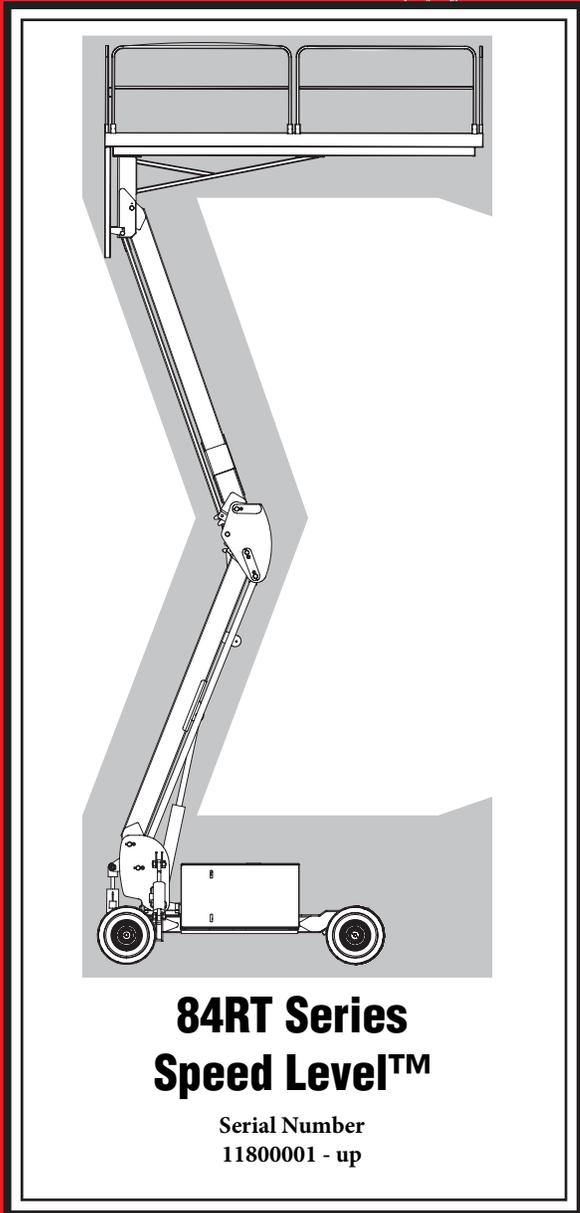


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84RT Series Speed Level™

Serial Number
11800001 - up

91857rev2
February 2013

—Specifications—

	2684RT		3084RT		
Working Height*	32 ft*	10.0 m*	36 ft*	11.0 m*	
Platform Height	26 ft	7.9 m	30 ft	9.0 m	
Stowed Height	Rails Up	107 in	2.72 m	105 in	2.67 m
	Rails Folded Down	72 in	1.83m	70 in	1.78 m
Maximum Occupants		5		5	
	On Slide-Out Extension	2		N/A	
Lift Capacity	1700 lbs	770 kg	1500 lbs	680 kg	
Slide-Out Deck Capacity	700 lbs	320 kg	N/A		
Platform Dimensions	Length (inside rails)	12 ft 2 in	3.71 m	14 ft	4.27 m
	Length (platform extended)	16 ft 2 in	4.93 m	N/A	
	Platform Width (inside rails)	72 in	1.83 m	72 in	1.83 m
	Guardrail Height	43.5 in	1.1 m	43.5 in	1.1 m
	Toeboard Height	6 in	15 cm	6 in	15 cm
Overall Length	13 ft 2 in	4.0 m	14 ft 6 in	4.4 m	
Overall Width	84 in		2.13 m		
Wheel Base	100 in		2.54 m		
Wheel Track	72 in		1.83 m		
Turning Radius	Inside	8 ft		2.44 m	
	Outside	16 ft 8 in		5.08 m	
Ground Clearance	10 in		25 cm		
Machine Weight** (Unloaded)(Approximate)	7800 lb**	3535 kg**	8100 lb**	3674 kg**	
Drive System (Proportional)					
Drive Speed - Platform elevated	0-.5 mph		0-.8 km/h		
Drive Speed - Platform lowered	0-3.2 mph		0-5 km/h		
Lift/Lower Speeds (Approximate)	35 sec/40 sec				
Gradeability	40%		22°		
Ground Pressure/Wheel (Maximum)	90 psi	6.3 kg/cm ²	94 psi	6.6 kg/cm ²	
Wheel Load	2855 lb	1295 kg	2965 lb	1345 kg	
Wind Speed (Maximum)	28 mph		45 km/h (12.5 m/s)		
Tire Size - Standard	26 x 12D / 380NHS				
Tire Pressure	55 psi / 3.79 bar				
Wheel Lug Nut Torque	75-85 ft/lb		102-115 Nm		
Hydraulic Pressure	Main System	3200 psi		220 bar	
	Lift System	2800 psi		193 bar	
	Steering System	2000 psi		138 bar	
Hydraulic Fluid Capacity	23 gallon		87 liters		
Engine	Diesel: Kubota D1105E, 25HP (18.6 kW), Liquid Cooled Dual Fuel: Kubota D752e 22 HP (16.4 kW), Liquid Cooled				
Fuel Capacity	15 gallon		57 liters		
Ambient Operating Range	-22° F (-30° C) minimum; 122° F (50° C) maximum				
Leveling	Side/Side	14°			
	Fore/Aft	10°			
Operating Inclination	Manual and self-leveling, side/side to 14°, fore/aft to 10°				
Brakes	Dual Rear Wheel Multi-disc				
Meets requirements of ANSI 92.6:2006 and CSA B354.4. Speed Level™ is a trademark of MEC.					
*Working Height adds 6 feet (2 m) to platform height.					
**Weight may increase with certain options or country standards.					

Introduction

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



The Operator's Manual must be read and understood prior to operating your MEC Aerial Work Platform. The user/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 on 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 operator(s) 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 should 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 user and all operating personnel.

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



MEC Aerial Platform Sales Corp.

1401 S. Madera Avenue, Kerman, CA 93630 USA

Toll Free: 1 - 877 - 632 - 5438

Phone: 1 - 559 - 842 - 1500

Fax: 1 - 559 - 842 - 1520

info@MECawp.com

www.MECawp.com

Safety

DO NOT operate this machine until you have read and understood the Safety section of this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the jobsite for hazards, and have learned the operating procedures for this machine.

Failure to read, understand and follow all safety rules, warnings, and instructions will unnecessarily expose you and others to dangerous situations. 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 be safe and reliable. They are intended to position personnel, along with their necessary tools and materials, to overhead work locations. The owner/user/operator of the machine should not accept responsibility for the operation of the machine unless properly trained.

ANSI A92.5 and other applicable standards identify requirements of all parties who may be involved with self-propelled elevating work platforms. The A92.5 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 specified in Section 6.7 of ANSI A92.5-2006 must be performed at designated intervals as prescribed

Never perform service on the machine with the platform elevated without first blocking the boom assembly (see *Maintenance Safety* on page 28).

California Proposition 65 Warning

This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

Safety Alert Symbols

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



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



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



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



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

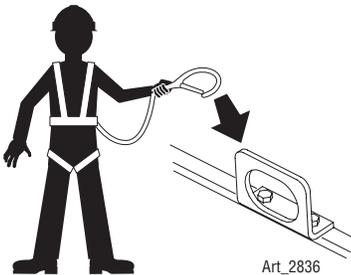
Fall Protection

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.

ALWAYS wear an approved fall restraint properly attached to a designated anchorage point when driving or operating the machine. Attach only one fall restraint to each anchorage point.



Electrocution Hazard



ELECTROCUTION HAZARD!!! THIS MACHINE IS NOT INSULATED!

DEATH OR SERIOUS INJURY will result from contact with or inadequate clearance from any electrically charged conductor.

You must maintain a CLEARANCE OF AT LEAST 10 FEET (3.05 m) between any part of the machine, or its load, and any electrical line or apparatus carrying over 300 Volts up to 50,000 Volts. One foot (30.5 cm) additional clearance is required for every additional 30,000 Volts.

Observe Minimum Safe Approach Distance.

DO NOT work in close proximity to, or in contact with, energized power lines and electrical equipment. This machine is not insulated and WILL NOT protect the operator from injury or the machine from damage.

Refer to Table and all applicable governmental regulations for the minimum safe distances from energized power lines and electrical equipment.



ART_3070



ART_3060

Minimum Safe Approach Distance

Voltage Phase to Phase	Minimum Safe Approach Distance	
	Feet	Meters
0 to 300 Volts	Avoid Contact	
Over 300V to 50kv	10	3.05
Over 50KV to 200KV	15	4.60
Over 200KV to 350KV	20	6.10
Over 350KV to 500KV	25	7.62
Over 500KV to 750KV	35	10.67
Over 750KV to 1000KV	45	13.72

DO NOT touch the machine if it contacts energized power lines.

Personnel in the platform:

- Move away from the platform rails,
- DO NOT attempt to operate the machine, and
- DO NOT touch any part of the machine until energized power lines are shut off.

Personnel on the ground:

- DO NOT approach the machine and
- DO NOT touch or attempt to operate the machine until energized power lines are turned off.

Do not operate the machine during electrical storms or lightning.

DO NOT use the machine as a ground for welding unless properly equipped with a weld line to platform option.

Tip-over Hazards



ART_3065
DO NOT OVERLOAD

DO NOT exceed the maximum platform capacity (see Specifications). The weight of options and accessories will reduce the rated platform capacity and must be factored into the total platform load. Refer to the decals on the options.

DO NOT elevate the platform when the machine is on a surface that is soft, non-planar, or exceeds the leveling range of the machine.

The tilt alarm will sound when the machine is off level. If the alarm sounds when the platform is lowered, DO NOT attempt to elevate the platform. Carefully lower, re-level the machine, or move the machine to a surface within the leveling range.

If the alarm sounds when the platform is raised, use extreme caution to lower the platform.

Driving in stowed position: use extreme care and slow speeds when driving across uneven terrain, debris, unstable or slippery surfaces, and near holes or drop-offs.

Driving with the platform elevated: DO NOT drive on or near uneven terrain, unstable surfaces or other hazardous conditions.

DO NOT push off or pull toward any object outside the platform.



ART_3064
DO NOT ELEVATE OR DRIVE ELEVATED ON A SURFACE THAT EXCEEDS THE LEVELING RANGE

Maximum Allowable Side Force

ANSI and CSA	CE and AUS
250 lbs (1100 N)	90 lbs (400 N)



ART_3063
DO NOT DRIVE ON IRREGULAR OR UNSTABLE SURFACE

DO NOT elevate the platform when wind speeds are in excess of 28 m.p.h. (12.5 m/s). If these wind speeds occur when the platform is elevated, carefully lower and discontinue operation.

DO NOT increase the surface area of the platform (i.e. cover the rails with tarp or plywood). Increased surface area exposed to the wind will decrease machine stability.

DO NOT attach overhanging loads or use the machine as a crane.

DO NOT transport tools and materials unless they are evenly distributed and can be safely handled by personnel in the platform. Secure all tools and loose materials to prevent injury to personnel below the platform.

DO NOT alter or disable machine components that may affect safety and stability.

DO NOT replace items critical to machine stability with items of different weight or specification.

DO NOT modify or alter the work platform without written permission from MEC, as modifications can increase weight and/or surface area resulting in instability.

DO NOT place ladders or scaffolds in the platform or against any part of the machine.

DO NOT use the machine on a moving or mobile surface or vehicle.

Ensure that all tires are in good condition, air filled tires are properly inflated and lug nuts are properly torqued.



ART_3069
DO NOT PUSH OR PULL OBJECTS OUTSIDE PLATFORM



ART_3071
DO NOT ELEVATE IN WINDY CONDITIONS



ART_3059
DO NOT USE AS CRANE

Fall Hazards



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

DO NOT exit the platform when elevated

DO NOT climb down from the platform when elevated.

Keep the platform floor clear of debris.

DO NOT fasten a fall restraint lanyard to an adjacent structure.

Ensure that the entry is properly closed before operating the machine.

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

Collision Hazards



Be aware of blind spots while operating this machine.

Watch for overhead obstructions when elevating the platform.

Watch for crushing hazards when holding the platform rail.

Reduce travel speed when moving the machine on slopes, when near personnel and obstacles, or when surface conditions are wet, slippery or otherwise limiting.

DO NOT operate in the path of any crane unless the controls of the crane have been locked out and/or precautions have been taken to prevent any possible collision.

Stunt driving and horseplay are PROHIBITED.

Additional Safety Hazards

Explosion and Fire Hazards

DO NOT operate the machine in hazardous locations or locations where potentially flammable or explosive gasses or particles may be present.

