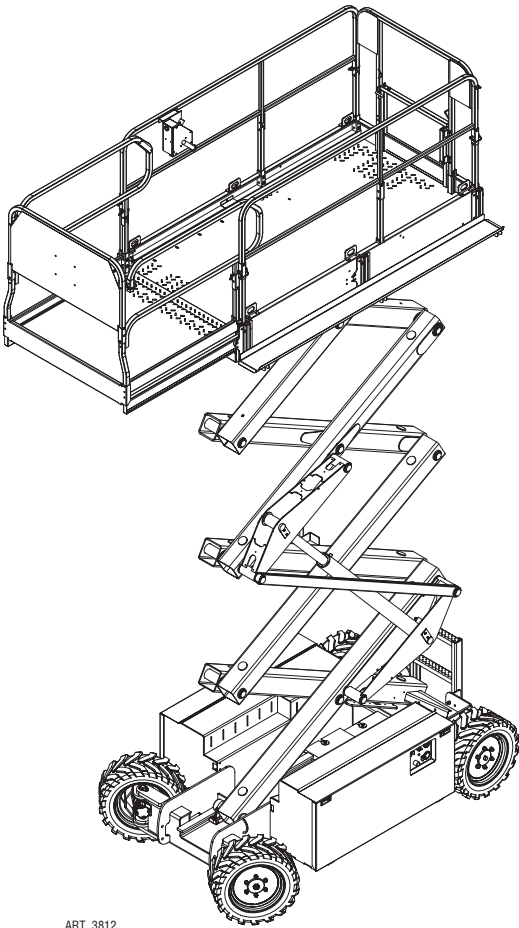
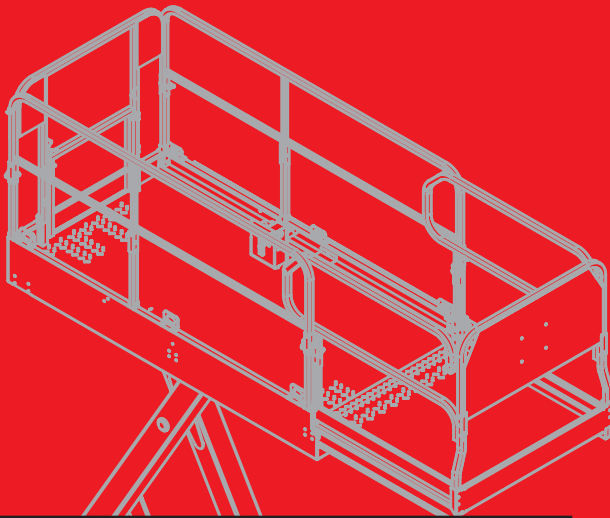




Operator's Manual

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ART_3812

Crossover Series

2659ERT -- Serial #13000001 - Up
3259ERT -- Serial #13100001 - Up

92555
June 1, 2012

Multiple patents pending.

—Specifications—

Crossover Series		2659ERT		3259ERT	
Working Height*		32 ft	9.92 m	38 ft	11.75m
Platform Height		26 ft	7.92 m	32 ft	9.75 m
Maximum Drive Height		26 ft	7.92 m	32 ft	9.75 m
Stowed Height	Top Guardrail	90 in.	2.29 m	96 in.	2.44 m
	Rails Folded	75 in.	1.90 m	82 in.	2.09 m
	Platform Floor	45 in.	1.15 m	51 in.	1.30 m
Guardrail Height		43.5 in.	1.10 m	43.5 in.	1.10 m
Toeboard Height		6 in.	15 cm	6 in.	15 cm
Machine Weight** (Unloaded)		6065 lb	2750 kg	7360 lb	3338 kg
Lift Capacity	Total	1000 lb	450 kg	750 lb	340 kg
	Platform	750 lb	340 kg	500 lb	225 kg
	Sheet Material Rack	250 lb	113 kg	250 lb	113 kg
Deck Extension Capacity		1 Person / 250lb (113 kg)		1 Person / 250lb (113 kg)	
Maximum Occupants		3		2	
Length-Stowed (Overall)		103 in.	2.62 m	103 in.	2.62 m
Length-Stowed (Without Step)		105 in.	2.67 m	105 in.	2.67 m
Platform Length (Extended)		133.5 in.	3.39 m	133.5 in.	3.39 m
Platform Length (Retracted)		91 in.	2.31 m	91 in.	2.31 m
Width (Overall)		59 in.	1.5 m	59 in.	1.5 m
Platform Width (Outside)		46 in.	1.17 cm	46 in.	1.17 cm
Sheet Rack Width		8 in.	20 cm	8 in.	20 cm
Wheel Base		82 in	2.1 m	82 in	2.1 m
Turning Radius--Inside		59 in.	1.5 m	59 in.	1.5 m
Ground Clearance		6 in	15 cm	6 in	15 cm
Drive Speed (Proportional)	Stowed	0-3.2 mph	0-5 km/h	0-3.0 mph	0-4.8 km/h
	Raised or extended	0-.5 mph	0-8 km/h	0-.5 mph	0-8 km/h
Gradability		35%/19°		31%/17°	
Breakover Angle		30%/16.7°			
Ground Pressure/Wheel		93 psi	6.5 kg/cm ²	104 psi	7.3 kg/cm ²
Maximum Wheel Load		2120 lb	960 kg	2430 lb	1100 kg
Maximum Operating Wind Speed		28 mph / 12.5 m/sec (45 km/h)			
Tire Size		23" x 10" / .58m x .25m			
Tire Pressure		55 psi			
Lug Nut Torque		130 ft/lb		176 Nm	
Hydraulic Pressure	Drive System	3200 psi/ 220 bar			
	Lift System	2400 psi / 165 bar			
	Steer System	1500 psi / 103 bar			
Hydraulic Fluid Capacity		14 gal / 64 liter			
Power System Voltage		48 Volt DC†			
Battery Charger	Input	100-240 V AC, 50-60 Hz, 12 Amp			
	Output	48 Volt DC, 20 Amp, Automatic Shut-off†			
Batteries		Eight 6-Volt deep cycle; 250 Ah @ 20 hour rating†			
Motor		8 HP (6kW), 3600RPM 48V Motor†			

Meets applicable requirements of ANSI A92.6-2006.

*Working Height adds 6 feet (2 m) to platform height. **Weight may increase with certain options.

†Machines prior to serial numbers 13000032 (2659ERT) and 13100028 (3259ERT) use 36V systems. Contact MEC Customer Service for information.

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.



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 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:



MEC Aerial Platform Sales Corp.

1401 South Madera Ave • Kerman, CA 93630 USA

Ph: 1-877-635-5438 • 559-842-1500 • Fax: 559-842-1522

www.mecawp.com

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 ANSI/SIA A92.6-2006 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 A92.6-2006 must be performed at designated intervals as prescribed.

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.



GREEN – Indicates operation or maintenance information.

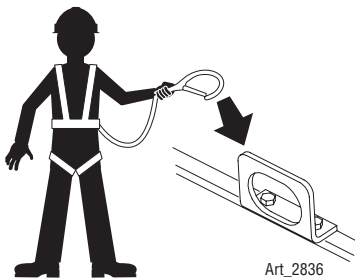
Fall Protection

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

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

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

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



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.



Art_2824



Art_2823

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:

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	3.1
Over 50KV to 200KV	15	4.6
Over 200KV to 350KV	20	6.1
Over 350KV to 500KV	25	7.6
Over 500KV to 750KV	35	10.7
Over 750KV to 1000KV	45	13.7

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 use the machine as a ground for welding.

Tip-over Hazards



Art_2828

DO NOT exceed the maximum platform capacity. 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 and/or on a slope.

STOP if the alarm sounds and the red light illuminates when the platform is raised. Use extreme caution to lower the platform.

Driving: DO NOT drive the machine on a slope that exceeds the maximum uphill or downhill slope rating. Slope rating applies to machines in the stowed position.

Driving in stowed position: use extreme care and reduce speed 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, curbs, drop-offs or other hazardous conditions.

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

Maximum Allowable Side Force

ANSI and CSA
50 lbs (222 N) per person



Art_2834

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 wind speeds exceed 28 m.p.h. (12.5 m/s) when the platform is elevated, carefully lower the platform 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 exceed the Sheet Materials Rack maximum capacity of 250 lbs (113 kg). Ensure material is secure.



Art_2833

DO NOT PUSH OR PULL OBJECTS OUTSIDE PLATFORM

NEVER transport tools and materials unless they are firmly secured. Secure all tools and loose materials.

NEVER alter or disable any machine components.

NEVER replace any part of the machine with items of different weight or specification.

NEVER modify or alter the work platform without written permission from MEC.

NEVER place ladders or scaffolds in the platform or against any part of the machine.

NEVER use the machine on a moving or mobile surface or vehicle.

Ensure that all tires are in good condition and lug nuts are properly torqued.



Art_2831

DO NOT ELEVATE IN WINDY CONDITIONS



Art_2832

DO NOT USE AS CRANE

Fall Hazards



Art_2826

DO NOT CLIMB ON RAILS

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

Keep the platform floor clear of debris.

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

Ensure that the platform entry is properly closed and secured before operating the machine.

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



Art_2825

DO NOT EXIT PLATFORM WHEN ELEVATED

Collision Hazards



Art_2835

Check path before moving for equipment, materials or other obstructions.

Check path before moving for overhead obstructions.

Check path before moving 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.

Watch for personnel and obstructions below the platform when lowering the platform.



Art_2829



Art_2827

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.

DO NOT connect the ground lead to the platform.

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

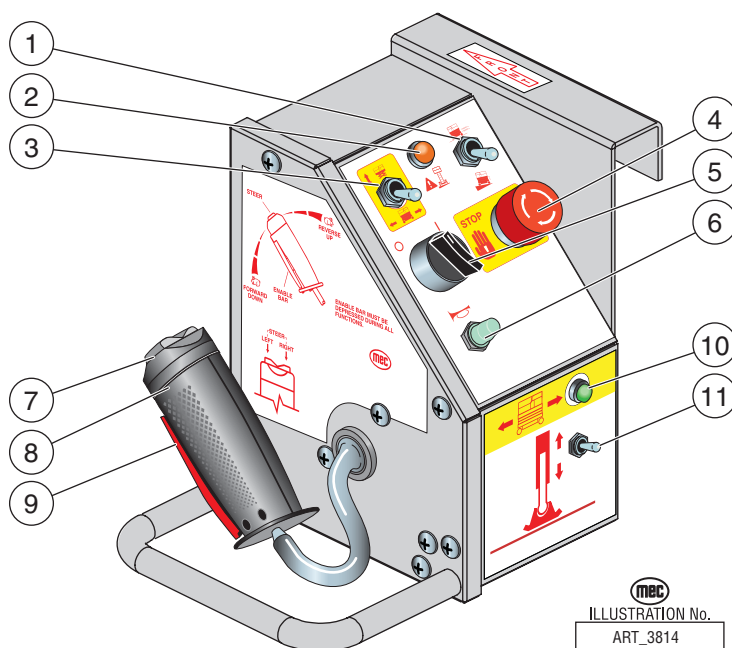
Keep sparks, flame and lighted tobacco away from batteries. Batteries emit explosive gas.

