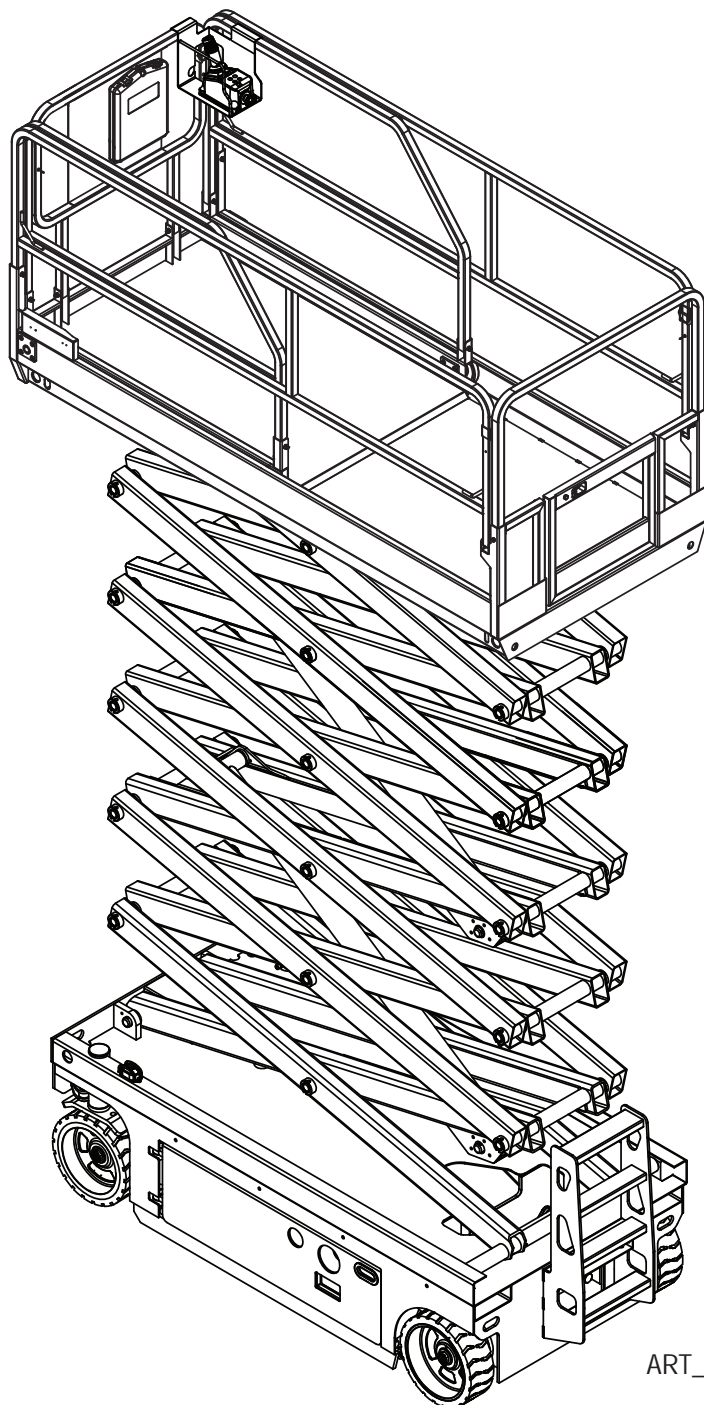




Operator's Manual

SE Series



ART_4908

1930SE Serial Number Range 16400000 - Up
2632SE Serial Number Range 16500000 - Up
3346SE Serial Number Range 16600000 - Up
4046SE Serial Number Range 16700000 - Up
4555SE Serial Number Range 16800001 - Up

Part # 94119
January 2024

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October 2020	ANSI 92.20-2020 Update



MEC Aerial Work Platforms

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Introduction

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

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



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

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

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

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

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



MEC Aerial Work Platforms

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Safety

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

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

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

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



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

Safety Alert Symbols & Fall Protection

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



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



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



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



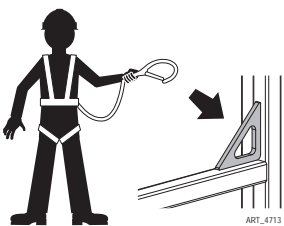
YELLOW without alert symbol and the word CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in property damage.



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

Fall Protection

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



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

All 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.

Specifications - 1930SE, 2632SE & 3346SE

		1930SE		2632SE		3346SE	
Working Height*	Indoor	25 ft	7.8 m	32.2 ft	10 m	38.8 ft	12 m
	Outdoor	25 ft	7.8 m	26 ft	8 m	32 ft	10 m
Platform Height	Indoor	19 ft	5.8 m	26.2 ft	8 m	32.8 ft	10 m
	Outdoor	19 ft	5.8 m	20 ft	6.1 m	26 ft	8 m
Maximum Drive Height		19 ft	5.8 m	26.2 ft	8 m	32.8 ft	10 m
Stowed Height	Top Guardrail	79.75 in	2.02 m	91 in	2.3 m	96.5 in	2.5 m
	Rails Folded	N/A		78 in	5 m	75 in	1.9 m
	Platform Floor	40.75 in	1.04 m	48 in	1.22 m	53 in	1.35 m
Guardrail Height		39 in	1 m	43.5 in	1.11 m	43.5 in	1.11 m
Toeboard Height		6 in	15 cm	6 in	15 cm	6 in	15 cm
Machine Weight** (Unloaded)		3,440 lb	1,560 kg	4,870 lb	2,210 kg	5,670 lb	2,570 kg
Maximum Lift Capacity		500 lb	227 kg	500 lb	227 kg	750 lb	340 kg
Sheet Material Rack Capacity†		110 lb†	50 kg†	110 lb†	50 kg†	250 lb†	113 kg†
Deck Extension Capacity		1 Person / 250 lb (113 kg)		1 Person / 250 lb (113 kg)		1 Person / 250 lb (113 kg)	
Maximum Occupants	Indoor	2 Persons		2 Persons		2 Persons	
	Outdoor	1 Person		1 Person		1 Person	
Manual Force	Indoor	90 lbs	400 N	90 lbs	400 N	90 lbs	400 N
	Outdoor	45 lbs	200 N	45 lbs	200 N	45 lbs	200 N
Length-Stowed (Overall)		74 in	1.86 m	97 in	2.46 m	97 in	2.46 m
Length-Stowed (Ladder Removed)		66 in	1.67 m	89.5 in	2.27 m	89.5 in	2.27 m
Platform Length (Extended)		100 in	2.54 m	124.5 in	3.16 m	124.5 in	3.16 m
Platform Length (Retracted)		65 in	1.65 m	89.5 in	2.27 m	89.5 in	2.27 m
Width (Overall)		30 in	76 cm	32 in	81 cm	47 in	1.19 m
Platform Width (Outside)		29 in	74 cm	32 in	81 cm	44 in	1.12 m
Wheel Base		54 in	1.36 m	74 in	1.87 m	74 in	1.87 m
Turning Radius - Inside		0 in	0 cm	0 in	0 cm	0 in	0 cm
Ground Clearance - Stowed		3.25 in	8.3 cm	4 in	10 cm	4 in	10 cm
Ground Clearance - Elevated		0.625 in	1.6 cm	0.7 in	2 cm	0.7 in	2 cm
Drive Speed (Proportional)	Stowed	0-2.8 mph	0-4.5 km/h	0-2.5 mph	0-4.0 km/h	0-2.5 mph	0-4.0 km/h
	Raised or Extended	0-0.5 mph	0-0.8 km/h	0-0.5 mph	0-0.8 km/h	0-0.5 mph	0-0.8 km/h
Gradability		25%/14°		25%/14°		25%/14°	
Maximum Side Slope - Stowed		5°		5°		5°	
Tilt Sensor Settings		2° side-to-side, 3° fore-and-aft		2° side-to-side, 3° fore-and-aft		2° side-to-side, 3° fore-and-aft	
Ground Pressure/Wheel		130 psi	9.14 kg/cm ²	154 psi	10.8 kg/cm ²	160 psi	11.2 kg/cm ²
Maximum Wheel Load		1,180 lb	535 kg	1,600 lb	725 kg	1,900 lb	860 kg
Occupied Floor Pressure		263 psf	1,284 kg/m ²	268 psf	1,308 kg/m ²	224 psf	1,091 kg/m ²
Maximum Operating Wind Speed		28 mph / 12.5 m/sec (45 km/h)		28 mph / 12.5 m/sec (45 km/h)		28 mph / 12.5 m/sec (45 km/h)	
Tire Size		12 x 4 inch / 305 x 100 mm		15 x 5 inch / 381 x 127 mm		15 x 5 inch / 381 x 127 mm	
Wheel Bolt Torque		19 ft-lb / 25.5 Nm		19 ft-lb / 25.5 Nm		19 ft-lb / 25.5 Nm	
Hydraulic Pressure		3,000 psi/ 207 bar		3,000 psi/ 207 bar		3,000 psi/ 207 bar	
Power System Voltage		24 Volt DC / 210 Ah		24 Volt DC / 225 Ah		24 Volt DC / 240 Ah	
Battery Charger	Input	110-230 V AC, 50-60 Hz		110-230 V AC, 50-60 Hz		110-230 V AC, 50-60 Hz	
	Output	24 Volt DC		24 Volt DC		24 Volt DC	
Batteries		Four 6-Volt deep cycle, 210 Ah		Four 6-Volt deep cycle, 225 Ah		Four 6-Volt deep cycle, 240 Ah	
Chassis Inclination		1.5 Side	3.0 Inline	1.5 Side	3.0 Inline	1.5 Side	3.0 Inline

Meets requirements of ANSI 92.20-2020 and CSA B354.6-2019.

*Working Height adds 6 feet (2 m) to platform height.

**Weight may increase with certain options.

†Sheet material weight is part of the total platform capacity. This may limit capacity to one occupant.

Specifications - 4046SE & 4555SE

		4046SE		4555SE	
Working Height*	Indoor	44.7 ft	13.6 m	51 ft	15.7 m
	Outdoor	36 ft	11 m	41 ft	12.5 m
Platform Height	Indoor	38.7 ft	11.8 m	45 ft	13.7 m
	Outdoor	30 ft	9.2 m	35 ft	10.7 m
Maximum Drive Height		38.7 ft	11.8 m	45 ft	13.7 m
Stowed Height	Top Guardrail	102 in	2.6 m	102 in	2.6 m
	Rails Folded	79 in	2.0 m	79 in	2.0 m
	Platform Floor	58 in	1.48 m	58 in	1.48 m
Guardrail Height		43.5 in	1.11 m	43.5 in	1.11 m
Toeboard Height		6 in	15 cm	6 in	15 cm
Machine Weight** (Unloaded)		7,000 lb	3,180 kg	7,600 lb	3,450 kg
Maximum Lift Capacity		550 lb	250 kg	500 lb	227 kg
Deck Extension Capacity		1 Person / 250 lb (113 kg)		1 Person / 250 lb (113 kg)	
Maximum Occupants	Indoor	2 Persons		2 Persons	
	Outdoor	1 Person		1 Person	
Manual Force	Indoor	90 lbs	400 N	90 lbs	400 N
	Outdoor	45 lbs	200 N	45 lbs	200 N
Length-Stowed (Overall)		98 in	2.5 m	112 in	2.85 m
Length-Stowed (Ladder Removed)		89.5 in	2.27 m	104 in	2.65 m
Platform Length (Extended)		124.5 in	3.16 m	139 in	3.53 m
Platform Length (Retracted)		89.5 in	2.27 m	104 in	2.65 m
Width (Overall)		47 in	1.2 cm	55 in	1.4 cm
Platform Width (Outside)		44 in	1.12 cm	44 in	1.12 cm
Wheel Base		74 in	1.87 m	87 in	2.22 m
Turning Radius - Inside		0 in	0 cm	0 in	0 cm
Ground Clearance - Stowed		4 in	10 cm	4 in	10 cm
Ground Clearance - Elevated		0.7 in	2 cm	0.7 in	2 cm
Drive Speed (Proportional)	Stowed	0-2.5 mph	0-4 km/h	0-2.5 mph	0-4 km/h
	Raised Or Extended	0-0.5 mph	0-0.8 km/h	0-0.5 mph	0-0.8 km/h
Gradability		25%/14°		25%/14°	
Maximum Side Slope - Stowed		5°		5°	
Tilt Sensor Settings		2° side-to-side, 3° fore-and-aft		2° side-to-side, 3° fore-and-aft	
Ground Pressure/Wheel		167 psi	11.7 kg/cm ²	256 psi	18 kg/cm ²
Maximum Wheel Load		2,250 lb	1,020 kg	2,400 lb	1,090 kg
Occupied Floor Pressure		255 psf	1,240 kg/m ²	194 psf	947 kg/m ²
Maximum Operating Wind Speed		28 mph, 12.5 m/sec (45 km/h)		28 mph, 12.5 m/sec (45 km/h)	
Tire Size		15 x 5 inch/381 x 127 mm		15 x 5 inch/381 x 127 mm	
Wheel Bolt Torque		19 ft-lb / 25.5 Nm		19 ft-lb / 25.5 Nm	
Hydraulic Pressure		3,000 psi/ 207 bar		3,000 psi/ 207 bar	
Power System Voltage		24 Volt DC / 300Ah		24 Volt DC / 300Ah	
Battery Charger	Input	110-230 V AC, 50-60 Hz		110-230 V AC, 50-60 Hz	
	Output	24 Volt DC		24 Volt DC	
Batteries		Four 12-Volt deep cycle, 300 Ah		Four 12-Volt deep cycle, 300 Ah	
Chassis Inclination		1.5 Side	3.0 Inline	1.5 Side	3.0 Inline
Meets requirements of ANSI 92.20-2020 and CSA B354.6-2019.					
*Working Height adds 6 feet (2 m) to platform height.					
**Weight may increase with certain options.					
†Sheet material weight is part of the total platform capacity. This may limit capacity to one occupant.					