Damaged Machine Hazards

Conduct a thorough pre-start inspection of the machine and test all functions before each work shift to check for damage, malfunction and unauthorized modification. Tag and remove a damaged, malfunctioning or modified machine from service. DO NOT use a damaged, malfunctioning or modified machine.

Routine maintenance must be performed by the operator before each work shift. Scheduled maintenance must be performed by a qualified service technician at scheduled intervals. Tag and remove from service any machine that has not had scheduled preventative maintenance performed.

Check that all safety and instructional decals are in place and undamaged.

Check that the operator's, safety and responsibilities manuals are present in the storage container located in the platform. All manuals must be complete, undamaged and readable.

Bodily Injury Hazards

DO NOT operate the machine when there is a hydraulic fluid or air leak. Hydraulic fluid or air under pressure can penetrate and/or burn skin.

All compartments must remain closed and secure during machine operation. Improper contact with components under any cover will cause serious injury. Only trained maintenance personnel should access compartments. The operator should only access a compartment when performing pre-operation inspection.

Weld Line to Platform Safety (if equipped)

Read, understand and follow all warnings and instructions provided with the welding power unit.

DO NOT connect weld leads or cables unless the welding power unit is turned off at the platform controls.

DO NOT operate unless the weld cables are properly connected.

Battery Safety

Burn Hazards

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.

Explosion Hazard

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

Electrocution Hazard

Avoid contact with electrical terminals.

Jobsite Inspection

DO NOT operate this machine until you have read and understood the Safety section of this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the jobsite for hazards, and have learned the operating procedures for this machine.

Inspect the jobsite and determine whether the jobsite is suitable for safe machine operation. Do this before moving the machine to the jobsite.

Be aware of changing jobsite conditions, and continue to watch for hazards while operating the machine.

Operators must comply with employer, job site and governmental rules regarding the use of personal protective equipment – see “Fall Protection” on page 3.

Workplace Inspection

Check the jobsite where the machine will be used for all possible hazards, including but not limited to:

- drop-offs or holes, including those concealed by water, ice, mud, etc.
- unstable or slippery surfaces
- bumps, surface obstructions and debris
- overhead obstructions and electrical conductors
- hazardous locations and atmospheres
- inadequate surface and support to withstand all load forces imposed by the machine
- wind and weather conditions
- the presence of unauthorized personnel
- other possible unsafe conditions

Functions Test

DO NOT operate this machine until you have read and understood the Safety section of this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the jobsite for hazards, and have learned the operating procedures for this machine.

The operator must conduct a Functions Test of the machine before each work shift to check that all machine systems are working properly.

Test the machine on a firm level surface with no debris, drop-offs, potholes or overhead obstructions. Perform each test outlined in *Operating Instructions* before using the machine.

DO NOT use a machine that is malfunctioning. If any function does not perform as described, tag the machine and remove for repair by a qualified service technician. After repairs are completed, a Pre-Start Inspection and Functions Test must be performed before using the machine.

Operating Instructions

DO NOT operate this machine until you have read and understood the Safety section of this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the jobsite for hazards, and have learned the operating procedures for this machine.

This section provides instructions for each function of machine operation. Follow all safety rules and instructions.

This machine may be operated by trained and authorized personnel only. If multiple operators use this machine, all must be qualified and authorized to use it. New operators must perform a Pre-Start Inspection (see page 23) and Functions Test prior to operating the machine.

Operators must comply with employer, job site and governmental rules regarding the use of personal protective equipment – see “Fall Protection” on page 3.

Prestart

- Perform *Prestart Inspection* (see page 23).
- Check base control EMERGENCY STOP switch – turn clockwise to reset.

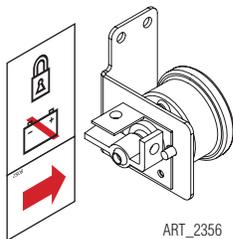


ART_2506 R2



ART_2507 R2

- Check platform control EMERGENCY STOP switch – turn clockwise to reset.



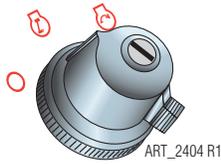
ART_2356

- Check Battery Disconnect switch in control module next to lower control box. Must be in ON position.

Starting Engine from Lower Control Panel

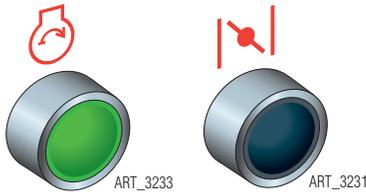
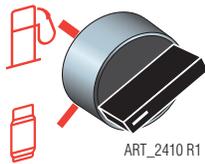
Be sure that the upper and lower EMERGENCY STOP Switches are reset.

- **Upper Control Box:** Turn Engine Start Switch to RUN.



- **Lower Control Box:** Turn key switch to BASE.

Dual Fuel Engine



Fuel selection can be made before starting the engine or while engine is running. If fuel selection is made while engine is running, only a *minor* hesitation should occur.

- Turn the Fuel Selector Switch to the desired fuel, GASOLINE or PROPANE.

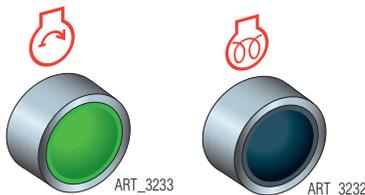
- Press and hold the START button - release the button when the engine starts.

Note: Cold starts may require the CHOKE button to be pressed while pressing the START button.

CAUTION—PREVENT STARTER DAMAGE:

Maximum cranking time is 10 seconds. Wait 35 seconds between starting attempts. Failure to start after multiple attempts indicates possibility of another problem.

Diesel Engine



- Press and hold the START button - release the button when the engine starts.
- **Cold Start:** press and hold the GLOW button as indicated in the Preheat table.
- With the GLOW Button held press and hold the START Button until the engine starts.
- Release both buttons once the engine starts.

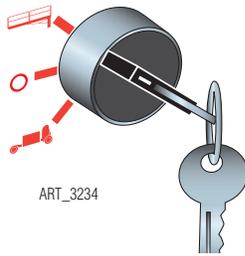
Preheat Table

Ambient Temperature	Preheat Time
Above 50°F (10°C)	5 Seconds
23°F to 50°F (-5°C to 10°C)	10 Seconds
Below 23°F (-5°C)	20 Seconds
20 Seconds = Maximum Limit of Preheat time	

CAUTION—PREVENT STARTER DAMAGE:

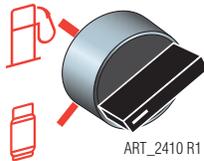
Maximum cranking time is 10 seconds. Wait 35 seconds between starting attempts. Failure to start after multiple attempts indicates possibility of another problem.

Starting Engine from Upper Control Box

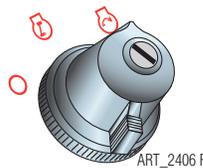


- **Lower Control Box:** Turn the Key Switch to PLATFORM.

Dual Fuel Engine



- **Lower Control Box:** Turn the Fuel Selector Switch to the desired fuel, GASOLINE or PROPANE.



- **Upper Control Box:** Turn the Engine Start Switch to START - release when the engine starts.

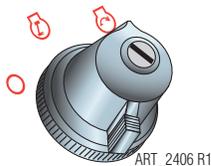


Note: Cold starts may require the CHOKE Switch be lifted and held while turning the START Switch.

CAUTION—PREVENT STARTER DAMAGE:

Maximum cranking time is 10 seconds. Wait 35 seconds between starting attempts. Failure to start after multiple attempts indicates possibility of another problem.

Diesel Engine



- **Upper Control Box:** Turn the Engine Start Switch to START - release when the engine starts.



- **Cold Start:** lift and hold the GLOW Switch as indicated in the Preheat table.
- With the GLOW Switch held, turn the START Switch until the engine starts.
- Release both switches once the engine starts.

Preheat Table

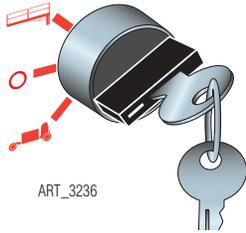
Ambient Temperature	Preheat Time
Above 50°F (10°C)	5 Seconds
50°F to 23°F (10°C to -5°C)	10 Seconds
Below 23°F (-5°C)	20 Seconds
20 Seconds = Limit of Preheat time	

CAUTION—PREVENT STARTER DAMAGE:

Maximum cranking time is 10 seconds. Wait 35 seconds between starting attempts. Failure to start after multiple attempts indicates possibility of another problem.

Base Controls Operation and Test

IMPORTANT—Be sure the area above the machine is clear of obstructions to allow full elevation of platform.



Select BASE Operation

- Turn the selector switch to BASE.



Emergency Stop

- Press the EMERGENCY STOP switch at any time to stop all machine functions.
- Turn switch *clockwise* to reset.



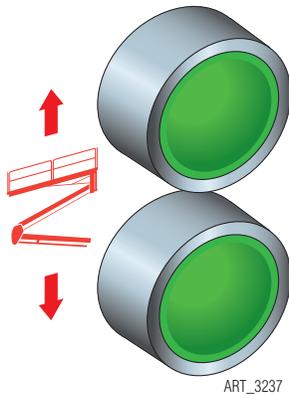
Do not elevate the platform if the machine is not on a firm level surface.

Elevate Platform

- Press and hold the RAISE button on the base control panel to elevate the platform.

Test Operation

- Elevate to maximum height.
- Releasing the button will stop elevation.
- Pressing the EMERGENCY STOP switch will stop elevation.



Lower Platform

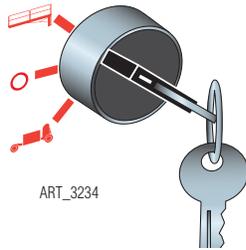
- Press the LOWER button. Release when the desired platform height is reached.

Test Operation

- Lower the platform.
- Releasing the button will stop descent.
- Pressing the EMERGENCY STOP switch will stop descent.

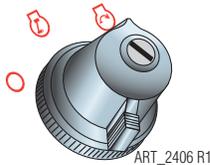
Platform Control Operation and Test

IMPORTANT—Check that the route of travel to be taken is clear of persons, obstructions, debris, holes, and drop offs, and is capable of supporting the machine.



Select PLATFORM Operation

- **Lower Control Box:** Turn the selector switch to PLATFORM.



Operate from Platform

- Enter the platform and close and secure the entry.
- Turn the Engine Start Switch to start the engine.
- If equipped, press the Horn Button to verify proper operation.



Tilt Indicator Light



- Light ON indicates the machine is not level.



Overload Light and Alarm (CE models)

- Light ON indicates too much weight on the platform.
- An audible alarm will sound from the Upper Control box and the Lower Control box.



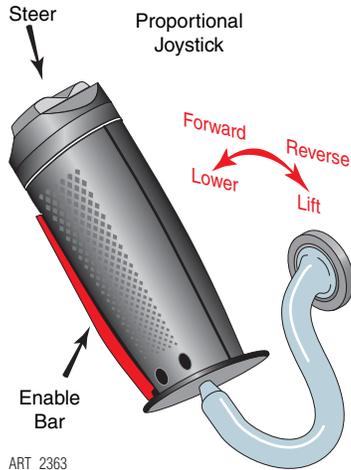
Emergency Stop

- Press the EMERGENCY STOP switch at any time to stop all machine functions.
- Turn switch *clockwise* to reset.



Activation of the EMERGENCY STOP switch will apply brakes immediately. This may cause unexpected platform movement as the machine comes to a sudden stop. Brace yourself and secure objects on the platform during operation of machine.

Joystick Operation



- Function speed is proportional and is controlled by the movement of the joystick.
- The further it is moved forward, the faster the speed will be.
- The joystick returns to the neutral (center) position when released.

! WARNING

Do not elevate platform unless guardrails are installed and secure – see “Fold Down Platform Railings” on page 20.

If the platform fails to lower DO NOT attempt to climb down the elevating assembly. Serious injury may result – see “Emergency Systems” on page 18.



Elevate Platform

- Place the MODE SELECT switch in the LIFT position.
- Squeeze the enable bar and move the joystick toward you.

Test Operation

- Rate of lift is proportional and is dependent on the movement of the joystick.
- Elevate to maximum height.
- Releasing the enable bar or the joystick will stop elevation.
- Pressing the EMERGENCY STOP switch will stop elevation.



Lower Platform

- Place the MODE SELECT switch in the LIFT position.
- Move the joystick away from you.

Test Operation

- Rate of descent is fixed - platform lowers at same rate regardless of handle position.
- Pressing the EMERGENCY STOP switch will stop descent.

! WARNING

Check that the route is clear of persons, obstructions, debris, holes and drop-offs, and is capable if supporting the machine.

IMPORTANT—Always check front steer wheel direction before driving.



