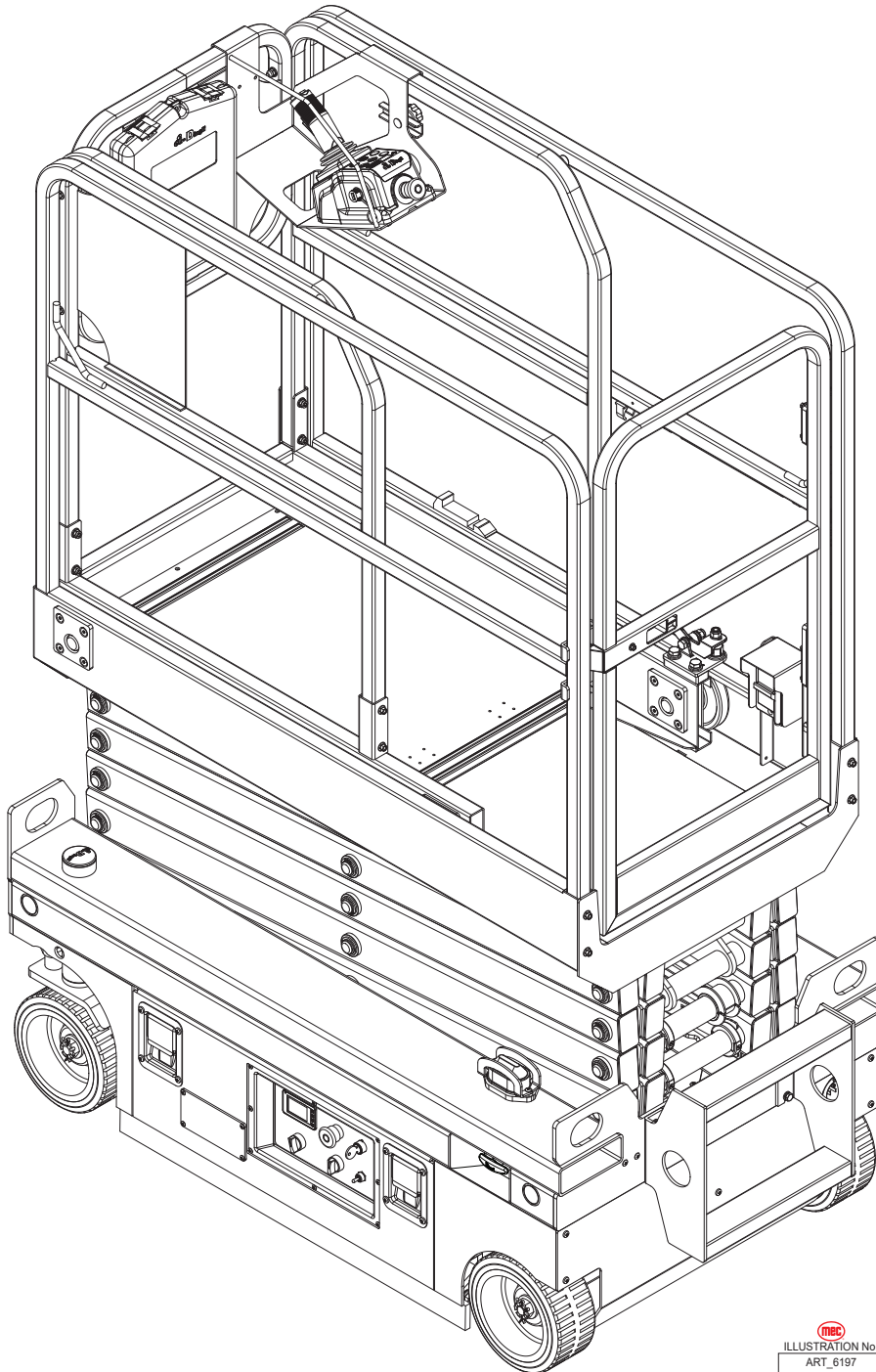




# Service & Parts Manual

## Micro19AE



MEC  
ILLUSTRATION No.  
ART\_6197

**Meets requirements of ANSI A92.20-2020 and CSA B354.6-2019.**  
Serial Number Range 18900026 - Up

Part # 97163  
August 2025

## Revision History

Date	Reason for Update
August 2025	New Release



## MEC Aerial Work Platforms

1401 S. Madera Avenue, Kerman, CA 93630 USA  
Toll Free: 1-877-632-5438  
Phone: 1-559-842-1500  
Fax: 1-559-842-1520  
info@MECawp.com  
www.MECawp.com

# Table of Contents

<b>Chapter 1 - Service</b>	<b>1</b>
<i>Service Introduction</i>	1
<b>Section 1 - MEC Operator Policy</b>	<b>2</b>
<i>MEC Operator Policy</i>	2
<b>Section 2 - Safety Symbols &amp; General Safety Tips</b>	<b>3</b>
<i>Safety Symbols &amp; General Safety Tips</i>	3
<b>Section 3 - Torque Specifications</b>	<b>4</b>
<i>Bolt Torque Specification - American Standard</i>	4
<i>Bolt Torque Specification - Metric Standard</i>	5
<i>Hydraulic Components Torque Table</i>	6
<b>Section 4 - Specifications</b>	<b>7</b>
<i>Specifications</i>	7
<b>Section 5 - Maintenance Lock</b>	<b>8</b>
<i>Maintenance Lock</i>	8
<b>Section 6 - Machine Systems</b>	<b>9</b>
<i>Machine Systems</i>	9
<b>Section 7 - Machine Components</b>	<b>10</b>
<i>Component Locations</i>	10
<b>Section 8 - Emergency Systems and Procedures</b>	<b>11</b>
<i>Emergency Systems and Procedures</i>	11
<b>Section 9 - Transporting and Lifting Instructions</b>	<b>12</b>
<i>Transport and Lifting Instructions</i>	12
<b>Section 10 - Maintenance</b>	<b>15</b>
<i>Maintenance</i>	15
<i>Pre-Start Inspection Checklist</i>	17
<i>Frequent Inspection Checklist</i>	18
<i>Maintenance Inspection Report</i>	19
<i>Daily Maintenance</i>	20
<i>Quarterly Maintenance</i>	22
<i>Semi-annual Maintenance</i>	28
<i>Annual Maintenance</i>	30
<b>Section 11 - Fault Codes</b>	<b>32</b>
<i>Fault Codes</i>	32
<b>Section 12 - Schematic</b>	<b>34</b>
<i>Electrical Schematic</i>	34

<b>Chapter 2 - Parts</b>	<b>35</b>
<i>Parts Introduction</i>	35
<b>Section 13 - Chassis.</b>	<b>36</b>
<i>Steer Linkage and Wheels Assembly</i>	36
<i>Drive Wheel Assembly.</i>	38
<i>Pothole Protection Assembly</i>	40
<i>Battery Pack Module</i>	42
<i>Motor Controller Assembly 2</i>	44
<i>Motor Controller Assembly 1</i>	46
<i>Ground Control Assembly</i>	48
<i>Ladder and Accessories</i>	50
<b>Section 14 - Scissor</b>	<b>52</b>
<i>Scissor Assembly</i>	52
<i>Electric Cylinder Assembly, HL</i>	56
<i>Electric Cylinder Assembly, EV</i>	58
<b>Section 15 - Platform</b>	<b>60</b>
<i>Main Platform Assembly</i>	60
<i>Platform Extension Assembly</i>	62
<i>Platform Locking Device Assembly</i>	64
<i>Platform Control Assembly</i>	66
<i>Platform Control Box Assembly</i>	68
<b>Section 16 - Electrical System</b>	<b>70</b>
<i>Electrical Harness</i>	70
<i>Power to Platform</i>	72
<b>Section 17 - Decals</b>	<b>74</b>
<i>Decals</i>	74

## Service Introduction

This Service section is designed to provide you, the customer, with the instructions needed to properly maintain the MEC self-propelled aerial work platform. When used in conjunction with the illustrated Parts section in this manual and the Operator's Manual (provided separately), this manual will assist you in making necessary adjustments and repairs, and identifying and ordering the correct replacement parts.

All parts represented here are manufactured and supplied in accordance with MEC quality standards. We recommend that you use genuine MEC parts to ensure proper operation and reliable performance.

To obtain maximum benefits from your MEC Aerial Work Platforms, always follow the proper operating and maintenance procedures. Only trained authorized personnel should be allowed to operate or service this machine. Service personnel should read and study the Operator's, and the Service and Parts Manuals in order to gain a thorough understanding of the unit prior to making any repairs.

## MEC Operator Policy

**Note:** *The best method to protect yourself and others from injury or death is to use common sense. If you are unsure of any operation, **don't start** until you are satisfied that it is safe to proceed and have discussed the situation with your supervisor.*

Service personnel and machine operators must understand and comply with all warnings and instructional decals on the body of the machine, at the ground controls, and platform control console.



**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.**

MEC's policies and procedures demonstrate our commitment to Quality and our relentless ongoing efforts towards Continuous Improvement, due to which product specifications are subject to change without notice.

Any procedures not found within this manual must be evaluated by the individual to assure oneself that they are "proper and safe."

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

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

**If there is a question on application and/or operation, contact MEC Aerial Work Platforms:**



## MEC Aerial Work Platforms

1401 S. Madera Avenue, Kerman, CA 93630 USA  
Toll Free: 1-877-632-5438  
Phone: 1-559-842-1500  
Fax: 1-559-842-1520  
info@MECawp.com  
www.MECawp.com

## Safety Symbols & General Safety Tips

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.

Regular inspection and constant maintenance is the key to efficient economical operation of your aerial work platform. It will help to assure that your equipment will perform satisfactorily with a minimum of service and repair.



The actual operating environment of the machine governs the inspection schedule. Correct lubrication is an essential part of the preventative maintenance to minimize wear on working parts and ensure against premature failure. By maintaining correct lubrication, the possibility of mechanical failure and resulting downtime is reduced to a minimum.

- Never leave hydraulic components or hoses open. They must be protected from contamination (including rain) at all times.
- Never open a hydraulic system when there are contaminants in the air.
- Always clean the surrounding area before opening hydraulic systems.
- Use only recommended lubricants. Improper lubricants or incompatible lubricants may be as harmful as no lubrication.
- Watch for makeshift “fixes” which can jeopardize safety as well as lead to more costly repair.

## Bolt Torque Specification - American Standard

### Fasteners

Use the following values to apply torque unless a specific torque value is called out for the part being used.

American Standard Cap Screws								
SAE Grade	5				8			
Cap Screw Size (Inches)	 ART 5816				 ART 5816			
	Torque				Torque			
	Ft-lbs		Nm		Ft-lbs		Nm	
	Min	Max	Min	Max	Min	Max	Min	Max
1/4 - 20	6.25	7.25	8.5	10	8.25	9.5	11	13
1/4 - 28	8	9	11	12	10.5	12	14	16
5/16 - 18	14	15	19	20	18.5	20	25	27
5/16 - 24	17.5	19	12	26	23	25	31	34
3/8 - 16	26	28	35	38	35	37	47.5	50
3/8 - 24	31	34	42	46	41	45	55.5	61
7/16 - 14	41	45	55.5	61	55	60	74.5	81
7/16 - 20	51	55	69	74.5	68	75	92	102
1/2 - 13	65	72	88	97.5	86	96	116	130
1/2 - 20	76	84	103	114	102	112	138	152
9/16 - 12	95	105	129	142	127	140	172	190
9/16 - 18	111	123	150	167	148	164	200	222
5/8 - 11	126	139	171	188	168	185	228	251
5/8 - 18	152	168	206	228	203	224	275	304
3/4 - 10	238	262	322	255	318	350	431	474
3/4 - 16	274	302	371	409	365	402	495	544
7/8 - 9	350	386	474	523	466	515	631	698
7/8 - 14	407	448	551	607	543	597	736	809
1 - 8	537	592	728	802	716	790	970	1070
1 - 14	670	740	908	1003	894	987	1211	1137

Torque values apply to fasteners as received from the supplier, dry or when lubricated with normal engine oil.





If special graphite grease, molydisulphide grease, or other extreme pressure lubricants are used, these torque values do not apply.



## Bolt Torque Specification - Metric Standard

### Fasteners

Use the following values to apply torque unless a specific torque value is called out for the part being used.

Metric Cap Screws								
Metric Grade	8.8				10.9			
Cap Screw Size (Millimeters)	 				 			
	Torque				Torque			
	Ft-lbs		Nm		Ft-lbs		Nm	
	Min	Max	Min	Max	Min	Max	Min	Max
M6 × 1.00	6	8	8	11	9	11	12	15
M8 × 1.25	16	20	21.5	27	23	27	31	36.5
M10 × 1.50	29	35	39	47	42	52	57	70
M12 × 1.75	52	62	70	84	75	91	102	123
M14 × 2.00	85	103	115	139	120	146	163	198
M16 × 2.50	130	158	176	214	176	216	238	293
M18 × 2.50	172	210	233	284	240	294	325	398
M20 × 2.50	247	301	335	408	343	426	465	577
M22 × 2.50	332	404	450	547	472	576	639	780
M24 × 3.00	423	517	573	700	599	732	812	992
M27 × 3.00	637	779	863	1055	898	1098	1217	1488
M30 × 3.00	872	1066	1181	1444	1224	1496	1658	2027

Torque values apply to fasteners as received from the supplier, dry or when lubricated with normal engine oil.

If special graphite grease, molydisulphide grease, or other extreme pressure lubricants are used, these torque values do not apply.

## Hydraulic Components Torque Table

**Note:** Always lubricate threads with clean hydraulic fluid prior to installation.

Use the following values to torque hydraulic components when a specific value is not available. Always check for torque values in the following places before relying on the Hydraulic Components Torque Table.

- Parts drawings and service instructions in this manual.
- Packaging and instruction sheets provided with new parts.
- Instruction manuals provided by the manufacturer of the component being serviced.

