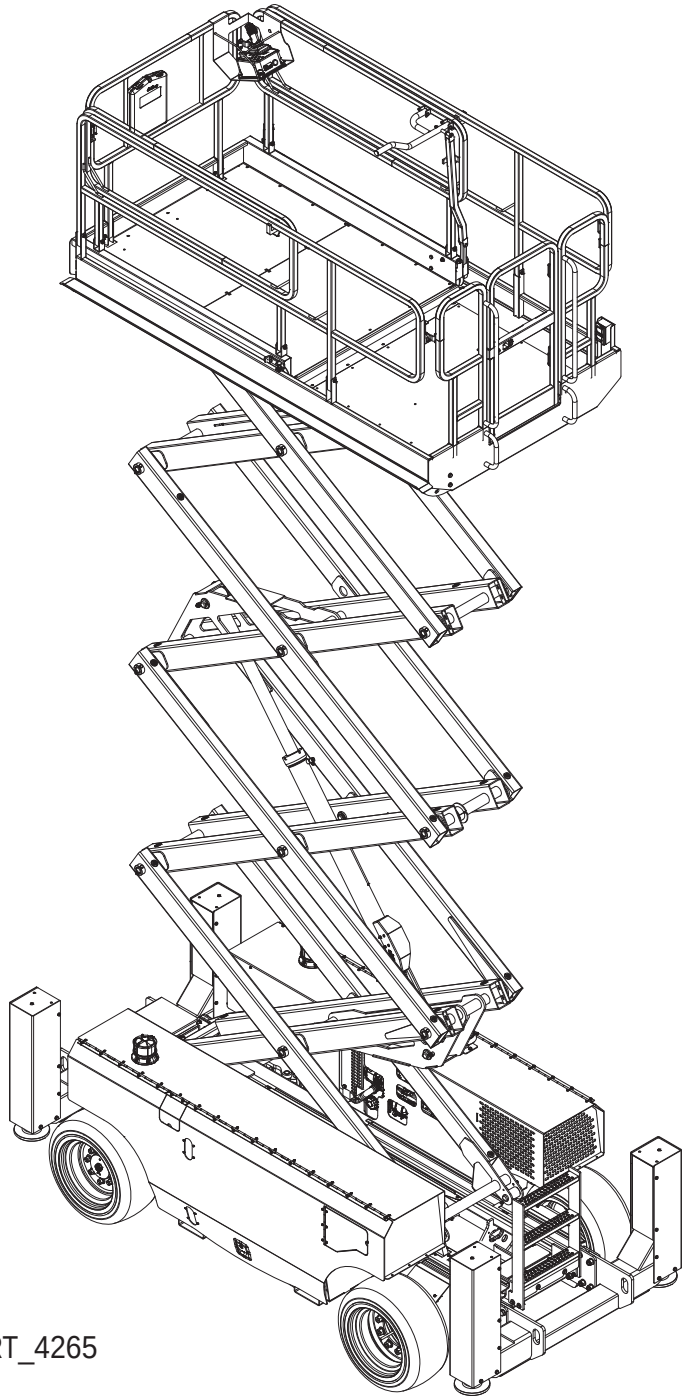
Operator's Manual

69 Series



ART_4265

RT - Internal Combustion
ERT - Electric

3369ERT Serial Number Range 13200200 - Up
3369RT Serial Number Range 13300200 - Up
4069ERT Serial Number Range 13700200 - Up
4069RT Serial Number Range 13800200 - Up

This manual applies to machines ANSI A92.20-2020 and CSA B354.6-2019.

Part # 43443
September 2021

Revision History

Date	Reason for Update
February 2019	New Release
September 2020	Update to ANSI 92.20-2020
June 2021	Updated To Include Dual Fuel

MEC Aerial Work Platforms

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Table of Contents

Introduction

This Operator's Manual has been designed to provide you, the owner, user or operator, with the instructions and operating procedures essential to properly and safely operate your MEC Aerial Work Platform for positioning personnel, along with their necessary tools and materials, to overhead work locations.

This Operator's Manual and other manuals provided by MEC on the machine must be read and understood prior to operating your MEC Aerial Work Platform. The operator should not accept operating responsibility until he/she has read and understands the operator's manual as well as having operated the MEC Aerial Work Platform under supervision of an authorized, trained and qualified operator.

It is essential that the operator of the aerial work platform is not alone at the workplace during operation.

Modifications of this machine from the original design and specifications without written permission from MEC are strictly forbidden. A modification may compromise the safety of the machine, subjecting the platform occupants and personal around the machine to serious injury or death.

Your MEC Aerial Work Platform has been designed, built, and tested to provide safe, dependable service. Only authorized, trained and qualified personnel shall be allowed to operate or service the machine.

MEC, as manufacturer, has no direct control over machine application and operation. Proper safety practices are the responsibility of the owner, user and operator.

If there is a question on application and/or operation contact:

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Safety

DO NOT operate this machine until you have read and understood this manual, have performed the Workplace Inspection, Pre-Start Inspection and Routine Maintenance, and have completed all the test operations detailed in the Operating Instructions section.

Failure to read, understand and follow all safety rules, warnings, and instructions could result in serious injury or death. For your safety and the safety of those around you, you must operate your machine as instructed in this manual.

MEC designs aerial work platforms to safely and reliably position personnel, along with their necessary tools and materials, at overhead work locations. The owner/user/operator of the machine should not accept responsibility for the operation of the machine unless properly trained.

ANSI and other applicable standards identify requirements of all parties who may be involved with self-propelled elevating work platforms. The Manual of Responsibilities is considered a part of this machine and can be found in the manual compartment, located at the platform control station. To ensure safe use of machine, inspections and training specified in ANSI/SIA A92.22 & A92.24 must be performed at designated intervals as prescribed.

WARNING

This product can expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to **www.p65warnings.ca.gov.**

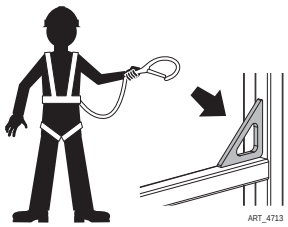
Safety Alert Symbols & Fall Protection

MEC manuals and decals use symbols, colors and signal words to help you recognize important safety, operation and maintenance information.

DANGER	**RED and the word DANGER – Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.**
WARNING	**ORANGE and the word WARNING – Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**
CAUTION	**YELLOW with alert symbol and the word CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.**
CAUTION	**YELLOW without alert symbol and the word CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in property damage.**
NOTICE	**GREEN and the word NOTICE – Indicates operation or maintenance information.**

Fall Protection

Operators must comply with employer, job site and governmental rules regarding the use of personal protective equipment.



If required by your employer or job site, use personal fall protection equipment (PFPE) when operating this machine.

All PFPE must comply with applicable governmental regulations, and must be inspected and used in accordance with the PFPE manufacturer’s instructions.

Fall restraint must be properly attached to a designated anchorage point when driving or operating the machine. Attach only one fall restraint to each anchorage point.

RT Machine Specifications

		3369RT		4069RT	
Height, Working Maximum*		38 ft 10 in	12 m	46 ft 4 in	14.3 m
Height, Platform Maximum		33 ft	10 m	40 ft	12 m
Height, Stowed Maximum Rails Up		8 ft 6 in	2.59 m	8 ft 11 in	2.74 m
Height, Stowed Maximum Rails Folded		5 ft 11 in	1.82 m	6 ft 5 in	1.97 m
Width, Standard Tires		5 ft 9 in	1.76 m	5 ft 9 in	1.76 m
Length, Platform Retracted Models Without Outriggers		10 ft 6 in		3.19 m	
Length, Platform Retracted Models With Outriggers		12 ft 7 in		3.84 m	
Length, Platform Extended Models Without Outriggers		14 ft 9 in		4.51 m	
Length, Platform Extended Models With Outriggers		15 ft 9 in		4.81 m	
Platform Dimensions Platform Length × Width		9 ft 5 in × 4 ft 11 in		2.88 × 1.52 m	
Platform Extension Length		4 ft 8 in		1.43 m	
Maximum Load Capacity		1,000 lb	454 kg	800 lb	363 kg
Maximum Wind Speed		28 mph		12.5 m/s	
Wheelbase		7 ft 6 in		2.29 m	
Turning Radius (Outside)		15 ft 1 in		4.60 m	
Turning Radius (Inside)		6 ft 11 in		2.11 m	
Ground Clearance		9 $^{1}/_{2}$ in		24 cm	
Machine Weight**		See Serial Plate (Machine weights vary with option configurations)			
Controls		Proportional			
AC Outlet In Platform		Standard			
Maximum Hydraulic Pressure (Functions)		3,480 psi		240 bar	
Tire Size - Standard Tires		26 × 12-16.5			
Airborne Noise Emissions		<80dB; Maximum sound level at normal operating workstations (A-weighted)			
Gradeability		40%			
Maximum Person	Indoors	4		3	
	Outdoors	2		2	
Maximum Rack Capacity		300 lbs		136 kg	
Power System Voltage		12 Volt DC			
Maximum Side Load		90 lbs		400 N	
Maximum Working Slope		X-1.5°, Y-3.0°			
Drive speeds					
Stowed, Maximum		3.2 mph		5.0 km/h	
Platform Raised, Maximum		0.3 mph		0.45 km/h	
Floor loading information					
Tire Load, Maximum		4,254 lb	1,930 kg	4,872 lb	2,210 kg
Outrigger Load, Maximum		4,254 lb	1,930 kg	4,872 lb	2,210 kg
Tire Contact Pressure		137 psi	945.5 kPa	154 psi	1,065 kPa
Outrigger Contact Pressure		87 psi	602 kPa	98 psi	678 kPa
Occupied Floor Pressure		178 psf	8.5 kPa	198 psf	9.5 kPa

Meets requirements of ANSI A92.20-2020 and CSA B354.6-2019.
*Working Height adds 6 feet (2 m) to platform height.
**Weight may increase with certain options or country standards.

ERT Machine Specifications

		3369ERT		4069ERT	
Height, Working Maximum*		38 ft 10 in	12 m	46 ft 4 in	14.3 m
Height, Platform Maximum		33 ft	10 m	40 ft	12 m
Height, Stowed Maximum Rails Up		8 ft 6 in	2.59 m	8 ft 11 in	2.74 m
Height, Stowed Maximum Rails Folded		5 ft 11 in	1.82 m	6 ft 5 in	1.97 m
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Length, Platform Retracted Models Without Outriggers		10 ft 6 in		3.19 m	
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Platform Extension Length		4 ft 8 in		1.43 m	
Maximum Load Capacity		1,000 lb	454 kg	800 lb	363 kg
Maximum Wind Speed		28 mph		12.5 m/s	
Wheelbase		7 ft 6 in		2.29 m	
Turning Radius (Outside)		15 ft 11 in		4.85 m	
Turning Radius (Inside)		7 ft 0 in		2.15 m	
Ground Clearance		9 $^{1}/_{2}$ in		24 cm	
Power Source		8 batteries, 6V, 315AH			
System Voltage		48 Volt DC			
Machine Weight**		See Serial Plate (Machine weights vary with option configurations)			
Controls		Proportional			
AC Outlet In Platform		Standard			
Maximum Hydraulic Pressure (Functions)		3,480 psi		240 bar	
Tire Size - Standard Tires		26 × 12-16.5			
Airborne Noise Emissions		<70dB; Maximum sound level at normal operating workstations (A-weighted)			
Extension Deck Uphill*		40%			
Extension Deck Downhill*		15%			
Side Slope		15% (Note: Slope rating is subject to ground conditions and adequate traction.)			
Maximum Person	Indoors	4		3	
	Outdoors	2		2	
Maximum Rack Capacity		300 lbs		136 kg	
Maximum Side Load		90 lbs		400 N	
Maximum Working Slope		X-1.5°, Y-3.0°			
Drive Speeds					
Stowed Maximum, Forward		3.9 mph		6.3 km/h	
Stowed Maximum, Reverse		3.3 mph		5.4 km/h	
Platform Raised, Maximum		0.3 mph		0.45 km/h	
Floor Loading Information					
Tire Load, Maximum		4,254 lb	1,930 kg	4,872 lb	2,210 kg
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Meets requirements of ANSI A92.20-2020 and CSA B354.6-2019.
*Working Height adds 6 feet (2 m) to platform height.
**Weight may increase with certain options or country standards.

Safety Rules

WARNING **Failure to obey the instructions and safety rules in this manual will result in death or serious injury.**

Do Not Operate Unless:

1. You learn and practice the principles of safe machine operation contained in this operator's manual.
   - Avoid hazardous situations.
   - Know and understand the safety rules before going on to the next section.
   - Always perform a pre-operation inspection.
   - Always perform function tests prior to use.
   - Inspect the workplace.
   - Only use the machine as it was intended.
2. You read, understand and obey the manufacturer's instructions and safety rules— safety and operator's manuals and machine decals.
3. You read, understand and obey employer's safety rules and worksite regulations.
4. You read, understand and obey all applicable governmental regulations.
5. You are properly trained to safely operate the machine.

Intended Use

This machine is intended to be used only to lift personnel, along with their tools and materials to an aerial work site.

Safety Sign Maintenance

Replace any missing or damaged safety signs. Keep operator safety in mind at all times. Use mild soap and water to clean safety signs. Do not use solvent-based cleaners because they may damage the safety sign material.

Safety and Hazards

Electrocution Hazards

This machine is not electrically insulated and will not provide protection from contact with or proximity to electrical current.

Maintain safe distances from electrical power lines and apparatus in accordance with applicable governmental regulations and the following chart.

Voltage Phase to Phase	Minimum Safe Approach Distance Feet	Meters
0 to 300V	Avoid Contact	
300V to 50kV	10	3.05
50kV to 200kV	15	4.60
200kV to 350kV	20	6.10
350kV to 500kV	25	7.62
500kV to 750kV	35	10.67
750kV to 1,000kV	45	13.72

Allow for platform movement, electrical line sway or sag and beware of strong or gusty winds.

Keep away from the machine if it contacts energized power lines. Personnel on the ground or in the platform must not touch or operate the machine until energized power lines are shut off.