Steering

- Place the MODE SELECT switch in the DRIVE position.
- Squeeze the Enable Bar.
- Press the Steering Switch with your thumb to steer left or right.

Test Operation

- Releasing the Enable Bar or Steering Switch will stop steering function.
- The steer wheels do not automatically center after a turn. The steer wheels must be returned to the straight-ahead position with the steering switch.



ART_3228

Drive Torque (Speed Control)

Drive speed is selectable until the platform is elevated above 10 Feet (3 m). When the platform is elevated the machine defaults to MID RANGE and the switch is locked-out (non functioning).

- HIGH SPEED: allows speeds up to 3 m.p.h. (4.8 km/h).
- MID RANGE: allows speeds up to 0.4 m.p.h. (0.6 km/h).
- HIGH TORQUE: use to drive up or down a slope that is too steep for normal speed.

Drive Forward

- Place the MODE SELECT switch in the DRIVE position.
- Squeeze the enable bar and move the joystick away from you.

Test Operation

- Drive speed is proportional and is dependent on the movement of the joystick.
- Releasing the enable bar or returning the joystick to the center position will stop drive.
- Pressing the EMERGENCY STOP switch will stop drive.



ART_3227

Drive Reverse

- Place the MODE SELECT switch in the DRIVE position.
- Squeeze the enable bar and move the joystick toward you.

Test Operation

- Drive speed is proportional and is dependent on the movement of the joystick.
- Releasing the enable bar or returning the joystick to the center position will stop drive.
- Pressing the EMERGENCY STOP switch will stop drive.



ART_3227

Brake

- For parking, the brake is automatically applied when the joystick is positioned in the neutral (center) position.

Leveling Procedure



Leveling of the machine can only be performed when the platform height is below the Stowed Height Limit Switch setting of approximately 10 feet (3 m).

If the TILT light is *ON*, the platform must be brought to level or the LIFT function will not operate.

When operating on a sloped surface, the platform can be brought to level using the AUTO LEVEL switch or the MANUAL LEVEL switches.

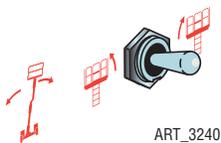
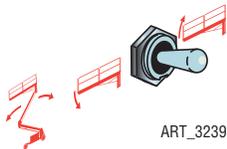
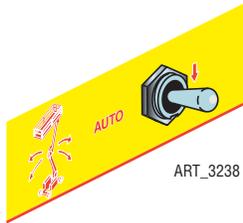


Do Not drive elevated across uneven terrain (see Tip-over Hazards on page 5).

Note: The TILT light must be *OFF* or the platform will not elevate.

Auto Level

- Move the toggle switch *DOWN* to start leveling.
- Hold the toggle switch *DOWN* until leveling operation is complete.
 - When the platform reaches the level position, the TILT light will turn *OFF* and the machine will stop correcting.



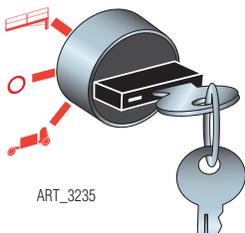
Manual Level: Front to Rear

- **Tilt to Front:** Move and hold the toggle switch to the *LEFT* to tilt the platform to the desired position.
- **Tilt to Rear:** Move and hold the toggle switch to the *RIGHT* to tilt the platform to the desired position.

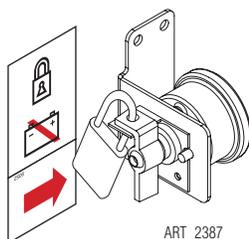
Manual Level: Side to Side

- **Tilt to Left:** Move and hold the toggle switch to the *LEFT* to tilt the platform to the desired position.
- **Tilt to Right:** Move and hold the toggle switch to the *RIGHT* to tilt the platform to the desired position.

Shutdown Procedure



- When finished with the machine, place the platform in the stowed position.
- Park the machine on a level surface.
- Turn the key switch to the OFF position and remove the key to prevent unauthorized use.
- Carefully exit the platform using a constant three (3) point dismount/grip.



- Turn the battery disconnect switch to the OFF position.
 - **Note:** Leaving the battery disconnect switch in the ON position for an extended time will drain the battery.
- Put a padlock on the battery disconnect switch to prevent unauthorized operation.

Deck Extension -- 2684 models only

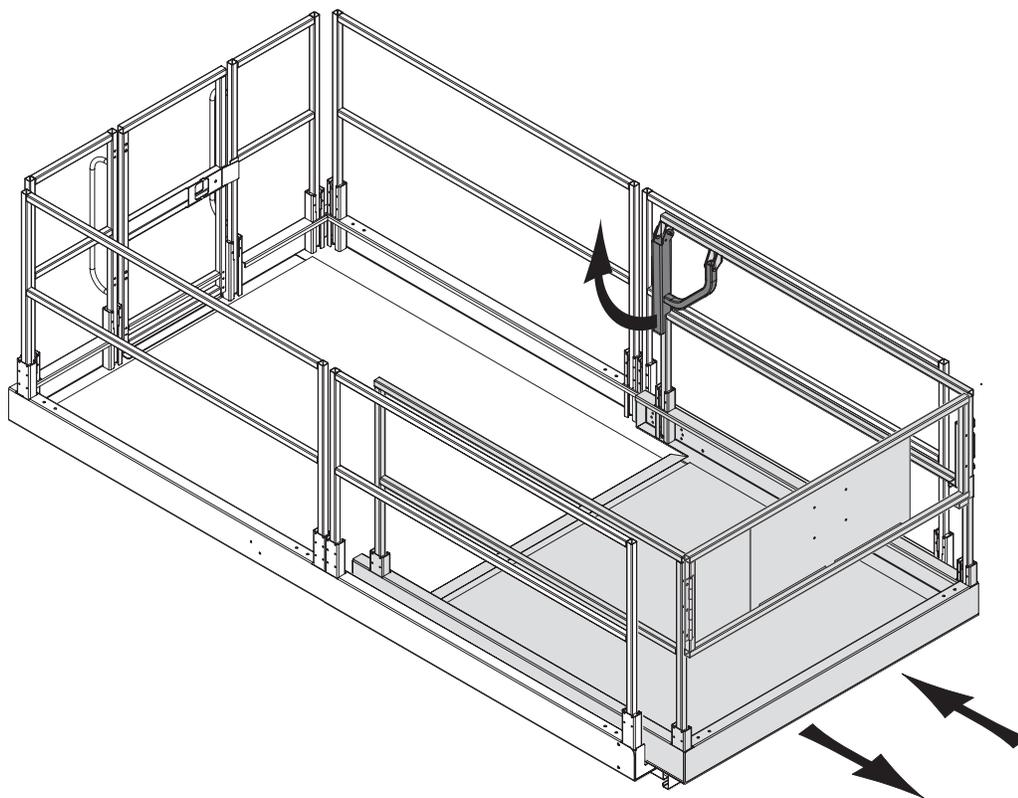
The deck will extend in intervals of 8 inches (20 cm) throughout the entire 48 inch (1.2m) length of the deck extension. The extension handle hangs from the top rail at the left side of the deck extension. The handle is used to push or pull the deck extension to the desired position.

To extend or retract the deck:

- Lift the handle to release the spring-loaded pin from the locked position.
- Push to extend or pull to retract the deck extension.
- Lower the handle enough for the spring-loaded pin to engage and continue to push or pull the deck extension until the pin locks into position.

Do not stand on the deck extension while extending or retracting it.

Check that the deck extension is locked in place before using the machine or transporting the machine by vehicle.



Emergency Systems



If the control system fails while the platform is elevated, have an experienced operator use the emergency lowering procedure to safely lower the platform.

Do not attempt to climb down elevating assembly.

Emergency Stop

The machine is equipped with an EMERGENCY STOP switch on both control panels.

- Press the EMERGENCY STOP switch at any time to stop all machine functions.
- Turn switch *clockwise* to reset.

Selector Switch set to PLATFORM

- Either switch will stop all machine functions.
- Both switches must be reset or machine will not operate.

Selector Switch is set to BASE

- The upper controls are locked out.
- The lower switch must be reset or the machine will not operate.
- The machine will operate from the lower controls if the upper controls switch is tripped.

Emergency Lowering

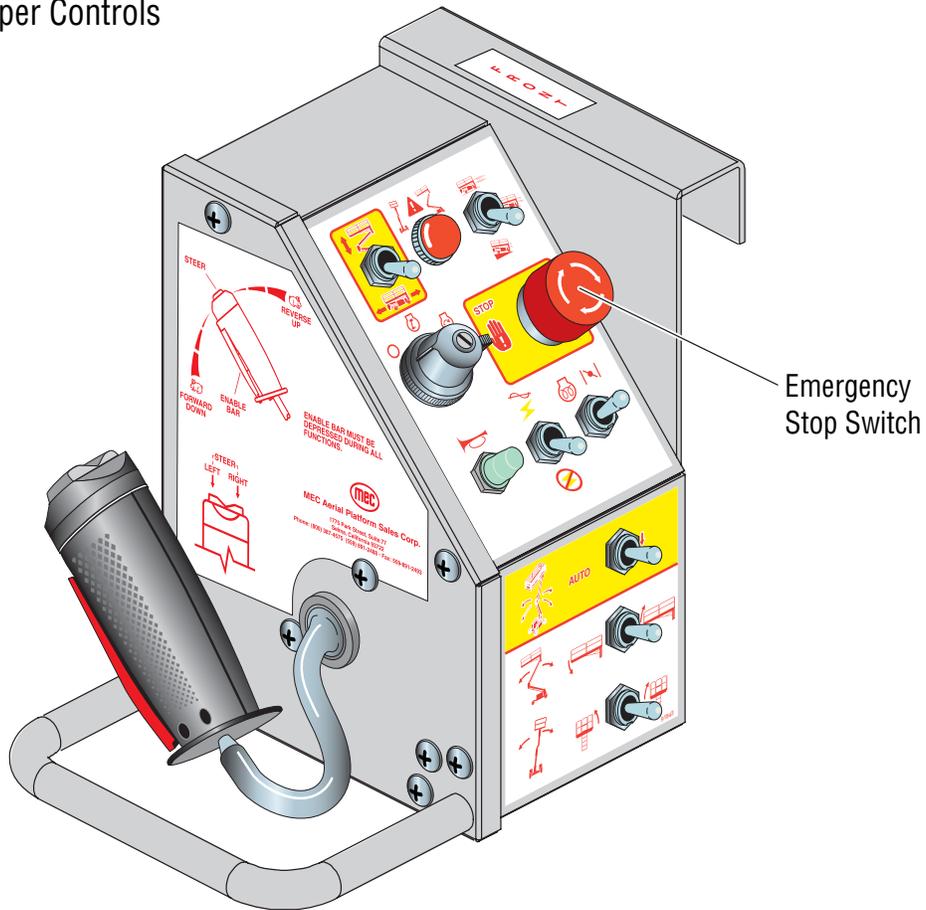
The Emergency Lowering System is used to lower the platform in case of power or valve failure. The Emergency Lowering switch will function if the EMERGENCY STOP switch is tripped.

To lower the platform, perform the following steps:

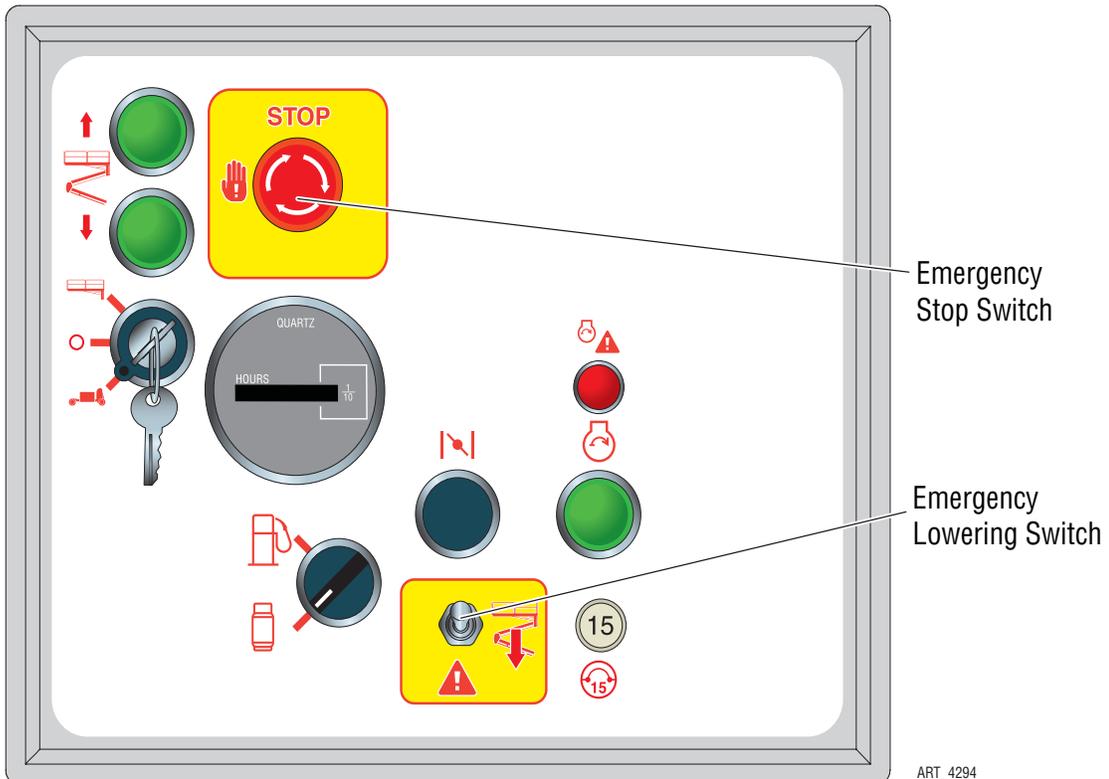
- Push and hold the toggle switch down to lower the platform.
- Once the platform is fully lowered, release the toggle switch.

continued...

Upper Controls



Lower Controls



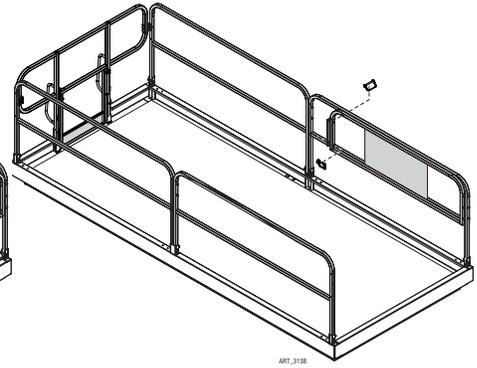
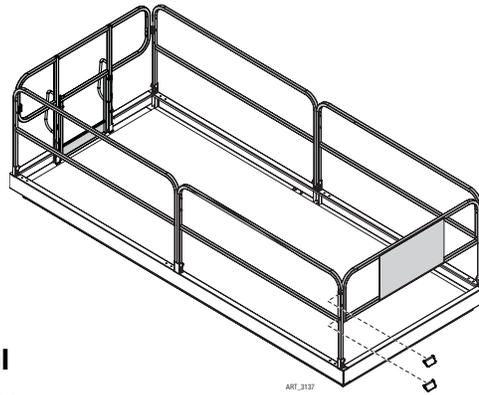
ART_4294

Fold Down Platform Railings

3084 Models

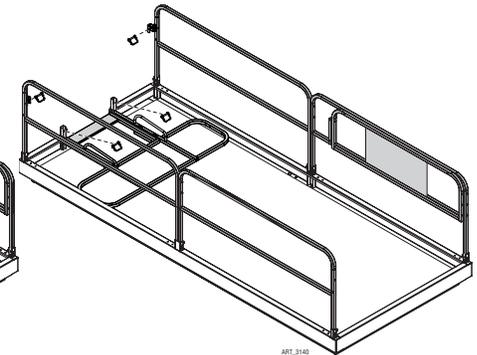
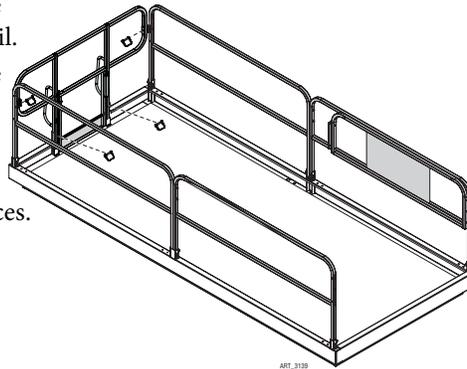
1 Open & Secure the Loading Gate

- Remove the 2 snap pins that hold the loading gate to the side guardrail.
- Swing the loading gate open
- Secure the gate to the side guardrail using one of the snap pins.
- Return the other snap pin to its place.



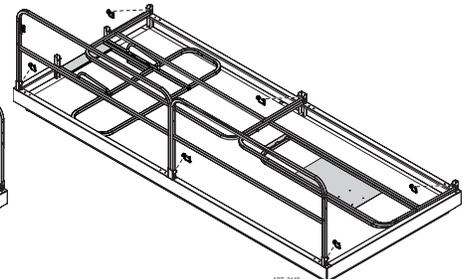
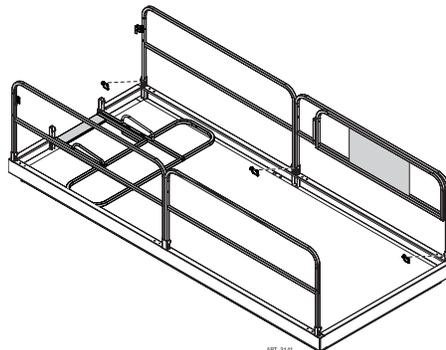
2 Release & Lower the Entry Rail

- Remove the 2 snap pins from the top corners of the entry guardrail.
- Remove the 2 snap pins from the base of the entry guardrail.
- Lower the entry guardrail to the platform floor.
- Return the snap pins to their places.



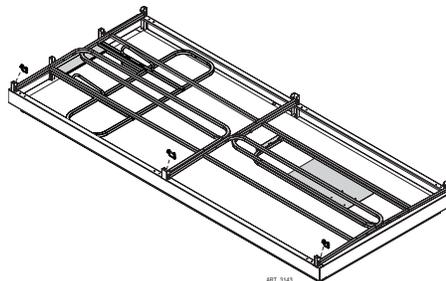
3 Release & Lower Left Side Rail

- Remove the 3 snap pins from the base the guardrail with the loading gate.
- Lower the guardrail and loading gate to the platform floor.
- Return the snap pins to their places.



4 Release & Lower Right Side Rail

- Remove the 3 snap pins from the base of the right side guardrail.
- Lower the guardrail to the platform floor.
- Return the snap pins to their places.

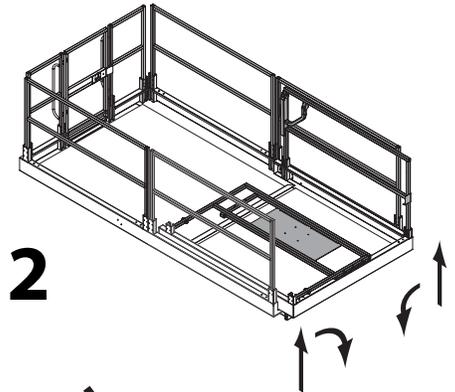
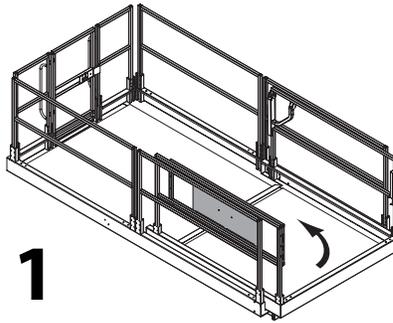


To return the machine to normal operation mode:

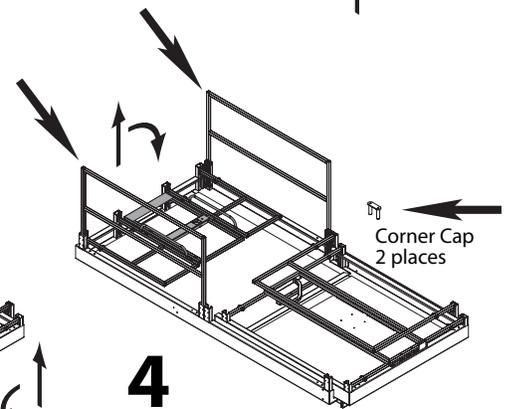
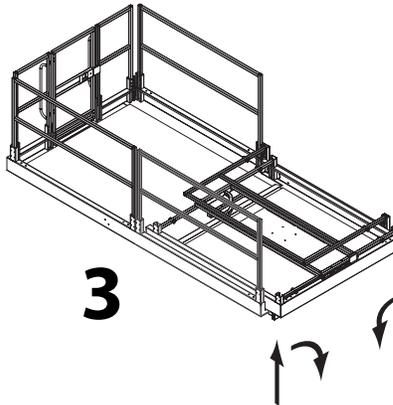
- Lift all rails into their upright position, then push down to secure them in their sockets
 - Install all spring pins and secure all gates
 - Position the platform control box on the right side rail at the front of the platform.
- DO NOT** use the machine until all gates and guard rails are in position and properly secured.

Fold Down Rails (continued)**2684 Models****1 Open & Secure
The Material Loading Gate**

- Lift the upper Control Box off the Deck Extension Rail and place out of the way.
- Lift the gate latch and swing the Material Loading Gate open.
- Secure the gate to the side guardrail with the gate latch.

**2 Lift & Lower
The Deck Extension Rails**

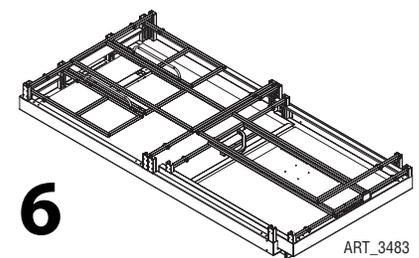
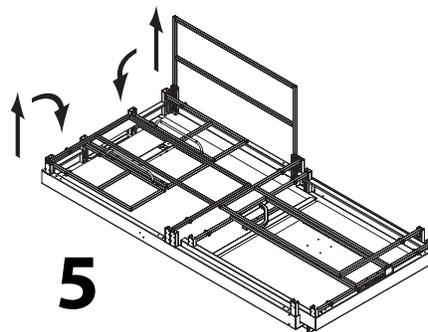
- Lift and lower the right-side deck extension rail.
- Lift and lower the left-side deck extension rail.

**3 Lift & Lower
The End Side Rails**

- Lift and lower the left-side end rail.
- Lift and lower the right-side end rail.

**4 Lift & Lower
The Entry Rails**

- Remove the corner caps that connect the rear side rails to the entry rails.
- Lift and lower the gate-side entry rail.
- Lift and lower the left-side entry rail.

**5 Lift & Lower
The Rear Side Rails**

- Lift and lower the left rear side rail.
- Lift and lower the right rear side rail.

6 Guard rail fold-down is complete.

To return the machine to normal operation mode:

- Lift all rails into their upright position, then push down to secure them in their sockets
 - Install all corner caps and secure all gates
 - Position the platform control box on the right side rail at the front of the deck extension.
- DO NOT** use the machine until all gates and guard rails are in position and properly secured.

Machine Inspections

DO NOT operate this machine until you have read and understood the Safety section of this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the jobsite for hazards, and have learned the operating procedures for this machine.

The operator must conduct a thorough Pre-Start Inspection of the machine and test all functions before each work shift to check for damage, malfunction and unauthorized modification.

Tag and remove a damaged, malfunctioning or modified machine from service. DO NOT use a damaged, malfunctioning or modified machine.

Use the Pre-Start Inspection to determine what Routine Maintenance is required. The operator may perform only the routine maintenance items specified in this manual.

IMPORTANT— Scheduled maintenance inspection checklists are included in this manual for use only by qualified service technicians. Only qualified service technicians may perform repairs to the machine. After repairs are completed, the operator must perform a Pre-Start Inspection before proceeding to the Functions Test.



Never perform service on the machine with the platform elevated without first blocking the elevating assembly (see Maintenance Safety on page 28).

Never leave hydraulic components or hoses open. They must be protected from contamination (including rain) at all times.

Never open a hydraulic system when there are contaminants in the air.

Always clean the surrounding area before opening hydraulic systems.

Use only recommended lubricants. Improper lubricants or incompatible lubricants may be as harmful as no lubrication.

Watch for makeshift “fixes” which can jeopardize safety as well as lead to more costly repair.



Hydraulic fluid under pressure can penetrate and burn skin, damage eyes, and may cause serious injury, blindness, and even death. Correct leaks immediately.



Failure to perform preventive maintenance at recommended intervals may result in the unit being operated with a defect that could result in injury or death of the operator.

Immediately report to your supervisor any Defect or malfunction. Any defect shall be repaired prior to continued use of the aerial work platform.

Inspection and maintenance should be performed by qualified personnel familiar with the equipment.

Fluid leaks under pressure may not always be visible. Check for pin hole leaks with a piece of cardboard, not your hand.

Pre-Start Inspection Checklist

The operator must conduct a thorough Pre-Start Inspection of the machine before each work shift – see “Machine Inspections” on page 22.