Electrocution Hazard

Avoid contact with electrical terminals.

Controls & Components

Platform Controls

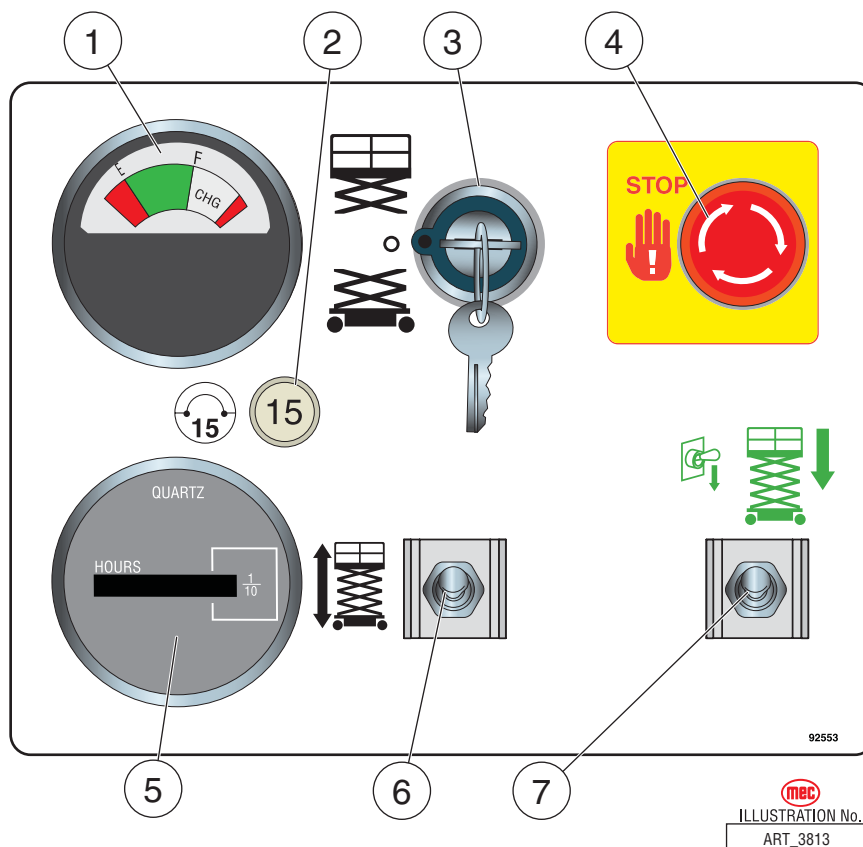


WARNING

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

CONTROL		DESCRIPTION	
1	Speed/Torque Selector Switch	Move this switch to the up for high speed drive. Push this switch to down for high torque drive.	
2	Tilt Indicator Light	If illuminated, the machine is not level. Carefully lower the platform, then move the machine to a firm, level surface.	
3	Lift/Drive Switch	Move this switch UP to enable the Lift function. Move this switch DOWN to enable the Drive function.	
4	Emergency Stop Switch	Press the EMERGENCY STOP switch at any time to stop all machine functions. Turn switch <i>clockwise</i> to reset	
5	On/Off Switch	This switch turns power ON or OFF at the platform (does not affect the Lower Controls)	
6	Horn Button (Option)	Press to sound warning horn.	
7	Steer Switch	Using your thumb, press and hold the rocker switch to steer Left or Right.	
8	Control Handle	DRIVE	Proportionally controls Forward and Reverse travel.
		LIFT	Proportionally controls Lift and Lower functions.
9	Enable Bar	Squeeze to enable DRIVE, STEER, and LIFT functions from the Joystick.	
10	Drive Enable Indicator (Outrigger Option)	Lamp ON	Outriggers are retracted and machine will drive.
		Lamp OFF	Outriggers are extended and machine will not drive.
11	Extend/Retract (Outrigger Option)	Push the toggle switch DOWN to extend the outriggers. Continue pushing down until the outriggers stop automatically. Push the toggle switch UP to retract the outriggers.	

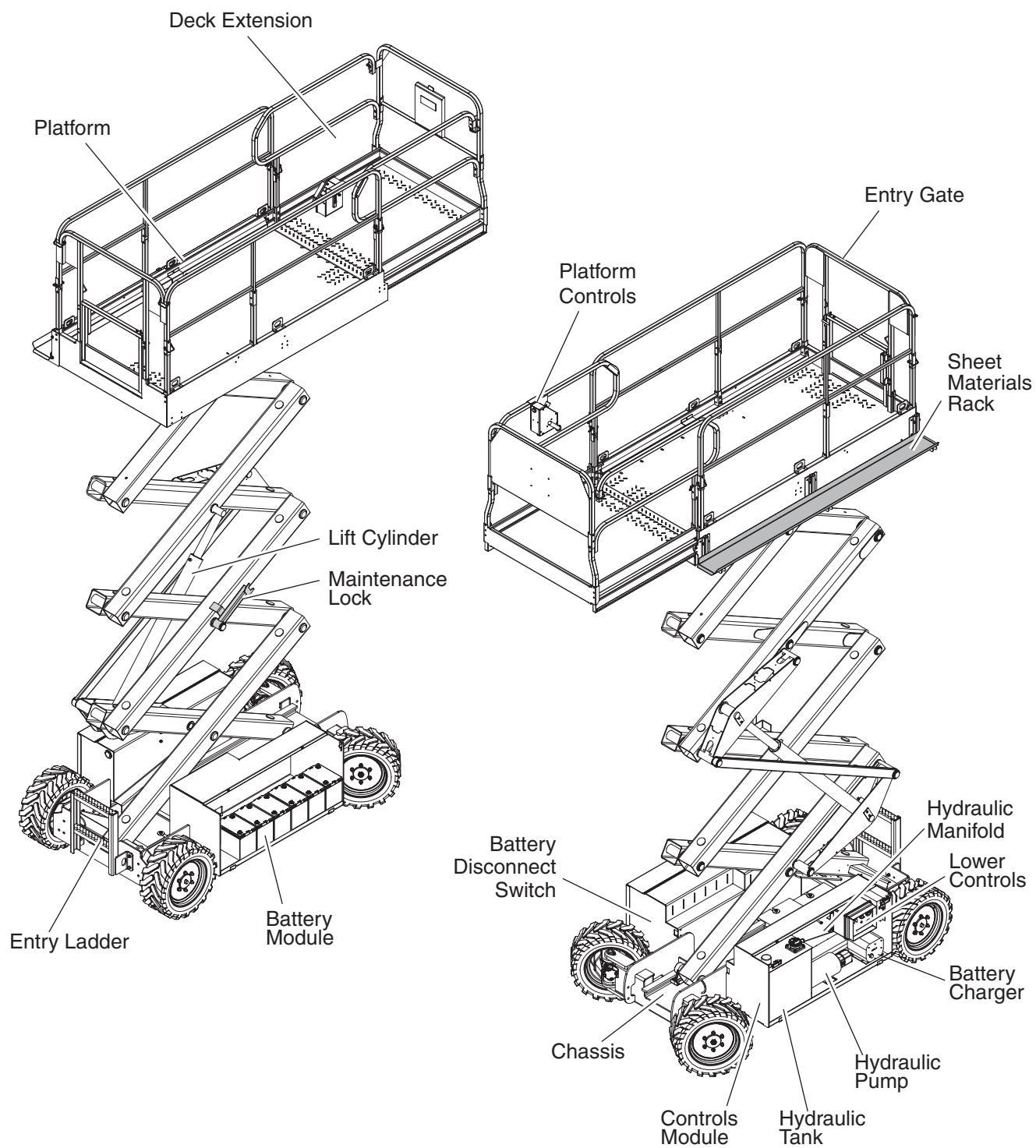
Lower Controls



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

CONTROL		DESCRIPTION
1	Battery Charge Indicator	Indicated the state of the battery charge.
2	Circuit Breaker	Trips when there is excessive electrical load. Push to reset.
3	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.
4	Emergency Stop Switch	Press the EMERGENCY STOP switch at any time to stop all machine functions. Turn switch <i>clockwise</i> to reset
5	Hour Meter	Indicates total elapsed time of machine operation.
6	Platform Lift/Lower Switch	With the Selector Switch in the BASE position, move this switch up to lift the platform or down to lower the platform.
7	Emergency Down Switch	Move this switch down to lower the platform in the event of an emergency or power loss.

Component Locations



Module Covers removed for clarity

ART_3815

Workplace Inspection

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.

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

Be sure the lift is the correct machine for the job.

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

Workplace Inspection

Before operating the machine, check the workplace for all possible hazards, including but not limited to:

- drop-offs or holes, including those concealed by water, ice, mud, etc.
- sloped, unstable or slippery surfaces
- bumps, surface obstructions and debris
- overhead obstructions and electrical conductors
- other objects or equipment
- 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

Operating Instructions & Function Tests

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.

This section provides instructions and tests for each function of machine operation. Follow all safety rules and instructions. The operator must conduct inspections and 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 step outlined in this section.

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

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

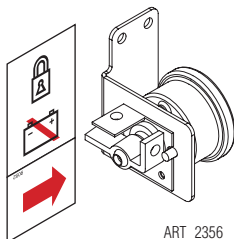
DO NOT use a machine that is malfunctioning. If any function does not perform as described, tag the machine and remove for repair by a qualified service technician. After repairs are completed, a Pre-Start Inspection and Functions Test must be performed before using the machine.

Prestart

- Perform *Prestart Inspection* (see page 31).
- Check Emergency Stop Switches at both the base and platform controls – turn clockwise to reset.



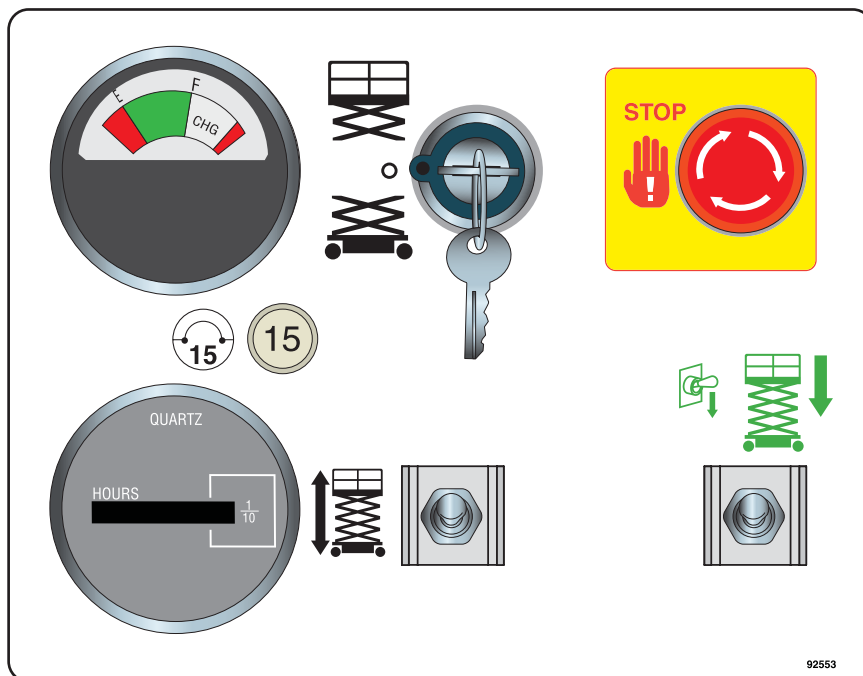
ART_3817



ART_2356

- Check Battery Disconnect Switch outside the Battery Module.
Must be in ON position.

