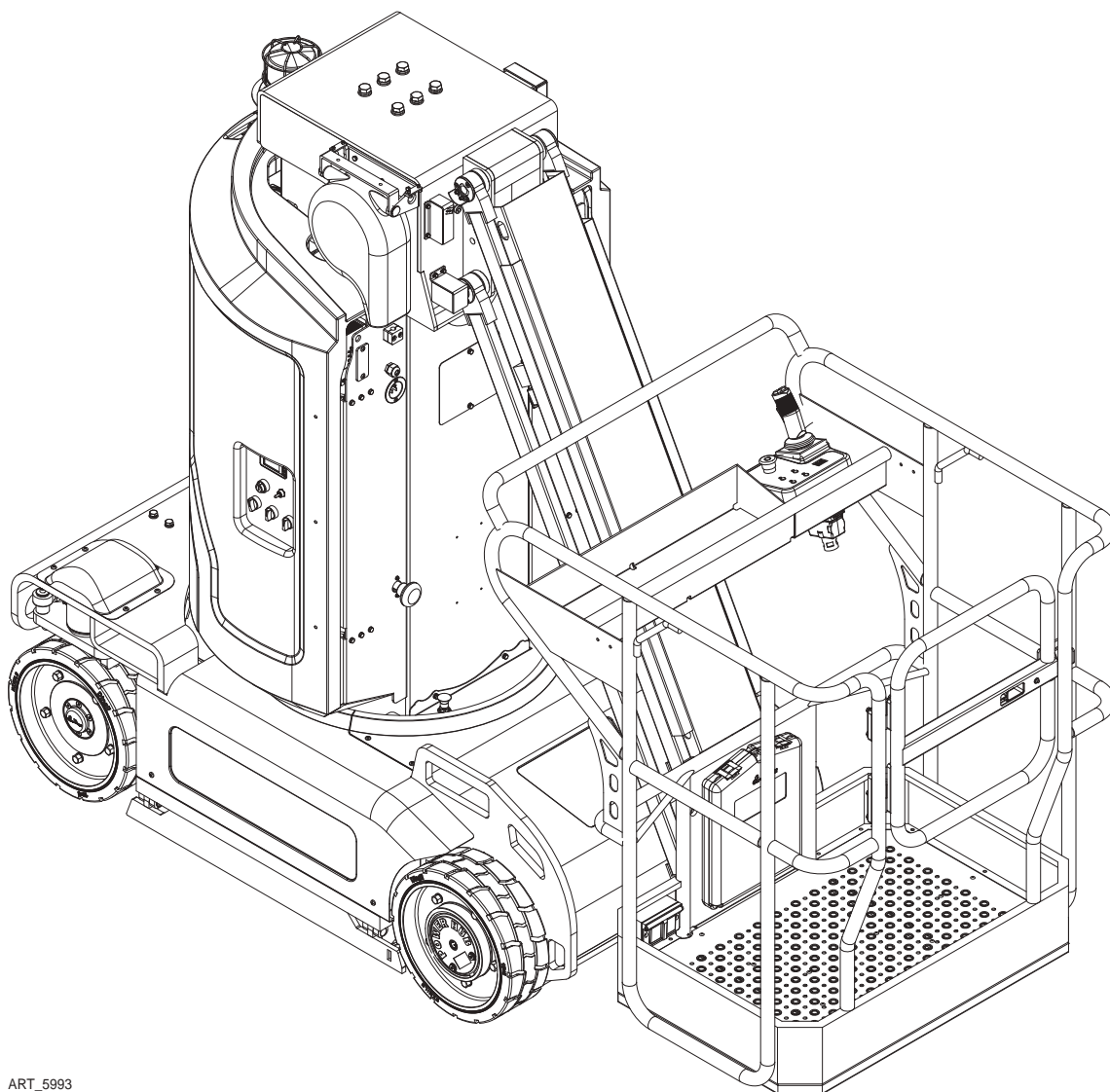




Operator's Manual

MME30-RJ



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Meets requirements of ANSI A92.20-2020 and CSA B354.6-2019.
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MEC Aerial Work Platforms

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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.



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.



RED and the word DANGER – Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



ORANGE and the word WARNING – Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



YELLOW with alert symbol and the word CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



YELLOW without alert symbol and the word CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in property damage.

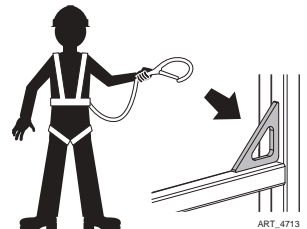


GREEN and the word NOTICE – Indicates operation or maintenance information.

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 personal fall protection equipment (PFPE) must comply with applicable governmental regulations, and must be inspected and used in accordance with the personal fall protection equipment (PFPE) manufacturer's instructions.

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

Specifications

Height, Working Maximum ¹	Indoor	36ft	11m
	Outdoor	34ft	10.3m
Height, Platform Maximum	Indoor	30ft	9.1m
	Outdoor	27ft	8.2m
Maximum Personnel	Indoor	1 Person	
	Outdoor	1 Person	
Manual Force	Indoor	45lbs	200N
	Outdoor	45lbs	200N
Maximum Wind Speed	Indoor	0mph	0m/s
	Outdoor	28mph	12.5m/s
Height, Stowed Maximum		6.52ft	1.99m
Height, Guard Rails		3.6ft	1.1m
Width		3.28ft	1.0m
Length, Stowed		8.59ft	2.62m
Platform Dimensions (Length x Width)		39in x 31in	1.0m x 0.79m
Maximum Load Capacity		500lbs	227kg
Wheelbase		4ft	1.22m
Turntable Rotation		345°	
Jib Working Range		130°	
Turning Radius		5.90ft	1.8m
Ground Clearance		2.36in	6cm
Weight		6,500lbs	2,950kg
Power Source		24V 200A/H AGM	
System Voltage		24V	
Controls		Proportional	
Maximum Hydraulic Pressure		2,900psi	200bar
Tire Size		15in x 5in	381mm x 127mm
Maximum Slope Rating			
Slope Rating, Stowed Position ²		25%	
Side Slope Rating, Stowed Position ²		10%	
Tilt Sensor Setting		2.0 Side	2.5 Inline
Drive Speeds			
Stowed, Maximum		2.8mph	4.5km/h
Platform Raised, Maximum		0.31mph	0.5km/h
Floor Loading Information			
Tire Load, Maximum ³		2,100lbs	950kg
Tire Contact Pressure ³		230psi	16.2kg/cm ²
Occupied Floor Pressure ³		222psf	2,250kg/m ²
Meets requirements of ANSI A92.20-2020 and CSA B354.6-2019.			
¹ Working Height adds 6 feet (2 meters) to platform height.			
² Slope rating is subject to ground conditions and adequate traction.			
³ Floor loading information is approximate and doesn't incorporate different option configurations.			

Safety Rules



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

Do Not Operate Unless:

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

The relevant conditions of using the equipment

The surface of the worksite should be flat and hard with no obstacles in air and the safety distance between the equipment and high-voltage power lines is adequate.

- The environment temperature should be within: -4°F(-20°C) to 104°F(40°C).
- The environment humidity ≤ 90%.
- Electrical power: AC 110~230V±10%, 50~60Hz.

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.

Operator

Only trained and qualified personnel are permitted to operate this machine. Always use a safety harness when using this equipment.

If you are subject to dizziness or seizures, or are bothered by heights, you must not operate this type of machinery. An operator must not use drugs or alcohol that can change his/her alertness or coordination. An operator on prescription or over-the-counter drugs needs medical advice on whether or not he/she can safely operate machines.

Hazards

Electrocution Hazard

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 government regulations and the following chart.



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

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 when there is lightning or during storms.

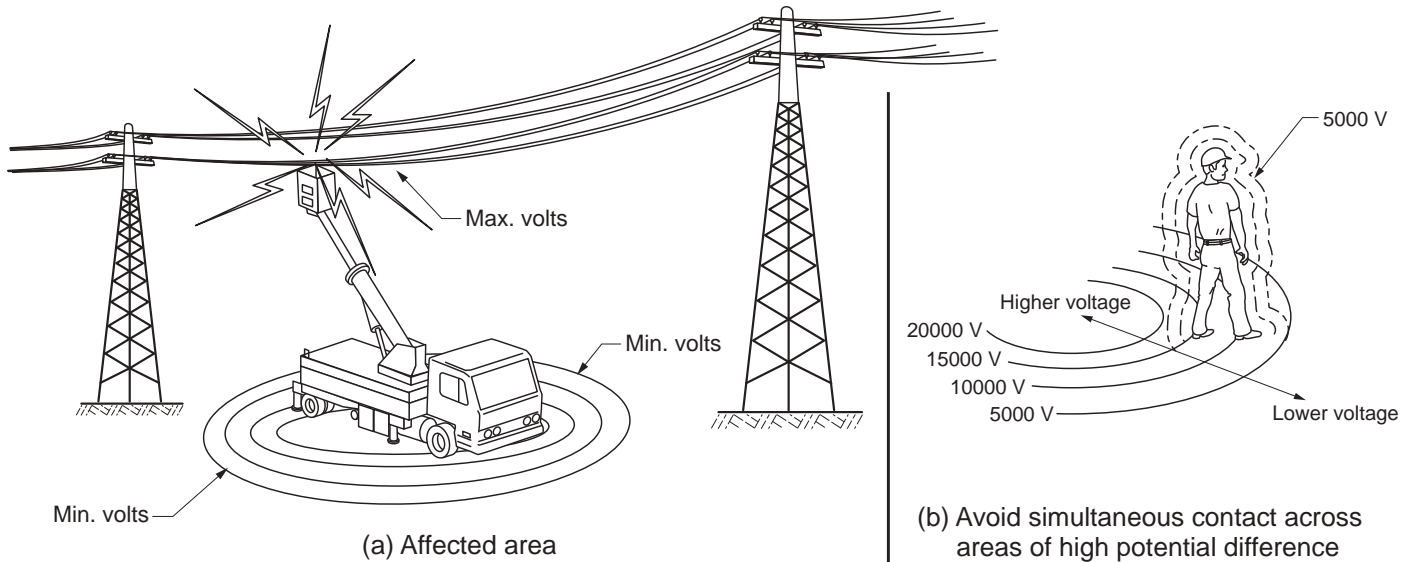
Do not use the machine as a ground for welding.