General Inspection Checklist

Initial	Description
_____	Check that the operator's, safety, and responsibilities manuals are in the storage container located on the platform.
_____	Perform a visual inspection of all machine components. Look for missing parts, torn or loose hoses, hydraulic fluid leaks, torn or disconnected wires, damaged tires etc.
_____	Check all structural components of the machine for cracked welds, corrosion and collision damage.
_____	Check all hoses and the cables for worn or chafed areas.
_____	Check the platform rails and sliding mid-rail entry for damage or modification.
_____	Check that all warning and instructional labels are legible and secure.
_____	Check the tires for damage.
_____	Check the tire pressure (not required for foam filled tires).
_____	Check the lower limit switch for visual damage or loose or missing hardware.
_____	All structural components, pins and fasteners are present and properly tightened.

Fluid Level Checklist

_____	Check for fluid leaks.
_____	Hydraulic fluid level (check with platform fully lowered).

Secure for operation

_____	Secure all covers and panels. Perform Routine Maintenance as needed, then proceed to the Functions Test.
-------	--

DATE _____ INSPECTED BY _____

Monthly Inspection Checklist



This checklist must be used at monthly intervals or every 100 hours of machine use, whichever occurs first. Failure to do so could result in death or serious injury.

Scheduled Maintenance Inspections should be conducted by qualified service technicians only. Photocopy this page for reuse. Keep inspections records up to date. Record and report all discrepancies to your supervisor.

Model Number _____ **Serial Number** _____

Initial	Description
---------	-------------

- | | |
|-------|--|
| _____ | Perform all checks listed on Prestart Inspection. |
| _____ | Inspect the condition of hydraulic fluid in the reservoir. Oil should have a clear amber color. |
| _____ | Check battery electrolyte level and connections. |
| _____ | Check wheel lug nuts for proper torque (see <i>Specifications</i>). |
| _____ | Check if tires are leaning in or out. |
| _____ | Inspect all beams and pivot points for signs of wear and/or damage. |
| _____ | Check the pin joints and retaining rings for security. |
| _____ | Inspect the entire machine for signs of damage, broken welds, loose bolts, improper or makeshift repairs. |
| _____ | Check that the platform does not drift down with a full load. |
| _____ | Lubricate the king pins, steering cylinder pivot points, and tie rod ends (see <i>Lubrication</i> on page 29). |
| _____ | Check all wire connections. |
| _____ | Check that all adjustable flow valves are locked, check setting if any are not locked. |
| _____ | Lubricate the boom gear (see <i>Lubrication</i> on page 29). |

DATE _____ **INSPECTED BY** _____

Quarterly Inspection Checklist

**WARNING**

This checklist must be used at quarterly intervals or every 300 hours of machine use, whichever occurs first. Failure to do so could result in death or serious injury.

Scheduled Maintenance Inspections should be conducted by qualified service technicians only. Photocopy this page for reuse. Keep inspections records up to date. Record and report all discrepancies to your supervisor.

Model Number _____ **Serial Number** _____

Initial	Description
---------	-------------

- | | |
|-------|---|
| _____ | Perform all checks listed on Prestart/Monthly Inspection. |
| _____ | Check the operation speeds to ensure they are within specified limits (see <i>Specifications</i>). |
| _____ | Check the emergency lowering system. |
| _____ | Clean and lubricate all push button switches with dry lubricant and ensure that the switches operate freely in all positions. |
| _____ | Check the tightness of the platform frame and the linkage pins. |
| _____ | Check the overall platform and guardrail component stability. |
| _____ | Check the electrical mounting and hardware connections for security. |
| _____ | Check the king pins for excessive play. |

Additional maintenance requirements for severe conditions

- | | |
|-------|--|
| _____ | Replace hydraulic filter element (under normal conditions replace every six [6] months). |
|-------|--|

DATE _____ **INSPECTED BY** _____

Annual Inspection Report

MEC Aerial Platform Sales Corp.
 1401 S. Madera Avenue • Kerman, CA 93630 USA
 877-632-5438 • 559-842-1500 • Fax: 559-842-1520

Date _____
 Serial Number _____
 Model Number _____
 Date Of Last Inspection _____
 Date Placed In Service _____

Customer _____
 Street _____
 City/State/Zip _____
 Phone Number _____
 Contact _____

Dealer _____
 Street _____
 City/State/Zip _____
 Phone Number _____
 Contact _____

- Check each item listed below.
- Use proper Operator's, Service and Parts manual for specific information and settings.
- If an item is found to be "Unacceptable" make the necessary repairs and check the "Repaired" box.
- When all items are "Acceptable", the unit is ready for service.
- Please fax a copy to MEC at (559) 891-2488 or email to EMAIL ADDRESS

Key: "Y" Yes/Acceptable
"N" No/Unacceptable
"R" Repaired
"U" Unnecessary/Not Applicable

Y N R U					Y N R U					Y N R U				
Decals:					Base:					Operation:				
Proper Placement/Quantity					Cover Panels Secure					Wires Tight				
Legibility					Base Fasteners Tight					Switches Secure				
Correct Capacity Noted					Bolts Tight					All Functions Operational				
Rails:					Front Axle/Front Wheel Assemblies:					Emergency Down:				
All Rail Fasteners Secure					Front Axle Mounting (4WD)					Operational				
Entry Gate/Chain Closes Properly					Rear Axle Mounting (4WD)					Slow Speed Limit Switch:				
Manual/Safety Data In Box					Wheel Motors-Mounting Secure					Set Properly				
Rear Rail Pad In Place					Wheel Motors-Leaks					Pothole Bars:				
Extending Platform:					Drive Assembly Front Hubs:					Pressures & Hydraulics:				
Slides Freely					Lug Nuts Torqued Properly					Operate Smoothly				
Latches In Stowed Position					Steering Cylinder Pins Secure					Lock In Place				
Latches In Extended Position					Pivot Points Lubed					Limit Switches Adjusted				
Rail Latches Work Properly					Rear Axle/Rear Wheel Assemblies:					Pressures & Hydraulics:				
Cable Secure					Brakes Operational					Oil Filter Secure/Chg				
Platform:					Component Area:					Engine:				
Platform Bolts Tight					Valve Manifold(s) Secure					Engine Mounts Tight				
Platform Structure					Hoses Tight/No Leaks					Fuel Lines Secure				
Platform Overload System:					Batteries:					Options Operational:				
Functional					D/C Mtr(s) Secure/Operational					Hour Meter				
Calibrated					Contactors Secure					Battery Indicator				
Wire Harnesses:					Battery Charger:					Options Operational:				
Mounted Correctly					Secure					Warning Light				
Physical Appearance					Operational					Warning Horn				
110/220V Outlet Safe/Working					Emergency Stop:					Options Operational:				
Elevating Assembly:					Emergency Stop:					Options Operational:				
Beam Structures					Breaks All Circuits					Generator				
Welds										Converter				
Retaining Rings														
Upper Cylinder Pins Secure														
Lower Cylinder Pins Secure														
Lower Beam Mounts tight														
Rollers Turn Freely														
Maintenance Locks:														
Secure														
Operational														

Comments: _____

Signature/Mechanic: _____ Date: _____
 Signature/Owner-User: _____ Date: _____

Art_3145



Maintenance

DO NOT operate this machine until you have read and understood the Safety section of this manual, have performed the Pre-Start Inspection, Routine Maintenance, and Functions Test, have inspected the jobsite for hazards, and have learned the operating procedures for this machine.

Tag and remove a damaged, malfunctioning or modified machine from service. DO NOT use a damaged, malfunctioning or modified machine.

Use the Pre-Start Inspection to determine what Routine Maintenance is required. The operator may perform only the routine maintenance items specified in this manual.

IMPORTANT—Scheduled maintenance inspection checklists are included in this manual for use only by qualified service technicians. Only qualified service technicians may perform repairs to the machine. After repairs are completed, the operator must perform a Pre-Start Inspection before proceeding to the Functions Test.



Never perform service on the machine with the platform elevated without first blocking the elevating assembly (see Maintenance Safety on page 28).

Never leave hydraulic components or hoses open. They must be protected from contamination (including rain) at all times.

Never open a hydraulic system when there are contaminants in the air.

Always clean the surrounding area before opening hydraulic systems.

Use only recommended lubricants. Improper lubricants or incompatible lubricants may be as harmful as no lubrication.

Watch for makeshift “fixes” which can jeopardize safety as well as lead to more costly repair.



Hydraulic fluid under pressure can penetrate and burn skin, damage eyes, and may cause serious injury, blindness, and even death. Correct leaks immediately.

Fluid leaks under pressure may not always be visible. Check for pin hole leaks with a piece of cardboard, not your hand.



Failure to perform preventive maintenance at recommended intervals may result in the unit being operated with a defect that could result in injury or death of the operator.

Immediately report to your supervisor any Defect or malfunction. Any defect shall be repaired prior to continued use of the aerial work platform.

Inspection and maintenance should be performed by qualified personnel familiar with the equipment.

Routine Maintenance

IMPORTANT— The operator may perform routine maintenance only. Scheduled maintenance must be performed by qualified service technicians.

Pre-Start Inspection Perform routine maintenance as identified in the *Pre-Start Inspection Checklist* on page 23.

Scheduled Maintenance

Maintenance performed monthly, quarterly, annually and bi-annually must be performed by a qualified service technician trained and authorized to perform maintenance on this machine, and must be done in accordance with the procedures outlined in the service manual. Scheduled maintenance inspection checklists are included in this manual for use by qualified service technicians.

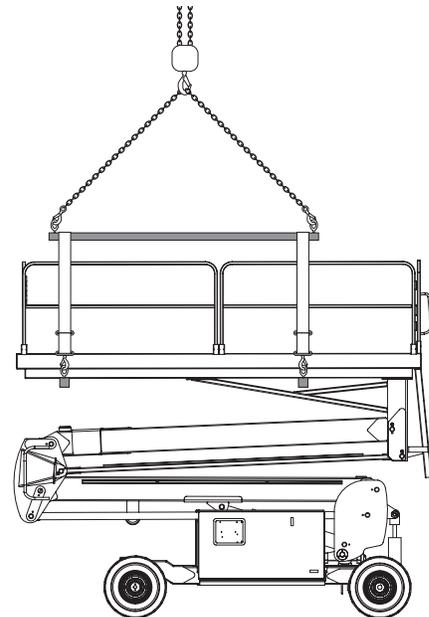
Machines that have been out of service for more than three months must receive the quarterly inspection before returning to service.

Maintenance Safety



Never perform service on the machine with the platform elevated without first supporting the platform/boom assembly.

Use a crane with chains and straps of adequate lifting capacity to support the platform.



Art_3098

Lubrication

Operator may perform routine maintenance only. Lubrication listed as Scheduled Maintenance must be performed by a qualified service technician.