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.

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:



Art_2824



Art_2823

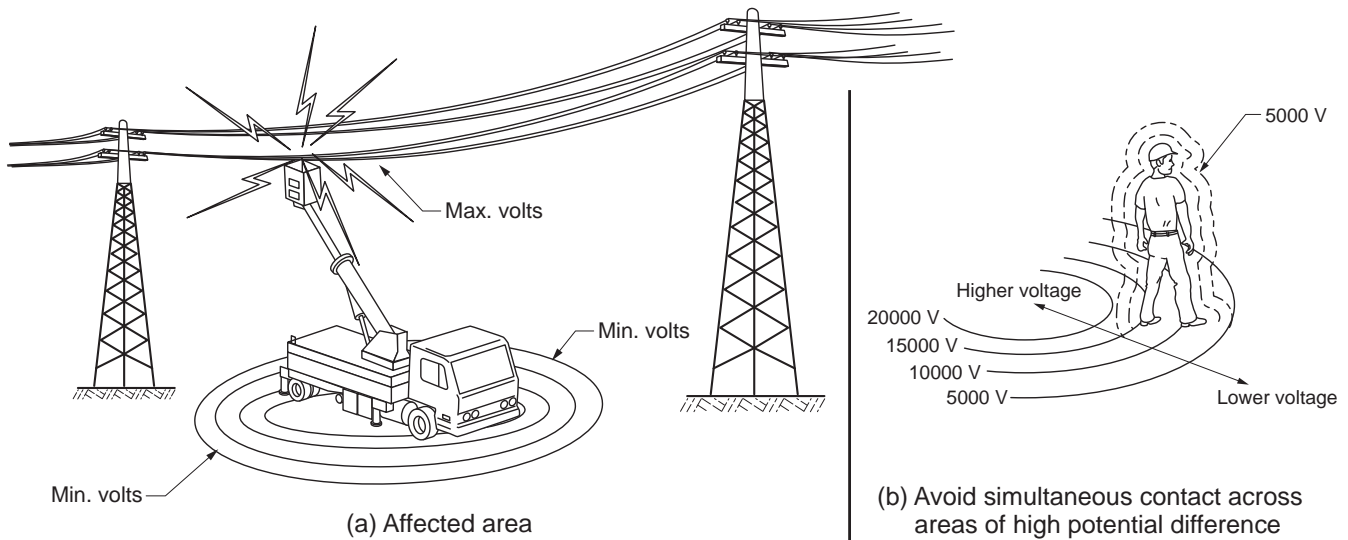
Voltage	Minimum Safe Approach Distance	
	Feet	Meters
Phase to Phase		
0 to 300 Volts	Avoid Contact	
Over 300V to 50kv	10	3.1
Over 50KV to 200KV	15	4.6
Over 200KV to 350KV	20	6.1
Over 350KV to 500KV	25	7.6
Over 500KV to 750KV	35	10.7
Over 750KV to 1000KV	45	13.7

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

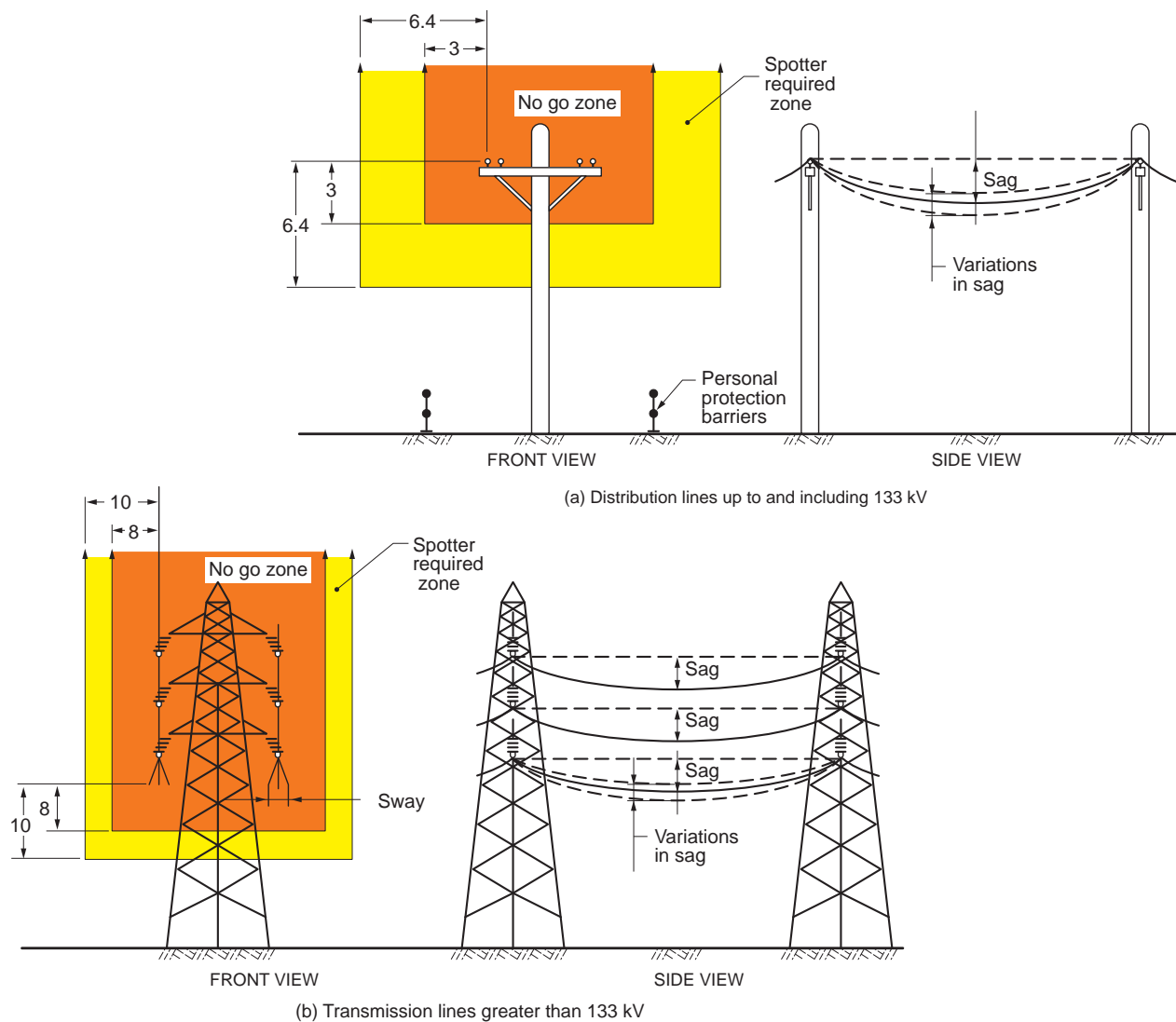
Keep away from the machine if it contacts energized power lines. Personnel on the ground or in the platform must not touch or operate the machine until energized power lines are shut off.

Do not use the machine as a ground for welding.

Minimum Safe Approach Distance



CLEARANCES FROM LIVE AERIAL CONDUCTORS



LEGEND

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

ART_3265

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

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

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.

DO NOT elevate the platform unless the machine is on a firm, level surface.

DO NOT depend on the tilt alarm as a level indicator. STOP if the tilt alarm sounds and the red light illuminates when the platform is raised. Use extreme caution to lower the platform. Move the machine to a firm, level surface.

Driving: DO NOT drive the machine on a slope that exceeds the maximum uphill, downhill or side 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 drive the machine faster than .5 mph/.8 km/h while elevated

DO NOT push off or pull toward any object outside the platform. DO NOT push the machine or other objects with the platform. DO NOT contact adjacent structures with the platform.

DO NOT tie the platform to adjacent structures.



Art_2834

Maximum Allowable Side Force
50 lbs (222 N) per person



Art_2833

DO NOT use the platform controls to free a platform that is caught, snagged or otherwise prevented from normal motion by an adjacent structure.

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 place loads outside the platform perimeter.

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.

DO NOT operate the machine with the chassis trays open.

DO NOT alter or disable the limit switches or machine components that in any way affect safety and stability.

DO NOT replace items critical to machine stability with items of different weight or specification. DO NOT modify or alter this machine without prior written permission from the manufacturer.

DO NOT use batteries that weigh less than the original equipment. Each battery must weigh 82 lbs/37 kg. The batteries must weigh a minimum of 328 lbs/148 kg.



Art_2831



Art_2832

Fall & Collision Hazards

Fall Hazards



Art_2826

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.



Art_2825

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

Ensure that the guard rails are properly installed and in good condition before operating the machine.

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

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.

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

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



Art_2829

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

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.



Art_2827

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

Keep hands and limbs out of scissors.

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

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

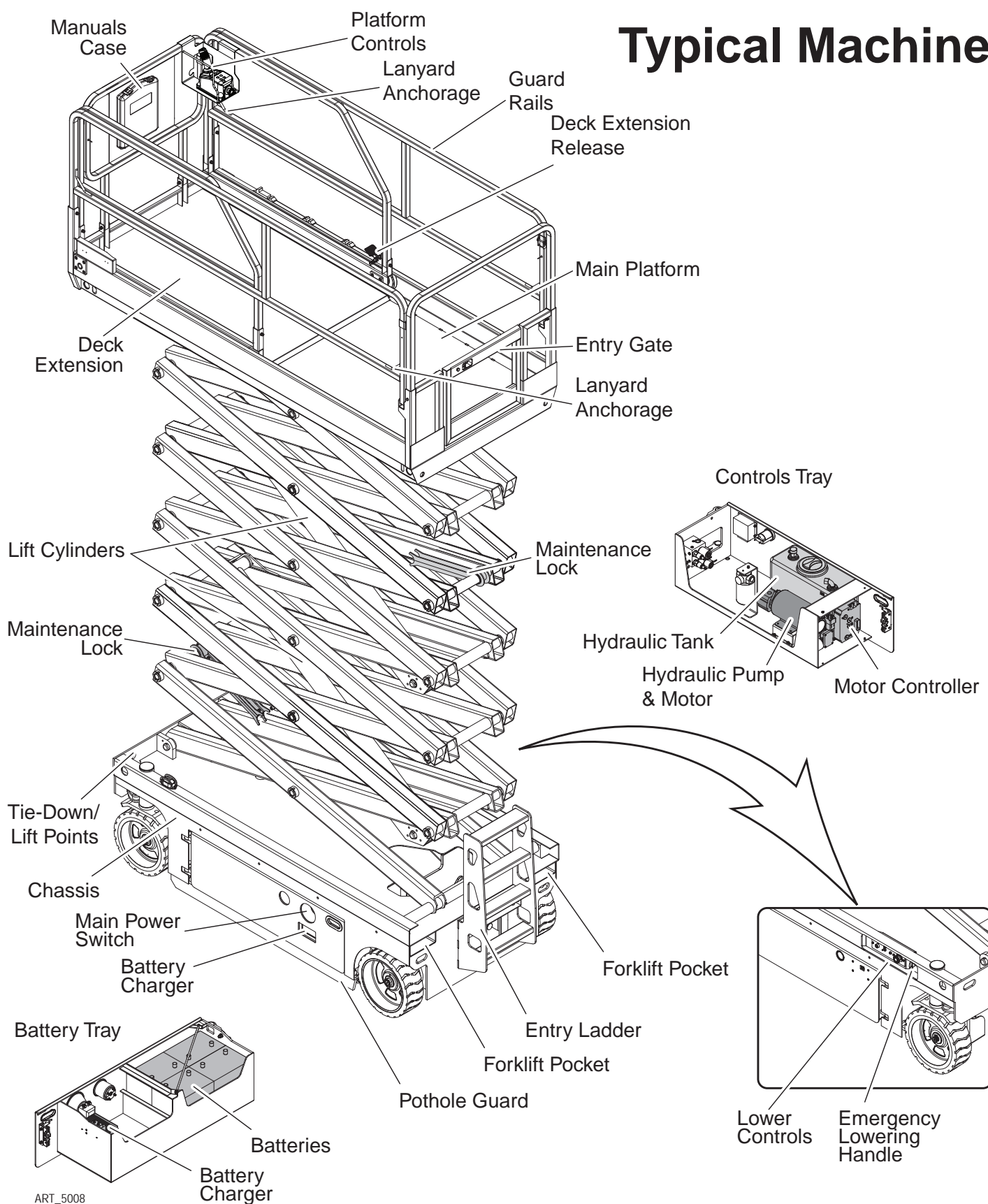
- Keep sparks, flame and lighted tobacco away from batteries. Batteries emit explosive gas. The battery tray should remain open during the entire charging cycle.

Electrocution Hazard

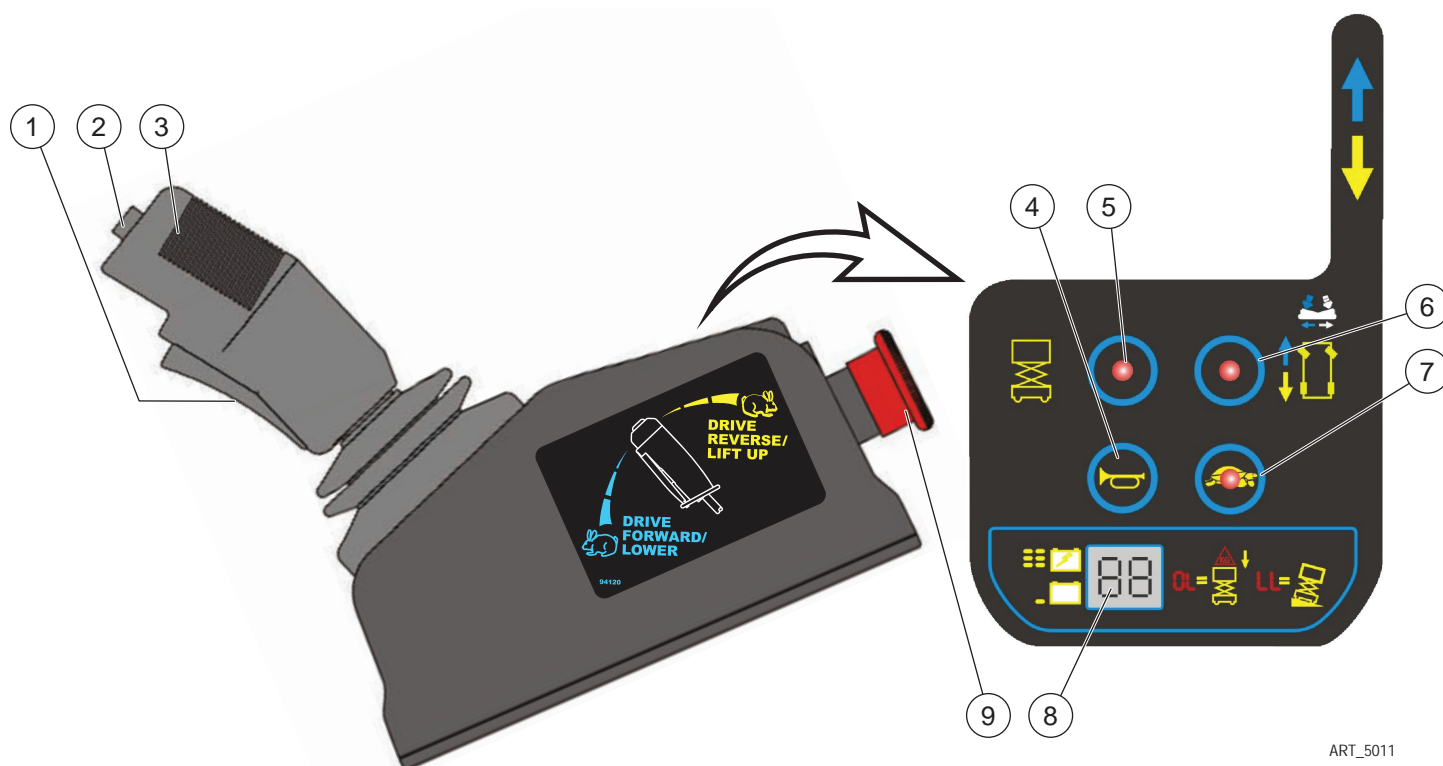
- Avoid contact with electrical terminals.

Component Locations

Typical Machine



Platform Controls



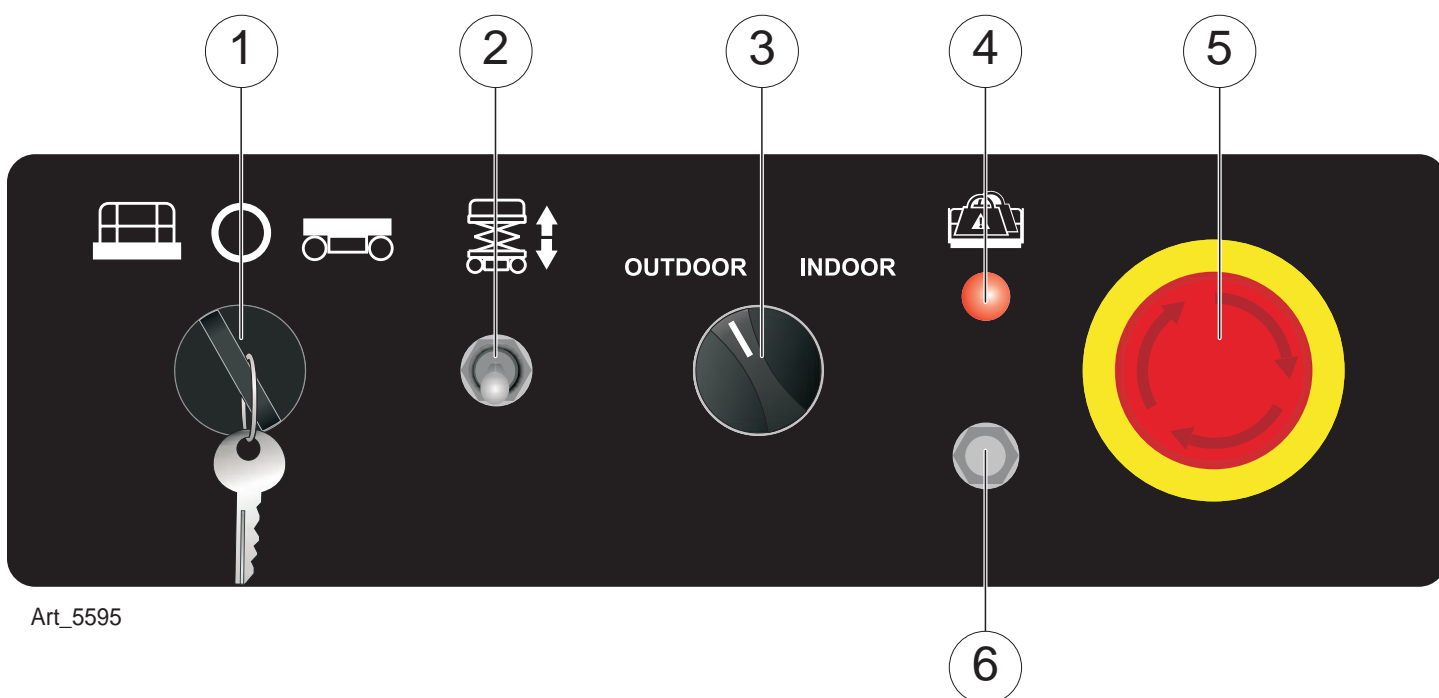
ART_5011



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

Control		Description	
1	Function Enable Switch	Squeeze to enable DRIVE, STEER, and LIFT functions from the Control Handle.	
2	Steer Switch	Using your thumb, press and hold the rocker switch to steer Left or Right.	
3	Control Handle	Drive	Proportionally controls Forward and Reverse travel.
		Lift	Proportionally controls Lift and Lower functions.
4	Horn Button	Press to sound warning horn.	
5	Lift Select	Press this button to enable the Lift function.	
6	Drive Select	Press this button to enable the Drive function.	
7	Drive Speed Select	Light ON indicates Low Speed Drive is selected. Light OFF indicates High Speed Drive is selected.	
8	LED Display	Indicates the state of battery charge and displays diagnostic codes when necessary.	
9	Emergency Stop Switch	Press the EMERGENCY STOP switch at any time to stop all machine functions. Turn switch clockwise to reset.	

Lower Controls



Art_5595



WARNING

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

Control		Description	
1	Key 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	Platform Lift/Lower Switch	With the Key Switch in the BASE position, move this switch up to lift the platform or down to lower the platform.	
3	Outdoor/Indoor Switch	OUTDOORS	Select to limit the maximum height when outdoors.
		INDOORS	Select to allow unrestricted height when indoors.
4	Platform Overload	Indicates too much weight on the platform. Remove weight from the platform to restore function and continue.	
5	Emergency Stop Switch	Press the EMERGENCY STOP switch at any time to stop all machine functions. Turn switch clockwise to reset.	
6	7-Amp Circuit Breaker	Trips when there is excess electrical load. Push to reset.	

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

Functions Test

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.



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

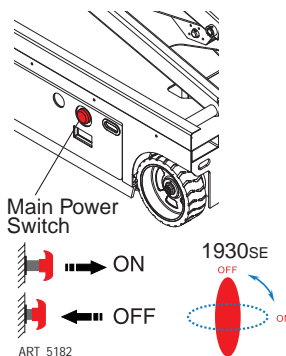
Prestart



Perform Prestart Inspection (see page 34).

Check Emergency Stop Switches at both the base and platform controls – turn clockwise or pull to reset.

ART_3353



Check Main Power Switch. Must be in ON position.

Functions Test

1. Select a test area that is firm, level and free of obstruction.
2. Be sure the battery pack is connected.
3. Turn the main power switch to ON (pulled out) position.

At the Ground Controls

4. Pull or turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
5. Turn the Key Switch to ground control.
6. Observe the diagnostic LED readout on the ECU window located at the Platform Controls.
 - **Result:** The LED should look similar to the picture below.



ART_5015

Test Emergency Stop

7. Push in the ground red Emergency Stop button to the off position.
 - **Result:** No functions should operate.
8. Turn the red Emergency Stop button clockwise to the on position.

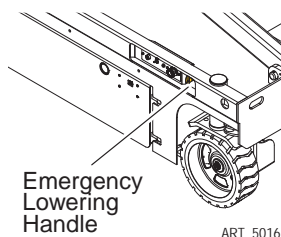
Test Up/Down Functions



Check the area above and around the machine for obstructions and electrical power lines before operating the machine.

A buzzer with different sound frequency is controlled by the central system. The descent alarm sounds at 60 beeps per minute. The alarm that goes off when the machine is not level or if the pothole guards have not deployed sounds at 150 beeps per minute.

9. At the Lower Controls station, turn the Key Switch to off or platform position.
10. At the Lower Controls station, push up and hold the platform up / down switch.
 - **Result:** No function should operate.
11. Turn the Key Switch to ground control position.
12. At the Lower Controls station, push up and hold the Platform Up switch.
 - **Result:** The platform should raise.
13. Push down and hold the Platform Down switch.
 - **Result:** The platform should lower to end. The descent alarm should sound while the platform is lowering.