SAE Port Series	Cartridge Poppet		Fittings		Hoses	
	Ft-lbs	Nm	Ft-lbs	Nm	In-lbs	Nm
#4	N/A	N/A	N/A	N/A	135 - 145	15 - 16
#6	N/A	N/A	10 - 20	14 - 27	215 - 245	24 - 28
#8	25 - 30	31 - 41	25 - 30	34 - 41	430 - 470	49 - 53
#10	35 - 40	47 - 54	35 - 40	47 - 54	680 - 750	77 - 85
#12	85 - 90	115 - 122	85 - 90	115 - 122	950 - 1050	107 - 119
#16	130 - 140	176 - 190	130 - 140	176 - 190	1300 - 1368	147 - 155

## Specifications

Height, Working Maximum*	Indoors	24.9ft	7.6m
	Outdoors	21.7ft	6.6m
Height, Platform Maximum	Indoors	18.4ft	5.6m
	Outdoors	15.1ft	4.6m
Height, Stowed Maximum		78.3in	1.99m
Width		31.9in	0.81m
Length, Platform	Deck Retracted	59.8in	1.52m
	Deck Extended	83.5in	2.12m
Platform Dimensions (Length × Width)		53.9×27.6in	1.37×0.7m
Platform Maximum Capacity		500lbs	227kg
Platform Extension Deck Length		23.6in	0.6m
Platform Extension Deck Capacity		250lbs	113kg
Maximum Wind Speed		0mph	0m/s
Wheelbase		44.5in	1.13m
Turning Radius	Outside	63in	1.60m
	Inside	17.7in	0.45m
Ground Clearance Pothole	Platform Stowed	2.4in	6cm
	Platform Raised	0.6in	1.5cm
Maximum Occupants	Indoors	2 Person	
	Outdoors	1 Person	
Manual Force	Indoors	90lbs	400N
	Outdoors	45lbs	200N
Weight** (Unloaded)		2,955lbs	1,340kg
Power Source		2 Batteries, 12Volts 115Ah	
Power System Voltage		24Volts DC	
Tire Size		9×4in	Φ230×100mm
Maximum Slope Rating			
Slope Rating, Stowed Position		25% (14°)	
Side Slope Rating, Stowed Position		25% (14°)	
Chassis Slope		1.5 Side, 3.0 Inline	
Drive Speeds			
Platform Stowed, Maximum		2.5mph	4.0km/h
Platform Raised, Maximum		0.4mph	0.6km/h
Floor Loading Information			
Tire Load, Maximum		1,254lbs	570kg
Tire Contact Pressure		116 psi	8.2 kg/cm² (801 kPa)
Occupied Floor Pressure		1,168 psf	11,77 kg/m² (11.5 kPa)
Meets requirements of ANSI A92.20-2020 and CSA B354.6-2019.			
*Working Height adds 6 feet (2 meters) to platform height.			
**Weight may increase with certain options.			

## Maintenance Lock

### DEATH OR SERIOUS INJURY HAZARD!

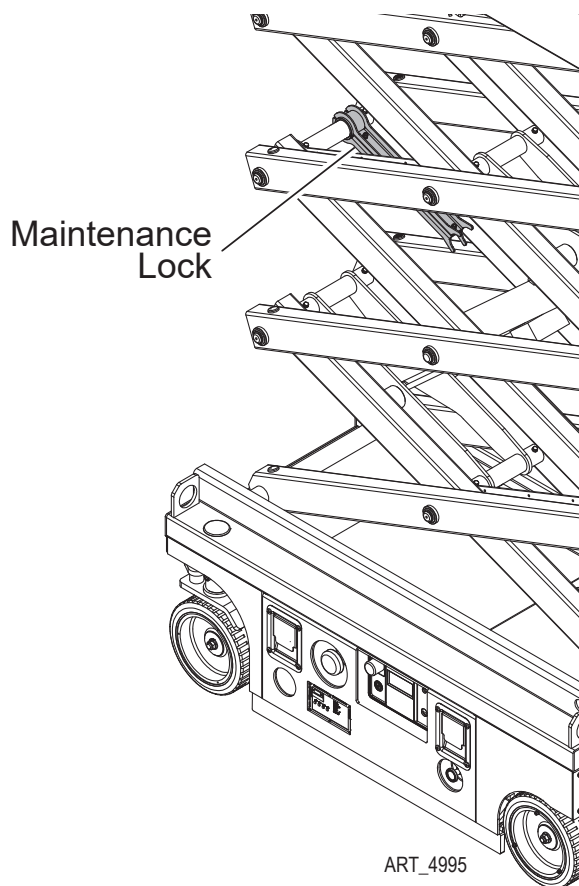


**NEVER PERFORM WORK OR INSPECTION ON THE MACHINE WITH THE PLATFORM ELEVATED WITHOUT FIRST BLOCKING THE SCISSOR ASSEMBLY WITH THE MAINTENANCE LOCK.**



**Don't engage the Maintenance Lock unless the platform is empty of tools and material.**

1. Raise the platform approximately 1.3 feet (0.4 meters) from the ground.
2. Rotate the Maintenance Lock away from the machine and let it hang down.
3. Lower the platform until the Maintenance Lock rests securely on the link. Keep clear of the Maintenance Lock when lowering the platform.



ART\_4995

# Machine Systems

## Electrical System

---

**CAUTION**

Prevent damage to battery and/or electrical system;

- Always disconnect the negative battery cable first.
  - Always connect the positive battery cable first.
- 

When the negative cable is installed, a spark will occur if contact is made between the positive side of the battery and a metal surface on the machine. This can cause damage to the electrical system, battery explosion, and personal injury.

## Total System

---

**FAILURE TO PERFORM PREVENTIVE MAINTENANCE AT RECOMMENDED INTERVALS MAY RESULT IN THE UNIT BEING OPERATED WITH A DEFECT THAT COULD RESULT IN INJURY OR DEATH OF THE OPERATOR.**

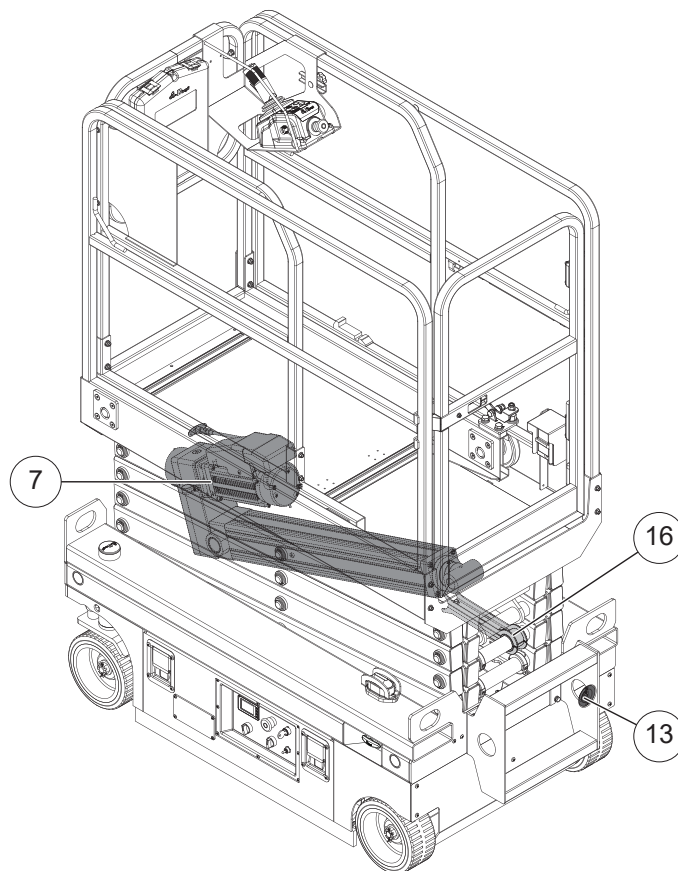
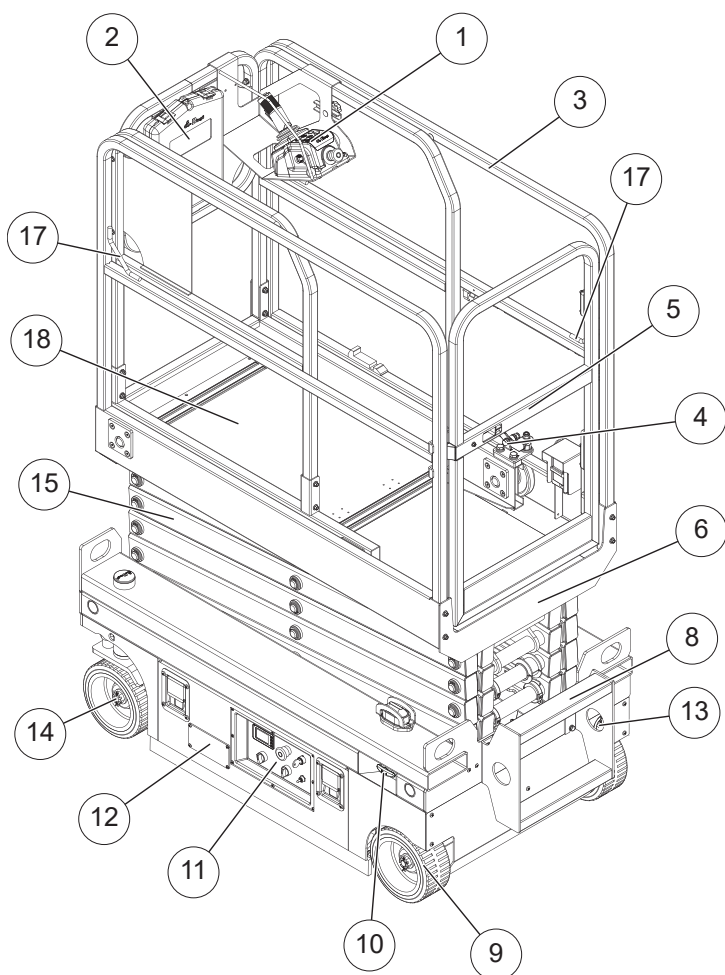
**WARNING**

**IMMEDIATELY REPORT TO YOUR SUPERVISOR ANY DEFECT OR MALFUNCTION. ANY DEFECT SHALL BE REPAIRED PRIOR TO CONTINUED USE OF THE AERIAL WORK PLATFORM.**

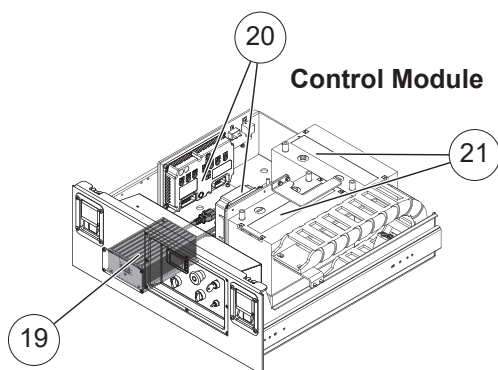
**INSPECTION AND MAINTENANCE SHOULD BE PERFORMED BY QUALIFIED PERSONNEL FAMILIAR WITH THE EQUIPMENT.**

---

# Component Locations



*Electric Lift Cylinder, Maintenance Lock, and 3-Prong Plug shown for visual reference and clarity.*



*Battery Charger shown for visual reference and clarity.*

- 1) Platform Controls
- 2) Manual Case
- 3) Platform Guardrails
- 4) Platform Extension Deck Release Pedal
- 5) Platform Entry Gate
- 6) Main Platform
- 7) Electric Lift Cylinder
- 8) Entry Ladder
- 9) Drive Wheels
- 10) Emergency Lowering Handle
- 11) Ground Control Panel
- 12) Battery Charger Display
- 13) Battery Charger/Power to Platform Plug (3-Prong)
- 14) Steer Wheels
- 15) Scissor Stack
- 16) Maintenance Lock
- 17) Lanyard Anchorage Point(s)
- 18) Platform Extension Deck
- 19) Battery Charger
- 20) Motor Controllers (2×)
- 21) Batteries (2×)

**mec**  
ILLUSTRATION No.  
ART\_6196

## Emergency Systems and Procedures



**IF THE CONTROL SYSTEM FAILS WHILE THE PLATFORM IS ELEVATED, HAVE AN EXPERIENCED OPERATOR USE THE EMERGENCY LOWERING PROCEDURE TO SAFELY LOWER THE PLATFORM.**

**DO NOT ATTEMPT TO CLIMB DOWN ELEVATING ASSEMBLY.**

### Emergency Stop

The machine is equipped with an EMERGENCY STOP switch at the base controls and the platform control box.

- Press the EMERGENCY STOP switch at any time to stop all machine functions.
- Pull switch to reset.
- Either switch will stop all machine functions.
- Both switches must be reset or machine will not operate.



### Emergency Lowering

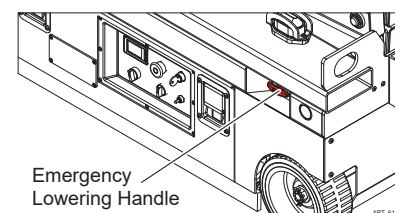


**IF THE CONTROL SYSTEM FAILS WHILE THE PLATFORM IS ELEVATED, USE THE EMERGENCY LOWERING PROCEDURE TO SAFELY LOWER THE PLATFORM.**

**DO NOT CLIMB DOWN THE ELEVATING ASSEMBLY OR EXIT THE PLATFORM.**

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

To lower the platform, pull the Emergency Lowering Knob, located near the Base Control panel.



# 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.

---

It is not recommended, but the machine can be winched or towed short distances at speeds not to exceed 2.5mph (4km/h).

Before towing or winching the machine, it is necessary to release the brakes. Reset the brakes after towing or winching.

### Brake Release

1. Chock the wheels to prevent the machine from rolling.
2. When the machine is powered on, press and hold both "Reservation Button 1" and "Reservation Button 2" on the platform controller at the same time, the LED readout screen display "--" indicating that the system enter the configuration mode.
3. Press and hold the Drive select button for 3 seconds. The LED readout screen will display "br", The brakes will be released after an alarm sounds.
4. To reset the brakes, turn the Key Switch to the Off position or push in an Emergency Stop button.



**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 Key Switch to the Platform position. Check that the Emergency Stop Switch is reset by pulling it out to the On position (pulled out).
- Enter the platform and reset the Platform Emergency Stop Switch.
- Test the platform control functions.
- Make to be in 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

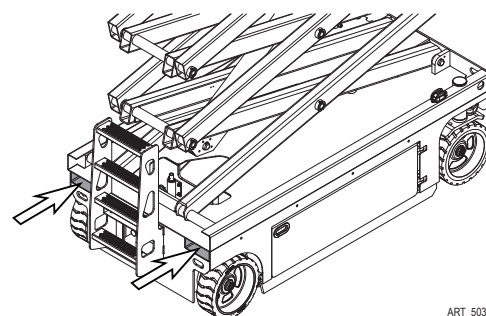
- Disengage brakes (see Brake Release on page 12).
- Carefully operate the winch to lower the machine down the ramp.
- Chock the wheels and engage the brakes.



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

### 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 inches (15 centimeters) and then tilt the forks back slightly to keep the machine secure.
- Be sure the machine is level when lowering the forks.