Base Controls Operation and Test



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mec
ILLUSTRATION No.
ART_3818

**WARNING**

Check the area above and around the machine for obstructions before operating the machine. The machine must have space to allow full elevation of platform.

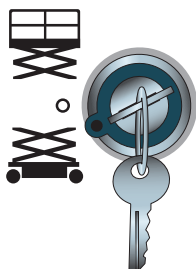
Emergency Stop



ART_3817

- Press the Emergency Stop Switch at any time to stop all machine functions.
- Turn switch *clockwise* to reset.

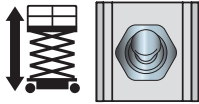
Select BASE Operation



ART_3820

- Turn the Selector Key Switch to BASE.

Lift/Lower



ART_3822

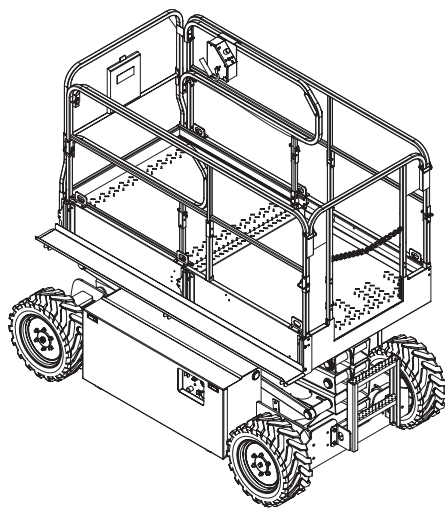
- Press and hold the Lift/Lower switch on the base control panel to lift or lower the platform.

Test Operation

- Raise the platform until it stops. Platform should lift to full height.
- Lower the platform until it stops. Scissor assembly should close completely.
- Releasing the switch will stop Lift/Lower function.
- Pressing the Emergency Stop Switch will stop lift/lower function.

Platform Control Operation and Test

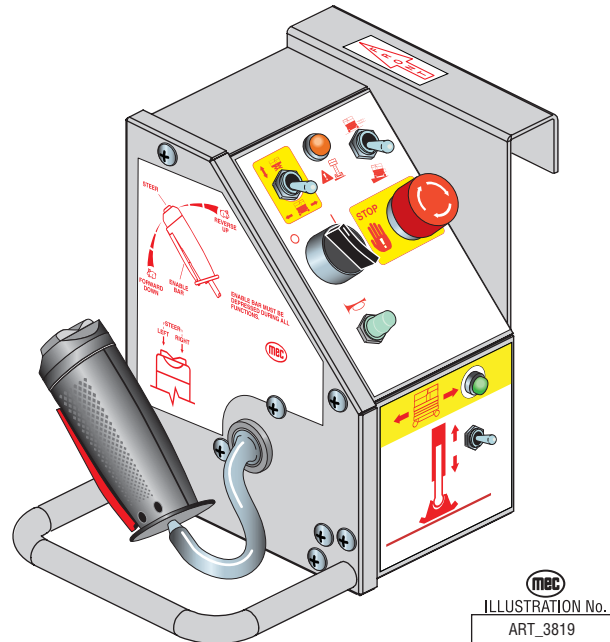
Entering The Platform



ART_3831

Personnel shall enter and exit the platform only at the Personnel Entry Gate. Check that it is properly secured before operation.

Platform Control Panel



IMPORTANT—Before moving, 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.

Platform Operations Test

Emergency Stop

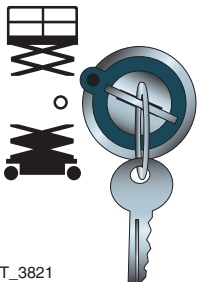


ART_3823

- 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.

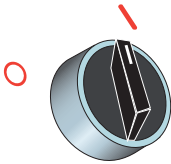


ART_3821

Select PLATFORM Operation

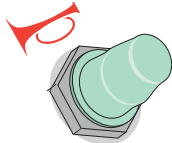
- **Base Controls:** Turn the selector switch to PLATFORM.

Operate from Platform



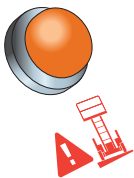
ART_3826

- Enter the platform through the personnel entry gate. Close and secure the entry.
- Turn the platform selector switch to the ON position.



ART_3824

- Press the Horn Button (if equipped) to verify proper operation.



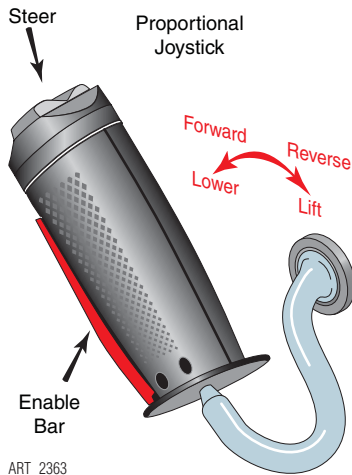
ART_3825

Tilt Indicator Light

Light ON and alarm sounding indicates an unsafe condition.

- STOP. The machine is not level. Carefully lower the platform. Move the machine to a firm, level surface, or if equipped with outriggers, level the machine.

Control Lever Operation

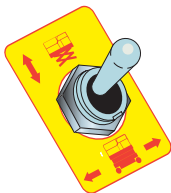


- Function speed is proportional and is controlled by the movement of the control lever.
- The further it is moved forward, the faster the speed will be.
- The control lever returns to the neutral (center) position when released.



WARNING

Do not elevate platform unless guardrails are installed and secure. If the platform fails to lower DO NOT attempt to climb down the elevating assembly. Serious injury may result – see Pothole Protection Bars on page 22.



Elevate Platform

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

Test Operation

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

Lower Platform

- Place the MODE SELECT switch in the LIFT position.
- Move the control lever 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.

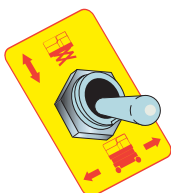


WARNING

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

IMPORTANT—Always check front steer wheel direction before driving.

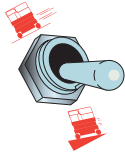
Steering



- 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_3829

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 creep speed and the switch is locked-out (non functioning).

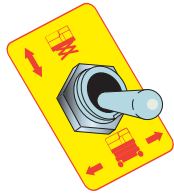
- HIGH SPEED: allows higher drive speeds for travel across flat ground.
- HIGH TORQUE: use to drive up or down a slope that is too steep for normal speed.

Drive Forward

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

Test Operation

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



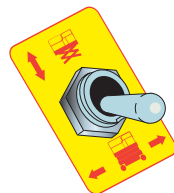
ART_3827

Drive Reverse

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

Test Operation

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

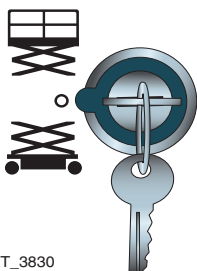


ART_3827

Brake

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

Shutdown Procedure



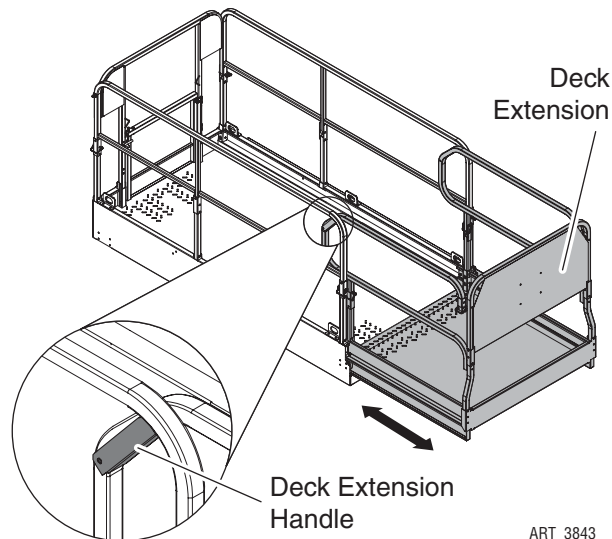
ART_3830

- When finished with the machine, place the platform in the stowed position.
- Park the machine on a level surface.
- Turn the Selector 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.
- Always put the switch in OFF position when leaving the machine at the end of the work day.

Deck Extension



IF THE ROLL-OUT DECK IS EXTENDED CHECK FOR CLEARANCE UNDER DECK AREA BEFORE LOWERING PLATFORM.



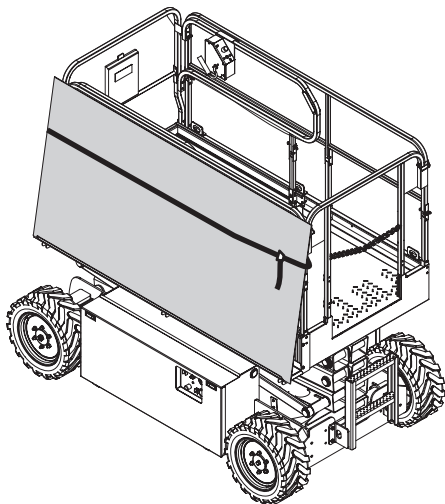
ART_3843

- Squeeze the handle at the rear of the extension deck to raise the spring-loaded pin from the locked position.
- With handle raised, push the deck out to the desired extended length and release the handles for the spring-loaded pin to lock into position.
- Extensions can be achieved in intervals of 6 inches (15 cm) throughout the entire length of the roll-out extension deck.

Sheet Materials Rack



**DO NOT exceed the Sheet Materials Rack capacity of 250 lbs (113 kg).
DO NOT allow any personnel to stand below the machine when the Sheet Materials is in use.
DO NOT use with optional 55" wide platform. DO NOT lift or attach material to the outside of the optional 55" wide platform.
Fasten the material securely with straps until use.**



ART_3846

This machine is equipped with a Sheet Materials Rack. Up to 250 lbs (113 kg) of sheet material may be secured outside the platform to this rack. Maximum size of material on the Sheet Material Rack is 4' x 8' (1.2m x 2.4 m) for outdoor wind loading. All material should be centered on the Sheet Materials Rack.

Fasten the sheets to the platform with straps until ready to use. Attach the straps to the guardrail of the main platform only. DO NOT fasten the straps to the deck extension guardrail.

Use caution when driving the machine or elevating the platform when the Sheet Material Rack is loaded.