14. Activate the up function and raise the platform approximately 2 ft / 60 cm.
15. Pull the Emergency Lowering Handle.
 - **Result:** The platform should lower. The descent alarm will not sound.

At the Platform Controls

16. Turn the Key Switch to platform control.

Test Emergency Stop

17. Push in the platform red Emergency Stop button to the off position.
 - **Result:** No functions should operate.
18. Pull or turn the red Emergency Stop button clockwise to the on position.
 - **Result:** The LED indicator light should come on.

Test the Horn

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

Test Function Enable and Up/Down Functions



Check the area above and around the machine for obstructions and electrical power lines before operating the machine.

20. Press the lift function select button.
21. Do not hold the Function Enable Switch on the control handle.
22. Slowly move the control handle forward/downward, then rearward/upward.
 - **Result:** No functions should operate.
23. Press and hold the Function Enable Switch on the control handle.
24. Slowly pull the control handle rearward/upward.
 - **Result:** The platform should raise. The pothole guards should deploy.
25. Release the control handle.
 - **Result:** The platform should stop raising.
26. Press and hold the Function Enable Switch. Slowly push the control handle forward/downward.
 - **Result:** The platform should lower. The descent alarm should sound while the platform is lowering.

Test the Steering

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

27. Press the drive function select button.
28. Press and hold the Function Enable Switch on the control handle.
29. Depress the thumb rocker switch on top of the control handle in the direction identified by the blue left arrow on the control panel.
 - **Result:** The steer wheels should turn in the direction that the blue left arrow points on the control panel.
30. Depress the thumb rocker switch in the direction identified by the white right arrow on the control panel.
 - **Result:** The steer wheels should turn in the direction that the white right arrow points on the control panel.

Test Drive and Braking

31. Press and hold the Function Enable Switch on the control handle.
32. Slowly move the control handle forward/downward until the machine begins to move, then return the handle to the center position.
 - **Result:** The machine should move forward, in the direction of the steering wheels, then come to an abrupt stop.
33. Press and hold the Function Enable Switch on the control handle.
34. Slowly move the control handle rearward/upward until the machine begins to move, then return the handle to the center position.
 - **Result:** The machine should move rearward, in the direction of the platform entry, then come to an abrupt stop.

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

Test Limited Drive Speed

35. Press the lift function select button.
36. Press the Function Enable Switch. Raise the platform approximately 6.6 ft / 2 m from the ground.
 - **Result:** The pothole guards should deploy.
37. Press the drive function select switch.
38. Press and hold the Function Enable Switch on the control handle.
39. Slowly move the control handle to the full drive position.
 - **Result:** The maximum achievable drive speed with the platform raised should not exceed 0.72 ft per second / 22 cm/s.
 - If the drive speed with the platform raised exceeds 0.72 ft per second / 22 cm/s, immediately tag and remove the machine from service.

Operating Instructions



Check the area above and around the machine for obstructions and electrical power lines before operating the machine.



ART_3353

Emergency Stop

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

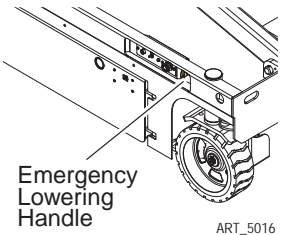
If any function operates when either red Emergency Stop button is pushed in, repair the Emergency Stop function before using the machine.

Emergency Lowering



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.

Pull the Emergency Lowering Handle to lower the platform.

Outdoor/Indoor Switch

Select working environment before using machine.

- Turn the switch to outdoors to restrict platform height when working outdoors.
- Turn the switch to indoors to allow unrestricted platform height when working indoors.

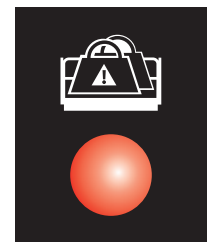


Art_5587

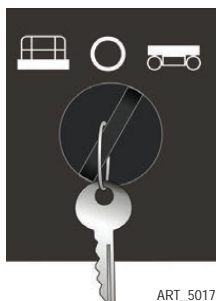
Platform Overload

Indicates too much weight on the platform.

Remove weight from the platform to restore function and continue.



ART_5662



ART_5017

Operation from Ground

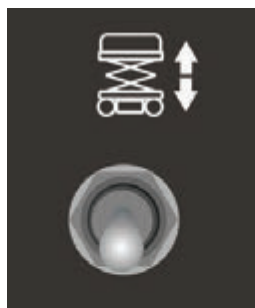
Drive and steer functions are not available from the ground controls.

1. Turn the Key Switch to ground control.
2. Pull or turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
3. Be sure the battery pack is connected before operating the machine.



WARNING

Check the area above and around the machine for obstructions and electrical power lines before operating the machine.



ART_5018

To Position Platform

Move the up/down toggle switch according to the markings on the control panel.



ART_5019

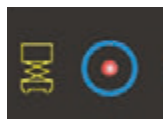
Operation from Platform

1. Turn the Key Switch to platform control.
2. Pull or turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
3. Be sure the battery pack is connected before operating the machine.

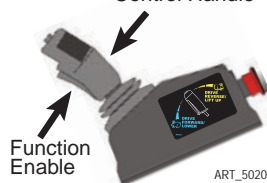


WARNING

Check the area above and around the machine for obstructions and electrical power lines before operating the machine.



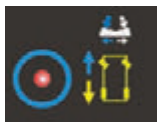
Control Handle



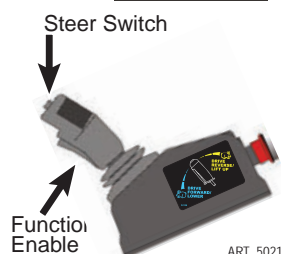
ART_5020

To Position Platform

1. Press the lift function select button.
2. Press and hold the Function Enable Switch on the control handle.
3. Pull the control handle upward to raise the platform.
4. Push the control handle downward to lower the platform.

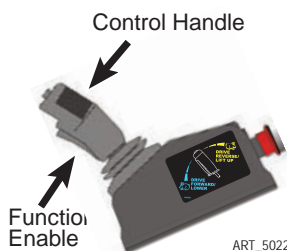


To Steer



1. Press the drive function select button.
2. Press and hold the Function Enable Switch on the control handle.
3. Turn the steer wheels with the thumb rocker switch located on the top of the control handle.

To Drive

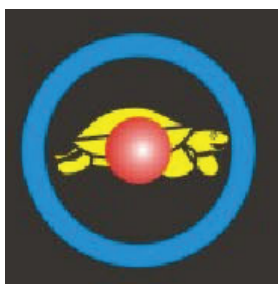


1. Press the drive function select button.
2. Press and hold the Function Enable Switch on the control handle.
 - Increase speed: Slowly move the control handle off center.
 - Push the control handle forward to move forward. Pull the control handle rearward to move rearward.
 - Decrease speed: Slowly move the control handle toward center.
 - Stop: Return the control handle to center or release the Function Enable Switch.

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

Machine travel speed is restricted when the platform is raised.

Battery condition will affect machine performance. Machine drive speed and function speed will drop when the battery level indicator is flashing.



ART_5023

To Reduce Drive Speed

The drive controls can operate in two different drive speed modes.

When the drive speed button light is on, slow drive speed mode is active.

When the button light is off, fast drive speed mode is active.

Press the drive speed button to select the desired drive speed.

Driving On A Slope

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

- Maximum forward/rearward slope rating, stowed position 25%.
- Maximum side slope rating, stowed position 5°.

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

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

To determine the slope grade

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

You will need:

- Carpenter's level
- Straight piece of wood, at least 3.3 ft / 1 m long
- Tape measure

Lay the piece of wood on the slope.

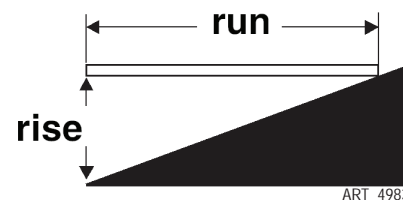
At the downhill end, lay the level on the top edge of the piece of wood and lift the end until the piece of wood is level.

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

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

Example:

- Run = 12 ft / 3.6 m
- Rise = 12 in / 0.3 m
- $12 \text{ in} \div 12 \text{ ft} = 0.083 \times 100 = 8.3\%$
- $0.3 \text{ m} \div 3.6 \text{ m} = 0.083 \times 100 = 8.3\%$



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

Operation from Ground with Controller



Use extreme caution when operating the machine with the controller from the ground.

Maintain safe distances between operator, machine and fixed objects.

Be aware of the direction the machine will travel when using the controller.

Battery Level Indicator

Use the LED diagnostic readout to determine the battery level.



Maintenance Lock

DEATH OR SERIOUS INJURY HAZARD!

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



On machines equipped with two Maintenance Locks, both must be set to safely work on or inspect the machine.

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

1930SE, 2632SE and 3346SE Machines:

On the 1930SE, the Maintenance Lock is located at the rear of the scissor stack. On the 2632SE and 3346SE, the Maintenance Lock is located at the front of the scissor stack.

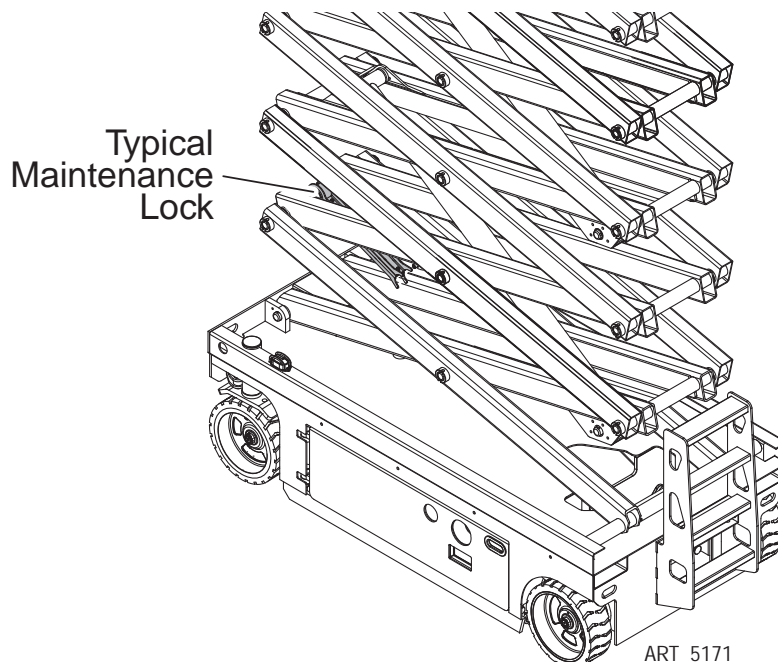
1. Raise the platform approximately just high enough to rotate the Maintenance Lock into place.
2. Lift the Maintenance Lock, move it to the center of the scissor arm, then rotate it up to a vertical position.



The Maintenance Lock must engage the scissor section above it.

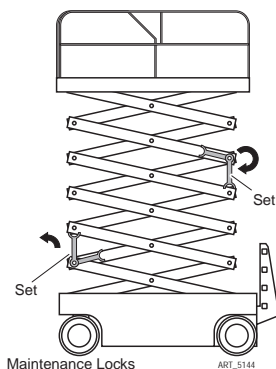
DO NOT set it so that it hangs down.

Lower the platform until the Maintenance Lock rests securely on the link. Keep clear of the Maintenance Lock when lowering the platform.



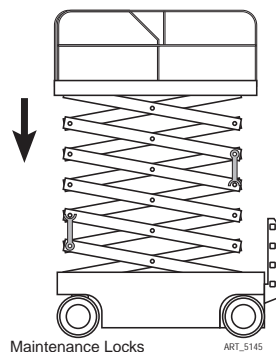
ART_5171

4046SE and 4555SE Machines: Setting The Maintenance Lock

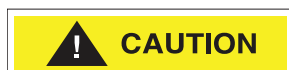


There are two Maintenance Locks on these machines. Both must be set whenever work or inspection is being performed on the machine.

1. Raise the platform approximately 13 ft/ 4m, just high enough to rotate the Maintenance Locks into place.
2. Lift the ladder-end Maintenance Lock, move it to the center of the scissor arm, then rotate it down to a vertical position. Use the machine entry ladder to reach the rear Maintenance Lock.
3. Lift the front-end Maintenance Lock, move it to the center of the scissor arm, then rotate it up to a vertical position.