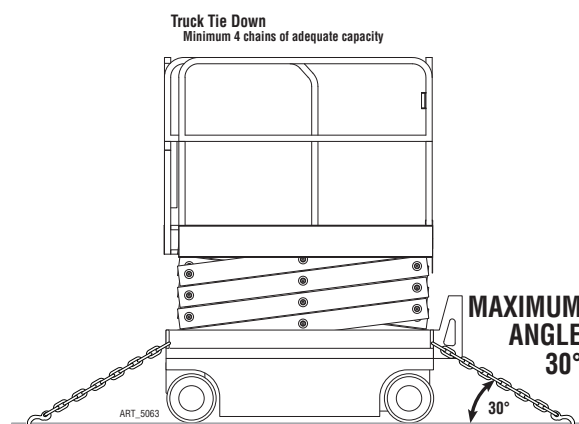
ART\_5030

**CAUTION**

Ensure that angle of each hold-down chain or strap does not exceed 30° relative to the trailer deck.

**Securing to truck or trailer for Transport**

- Turn the Key Switch to the Off position 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.

**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.

## 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.

---

**NEVER** perform work or inspection on the machine with the platform elevated without first blocking the scissor assembly with the Maintenance Lock (see page 15).

**WARNING**

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.

---

Use only recommended lubricants. Improper lubricants or incompatible lubricants may cause as much damage as no lubrication.

**CAUTION**

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 16 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 16.

### 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.

## Pre-Start Inspection Checklist

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

DO NOT use a damaged or malfunctioning machine.

	Be sure that the operator's manual 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 battery fluid leaks. (Sealed AGM-type batteries don't require maintenance.)

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

	Electrical components, wiring and electrical cables
	Battery connections
	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 17 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 \_\_\_\_\_

	Perform all checks listed on Pre-Start Inspection.
	Grease the Steering Yokes
	Batteries
	Electrical Wiring
	Tires and wheels
	Emergency Stop
	Key Switch
	Horn
	Drive Brakes
	Drive Speed, Stowed Platform
	Drive Speed, Raised Platform
	Drive Speed, Slow
	Latch Components
	Test Down & Pothole limit switches
	Test Up Limit Switches

Date \_\_\_\_\_ Inspected By \_\_\_\_\_

# Maintenance Inspection Report

## ALL-ELECTRIC, SE & MICRO Series Scissors

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

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

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

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

**Key** Y = Yes, Acceptable N = No, Remove from Service R = Repaired 0 = Not Applicable

☐

**QUARTERLY** - Inspect only those marked "Q"

☐

**ANNUAL** - Inspect all items

	Q/A	Y/N/O	R
<b>DECALS:</b>			
Legible - undamaged/readable	Q		
Capacity decal correct for model	Q		
<b>RAILS:</b>			
Not damaged, all in place	Q		
All rail fasteners secure	Q		
Entry gate secure, closes properly	Q		
Manual box in good condition	Q		
Operators Manual in manual box	Q		
<b>PLATFORM EXTENSION:</b>			
Rolls in and out freely	Q		
Lock holds deck in place	Q		
Release pedal moves freely (lube)	Q		
<b>ELEVATING ASSEMBLY:</b>			
Scissor Slide Blocks, lubed	Q		
Maintenance Stand, good Cond	Q		
Beam structures: Straight, no cracks	A		
Welds: secure, no cracks	A		
Retaining Rings	A		
Cylinder Pins, secure	A		
<b>ELECTRICAL:</b>			
GFCI operates correctly	Q		
Wire harnesses good cond, secure	A		
Comm cable no damage, secure	A		
<b>BASE:</b>			
Fasteners tight	Q		
Cover panels secure	Q		
Welds	A		

	Q/A	Y/N/O	R
<b>WHEELS:</b>			
Tire damage	Q		
Lug nuts (Wheel mounting) torqued correctly	Q		
King Pins lubed	A		
<b>COMPONENT AREA:</b>			
Batteries filled (Flooded-type Only)	Q		
Emergency Stop, Cuts all power	Q		
Battery Switch, Stops all power when pushed	Q		
Plastic Cover on door end, secure	Q		
Lift Actuator(s) mounting tight	Q		
Steer Actuator, Mounting tight	A		
Drive Motors, fasteners tight, No leaks from hubs	Q		
<b>OPERATIONAL INSPECTION:</b>			
All functions, operate smooth and quiet	Q		
All functions, speeds correct	Q		
Upper control box, operates correctly	Q		
Emergency Down, operates correctly	Q		
Limit switches slows drive when elevated	Q		
Pothole switch test	Q		
Steering pressure relief, set correctly	Q		
Test Platform Overload Sensing operation	Q		

## Daily Maintenance

The following maintenance should be done every daily or 8 hours of operation whichever comes first.

### 1) Inspect the Manuals and Decals

Maintaining the operator's manual in good condition is essential to safe machine operation. Manuals are included with each machine and should be stored in the container provided in the platform. An illegible or missing manual will not provide safety and operational information necessary for a safe operating condition.

In addition, maintaining all of the safety and instructional decals in good condition is mandatory for safe machine operation. Decals alert operators and personnel to the many possible hazards associated with using this machine. They also provide users with operation and maintenance information. An illegible decal will fail to alert personnel of a procedure or hazard and could result in unsafe operating conditions.

1. Check to make sure that the operator's manual is present and complete in the storage container on the platform.
2. Examine the pages of manual to be sure that they are legible and in good condition.
  - **Result:** The operator's manual is appropriate for the machine and the manual are legible and in good condition.
  - **Result:** The operator's manual is not appropriate for the machine or the manual is not in good condition or is illegible. Remove the machine from service until the manual is replaced.
3. Open the operator's manual to the decals inspection section. Carefully and thoroughly inspect all decals on the machine for legibility and damage.
  - **Result:** The machine is equipped with all required decals, and all decals are legible and in good condition.
  - **Result:** The machine is not equipped with all required decals, or one or more decals are illegible or in poor condition. Remove the machine from service until the decals are replaced.
4. Always return the manual to the storage container after use.

### 2) Perform Pre-operation Inspection

Completing a Pre-operation Inspection is essential to safe machine operation. The Pre-operation Inspection is a visual inspection performed by the operator prior to each work shift. The inspection is designed to discover if anything is apparently wrong with a machine before the operator performs the function tests. The Pre-operation Inspection also serves to determine if routine maintenance procedures are required.

Complete information to perform this procedure is available in the appropriate operator's manual. Refer to the operator's manual on your machine.

### 3) Check the Batteries

- New parts may be required to perform this procedure.

Proper battery condition is essential to good machine performance and operational safety. Improper fluid levels or damaged cables and connections can result in component damage and hazardous conditions.



**Note:** This inspection is not required for machines with lithium batteries, sealed AGM-batteries, or maintenance-free batteries.



**Electrocution hazard! Contact with electrically charged or hot or live circuits may result in death or serious injury. Remove all rings, watches and other jewelry.**



**Bodily injury hazard! Batteries contain acid. Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.**

1. Put on protective clothing and eye wear.
2. Be sure that the battery cable connections are tight and free of corrosion.
3. Be sure that the battery hold-down bars are secure.
4. Remove the battery vent caps.
5. Check the battery acid level. If needed, replenish with distilled water to the bottom of the battery fill tube. **Do not overfill!**
6. Install the vent caps.

**Note:** Adding terminal protectors and a corrosion preventative sealant will help eliminate corrosion on the battery terminals and cables.

#### **4) Perform 30 Day Service**

- Tools may be required to perform this procedure.
- New parts may be required to perform this procedure.

The 30-day maintenance procedure is a one time procedure to be performed after the first 30 days or 40 hours of usage. After this interval, refer to the maintenance tables for continued scheduled maintenance.

Perform the following maintenance procedure:

- Inspect the Tires, Wheels and Castle Nut Torque on page 24.

## Quarterly Maintenance

The following maintenance should be done every quarter or 250 hours of operation, whichever comes first.

### 1) Inspecting the Batteries

- Tools may be required to perform this procedure.
- New parts may be required to perform this procedure.

Proper battery condition is essential to good machine performance and operational safety. Improper fluid levels or damaged cables and connections can result in component damage and hazardous conditions.

**Note:** This inspection is not required for machines with lithium batteries, sealed AGM-batteries, or maintenance-free batteries.



**Electrocution hazard! Contact with electrically charged or hot or live circuits may result in death or serious injury. Remove all rings, watches and other jewelry.**



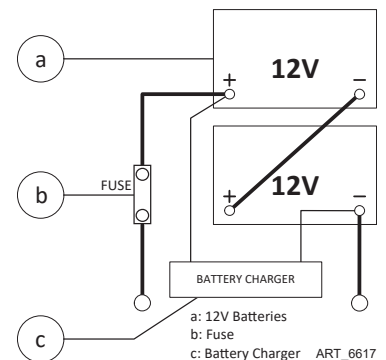
**Bodily injury hazard! Batteries contain acid. Avoid spillage or contacting battery acid. Neutralize battery acid spills with baking soda and water.**

1. Put on protective clothing and eye wear.
2. Release the battery pack latch and rotate the battery pack out and away from the chassis.
3. Be sure that the battery cable connections are free of corrosion.

**Note:** Adding terminal protectors and a corrosion preventative sealant will help eliminate corrosion on the battery terminals and cables.

4. Be sure that the battery retainers and cable connections are tight.
5. Fully charge the batteries. Allow the batteries to rest 24 hours before performing this procedure to allow the battery cells to equalize.
6. Check each battery pack and verify that the batteries are wired correctly.
7. Inspect the battery charger plug and pigtail for damage or excessive insulation wear. Replace as required.
8. Connect the battery charger to a properly grounded 110 - 230V / 50 – 60 Hz single phase AC power supply.

- **Result:** The charger should operate and begin charging the batteries.
- **Result:** If, simultaneously, the charger alarm sounds and the LEDs blink, correct the charger connections at the fuse and battery. The charger will then operate correctly and begin charging the batteries.



**Note:** For best results, use an extension of adequate size with a length no longer than 49 feet or 15 meters.

The following must be measured and recorded once the battery has been fully charged, after a waiting time of at least 12 hours:

- Total voltage
- Individual voltage of the block battery

If significant changes to previous measurements or differences between the block batteries are identified, then MEC Customer Service must be contacted for further testing or repairs.

## 2) Inspect the Electrical Wiring

- Tools may be required to perform this procedure.

Maintaining electrical wiring in good condition is essential to safe operation and good machine performance. Failure to find and replace burnt, chafed, corroded or pinched wires could result in unsafe operating conditions and may cause component damage.



**Electrocution / burn hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.**

1. Inspect the underside of the chassis for damaged or missing ground strap(s).
2. Inspect the following areas for burnt, chafed, corroded and loose wires:
  - Ground control panel
  - Battery tray inside the wire
  - Battery pack module tray
  - Platform controls
3. Turn the key switch to platform control. Pull out the platform and ground red Emergency Stop button to the on position.
4. Raise the platform until the distance of the two sets of scissor at least 15.7 inches (0.4 meters).
5. Lift the safety arm and rotate down to a vertical position.
6. Push in the lower control emergency stop button.
7. Lower the platform using the emergency lowering knob until the safety arm rests securely on the link. Keep clear of the safety arm when lowering the platform.
  - It is recommended to use the emergency lowering knob to lower the platform instead of the upper or lower controls to prevent excessive contact between the safety arm and scissor-rod.



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

**Crushing hazard. Keep hands clear of the safety arm when lowering the platform.**

8. Inspect the center chassis area and scissor arms for burnt, chafed and pinched cables.
9. Inspect the following areas for burnt, chafed, corroded, pinched and loose wires:

- Scissor arms
  - Power to platform wiring
10. Inspect for a liberal coating of dielectric grease in the following locations:
    - Between the ECU and platform controls
    - All wire harness connectors Level sensor
  11. Raise the platform and return the safety arm to the stowed position.
  12. Lower the platform to the stowed position and turn the machine off.

### 3) Inspect the Tires, Wheels and Castle Nut Torque

- Tools may be required to perform this procedure.
- New parts may be required to perform this procedure.

Maintaining the tires and wheels in good condition is essential to safe operation and good performance. Tire and/or wheel failure could result in a machine tip-over. Component damage may also result if problems are not discovered and repaired in a timely fashion.

1. Check the tire surface and sidewalls for cuts, cracks, punctures and unusual wear.
2. Check each wheel for damage, bends and cracks.
3. Check each bolt for proper torque.

<b>Bolt Torque, Dry</b>	116.7 ft-lbs (226 Nm)
<b>Bolt Torque, Lubricated</b>	125.4 ft-lbs (170 Nm)

### 4) Test the Emergency Stop

A properly functioning Emergency Stop is essential for safe machine operation. An improperly operating red Emergency Stop button will fail to shut off power and stop all machine functions, resulting in a hazardous situation.

As a safety feature, selecting and operating the ground controls will override the platform controls, except the platform red Emergency Stop button.

1. Turn the key switch to ground control. Pull out the platform and ground red Emergency Stop button to the on position.
2. Push in the red Emergency Stop button at the ground controls to the off position.
  - **Result:** No machine functions should operate.
3. Turn the key switch to platform control. Pull out the platform and ground red Emergency Stop button to the on position.
4. Push in the red Emergency Stop button at the platform controls to the off position.
  - **Result:** No machine functions should operate.

**Note:** The red Emergency Stop button at the ground controls will stop all machine operation, even if the key switch is switched to platform control.

### 5) Test the Key Switch

Proper key switch action and response is essential to safe machine operation. The machine can be operated from the ground or platform controls and the activation of one or the other is accomplished with the key switch. Failure of the key switch to activate the appropriate control panel could cause a hazardous operating situation.

Perform this procedure from the ground using the platform controls. Do not stand in the platform.

1. Pull out the platform and ground red Emergency Stop button to the on position.
2. Turn the key switch to platform control.
3. Check the platform up/down function from the ground controls.
  - **Result:** The machine functions should not operate.
4. Turn the key switch to ground control.
5. Check the machine functions from the platform controls.
  - **Result:** The machine functions should not operate.
6. Turn the key switch to the off position.
  - **Result:** No function should operate.

## 6) Test the Automotive-style Horn

The horn is activated at the platform controls and sounds at the ground as a warning to ground personnel. An improperly functioning horn will prevent the operator from alerting ground personnel of hazards or unsafe conditions.

1. Turn the key switch to platform control. Pull out the platform and ground red Emergency Stop button to the on position.
2. Push down the horn button at the platform controls.
  - **Result:** The horn should sound.

## 7) Test the Drive Brakes

- Tools may be required to perform this procedure.
- New parts may be required to perform this procedure.

Proper brake action is essential to safe machine operation. The drive brake function should operate smoothly, free of hesitation, jerking and unusual noise.

Perform this procedure with the machine on a firm level surface that is free of obstructions, with the platform extension deck fully retracted and the platform in the stowed position.