Optional Material Clamps/Pipe Racks

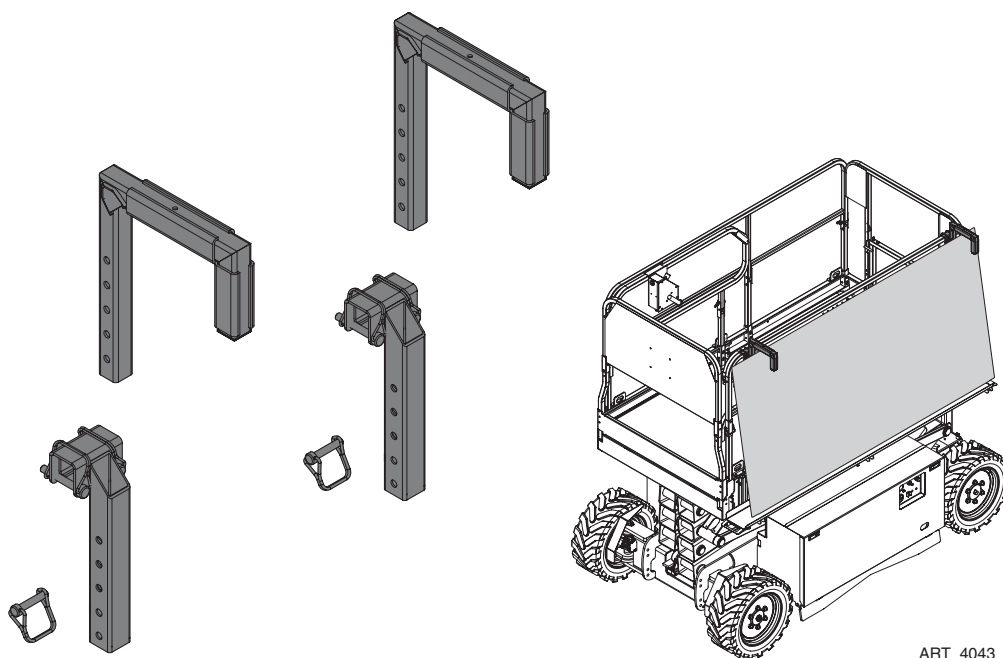
WARNING

- ***Material Clamps/Pipe Racks may be used only on the 47" (1.2 m) deck equipped with the Sheet Material Rack. DO NOT use on the optional 55" (1.4 m) wide deck.***
- ***The Material Clamps/Pipe Racks may be used only on the Sheet Material Rack side of the platform. DO NOT use on the side opposite the Sheet Material Rack.***
- ***All material must be centered.***

The optional Material Clamp/Pipe Rack allows the user to hold sheet material in place without the use of straps, or by inverting the clamps, to carry pipe or other long material.

Mount the clamps approximately 8 inches (20 cm) from the ends of the guard rails, above the Sheet Material Rack. Move the clamps closer together as needed to enable the use of both clamps on shorter material.

Material Clamp Use



Remove the J-shaped arms from the Material Clamps when loading material on the Sheet Material Rack.

When all material is loaded, replace the J-shaped arms as shown and secure them in place with the snap pins.

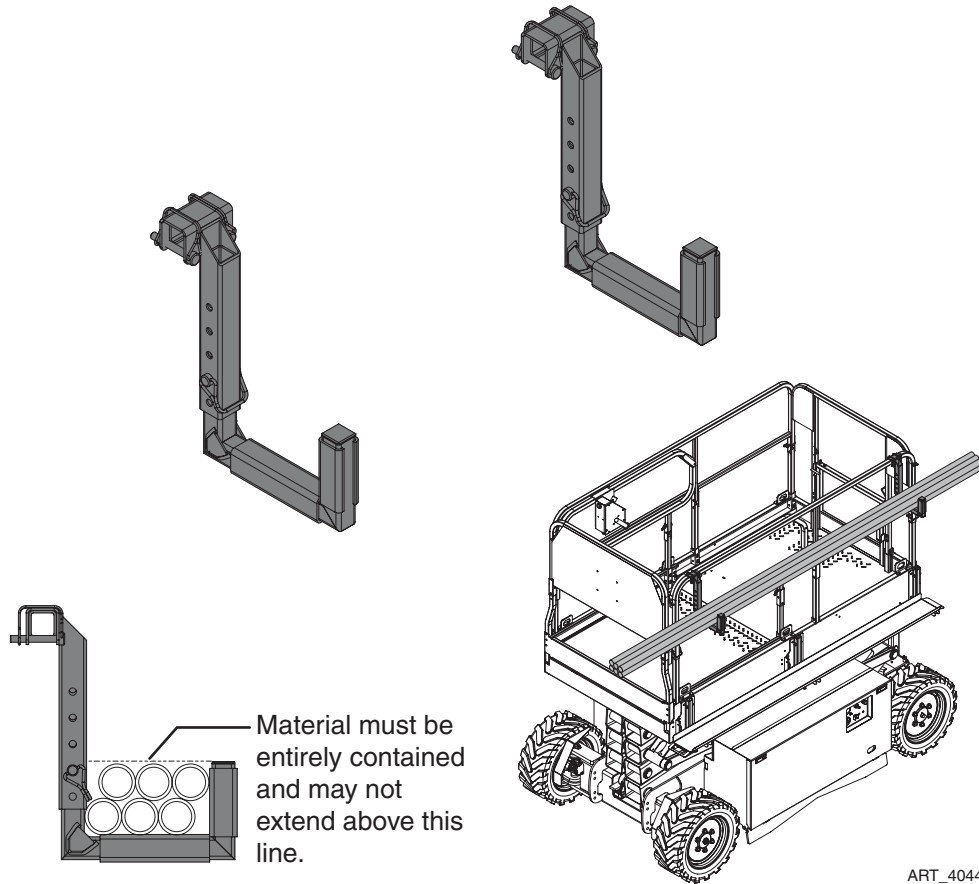
Pipe Rack Use

! WARNING

*The Sheet Material Rack MAY NOT be used when the Pipe Rack is in use.
Maximum capacity is 125 lbs (57 kg) each side/250 lbs (114 kg) total.
Maximum length of pipe/long material is 12 feet (3.65 m). Material must be centered on the Pipe Rack.
Material must be entirely contained by the arms of the rack and may not extend above the shorter arm.*

! CAUTION

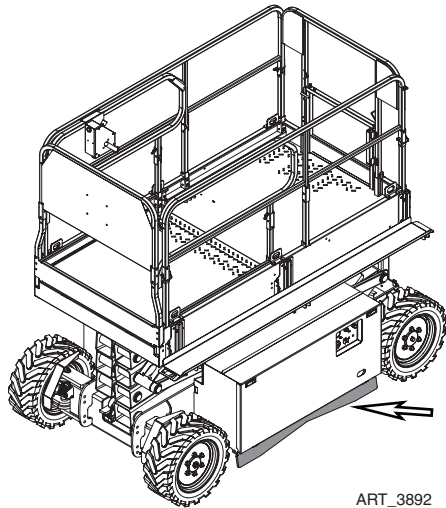
Use extreme caution and watch for obstructions when driving and lifting/lowering with long material on the rack.



Mount the J-shaped arms as shown for Pipe Rack use.

The maximum permissible length of material is 12 feet (3.65 m). All material must be centered on the Pipe Rack.

Pothole Protection Bars

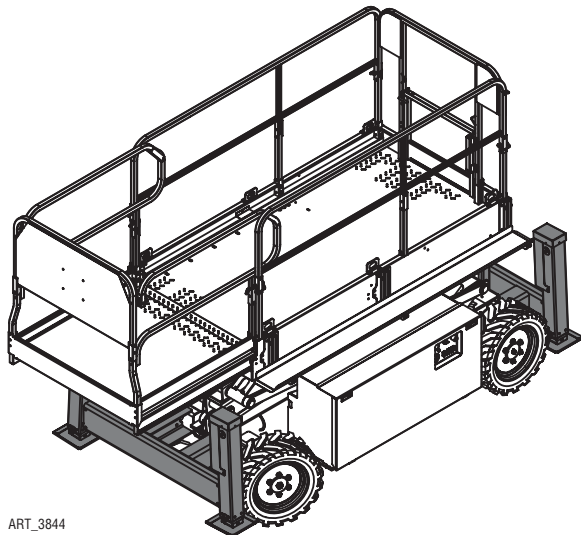


This machine is equipped with Pothole Protection Bars. These are activated electronically, are hydraulically actuated and lock into place. A limit switch confirms full deployment.

Pothole Protection Bars deploy when the platform reaches 20 ft (6 m) height and drive is initiated.

Confirm proper operation of the Pothole Protection Bars during the Pre-Start Inspection. DO NOT use this machine if the Pothole Protection Bars do not function properly.

Outrigger Operation (optional)



Lower the outriggers only when the machine is on a firm surface. The surface must be capable of supporting the maximum ground pressure per wheel/outrigger (see Specifications).

The Outrigger Control Switch is located on the front face of the Upper Control Box.



WARNING

Check that all ground personnel are clear of the machine before deploying the outriggers.

Extend

Push and hold the Outrigger Control Switch DOWN to extend the outriggers.

- The outriggers will extend and level the machine. When the machine is level and ready to operate, the outriggers will stop automatically.
- The Drive Enable Indicator Lamp will turn OFF, indicating that the outriggers are extended and that machine drive function is disabled.

Retract

Push and hold the Outrigger Control Switch UP to retract the outriggers.

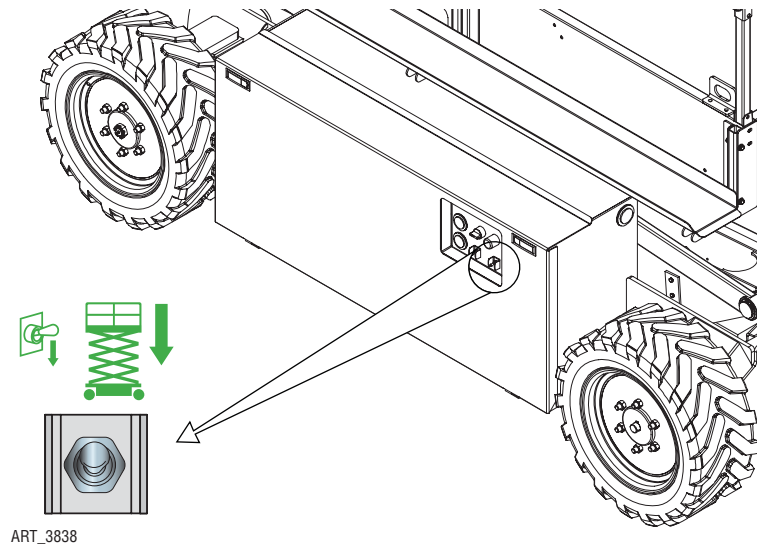
- The outriggers will retract.
- The Drive Enable Indicator Lamp will turn ON, indicating that the outriggers are retracted and that machine drive function is enabled.

Emergency Lowering System



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

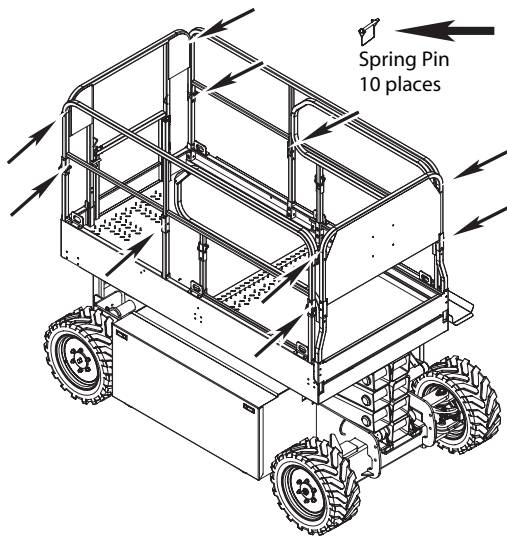
Do not climb down the scissor assembly or exit the platform.