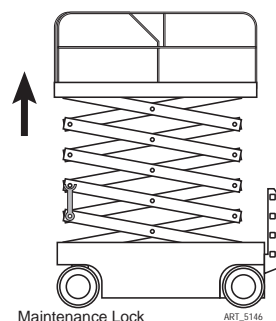
The Front End Maintenance Lock must engage the scissor section above it.



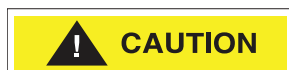
DO NOT set it so that it hangs down.

1. Lower the platform until the Maintenance Locks rest lightly on the scissor link cross tubes. Keep clear of the Maintenance Locks when lowering the platform.

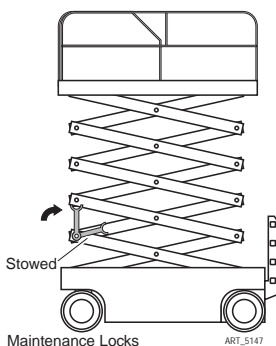
Stowing The Maintenance Locks



BOTH Maintenance Locks must be stowed before lowering the platform.



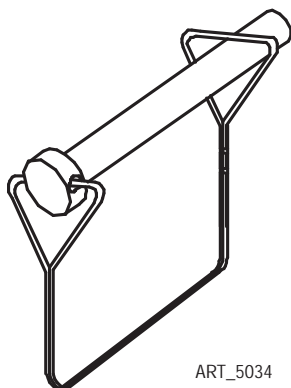
DO NOT attempt to lower the platform with one maintenance lock in place.



1. Raise the platform approximately 1 ft / 0.3 m higher so that the Maintenance Locks clear the scissor link cross tubes.
2. Slide the ladder-end Maintenance Lock to the side and rotate it stowed position. Use the machine entry ladder to reach the rear Maintenance Lock.
3. Slide the front-end Maintenance Lock to the side and rotate it stowed position.
4. Lower the platform.

Keep clear of the scissor linkage when lowering.

If a Maintenance Lock requires adjustment to stow it correctly, stop the lowering function. Adjust the maintenance lock while stationary, then return to the lowering function.



How to Fold Down the Guardrails

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

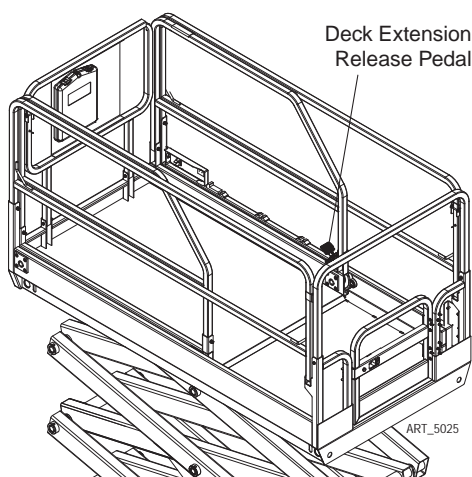
Each spring pin is secured to a guardrail with a cable lanyard to prevent loss. If the lanyard is broken or not present, replace the spring pin in the hole it came out of to prevent loss.

1. Fully lower the platform and retract the platform extension.
2. Remove the platform controls.
3. From inside the platform, remove the two spring pins from the front of the deck extension.
4. Fold down the front rail of the deck extension. Keep hands clear of pinch points.
5. Fold down the right rail of the deck extension. Keep hands clear of pinch points.
6. Fold down the left rail of the deck extension. Keep hands clear of pinch points.
7. Carefully open the gate and move to the rear step.
8. From the rear step, remove the right rear spring pin from the main deck guardrails.
9. Fold down the right rail assembly. Keep hands clear of pinch points.
10. Remove the left rear spring pin from the main deck guardrails.
11. Fold down the left rail assembly. Keep hands clear of pinch points.
12. Fold down the rear rail assembly. Keep hands free of pinch points.

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 platform.

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



To Extend and Retract the Deck Extension

1. Press the platform lock pin foot pedal on the extension deck.
2. Push the platform extension guardrail to extend the platform to the desired position.

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



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



Error Indicator Readout

The Error Indicator Readout is located at the Upper Controls station. Consult the Service & Parts Manual for Alarm Code descriptions. Manuals are available free online at www.MECawp.com.

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.

Always put the main power switch in OFF position when leaving the machine at the end of the work day.

Charge the batteries.

Sheet Materials Rack - 1930SE, 2632SE & 3346SE Models Only

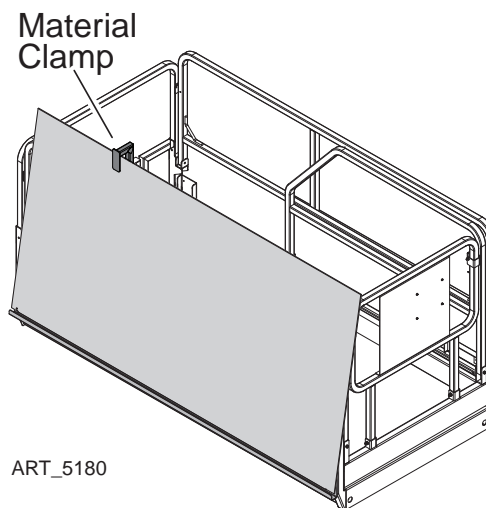
SHEET MATERIAL WEIGHT IS PART OF THE TOTAL PLATFORM CAPACITY. THIS MAY LIMIT CAPACITY TO ONE OCCUPANT.

DO NOT exceed the Sheet Materials Rack capacity listed in the table below.



DO NOT allow any personnel to stand below the machine when the Sheet Materials is in use.

Fasten the material securely with straps or optional material clamps until use.



1930SE, 2632SE and 3346SE models are equipped with a Sheet Materials Rack. Sheet material may be secured outside the platform to this rack up to the capacities listed in the table below. 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.

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

Secure the sheets to the platform with the provided material clamp until ready to use.

Remove the J-shaped arm from the Material Clamp when loading material on the Sheet Material Rack.

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

Model	Sheet Material Rack Capacity
1930SE / 2632SE	110 LB / 50 KG
3346SE	250 LB / 113 KG

Battery Charging

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.

Do not use an external charger or booster battery.

Charge the battery in a well-ventilated area.

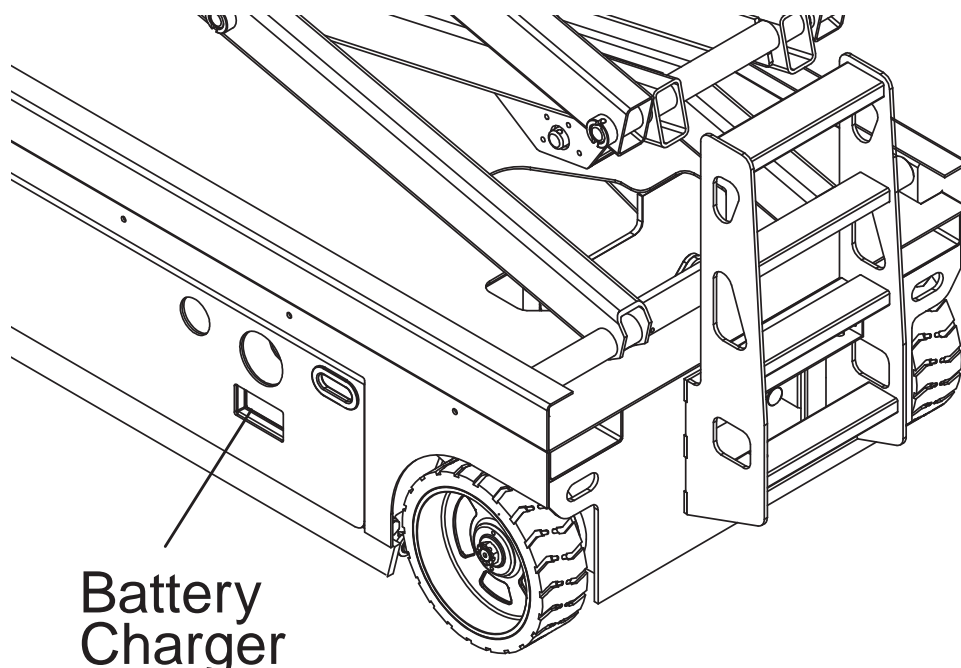


Use proper AC input voltage for charging as indicated on the machine.

Use only MEC authorized batteries and chargers.

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

The charger will indicate the status of the charge cycle.



ART_5026

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. The inspection is designed to discover if anything is apparently wrong with a machine before the operator performs the function tests.

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 24).

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.



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



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

See page 24 for instructions.

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 34.

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.

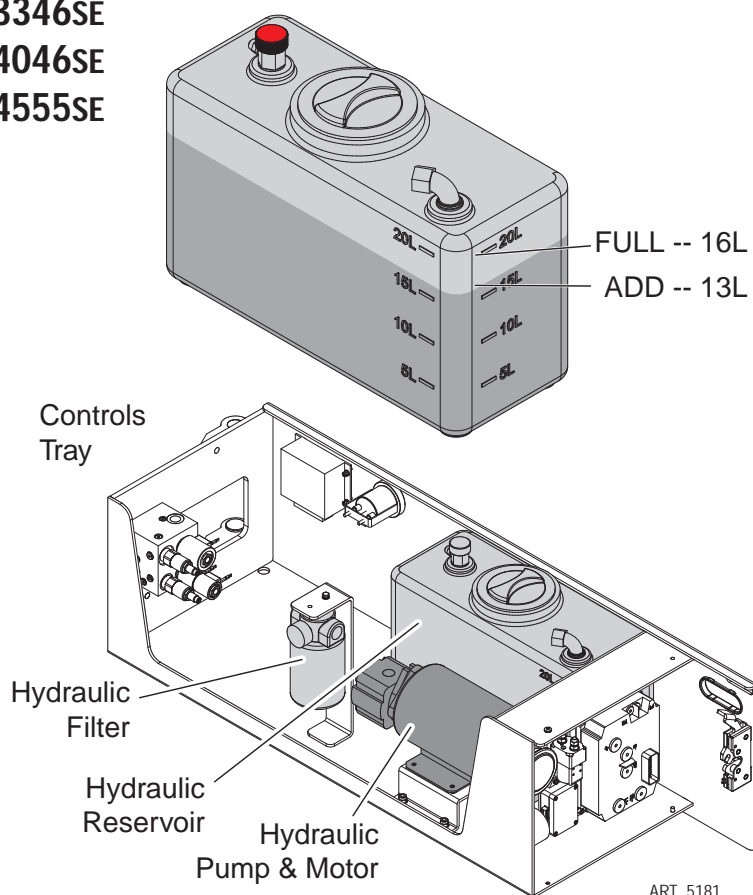
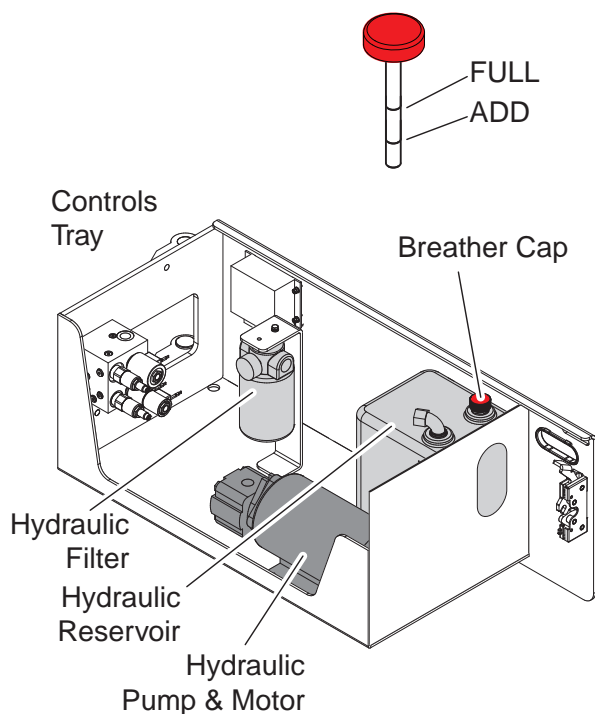
IMPORTANT: In addition to the Frequent Inspection Checklists and Annual Inspection, the **30-Day Service must be performed after the first 30 days or 40 hours of initial service. See the Service & Parts Manual for specific instructions.**

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

Lubrication

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

1930SE | 2632SE
3346SE
4046SE
4555SE



ART_5181

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>Check as shown above with platform in the stowed position. Fill as needed.</p>	<p>Routine Maintenance Check hydraulic oil level every week</p> <p>Scheduled Maintenance Change yearly or every 600 hours, whichever occurs first</p>
2	Hydraulic Cap Breather Filter and Hydraulic Filter	<p>Breather Filter (Located inside Filler Cap)</p> <p>Hydraulic Filter Canister</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>

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
_____	Be sure that the operator's manual are complete, legible and in the storage container located in the platform.
_____	Be sure that all decals are legible and in place. See Decals section.
_____	Check for hydraulic oil leaks.
_____	Check for battery fluid leaks.

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

_____	Electrical components, wiring and electrical cables
_____	Battery connections
_____	Hydraulic hoses, fittings, cylinders and manifolds
_____	Battery pack and connections
_____	Drive motors
_____	Slide blocks/wear pads
_____	Tires and wheels
_____	Ground strap
_____	Limit switches, alarm and beacon
_____	Nuts, bolts and other fasteners
_____	Platform entry gate
_____	Beacons and alarms
_____	Maintenance Lock
_____	Platform extension
_____	Scissor pins and retaining fasteners
_____	Platform control handle
_____	Brake release components
_____	Pothole guards

Check entire machine for:

_____	Cracks in welds or structural components
_____	Dents or damage to machine
_____	Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened
_____	Be sure that guard rails are properly installed and secured, and that all pins and bolts are properly fastened.
_____	Be sure that the chassis trays are closed and latched and the batteries are properly connected.



NEVER perform work or inspection on the machine with the platform elevated without first blocking the scissor assembly with the Maintenance Lock. See page 24 for instructions.

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. See the Service & Parts Manual for specific instructions.

Model Number _____ Serial Number _____ Hour Meter Reading _____

Initial	Description
_____	Perform all checks listed on Pre-Start Inspection.
_____	Grease the Steering Yokes
_____	Inspect the condition of hydraulic fluid in the reservoir. Oil should be a clear and amber in color.
_____	Batteries
_____	Electrical wiring
_____	Tires and wheels
_____	Emergency stop
_____	Key switch
_____	Horn (if equipped)
_____	Drive brakes
_____	Drive speed - stowed
_____	Drive speed - raised
_____	Drive speed - slow
_____	Tank venting system
_____	Latch Components
_____	Test Down & Pothole limit switches
_____	Test Up limit switches

Additional maintenance requirements for severe conditions

If the machine is used in very dusty, exceptionally hot or exceptionally cold conditions, replace the Hydraulic Cap Breather Filter and Hydraulic Filter (under normal conditions replace every 6 months or 300 hours, whichever comes first).

Date _____ Inspected By _____

Annual Inspection Report



Aerial Platform Sales Corp

1401 South Madera Avenue, Kerman, California 93630, USA

Tel: 559.842.1500 Toll Free: 1.877.632.5438 Fax: 559.842.1520

Email: info@MECawp.com

Web: www.MECawp.com

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

Date		Customer		Dealer	
Serial Number		Street		Street	
Model Number		City/State/Zip		City/State/Zip	
Date of Last Inspection		Phone Number		Phone Number	
Date Placed in Service		Contact		Contact	

- Check each item listed below.
- Use proper Operator's and, Service & 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.

	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:					Axle/Wheel Assemblies:					Emergency Down:				
All Rail Fasteners Secure					Wheel Mounting Secure					Operational				
Entry Gate Closes Properly					Steering Cylinder Pins Secure					Slow Speed Limit Switch:				
Manual/Safety Data In Box					Pivot Points Lubed					Set Properly				
Extending Platform:					Check/Lube Steering Yokes					Pothole Bars:				
Slides Freely					Component Area:					Operate Smoothly				
Latches In Stowed Position					Valve Manifold(s) Secure					Lock In Place				
Latches In Extended Position					Hoses Tight/No Leaks					Limit Switches Adjusted				
Cable Secure					D/C Mtr(s) Secure/Operational					Pressures & Hydraulics:				
Platform:					Contactors Secure					Oil Level Correct/Chg				
Platform Bolts Tight					Pump Secure					Steering Pressure Set				
Platform Structure					Batteries:					Lift Pressure Set				
Wire Harnesses:					Secure					Replace Breather Cap				
Mounted Correctly					Fully Charged					Replace Hydraulic Filter				
Physical Appearance					Battery Charger:					Inspect Hydraulic Oil; Replace If Needed				
110/220V Outlet Safe/Working					Secure									
Elevating Assembly:					Operational									
Beam Structures					Emergency Stop:									
Welds					Breaks All Circuits									
Retaining Rings					Maintenance Lock:									
Cylinder Pins Secure					Secure									
Scissor Slide Blocks*					Operational									

*See Service & Parts Manual for instructions

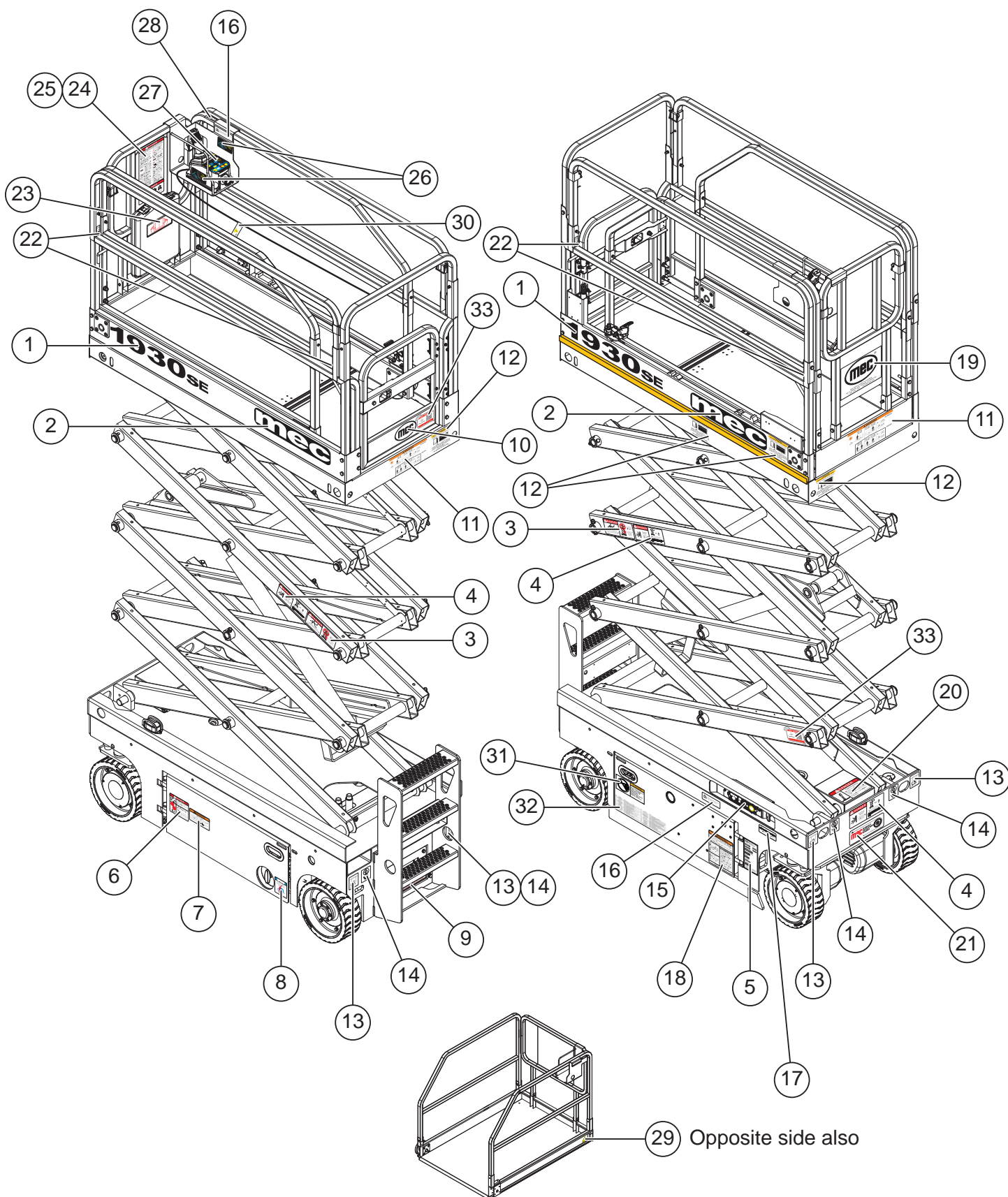
Comments: _____
















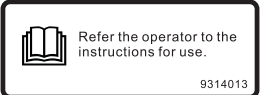

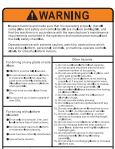







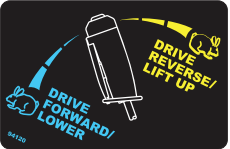







Signature/Owner-User: _____ Date: _____

Signature/Mechanic: _____ Date: _____

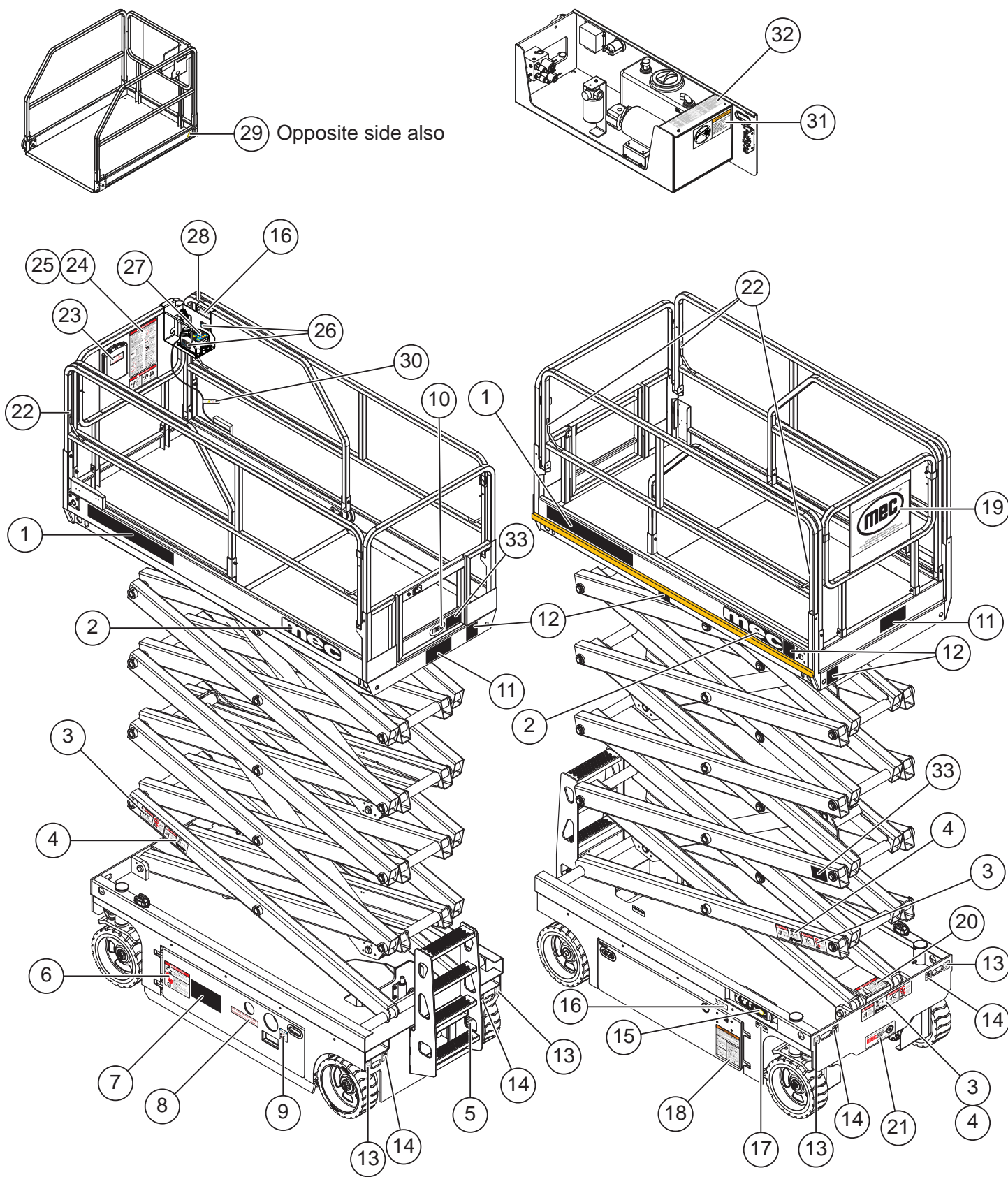










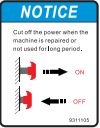


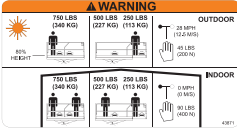





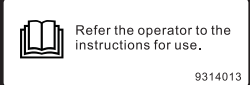



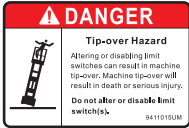

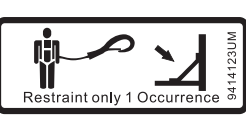
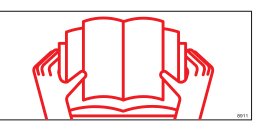











Decals - 1930SE



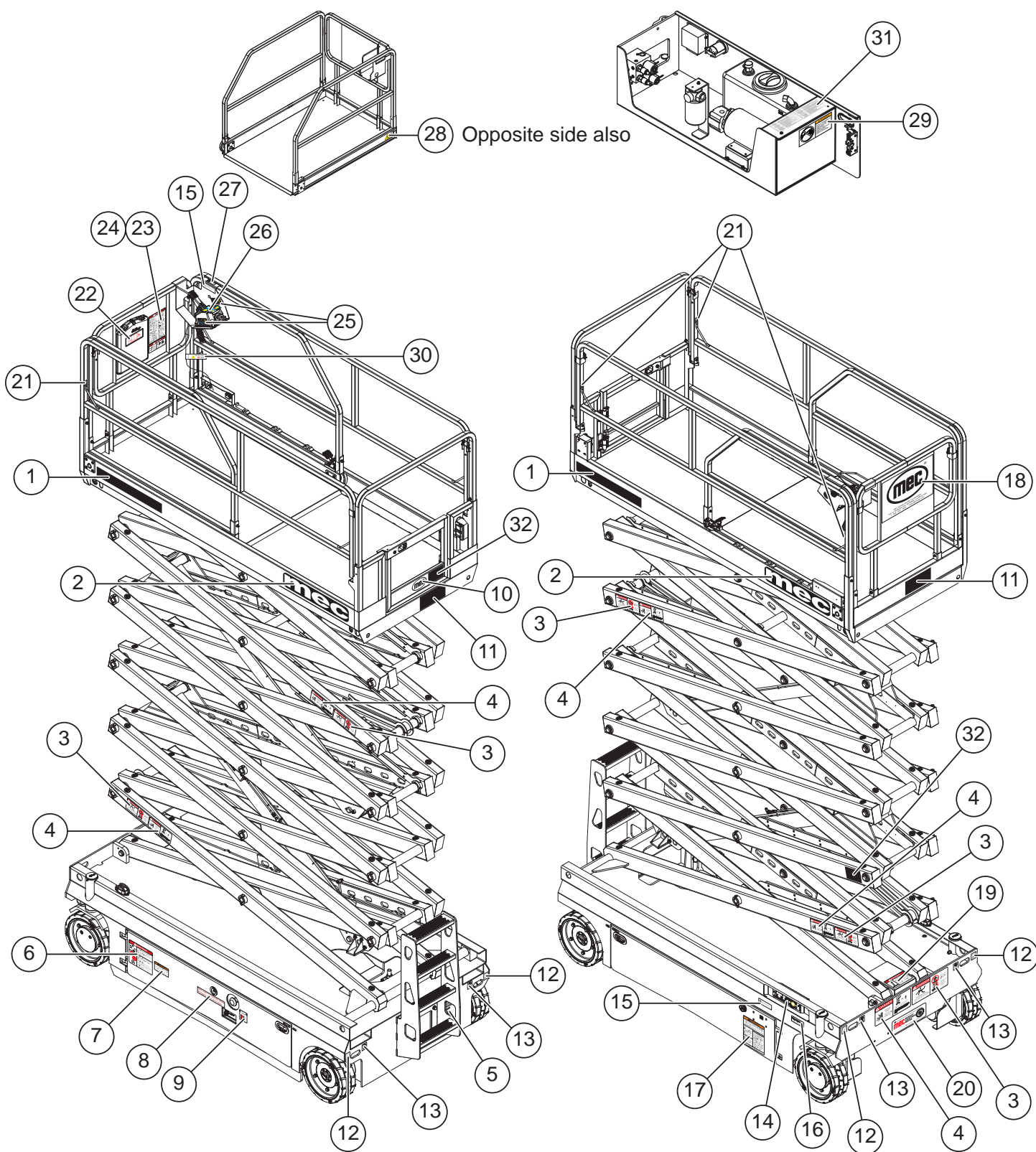
<p>1</p>  <p>94255 Qty. - 2</p>	<p>2</p>  <p>94114 Qty. - 2</p>	<p>3</p>  <p>41748 Qty. - 2</p>	<p>4</p>  <p>41646 Qty. - 3</p>	<p>5</p>  <p>94113 Qty. - 1</p>
<p>6</p>  <p>41641 Qty. - 1</p>	<p>7</p>  <p>41905 Qty. - 1</p>	<p>8</p>  <p>41666 Qty. - 1</p>	<p>9</p>  <p>94659 Qty. - 1</p>	<p>10</p>  <p>94115 Qty. - 1</p>
<p>11</p>  <p>43869 Qty. - 2</p>	<p>12</p>  <p>95225 Qty. - 4</p>	<p>13</p>  <p>41635 Qty. - 4</p>	<p>14</p>  <p>41634 Qty. - 4</p>	<p>15</p>  <p>41667 Qty. - 1</p>
<p>16</p>  <p>41639 Qty. - 2</p>	<p>17</p>  <p>41636 Qty. - 1</p>	<p>18</p>  <p>41649 Qty. - 1</p>	<p>19</p>  <p>90719 Qty. - 1</p>	<p>20</p>  <p>41642 Qty. - 1</p>
<p>21</p>  <p>94423 Qty. - 1</p>	<p>22</p>  <p>41648 Qty. - 4</p>	<p>23</p>  <p>8911 Qty. - 1</p>	<p>24</p>  <p>41652 Qty. - 1</p>	<p>25</p>  <p>41647 Qty. - 1</p>
<p>26</p>  <p>94120 Qty. - 2</p>	<p>27</p>  <p>41632 Qty. - 1</p>	<p>28</p>  <p>41640 Qty. - 1</p>	<p>29</p>  <p>91850 Qty. - 2</p>	<p>30</p>  <p>94778 Qty. - 1</p>
<p>31</p>  <p>90732 Qty. - 1</p>	<p>32</p>  <p>43879 Qty. - 1</p>	<p>33</p>  <p>95256 Qty. - 2</p>		

Decals - 2633SE & 3346SE



1 2632SE ONLY 2632_{SE} 94256 Qty. - 2	2346SE ONLY 3346_{SE} 94257 Qty. - 2	2  94114 Qty. - 2	3  41748 Qty. - 3	4  41646 Qty. - 3
5  95215 Qty. - 1	6  41641 Qty. - 1	7 2632SE ONLY  42293 Qty. - 1	3346SE ONLY  41583 Qty. - 1	8  94659 Qty. - 1
9  41637 Qty. - 1	10  95301 Qty. - 1	11 2632SE ONLY  43869 Qty. - 2	3346SE ONLY  43871 Qty. - 2	12 2632SE ONLY  95225 Qty. - 4
12 3346SE ONLY  95226 Qty. - 4	13  41635 Qty. - 4	14  41634 Qty. - 4	15  95364 Qty. - 1	16  41639 Qty. - 2
17  41636 Qty. - 1	18  41649 Qty. - 1	19  90719 Qty. - 1	20  41642 Qty. - 1	21  94423 Qty. - 1
22  41648 Qty. - 4	23  8911 Qty. - 1	24  41652 Qty. - 1	25  41647 Qty. - 1	26  94120 Qty. - 2
27  41632 Qty. - 1	28  41640 Qty. - 1	29  91850 Qty. - 2	30  90732 Qty. - 1	31  94778 Qty. - 1
32  43879 Qty. - 1	33 2632SE ONLY  95257 Qty. - 2	3346SE ONLY  95258 Qty. - 2		

Decals - 4046SE & 4555SE

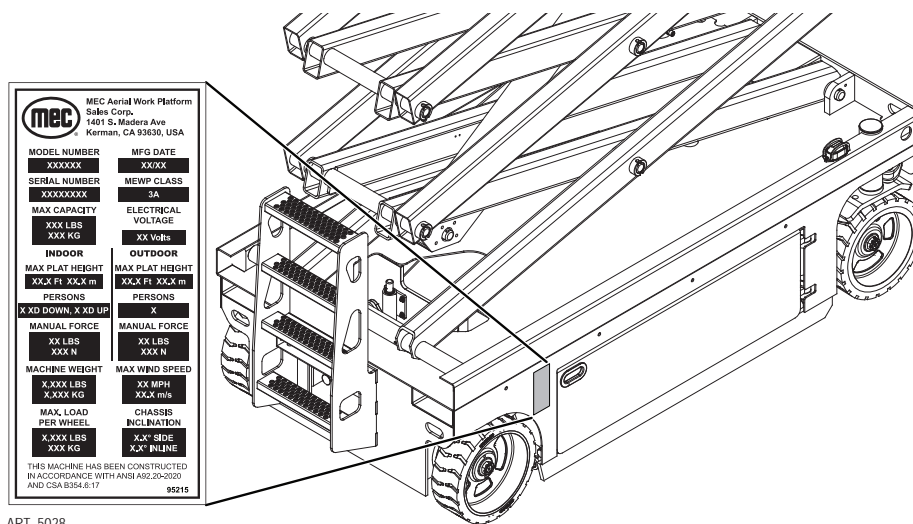


<p>1</p> <p>4046SE ONLY</p> <p>4046SE</p> <p>94258 Qty. - 2</p>	<p>4555SE ONLY</p> <p>4555SE</p> <p>94117 Qty. - 2</p>	<p>2</p> <p>mec</p> <p>94114 Qty. - 2</p>	<p>3</p> <p>DANGER</p> <p>Crushing Hazard</p> <p>Death or serious injury can result from contact with moving scissor arms.</p> <p>941301UM</p> <p>41748 Qty. - 5</p>	<p>4</p> <p>DANGER</p> <p>Crushing Hazard</p> <p>Confined with moving parts will result in death or serious injury.</p> <p>941301UM</p> <p>41646 Qty. - 5</p>
<p>5</p> <p>95215 Qty. - 1</p>	<p>6</p> <p>DANGER</p> <p>Explosion/Burn Hazard</p> <p>Ignition of explosive gases or contact between electrical components can cause death, burns or blindness.</p> <p>941301UM</p> <p>41641 Qty. - 1</p>	<p>7</p> <p>WARNING</p> <p>Tip-over Hazard</p> <p>Do not use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability.</p> <p>Each battery must weigh 82 lbs / 37 kg. The batteries must weigh a minimum of 327 lbs / 146 kg.</p> <p>941104UM</p> <p>41644 Qty. - 1</p>	<p>8</p> <p>BATTERY CHARGER AND POWER TO PLATFORM</p> <p>94659 Qty. - 1</p>	<p>9</p> <p>NOTICE</p> <p>Cut off the power when the machine is repaired or not used for long period.</p> <p>931105</p> <p>41637 Qty. - 1</p>
<p>10</p> <p>mec</p> <p>95301 Qty. - 1</p>	<p>11</p> <p>4046SE ONLY</p> <p>WARNING</p> <p>550 LBS (250 KG) 300 LBS (136 KG) 250 LBS (113 KG) OUTDOOR</p> <p>550 LBS (250 KG) 300 LBS (136 KG) 250 LBS (113 KG) INDOOR</p> <p>43870 Qty. - 2</p>	<p>4555SE ONLY</p> <p>WARNING</p> <p>550 LBS (250 KG) 300 LBS (136 KG) 250 LBS (113 KG) OUTDOOR</p> <p>550 LBS (250 KG) 300 LBS (136 KG) 250 LBS (113 KG) INDOOR</p> <p>43869 Qty. - 2</p>	<p>12</p> <p>9311015</p> <p>41635 Qty. - 4</p>	<p>13</p> <p>9311013</p> <p>41634 Qty. - 4</p>
<p>14</p> <p>95364 Qty. - 1</p>	<p>15</p> <p>Refer the operator to the instructions for use.</p> <p>9314013</p> <p>41639 Qty. - 2</p>	<p>16</p> <p>EMERGENCY LOWER</p> <p>Pull knob to lower platform</p> <p>9311017</p> <p>41636 Qty. - 1</p>	<p>17</p> <p>WARNING</p> <p>941649 Qty. - 1</p>	<p>18</p> <p>mec</p> <p>MEC AERIAL WORK PLATFORMS 1401 S. MADRAVE, KERNAN, CA 93630 USA 1-800-842-1350 www.MECamp.com</p> <p>90719 Qty. - 1</p>
<p>19</p> <p>DANGER</p> <p>Tip-over Hazard</p> <p>Altering or disabling limit switches can result in machine tip-over. Machine tip-over will result in death or serious injury.</p> <p>Do not alter or disable limit switch(s).</p> <p>9411015UM</p> <p>41642 Qty. - 1</p>	<p>20</p> <p>mec DIRECT ELECTRIC DRIVE</p> <p>94423 Qty. - 1</p>	<p>21</p> <p>Restraint only 1 Occurrence</p> <p>9414123UM</p> <p>41648 Qty. - 4</p>	<p>22</p> <p>8911 Qty. - 1</p>	<p>23</p> <p>DANGER</p> <p>41652 Qty. - 1</p>
<p>24</p> <p>DANGER</p> <p>Tip-over Hazard</p> <p>Platform sounds, unit is on reverse. Stop. Death or serious injury could result.</p> <p>9411030</p> <p>41647 Qty. - 1</p>	<p>25</p> <p>DRIVE FORWARD/LOWER</p> <p>DRIVE REVERSE/LIFT UP</p> <p>94120 Qty. - 2</p>	<p>26</p> <p>41632 Qty. - 1</p>	<p>27</p> <p>Platform controller normal position.</p> <p>9314015</p> <p>41640 Qty. - 1</p>	<p>28</p> <p>91850 Qty. - 2</p>
<p>29</p> <p>DO NOT POWERWASH OR SPRAY ELECTRONIC COMPONENTS OR CONNECTORS. MOISTURE MAY CAUSE DAMAGE AND/OR ERRATIC OPERATION</p> <p>90732 Qty. - 1</p>	<p>30</p> <p>Not for use on mec1330</p> <p>94778 Qty. - 1</p>	<p>31</p> <p>43879 Qty. - 1</p>	<p>32 4046SE ONLY</p> <p>MEC - Model Info</p> <p>Text 4046SE to 1 (844) 483-4669</p> <p>95259 Qty. - 2</p>	<p>4555SE ONLY</p> <p>MEC - Model Info</p> <p>Text 4555SE to 1 (844) 483-4669</p> <p>95260 Qty. - 2</p>

Serial Plate

Serial Plate Location

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



ART_5028

Serial Plate Description

MODEL NUMBER: Identifies the machine.

MFG DATE: Month / Year of manufacture.

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

MEWP CLASS MEWP=Mobile Elevating Work Platform

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

ELECTRICAL VOLTAGE: The voltage at which this machine operates.

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

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

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

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

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

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

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

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

MAX. LOAD PER WHEEL: The maximum safe weight applied to each wheel. Calculated with all available options installed. $Fw = 30\% (Wm + Wc + Wopt)$

CHASSIS INCLINATION: The maximum amount of tilt for safe working conditions.

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?
- Key Switch in proper position?
- Both Emergency Stop Switches reset?
- Function Enable Switch not activated?
- Hydraulic fluid level low?
- Obvious fluid leak or damaged component?
- Wires disconnected, broken, or loose?
- Diagnostic panel on?
- Platform Control Box Fault Code present?
 - Contact MEC Technical Support or refer to service manual. Manuals are available free online at www.MECawp.com.

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).

While loading and unloading, the transport vehicle must be parked on a level surface and secured to prevent rolling.



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.

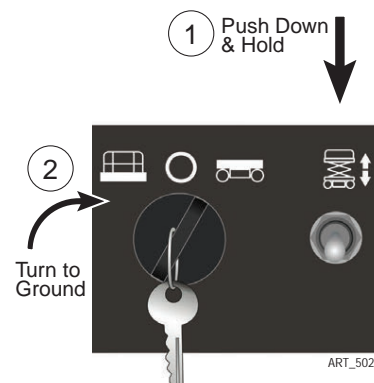
The machine can be winched or towed short distances at speeds not to exceed:

1930SE	0.5 MPH (0.8 km/h)
2632SE, 3346SE, 4046SE, 4555SE	2.5 MPH (4.0 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 (1930SE-4555SE)

1. Chock the wheels.
2. Turn the Key Switch to the OFF position.
3. Pull or turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
4. At the Ground Controls panel, press and hold the Lift/Lower Switch to the DOWN position, then turn on the Key Switch to the GROUND position.
5. Hold the Lift/Lower Switch in this position until a continuous alarm sounds, signalling that the brake has been released.



Resetting Brakes

Turn the Key Switch to the OFF position to reset the brake.

Driving or Winching onto or off of a Transport Vehicle

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.

Before loading or unloading the machine, check that:

- The deck extension, controls and component trays are secure.
- The platform is fully lowered.
- All loose items have been removed.

Before driving or winching the machine:

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

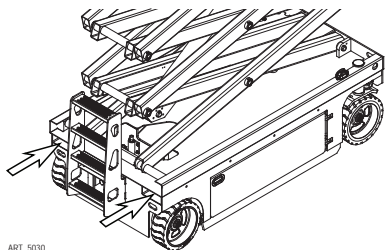
Driving

- 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.
- Select slow drive speed mode. 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 Free-wheel configuration for Winching or Towing on page 45).
- Carefully operate the winch to lower the machine down the ramp.
- Chock the wheels and engage the brakes.



Lifting The Machine With A Forklift

- Position the forklift forks in line with the forklift pockets.
- Drive forward to the full extent of the forks.
- Raise the machine 6 in / 15 cm and then tilt the forks back slightly to keep the machine secure.
- Be sure the machine is level when lowering the forks.

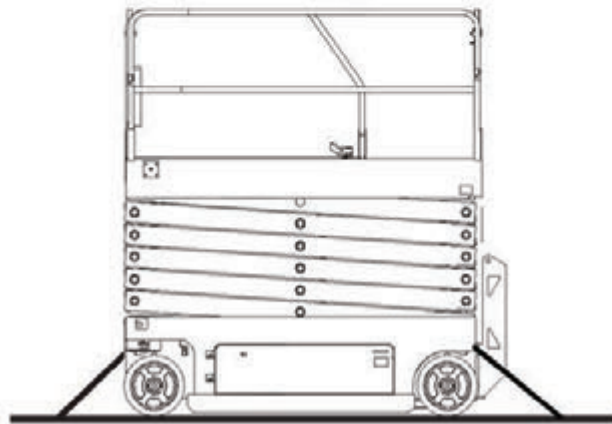
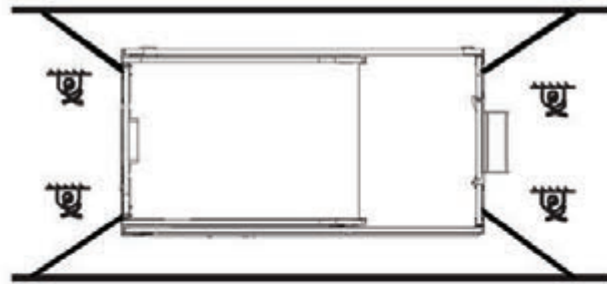


Lifting the machine from the side may result in component damage.

Securing to Truck or Trailer for Transport

- Turn the Key Switch to OFF and remove the key before transport.
- Inspect the entire machine for loose or unsecured items.

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



ART_5031

Lifting Instructions

Only qualified riggers should rig and lift the machine.

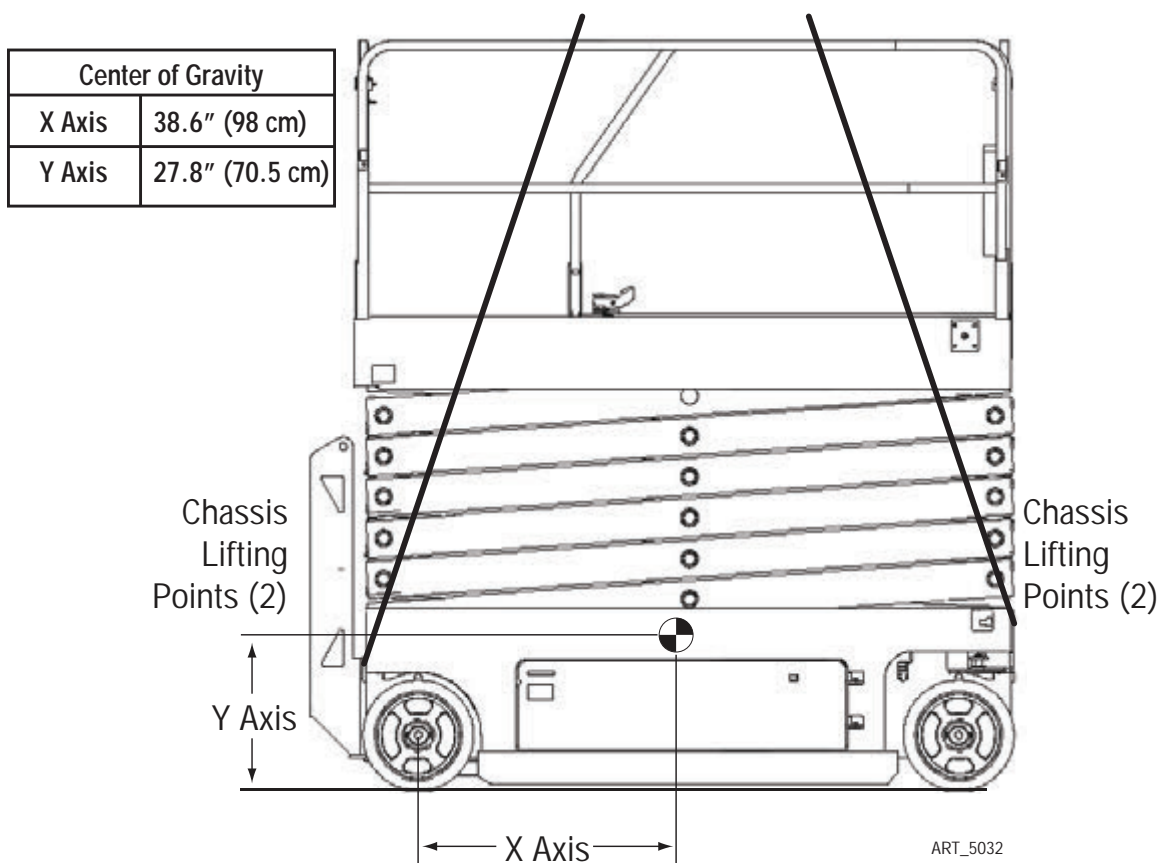


WARNING

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 controls and component trays 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.

Model	X Axis	Y Axis
1930SE	25.5 in / 4.8 cm	23.3 in / 59.1 cm
2632SE	31.7 in / 80.6 cm	22.7 in / 57.6 cm
3346SE	32.7 in / 83 cm	26.9 in / 68.2 cm
4046SE	32.7 in / 83 cm	28.4 in / 72.1 cm
4555SE	38.6 in / 98 cm	27.8 in / 70.5 cm





MEC Parts Order Form

Phone: 559-842-1523

Fax: 559-400-6723

Email: Parts@mecawp.com

Please Fill Out Completely:

Date: _____

Account: _____

Bill to: _____

Ordered By: _____

Your Fax No.: _____

Ship to: _____

Purchase Order Number _____

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

Ship VIA _____

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

Part Number	Description	Quantity	Price

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

_____ Ship complete order only - No Backorders

_____ Ship all available parts and contact customer on disposition of back-ordered parts

_____ Other (Please specify)

Signature _____



Limited Owner Warranty

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



MEC Aerial Work Platforms

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Phone: 1 - 559 - 842 - 1500

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