1. Mark a test line on the ground for reference.
2. Turn the key switch to platform control. Pull out the platform and ground red Emergency Stop button to the on position.
3. Lower the platform to the stowed position.
4. Press the drive function select button.
5. Choose a point on the machine; i.e., contact patch of a tire, as a visual reference for use when crossing the test line.
6. Bring the machine to top drive speed before reaching the test line. Release the function enable switch or the joystick when your reference point on the machine crosses the test line.
7. Measure the distance between the test line and your machine reference point.
  - **The maximum braking distance at high speed on a paved surface is 24 inches±11.8 inches (61 centimeters±30 centimeters)**
  - **Result:** The machine stops within the specified braking distance. No action required.
  - **Result:** The machine does not stop within the specified braking distance.

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

8. Replace the brakes and repeat this procedure beginning with step 1.

### **8) Test the Drive Speed (Stowed Position)**

- Tools may be required to perform this procedure.

Proper drive functions are essential to safe machine operation. The drive function should respond quickly and smoothly to operator control. Drive performance should also be free of hesitation, jerking and unusual noise over the entire proportionally controlled speed range.

Perform this procedure with the machine on a firm, level surface that is free of obstructions.

1. Create start and finish lines by marking two lines on the ground 40 feet (12.2 meters) apart.
2. Turn the key switch to platform control. Pull out the platform and ground red Emergency Stop button to the on position.
3. Lower the platform to the stowed position.
4. Press the drive function select button.
5. Choose a point on the machine; i.e., contact patch of a tire, as a visual reference for use when crossing the start and finish lines.
6. Bring the machine to top drive speed before reaching the start line. Begin timing when your reference point on the machine crosses the start line.
7. Continue at full speed and note the time when your reference point on the machine passes over the finish line. The time is less than 11 seconds.

### **9) Test the Drive Speed (Raised Position)**

- Tools may be required to perform this procedure.

Proper drive functions are essential to safe machine operation. The drive function should respond quickly and smoothly to operator control. Drive performance should also be free of hesitation, jerking and unusual noise over the entire proportionally controlled speed range.

Perform this procedure with the machine on a firm, level surface that is free of obstructions.

1. Create start and finish lines by marking two lines on the ground 40 feet (12.2 meters) apart.
2. Turn the key switch to platform control. Pull out the platform and ground red Emergency Stop button to the on position.
3. Press the lift function select button.
4. Press and hold the function enable switch on the joystick.
5. Raise the platform approximately 4.2 feet (1.3 meters) from the ground.
6. Press the drive function select button.
7. Choose a point on the machine; i.e., contact patch of a tire, as a visual reference for use when crossing the start and finish lines.
8. Bring the machine to top drive speed before reaching the start line. Begin timing when your reference point on the machine crosses the start line.
9. Continue at full speed and note the time when your reference point on the machine passes over the finish line. The time is less than 74 seconds.

## 10) Test the Slow Drive Speed

- Tools may be required to perform this procedure.

Proper drive functions are essential to safe machine operation. The drive function should respond quickly and smoothly to operator control. Drive performance should also be free of hesitation, jerking and unusual noise over the entire proportionally controlled speed range.

Perform this procedure with the machine on a firm, level surface that is free of obstructions.

1. Create start and finish lines by marking two lines on the ground 40 feet (12.2 meters) apart.
2. Turn the key switch to platform control. Pull out the platform and ground red Emergency Stop button to the on position.
3. Lower the platform to the stowed position.
4. Press the slow speed select button.
5. Choose a point on the machine; i.e., contact patch of a tire, as a visual reference for use when crossing the start and finish lines.
6. Bring the machine to top drive speed before reaching the start line. Begin timing when your reference point on the machine crosses the start line.
7. Continue at full speed and note the time when your reference point on the machine passes over the finish line. The time is less than 22 seconds.

## 11) Check the Module Tray Latch Components

- Tools may be required to perform this procedure.
- New parts may be required to perform this procedure.

Maintaining the module tray latch components in good condition is essential to good performance and service life. Failure to detect worn out latch components may result in module trays opening unexpectedly, creating an unsafe operating condition.

1. Inspect each module tray rotary latch and related components for wear. Tighten any loose fasteners.
2. Lubricate each module tray rotary latch. Using light oil, apply a few drops to each of the springs and to the sides of the rotary latch mechanism.



## Semi-annual Maintenance

The following maintenance should be done every 6 months or 500 hours of operation, whichever comes first.

### 1) Test the Platform Overload System

- Tools may be required to perform this procedure.
- Dealer service may be required to perform this procedure.

Testing the platform overload system regularly is essential to safe machine operation. Continued use of an improperly operating platform overload system could result in the system not sensing an overloaded platform condition. Machine stability could be compromised resulting in the machine tipping over.

The platform overload system is designed to prevent machine operation in the event the platform is overloaded. Models equipped with the platform overload option are provided with two additional machine control components: the overload pressure sensor and the platform height sensor.

The overload pressure transducer, located at the valve of the lift cylinder, is used to determine the pressure inside the lift cylinder.

The platform height sensor, located at the steer end of the chassis, battery side, is used to determine the height of the platform.

The overload pressure transducer and the platform height sensor provide the GCON with necessary information to determine the load in the platform.

**Note:** The accuracy of the pressure sensor on the hydraulic cylinder is affected by the hydraulic oil temperature. During the actual use, when the working environment temperature changes significantly, the platform overload system may appear abnormal conditions. It need to be calibrated again, the platform overload system cannot be used again until the platform overload system get back to normal.

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



**WARNING**

**Perform this procedure with the machine on a firm, level surface.**

1. Turn the key switch to platform control. Pull out the platform and ground red Emergency Stop button to the on position.
2. Determine the maximum platform capacity. Refer to serial plate and decals.
3. Using a suitable lifting device, place an appropriate test weight equal to the maximum platform capacity in the center of the platform floor.
  - **Result:** The overload alarm at the platform controls should not sound, indicating a normal condition.
  - **Result:** The overload alarm at the platform controls sounds. Calibrate the platform overload system.



4. Add an additional weight to the platform not to exceed 20% of the maximum rated load.
  - **Result:** The overload alarm at the platform controls sound, indicating a normal condition.
  - **Result:** The overload alarm at the platform controls does not sound. Calibrate the platform overload system.
5. Test all machine functions from the platform controls.
  - **Result:** All platform control functions should operate.
6. Turn the key switch to ground controls
7. Test all machine functions from the ground controls
  - **Result:** All ground control functions should not operate.
8. Lift the test weight off the platform floor using a suitable lifting device.
  - **Result:** The overload alarm at the platform controls should not sound, indicating a normal condition.
  - **Result:** The overload alarm at the platform controls sounds. Calibrate the platform overload system.
9. Test all machine functions from the ground controls.
  - **Result:** All ground control functions should operate.
10. Turn the key switch to platform controls.
11. Test all machine functions from the platform controls.
  - **Result:** All platform control functions should operate.

## Annual Maintenance

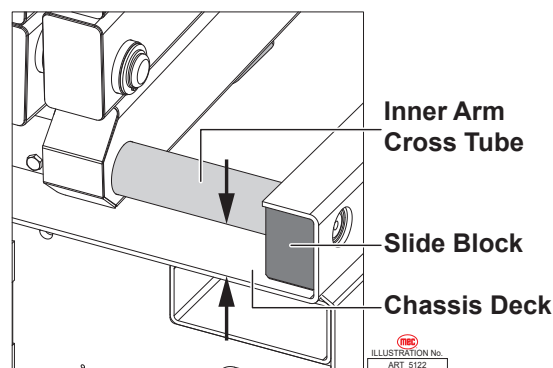
The following maintenance should be done every year or 1,000 hours of operation, whichever comes first.

### 1) Check the Scissor Arm Wear Pads

- Tools may be required to perform this procedure.
- New parts may be required to perform this procedure.

Maintaining the condition of the scissor arm wear pads is essential to safe machine operation. Continued use of worn out wear pads may result in component damage and unsafe operating conditions. Perform this procedure with the platform in the stowed position.

1. Measure the distance between the number one arm cross tube and the chassis deck at the ground controls side of the non-steer end of the machine.
  - **Result:** The measurement is 0.9 inches (23 millimeters) or more. Proceed to step 2.
  - **Result:** The measurement is less than 0.9 inches (23 millimeters) or more. Replace both wear pads.
2. Measure the distance between the number one arm cross tube and the chassis deck at the battery pack side of the non-steer end of the machine.
  - **Result:** The measurement is 0.9 inches (23 millimeters) or more. Proceed to step 3.
  - **Result:** The measurement is less than 0.9 inches (23 millimeters) or more. Replace both wear pads.
3. Apply a thin layer of dry film lubricant to the area of the chassis where the scissor arm wear pads make contact.



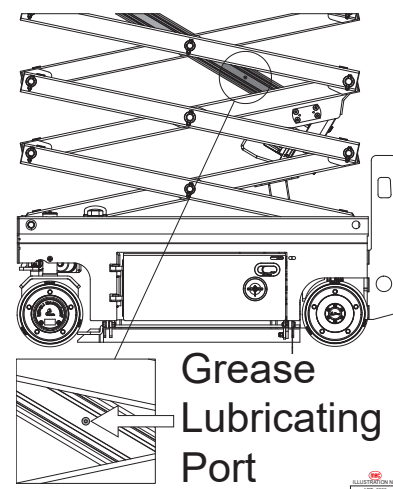
### 2) Inspect the Electric Lift Cylinder

- Tools may be required to perform this procedure.
- New parts may be required to perform this procedure.
- Dealer service may be required to perform this procedure.

Keeping the Electric Cylinder in good condition is essential to machine performance and service life. If the Electric Cylinder is not properly lubricated then it will negatively influence the machine performance, and with continued use, the Electric Cylinder can be damaged. This operation should be carried out more frequently under severe working conditions

If the Electric Cylinder makes abnormal noise, please add the lubricating grease promptly.

1. Raise the platform to the position where the grease lubricating port is completely exposed.
2. Disconnect the battery pack from the machine, and let the machine stand for an hour at last.



3. Remove the plug from the lubricating grease port.
4. Add a moderate amount of Mobil SHC22 lubricating grease.
5. Clean any spilled or excess lubricating grease.
6. Install the battery pack, then raise and descend the platform several times. Inspect the condition of the machine.

## Fault Codes

The LED readout screen displays fault codes that provide information about the machine operating status and about malfunctions. The fault codes listed in the following charts describe malfunctions and can aid in troubleshooting the machine by pinpointing the area or component affected.



List of Fault Codes		
Display	Description	Lift Reaction
01 System Initialization Fault	System Initialization Fault	Disables All Motion
02 System Communication Fault	System Communication Fault	Disables All Motion
03 Invalid Option Setting Fault	Invalid Option Setting Fault	Disables All Motion
04 Calibration Incomplete	Calibration Incomplete	Warning Only
05 Left MC Fault	Left MC Fault	Disables All Motion
06 Right MC Fault	Right MC Fault	Disables All Motion
07 Lift MC Fault	Lift MC Fault	Disables All Motion
08 Steer MC Fault	Steer MC Fault	Disables All Motion
09 Left MC Communication Fault	Left MC Communication Fault	Disables All Motion
10 Right MC Communication Fault	Right MC Communication Fault	Disables All Motion
11 Pump MC Communication Fault	Pump MC Communication Fault	Disables All Motion
12 Steer MC Communication Fault	Steer MC Communication Fault	Disables All Motion
13 Chassis Up or Down Switch ON	Chassis Up or Down Switch ON	Disables All Motion
14 Load Sensor Communication Fault	Load Sensor Communication Fault	Disables All Motion
18 Pothole Guard Fault	Pothole Guard Fault	Disable Lifting and Driving
31 Load Sensor Fault	Load Sensor Fault	Disables All Motion
32 Angle Sensor Fault	Angle Sensor Fault	Disables All Motion
36 Low Battery Limp	Low Battery Limp	Drive speed limit
37 Battery Sleep	Battery Sleep	Warning Only
42 Platform Left Button ON	Platform Left Button ON	Warning Only
43 Platform Right Button ON	Platform Right Button ON	Warning Only
46 Platform Enable Button ON	Platform Enable Button ON	Disable Platform Control
47 Joystick Not In Neutral	Joystick Not In Neutral	Drive speed limit
68 Battery Low Voltage Fault	Battery Low Voltage Fault	Disables All Motion
80 Platform Load is over 80%	Platform Load is over 80%	Warning Only
90 Platform Load is over 90%	Platform Load is over 90%	Warning Only
99 Platform Load is over 99%	Platform Load is over 99%	Warning Only
100 Machine Inclined	Machine Inclined	Disable Lifting and Driving
100 Platform Overloaded	Platform Overloaded	Disable All Motion
101 Restore Parameters to Default	Restore Parameters to Default	Warning Only
102 Battery is draining	Battery is draining	Battery is draining

List Of Fault Codes (Motor Controller)		List Of Fault Codes (Motor Controller)	
Display	Description	Display	Description
1037	Contactator Closed	2216	EB. Coil Open
1038	Contactator Open	2218	Sens Mot Temp KO
1060	Capacitor Charge	2220	Vkey Off Shorted
1062	TH. Protection	2223	Contactator Coil Short
1065	Motor Temperat.	2227	Current Sensor Fault
1066	Battery Low	2229	Hard Fault
1080	Forward and backward	2230	Contactator Coil Open
1153	Encoder Error	2248	No CAN Msg.
1175	Speed FB. Error	3037	Contactator Closed
1177	EB. Coil Short	3038	Contactator Open
1178	Motor Temp. Stop	3060	Capacitor Charge
1180	Overload	3062	TH. Protection
1196	Motor Phase Short	3065	Motor Temperat.
1200	Vdc Off Shorted	3066	Battery Low
1202	Vdc Link Overv.	3080	Forward and backward
1207	Motor Phase Open	3153	Encoder Error
1211	Stall Rotor	3175	Speed FB. Error
1212	Parameter Error	3177	EB. Coil Short
1216	EB. Coil Open	3178	Motor Temp. Stop
1218	Sens Mot Temp KO	3180	Overload
1220	Vkey Off Shorted	3196	Motor Phase Short
1223	Contactator Coil Short	3200	Vdc Off Shorted
1227	Current Sensor Fault	3202	Vdc Link Overv.
1229	Hard Fault	3207	Motor Phase Open
1230	Contactator Coil Open	3211	Stall Rotor
1248	No CAN Msg.	3212	Parameter Error
2037	Contactator Closed	3216	EB. Coil Open
2038	Contactator Open	3218	Sens Mot Temp KO
2060	Capacitor Charge	3220	Vkey Off Shorted
2062	TH. Protection	3223	Contactator Coil Short
2065	Motor Temperat.	3227	Current Sensor Fault
2066	Battery Low	3229	Hard Fault
2080	Forward and backward	3230	Contactator Coil Open
2153	Encoder Error	3248	No CAN Msg.
2175	Speed FB. Error	4038	Main Contactator Open
2177	EB. Coil Short	4062	TH. Protection
2178	Motor Temp. Stop	4180	Overload
2180	Overload	4202	Over Voltage Fault
2196	Motor Phase Short	4211	Stall Rotor
2200	Vdc Off Shorted	4220	Low Voltage Fault
2202	Vdc Link Overv.	4229	Hard Fault
2207	Motor Phase Open	5180	Overload
2211	Stall Rotor	5211	Stall Rotor
2212	Parameter Error		