The Emergency Lowering System is used to lower the platform in case of power failure.

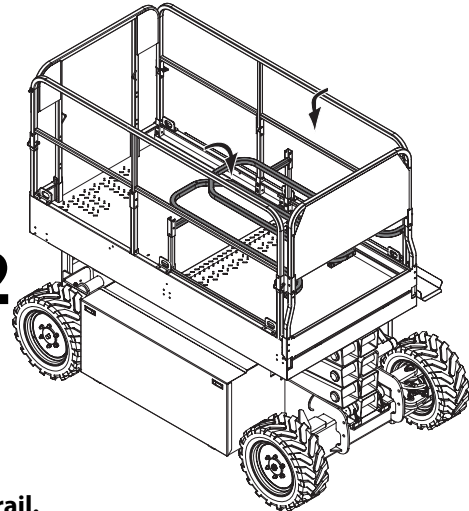
To lower the platform, push down on the Emergency Lowering Switch, located at the Lower Control Box.

Fold Down Platform Railings

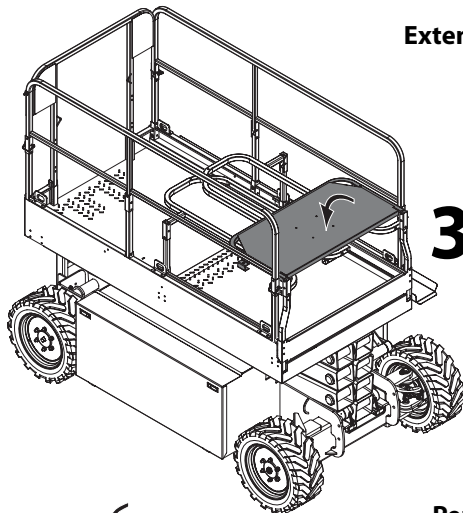


1

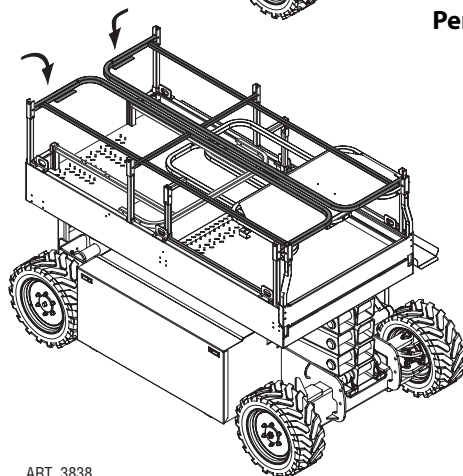
Remove the spring pins as needed to perform the following steps.



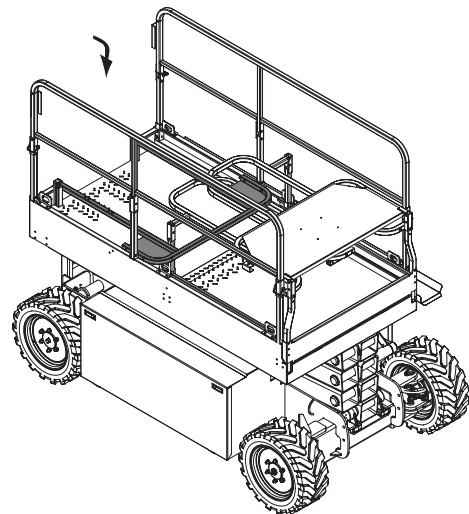
Fold down the
Extension Deck side rails. 2



3 Fold down the
Extension Deck front rail.



Fold down the
Personnel Entry rail. 4



5 Fold down the
Main Deck side rails.

ART_3838

To return the machine to normal operation mode:

- Lift all rails into their upright position, then secure them with spring pins
- Check that the Personnel Entry closure functions properly
- Position the platform control box on the front right rail of the machine.

DO NOT use the machine until all closures and guard rails are in position and properly secured.

Battery Charger

The charger is an advanced, microprocessor controlled, high frequency switching type charger.

The charger will work even with batteries in a severe discharge state with battery terminal voltages as low as 4V. This reduces the need to “boost charge” weak batteries before charging.

The charger has a 22 hour timer in case charging can not be completed due to battery problems. The charger senses and flashes error codes for problems – refer to the *SERVICE MANUAL*.

Battery charger LEDs can be viewed through a window in the door of the Control Module.

IMPORTANT— The machine will not operate when charger is plugged in. Be sure to disconnect the charger from the outlet before attempting to operate the unit.

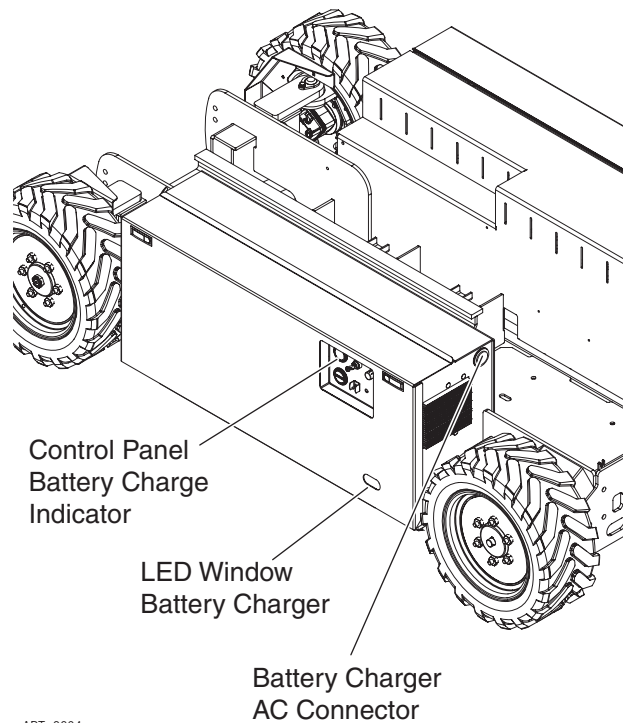
WARNING

Lead-acid batteries generate explosive gases. Keep sparks and flame away from batteries.

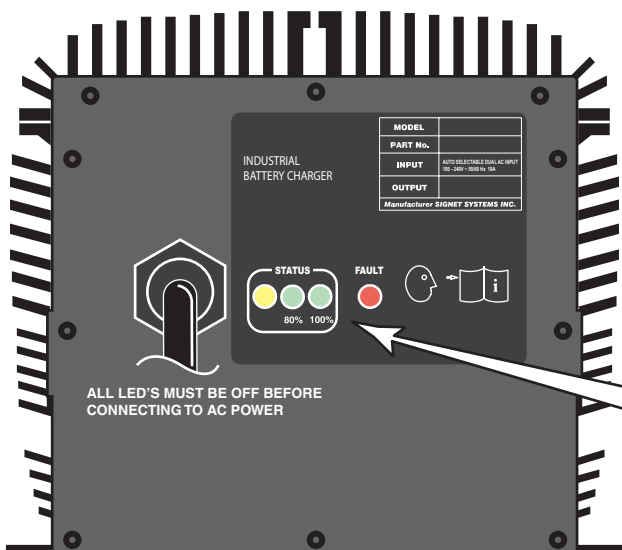
No Smoking!

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

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



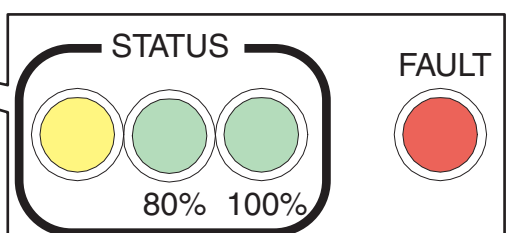
ART_3904




BATTERY CHARGER INDICATOR

	YELLOW	80%	100%	FAULT
No AC power to charger	OFF	OFF	OFF	OFF
Normal operation, charger is charging	ON	OFF	OFF	OFF
Normal, battery is over 80% charged	ON	ON	OFF	OFF
Normal, battery is 100% charged	OFF	OFF	ON	OFF

Please see service manual for additional information.




ILLUSTRATION No.
ART_2374

Charge Batteries

- 1 Plug the charger into a single phase AC socket with a nominal voltage rating of 100V, 110V, 115V, 120V, 220V, 230V, or 240V and a frequency rating of 50 or 60Hz.
 - The charger automatically senses and adjusts to the AC voltage and frequency.
 - At 110/120V the wall socket circuit breaker should be a 20A breaker with no other loads on the circuit.
- 2 The charger will start automatically within a few seconds and begin charging the batteries.
- 3 The LEDs indicate the charging progress.
 - The yellow LED will turn *ON* and remain *ON* throughout the charging cycle.
 - When the battery is 80% charged the green 80% LED will turn *ON*.
 - When the battery is fully charged the green 100% LED will turn *ON* and the green 80% LED will turn *OFF*.
 - When the battery is fully charged the yellow LED will turn *OFF* indicating that the charger is no longer charging.

Charging time is dependent on depth of battery discharge, battery condition, and temperature.

If the charger is left plugged in after charging is complete (100% LED *on*) the charger goes into maintenance mode to keep batteries charged while in storage.

The charger continuously measures battery voltage and restarts the charging cycle if the battery voltage drops below about 50V. This keeps batteries charged while in storage but does not boil-out the electrolyte over time.

Turn *OFF* charger by unplugging (disconnect from AC voltage).

Red FAULT LED

- **ON:** Battery pack probably bad, weak, or a bad cell.
- **1 FLASH:** Open or short circuit. Remove from service until problem is identified and corrected.
- **2 FLASH:** Charger timed out. Battery pack probably bad, weak, or a bad cell. Unplug for 30 seconds, then plug in to start a new charge cycle.

Note: New batteries sometimes need 20 to 30 charge/discharge cycles before they charge normally. The charger LEDs may only show yellow or 80% LED *ON* after overnight charging. Within a few weeks the 100% LED will turn *ON* at the end of the charge cycle.

Maintenance

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.

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.



Hydraulic fluid under pressure can penetrate and burn skin, damage eyes, and may cause serious injury, blindness, and death. Repair leaks immediately. Fluid leaks under pressure may not always be visible. Check for pin hole leaks with a piece of cardboard, not your hand.



NEVER perform work or inspection on the machine with the platform elevated without first blocking the scissor assembly with the Maintenance Lock (see page 28).

Failure to perform scheduled maintenance at recommended intervals may result in injury or death. Keep maintenance records current and accurate.

Immediately report any damage, defect, unauthorized modification or malfunction to your supervisor. Any defect must be repaired prior to continued use. DO NOT use a damaged, modified or malfunctioning machine.



Never leave hydraulic components or hoses open. Plug all hoses and fitting immediately after disassembly to protect the system from outside contamination (including rain).

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 cause as much damage as no lubrication.

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

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

Routine Maintenance

IMPORTANT— The operator may perform only maintenance items on the Pre-Start Inspection Checklist. Frequent and Annual maintenance must be performed by qualified service technicians.