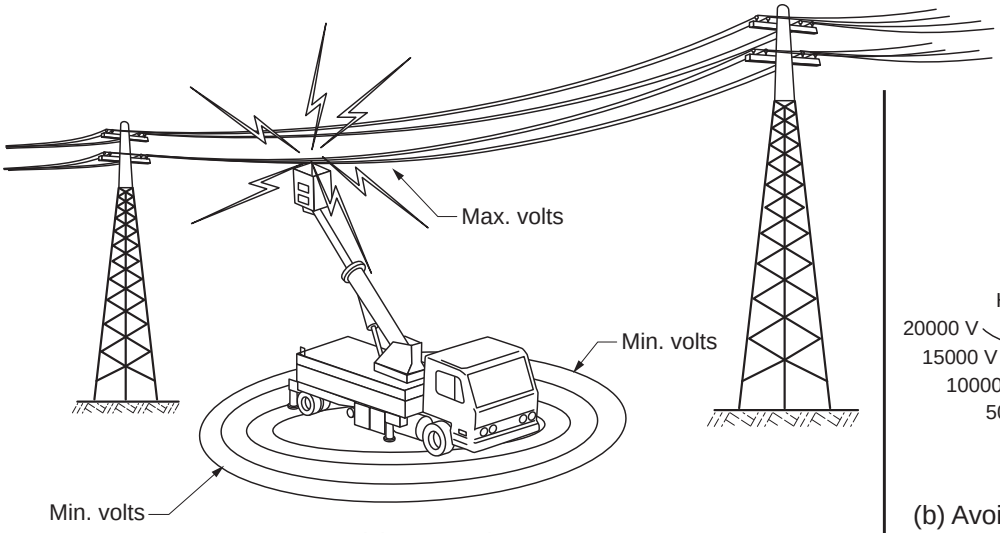
Do not operate the machine during lightning or storms.

Do not use the machine as a ground for welding.

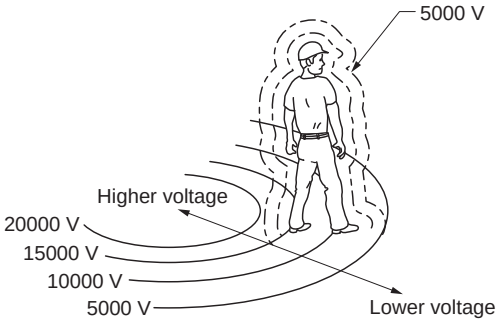
Minimum Safe Approach Distance

When working in the area of energized conductors the user shall direct and the operator shall comply with the requirements to:

a. Stay at least 10 feet away from power lines with any part of their body, conductive object or any part of the MEWP.
b. If work requires working nearer than 10 feet, stop and consult a qualified person with respect to electrical transmission and distribution to have appropriate measures taken (such as de-energizing and grounding).
c. If there is a question that the power lines may carry more than 50kV, consult a qualified person with respect to electrical transmission and distribution before proceeding.
d. If working or approaching closer than explained above, it shall only be done by a qualified person with respect to electrical transmission and distribution. Only qualified persons may work on electric circuit parts or equipment that has not been de-energized. Such persons shall be capable of working safely on energized circuits and shall be familiar with the proper use of special precautionary techniques, personal protective equipment, insulating and shielding materials and insulated tools.

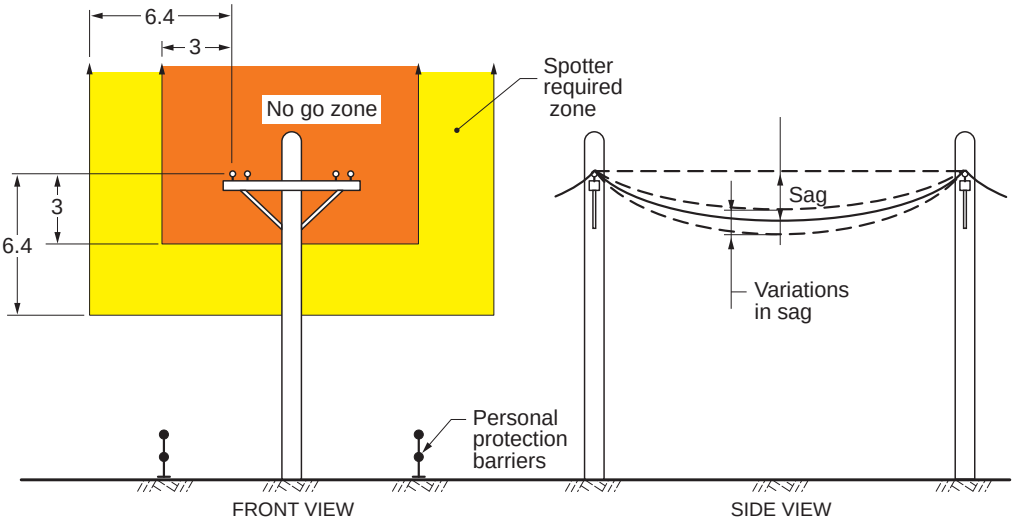


(a) Affected area

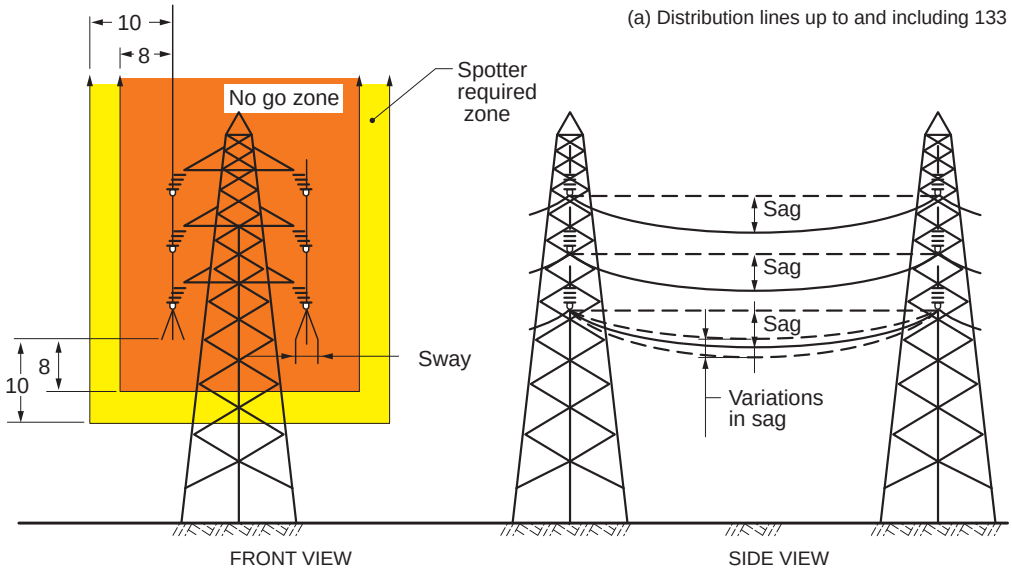


(b) Avoid simultaneous contact across areas of high potential difference

CLEARANCES FROM LIVE AERIAL CONDUCTORS



(a) Distribution lines up to and including 133 kV



(b) Transmission lines greater than 133 kV

LEGEND

= No shading, in the front views, indicates no proximity requirements

= Light shading indicates spotter is required

= Heavy shading indicates the NO GO ZONE

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Tip-over Hazards

Occupants, equipment and materials must not exceed the maximum platform capacity or the maximum capacity of the platform extension.

Maximum capacity	3369RT/ERT		4069RT/ERT	
Platform allowable maximum load	1,000 lb	454 kg	800 lb	363 kg
Extension deck allowable maximum load	300 lb	136 kg	300 lb	136 kg

Work Area Safety

Do not raise the platform unless the machine is on a firm, level surface.

Do not depend on the tilt alarm as a level indicator. The tilt alarm sounds on the chassis and in the platform when the machine is on a slope.

If the tilt alarm sounds:

- Lower the platform. Move the machine to a firm, level surface. If the tilt alarm sounds when the platform is raised, use extreme caution to lower the platform.

For outdoor use, do not raise the platform when wind speeds may exceed 28 mph (12.5 m/s). If wind speeds exceed 28 mph (12.5 m/s) when the platform is raised, lower the platform and do not continue to operate the machine.

Do not operate the machine in strong or gusty winds. Do not increase the surface area of the platform or the load when exposed to wind. Increasing the area exposed to the wind will decrease machine stability.

Do not use the platform controls to free a platform that is caught, snagged or otherwise prevented from normal motion by an adjacent structure. All personnel must be removed from the platform using another machine before attempting to free the platform using the ground controls.

Use extreme care and slow speeds while driving the machine in the stowed position across uneven terrain, debris, unstable or slippery surfaces and near holes and drop-offs.

Do not drive the machine on or near uneven terrain, unstable surfaces or other hazardous conditions with the platform raised.

Do not use the machine as a crane.

Do not place or attach fixed or overhanging loads to any part of this machine.

Do not push the machine or other objects with the platform.

Do not contact adjacent structures with the platform.

Do not alter or disable the limit switches.

Do not tie the platform to adjacent structures.

Do not transport tools and materials unless they are evenly distributed and can be safely handled by person(s) in the platform.

Do not alter or disable machine components that in any way affect safety and stability.

Do not replace items critical to machine stability with items of different weight or specification.

For ERT models, do not use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability. Each battery must weigh a minimum of 111 pounds (50.3 kg).

Lifting Hazard (ERT Models Only)

- Use the appropriate number of people and proper lifting techniques when lifting batteries.

Do not modify or alter an aerial work platform without prior written permission from the manufacturer.

Do not place ladders or scaffolds in the platform or against any part of this machine.

Do not use the machine on a moving or mobile surface or vehicle.

Be sure all tires are in good condition, air-filled tires are properly inflated and lug nuts are properly tightened.

Crushing Hazards

Keep hands and limbs out of scissors.

Keep hands clear when folding rails.

Use common sense and planning when operating the machine with the controller from the ground. Maintain safe distances between the operator, the machine and fixed objects.

Maintain a firm grasp on the platform rail when removing the rail pins. Do not allow the platform guard rails to fall.

Operation on Slopes Hazards

Do not drive the machine on a slope that exceeds the slope and side slope rating of the machine.

Slope rating applies to machines only in the stowed position.

Model	Maximum forward slope rating stowed position	Maximum side slope rating stowed position
3369RT	40%	10%
4069RT	40%	10%

Model	Extension Deck Uphill	Extension Deck Downhill	Side Slope
3369ERT	40%	15%	15%
4069ERT	40%	15%	15%

Note: Slope rating is subject to ground conditions and adequate traction.

Fall Hazards

The guard rail system provides fall protection. The platform contains multiple lanyard anchorage points. Attach only one (1) lanyard per lanyard anchorage point.

Do not sit, stand or climb on the platform guard rails. Maintain a firm footing on the platform floor at all times.

Do not climb down from the platform when raised.

Keep the platform floor clear of debris.

Close the entry gate before operating.

Do not operate the machine unless the guard rails are properly installed and the entry is secured for operation.

Do not enter or exit the platform unless the machine is in the stowed position.

Collision Hazards

Be aware of limited sight distance and blind spots when driving or operating.

Be aware of extended platform position(s) when moving the machine.


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Check the work area for overhead obstructions or other possible hazards.

Be aware of crushing hazards when grasping the platform guard rail.

Operators must comply with employer, job site and governmental rules regarding use of personal protective equipment.

Observe and use color-coded direction arrows on the platform controls for drive and steer functions.

Do not operate a machine in the path of any crane or moving overhead machinery unless the controls

of the crane have been locked out and/or precautions have been taken to prevent any potential collision.

No stunt driving or horseplay while operating a machine.

Do not lower the platform unless the area below is clear of personnel and obstructions.

Limit travel speed according to the condition of the ground surface, congestion, slope, location of personnel, and any other factors which may cause collision.

Component Damage Hazards

Do not use any battery or charger greater than the battery related voltage to charge the battery.

Do not use the machine as a ground for welding.

Explosion and Fire Hazards

Do not start the engine if you smell or detect liquid petroleum gas (LPG), gasoline, diesel fuel or other explosive substances. **(RT Models)**

Do not refuel the machine with the engine running. **(RT Models)**

Refuel the machine and charge the battery only in an open, well-ventilated area away from sparks, flames and lighted tobacco. **(RT Models)**

Do not operate the machine in hazardous locations or locations where potentially flammable or explosive gases or particles may be present.

Do not spray ether into engines equipped with glow plugs. **(RT Models)**

Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of the machine and test all functions before each work shift. Immediately tag and remove from service a damaged or malfunctioning machine.

Be sure all maintenance has been performed as specified in this manual.

Be sure all decals are in place and legible.

Be sure the operator’s manual is complete, legible and in the storage container located in the platform.

Bodily Injury Hazard

Always operate the machine in a well-ventilated area to avoid carbon monoxide poisoning.

Do not operate the machine with a hydraulic oil leak. A hydraulic leak can penetrate and/or burn skin.

Improper contact with components under any cover will cause serious injury. Only trained maintenance personnel should access compartments. Access by the operator is only advised when performing a pre-operation inspection. All compartments must remain closed and secured during operation.

Outrigger Safety

Do not lower the outriggers unless the machine is on a firm surface. Avoid drop-offs, holes, unstable or slippery surfaces and other possible hazardous conditions.

When the auto level function is not being used and the outriggers are being lowered individually, the steer-end outriggers must be lowered first.
Do not raise the platform unless the machine is level. Do not set the machine up on a surface where it cannot be leveled using only the outriggers.

Do not raise the platform unless all four outriggers are properly lowered, the footpads are in firm contact with the ground and the machine is level.

Do not adjust the outriggers while the platform is raised.

Do not drive while the outriggers are lowered.

Battery Safety

Burn Hazard

Batteries contain acid. Always wear protective clothing and eye wear when working with batteries.

Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

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Explosion Hazard

Keep sparks, flames and lighted tobacco away from batteries. Batteries emit explosive gas.

For ERT models, the battery tray should remain open during the entire charging cycle.

For ERT models, do not contact the battery terminals or the cable clamps with tools that may cause sparks.

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Electrocution/Burn Hazard (ERT Models Only)

Connect the battery charger to a grounded, AC 3-wire electrical outlet only.

Inspect daily for damaged cords, cables and wires. Replace damaged items before operating.

Avoid electrical shock from contact with battery terminals. Remove all rings, watches and other jewelry.

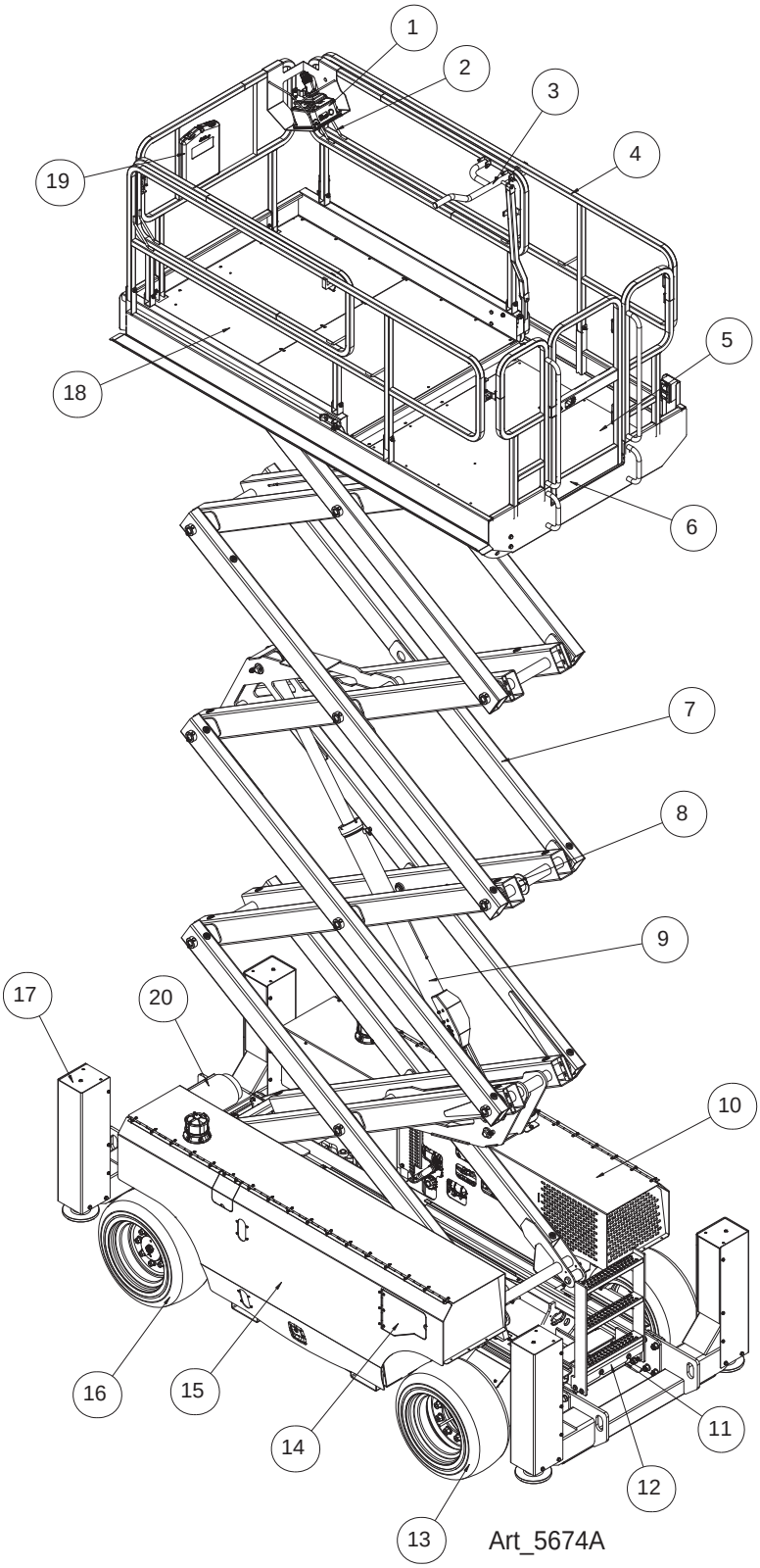
General Electrocution Hazard

Avoid contact with electrical terminals.

Lockout after Each Use

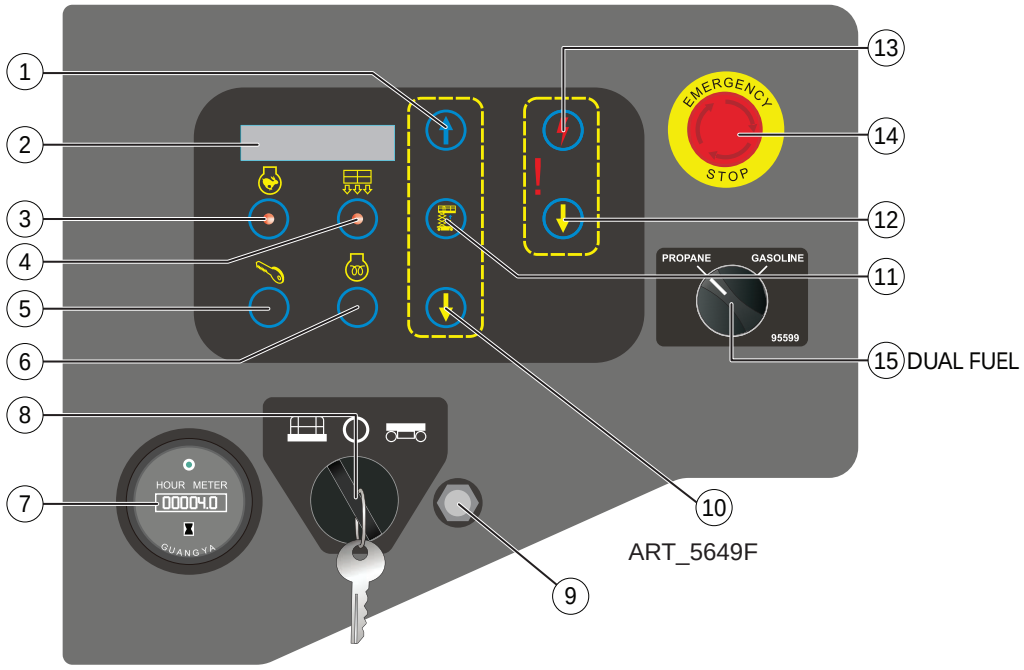
1. Select a safe parking location - firm level surface, clear of obstruction and traffic.
2. Lower the platform.
3. Turn the key switch to the OFF position and remove the key to secure from unauthorized use.
4. Push in the red Emergency Stop buttons to OFF position.
5. Push in the main power switch to OFF position
6. Charge the batteries. **(ERT Models Only)**

Component Locations



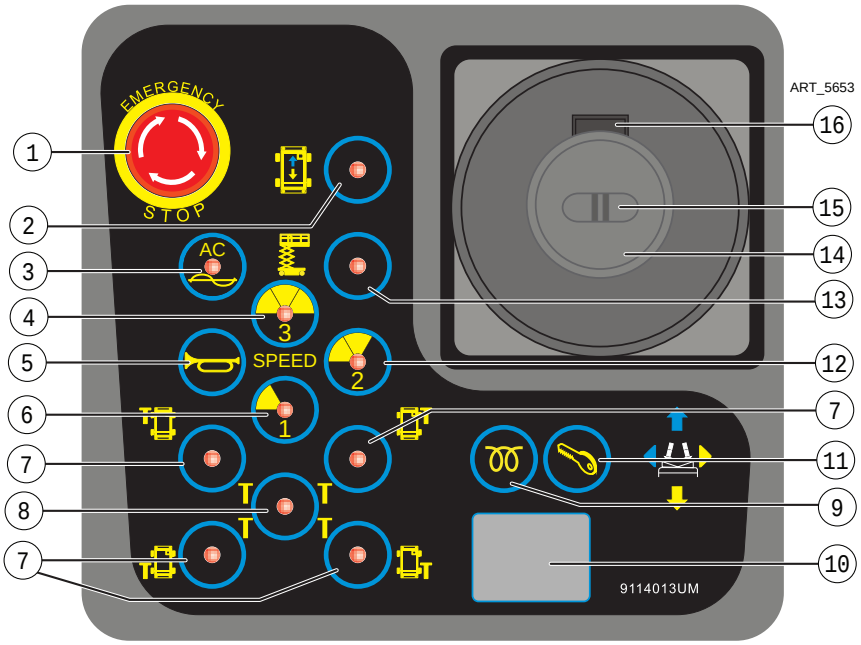
1) Platform Controls
2) Lanyard Anchorage Point
3) Platform Extension Lock Handle
4) Platform Guard Rails
5) Main Platform
6) Platform Entry Gate
7) Scissor Arms
8) Safety Arm
9) Lift Cylinder
10) Engine Tray (RT Model Only)
    Batteries Tray (ERT Model Only)
11) Emergency Lowering Knob
12) Entry Ladder
13) Non-steer Tire
14) Ground Controls
15) Hydraulic Tank Tray
16) Steer Tire
17) Outrigger Housing (If Equipped)
18) Platform Extension
19) Manual Storage Container
20) Propane Tank (4069RT Dual Fuel Only)

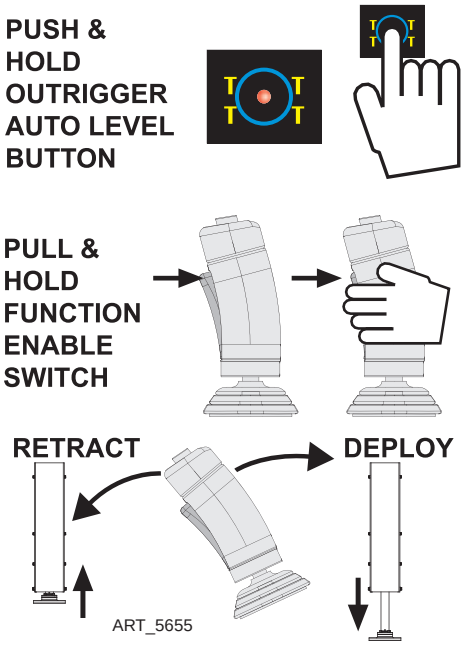
RT Model Ground Control Panel



Control		Description	
1	Platform Up Button	Press the Lift Function Enable Button (#11) and this button then the platform will lift.	
2	Display	Diagnostic readout	
3	Engine Idle Select Button	Press this button to select the engine idle setting. Light on indicates high idle is selected. Light off indicates low idle is selected.	
4	Overload Indicator Light	Light on indicates when platform is overloaded (If fitted).	
5	Engine Start Button	Press this button to start the engine.	
6	Engine Glow Plug (Diesel) Choke (Dual Fuel - Gasoline)	DIESEL	Press and hold for 5 seconds to allow heat up before staring.
		DUAL FUEL	Press for momentary choke.
7	Hour Meter	The hour meter displays the number of hours the machine has operated.	
8	Key Switch	Turn the key switch to the platform position and the platform controls will operate. Turn the key switch to the OFF position and the machine will be off. Turn the key switch to the base position and the ground controls will operate.	
9	Circuit Breaker	Trips when there is excessive electrical load. Push to reset.	
10	Platform Down Button	Press the Lift Function Enable Button (#11) and this button then platform will lower.	
11	Lift Function Enable Button	Press and hold this button along with the Platform Up Button or the Platform Down Button.	
12	Emergency Lowering Down Button	Press the Emergency Lowering Down Enable Button (#13) and this button then the platform will lower	
13	Emergency Lowering Down Enable Button	Press this button and the Emergency Lowering Down Button (#12) to activate the Emergency down function.	
14	Red Emergency Stop Button	Push in the red Emergency Stop button to the OFF position to stop all functions. Turn the red Emergency Stop button clockwise to the ON position to operate the machine.	
15	Propane/Gasoline Selector Switch (Dual Fuel Only)	PROPANE	Turn switch to the left to select propane.
		GASOLINE	Turn switch to the right to select gasoline.