[illegible]

## Parts Introduction

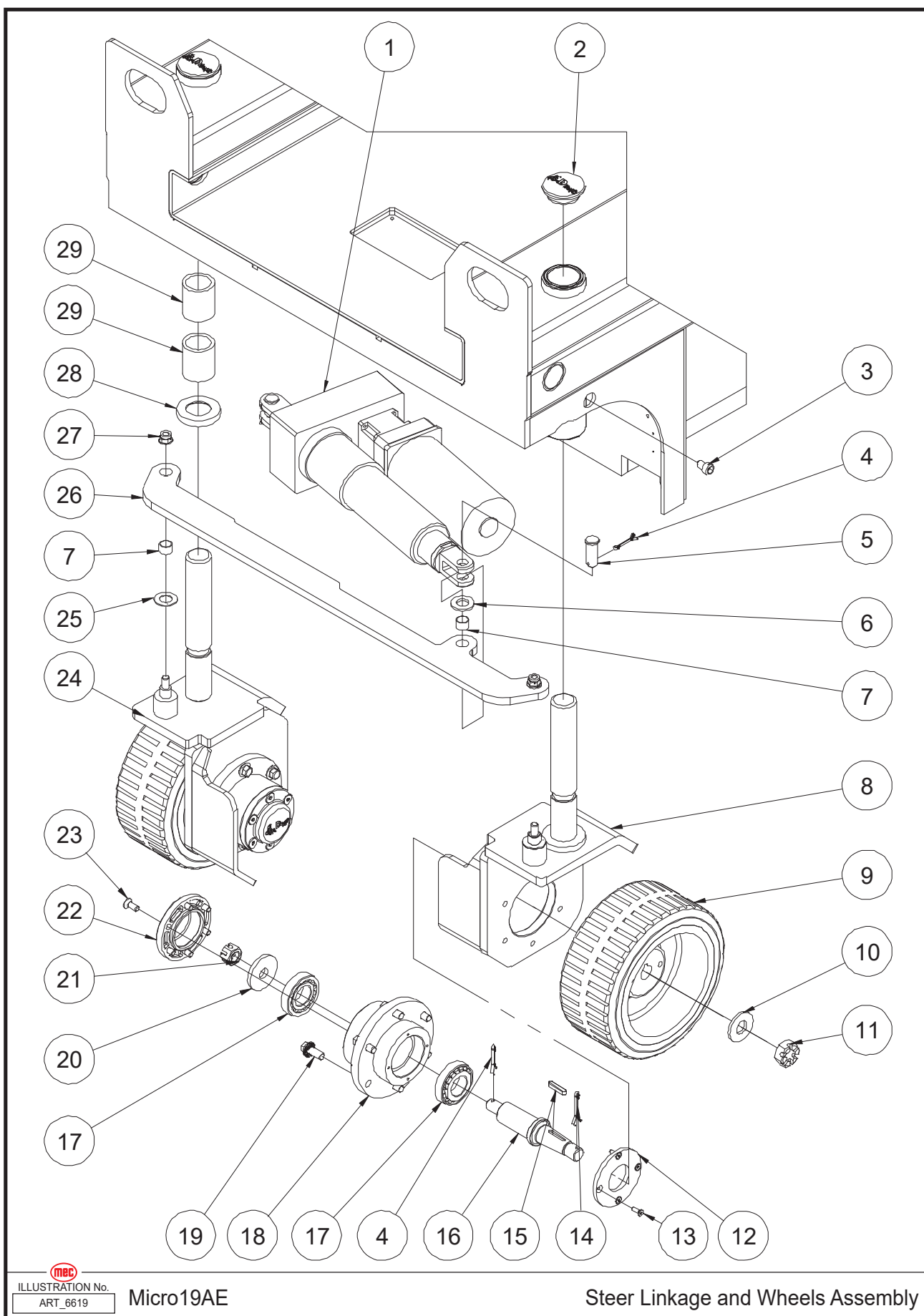
This Parts sections consists of illustrated parts sections and is designed to provide you, the customer, with illustrations and the list of associated parts needed to properly maintain the MEC self-propelled aerial work platform. When used in conjunction with the Service section in this manual and the Operator's Manual (provided separately), this manual will assist you in making necessary adjustments and repairs, and identifying and ordering the correct replacement parts.

All parts represented here are manufactured and supplied in accordance with MEC quality standards.

We recommend that you use genuine MEC parts to ensure proper operation and reliable performance.

To obtain maximum benefits from your MEC Aerial Work Platforms, always follow the proper operating and maintenance procedures. Only trained authorized personnel should be allowed to operate or service this machine. Service personnel should read and study the Operator's, and the Service and Parts Manuals in order to gain a thorough understanding of the unit prior to making any repairs.

# Steer Linkage and Wheels Assembly





Item	Part Number	Description	Qty.
1	45660	Electric Steering Cylinder Unit (EV)	1
--	45661	Electric Steering Cylinder	1
--	45662	Motor	1
2	41596	Cover	2
3	41794	Screw	2
4	41322	Cotter Pin	4
5	41321	Pin	2
6	43564	Washer	2
7	41210	Bearing	4
8	44607	Steer Yoke Weldment	1
9	45265	Wheel	2
10	46739	Washer	2
11	46738	Nut	2
12	41230	Bearing Cover	2
13	53269	Screw CSCS M05-0.80 × 16	8
14	43563	Cotter Pin	2
15	46745	Key	2
16	47526	Wheel Shaft	2
17	41024	Bearing	4
18	41234	Connection Plate	2
19	50429	Screw HHCS M10-1.50 × 25 Serrated Flange	12
20	41327	Washer	2
21	53347	Castle Nut M16-1.50	2
22	41328	Cap	2
23	53282	Screw CSCS M08-1.25 × 20	12
24	44608	Steer Yoke Weldment	1
25	41222	Bearing	2
26	45663	Tie Rod	1
27	50311	Nut NNYL M10-1.50 Flange	2
28	41792	Washer	2
29	41595	Bearing	4

# Drive Wheel Assembly

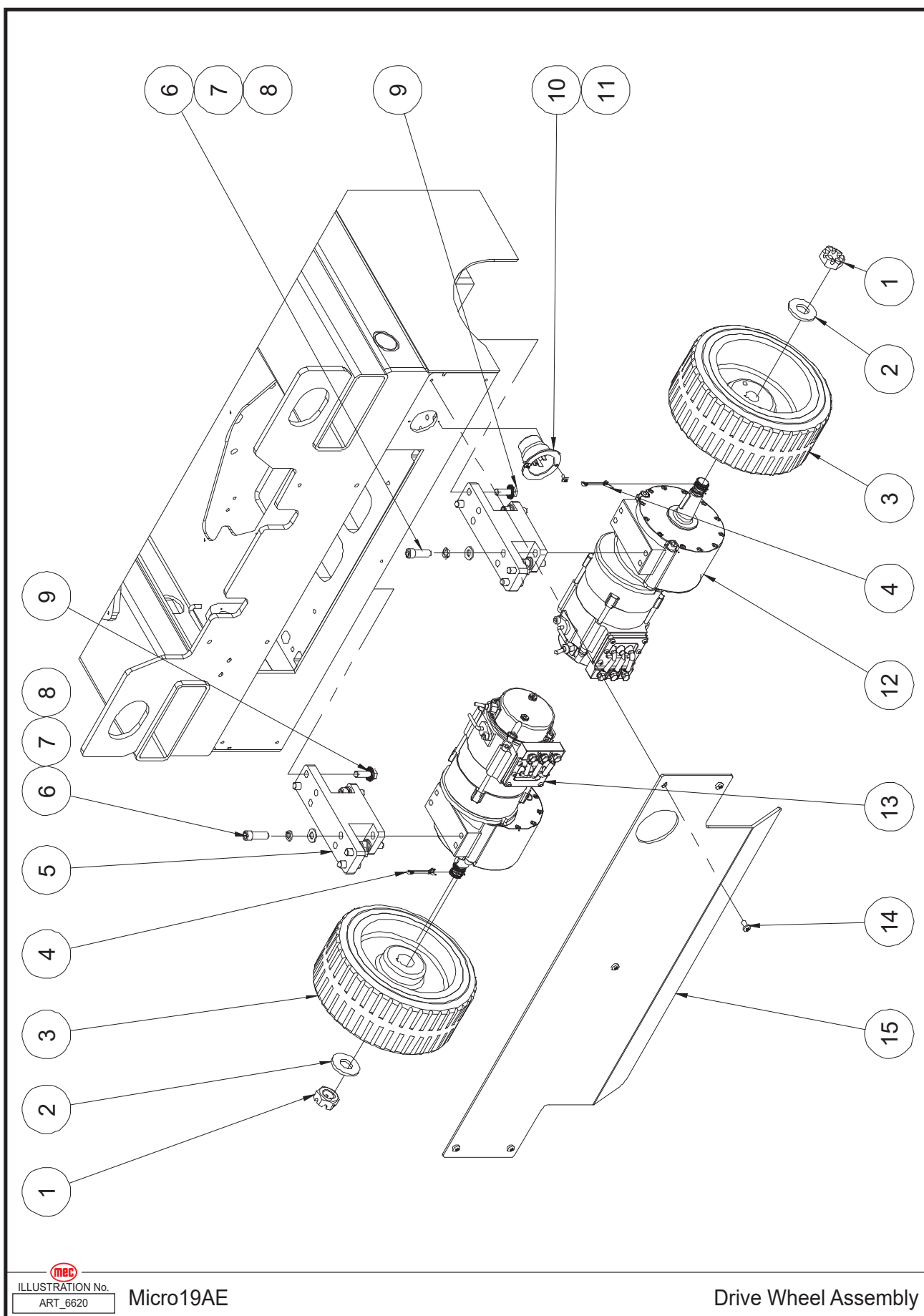


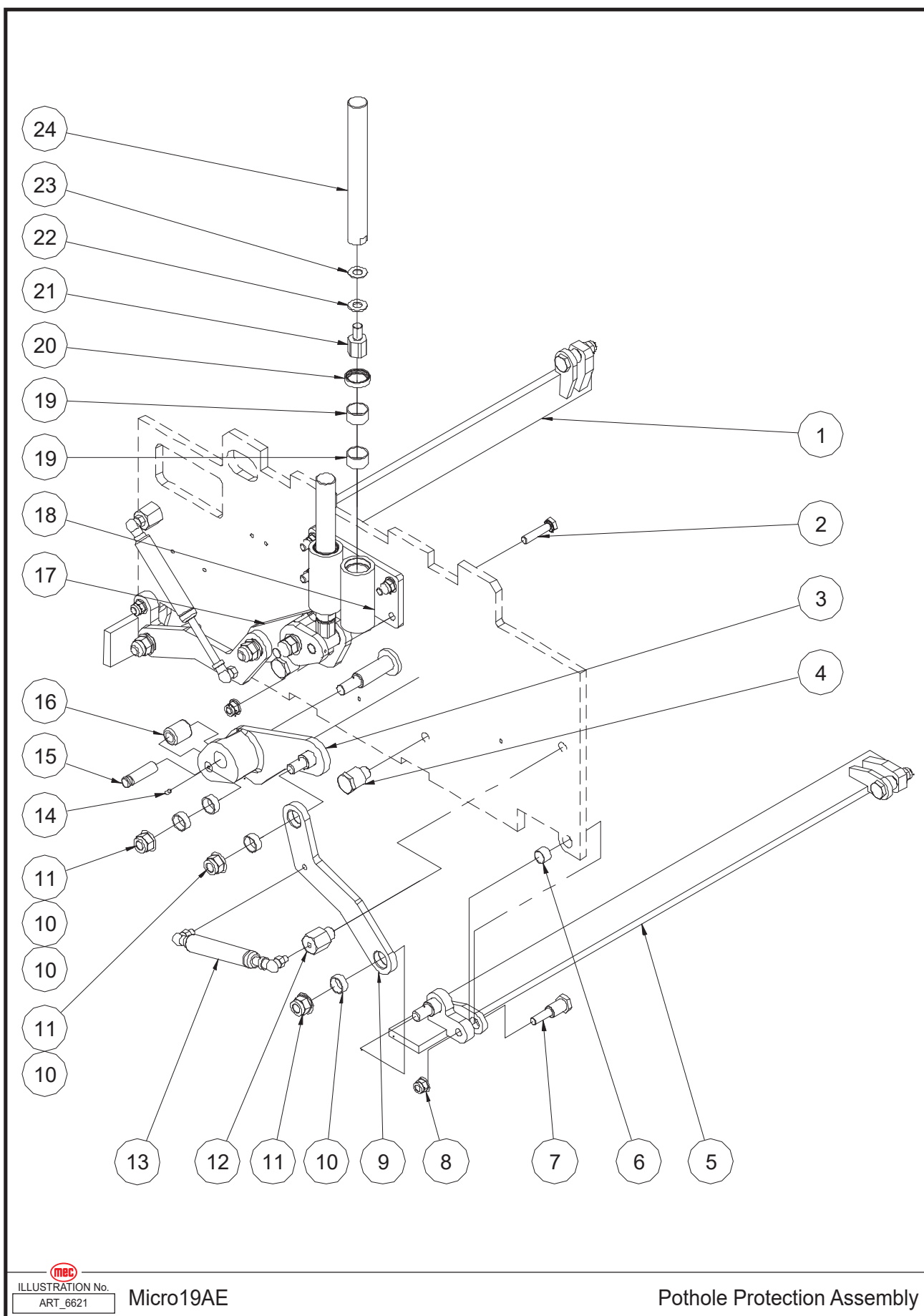
ILLUSTRATION No.  
ART\_6620

Micro19AE

Drive Wheel Assembly

Item	Part Number	Description	Qty.
1	46738	Nut	2
2	46739	Washer	2
3	45265	Wheel	2
4	43563	Cotter Pin	2
5	41239	Support	2
6	53315	Screw SHCS 3/8-24 × 1 1/4	8
7	53054	WSHR M10 Spring Washer	8
8	50002	WSHR M10 Standard Flat Washer	8
9	50429	Screw HHCS M10-1.50 × 25 Serrated Flange	8
10	41575	Plug	1
11	53263	Screw THMS M04-0.70 × 8	2
12	45664	Right Drive Motor Assembly	1
--	45665	Right Motor (With Brake)	1
--	45666	Reducer	1
--	45667	Output Shaft	1
--	45668	Brake	1
--	46745	Key	1
13	45669	Left Drive Motor Assembly	1
--	45670	Left Motor (With Brake)	1
--	45666	Reducer	1
--	45667	Output Shaft	1
--	45668	Brake	1
--	46745	Key	1
14	53318	Screw PHMS M06-1.00 × 12	5
15	48181	Plate	1