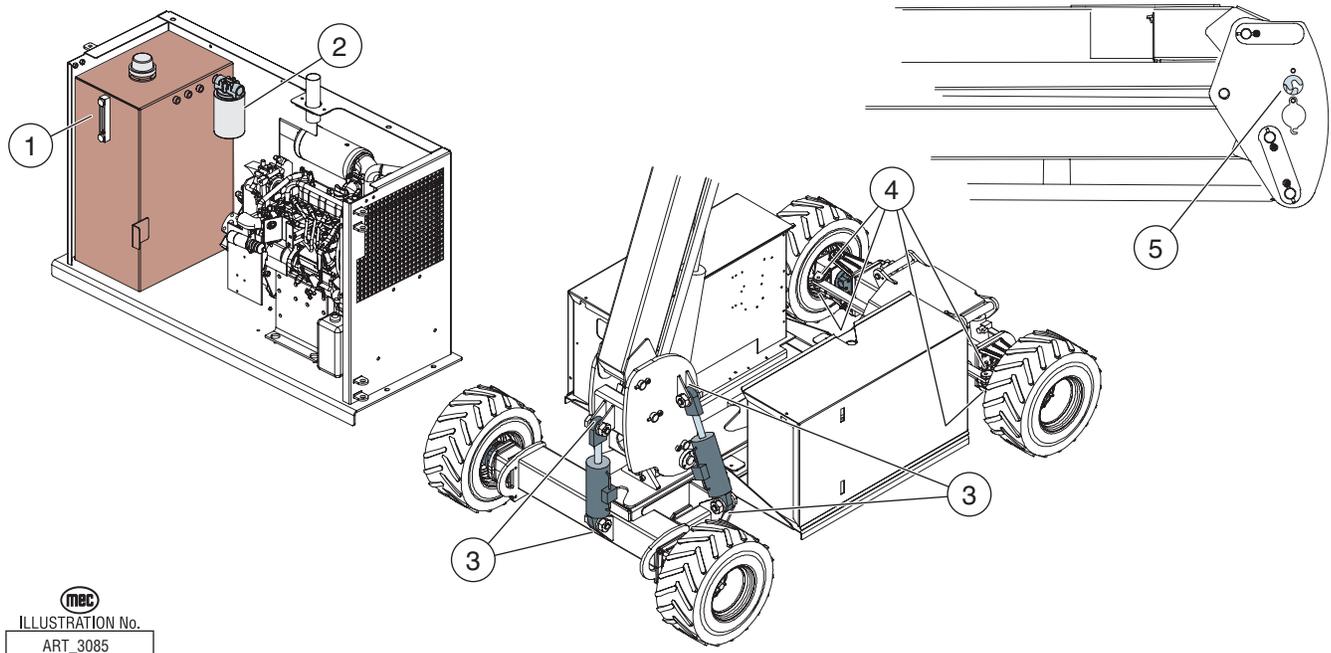


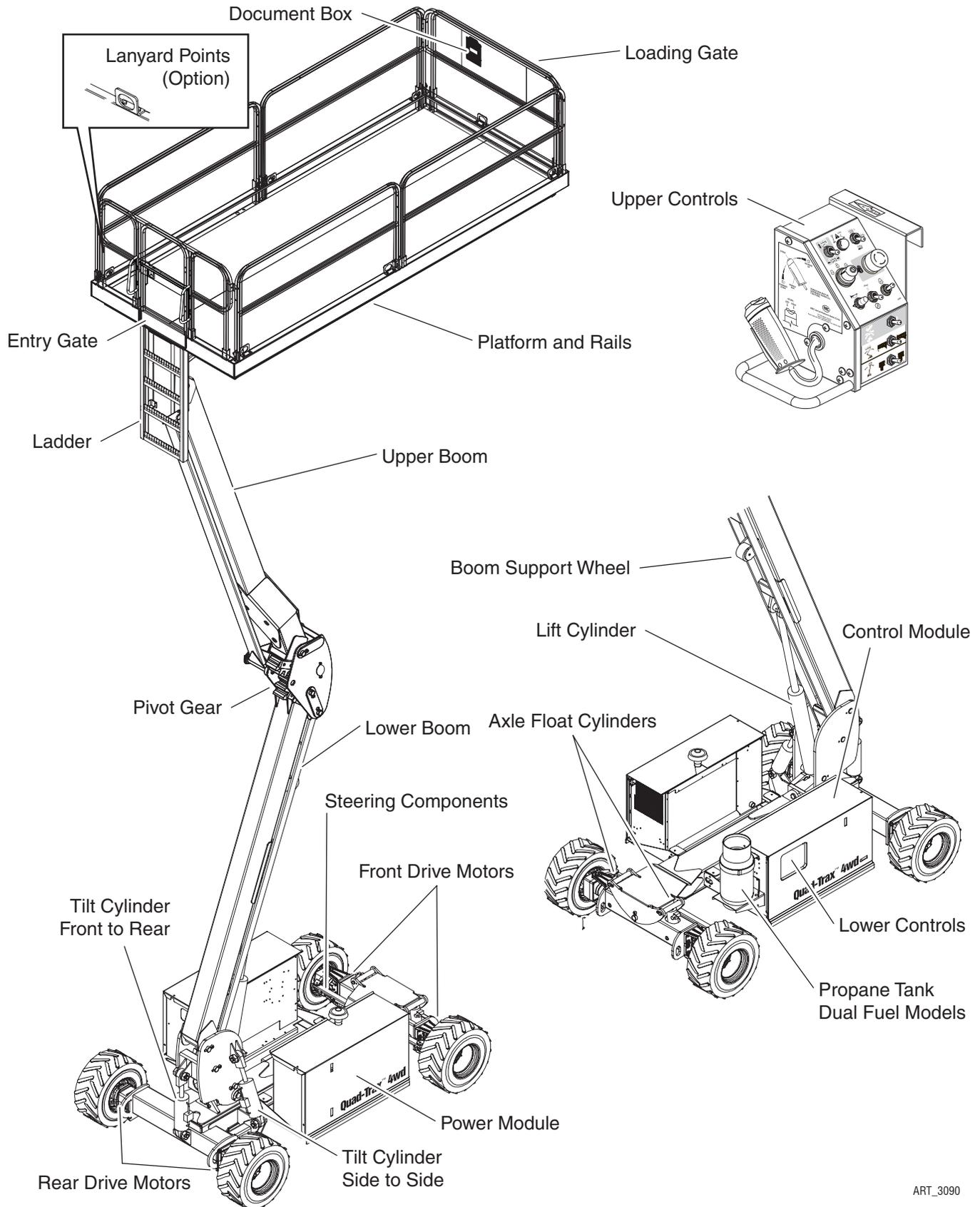

 ILLUSTRATION No.
 ART_3085

Lubrication

No.	ITEM	SPECIFICATION	FREQUENCY
1	Hydraulic Reservoir	Mobile Fluid DTE 10, DTE 13 M, or AW32 <i>Do not substitute with lower grade fluids as pump damage may result.</i> Fill to the middle of the sight gauge with platform in the stowed position.	Routine Maintenance Check Daily Scheduled Maintenance Change yearly or every 1000 hours, whichever occurs first
2	Hydraulic Filter	Filter Element	Scheduled Maintenance Normal Conditions Change every six months or 500 hours, whichever occurs first Severe Conditions Change every three months or 300 hours, whichever occurs first
3	Tilt Cylinders Pivot Points	Lithium N.L.G. #2 EP Purge old grease	Scheduled Maintenance Normal Conditions Apply every 6 months or 500 hours, whichever occurs first Severe Conditions Apply every 3 months or 250 hours, whichever occurs first
4	Boom Gear	High copper content anti-seize compound. Apply new grease	Scheduled Maintenance Normal Conditions Apply every 1 months or 100 hours, whichever occurs first Severe Conditions Apply every 2 weeks or 50 hours, whichever occurs first

Component Locations

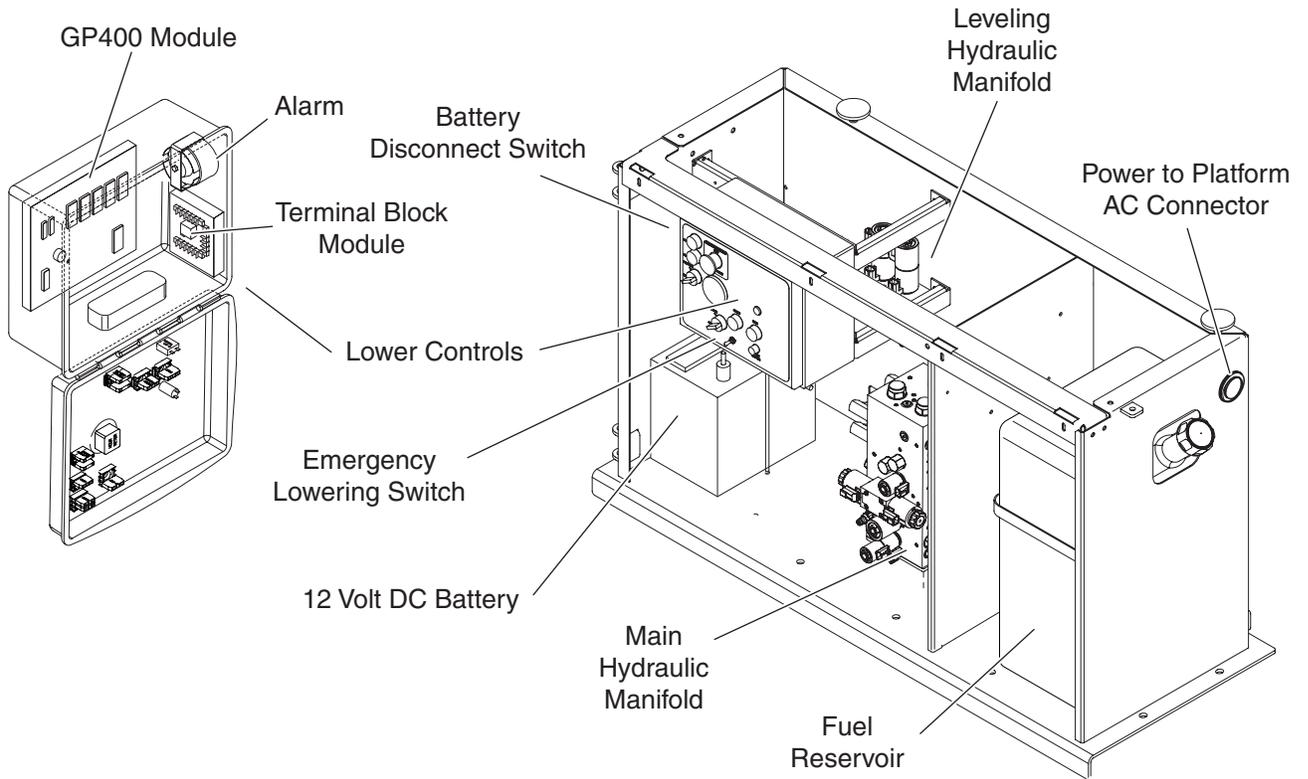
Full Machine



ART_3090

Modules

Control Module



Power Module

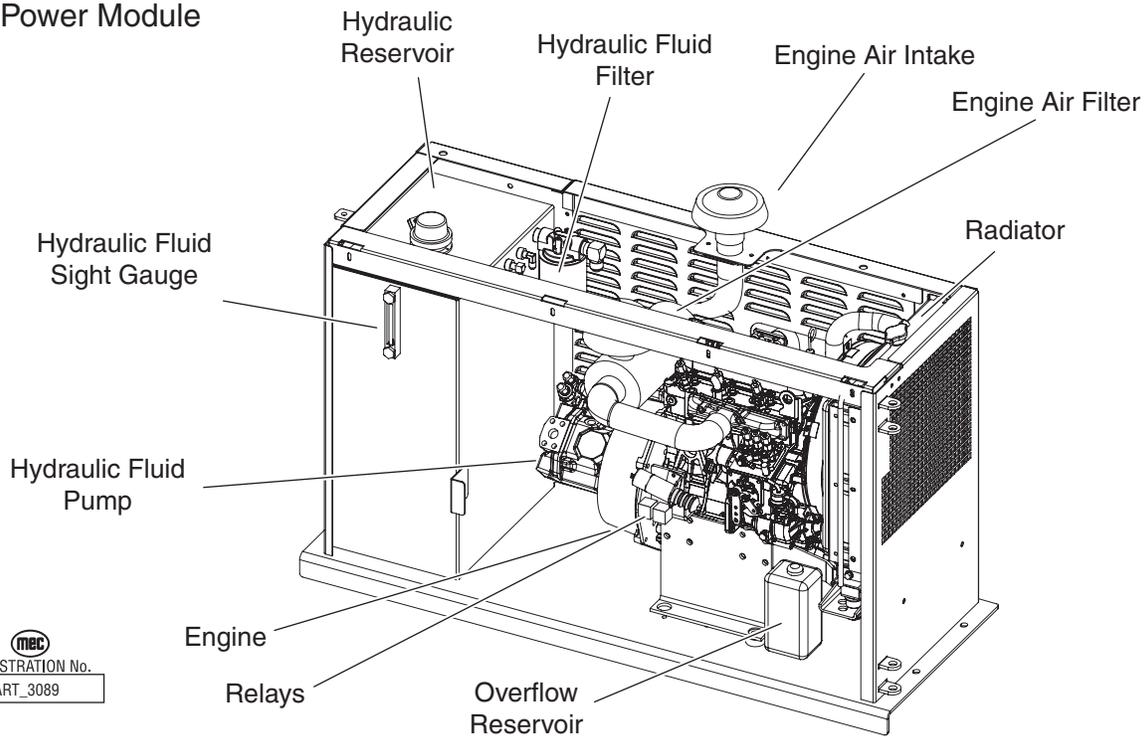
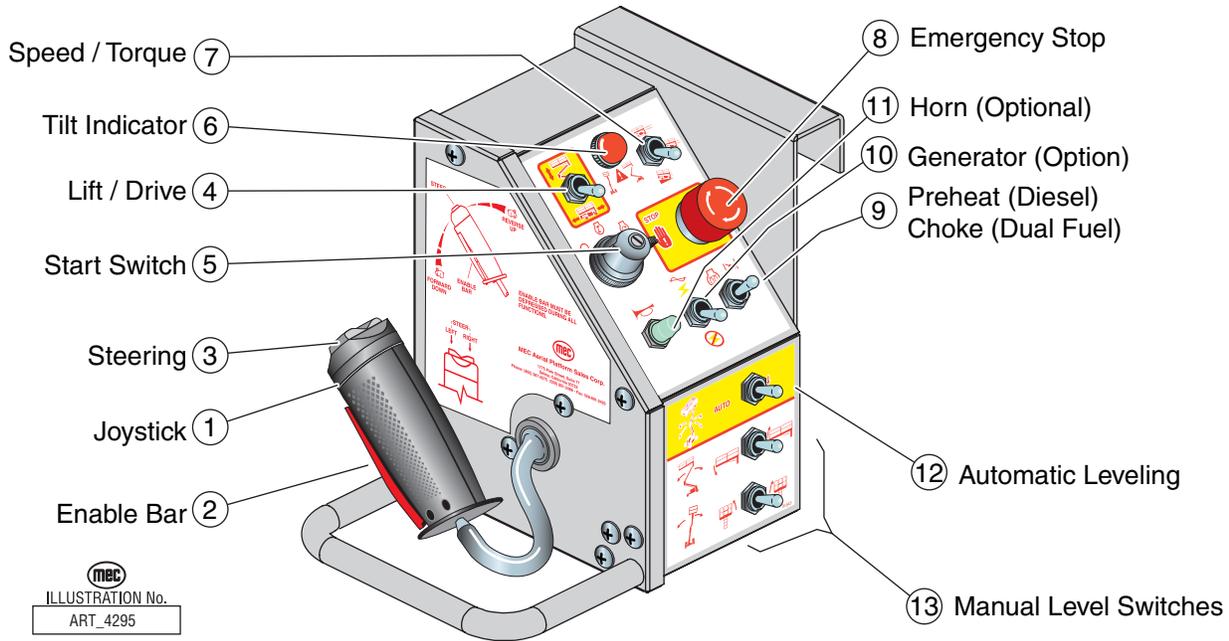


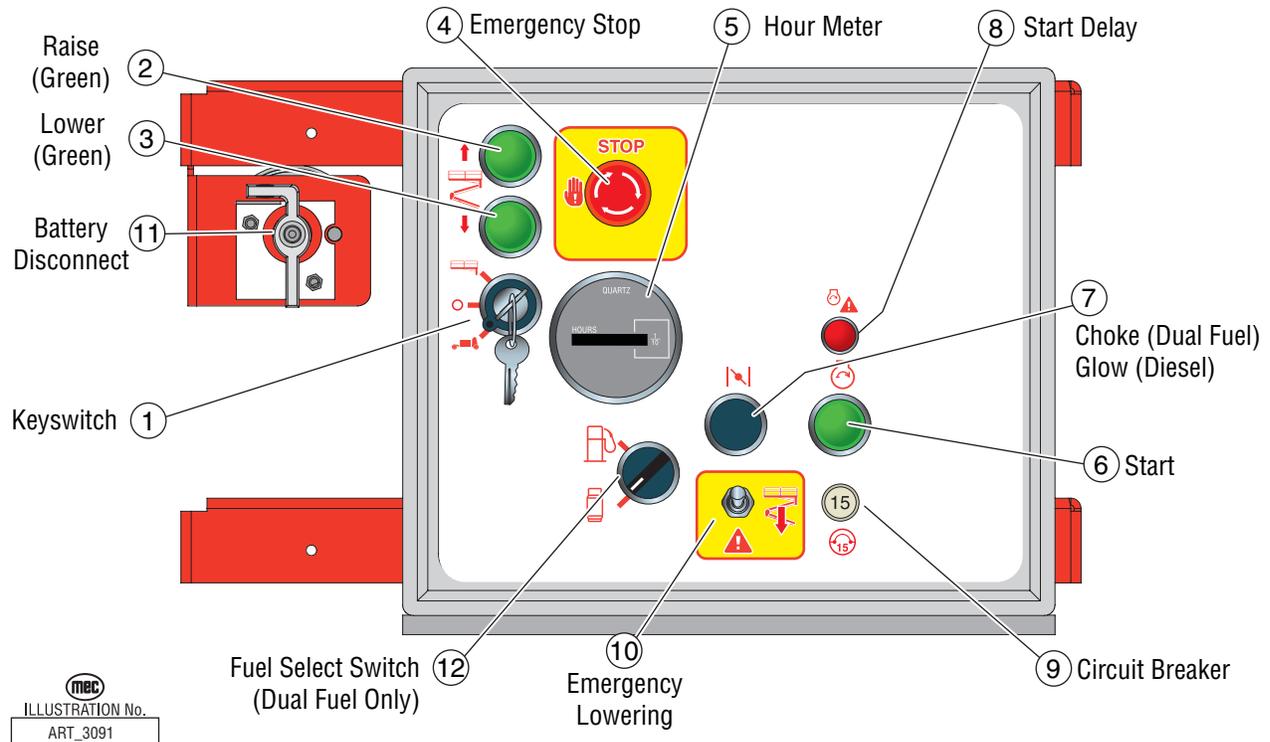

ILLUSTRATION No.
ART_3089

Upper Controls



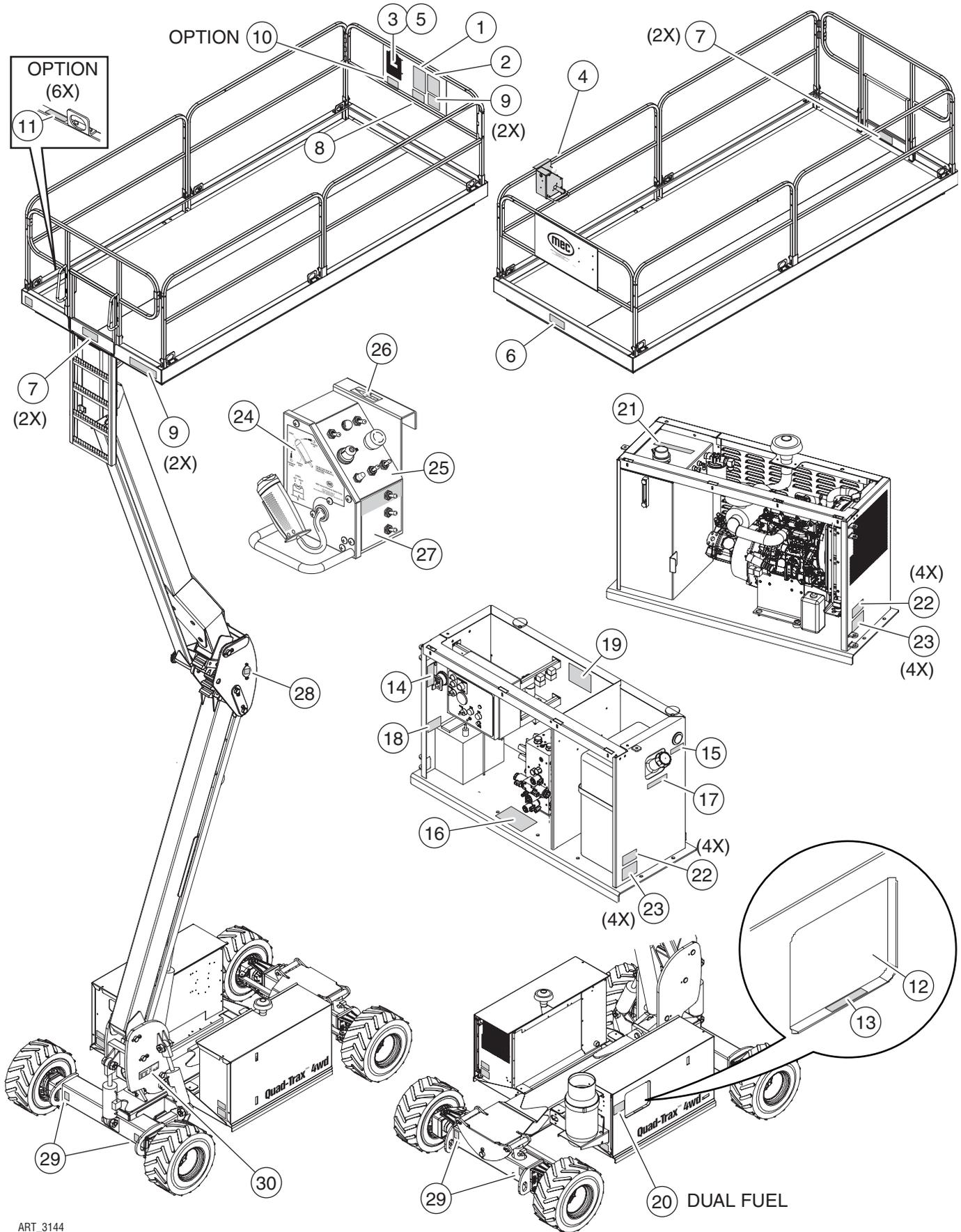
CONTROL		DESCRIPTION	
1	Joystick	DRIVE	Controls Forward and Reverse travel at stepped speeds.
		LIFT	Move toward operator to elevate platform. Lift speed increases proportional to the joystick movement. Will not function if TILT light is ON. Move away from operator to lower platform. Speed is fixed.
2	Enable Bar	Squeeze to enable DRIVE, STEER, and LIFT from joystick.	
3	Steering Switch	Using thumb, press and hold the rocker switch to steer Left or Right.	
4	Lift/Drive Selector	Select LIFT or DRIVE function for joystick.	
5	Start Switch	Turn to start engine. Switch will return to RUN position for normal operation. Turn to OFF to shut engine down.	
6	Tilt Indicator Light	Light ON indicates platform out of level. Platform will not elevate when TILT light is ON.	
7	Speed / Torque Switch	HIGH TORQUE	Slow speed. Provides maximum torque for rough terrain.
		MID RANGE	Mid speed. Provides medium torque for smooth to moderate terrain.
		HIGH SPEED	Provides high speed when platform height is below 10 feet (3 m).
8	EMERGENCY STOP Switch	PUSH to stop all machine functions. TURN CLOCKWISE to reset.	
9	Choke/Preheat	Operate when starting in cold start conditions.	
10	Generator (option)	Starts and stops optional generator.	
11	Horn (option)	Press to sound warning horn.	
12	Automatic Level Switch	Move switch DOWN and hold until automatic leveling is complete. Tilt Light will turn OFF when platform is level.	
13	Manual Level Switches	Move the upper switch to the left to LOWER the front of the platform. Move the upper switch to the right to RAISE the front of the platform.	
		Move the lower switch to the left to move the platform to the LEFT. Move the lower switch to the right to move the platform to the RIGHT.	

Lower Controls



CONTROL		DESCRIPTION	
1	Selector Switch	PLATFORM	Select to operate from the platform control panel.
		BASE	Select to operate from the base control panel.
		OFF	Select to stop operation from either control panel.
2	RAISE Button	Press and hold to elevate the platform. Release to stop elevation.	
3	LOWER Button	Press and hold to lower the platform. Release to stop lowering.	
4	EMERGENCY STOP Switch	Press to stop all machine functions. Turn <i>clockwise</i> to reset.	
5	Hour Meter	Indicates total elapsed time of machine operation.	
6	Start Button	Press to start engine. Release when engine starts.	
7	Choke/Glow	Operate when starting in cold start conditions.	
8	Start Delay Light	Prevents over-cranking of engine. When lit, starter is disabled. After approximately 35 seconds the light will go out and starter will operate.	
9	Circuit Breaker	Trips when there is excessive electrical load. Push to reset.	
10	EMERGENCY LOWERING Switch	Push and hold the toggle switch Down to fully lower the platform.	
11	Battery Disconnect	Battery power supply. Turn OFF and padlock to secure machine from unauthorized use.	
12	Fuel Selector (Dual Fuel Only)	Turn switch to select Gasoline or Propane.	

Decals



ART_3144

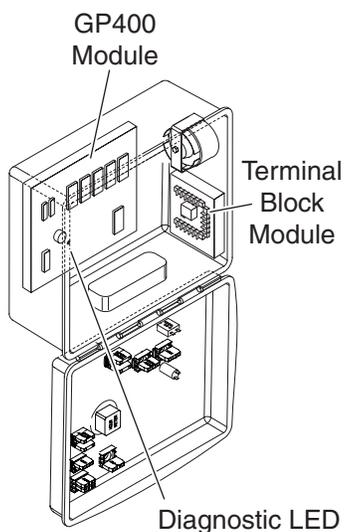
Troubleshooting

WARNING

Should you experience erratic operation or notice any malfunction while operating this machine, discontinue use immediately. Call for assistance and report the incident to your supervisor, and do not use the machine until it has been checked by a trained, qualified mechanic.

Machine functions will not operate

Lower Controls



- Battery Disconnect Switch ON?
- Battery fully charged?
- Function toggle switch or the enable switch not activated?
- Selector key switch in proper position?
- Both EMERGENCY STOP switches reset?
- Hydraulic fluid level low?
- Obvious fluid leak or damaged component?
- Wires disconnected, broken, or loose?
- Motor control processor Diagnostic LED OFF?
LED should be ON. If LED is OFF or FLASHING, refer to Service Manual or contact MEC Technical Support.

ART_3093

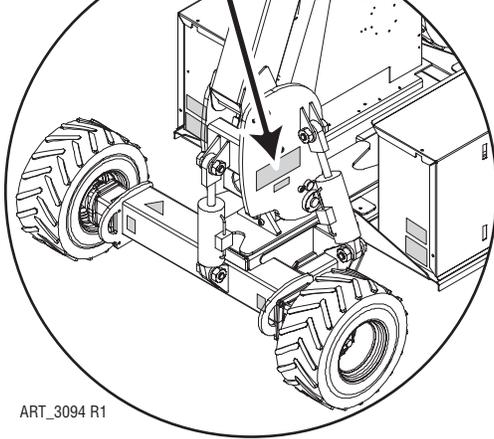
Serial Plate Location

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

MEC AERIAL PLATFORM SALES CORP.		MFG. DATE XX/XX	MODEL NUMBER XXXXXX	SERIAL NUMBER XXXXXXXXXX	MODEL YEAR 20XX
MAX. PLATFORM CAPACITY INCLUDING PERSONS XXX kg = X PERSONS + XXX kg EQUIPMENT XXX kg = X PERSONS + XXX kg EQUIPMENT		ELECTRICAL VOLTAGE XX VOLTS		MAX. MANUAL FORCE XXX LBS XXX N	
MAX. DRIVE HEIGHT X X FT X.X m	MACHINE WEIGHT XXXX LBS XXXX kg	MAX. WIND SPEED X MPH X m/s	MAX. GROUND PRESSURE PER WHEEL XX PSI XX kg/cm ²	MAX. LOAD PER WHEEL XXX LBS XXX kg	MAX. HYDRAULIC SYSTEM PRESSURE XXXX PSI XXX bar
MAX. PLATFORM HEIGHT XX FT X.X m					

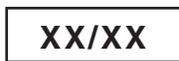
THIS MACHINE HAS BEEN CONSTRUCTED IN ACCORDANCE WITH SECTION 4 OF ANSI A92.6/2008 COVERED BY US PAT. #5,470,050 & CANADIAN PAT. #2,115,070 9102



ART_3094 R1

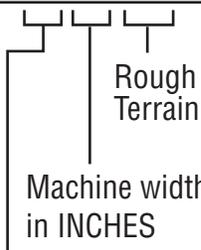
Serial Plate Item Information Defined

MFG DATE



ART_2377

MODEL NUMBER



Max. platform height in FEET

ART_3087

MFG DATE. Month / Year of manufacture

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

MAX. PLATFORM CAPACITY INCLUDING PERSONS. The maximum safe load (persons + equipment) which can be evenly distributed on the platform at any elevation

MAX. ALLOWABLE MANUAL FORCE. The maximum safe force that the occupant can exert laterally on an object outside the platform.

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

MAX. DRIVE HEIGHT. The maximum safe platform height at which the machine can be driven.

MAX. LOAD PER WHEEL. The maximum safe weight applied to each wheel. Calculated with all available options installed.

$$Fw = 30\% (Wm + Wc + Wopt)$$

MAX. GROUND PRESSURE PER WHEEL. The amount of pressure exerted on the surface at each wheel. Calculated with all available options installed.

$$Pmax = 30\% (Wm + Wc + Wopt) / \text{Contact Area}$$

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

OPTIONAL EQUIPMENT ADDS TO STANDARD MACHINE WEIGHT. The weight of installed optional equipment.

Transport and Lifting Instructions.

Safety Information

WARNING

This section is provided for reference and does not supersede any government or company policy regarding the loading, transport or lifting of MEC machinery.

Drivers are responsible for loading and securing machines, and should be properly trained and authorized to operate MEC machinery. Drivers are also responsible for selecting the correct and appropriate trailer according to government regulations and company policy. Drivers must ensure that the vehicle and chains are strong enough to hold the weight of the machine (see the serial number plate for machine weight).

Loading

Free-wheel configuration for Winching or Towing.

CAUTION

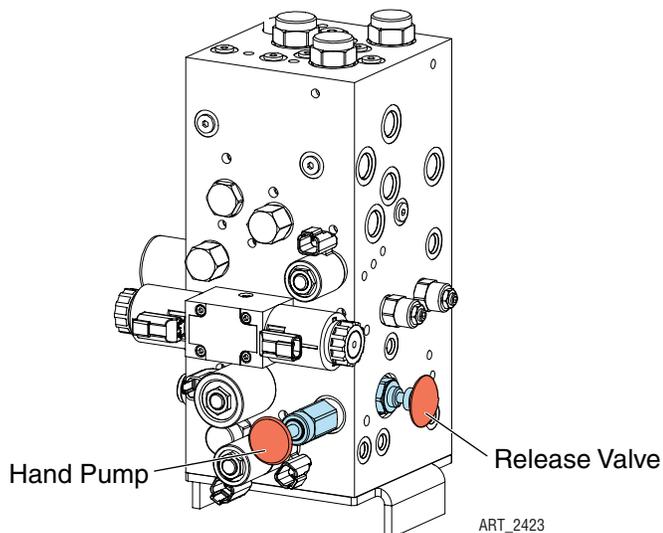
Prior to manually releasing brakes, be sure the wheels are chocked to prevent machine from moving.

DANGER

RUNAWAY HAZARD!

After releasing the brakes there is nothing to stop machine travel. Machine will roll freely on slopes.

The machine can be winched or towed short distances at speeds not to exceed 5 MPH (8.05 km/h). Before towing or winching the machine, it is necessary to release the brakes. Reset the brakes after towing or winching.



Disengage Brakes before Towing or Winching

- Chock the wheels.
- Push and hold the release valve.
- Using the hand pump on the manifold, pump valve until pressure is built and valve cannot be pumped.
- Machine is now ready for towing.

Engage Brakes before Driving

- Pull out the manual brake release valve to reset brakes.

Note: Brakes will reset automatically when drive function is activated.

Driving or Winching onto or off of a Transport Vehicle

WARNING

MEC does not recommend unassisted loading or unloading.

Always attach the machine to a winch when loading or unloading from a truck or trailer by driving. Read and understand all safety, control, and operating information found on the machine and in this manual before operating the machine.

- Attach the machine to a winch.
- Remove all machine tie downs. Remove wheel chocks.

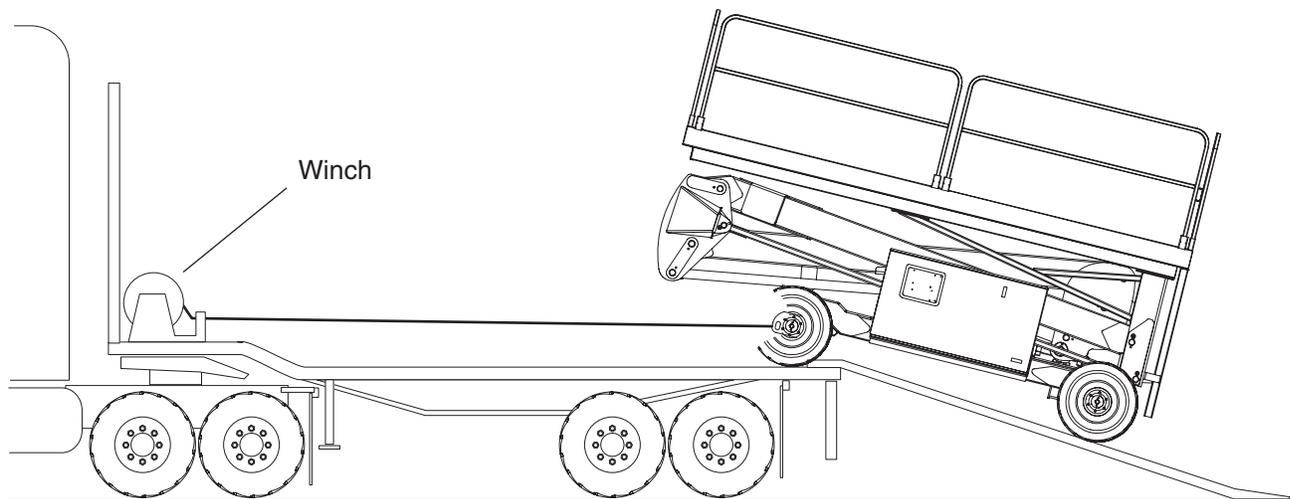
Driving

- Turn the base key switch to PLATFORM. Check that the EMERGENCY STOP switch is reset by turning it clockwise.
- Enter the platform and reset the Platform EMERGENCY STOP switch.
- Test platform control functions.
- Carefully drive the machine off the transport vehicle with the winch attached.

Note: The brakes are automatically released for driving and will automatically apply when the machine stops.

Winching

- Disengage brakes (see *Disengage Brakes before Towing or Winching* on page 38).
- Carefully operate the winch to lower the machine down the ramp.
- Chock the wheels and engage the brakes.



ART_3086

Lifting and Tie Down Instructions

WARNING

Only qualified riggers should rig and lift the machine.

Ensure that the crane capacity, loading surfaces and straps are sufficient to withstand the machine weight. See the serial plate for the machine weight.

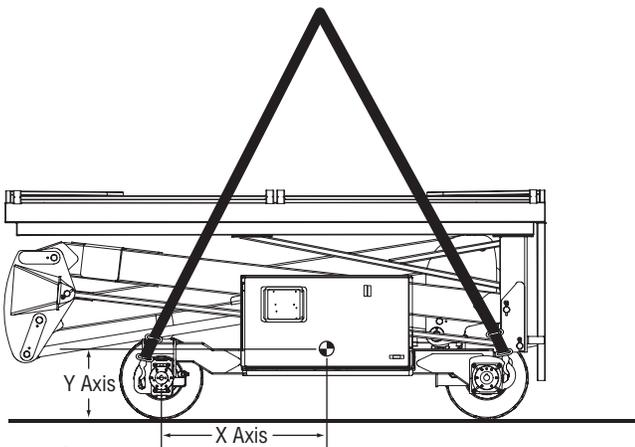
- Fully lower the platform. Be sure the extension deck is retracted and the module doors are closed and secure. Remove all loose items from the machine.
- Determine the center of gravity of the machine.
- Attach rigging to the designated lift points *only*.
- Adjust the rigging to prevent damage to the machine and to keep the machine level.

Securing to Truck or Trailer for Transport

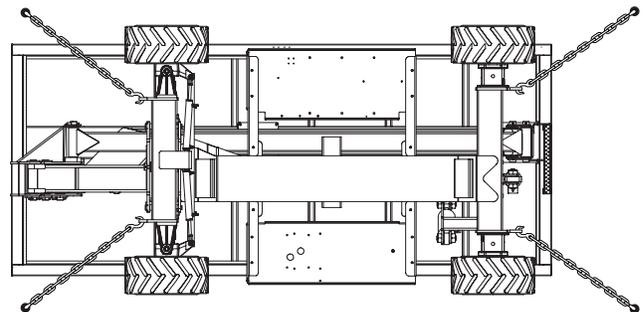
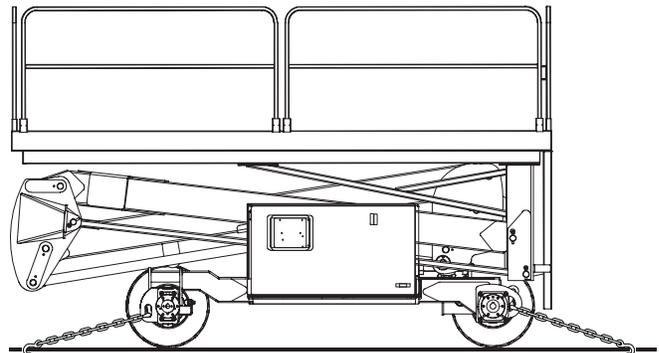
- Lock the extension deck in the retracted position.
- Turn the key switch to OFF and remove the key before transport.
- Turn the battery disconnect switch to OFF before transport.
- Inspect the entire machine for loose or unsecured items.
- Use chains or straps of ample load capacity.
- Use a minimum of two (2) chains or straps.
- Adjust the rigging to prevent damage to the chains and the machine.

Center of Gravity and Lifting Points

Center of Gravity	X Axis	Y Axis
3084	45.89 in. / 116.57cm	10.89 in. / 27.65 cm



MEC
ILLUSTRATION No.
ART_3104





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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