Pre-Start Inspection Perform routine maintenance as identified in the *Pre-Start Inspection Checklist* on page 31.

Frequent and Annual Maintenance

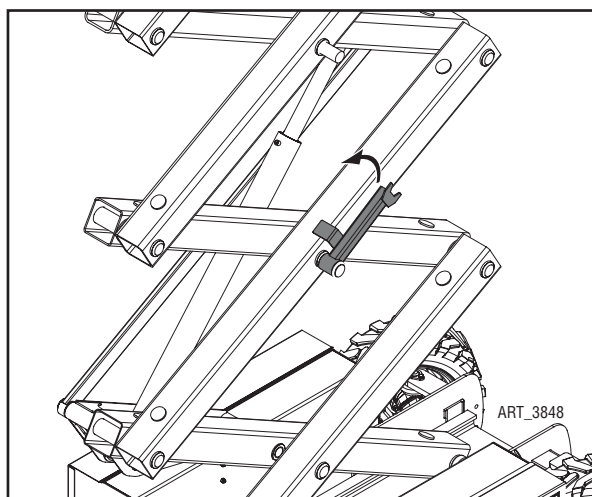
Frequent Inspection Checklists and Annual Inspection Reports must be completed by qualified service technicians trained and authorized to perform maintenance on this machine, and must be done in accordance with the procedures outlined in the service manual. Scheduled maintenance inspection checklists are included in this manual for use by qualified service technicians.

Machines that have been out of service for more than three months must have the Frequent Inspection Checklists completed before returning to service.

Maintenance Lock



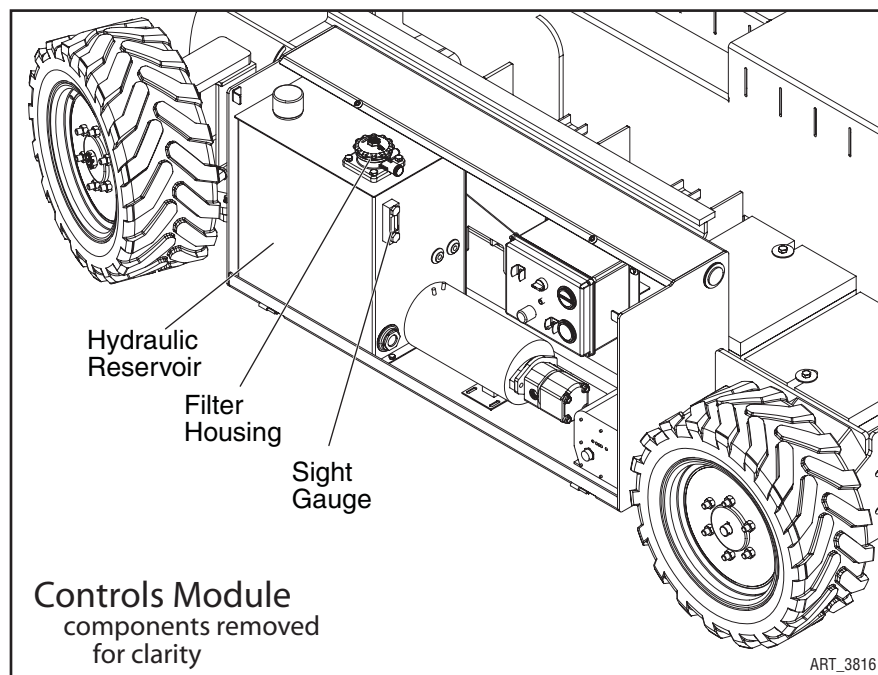
NEVER perform work or inspection on the machine with the platform elevated without first blocking the scissor assembly with the Maintenance Lock.



To set the Maintenance Lock, raise the platform enough to allow the Maintenance Lock to rotate to vertical. Carefully lower the platform until the pin above rests securely on the Maintenance Lock.

Lubrication

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



Lubrication

No.	ITEM	SPECIFICATION	FREQUENCY
1	Hydraulic Reservoir	<p>Mobile Fluid DTE 10, DTE 13 M, or AW32</p> <p>Do not substitute other fluids as pump damage may result.</p> <p>Fill to the middle of the sight gauge with platform in the stowed position and stabilizers retracted.</p>	<p>Routine Maintenance Check sight gauge level daily</p> <p>Scheduled Maintenance Change yearly or every 600 hours, whichever occurs first</p>
2	Hydraulic Filter	<p>Filter Element (located inside Hydraulic Reservoir)</p>	<p>Scheduled Maintenance</p> <p>Normal Conditions Change every six months or 300 hours, whichever occurs first</p> <p>Severe Conditions--very dusty, exceptionally hot or exceptionally cold conditions Change every three months or 150 hours, whichever occurs first</p>

Machine Inspections and Maintenance

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.

The operator must conduct a 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.

**DANGER**

Hydraulic fluid under pressure can penetrate and burn skin, damage eyes, and may cause serious injury, blindness, and death. Repair leaks immediately. Fluid leaks under pressure may not always be visible. Check for pin hole leaks with a piece of cardboard, not your hand.

**WARNING**

NEVER perform work or inspection on the machine with the platform elevated without first blocking the scissor assembly with the Maintenance Lock (see page 28).

Perform scheduled maintenance at recommended intervals. Failure to perform scheduled maintenance at recommended intervals may result in a defective or malfunctioning machine and may result in injury or death of the operator. Keep maintenance records current and accurate.

Immediately report any damage, defect, unauthorized modification or malfunction to your supervisor. Any defect must be repaired prior to continued use. DO NOT use a damaged, modified or malfunctioning machine.

**CAUTION**

Never leave hydraulic components or hoses open. Plug all hoses and fitting immediately after disassembly to protect the system from outside contamination (including rain).

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 cause as much damage as no lubrication.

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

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

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.

Initial	Description
_____	Check that the operator's manual and manual of responsibilities 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; loose, 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 personnel entry for damage or modification. Check for missing spring pin retainers.
_____	Check that all warning and instructional decals are present, legible and secure.
_____	Check the tires for damage.
_____	Check that all structural components, pins and fasteners are present and properly tightened.
_____	Check for fluid leaks.
_____	Check hydraulic fluid level (check with platform fully lowered).
_____	Check that pothole protection bars deploy fully when the platform reaches 20 ft. (6 m) and drive is initiated.
_____	Check that batteries are clean and secure. Check terminals for proper tightness. Check for corrosion.
_____	Secure all covers, panels and guard rails.
_____	Ensure that the personnel entry is properly closed and secured before operating the machine.

Frequent Inspection Checklist



This checklist must be used at 3-month intervals or every 150 hours of machine use, whichever occurs first. Failure to do so could result in death or serious injury.

Frequent 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** _____ **Hour Meter Reading** _____

Initial	Description
_____	Perform all checks listed on Pre-Start Inspection.
_____	Inspect the condition of hydraulic fluid in the reservoir. Oil should be a clear amber color.
_____	Check battery electrolyte level and connections.
_____	Check wheel lug nuts for proper torque (see "Machine Specifications").
_____	Check if tires are leaning in or out.
_____	Inspect all structure 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.
_____	Check all wire connections for tightness and corrosion.
_____	Check outriggers (if equipped) for proper operation.
_____	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 security.
_____	Check the electrical mounting and hardware connections for security.
_____	Check the steering kingpins for excessive play.

Additional maintenance requirements for severe conditions

- _____ If the machine is used in very dusty, exceptionally hot or exceptionally cold conditions, replace hydraulic filter element (under normal conditions replace every 6 months or 300 hours, whichever comes first).

DATE _____ **INSPECTED BY** _____

Annual Inspection Report



Annual Inspection Report

MEC Aerial Platform Sales Corp.
 1401 S. Madera Avenue • Kerman, CA 93630 USA
 800-387-4575 • 559-842-1500 • Fax: 559-842-1522

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.

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 Mounting (4WD)					Emergency Down:				
All Rail Fasteners Secure					Rear Axle Mounting (4WD)					Operational				
Entry Gate/Chain Closes Properly					Front Axle/Front Wheel Assemblies:					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:					Lug Nuts Torqued Properly					Operate Smoothly				
Slides Freely					Steering Cylinder Pins Secure					Lock In Place				
Latches In Stowed Position					Pivot Points Lubed					Limit Switches Adjusted				
Latches In Extended Position					Drive Assembly Front Hubs:					Pressures & Hydraulics:				
Rail Latches Work Properly					Castle Nut Torqued Properly					Oil Filter Secure/Chg				
Cable Secure					Cotter Pinned					Oil Level Correct/Chg				
Platform:					Rear Axle/Rear Wheel Assemblies:					Steering Pressure Set				
Platform Bolts Tight					Brakes Operational					Drive Pressure Set				
Platform Structure					Wheel Motors-Mounting Secure					Lift Pressure Set				
Platform Overload System:					Wheel Motors-Leaks					Engine:				
Functional					Lug Nuts Torqued Properly					Engine Mounts Tight				
Calibrated					Axle Pivot Lubed (4WD)					Fuel Lines Secure				
Wire Harnesses:					Axle Lock Operational					Fuel Lines Free Of Leaks				
Mounted Correctly					Component Area:					Fuel Tanks Secure				
Physical Appearance					Valve Manifold(s) Secure					Fuel Shut Off Valves Func.				
110/220V Outlet Safe/Working					Hoses Tight/No Leaks					All Shields/Guards In Place				
Elevating Assembly:					D/C Mtr(s) Secure/Operational					Oil Level				
Beam Structures					Contactors Secure					Oil Filter				
Welds					Pump Secure					Air Filter				
Retaining Rings					Batteries:					Options Operational:				
Upper Cylinder Pins Secure					Secure					Hour Meter				
Lower Cylinder Pins Secure					Fully Charged					Battery Indicator				
Lower Beam Mounts tight					Battery Charger:					Warning Light				
Rollers Turn Freely					Secure					Warning Horn				
Maintenance Locks:					Operational					Generator				
Secure					Emergency Stop:					Converter				
Operational					Breaks All Circuits									