# Pothole Protection Assembly



**mec**  
ILLUSTRATION No.  
ART\_6621

Micro19AE

Pothole Protection Assembly

Item	Part Number	Description	Qty.
1	42409	Pothole Guard Weldment	1
2	50430	Screw HHCS M10-1.50 × 45	4
3	41319	Linkage Weldment	1
4	41211	Pin	2
5	42410	Pothole Guard Weldment	1
6	41210	Bearing	4
7	41209	Pin	4
8	50311	Nut NNYL M10-1.50 Flange	8
9	42411	Pothole Link Plate	2
10	41214	Bearing	8
11	53349	Nut NNYL M14-2.00 Flange	6
12	41212	Gas Shock Strut	2
13	41215	Gas Shock	2
14	53283	Set Screw M05-0.80 × 10 Cone Point	2
15	41216	Pin	2
16	41217	Roller	2
17	41320	Linkage Weldment	1
18	44609	Pothole Guide	1
19	41203	Bearing	4
20	44610	Seal	2
21	41204	Pothole Hole Pusher Pin	2
22	44007	Adjusting Washer 2	2
23	44008	Adjusting Washer 3	2
24	44611	Pothole Hole Pusher Rod	2

# Battery Pack Module

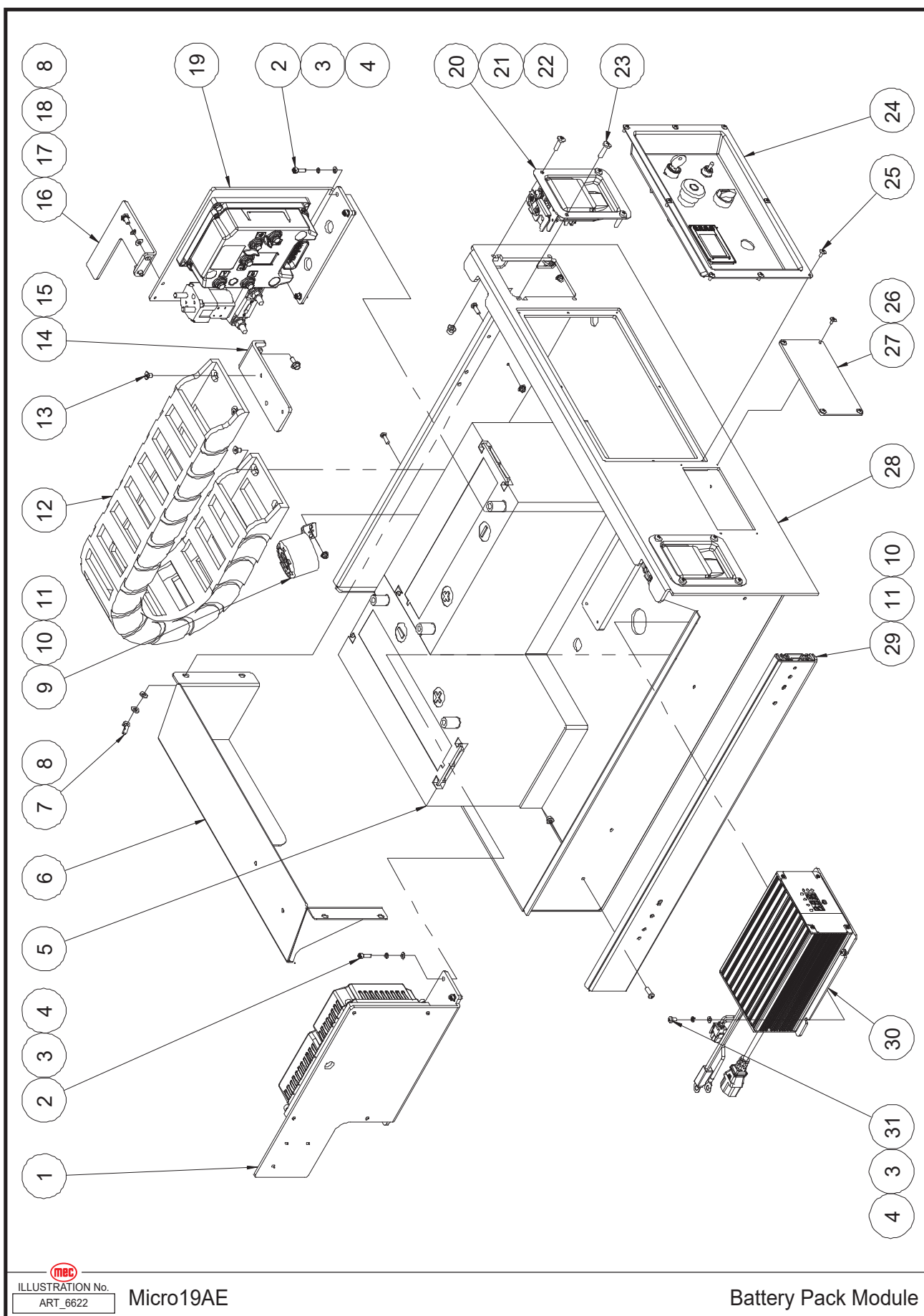


ILLUSTRATION No.  
ART\_6622

Micro19AE

Battery Pack Module

Item	Part Number	Description	Qty.
1	REF	Motor Controller Assembly 2 (Refer to page 44)	1
2	50359	Screw SHCS M05-0.80 × 16	8
3	53043	WSHR M05 Spring Washer	14
4	53038	WSHR M05 Standard Flat Washer	14
5	44019	Battery	2
6	42491	Water Diverter Cover	1
7	53350	Wing Nut M06-1.00	4
8	50000	WSHR M06 Standard Flat Washer	11
9	41074	Alarm	1
10	53281	Nut NNYL M05-0.80 Flange	8
11	53351	Screw	8
12	45671	Towline	1
13	53352	Screw CSCS M06-1.00 × 10	4
14	45672	Towline Bracket	1
15	53273	Screw HHCS M06-1.00 × 14 Serrated Flange	2
16	46751	Press Plate	1
17	53104	Screw HHCS M06-1.00 × 12	2
18	53046	WSHR M06 Spring Washer	7
19	REF	Motor Controller Assembly (Refer to page 46)	1
20	43977	Latch	2
21	53264	Screw PHMS M06-1.00 × 20	4
22	50568	Nut NNYL M06-1.00 Flange	8
23	53353	Screw PHMS M06-1.00 × 25	4
24	REF	Ground Control Assembly (Refer to page 48)	1
25	53348	Screw THMS M04-0.70 × 10	8
26	53263	Screw THMS M04-0.70 × 8	4
27	44612	Cover	1
28	45673	Battery Tray Weldment	1
29	41255	Glide Track	2
30	42904	Charger	1
31	53222	Screw PHMS M05-0.80 × 8	6

REF – Reference

## Motor Controller Assembly 2

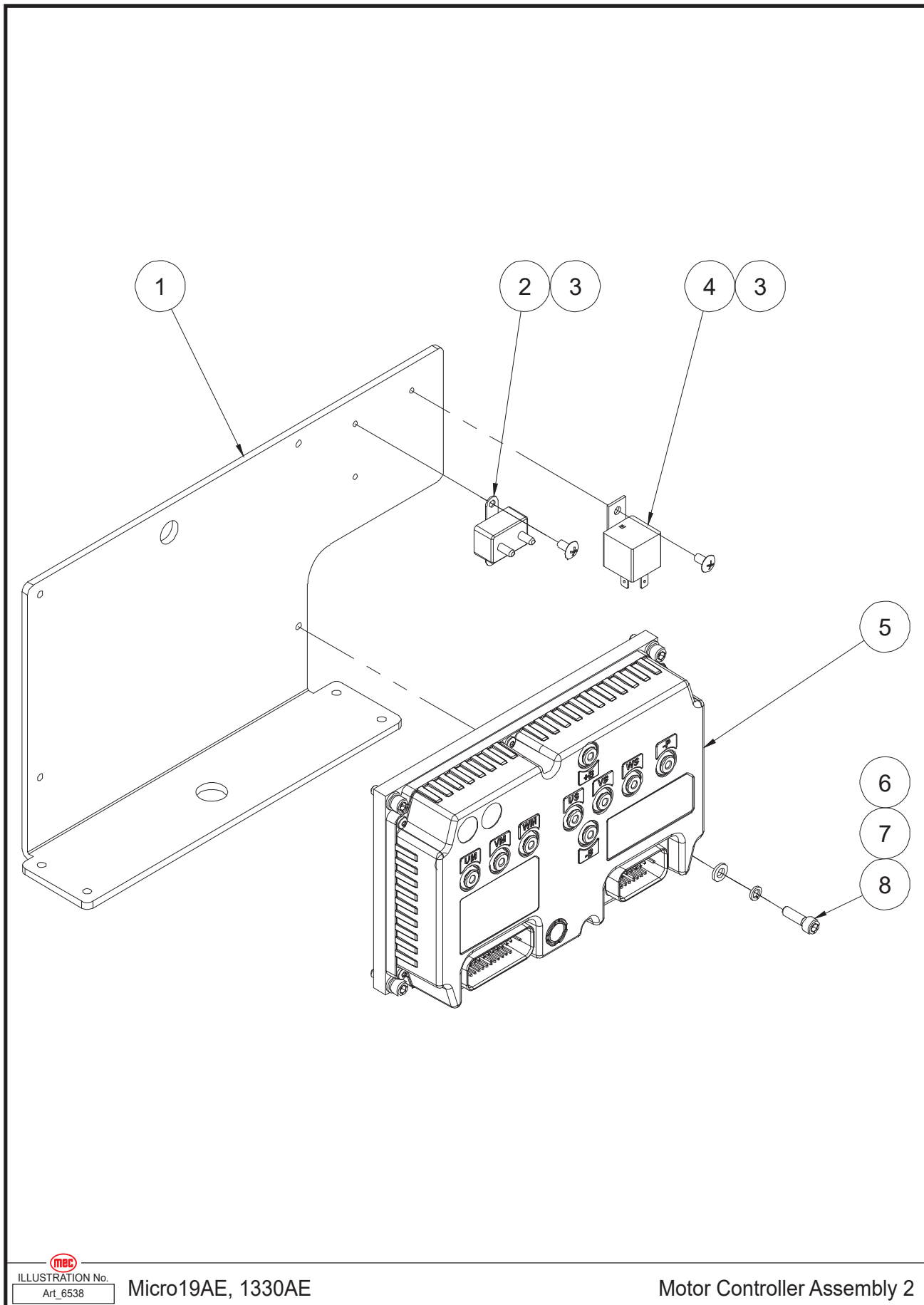


ILLUSTRATION No.  
Art\_6538

Micro19AE, 1330AE

Motor Controller Assembly 2



Item	Part Number	Description	Qty.
1	45674	Mounting Plate 2	1
2	44689	Circuit Breaker	1
3	53265	Screw THMS M05-0.80 × 10	3
4	41334	Relay	1
5	45675	Motor Controller	1
6	50000	WSHR M06 Standard Flat Washer	4
7	53046	WSHR M06 Spring Washer	4
8	53124	Screw SHCS M06-1.00 × 20	4

# Motor Controller Assembly 1

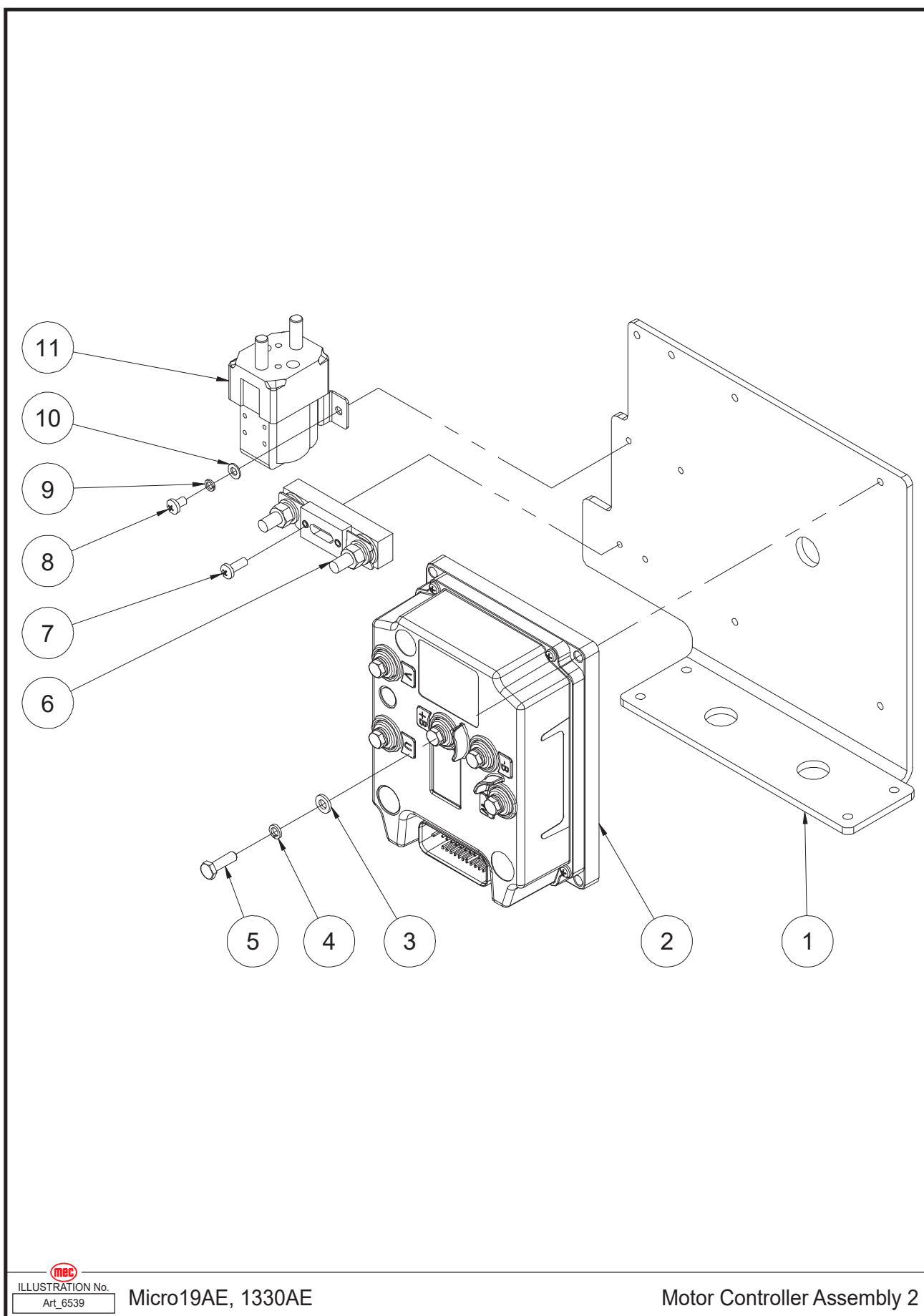


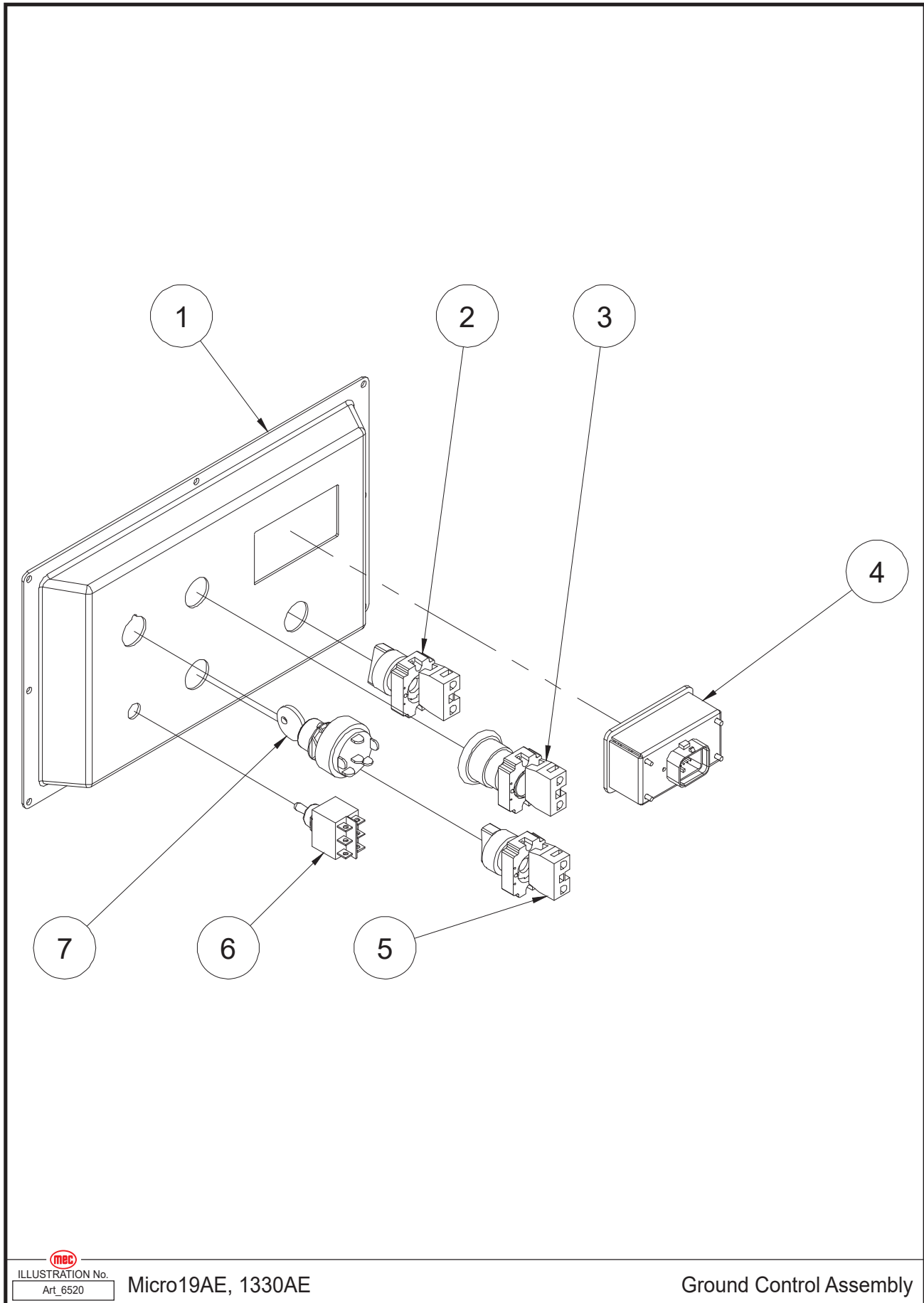
ILLUSTRATION No.  
Art\_6539

Micro19AE, 1330AE

Motor Controller Assembly 2

Item	Part Number	Description	Qty.
1	45676	Mounting Plate 1	1
2	45677	Motor Controller	1
3	50000	WSHR M06 Standard Flat Washer	6
4	53046	WSHR M06 Spring Washer	6
5	50028	Screw HHCS M06-1.00 × 20	4
6	42432	200A Fuse Assembly	1
--	44014	200A Fuse	1
--	41092	Fuse Seat	1
7	53355	Screw PHMS M05-0.80 × 14	2
8	53222	Screw PHMS M05-0.80 × 8	2
9	53043	WSHR M05 Spring Washer	2
10	53038	WSHR M05 Standard Flat Washer	2
11	41331	DC Contactor	1

## Ground Control Assembly



Item	Part Number	Description	Qty.
1	45678	Ground Control Panel Weldment	1
2	46755	Select Switch	1
--	43993	Select Switch Head	1
--	43097	Base with 1 NC Contact	1
3	41422	Emergency Stop Switch	1
--	43098	Red Mushroom Head	1
--	43097	Base with 1 NC Contact	1
4	46583	Display	1
5	46582	Select Switch	1
--	48156	Select Switch Head	1
--	43994	Base with 1 NO Contact	1
6	41419	Toggle Switch	1
7	41418	Key Switch	1
--	91574	Key	1

# Ladder and Accessories

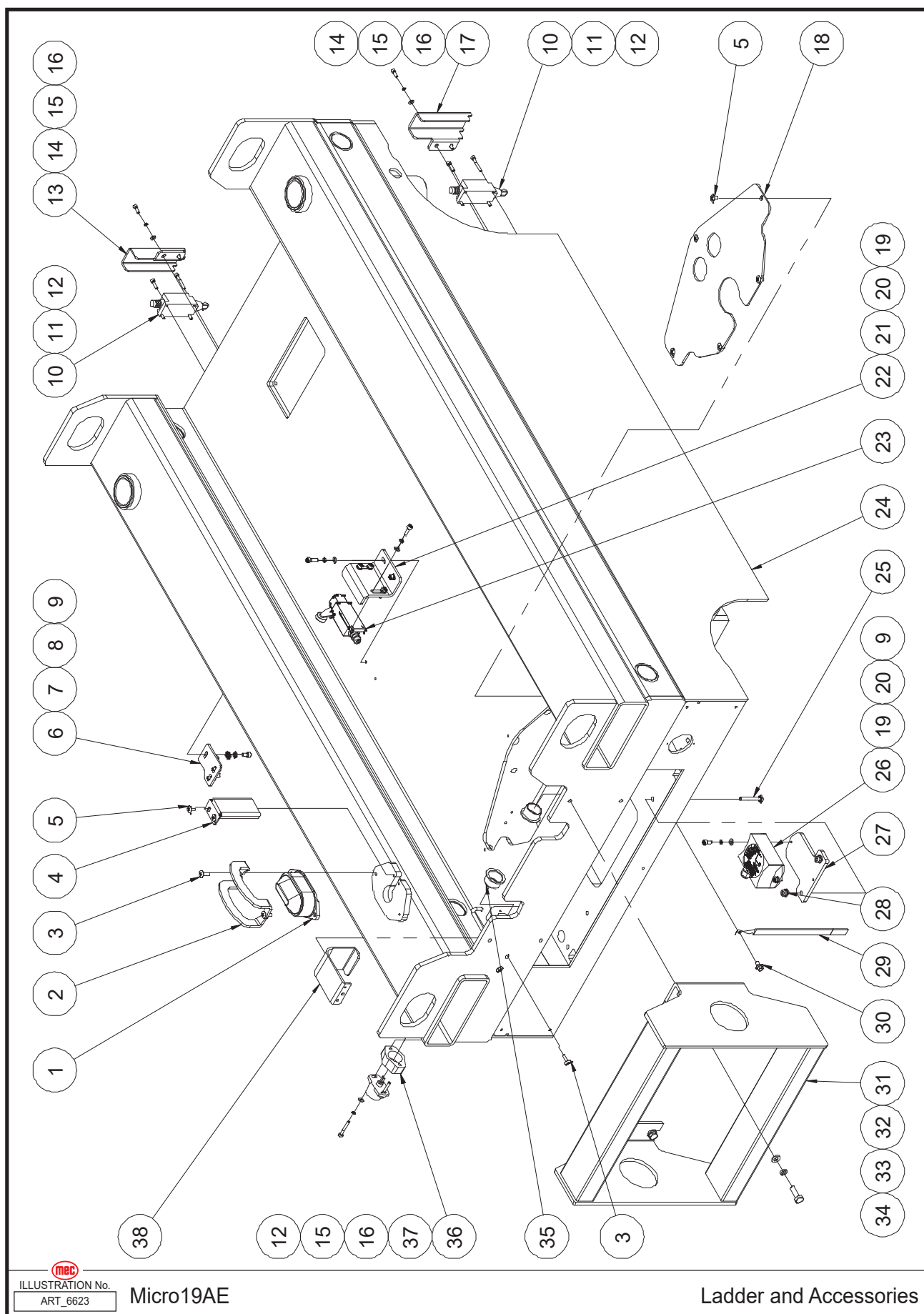


ILLUSTRATION No.  
ART\_6623

Micro19AE

Ladder and Accessories

Item	Part Number	Description	Qty.
1	46264	Beacon	1
2	41309	Beacon Cover	1
3	53223	Screw THMS M05-0.80 × 16	4
4	44613	Baffle Plate	1
5	53265	Screw THMS M05-0.80 × 10	7
6	43978	Lock Clasp	2
7	53426	WSHR M05 Serrated Lock Washer External Teeth	6
8	53425	WSHR M05 Serrated Lock Washer Internal Teeth	6
9	53173	Screw SHCS M05-0.80 × 10	8
10	41197	Limit Switch	2
11	53113	Screw SHCS M04-0.70 × 16	4
12	53065	Screw SHCS M04-0.70 × 30	6
13	41315	Switch Cover	1
14	50423	Screw SHCS M04-0.70 × 12	4
15	53062	WSHR M04 Spring Washer	6
16	50284	WSHR M04 Standard Flat Washer	6
17	41198	Switch Cover	1
18	42401	Cover	1
19	53038	WSHR M05 Standard Flat Washer	8
20	53043	WSHR M05 Spring Washer	8
21	50359	Screw SHCS M05-0.80 × 16	6
22	46587	Switch Bracket	1
23	42074	Limit Switch	1
24	45679	Frame Weldment	1
25	50289	Screw HHCS M06-1.00 × 40	2
26	41098	Tilt Sensor	1
27	42403	Sensor Bracket	1
28	50568	Nut NNYL M06-1.00 Flange	2
29	41003	Ground Strap	1
30	53260	Screw HHCS M06-1.00 × 10 Serrated Flange	1
31	44615	Ladder	1
32	50001	WSHR M08 Standard Flat Washer	4
33	53055	WSHR M08 Spring Washer	4
34	50031	Screw HHCS M08-1.25 × 25	4
35	41257	Bearing	2
36	41194	Sensor Bracket	1
37	41195	Rotary Sensor	1
38	44616	Cover	1

# Scissor Assembly

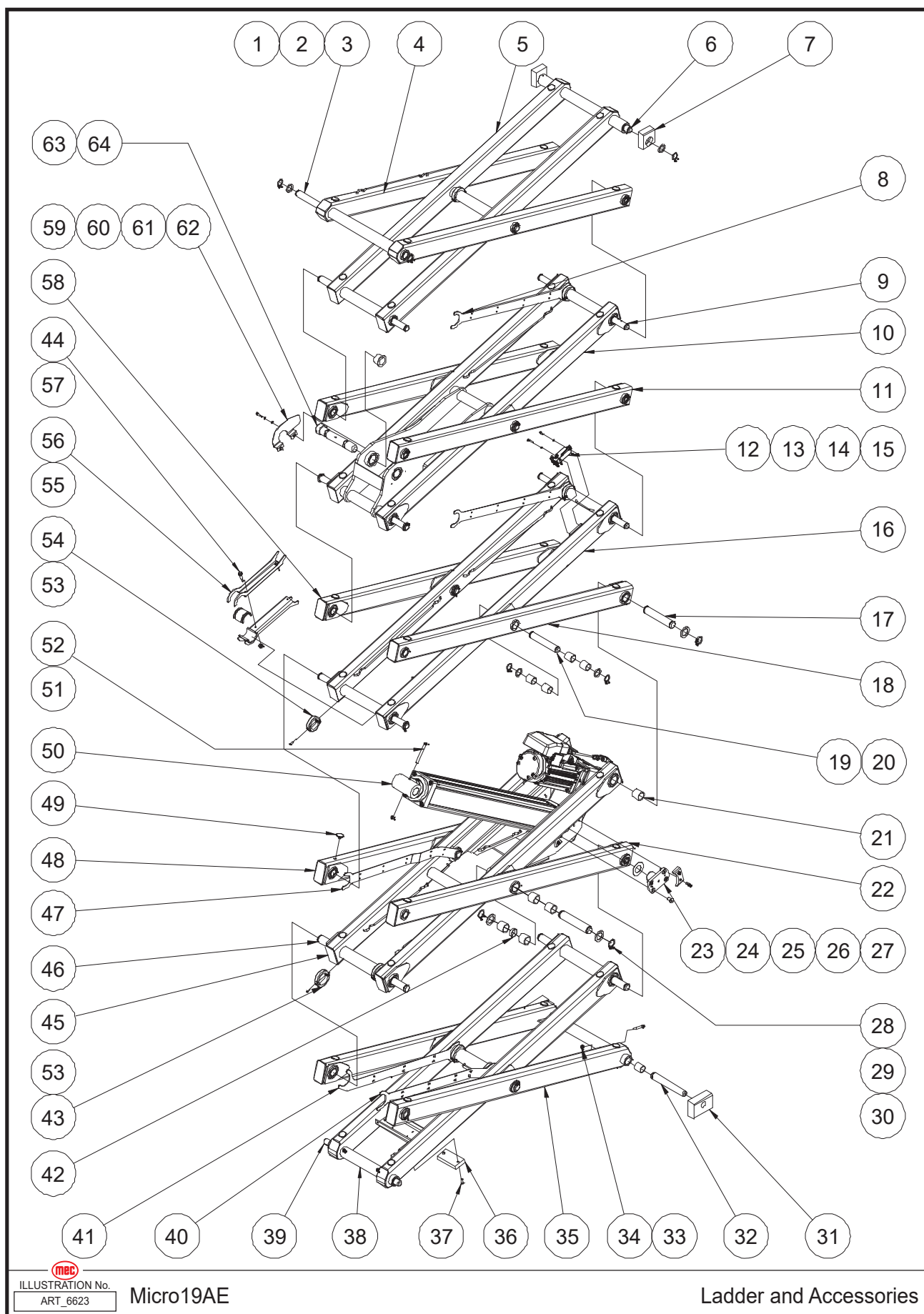


ILLUSTRATION No.  
ART\_6623

Micro19AE

Ladder and Accessories



Item	Part Number	Description	Qty.
1	42437	Circlips	22
2	41354	Washer	22
3	42457	Pin	1
4	45679	Outer Arm 5	1
5	45681	Inner Arm 5	1
6	41576	Pin	1
7	41256	Platform Slider	2
8	42442	Cable Bridge	2
9	41577	Pin	7
10	45682	Inner Arm 4	1
11	45683	Outer Arm 3	2
12	42074	Limit Switch	1
13	50423	Screw SHCS M04-0.70 × 12	2
14	53115	Screw SHCS M04-0.70 × 25	2
15	53062	WSHR M04 Spring Washer	4
16	45684	Inner Arm 3	1
17	45685	Pin	2
18	45686	Outer Arm 3 Right	1
19	41349	Pin	2
20	45687	Bearing	58
21	45688	Bearing	34
22	45689	Outer Arm 2 Right	1
23	45690	Pin	2
24	53392	Screw CSCS M10-1.50 × 20	8
25	53380	Screw SHCS M06-1.00 × 12	8
26	45691	Guide Block	4
27	45692	Washer	1
28	45693	Washer	14
29	45694	Pin	2
30	45695	Washer 2	13
31	44801	Chassis Slider	2
32	41338	Pin	2
33	53357	Screw HHCS M06-1.00 × 55 Flange	4
34	50568	Nut NNYL M06-1.00 Flange	4
35	45696	Outer Arm 1	1
36	41350	Pothole Pusher	1
37	50386	Screw CSCS M06-1.00 × 25	2
38	45697	Inner Arm 1	1
39	41258	Pin	1
40	45698	Cable Bridge 4	1
41	45699	Cable Bridge 5	1
42	45731	Bearing	2
43	44884	Collar 2	4
44	53270	Screw HHCS M08-1.25 × 25 Serrated Flange	2

45	45732	Inner Arm 2	1
46	45733	Pin	3
47	45734	Cable Bridge 3	1
48	45735	Outer Arm 2 Left	1
49	45736	Block	40
50	REF	Electric Cylinder Assembly (Refer to page 56 for HL-brand , and page 58 for EV-brand)	1
51	50048	Nut NNYL M08-1.25	1
52	50018	Screw HHCS M08-1.25 × 80	1
53	53269	Screw CSCS M05-0.80 × 16	8
54	44050	Collar 3	4
55	41262	Safety Arm Bushing	2
56	45737	Safety Arm	2
57	50313	Nut NNYL M08-1.25 Flange	2
58	45738	Outer Arm 3 Left	1
59	50359	Screw SHCS M05-0.80 × 16	2
60	53043	WSHR M05 Spring Washer	2
61	53038	WSHR M05 Standard Flat Washer	2
62	45739	Harness Cover	1
63	45740	Bearing	2

**Make sure to confirm the Electric Lift Cylinder brand before ordering replacement parts!  
HL-brand and EV-brand electric cylinder components are not interchangeable!**

REF – Reference

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK.



Item	Part Number	Description	Qty.
1	45741	Electric Cylinder Unit (HL)	1
--	45742	Electric Cylinder	1
--	45743	Reducer	1
--	45744	Motor	1
2	42466	Screw	1
3	50000	WSHR M06 Standard Flat Washer	2
4	53361	Nut NHEX M06-1.00	1
5	53265	Screw THMS M05-0.80 × 10	3
6	47816	Motor Cover	1
7	53380	Screw SHCS M06-1.00 × 12	1
8	45745	Clamp	1
9	46623	Clamp	1
10	53171	Screw SHCS M05-0.80 × 30	2
11	45746	Emergency Down Cable Assembly	1
12	43367	Lowering Knob	1

**Make sure to confirm the Electric Lift Cylinder brand before ordering replacement parts!  
HL-brand and EV-brand electric cylinder components are not interchangeable!**

# Electric Cylinder Assembly, EV

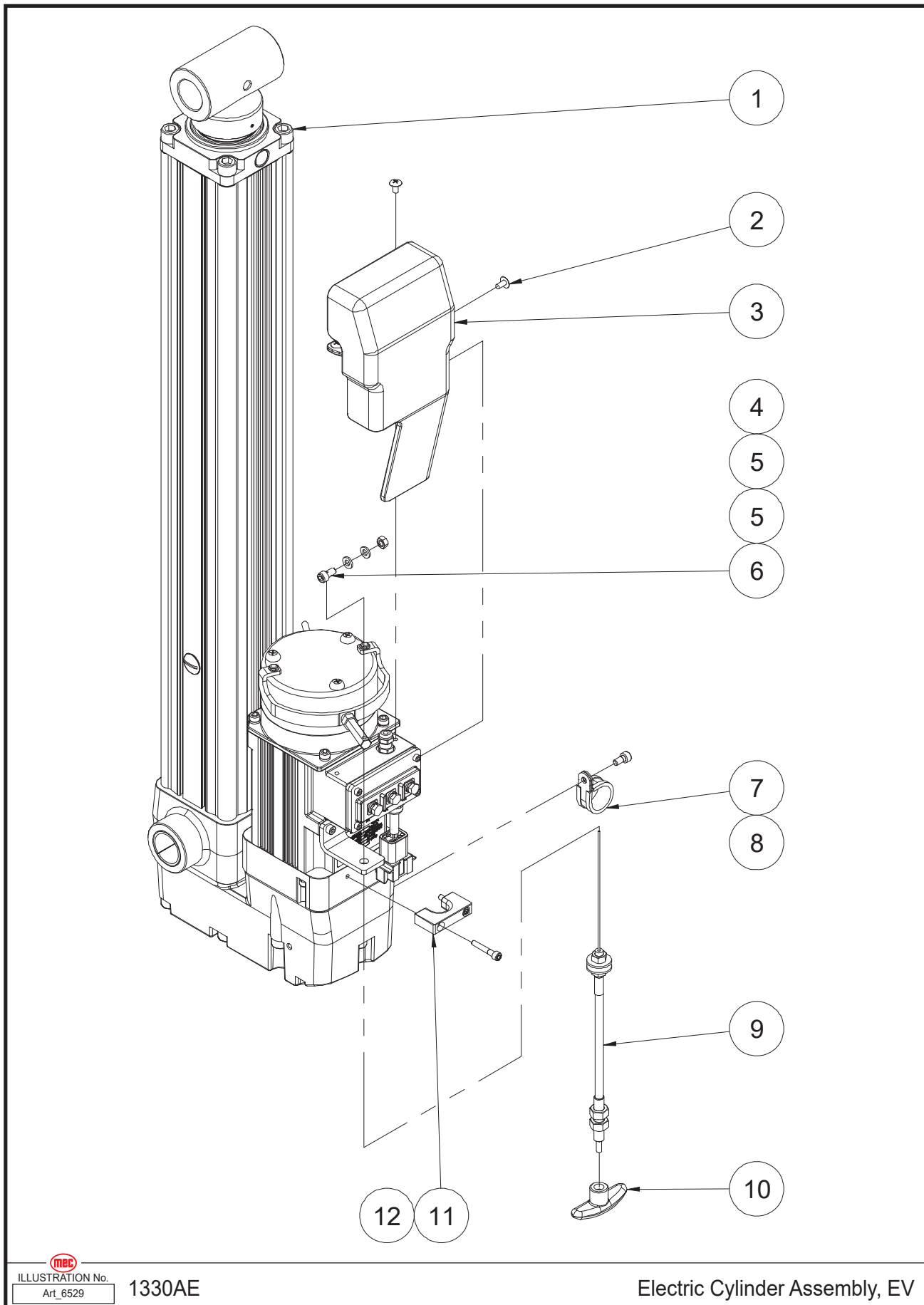


ILLUSTRATION No.  
Art\_6529

1330AE

Electric Cylinder Assembly, EV

Item	Part Number	Description	Qty.
1	45747	Electric Cylinder Unit (EV)	1
--	45748	Electric Cylinder	1
--	45749	Reducer	1
--	45750	Motor	1
2	53265	Screw THMS M05-0.80 × 10	3
3	47816	Motor Cover	1
4	42466	Screw	1
5	50000	WSHR M06 Standard Flat Washer	2
6	53361	Nut NHEX M06-1.00	1
7	53380	Screw SHCS M06-1.00 × 12	1
8	45745	Clamp 25	1
9	45746	Emergency Down Cable Assembly	1
10	43367	Lowering Knob	1
11	46623	Clamp	1
12	53171	Screw SHCS M05-0.80 × 30	2

**Make sure to confirm the Electric Lift Cylinder brand before ordering replacement parts!  
HL-brand and EV-brand electric cylinder components are not interchangeable!**

# Main Platform Assembly

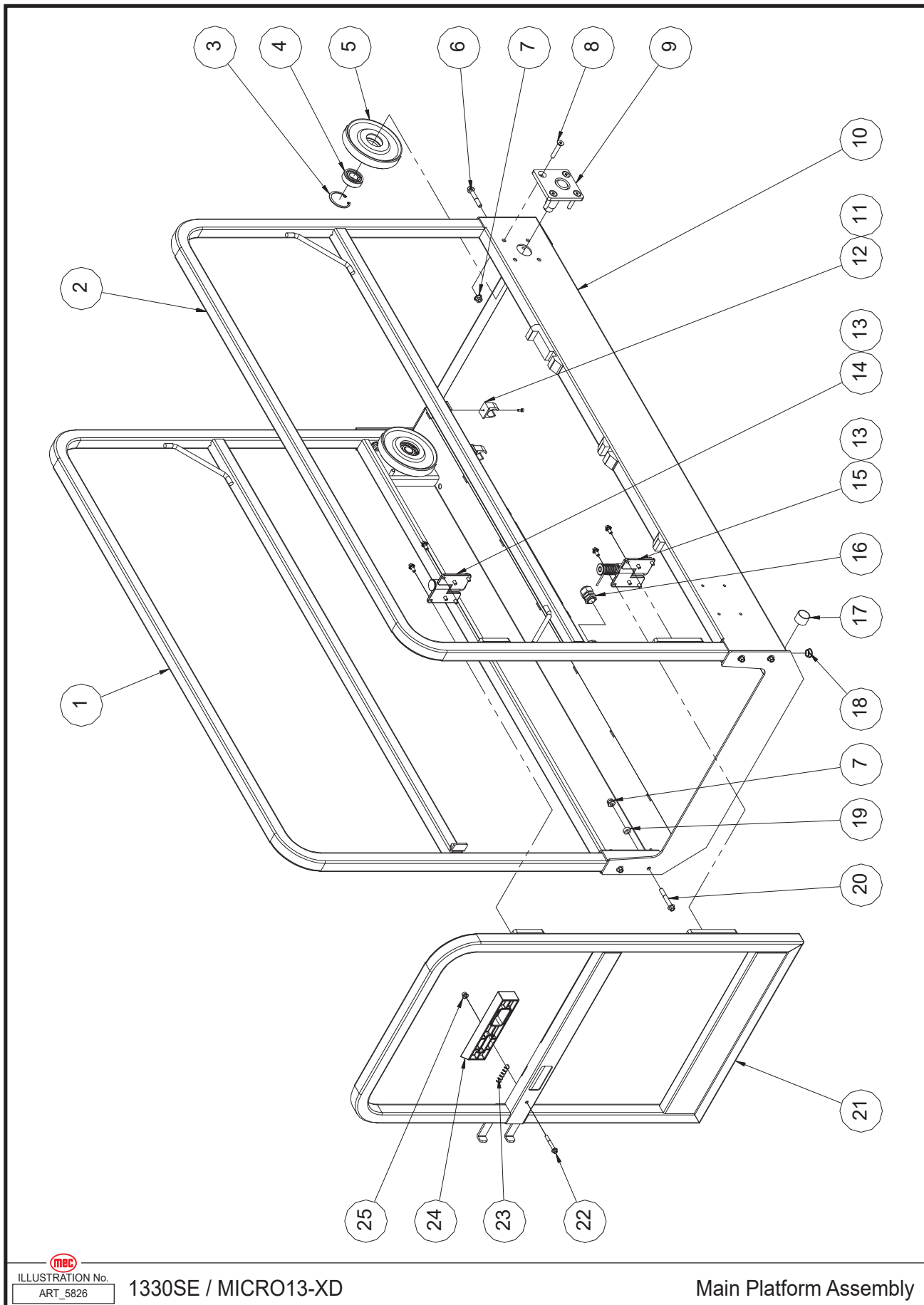


ILLUSTRATION No.  
ART\_5826

1330SE / MICRO13-XD

Main Platform Assembly



Item	Part Number	Description	Qty.
1	44810	Left Main Rail	1
2	44811	Right Main Rail	1
3	43618	Circlips	2
4	41131	Bearing	2
5	41269	Roller	2
6	53358	Screw HHCS M08-1.25 × 50 Flange	4
7	50313	Nut NNYL M08-1.25 Flange	8
8	53275	Screw CSCS M08-1.25 × 45	8
9	41360	Roller Bracket	2
10	42461	Main Deck Weldment	1
11	53276	Screw PHMS M04-0.70 × 8	2
12	41134	Clip 24	2
13	53273	Screw HHCS M06-1.00 × 14 Serrated Flange	12
14	41127	Hinge A	1
15	41128	Hinge B	1
16	41273	Water-Proof Joint	1
17	41046	Bearing	2
18	41275	Sheath	1
19	42462	Washer	4
20	53359	Screw HHCS M08-1.25 × 55 Flange	4
21	44584	Entry Gate	1
22	53360	Screw HHCS M06-1.00 × 45 Flange	1
23	41277	Spring	1
24	41278	Latch Handle	1
25	50568	Nut NNYL M06-1.00 Flange	1

# