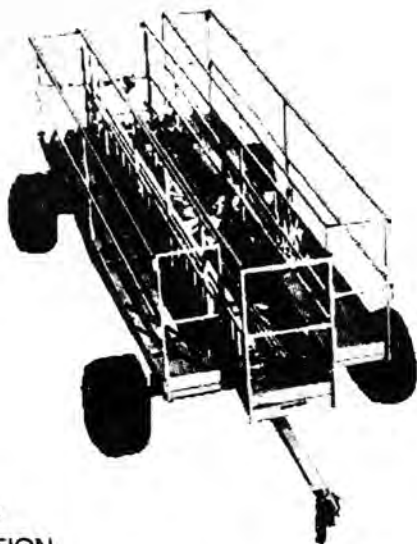
SPECIAL NOTE:

STORE 3/4" SAFETY PINS FOR EXTENSIONS ON THE EXTENSIONS, NOT ON THE TOP OF THE UPRIGHTS. NEVER SET UP THE UNIT WITH THE 6' EXTENSIONS ATTACHED TO THE UPRIGHTS. ALWAYS ATTACH THEM AFTER THE UNIT HAS BEEN SET UP.

WINCH NOTICE

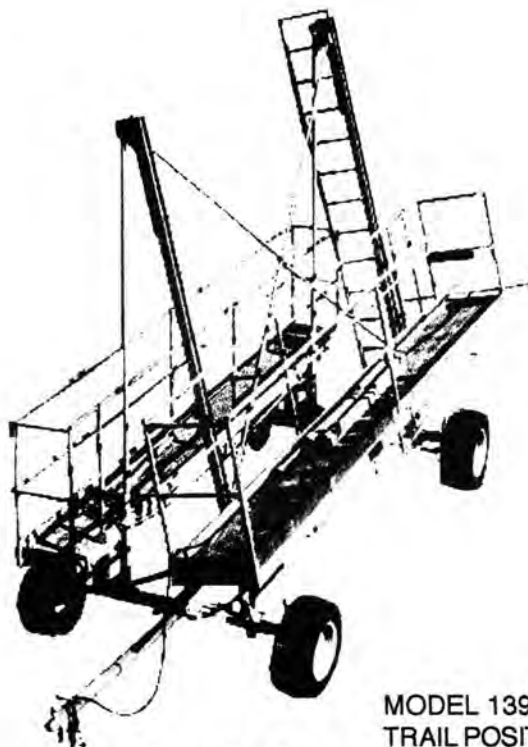
The winches provided for use on these units have a friction pad to prevent or lessen spooling of the cables. The winches are still free spooling with respect to supporting the platforms. The notch systems is still the method of support for the platforms.

TRANSPORTING YOUR WORK PLATFORM



MODEL 195
TRAIL POSITION

Shown above is an example of a Model 195 in trail position for highway tow. The example consists of a Model 195 with optional wide tires, 2" Ball hitch, and 2 Intermediate Levels. Saddle weights are not shown. Counter weights are not to be left on unit when towing and should be transported separately.



MODEL 139
TRAIL POSITION

Shown above is an example of a Model 139 in trail position for highway tow. The example consists of a Model 139 with optional wide tires, 2" Ball hitch, 1 Intermediate Level, and a Light Bar. To tow, in Trail Position, adjusting arm threads must be screwed completely in to give a clearance of approximately 13 ft. 5 in.

When readying for tow behind a vehicle, be sure REAR STEERING TONGUE IS LOCKED DOWN IN PLACE.

ADDITIONAL WINCH OPERATING INSTRUCTIONS

When lowering the platform(s) only 1 person should be operating the winch and release rope for each winch. The operator should NOT be under the platform. The operator should firmly grip the winch in one hand and the rope with the other hand. If you lose your grip on the winch, release the rope.

DO NOT ALLOW ANYONE EXCEPT THE WINCH OPERATOR TO HOLD THE ROPE WHILE LOWERING THE PLATFORM(S).

TREATED LUMBER NOTICE

Treated lumber is used for the decking and toe boards. It may contain chromated copper arsenate or micronized copper quaternary. **IMPORTANT INFORMATION:** *Do not burn preserved wood * Do not use preserved wood as mulch *Treated or untreated wood dust may cause eye, skin & respiratory irritation *Some untreated wood species may cause allergic skin or respiratory effects in sensitized individuals *Wear dust mask & goggles when cutting or sanding wood *Wear gloves when work with wood *Prolonged contact with treated wood during construction or use may cause skin irritation *Some preservative may migrate into the soil/water or dislodge from wood.