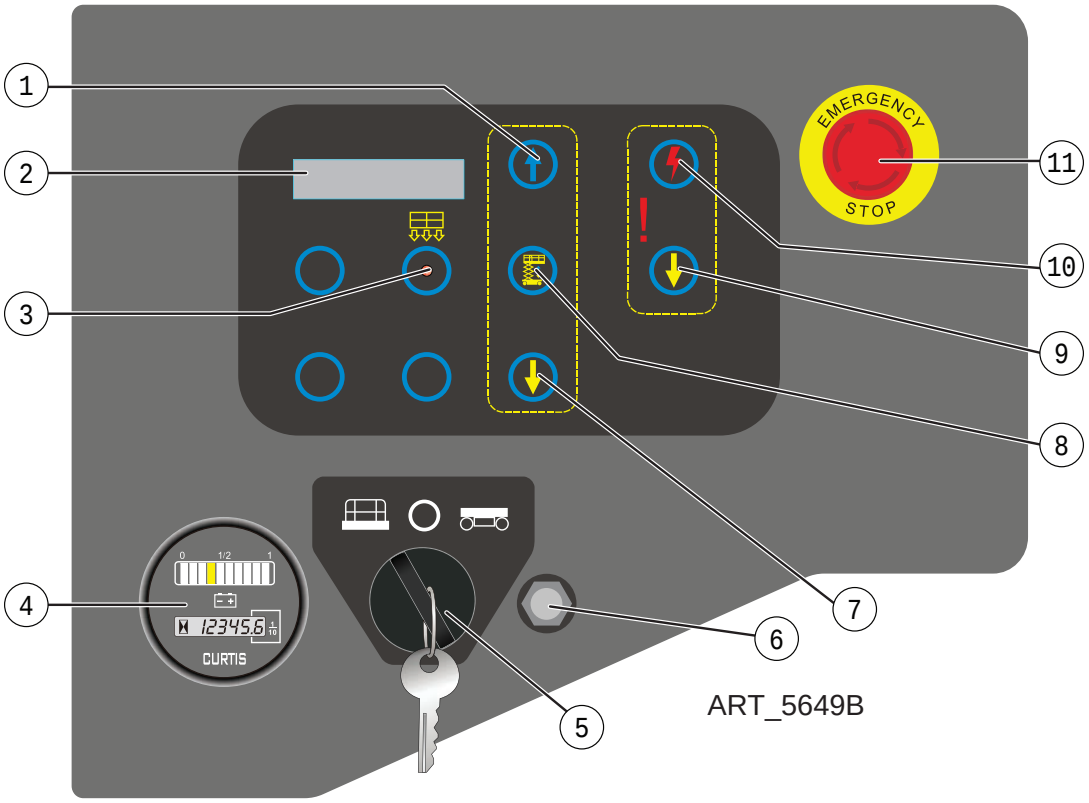
RT Model Upper Controls Panel





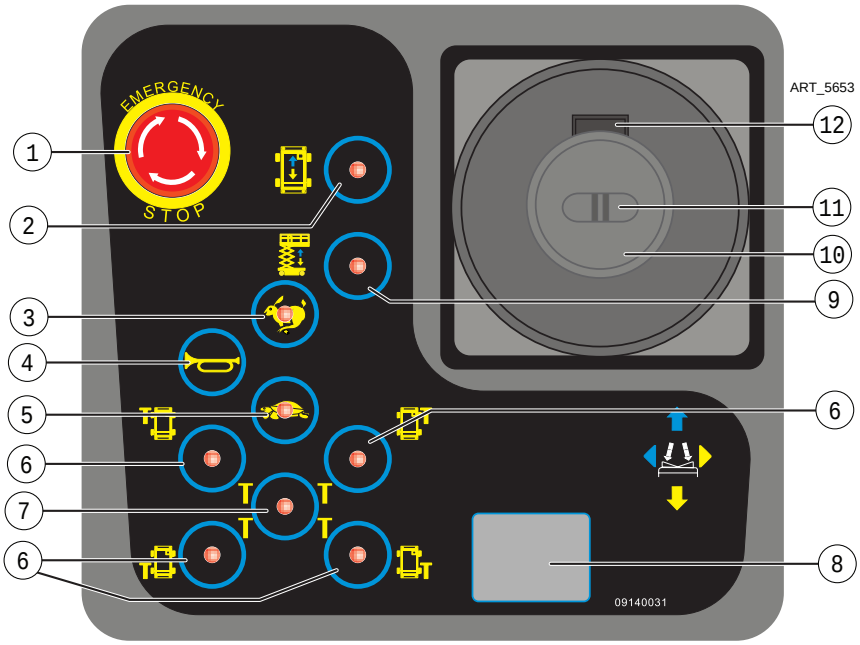
Control		Description
1	Red Emergency Stop Button	Push in the red Emergency Stop button to the OFF position to stop all functions. Pull out the red Emergency Stop button to the ON position to operate the machine.
2	Drive Function Select Button	Press this button to activate the drive function. The indicator light will turn on.
3	Generator Select Button (If Equipped)	Press this button to turn the generator on. Indicator light will be on. Press the button again to turn the generator off.
4	Speed 3	Fastest speed suitable only when on a smooth flat improved surfaces when conditions are safe.
5	Horn Button	Press this button and the horn will sound. Release the button and the horn will stop.
6	Speed 1	High torque drive which initiates traction control valves and should be used when driving on any slopes greater than 10% or over a rough surface.
7	Outrigger Function Button	Press this button to activate the represented individual outrigger up/down function.
8	Outrigger Auto Level Button	Press this button to activate the auto level function.
9	Engine Glow Plug Button	Press and hold this button to preheat engine.
10	LED Readout Screen	Diagnostic readout.
11	Engine Start Button	Press this button to start the engine.
12	Speed 2	Medium speed suited for driving on flat but unimproved surfaces.
13	Lift Function Select Button	Press this button to activate the lift function. The indicator light will turn on.
14	Proportional Control Handle	You must first select either Lift or Drive or Outrigger to activate selected function: **Lift function:** Press and hold the function enable switch to enable the lift function on the platform control handle. Pull the control handle in the direction of upwards and the platform will raise. Move the control handle in the direction of downwards and the platform will lower. The descent alarm should sound while the platform is lowering. **Drive function:** Press and hold the function enable switch to enable the drive function on the platform control handle. Move the control handle in the direction indicated by the blue arrow on the control panel and the machine will move in the direction that the blue arrow points. Move the control handle in the direction indicated by the yellow arrow on the control panel and the machine will move in the direction that the yellow arrow points. **Outrigger extendable / retractable function:** Press and hold the function enable switch to enable the Outrigger extend/ retract function on the platform control handle. Pull the control handle backwards in the direction indicated by the yellow arrow and the outrigger will extend. Move the control handle in the direction indicated by the blue arrow and the outrigger will retract.
15	Thumb Rocker Switch	Press the thumb rocker switch in a direction to activate steer function according to the blue and yellow steer arrows.
16	Function Enable Switch	Press and hold the function enable switch to enable the drive/lift function.

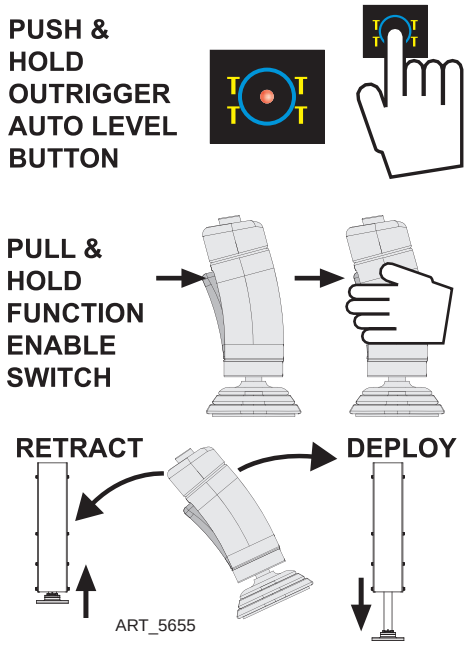
ERT Model Ground Control Panel



Control		Description
1	Platform Up Button	Press the Lift Function Enable Button (#8) and this button then the platform will lift.
2	Display	Diagnostic readout.
3	Overload Indicator Light	Light on indicates when platform is overloaded (If fitted).
4	Battery Gauge & Hour Meter	The battery gauge & hour meter displays the number of hours the machine has operated and the battery level.
5	Key Switch	Turn the key switch to the platform position and the platform controls will operate. Turn the key switch to the OFF position and the machine will be off. Turn the key switch to the base position and the ground controls will operate.
6	Circuit Breaker	Trips when there is excessive electrical load. Push to reset.
7	Platform Down Button	Press the Lift Function Enable Button (#8) and this button then platform will lower.
8	Lift Function Enable Button	Press and hold this button along with the Platform Up Button or the Platform Down Button.
9	Emergency Lowering Down Button	Press the Emergency Lowering Down Enable Button (#10) and this button then the platform will lower.
10	Emergency Lowering Down Enable Button	Press this button and the Emergency Lowering Down Button (#19) to activate the Emergency down function.
11	Red Emergency Stop Button	Push in the red Emergency Stop button to the OFF position to stop all functions. Turn the red Emergency Stop button clockwise to the ON position to operate the machine.

ERT Model Upper Controls Panel





Control		Description
1	Red Emergency Stop Button	Push in the red Emergency Stop button to the OFF position to stop all functions. Pull out the red Emergency Stop button to the ON position to operate the machine.
2	Drive Function Select Button	Press this button to activate the drive function. The indicator light will turn on.
3	High Speed Select Button	Fastest speed suitable only when on a smooth flat improved surfaces when conditions are safe.
4	Horn Button	Press this button and the horn will sound. Release the button and the horn will stop.
5	Torque Speed Select Button	High torque drive which initiates traction control valves and should be used when driving on any slopes greater than 10% or over a rough surface.
6	Outrigger Function Button	Press this button to activate the represented individual outrigger up/down function.
7	Outrigger Auto Level Button	Press this button to activate the auto level function.
8	LED Readout Screen	Diagnostic readout.
9	Lift Function Select Button	Press this button to activate the lift function. The indicator light will turn on.
10	Proportional Control Handle	You must first select either Lift or Drive or Outrigger to activate selected function: **Lift function:** Press and hold the function enable switch to enable the lift function on the platform control handle. Pull the control handle in the direction of upwards and the platform will raise. Move the control handle in the direction of downwards and the platform will lower. The descent alarm should sound while the platform is lowering. **Drive function:** Press and hold the function enable switch to enable the drive function on the platform control handle. Move the control handle in the direction indicated by the blue arrow on the control panel and the machine will move in the direction that the blue arrow points. Move the control handle in the direction indicated by the yellow arrow on the control panel and the machine will move in the direction that the yellow arrow points. **Outrigger extendable / retractable function:** Press and hold the function enable switch to enable the Outrigger extend/ retract function on the platform control handle. Pull the control handle backwards in the direction indicated by the yellow arrow and the outrigger will extend. Move the control handle in the direction indicated by the blue arrow and the outrigger will retract.
11	Thumb Rocker Switch	Press the thumb rocker switch in a direction to activate steer function according to the blue and yellow steer arrows.
12	Function Enable Switch	Press and hold the function enable switch to enable the drive/lift function.

Pre-Operation Inspection

Do Not Operate Unless:

- You learn and practice the principles of safe machine operation contained in this operator's manual.
  1. Avoid hazardous situations.
  2. **Always perform a pre-operation inspection.**
  3. **Know and understand the pre-operation inspection before going on to the next section.**
  4. Inspect the workplace.
  5. Always perform function tests prior to use.
  6. Only use the machine as it was intended.

Fundamentals

It is the responsibility of the operator to perform a pre-operation inspection and routine maintenance.

The pre-operation inspection is a visual inspection performed by the operator prior to each work shift. The inspection is designed to discover if anything is apparently wrong with a machine before the operator performs the function tests.

The pre-operation inspection also serves to determine if routine maintenance procedures are required. Only routine maintenance items specified in this manual may be performed by the operator.

Refer to the list on the next page and check each of the items.

If damage or any unauthorized variation from factory delivered condition is discovered, the machine must be tagged and removed from service.

Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications. After repairs are completed, the operator must perform a pre-operation inspection again before going on to the function tests.

Scheduled maintenance inspections shall be performed by qualified service technicians, according to the manufacturer's specifications and the requirements listed in this manual.

Pre-Operation Inspection Report

	Be sure that the operator's, safety and responsibilities manuals are complete, legible and in the storage container located in the platform.
	Be sure that all decals are legible and in place. See Decals section.
	Check for engine oil leaks and proper oil level. Add oil if needed. See Maintenance section. **(RT Models)**
	Check for hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
	Check for engine coolant leaks and proper level of coolant. Add coolant if needed. See Maintenance section. **(RT Models)**
	Check for battery fluid leaks and proper fluid level. Add distilled water if needed. See Maintenance section.

Check the following components or areas for damage, improperly installed or missing parts and unauthorized modifications:

	Electrical components, wiring and electrical cables
	Hydraulic hoses, fittings, cylinders and manifolds
	Fuel and hydraulic tanks **(RT Models)**
	Drive motors
	Wear pads
	Tires and wheels
	Engine and related components **(RT Models)**
	Limit switches, alarms and horn
	Nuts, bolts and other fasteners
	Platform overload components
	Platform entry gate
	Brake release components
	Beacon (if equipped)
	Safety arm
	Platform extension(s)
	Scissor pins and retaining fasteners
	Platform control handle
	Generator (if equipped) **(RT Models)**
	Outrigger housings and footpads (if equipped) **(RT Models)**
	Pothole guard **(ERT Models)**
	Ground strap **(ERT Models)**
	Battery pack and connectors **(ERT Models)**

Check entire machine for:

	Cracks in welds or structural components
	Dents or damage to machine
	Excessive rust, corrosion or oxidation
	Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened
	Be sure guardrails are installed and bolts are fastened.
	Be sure that the chassis trays are closed and latched and the batteries are properly connected. **(ERT Models)**

Note: If the platform must be raised to inspect the machine, make sure the safety arm is in place. See Operating Instructions section.

Workplace Inspection

Do Not Operate Unless:

- You learn and practice the principles of safe machine operation contained in this operator's manual.
  1. Avoid hazardous situations.
  2. Always perform a pre-operation inspection.
  3. **Inspect the workplace.**
  4. **Know and understand the workplace inspection before going on to the next section.**
  5. Always perform function tests prior to use.
  6. Only use the machine as it was intended.

Fundamentals

The workplace inspection helps the operator determine if the workplace is suitable for safe machine operation. It should be performed by the operator prior to moving the machine to the workplace.

It is the operator's responsibility to read and remember the workplace hazards, then watch for and avoid them while moving, setting up and operating the machine.

Workplace Inspection

Be aware of and avoid the following hazardous situations:

- Drop-offs or holes
- Bumps, floor obstructions or debris
- Sloped surfaces
- Unstable or slippery surfaces
- Overhead obstructions and high voltage conductors
- Hazardous locations
- Inadequate surface support to withstand all load forces imposed by the machine
- Wind and weather conditions
- The presence of unauthorized personnel
- Other possible unsafe conditions

Function Tests

Do Not Operate Unless:

- You learn and practice the principles of safe machine operation contained in this operator's manual.
  1. Avoid hazardous situations.
  2. Always perform a pre-operation inspection.
  3. Inspect the workplace.
  4. **Always perform function tests prior to use.**
  5. **Know and understand the function tests before going on to the next section.**
  6. Only use the machine as it was intended.

Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service.

The operator must follow the step-by-step instructions to test all machine functions.

A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

At the Ground Controls

1. Select a test area that is firm, level and free of obstruction.
   - **ERT Models Only:** Make sure the battery pack is connected
2. Pull out main power switch to ON position.
3. Turn the ground red Emergency Stop button clockwise to the ON position. Pull out the platform red Emergency Stop button to the ON position.
4. Turn the key switch to ground control.
5. Observe the display on the ground controls.
   - **Result:** The display readout will come on and display SYSTEM READY.
6. **RT Models Only:** Start the engine. See Operating Instructions section.

Test Emergency Stop

1. Push in the ground red Emergency Stop button to the OFF position.
   - **RT Models:** The engine should turn off and no functions should operate.
   - **ERT Models:** No functions should operate.
2. Turn the red Emergency Stop button clockwise to the ON position.
   - **RT Models:** Restart the engine.

Test Up/Down Functions and Function Enable

A buzzer with different sound frequency is controlled in control system. The descent alarm sounds at 60 beeps per minute. The alarm that goes off when the machine is not level sounds at 180 beeps per minute. An optional automotive-style horn is also available.

1. Do not press the lift function enable button. Press and hold the platform up/down button.

- **Result:** No function should operate.

2. Press and hold the Lift function enable button. Press and hold the platform up button.
   - **Result:** The platform should rise.
3. Press and hold the lift function enable button. Press and hold the platform down button.
   - **Result:** The platform should lower the descent alarm should sound while the platform is lowering.

Note: Be sure the area below the platform is clear of personnel and obstructions before continuing.

Test the Auxiliary Lowering

1. Activate the up function and raise the platform approximately 3 feet (1 m).
2. Pull the emergency lowering knob located the entry ladder end.
   - **Result:** The platform should lower. The descent alarm will not sound.
3. **RT Models Only:** Restart the engine.

Test the Emergency Lowering

1. Activate the up function and raise the platform approximately 3 feet (1 m).
2. Push in the red Emergency Stop button to shut off the engine.
3. Turn the ground red Emergency Stop button clockwise to the ON position.
4. Press and hold the emergency lowering down enable button. Press and hold the emergency lowering down button.
   - **Result:** The platform should lower.
5. Turn the key switch to platform control.
   - **RT Models Only:** Restart the engine.

At the Platform Controls

Test Emergency Stop

1. Push in the platform red Emergency Stop button to the OFF position.
   - **Result:** No functions should operate.
2. Pull the red Emergency Stop button out to the ON position.
   - **Result:** The LED indicator light should come on.

Test the Horn

1. Push the horn button.
   - **Result:** The horn should sound.

Test Up/Down Functions and Function Enable

1. **RT Models Only:** Start the engine.
2. Do not hold the function enable switch on the control handle.
3. Slowly pull the control handle in the upwards direction, then push in the downwards direction.
   - **Result:** No functions should operate.
4. Press the lift function select button. The indicator light should turn on.
5. Press and hold the function enable switch on the control handle.
6. Slowly move the control handle in the upwards direction.
   - **Result:** The platform should raise.
7. Release the control handle.
   - **Result:** The platform should stop raising.
8. Press and hold the function enable switch. Slowly push the control handle in the downwards direction.

- **Result:** The platform should lower. The descent alarm should sound while the platform is lowering.

Test the Steering

Note: When performing the steer and drive function test, stand in the platform facing the steer end of the machine.

1. Press the drive function select button. The indicator light should turn on.
2. Press and hold the function enable switch on the proportional control handle. Depress the thumb rocker switch on top of the proportional control handle in the direction identified by the blue triangle on the control panel.
   - **Result:** The steer wheels should turn in the direction that the blue triangle points on the control panel.
3. Press and hold the function enable switch on the proportional control handle. Depress the thumb rocker switch in the direction identified by the yellow triangle on the control panel.
   - **Result:** The steer wheels should turn in the direction that the yellow triangle points on the control panel.

Test Drive and Braking

1. Press the drive function select button. The indicator light should turn on.
2. Press and hold the function enable switch on the proportional control handle.
3. Slowly move the proportional control handle in the direction indicated by the blue arrow on the control panel until the machine begins to move, then return the proportional control handle to the center position.
   - **Result:** The machine should move in the direction that the blue arrow points on the control panel, then come to a firm stop.
4. Press and hold the function enable switch on the proportional control handle.
5. Slowly move the proportional control handle in the direction indicated by the yellow arrow on the control panel until the machine begins to move, then return the proportional handle to the center position.
   - **Result:** The machine should move in the direction that the yellow arrow points on the control panel, then come to a firm stop.

Note: The brakes must be able to hold the machine on any slope it is able to climb.

Test Limited Drive Speed

1. Press the lift function select button. The indicator light should turn on. Raise the platform approximately 10 feet (3 m) from the ground.
2. Press the drive function select button. The indicator light should turn on.
3. Press and hold the function enable switch on the proportional control handle slowly move the proportional control handle to the full drive position.
   - **Result:** The maximum achievable drive speed with the platform raised should not exceed the creep speed of 0.5 mph (0.8 km/h).
   - **Result:** If the drive speed with the platform raised exceeds the creep speed, immediately tag and remove the machine from service.

Test the Tilt Sensor Operation

Note: Perform these tests from the ground with the platform controller. Do not stand in the platform. Take extra care when operating any drive function from the ground using the platform controller.

1. Fully lower the platform.
2. Drive both wheels on one side onto an 4 in (10 cm) block.
3. Raise the platform approximately 8 ft (2.5 m) from the ground.
   - **Result:** The platform should stop and the tilt alarm will sound at 180 beeps per minute. The platform controls LED readout should display LL.
4. Press the drive function select button. The indicator light should turn on.
5. Press and hold the function enable switch on the control handle.
6. Move the proportional control handle in the direction indicated by the blue arrow, then move the proportional control handle in the direction indicated by the yellow arrow.
   - **Result:** The drive function should not work in either direction.
7. Press the lift function enable button. The indicator light should turn on.
8. Lower the platform.
9. Drive the machine off the block.

Test Auxiliary Lowering From Upper Control Box

1. Push the lift function select button and raise the platform approximately 3 feet (1 m).
2. Push in the red Emergency Stop button to shut off the engine.
3. Pull out the red Emergency Stop button to the ON position.
4. Push the lift function select button. The indicator light should turn on.
5. Press and hold the function enable switch on the control handle. Push the proportional control handle in the downwards direction.
   - **Result:** The platform should lower.

Test the Outrigger System (if equipped)

1. Push and hold the auto level button. The indicator light should turn on.
2. Press and hold the function enable switch. Push the proportional control handle in the downwards direction.
   - **Result:** The outriggers will extend and level the machine. A beep will sound when the machine is level.
3. Push and hold the auto level button. The indicator light should turn on.
4. Press and hold the function enable switch. Pull the proportional control handle in the upwards direction.
   - **Result:** The outriggers should retract and return to the stowed position. A beep will sound when the outriggers are in the stowed position.

Test the Oscillate System

Note: Perform this test from the ground with the platform controller. Do not stand in the platform. Take extra care when operating any drive function from the ground using the platform controller

1. Start the engine from the platform controls. **(RT Models)**
2. Select the engine idle button to indicate high idle. Light on indicates high idle. **(RT Models)**

Test the Oscillate System (stowed position)

1. Drive the left steer tire up onto a 4 in (10 cm) high ramp.
   - **Result:** All four tires should maintain firm contact with the ground.
2. Drive the right steer tire up onto a 4 in (10 cm) high ramp.
   - **Result:** All four tires should maintain firm contact with the ground.

Note: Verify that there are no fault codes shown on ground control display.

Test the Oscillate System (elevated position)

1. Press the lift function select button. The indicator light should turn on. Raise the platform approximately 10 feet (3 m) from the ground.
2. Press the drive function select button. The indicator light should turn on.
3. Drive the left steer tire into a 4 in (10 cm) deep hole.
   - **Result:** All four tires should maintain firm contact with the ground.
4. Drive the right steer tire into a 4 in (10 cm) deep hole.
   - **Result:** All four tires should maintain firm contact with the ground.

Note: Verify that there are no fault codes shown on ground control display.

Operating Instructions

Do Not Operate Unless:

- You learn and practice the principles of safe machine operation contained in this operator's manual.
  1. Avoid hazardous situations.
  2. Always perform a pre-operation inspection.
  3. Inspect the workplace.
  4. Always perform function tests prior to use.
  5. **Only use the machine as it was intended.**

Fundamentals

This machine is a self-propelled hydraulic lift equipped with a work platform on the scissor mechanism. Vibrations emitted by these machines are not hazardous to an operator in the work platform. The machine can be used to position personnel with their tools and supplies at position above ground level and can be used to reach work areas located above and over machinery or equipment.

The Operating Instructions section provides instructions for each aspect of machine operation.

It is the operator's responsibility to follow all the safety rules and instructions in the operator's manual.

Using the machine for anything other than lifting personnel, along with their tools and materials, to an aerial work site is unsafe and dangerous.

Only trained and authorized personnel should be permitted to operate a machine. If more than one operator is expected to use a machine at different times in the same work shift, they must all be qualified operators and are all expected to follow all safety rules and instructions in the operator's manual. That means every new operator should perform a pre-operation inspection, function tests, and a workplace inspection before using the machine.

Emergency Stop

Push in the red Emergency Stop button to the OFF position at the ground controls or the platform controls to stop all machine functions and turn the engine off.

Repair any function that operates when either red Emergency Stop button is pushed in.

Emergency Lowering

1. Pull the emergency lowering knob.

Starting the Engine (RT Models)

1. At the ground controls, turn the key switch to the desired position.
2. Be sure both ground and platform control red Emergency Stop buttons are in the ON position.
3. Press the glow plug button for 5 seconds.
4. Press the engine start button.

If the engine fails to start after 15 seconds of cranking, determine the cause and repair any malfunction. Wait 60 seconds before trying to start again.

In cold conditions, 20°F (-6°C) and below, warm the engine for 5 minutes before operating to prevent hydraulic system damage.

In extreme cold conditions, 0°F (-18°C) and below, machines should be equipped with optional cold start kits. Attempting to start the engine when temperatures are below 0°F (-18°C) may require the use of a booster battery.

Operation from Ground

1. Turn the key switch to ground control.
2. Pull out the platform red Emergency Stop button to the ON position.
3. Turn and pull the ground red Emergency Stop button clockwise to the ON position.
4. Start the engine. **(RT Models Only)**
   - **ERT Models:** Be sure the battery pack is connected before operating the machine.

Dual Fuel Engine Operation

Fuel selection can be made before starting the engine or while engine is running. If fuel selection is made while engine is running, it is recommended to push the Rabbit Icon while switching between fuel supplies.

- Turn the Fuel Selector Switch to the desired fuel, PROPANE or GASOLINE.
- Press and hold the START button - release the button when the engine starts.
- Cold starts may require that the Glow Plug button which functions as a Choke for the Dual Fuel Engine to be pressed while pressing the START button, and is generally only needed for GASOLINE selection.

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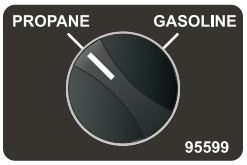

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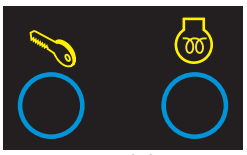

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To Position Platform

1. Press the lift function enable button.
2. Press the platform up/down button to activate the up function or the down function.

Drive and steer functions are not available from the ground controls.

Engine Idle Select (RT Models Only)

Select the engine idle (rpm) by pressing the button and with the engine and rabbit icon to extinguish the indicator light.

Operation from Platform

1. Turn the key switch to platform control.
2. Turn the ground red Emergency Stop button clockwise to the ON position
3. Pull out the platform red Emergency Stop button to the ON position.
4. Start the engine.

To Position Platform

1. Press the lift function select button. The indicator light should turn on.
2. Press and hold the function enable switch on the control handle.
3. Activate the proportional control handle in the desired direction.

To Steer

Press the drive function select button. The indicator light should turn on.

Press and hold the function enable switch on the control handle.

Turn the steer wheels with the thumb rocker switch located on the top of the control handle.

To Drive

1. Press the drive function select button. The indicator light should turn on.
2. Press and hold the function enable switch on the control handle.
   - **Increase speed:** Slowly move the control handle off center.
   - **Decrease speed:** Slowly move the control handle toward center.
   - **Stop:** Return the control handle to center or release the function enable switch.

Use the direction arrows on the platform controls to identify the direction the machine will travel.

Machine travel speed is restricted when the platform is raised.

For ERT models, the battery condition will affect machine performance. Machine drive speed and function speed will drop when the battery level indicator is flashing.

Drive speed select

The following drive speeds are only allowed when the machine is stowed. In elevated drive only a restricted creep speed is allowed.

- Speed 1 is the high torque drive which initiates traction control valves. This should be used when driving on any slopes greater than 10% or on rough ground.
- Speed 2 is a medium speed suited for driving on flat but unimproved surfaces.
- Speed 3 is the fastest speed suitable only when on a smooth flat improved surfaces when conditions are safe.

Driving on a slope

Determine the slope and side slope ratings for the machine and determine the slope grade.

Maximum forward slope rating, stowed position 40%. Maximum side slope rating, stowed position 10%.

Note: Slope rating is subject to ground conditions and adequate traction.

To determine the slope grade

Measure the slope with a digital inclinometer or use the following procedure.

You will need:

- Carpenter's level
- Straight piece of wood, at least 1 m long tape measure
- Lay the piece of wood on the slope.

At the downhill end, lay the level on the top edge of the piece of wood and lift the end until the piece of wood is level.

While holding the piece of wood level, measure the distance from the bottom of the piece of wood to the ground.

Divide the tape measure distance (rise) by the length of the piece of wood (run) and multiply by 100.

Example:

- Run = 3.6 m
- Rise = 0.3 m
- 0.3 m ÷ 3.6 m = 0.083 × 100 = 8.3%

If the slope exceeds the maximum slope or side slope rating, the machine must be winched or transported up or down the slope. See Transport and Lifting section.

To Extend and Retract Platform

1. Lift the platform extension lock handle to the horizontal position.
2. Push the platform extension lock handle to extend the platform to the desired position.

Note: Do not stand on the platform extension while trying to extend it.

3. Lower the platform extension lock handle.

Outrigger Operation (if equipped)

1. Position the machine below the desired work area. Ensure the surface is firm and clear of hazards.

Note: The engine must be running for the outriggers to operate.

2. Push and hold the outrigger auto level button. The indicator light should turn on.
3. Press and hold the function enable switch. Push the proportional control handle in the downwards direction. The outriggers will extend and level the machine. A beep will sound when the machine is level.

The indicator light on the lift function enable button will turn on when one but not all outriggers are down. All drive and lift functions are disabled.

The indicator lights on the lift function enable button and on the individual outrigger buttons will turn off when all the outriggers are in firm contact with the ground.

The drive function is disabled while the outriggers are down.

To control individual outriggers

1. Push and hold one or more outrigger function enable buttons.
2. Press and hold the function enable switch. Push the proportional control handle in the downwards direction. The selected outrigger will extend.

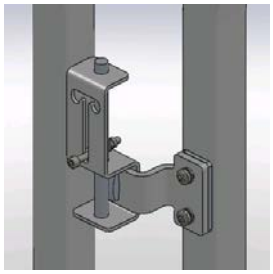
How to use the Safety Arm

1. Raise the platform approximately 13 feet (4 m) from the ground.
2. Lift the safety arm, move it to the center of the scissor arm and rotate up to a vertical position.
3. Lower the platform until the safety arm just begins to support the link. Keep clear of the safety arm when lowering the platform.

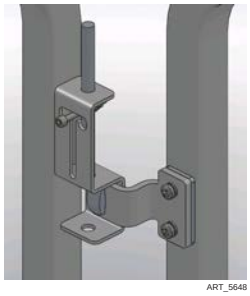
DANGER **Don’t engage the safety arm unless the platform is unloaded.**

How to Fold Down the Guardrails

The platform railing system consists of three fold down rail sections for the extension deck and three sections for the main deck. All sections are held in place by four latches.



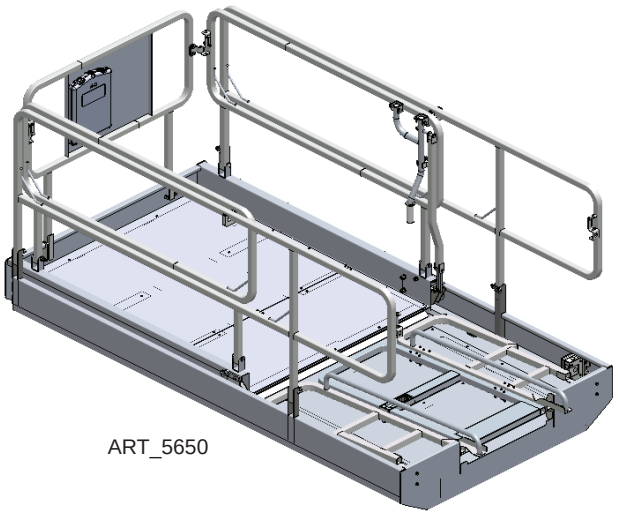
Closed Latch



Open Latch

1. Fully lower the platform and retract the platform extension.
2. Remove the platform controls.
3. Opening the latches in the corners the rails have to be folded in correct order of the numbering.

1



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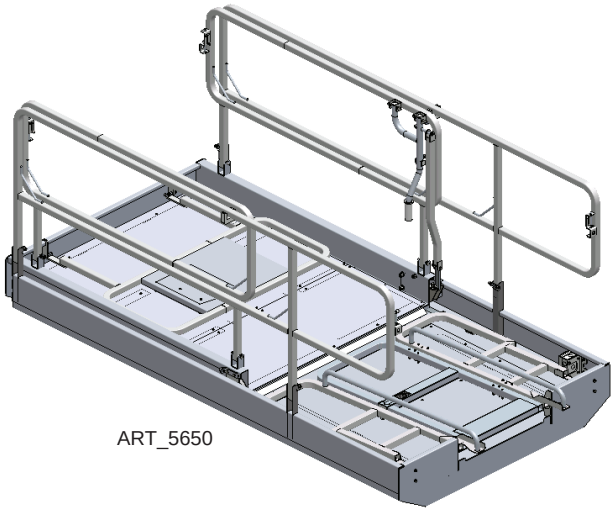

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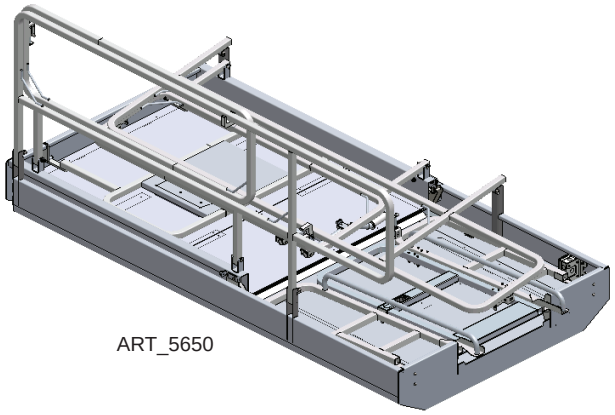
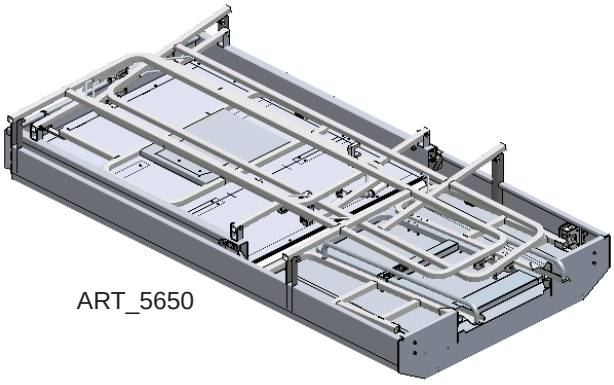


ART_5650

4



ART_5650

How to Raise the Guardrails

Follow the fold down instructions but in reverse order.

After Each Use

1. Select a safe parking location - firm level surface, clear of obstructions and traffic.
2. Lower the platform.
3. Turn the key switch to the OFF position and remove the key to secure from unauthorized use.
4. Push in the red Emergency Stop buttons to OFF position.
5. Push in the main power switch to OFF position.
6. Charge the batteries. **(ERT Models Only)**

Maintenance Lock

DEATH OR SERIOUS INJURY HAZARD!

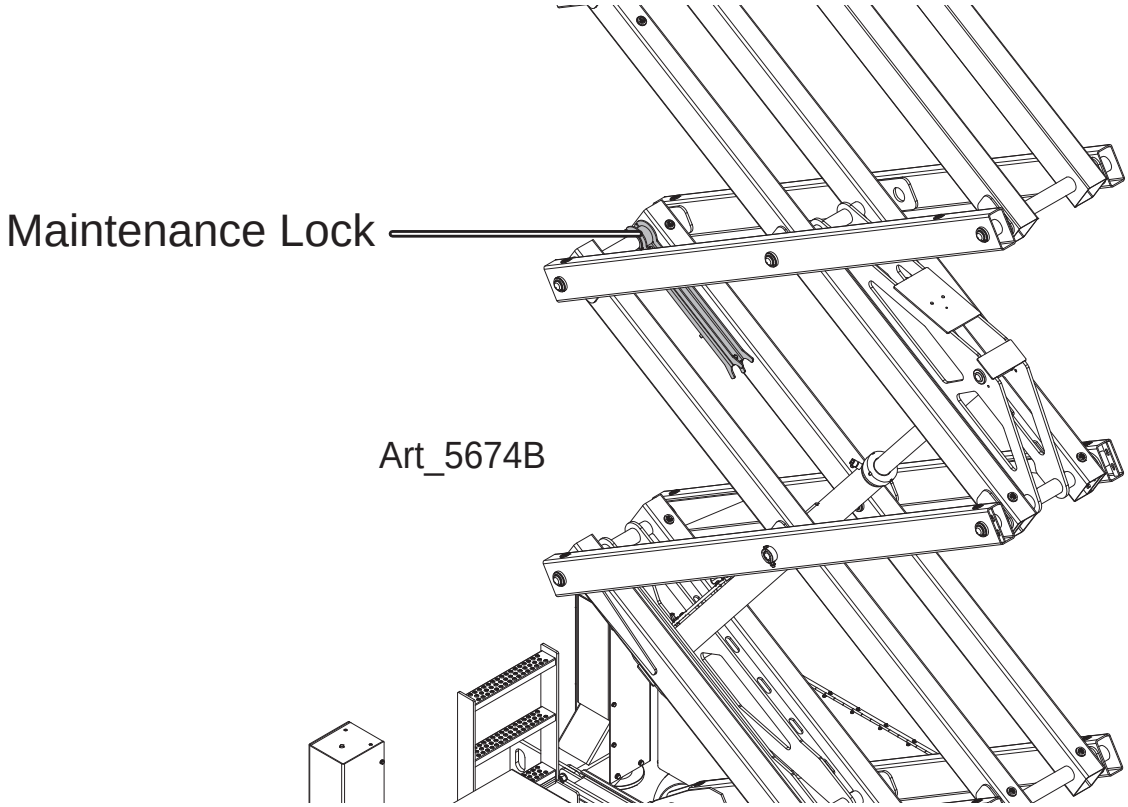
DANGER

NEVER perform work or inspection on the machine with the platform elevated without first blocking the scissor assembly with the Maintenance Lock.

DO NOT engage the Maintenance Locks unless the platform in empty of tools and material.

The Maintenance Lock is located at the rear of the scissor stack.

1. Raise the platform approximately just high enough to rotate the Maintenance Lock into place.
2. Rotate the Maintenance Lock away from the machine and let it hang down.
3. Lower the platform until the Maintenance Lock rests securely on the link. Keep clear of the Maintenance Lock when lowering the platform.



Battery Charging

The charger surface can get hot while operating. Contact with the skin or surrounding materials should be avoided.

WARNING

To reduce the risk of an electric shock, connect only to a properly grounded single-phase (3 wire) outlet.

Do not use an external charger or booster battery.

Charge the battery in a well-ventilated area.

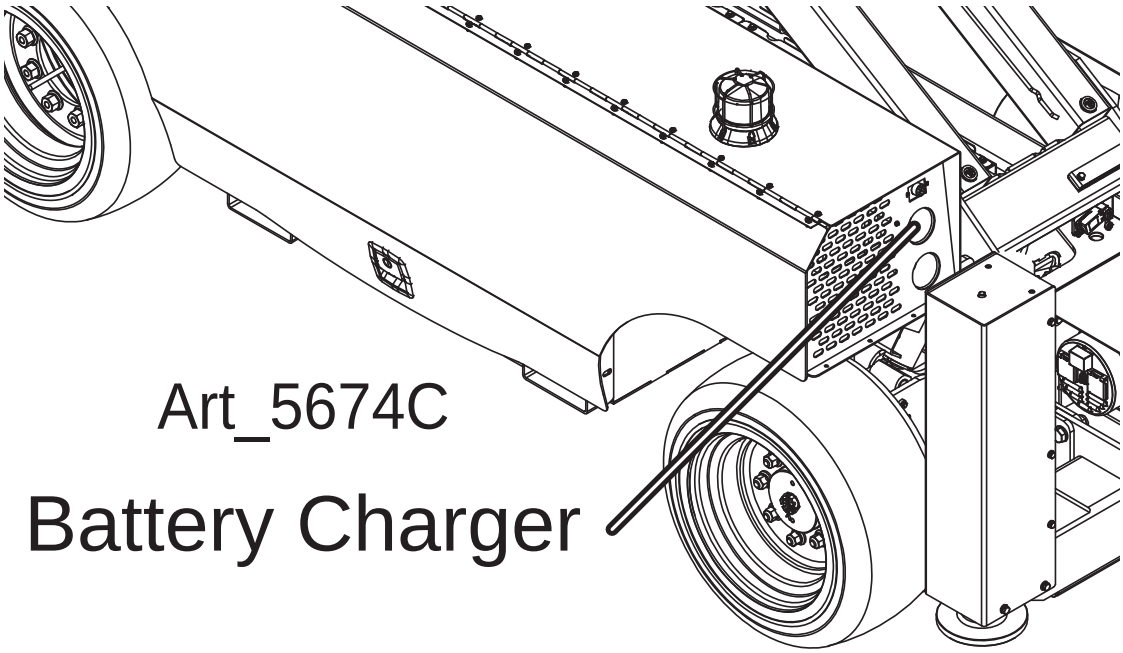
CAUTION

Use proper AC input voltage for charging as indicated on the machine.

Use only MEC authorized batteries and chargers.

IMPORTANT: Be sure to disconnect the charger from the outlet before attempting to operate the unit.

The charger will indicate the status of the charge cycle.



Transport and Lifting Instructions

Observe and Obey:

1. Common sense and planning must be applied to control the movement of the machine when lifting it with a crane or forklift.
2. Only qualified aerial lift operators should move the machine on or off the truck.
3. The transport vehicle must be parked on a level surface.
4. The transport vehicle must be secured to prevent rolling while the machine is being loaded.
5. Be sure the vehicle capacity, loading surfaces and chains or straps are sufficient to withstand the machine weight. See the serial label for the machine weight.
6. The machine must be on a level surface or chocks placed on wheels before releasing the brakes.
7. Do not allow the rails to fall when the snap pins are removed. Maintain a firm grasp on the rails when the rails are lowered.
8. Do not drive the machine on a slope that exceeds the slope or side slope rating. See Driving on a Slope in the Operating Instructions section.
9. If the slope of the transport vehicle bed exceeds the maximum slope rating, the machine must be loaded and unloaded using a winch as described.

Free-wheel Configuration for Winching

Chock the wheels to prevent the machine from rolling.

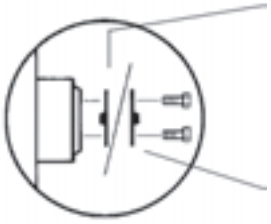
ERT Models: Release the wheel brakes by turning over the torque hub disconnect caps

RT Models 2WD: Release the non-steer wheel brakes by turning over the torque hub disconnect caps (see below).

RT Models 4WD: Release the non-steer wheel brakes by turning over the torque hub disconnect caps (see below).

Be sure the winch line is properly secured to the chassis tie-down points and the path is clear of all obstructions.

Reverse the procedures described to re-engage the brakes.



Securing to Truck or Trailer for Transit

Always chock the machine wheels in preparation for transport.

Retract and secure the extension deck(s).

Use the tie-down points on the chassis for anchoring down to the transport surface.

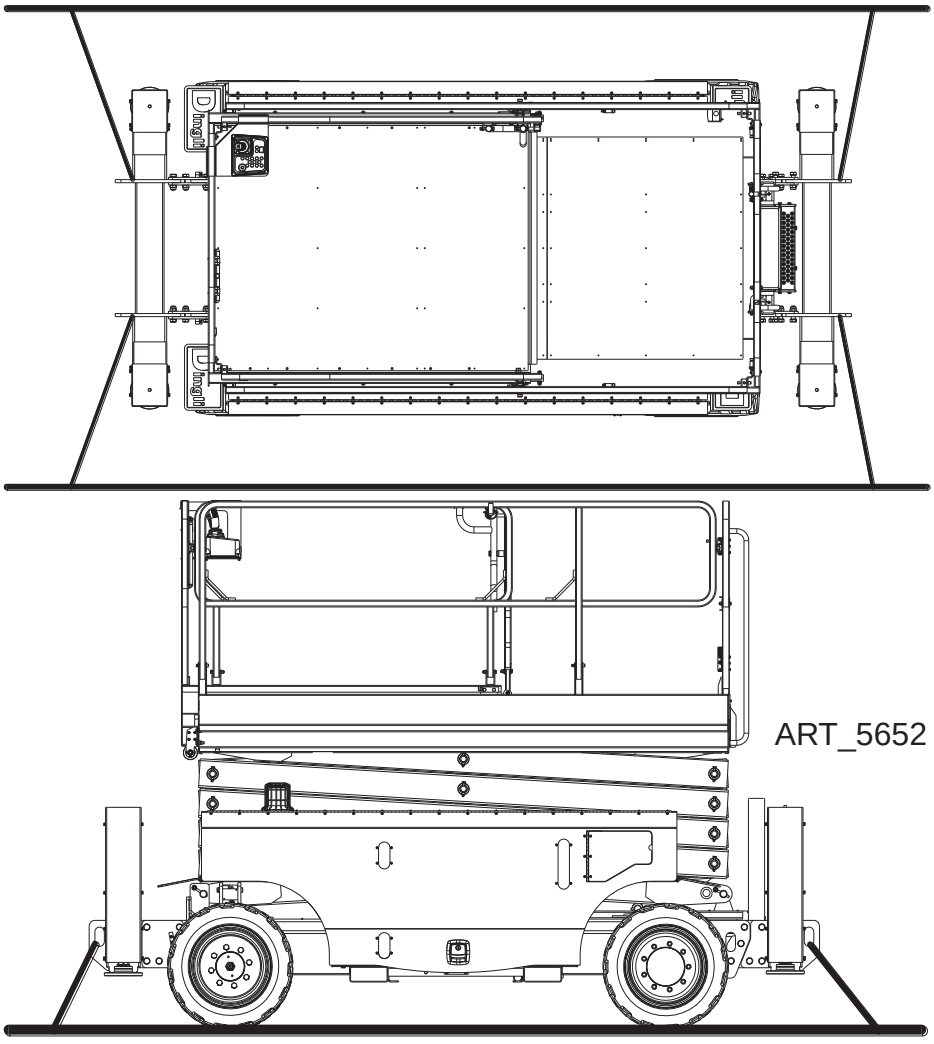
Use a minimum of four chains or straps.

Use chains or straps of ample load capacity.

Turn the key switch to the OFF position and remove the key before transporting.

Inspect the entire machine for loose or unsecured items.

If the railings have been folded down, secure them with straps before transporting.



ART_5652

Lifting Instructions

Observe and Obey:

1. Only qualified riggers should rig and lift the machine.
2. Only qualified forklift operators should lift the machine with a forklift.
3. Be sure the crane capacity, loading surfaces and straps or lines are sufficient to withstand the machine weight. See the serial plate for the machine weight.

Lifting Instructions

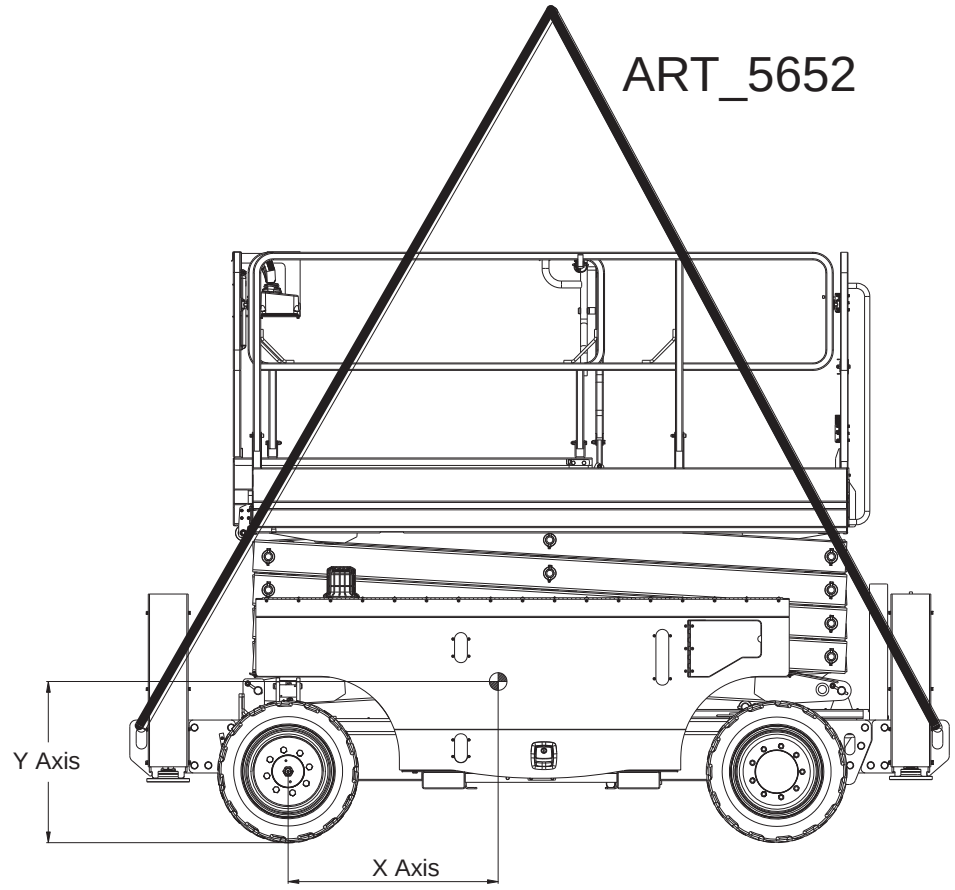
Fully lower the platform. Be sure the extension decks, controls and covers are secure. Remove all loose items on the machine.

Determine the center of gravity of your machine using the table and the picture on this page.

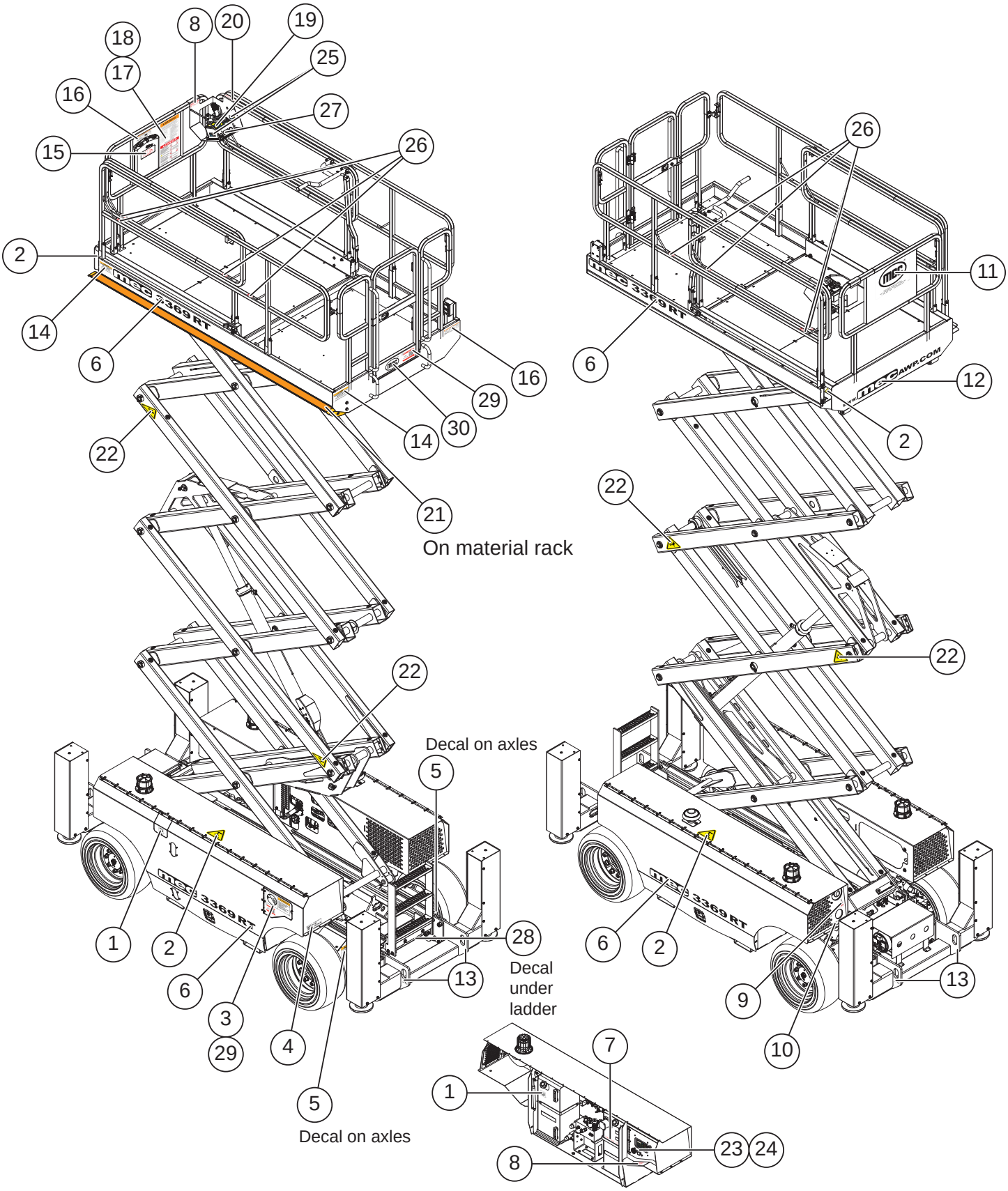
Attach the rigging only to the designated lifting points on the machine. There are two lifting points on each end of the machine.

Adjust the rigging to prevent damage to the machine and to keep the machine level.

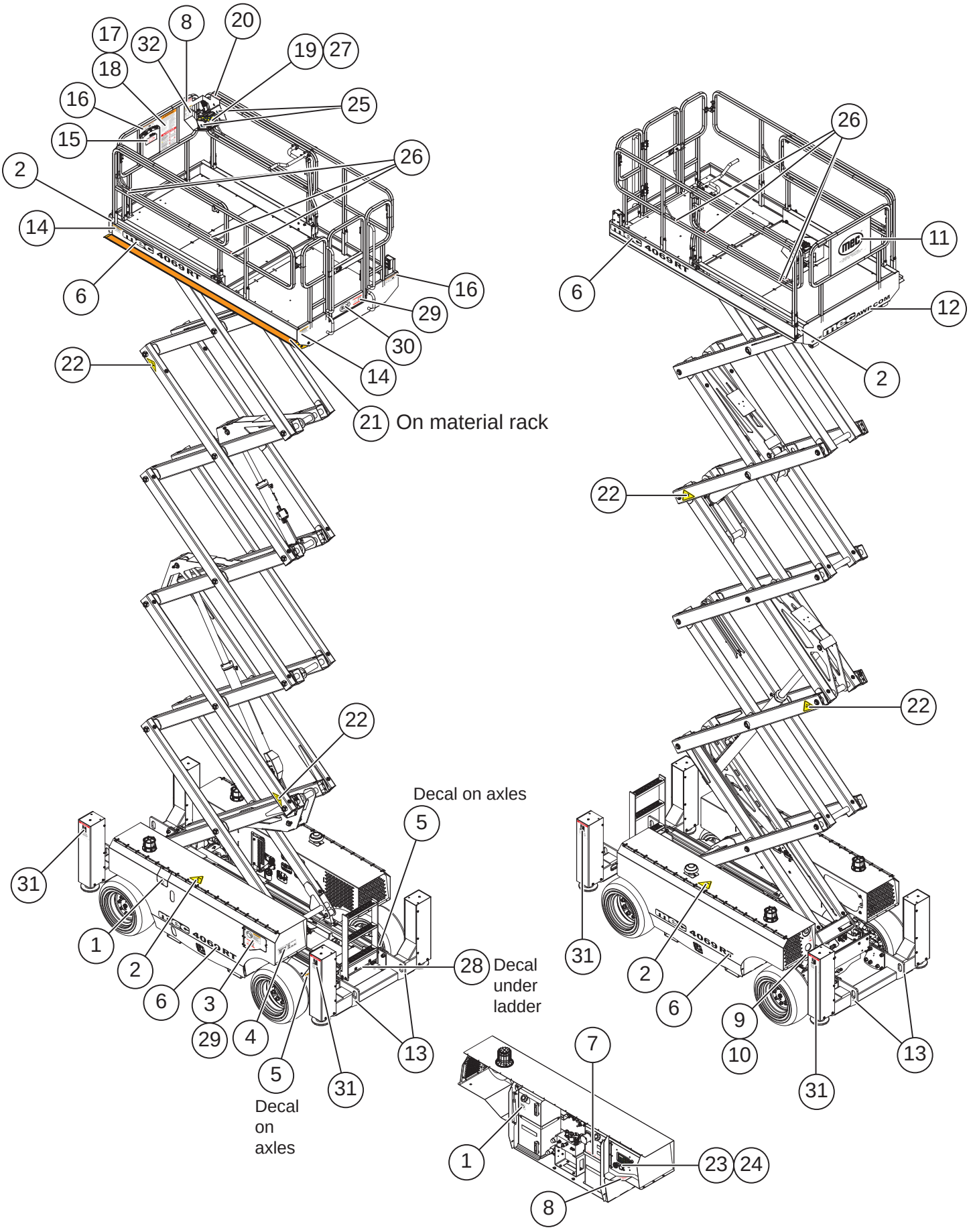
Center of gravity	X Axis		Y Axis	
3369RT/ERT	3 ft 7 in	1.1 m	2 ft 7 in	0.78 m
4069RT/ERT	3 ft 7 in	1.1 m	2 ft 9 in	0.84 m

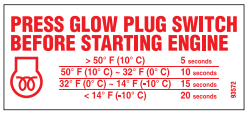
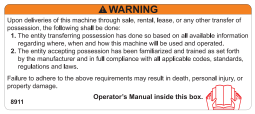
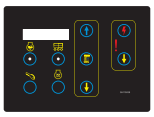
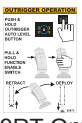
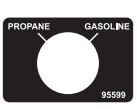


3369RT Decal Locations

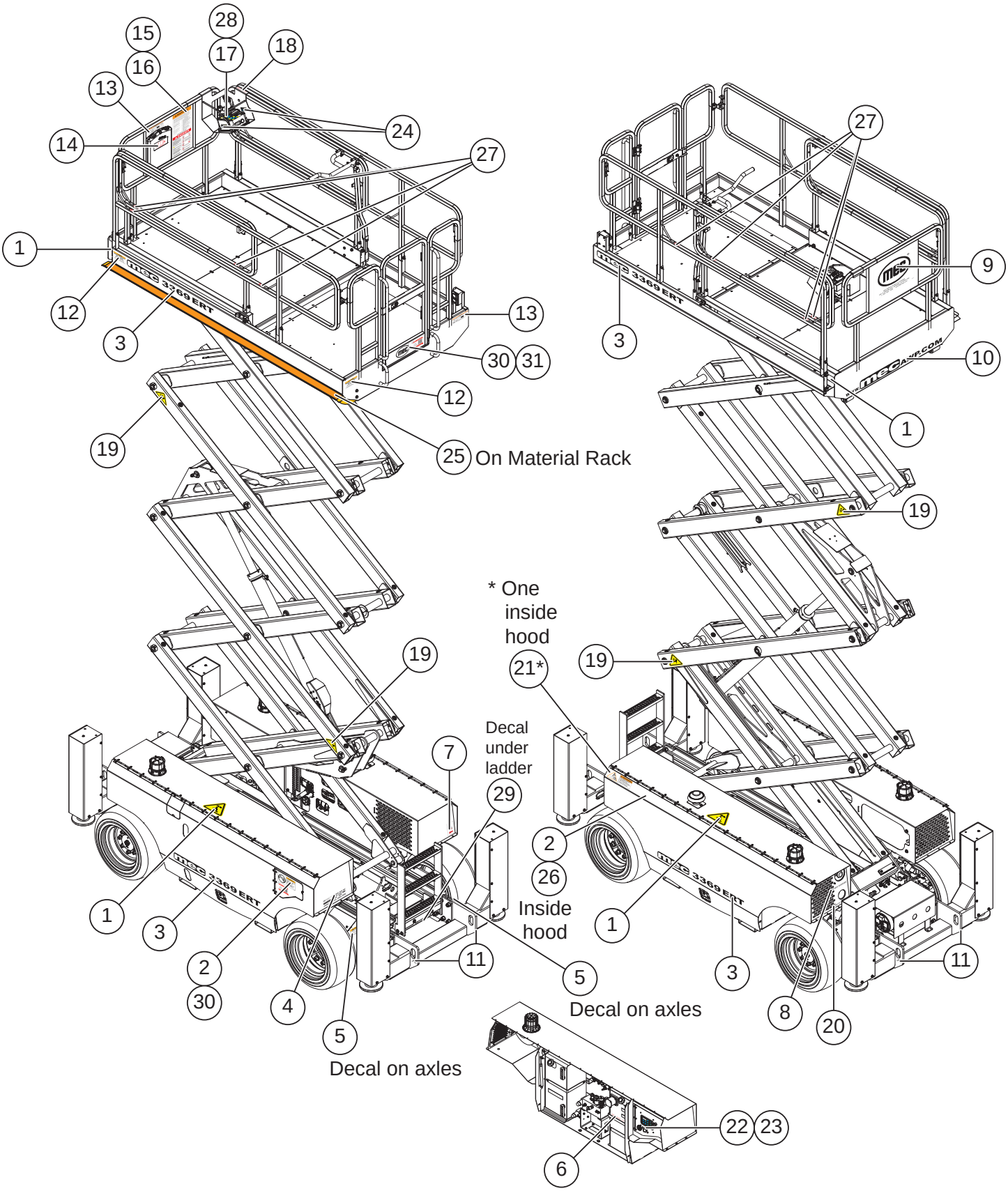


4069RT Decal Locations

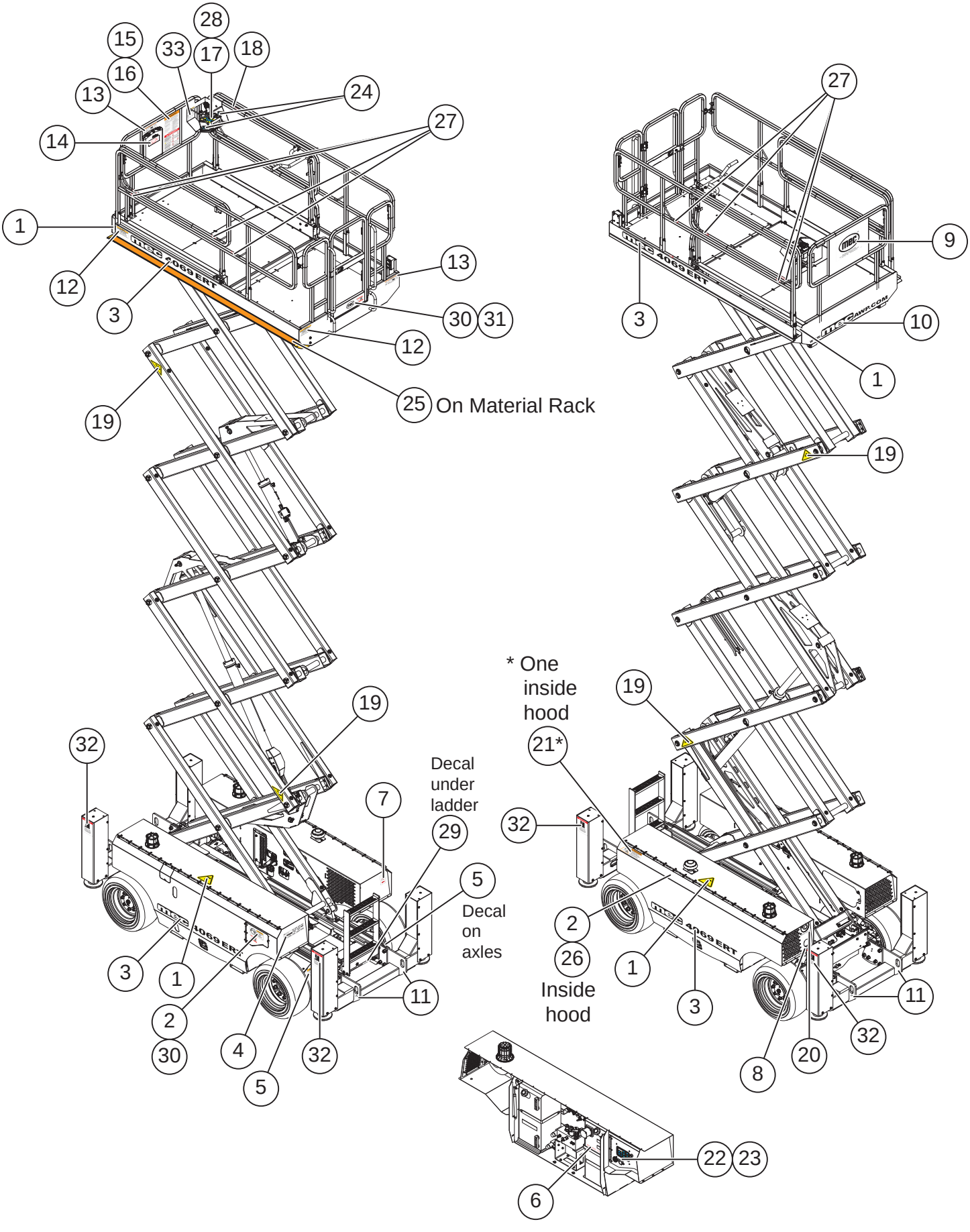


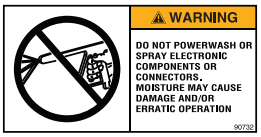
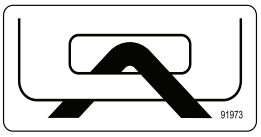
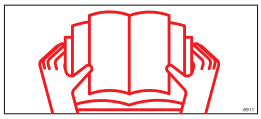
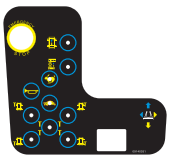
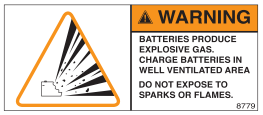
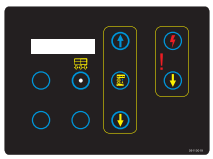
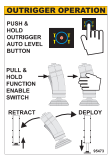
1  91975 Qty. - 2	**2**  91850 Qty. - 4	**3**  90732 Qty. - 1	**4**  95417 Qty. - 1	**5**  90725 Qty. - 2
6 mec 3369 RT 3369RT Only 94857 Qty. - 4	**7** mec 4069 RT 4069RT Only 93209 Qty. - 4	**8**  6873 Qty. - 1	**9**  93572 Qty. - 2	**10**  9052 Qty. - 1
11 POWER TO PLATFORM 90751 Qty. - 1	**12**  90719 Qty. - 1	**13**  92416 Qty. - 1	**14**  91973 Qty. - 4	**15**  94872 Qty. - 2
16  8911 Qty. - 1	**17**  3369RT Only 95443 Qty. - 2	**18**  4069RT Only 95444 Qty. - 2	**19**  90722 Qty. - 1	**20**  90721 Qty. - 1
21  42528 Qty. - 1	**22**  7155 Qty. - 1	**23** UHMV Strip 3" x 1/8" (80mm x 3mm) Length 9 ft (2.8 m) 94899 Qty. - 1	**24**  9910 Qty. - 4	**25**  43102 Qty. - 1
26  43086 Qty. - 1	**27**  94120 Qty. - 2	**28**  91970 Qty. - 8	**29**  94122 Qty. - 1	**30**  41636 Qty. - 1
31  95261 Qty. - 2	**32**  95301 Qty. - 1	**33**  4069RT Option 9465 Qty. - 4	**34**  4069RT Option 95473 Qty. - 1	**35**  4069RT Option Dual Fuel 95599 Qty. - 1
36  4069RT Option Dual Fuel 95611 Qty. - 1	**37**  4069RT Option Dual Fuel 6948 Qty. - 1	**38** XXXXX Qty. - X	**39** XXXXX Qty. - X	**40** XXXXX Qty. - X

3369ERT Decal Locations



4069ERT Decal Locations

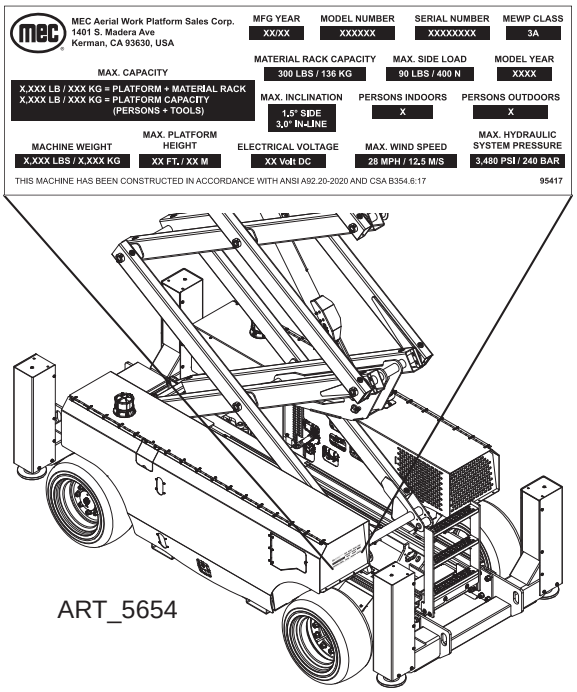


1  91850 Qty. - 4	**2**  90732 Qty. - 2	**3**  3369ERT Only 94856 Qty. - 4	**4**  4069ERT Only 93052 Qty. - 4	**4** 95417 Qty. - 1
5  90725 Qty. - 2	**6**  6873 Qty. - 1	**7**  9052 Qty. - 1	**8**  90751 Qty. - 1	**9**  90719 Qty. - 1
10  92416 Qty. - 1	**11**  91973 Qty. - 4	**12**  94872 Qty. - 2	**13**  3369ERT Only 95443 Qty. - 2	**13**  4069ERT Only 95444 Qty. - 2
14  8911 Qty. - 1	**15**  90722 Qty. - 1	**16**  90721 Qty. - 1	**17**  43525 Qty. - 1	**18**  7155 Qty. - 1
19  9910 Qty. - 4	**20**  90750 Qty. - 1	**21**  8779 Qty. - 2	**22**  43524 Qty. - 1	**23**  43102 Qty. - 1
24  94120 Qty. - 2	**25** UHMV Strip 3" x 1/8" (80mm x 3mm) Length 9 ft (2.8 m) 94899 Qty. - 1	**26**  91774 Qty. - 1	**27**  91970 Qty. - 8	**28**  94122 Qty. - 1
29  41636 Qty. - 1	**30**  95261 Qty. - 2	**31**  95301 Qty. - 1	**32** 4069ERT Option  9465 Qty. - 4	**33** 4069ERT Option  95473 Qty. - 1

Serial Plate

Serial Plate Location

The serial plate is attached to the machine at the time of manufacture. Important information about the machine is recorded on the serial plate.



ART_5654

Serial Plate Information Description

MFG DATE Month / Year of manufacture

MODEL YEAR Machine model year.

MODEL NUMBER Identifies the machine.

SERIAL NUMBER Identifies a machine with reference to its original owner. Refer to the number when requesting information or ordering parts.

MAX. CAPACITY The maximum safe load (Persons+Equipment) which can be evenly distributed on the platform at any elevation.

MATERIAL RACK CAPACITY The maximum amount of material weight supported. Material weight is part of the total platform capacity.

MAX. SIDE LOAD The maximum safe force that the occupant can exert laterally on an object outside the platform.

MAX. INCLINATION The maximum amount of tilt for safe working conditions.

PERSONS INDOORS The maximum number of occupants indoors.

PERSONS OUTDOORS The maximum number of occupants outdoors.

MACHINE WEIGHT The weight of the machine with no options.

MAX. PLATFORM HEIGHT The maximum attainable height measured from level ground surface to platform floor.

ELECTRICAL VOLTAGE The voltage at which this machine operates.

MAX. WIND SPEED The maximum safe wind speed at which the machine can be elevated.

MAX. HYDRAULIC SYSTEM PRESSURE The maximum pressure generated by the machine's hydraulic system.

Notes

MEC Parts Order Form

Phone: 559-842-1523
Fax: 559-400-6723
Email: Parts@mecawp.com

Please Fill Out Completely:

Date: _____ **Ordered By:** _____
Account: _____ **Your Fax No.:** _____
Bill to: _____ **Ship to:** _____
_____ _____
_____ _____

Purchase Order Number _____ **Ship VIA** _____

*** All orders MUST have a Purchase Order Number*

*****Fed Ex shipments require Fed Ex account number*

Part Number	Description	Quantity	Price

All back-ordered parts will be shipped when available via the same ship method as original order unless noted below:

_____ Ship complete order only - No Backorders
_____ Ship all available parts and contact customer on disposition of back-ordered parts
_____ Other (Please specify)

Signature _____

Limited Owner Warranty

MEC Aerial Platform Sales Corp. warrants its equipment to the original purchaser against defects in material and/or workmanship under normal use and service for one (1) year from date of registered sale or date the unit left the factory if not registered. MEC Aerial Platform Sales Corp. further warrants the structural weldments of the main frame and scissor arms to be free from defects in material or workmanship for five (5) years from date of registered sale or date unit left the factory if not registered. Excluded from such warranty is the battery(s) which carries a ninety (90) day warranty from described purchase date. Warranty claims within such warranty period shall be limited to repair or replacement, MEC Aerial Platform Sales Corp's option, of the defective part in question and labor to perform the necessary repair or replacement based on MEC Aerial Platform Sales Corp's then current flat rate, provided the defective part in question is shipped prepaid to MEC Aerial Platform Sales Corp. and is found upon inspection by MEC Aerial Platform Sales Corp. to be defective in material and/or workmanship. MEC Aerial Platform Sales Corp. shall not be liable for any consequential, incidental or contingent damages whatsoever. Use of other than factory authorized parts; misuse, improper maintenance, or modification of the equipment voids this warranty. The foregoing warranty is exclusive and in lieu of all other warranties, express or implied. All such other warranties, including implied warranties of merchantability and of fitness for a particular purpose, are hereby excluded. No Dealer, Sales Representative, or other person purporting to act on behalf of MEC Aerial Platform Sales Corp. is authorized to alter the terms of this warranty, or in any manner assume on behalf of MEC Aerial Platform Sales Corp. any liability or obligation which exceeds MEC Aerial Platform Sales Corp's obligations under this warranty.

MEC Aerial Work Platforms

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