Keep clear of live electric conductors.

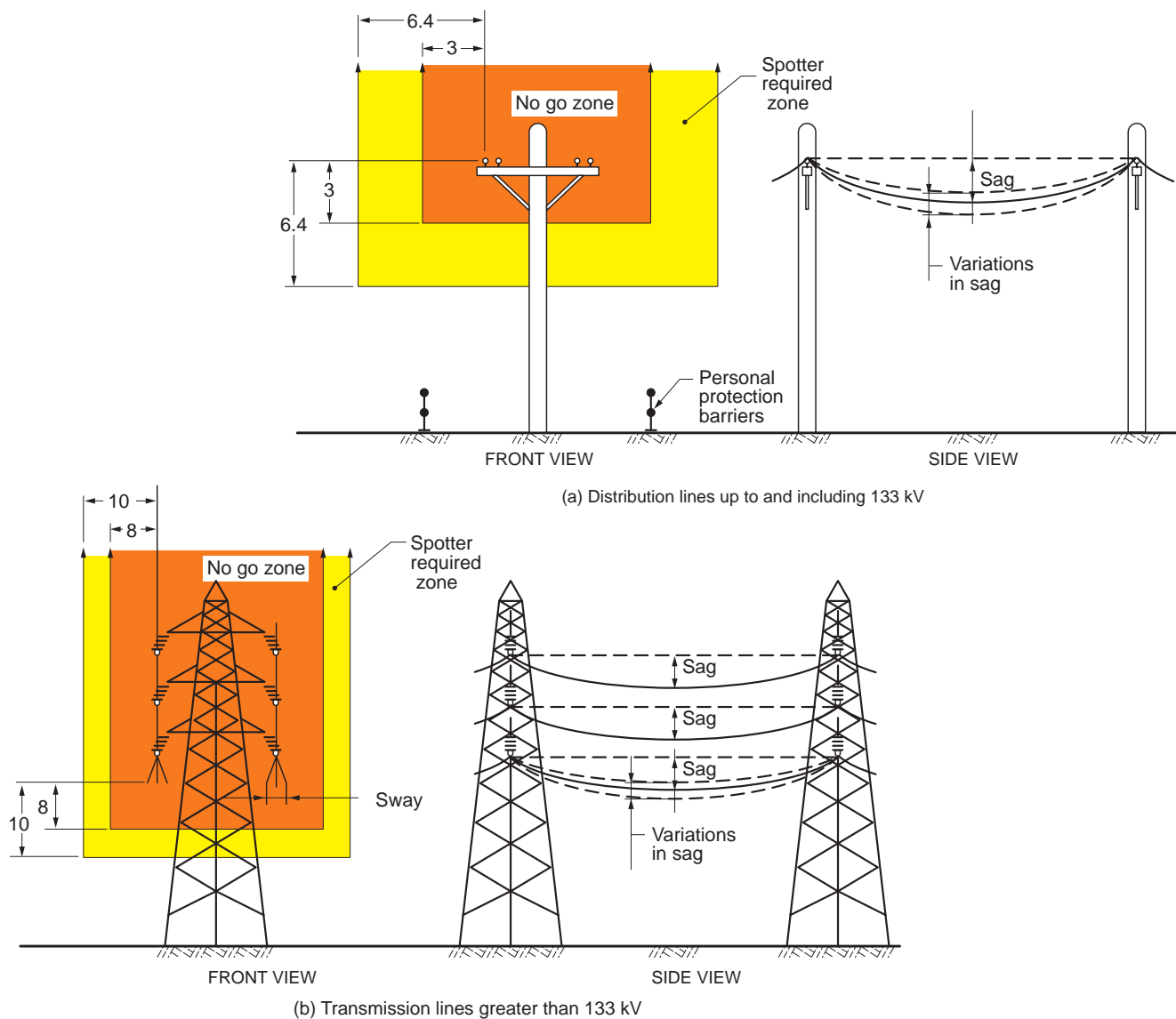
Energized Conductor Contact Hazard

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

- Stay at least 10 feet (3.05 meters) away from power lines with any part of their body, conductive object or any part of the MEWP (Mobile Elevating Work Platform).
- If work requires working nearer than 10 feet (3.05 meters), stop and consult a qualified person with respect to electrical transmission and distribution to have appropriate measures taken (such as de-energizing and grounding).
- 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.
- 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.



CLEARANCES FROM LIVE AERIAL CONDUCTORS



LEGEND

- = No shading, in the front views, indicates no proximity requirements
- = Light shading indicates spotter is required
- = Heavy shading indicates the NO GO ZONE

Tip-over Hazard

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

Maximum Capacity		
Maximum Occupants	Indoor	1 Person
	Outdoor	1 Person
Maximum Platform Capacity		500lbs (227kg)

Work Area Safety

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

Do not install any objects that would increase the wind load on the MEWP (Mobile Elevating Work Platform).

Do not drive over 0.31mph (0.5km/h) with the platform raised.

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 mast, and then lower the jib boom.
- Move the machine to a firm, and level surface. Use extreme caution to lower the mast.



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

When raising the platform, follow the ratings for allowable manual force and the maximum number of occupants listed below.

Maximum Allowable Manual Force		
	Manual Force	Maximum Occupants
Indoor	45lbs (200N)	1 Person
Outdoor	45lbs (200N)	1 Person

Do not operate the machine in strong or gusty winds. Do not increase the surface area of the platform or the load. 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 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 or drop-offs.

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

Do not use the machine as a crane.



Do not push off or pull toward any object outside of the platform.

Do not alter or disable the limit switches.

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.

Do not modify or alter an aerial work platform without prior written permission from the manufacturer. Mounting attachments for holding tools or other materials onto the platform, toe boards or guard rail system can increase the weight in the platform and the surface area of the platform or the load.

Do not use batteries that weigh less than the original equipment. Batteries are used as counterweights and are critical to machine stability. Each battery must weigh 86lbs (39kg). The total amount of batteries must weigh a minimum of 344lbs (156kg).

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

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

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

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

Be sure all tires are in good condition, and that the castle nuts are properly tightened.

Do not push the machine or other objects with the jib boom.

Do not make contact with adjacent structures with the jib boom.

Do not tie the jib boom or platform to adjacent structures.

Do not place loads outside the platform perimeter.



Crushing Hazard

Keep hands and limbs out of the mast. Keep hands clear when lowering rails. Do not work under the platform.

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.

Operation on Slopes Hazard

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.

- Maximum Slope Rating Stowed Position: 25% (14°)
- Maximum Side Slope Rating Stowed Position: 10% (5.7°)

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

Fall Hazard

The guard rail system provides fall protection. If occupant(s) of the platform are required to wear personal fall protection equipment (PFPE) due to job site or employer rules, personal fall protection equipment (PFPE) and its use shall be in accordance with the personal fall protection equipment (PFPE) manufacturer's instructions and applicable government requirements.

Keep the platform floor clear of debris.

Close the entry gate before operating.

Do not enter the platform unless the guard rails are properly installed and the entry gate is secured for operation.

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.

Do not exit the platform while raised. If a power failure occurs, have ground personnel activate the manual lowering valve.

Use extreme caution when entering or leaving platform. Be sure that the boom is fully lowered. Facing the machine, maintain "three point contact" with the machine by using two hands and one foot or two feet and one hand during entry and exit of the platform.



Collision Hazard

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

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



The machine must be on a firm and level surface or secured before releasing the brakes.

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

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

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



Keep non-operating personnel at least 5.9 feet (1.8 meters) away from the machine during all driving and swing operations.

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



Do not operate the 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 the machine.

Bodily Injury Hazard

Do not operate the machine with a hydraulic, oil, or air leak. An air leak or 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.

Explosion and Fire Hazard

Charge the battery only in an open, well-ventilated area away from sparks, flames, and lighted tobacco.

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

Damaged Machine Hazard

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.

Make sure all maintenance has been performed as specified in the Service & Parts manual.

Make sure all decals are in place and legible.

Make sure the operator's, safety, and responsibilities manuals are complete, legible and in the storage container located on the platform.

Component Damage Hazard

Do not use the machine as a ground for welding.

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.



The battery pack must remain in the upright position.

Do not expose the batteries or the charger to water or rain during charging.