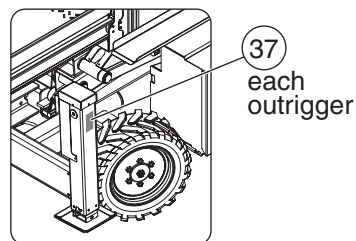
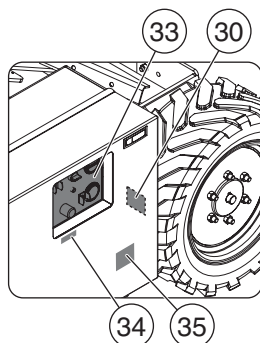
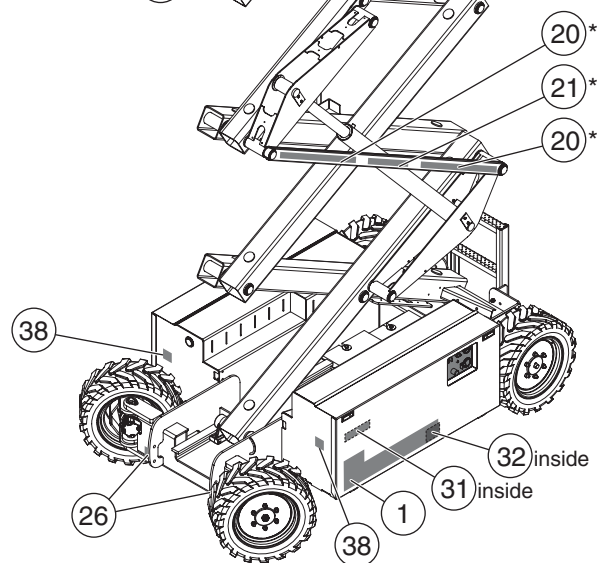
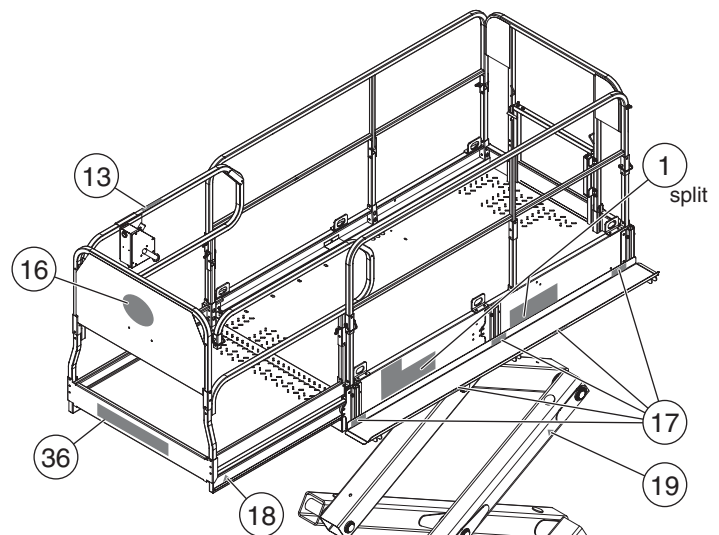
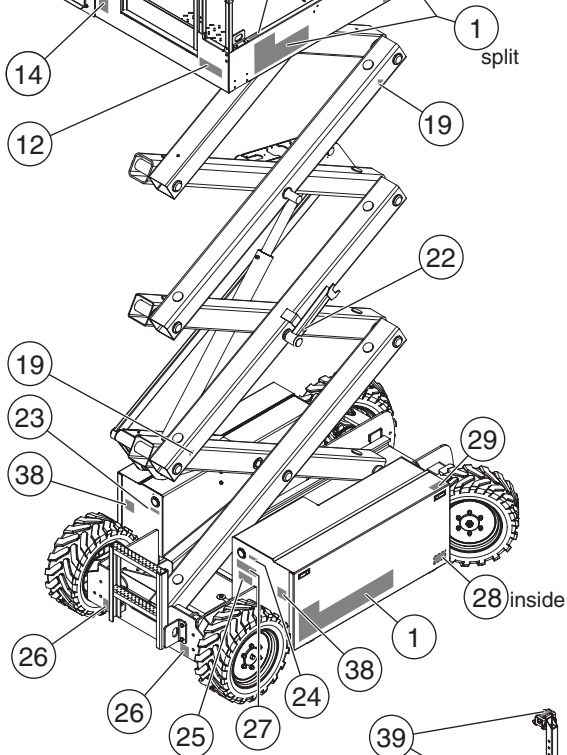
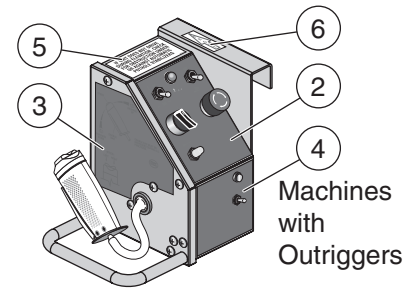
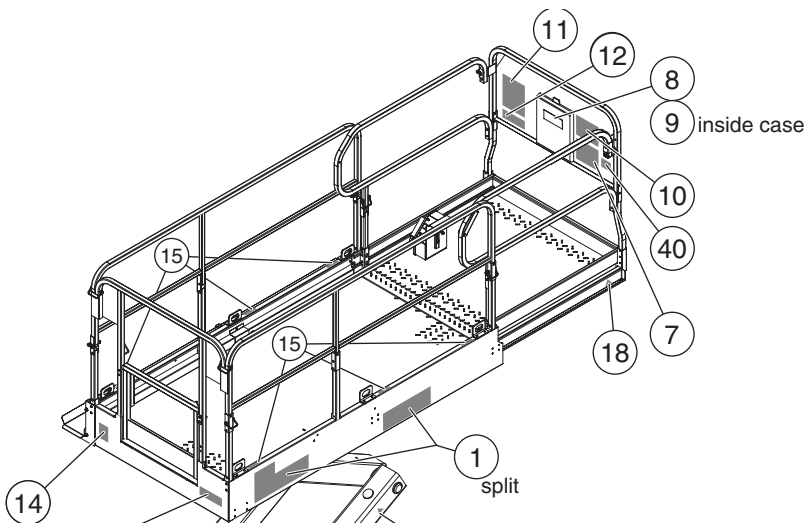
Comments: _____

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

P/N 90728 Rev. 3

Warning and Instructional Decals

All warning and instructional decals must be present, legible and secure.



*2659 -- as shown; 3259 -- each side

ART_3833

Decals (continued)

1 92842 (2659)
4 Places
mec
CROSSOVER 2659 ERT

1 92843 (3259)
4 Places
mec
CROSSOVER 3259 ERT

2 92680

3 90729

4 91730 (Option)

5 90735
IF UNIT DOES NOT DRIVE DURING ELEVATION, CHECK FOR OBSTRUCTION UNDER OR AGAINST AUTOMATIC POT HOLE STABILIZERS

6 7156
FRONT

7 90730
WARNING

8 8911

9 90718 (inside case)
WARNING
USE OF OPERATOR'S FEET TO HOLD MATERIAL ON PLATFORM IS PROHIBITED.
DO NOT OPERATE THE HOIST PLATFORM IF DO NOT HAVE THE PROPER TRAINING AND EXPERIENCE TO DO SO.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE DRIVING UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE FATIGUED OR OVERHEATED.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR SEAT BELT.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR SAFETY GLASSES.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR HEARING PROTECTION.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR RESPIRATORY PROTECTION.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE CLOTHING.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE EQUIPMENT.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE TOOLS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE MATERIALS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE DEVICES.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE ACCESSORIES.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE SUPPLIES.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE SERVICES.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE SUPPORTS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE STRUCTURES.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE SYSTEMS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE TECHNOLOGIES.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE TRENDS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE TYPES.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE VARIANTS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE VERSIONS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE VARIATIONS.
DO NOT OPERATE THE HOIST PLATFORM IF YOU ARE NOT WEARING YOUR PROTECTIVE VARIATIONS.

10 90721
DANGER

11 90722
WARNING

12 92552 (2659 std, 3259 w/ 55" deck option)
2 Places

12 92683 (3259 std)
2 Places

12 92849 (2659 w/ 55" deck option)
2 Places

13 7155
LOCATE CONTROL BOX HERE
FOR NORMAL OPERATION OF THE UNIT

14 90739
MADE IN USA

15 8605 (option)
6 Places
CERTIFIED LANYARD ANCHORAGE POINT

16 90719
mec

17 92554
5 Places
WARNING
MATERIAL RACK CAPACITY
250 LBS (113 KG)

18 91850
2 Places

19 9910
3 Places

20 7982
2 Places*

21 8503*
KEEP CLEAR

22 90717
MAINTENANCE LOCK
REFER TO PARTS AND SERVICE MANUAL FOR PROPER USE

23 90750
BATTERY CHARGER

24 90751
POWER TO PLATFORM

25 92054
Multiple Patents Pending

26 11026730
4 Places

27 92767

28 90726
WARNING
EACH REPLACEMENT BATTERY MUST WEIGH A MINIMUM OF 60 POUNDS / 27.3 kg
FAILURE TO MEET MINIMUM WEIGHT REQUIREMENT MAY CAUSE MACHINE INSTABILITY.

29 8779
WARNING
BATTERIES PRODUCE EXPLOSIVE GAS. CHARGE BATTERIES IN WELL VENTILATED AREA. DO NOT EXPOSE TO SPARKS OR FLAMES.

30 90732
WARNING
DO NOT OPERATE THE UNIT IF THE BATTERY IS NOT FULLY CHARGED. OPERATING WITH A PARTIALLY CHARGED BATTERY MAY CAUSE DAMAGE TO THE BATTERY AND REDUCE THE LIFETIME OF THE BATTERY.

31 6873
HYDRAULIC OIL

32 92700

33 92681

34 90401 (3259 std)
PLATFORM CAPACITY
500 LBS (226kg)

34 9935 (2659 w/ 55" deck option)
PLATFORM CAPACITY
1000 LBS (454 kg)

34 90269 (2659 std, 3259 w/ 55" deck option)
PLATFORM CAPACITY
750 LBS (340kg)

35 91956
BATTERY CHARGER INDICATOR

36 92416
www.mecawp.com

37 9465 (Option)
4 Places

38 90725
4 Places
WARNING
REPLACE TIRES WITH MANUFACTURER'S EQUIPMENT ONLY.
FAILURE TO USE MANUFACTURER'S TIRES MAY CAUSE MACHINE INSTABILITY.
REFER TO SERVICE AND PARTS MANUAL FOR REPLACEMENT PART NUMBER.

39 92848 (Option)
2 Places
WARNING
PIPE RACK CAPACITY
125 LBS EACH/250 LBS TOTAL.
SHEET MATERIAL RACK MAY NOT BE USED WHEN PIPE RACK IS IN USE.

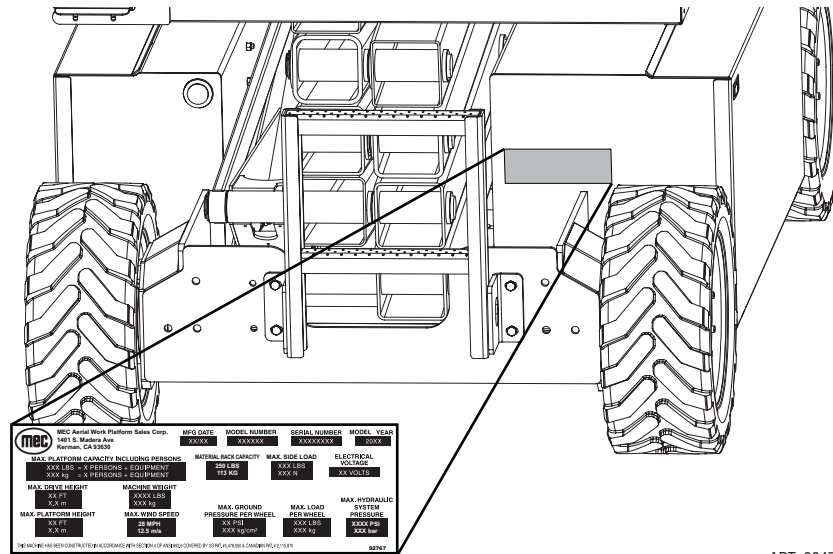
40 8606
WARNING
UNLATCHED ANCHORAGE POINTS ARE RECOMMENDED FOR WORK POSITIONING RESTRAINTS ONLY.
USE OF FULL ARREST SYSTEMS ATTACHED TO ANCHORAGE POINTS ON HOIST EQUIPMENT MAY CAUSE MACHINE TO BE RESULTING IN SERIOUS INJURY OR DEATH.

ILLUSTRATION No.
ART_3834

*2659 -- as shown; 3259 -- each side

Serial Plate Location

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



ART_3847

Serial Plate Description

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. PLATFORM CAPACITY INCLUDING PERSONS. 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. MANUAL FORCE. The maximum safe force that the occupant can exert laterally on an object outside the platform.

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

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

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

MAX. WIND SPEED. The maximum wind speed at which this platform may be safely operated.

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

$$P_{max} = 30\% (W_m + W_c + W_{opt}) / \text{Contact Area}$$

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

$$F_w = 30\% (W_m + W_c + W_{opt})$$

MAX HYDRAULIC SYSTEM PRESSURE. The maximum pressure at which this machine operates.

Troubleshooting



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

- Master disconnect turned on?
- Batteries properly connected?
- Batteries fully charged?
- Circuit Breaker tripped?
- Function toggle switch or the Enable Bar 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 not ON or FLASHING, refer to Service Manual or contact MEC Technical Support.

Transport and Lifting Instructions

Safety Information



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

Truck 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

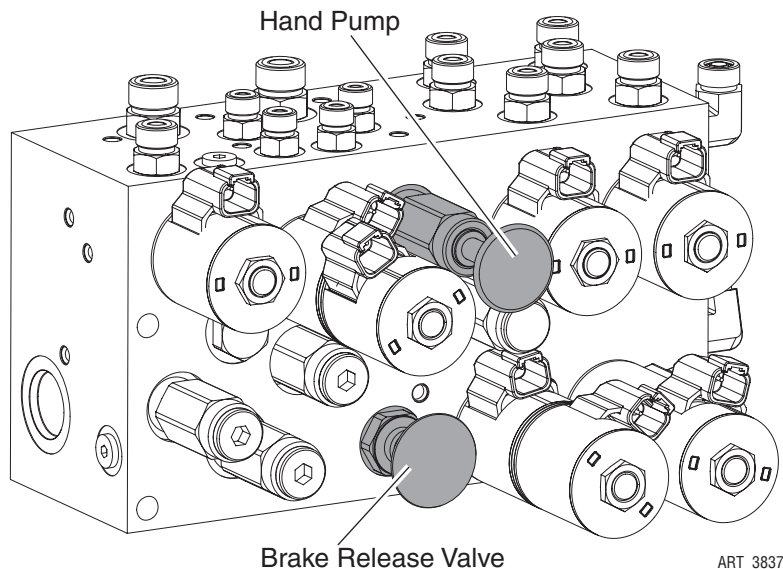
Free-wheel configuration for Winching or Towing.



RUNAWAY HAZARD!

After releasing the brakes there is nothing to stop machine travel. Machine will roll freely on slopes. ALWAYS chock the wheels before manually releasing the brakes.

The machine can be winched or towed short distances at speeds not to exceed 5 MPH (8 km/h). Before towing or winching the machine, it is necessary to release the brakes. Reset the brakes after towing or winching.



ART_3837

Disengage Brakes before Towing or Winching

- Chock the wheels.
- Press the Brake Release Valve, then press the Hand Pump button on the Functions Manifold repeatedly until the brakes release.

Engage Brakes before Driving

The brakes reset automatically when the engine is started.

The brakes may be manually applied by pulling the Brake Release Valve out.

Driving or Winching onto or off of a Transport Vehicle

WARNING

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.

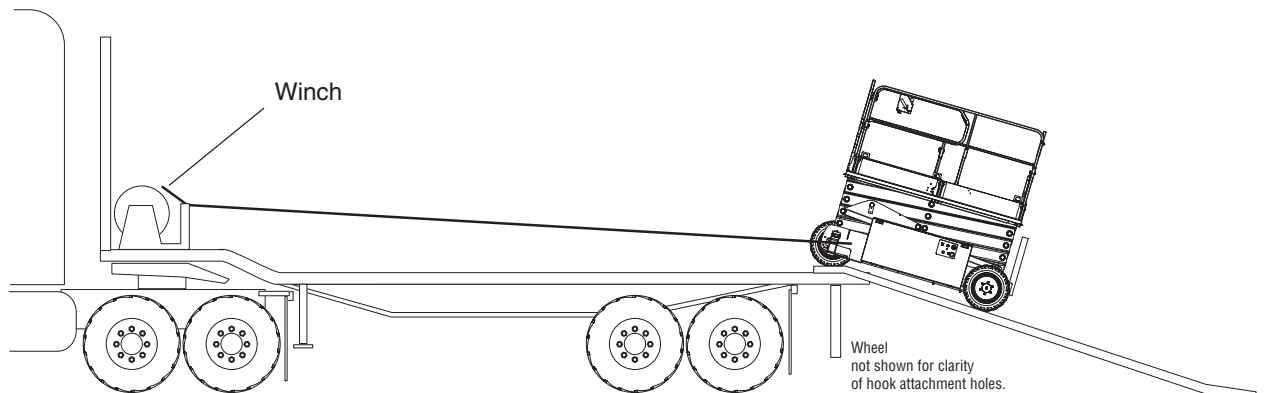
Note: The brakes are automatically released for driving and will automatically apply when the machine stops.

Winching

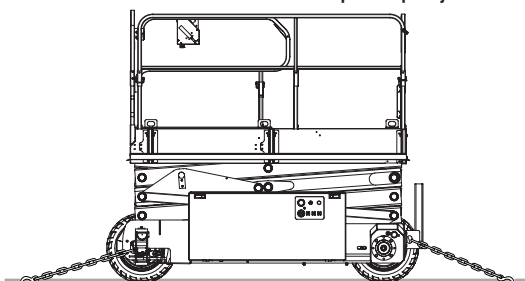
- Disengage brakes (see *Disengage Brakes before Towing or Winching* on page 38).
- Carefully operate the winch to lower the machine down the ramp.
- Chock the wheels and engage the brakes.

Securing to Truck or Trailer for Transport

- Turn the key Selector Key Switch to OFF and remove the key before transport.
- Inspect the entire machine for loose or unsecured items.
- Use chains or straps of ample load capacity.
- Use a minimum of four (4) chains or straps.
- Adjust the rigging to prevent damage to the chains and the machine.



Truck Tie Down Minimum 4 chains of adequate capacity



ART_4172 Near-side wheels not shown for clarity.

Lifting and Tie Down Instructions

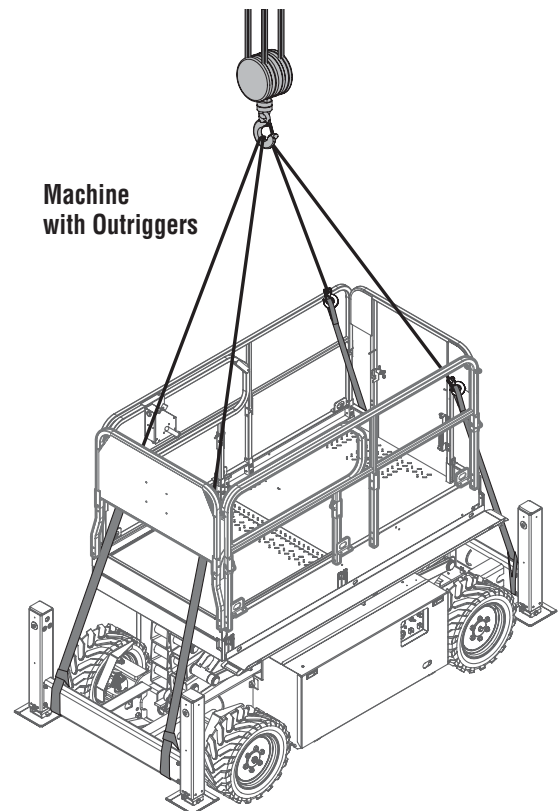
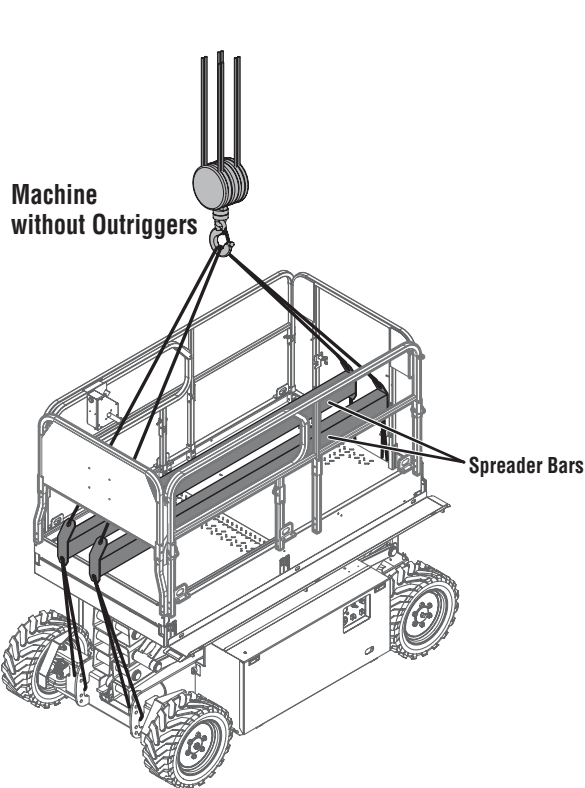
Lifting Instructions

WARNING

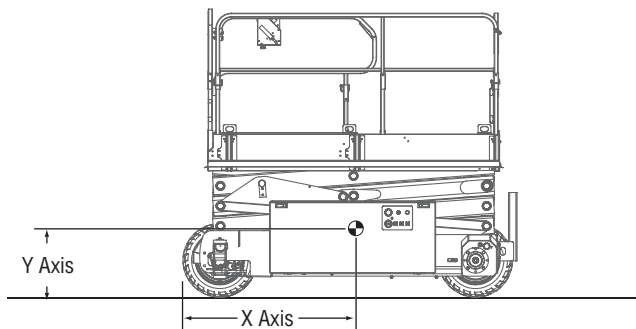
Only qualified riggers should rig and lift the machine.

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

- Fully lower the platform. Be sure the deck extension 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*.
 - For machines NOT equipped with outriggers, use spreader bars set to 96" length as shown below. Attach rigging to the lift/tie-down points on the chassis. Route the rigging as shown below to avoid damage to the guardrails.
 - For machines equipped with outriggers, **use slings only**. Attach the slings to the outrigger weldments as close to the outriggers as possible. Route the rigging as shown below to avoid damage to the guardrails.



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



Center of Gravity	X Axis	Y Axis
2659	53.6" (144 cm)	21.27" (54 cm)
3259	53.6" (144 cm)	23.27" (59 cm)

Near-side wheels not shown for clarity.

ART_4171



Limited Owner Warranty

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



MEC Aerial Platform Sales Corp.

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