Explosion Hazard

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

Do not make with contact the battery terminals or the cable clamps with tools that may cause sparks.



Component Damage Hazard

Do not use any battery charger greater than 24V to charge the batteries in the chassis.

Battery Safety - Electrocution/ Burn Hazard

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.



Lifting Hazard

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

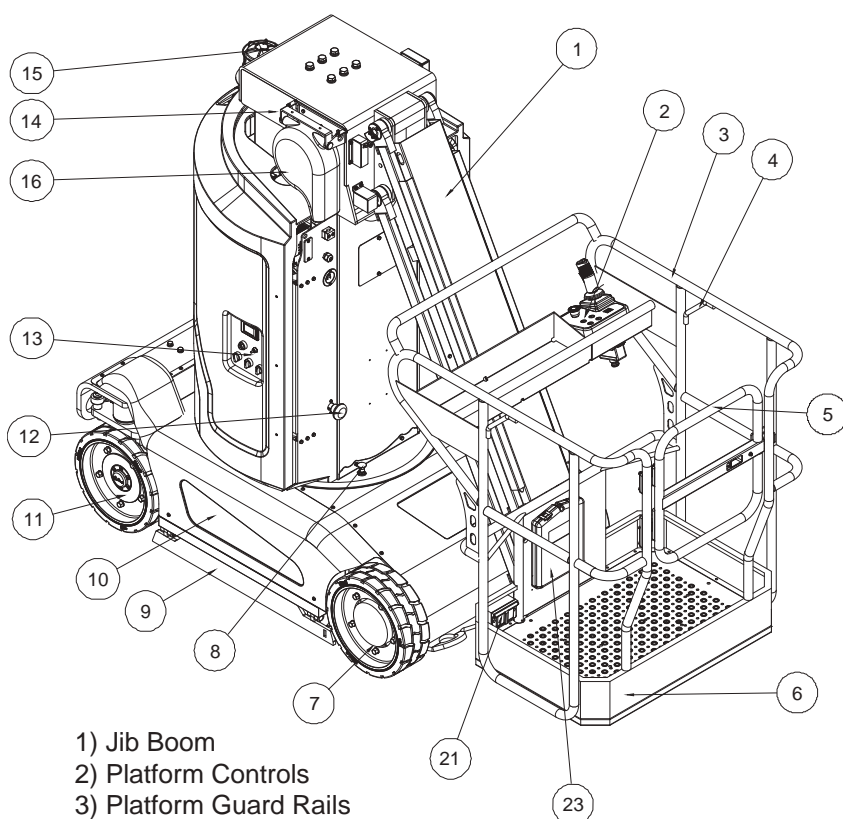
Pollution Hazard

Disposal of old battery must comply with job site and government rules.

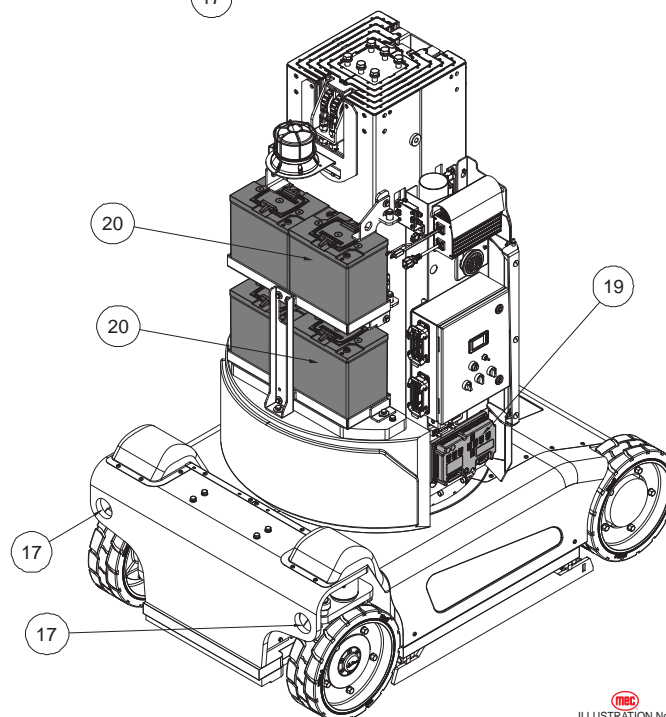
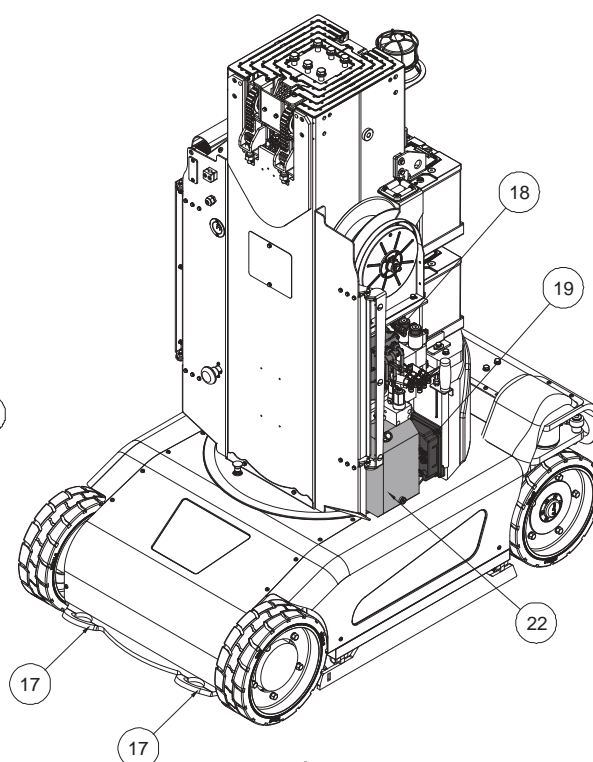
Lockout after Each Use

1. Select a safe parking location — a firm and level surface, clear of obstruction and traffic.
2. Lower the jib boom and the mast to the stowed position.
3. Rotate the turntable so that the platform is between the non-steer wheels.
4. Turn the key switch to the "Off" position and remove the key to secure from unauthorized use.
5. Push in the red Emergency Stop buttons to the "Off" position.

Component Locations



- 1) Jib Boom
- 2) Platform Controls
- 3) Platform Guard Rails
- 4) Lanyard Anchorage Point
- 5) Platform Entry Gate
- 6) Platform
- 7) Drive Tire
- 8) Mast Emergency Lowering Knob
- 9) Pothole Device
- 10) Chassis
- 11) Steer Tire
- 12) Red Emergency Stop Button
- 13) Ground Controls
- 14) Mast
- 15) Flashing Beacon
- 16) Cable Reel
- 17) Tie-Down/Lift Points
- 18) Hydraulic Power Unit
- 19) Motor Controllers
- 20) Batteries
- 21) Platform Electrical Outlet
- 22) Hydraulic Oil Tank
- 23) Manual Box



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Upper Controls

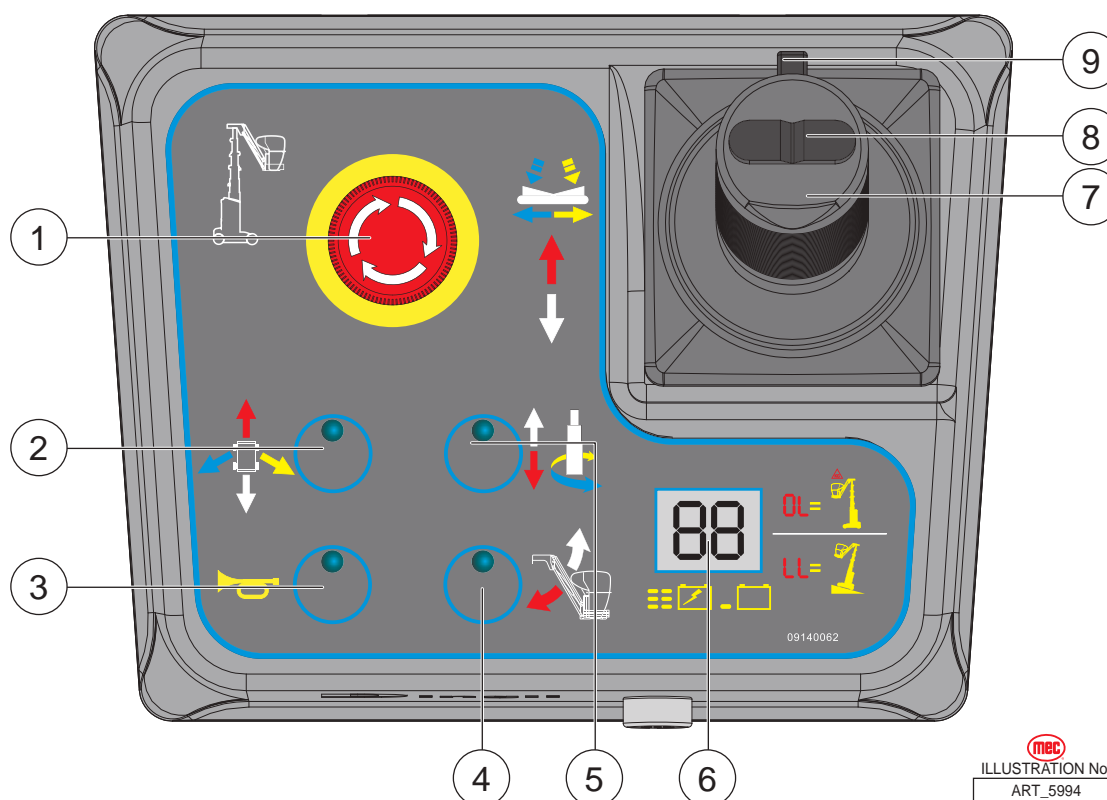


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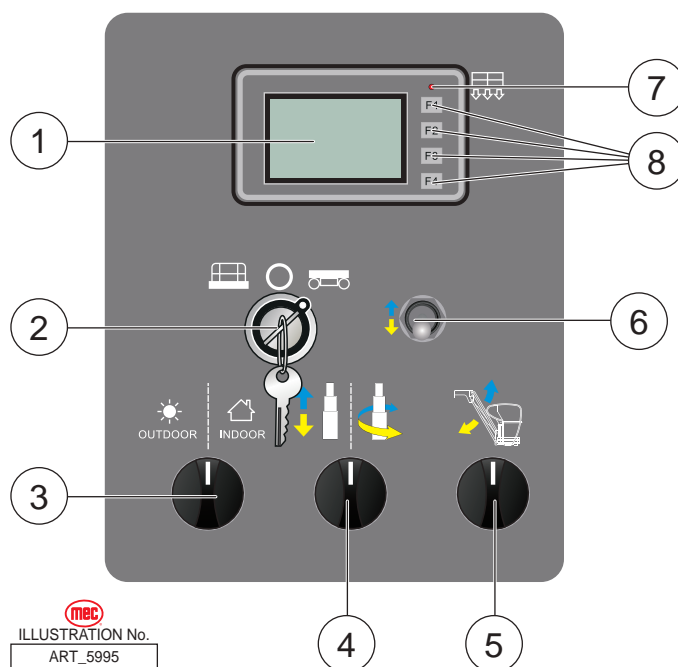


WARNING

ALWAYS be aware of the machine's position and of your surroundings before activating any control function.

Control		Description	
1	Emergency Stop Switch	Press the Emergency Stop switch at any time to stop all machine functions. Pull the button out to the on position to operate the machine.	
2	Drive Function Select	Press this button to activate the drive function or the steer function.	
3	Horn Button	Press to sound warning horn.	
4	Jib Lifting/Lowering Select	Push the Jib Lift/Lower function select button to active the Jib Lift/Lower function.	
5	Mast/Turntable Select	Push the Mast/Turntable Select function button to enable function of the Mast or Turntable.	
6	LED Readout Screen	Diagnostic read out and battery charge indicator.	
7	Proportional Control Handle	Mast	Press the Mast/Turntable button (#5) then squeeze the Function Enable Switch (#9). Move the control handle in the direction of the red arrow to lift the mast or move in the direction of the white arrow to lower the mast.
		Drive	Press the Drive Function button (#2) then squeeze the Function Enable Switch (#9). Move the control handle in the direction of one of the 4 colored arrows on the control panel and the machine will move in the same direction as the colored arrow.
		Turntable	Press the Mast/Turntable button (#5) then squeeze the Function Enable Switch (#9). Press the thumb rocker in the direction of the blue arrow on the control panel and the turntable will move to the left or press the thumb rocker in the direction of the yellow arrow on the control panel and the turntable will move to the right.
		Jib	Press the Jib Lift/Lower function button (#4) then squeeze the Function Enable Switch (#9). Move the control handle in the direction of the red arrow to lift the jib or move in the direction of the white arrow to lower the jib.
8	Thumb Rocker Switch	When the Drive Function is selected, press the thumb rocker switch to control the steer wheels. When the Mast/Turntable Select, press the thumb rocker switch to rotate the turntable.	
9	Function Enable Switch	Function Enable Switch for Lift, Drive/Steer, Rotate, and Jib functions.	

Base Controls



WARNING

ALWAYS be aware of the machine's position and of your surroundings before activating any control function.

Control		Description	
1	LED Readout Screen	Diagnostic read out and battery charge indicator.	
2	Key Switch	Platform	Turn the key switch to the platform position and the platform controls will be selected.
		Off	Turn the key switch to the off position and the machine will be off.
		Base	Turn the key switch to the base position and the ground controls will be selected.
3	Outdoor/Indoor Switch	Outdoors	Select to limit the maximum height when outdoors.
		Indoors	Select to allow unrestricted height when indoors.
4	Mast / Turntable Select Button	Mast	Turn the switch to the left and hold, then press the Movement Select Switch (#6) to control the mast.
		Turntable	Turn the switch to the right and hold, then press the Movement Select Switch (#6) to rotate the turntable.
5	Jib Lifting/Lowering Select Button	Turn the switch to the right and hold, then press the Movement Select Switch (#6) to control the jib.	
6	Movement Select Switch	Up	Press and hold the switch up to lift the mast or rotate the turntable clockwise or lift the jib.
		Down	Press and hold the switch down to lower the mast or rotate the turntable counterclockwise or lower the jib.
7	Overload Indicator Light	Light on indicates when platform is overloaded. Remove excess weight.	
8	Menu Buttons	When in the Menu screen, these buttons allow the user to go through the menu. Press the first button to go up the Menu items. Press the second button to go down the Menu items. Press the third button to exit the Menu screen. Press the fourth button to enter the Menu screen	

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. Know and understand the safety rules before going on to the next section.**
 2. Always perform a pre-operation inspection.
 3. Always perform function tests prior to use.
 4. Inspect the workplace.
 5. 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 pre-operation 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 the Service & Parts manual.

Pre-Start Inspection Checklist

The operator must conduct a Pre-Start Inspection of the machine before each work shift.

DO NOT use a damaged or malfunctioning machine.

	Be sure that the operator's manual is 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 hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
	Check for battery fluid leaks and proper fluid level. Add distilled water if needed. See Service & Parts manual.

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
	Battery pack and connections
	Drive motors
	Wear pads
	Wheels
	Lifting chains and idler wheels
	Mast and mast braces
	Limit switches, alarms and horn
	Nuts, bolts and other fasteners
	Platform entry gate and guard rail
	Alarms and beacons
	Platform Control Panel
	Pothole guard

Check entire machine for:

	Cracks in welds or structural components
	Dents or damage to machine
	Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.

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. Know and understand the safety rules before going on to the next section.
 2. Always perform a pre-operation inspection.
 3. Always perform function tests prior to use.
 - 4. Inspect the workplace.**
 5. 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

Maintenance Inspection Report

MME Series Mast Lifts

Fleet Equipment Number _____	Date _____
Inspector Name _____	Inspector Co. _____
Model Number _____	Address _____
Serial Number _____	Signature _____
Hour Meter _____	
Machine Owner & address _____	

Maintain all service records in accordance with ANSI A92.24-2019

* If an inspection receives an "N", remove from service. Once repaired, place an "R" in the box.

* Refer to the proper service manual for specific information, settings and torque specifications.

Key Y = Yes, Acceptable N = No, Remove from Service R = Repaired O = Not Applicable

☐

QUARTERLY - Inspect only those marked "Q"

☐

ANNUAL - Inspect all items

	Q/A	Y/N/O	R
DECALS:			
Legible - undamaged/readable	Q		
Capacity decal correct for model	Q		
PLATFORM & RAILS:			
Not damaged, all in place	Q		
Entry gate secure, closes properly	Q		
Manual box in good condition	Q		
Operators Manual in manual box	Q		
JIB ASSEMBLY:			
Welds, no signs of metal fatigue, damage	Q		
Pivot Pins secure	Q		
Cylinder, no leaks, valve wires OK	Q		
ELEVATING ASSEMBLY:			
Mast Slide Blocks, lubed	Q		
Mast structures: Straight, no cracks	Q		
Welds: secure, no cracks	Q		
Cables tensioned correctly	Q		
Chains secure, not stretched	A		
Lift cylinder no visible damage	A		
ELECTRICAL:			
GFCI operates correctly	Q		
Wire harnesses good condition, secure	A		
Communication cable no damage, secure	A		
Retractable Cord Reel operational	Q		
Emergency Stop, stops power/operation	Q		
Key Switch, proper operation	Q		
Battery Switch, stops all power	Q		

	Q/A	Y/N/O	R
WHEELS:			
Tire, damage, excessive wear	Q		
Lug nuts (Wheel mounting) torqued correctly	Q		
King Pins lubed	A		
COMPONENT AREA (Under Cover):			
Motor Controller - cables tight, no corrosion	Q		
Wires not damaged - Plugs tight	Q		
Limit Switches - adjustment, operation, lubed	Q		
Cleanliness - All debris, excessive dirt removed	Q		
Battery cables clean	Q		
Battery switch cuts battery feed	Q		
Cover Doors secure, locks operate correctly	Q		
Fasteners present and tight	Q		
BASE:			
Fasteners present and tight	Q		
Cover panels secure	Q		
Welds, secure, no signs of cracks	A		
OPERATIONAL INSPECTION:			
All functions, operate smooth and quiet	Q		
All functions, speeds correct.	Q		
Upper control box, operates correctly	Q		
Emergency Down, operates correctly	Q		
Limit switches slows drive when elevated	Q		
Indoor/Outdoor limit switch set, test operation	Q		
Pothole switch test	Q		
Battery Charger operation	Q		
Amber Beacon, Operation	Q		

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. Know and understand the safety rules before going on to the next section.
- 2. Always perform a pre-operation inspection.
- 3. **Always perform function tests prior to use.**
- 4. Inspect the workplace.
- 5. 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.

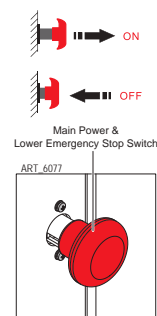
A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

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

1. Select a test area that is firm, level and free of obstruction.
2. Be sure the battery pack is connected.

At the Ground Controls

3. Pull out the ground red Emergency Stop button to the on position (pulled out). Turn the platform red Emergency Stop button clockwise to the on position (pulled out).
4. Turn the key switch to the ground control.
5. Observe the diagnostic LED readout on the ECU window.
 - **Result:** The LED indicator light should come on.



Test Emergency Stop

6. Push in the ground red Emergency Stop button to the off position (pushed in).
 - **Result:** No functions should operate.
7. Pull out the ground red Emergency Stop button to the on position (pulled out). Turn the platform red Emergency Stop button clockwise to the on position (pulled out).



Test Machine Functions

8. Do not press and hold any of the function enable buttons. Attempt to activate each function.
 - **Result:** All functions should not operate.
9. Turn left and hold the function select switch to select the Mast Lifting/Lowering function, then move the movement select switch up/down.
 - **Result:** The Mast Lifting/Lowering function should operate through a full cycle. The descent

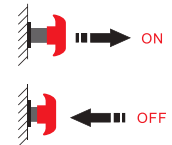
alarm should sound while the mast is lowering/rising.

10. Turn right and hold the function select switch to select the Mast Rotating function, then move the movement select switch up/down.
 - **Result:** The Mast Rotating function should operate through a full cycle. The descent alarm should sound while the mast is rotating left/right.
11. Turn right and hold the Jib Lifting/Lowering button, then move the movement select switch up/down.
 - **Result:** The Jib Lifting/Lowering function should operate through a full cycle. The descent alarm should sound while the jib is lowering/rising.

At the Platform Controls

Test Emergency Stop

12. Push in the platform red Emergency Stop button to the off position (pushed in).
 - **Result:** No functions should operate.
13. Pull out the ground red Emergency Stop button to the on position (pulled out). Turn the platform red Emergency Stop button clockwise to the on position (pulled out).
 - **Result:** The LED indicator light should come on.



ART_3353

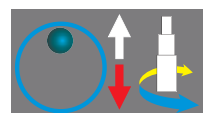
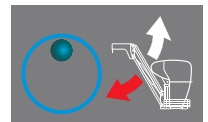
Test the Horn

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



Test Function Enable and Machine Functions

15. Do not hold the function enable switch on the control handle.
16. Slowly move the control handle in the direction indicated by the red arrow, then in the direction indicated by the white arrow.
 - **Result:** No functions should operate.
17. Press the Jib Lifting/Lowering select button.
18. Press and hold the function enable switch on the control handle.
19. Move the control handle in the direction indicated by the white arrow.
 - **Result:** The jib should rise.
20. Release the control handle.
 - **Result:** The jib should stop raising.
21. Press and hold the function enable switch on the control handle. Move the control handle in the direction indicated by the red arrow.
 - **Result:** The jib should lower. The descent alarm should sound while the jib is lowering.
22. Press the Mast Telescoping/Turntable Rotation select button.
23. Press and hold the function enable switch on the control handle. Move the control handle in the direction indicated by the white arrow.
 - **Result:** The mast should raise. The pothole guards should deploy.
24. Release the control handle.
 - **Result:** The mast should stop raising.
25. Press and hold the function enable switch on the control handle. Move the control handle in the

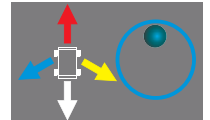


direction indicated by the red arrow.

- **Result:** The mast should lower. The descent alarm should sound while the mast is lowering.
26. Press and hold the function enable switch on the control handle. Depress the thumb rocker switch on top of the control handle in the direction identified by the blue left arrow on the control panel.
- **Result:** The turntable should rotate to the left.
27. Depress the thumb rocker switch in the direction identified by the yellow right arrow on the control panel.
- **Result:** The turntable should rotate to the right.

Test the Steering

28. Press the Drive Function select switch.
29. Press and hold the function enable switch on the control handle.
30. Depress the thumb rocker switch on top of the control handle in the direction identified by the blue left arrow on the control panel.
- **Result:** The steer wheels should turn in the direction that the blue left arrow points on the chassis.
31. Depress the thumb rocker switch in the direction identified by the yellow right arrow on the control panel.
- **Result:** The steer wheels should turn in the direction that the yellow right arrow points on the chassis.



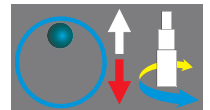
Test Drive and Braking

32. Press and hold the function enable switch on the control handle.
33. Slowly move the control handle in the direction indicated by the red up arrow on the control panel until the machine begins to move, and then return the handle to the center position.
- **Result:** The machine should move in the direction that the red arrow points on the chassis, then come to an abrupt stop.
34. Press and hold the function enable switch on the control handle.
35. Slowly move the control handle in the direction indicated by the white down arrow on the control panel until the machine begins to move, then return the handle to the center position.
- **Result:** The machine should move in the direction that the white arrow points on the chassis, then come to an abrupt stop.

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

Test Limited Drive Speed

36. Push the Mast Telescoping/Turntable Rotation select button.
37. Press and hold the function enable switch on the control handle. Raise the mast approximately 8 inches (20 centimeters).
38. Push the Drive Function button.
39. Press and hold the function enable switch on the control handle. Move the drive control handle off center.
- **Result:** The maximum achievable drive speed with the mast raised should not exceed 5.5 inches (14 centimeters) per second.
 - **Result:** If the drive speed with the platform raised exceeds 5.5 inches (14 centimeters) per



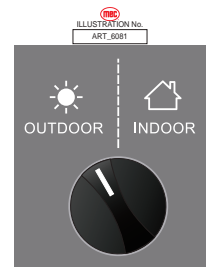
second, immediately tag and remove the machine from service.

40. Lower the mast. Raise the jib boom until the platform floor is approximately 4.9 feet (1.5 meters) from the ground.
41. Slowly move the drive control handle to the full drive position.
 - **Result:** The maximum achievable drive speed with the mast raised should not exceed 5.5 inches (14 centimeters) per second.
 - **Result:** If the drive speed with the platform raised exceeds 5.5 inches (14 centimeters) per second, immediately tag and remove the machine from service.
42. Lower the jib boom to the stowed position.

Test the Indoor/Outdoor Select Functions

Note: Perform this test from the ground with the platform controller. Do not stand in the platform.

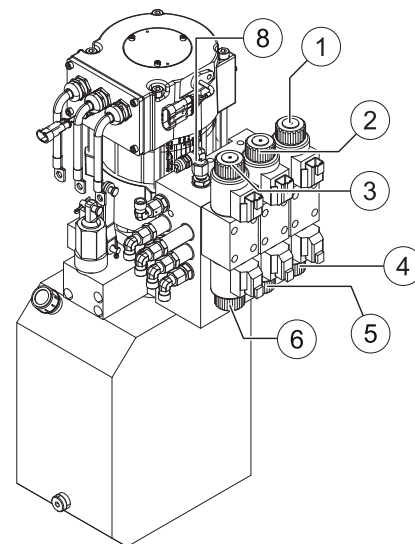
43. Turn the key switch to the ground control position.
44. Turn right and hold the Jib Lifting/Lowering button, then move the movement select switch up/down and raise the jib to highest position.
45. Turn the Indoor/Outdoor select switch to the Outdoor mode side.
46. Turn left and hold the function select switch to select the Mast Lifting/Lowering Function, then move the movement select switch up/down. Raise the platform to the highest position and measure the platform height.
 - **Result:** The platform height shall not exceed 27 feet (8.2 meters).
47. Turn the Indoor/Outdoor select switch to the Indoor mode side.
48. Turn left and hold the function select switch to select the Mast Lifting/Lowering function, then move the movement select switch up/down. Raise the platform to the highest position and measure the platform height.
 - **Result:** The platform continued to rise to a height of about 30 feet (9.1 meters).
49. Turn the Indoor/Outdoor select switch to the Outdoor mode side.
 - **Result:** The alarm should sound.
50. Turn the Indoor/Outdoor select switch to the Indoor mode side and fully lower the platform.
51. Turn the key switch to the platform control position.
52. Turn the Indoor/Outdoor select switch to the Outdoor mode side.
53. Press the Lift Function select button.
54. Press and hold the function enable switch on the control handle.
55. Slowly move the control handle in the direction indicated by the white arrow. Raise the platform to the highest position and measure the platform height.
 - **Result:** The platform height shall not exceed 27 feet (8.2 meters).
56. Turn the Indoor/Outdoor select switch to the Indoor mode side.
57. Press and hold the function enable switch on the control handle.
58. Slowly move the control handle in the direction indicated by the white arrow. Raise the platform to the highest position and measure the platform height.
 - **Result:** The platform continued to rise to a height of about 30 feet (9.1 meters).
59. Turn the Indoor/Outdoor select switch to the Outdoor mode side.
 - **Result:** The alarm should sound.
60. Turn the Indoor/Outdoor select switch to the Indoor mode side and fully lower the platform.



Manual Functions

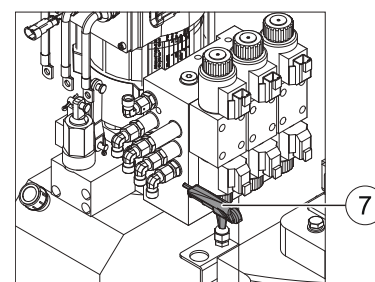
To Lift/Lower the Mast

61. Open the turntable cover opposite of the ground controls.
62. Locate the mast function valve (#3) on the function manifold.
63. Insert the manual hand pump handle into the pump.
64. Use the wrench to actuate the valve, and then move the handle up and down.
 - **Result:** The mast should rise.
65. Activate the up function and raise the mast approximately 2 feet (60 centimeters).
66. Pull the emergency lowering knob located the chassis.
 - **Result:** The platform should lower. The descent alarm will not sound.



To Rotate the Turntable

67. Locate the turntable rotate left valve (#5) on the function manifold.
68. Insert the manual hand pump handle into the pump.
69. Use the wrench to actuate the valve, and then move the handle up and down.
 - **Result:** The turntable rotate steer to the left.
70. Locate the turntable rotate right valve (#2) on the function manifold.
71. While actuating the valve, move the handle up and down.
 - **Result:** The turntable rotate steer to the right.



- 1) Steer Right Valve
- 2) Turntable Rotate Right Valve
- 3) Mast Function Valve
- 4) Steer Left Valve
- 5) Turntable Rotate Left Valve
- 6) Jib Boom Function Valve
- 7) Wrench
- 8) Test Port (M Port)

ILLUSTRATION No.
ART_8075

To Lift/Lower the Jib Boom

72. Locate the jib boom function valve (#6) on the function manifold.
73. Use the wrench to hold the button, and then move the handle up and down.
74. **Result:** The jib boom should rise. Activate the up function and raise the jib boom. Raise the jib boom until the platform floor is approximately 3.3 feet (1.0 meter) from the ground. Lowering the jib boom using one of the following methods.
 - Method 1: Turn the cap on the jib boom valve counterclockwise to open the valve.
 - Method 2: Pull out the cap on the jib boom valve to open the valve.
 - **Result:** The platform should lower. The descent alarm will not sound.

To Steer

75. Locate the steer left valve (#4) on the function manifold.
76. Insert the manual hand pump handle into the pump.
77. Use the wrench to hold the button, and then move the handle up and down.
 - **Result:** The tires steer to the left.
78. Locate the steer right valve on the function manifold.
79. Use the wrench to hold the button, and then move the handle up and down.
 - **Result:** The tires steer to the right.

Note: When the cover cannot be opened in special position, remove the cover and then use manual operation.

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. Know and understand the safety rules before going on to the next section.
 2. Always perform a pre-operation inspection.
 3. Always perform function tests prior to use.
 4. Inspect the workplace.
 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 vertical 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.

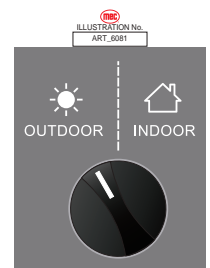
Using the machine for anything other than lifting personnel, along with their tools and materials, to an aerial work site is unsafe and dangerous.

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.

Indoor/Outdoor Select Functions

To select the Indoor/Outdoor Mode turn the switch to select the mode you want.

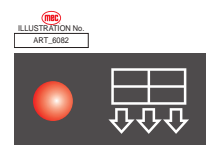
- **INDOOR**
 - Select to allow unrestricted height when not exposed to wind.
- **OUTDOOR**
 - Select to limit the maximum height when exposed to wind.



Overload Indicator Light

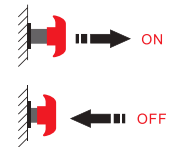
Indicates too much weight on the platform.

Remove weight from the platform to restore function and continue.



Emergency Stop

1. Push in the red Emergency Stop button to the off position (pushed in) at the ground controls or at the platform controls to stop all machine functions.
2. Repair any function that operates when either red Emergency Stop button is pushed in.



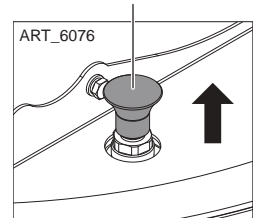
ART_3353

Emergency Operating

To Lower the Mast

3. Pull the emergency lowering knob.

Mast Emergency Lowering Knob
(Pull up to lower mast!)



ART_6076

To Lower the Jib Boom

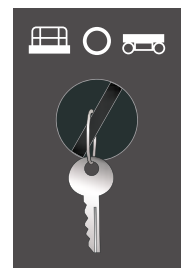
4. Methods for opening valve:
 - Method 1: Turn the cap on the jib boom valve counterclockwise to open the valve.
 - Method 2: Pull out the cap on the jib boom valve to open the valve.

To Rotate the Turntable

5. Locate the turntable rotate left/right valve on the function manifold.
6. Insert the manual hand pump handle into the pump.
7. Use the wrench to hold the button, and then move the handle up and down.

Operation from Ground

8. Turn the key switch to the ground control.
9. Pull out the ground red Emergency Stop button to the on position (pulled out). Turn the platform red Emergency Stop button clockwise to the on position (pulled out).



ART_4989

To Position Platform

10. Push and hold the appropriate function button.
11. Press and hold the movement select switch.

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

Operation from Platform

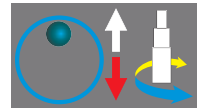
12. Turn the key switch to the platform control.
13. Pull out the ground red Emergency Stop button to the on position (pulled out).
Turn the platform red Emergency Stop button clockwise to the on position (pulled out).
14. Be sure the battery pack is connected before operating the machine.



To Position Platform

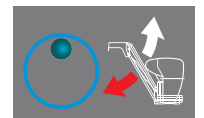
To Mast

15. Press the Mast Telescoping/Turntable Rotation select button.
16. Press and hold the function enable switch on the control handle.
17. Move the control handle according to the markings on the control panel.
18. Turn the turntable rotate with the thumb rocker switch located on the top of the control handle.



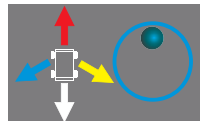
To Jib Boom

19. Press the Jib Lifting/Lowering select button.
20. Press and hold the function enable switch on the control handle.
21. Move the control handle according to the markings on the control panel.



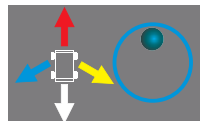
To Steer

22. Press the Drive Function select button.
23. Press and hold the function enable switch on the control handle.
24. Turn the steer wheels with the thumb rocker switch located on the top of the control handle.



To Drive

25. Press the Drive Function select button.
26. Press and hold the function enable switch on the control handle.
27. 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 color-coded direction arrows on the platform controls and on the chassis to identify the direction the machine will travel.
 - Machine travel speed is restricted when the mast or jib boom is raised.



Manual Operating

To raise the Mast

28. Open the turntable cover opposite the ground controls.
29. Locate the mast function valve on the function manifold.
30. Insert the manual hand pump handle into the pump.

31. Use the wrench to hold the button, and then move the handle up and down.

To raise the Jib Boom

32. Locate the jib boom function valve on the function manifold.

33. Use the wrench to hold the button, and then move the handle up and down.

To Steer

34. Locate the steer left/right valve on the function manifold.

35. Insert the manual hand pump handle into the pump.

36. Use the wrench to hold the button, and then move the handle up and down.

Driving on a slope

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

- Maximum slope rating, stowed position 25%
- Maximum side slope rating, stowed position 10%

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

Press the drive speed button to the fast drive speed mode.

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 3.3 feet (1.0 meter) long
- Tape measure

Lay the piece of wood on the slope.

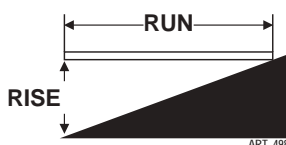
At the downhill end, lay the level on the top edge of the piece of wood and lift the end until the piece of wood is level.

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 = 12 feet / 3.6 meters
- Rise = 12 inches / 0.3 meters
- $12 \text{ inches} \div 12 \text{ feet} = 0.083 \times 100 = 8.3\%$
- $0.3 \text{ meters} \div 3.6 \text{ meters} = 0.083 \times 100 = 8.3\%$



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.

Battery and Charger Instructions

Observe and Obey:

- Do not use an external charger or booster battery.
- Charge the battery in a well-ventilated area.
- Use proper AC input voltage for charging as indicated on the charger.

1. Be sure the batteries are connected before charging.

For Maintenance-free batteries

1. Connect the battery charger to a grounded AC circuit.
2. The charger will indicate when the battery is fully charged.

For lead-acid batteries

1. Remove the battery vent caps and check the battery acid level. If necessary, add only enough distilled water to cover the plates. Do not overfill prior to the charge cycle.
2. Replace the battery vent caps.
3. Connect the battery charger to a grounded AC circuit.
4. The charger will indicate when the battery is fully charged.
5. Check the battery acid level when the charging cycle is complete. Replenish with distilled water to the bottom of the fill tube. Do not overfill.

Dry Battery Filling and Charging Instructions

1. Remove the battery vent caps and permanently remove the plastic seal from the battery vent openings.
2. Fill each cell with battery acid (electrolyte) until the level is sufficient to cover the plates.

Do not fill to maximum level until the battery charge cycle is complete. Overfilling can cause the battery acid to overflow during charging. Neutralize battery acid spills with baking soda and water.

3. Install the battery vent caps.
4. Charge the battery.
5. Check the battery acid level when the charging cycle is complete. Replenish with distilled water to the bottom of the fill tube. Do not overfill.

In order to achieve an optimal service life, discharge of over 60% of the rated capacity should be avoided. Discharge of over 80% of the rated capacity is a deep discharge and is not permissible. These significantly reduce the service life of the battery. Only those discharge state indicators that have been approved by the battery manufacturer may be used.

Discharged batteries must be charged immediately and must not remain in discharged state. This also applies to batteries in a state of deep discharge. Otherwise, the service life of the battery will be significantly reduced. The battery may freeze when in a discharged state. Charge the battery immediately when the machine displays "W4" or "W27" alarm code during work.

During the charging process if temperatures are consistently higher than 104°F (40°C) or lower than 59°F (15°C), stop charging to check whether the battery and charger are normal.


Transport and Lifting instructions

Observe and Obey:

- The transport environment temperature should be within -13°F(-25°C) to 131°F(55°C)
- Common sense and planning must be applied to control the movement of the machine when lifting it with a crane or forklift.
- Only qualified aerial lift operators should move the machine on or off the truck.
- The transport vehicle must be parked on a level surface.
- The transport vehicle must be secured to prevent rolling while the machine is being loaded.
- 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.
- The machine must be on a level surface or secured before releasing the brakes.
- Only qualified forklift operators should lift the machine with a forklift.
- 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.

Brake Release Operation

If you need to, refer to the Lower controls on page 15 for guidance on the menu buttons.

1. Chock the wheels to prevent the machine from rolling.
2. Pull out both the platform red Emergency Stop and lower red Emergency Stop button to the on position (pulled out).
3. Turn the key switch to the “ground” position then press the Menu button  to enter the Menu screen.
4. Press either the “Up” button or the “Down” button to select option #4 which is “ManuReleBrake.”
5. Press the “Enter” button. The horn will sound signaling that all brakes have been released.
6. To reset the brakes, push the emergency stop switch or turn the key switch to the Off position (pushed in).

If the machine must be towed, do not exceed 2.8mph (4.5km/h).

Securing to Truck or Trailer for Transit

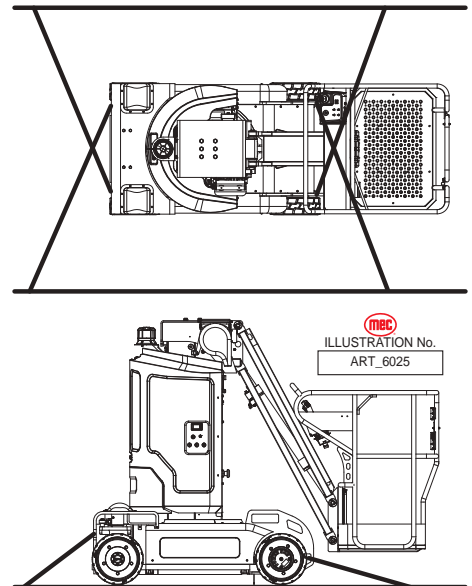
Turn the key switch to the off position and remove the key before transporting. Inspect the entire machine for loose or unsecured items.

Securing the Chassis

Use chains of ample load capacity.

Use a minimum of 4 chains.

Adjust the rigging to prevent damage to the chains.

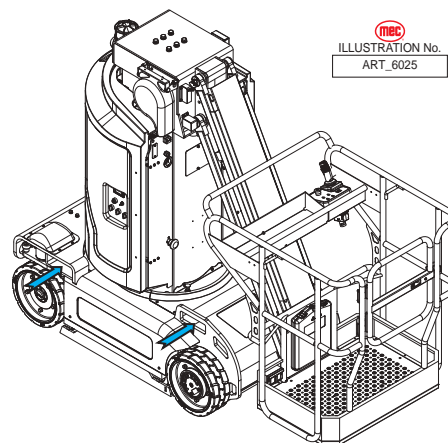


Lifting the Machine with a Forklift

Be sure the controls and component trays are secure. Remove all loose items on the machine. Fully lower the platform. The platform must remain lowered during all loading and transport procedures.

Position the forklift forks in position as the figure above. Drive forward to the full extent of the forks. Raise the machine 6 inches (15 centimeters) and then tilt the forks back slightly to keep the machine secure.

Be sure the machine is level when lowering the forks.

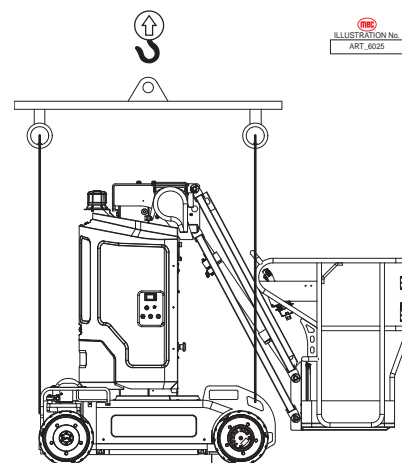


Lifting Instructions

Fully lower the mast and jib boom. Remove all loose items on the machine.

Attach the rigging only to the designated lifting points on the machine. There are two lifting points on the front and back of the chassis.

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



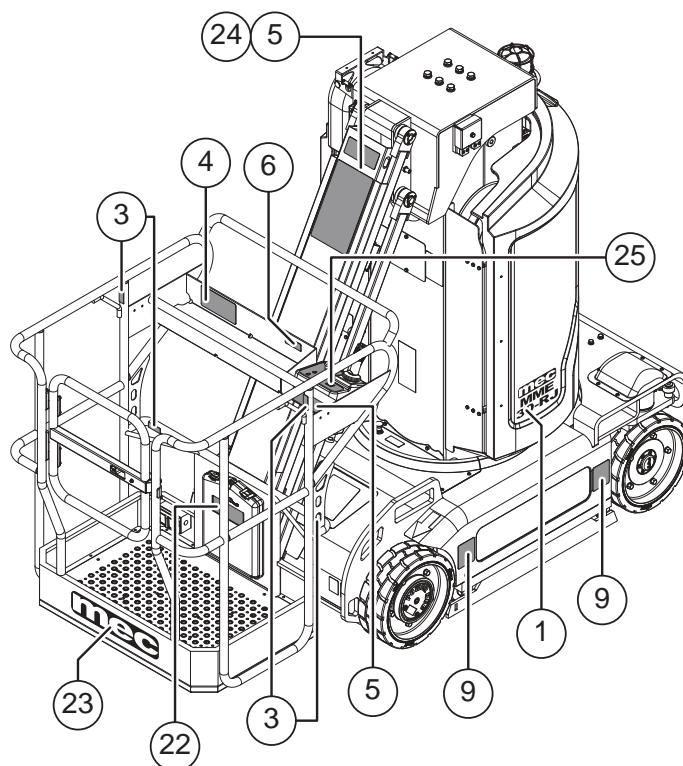
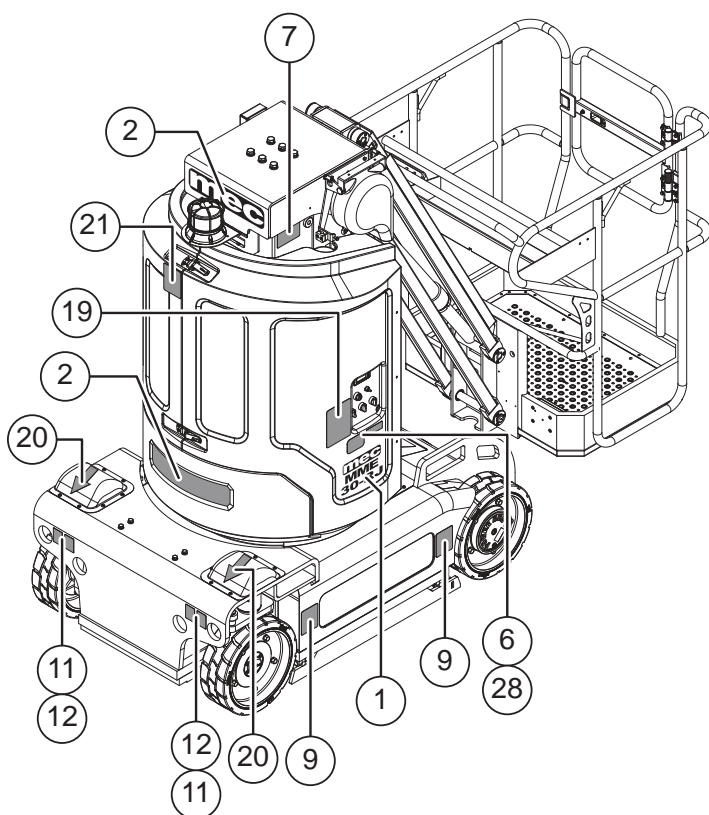
Storage Procedure

The machine should be stored as mentioned below if it will not be used for a long time.

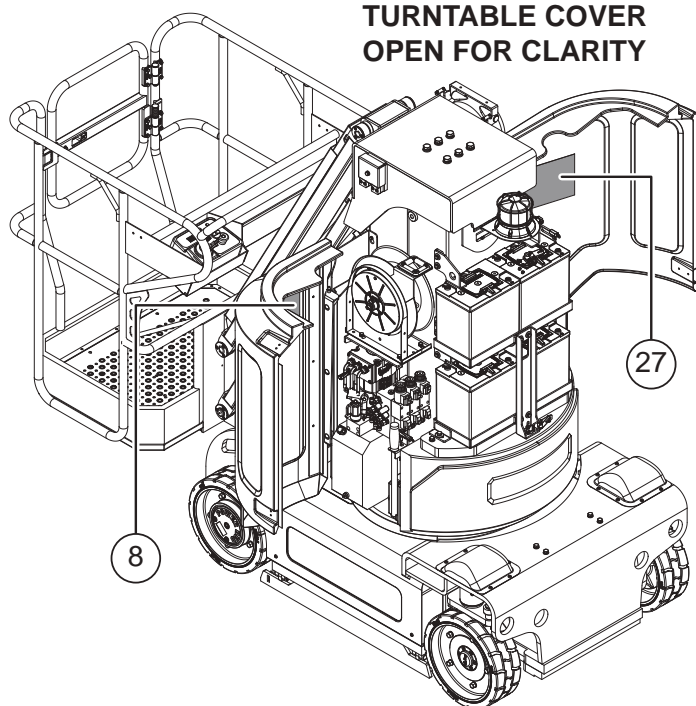
- The environment temperature should be within -4°F(-20°C) to 104°F(40°C)
 - The environment humidity ≤ 90%.
1. The machine should be stored indoors with the ground being firm and level. If the machine is stored outdoors then it should be covered to protect from the environment.
 2. Ensure the machine has been cleaned and is functional, before being stored. Repair or maintain the machine if necessary prior to storage.
 3. Place the machine in a suitable position so as to drive or move the machines conveniently.
 4. How to store the batteries
 - The batteries should be removed from the machine and be stored in a place where it is dry and well ventilated. Keep the batteries clean and ensure that nothing is placed on top of them.
 - The battery connections should be disconnected from the negative pole first and then the positive pole.
 - The batteries should be connected first by first connecting the positive cable line to the positive pole then connect the negative cable line to the negative pole.
 - The batteries should be charged one time every month.
 5. Rust protection
 - Inspect the paint before the machine is stored and repaint if necessary.

The machine can not be used until it has been inspected and maintained according to the daily check procedure.

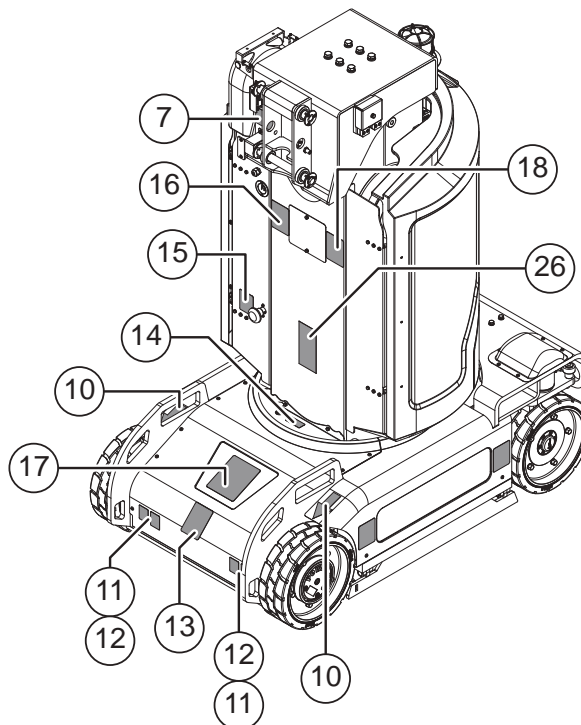
Decals



**TURNTABLE COVER
OPEN FOR CLARITY**



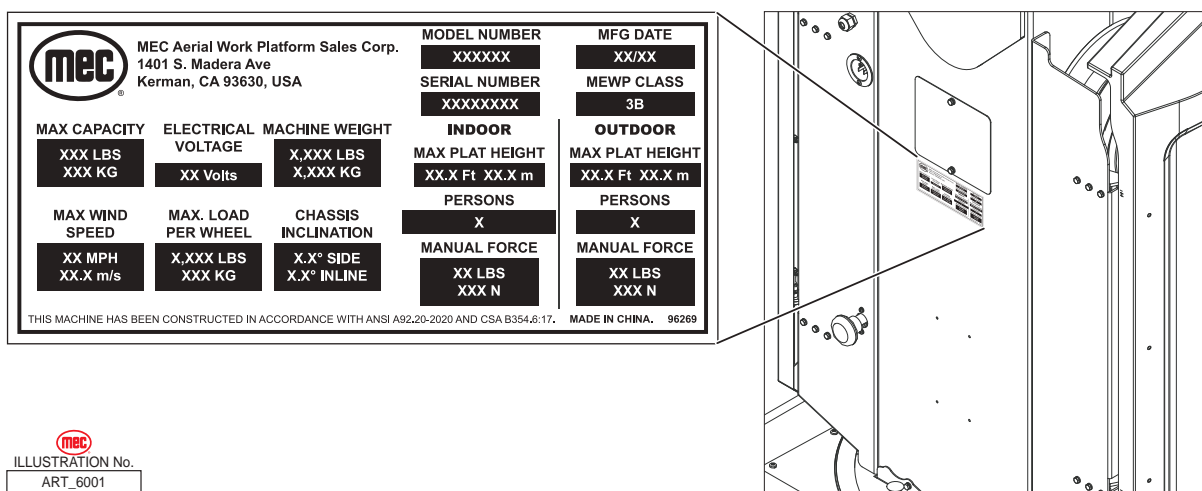
**PLATFORM AND JIB
REMOVED FOR CLARITY**



<p>1</p>  <p>96244 Qty. - 2</p>	<p>2</p>  <p>96259 Qty. - 2</p>	<p>3</p>  <p>41648 Qty. - 4</p>	<p>4</p>  <p>46726 Qty. - 1</p>	<p>5</p>  <p>96263 Qty. - 2</p>
<p>6</p>  <p>41639 Qty. - 2</p>	<p>7</p>  <p>46727 Qty. - 2</p>	<p>8</p>  <p>46641 Qty. - 1</p>	<p>9</p>  <p>46728 Qty. - 4</p>	<p>10</p>  <p>46729 Qty. - 2</p>
<p>11</p>  <p>41635 Qty. - 4</p>	<p>12</p>  <p>41634 Qty. - 4</p>	<p>13</p>  <p>46730 Qty. - 1</p>	<p>14</p>  <p>41636 Qty. - 1</p>	<p>15</p>  <p>41637 Qty. - 1</p>
<p>16</p>  <p>46724 Qty. - 1</p>	<p>17</p>  <p>46732 Qty. - 1</p>	<p>18</p>  <p>46725 Qty. - 1</p>	<p>19</p>  <p>46733 Qty. - 1</p>	<p>20</p>  <p>46731 Qty. - 2</p>
<p>21</p>  <p>46774 Qty. - 1</p>	<p>22</p>  <p>8911 Qty. - 1</p>	<p>23</p>  <p>94114 Qty. - 1</p>	<p>24</p>  <p>41652 Qty. - 1</p>	<p>25</p>  <p>47404 Qty. - 1</p>
<p>26</p>  <p>96269 Qty. - 1</p>	<p>27</p>  <p>96368 Qty. - 1</p>	<p>28</p>  <p>96341 Qty. - 1</p>		

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.

Serial Plate Description

MODEL NUMBER: Identifies the machine.

MFG DATE: Month / Year of manufacture.

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

MEWP CLASS: MEWP=Mobile Elevating Work Platform

MAX. CAPACITY: The maximum safe load (material, persons + equipment) which can be correctly placed on the platform at any elevation.

ELECTRICAL VOLTAGE: The voltage at which this machine operates.

MAX. PLATFORM HEIGHT (INDOOR): The indoors maximum attainable height measured from level ground surface to platform floor.

PERSONS (INDOOR): The maximum number of occupants indoors.

MANUAL FORCE (INDOOR): Amount of manual force need to move machine indoors.

MAX. PLATFORM HEIGHT (OUTDOOR): The outdoors maximum attainable height measured from level ground surface to platform floor.

PERSONS (OUTDOOR): The maximum number of occupants outdoors.

MANUAL FORCE (OUTDOOR): Amount of manual force need to move machine outdoors.

MACHINE WEIGHT: The weight of the machine with no options.

MAX WIND SPEED: The maximum wind speed for safe working conditions.

MAX. LOAD PER WHEEL: The maximum safe weight applied to each wheel. Calculated with all available options installed. $F_w = 30\% (W_m + W_c + W_{opt})$

CHASSIS INCLINATION: The angle at which the tilt alarm sounds.



MEC Parts Order Form

Phone: 559-842-1523

Fax: 559-400-6723

Email: Parts@mecawp.com

Please Fill Out Completely:

Date: _____

Account: _____

Bill to: _____

Ordered By: _____

Your Fax No.: _____

Ship to: _____

Purchase Order Number _____

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

Ship VIA _____

***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.



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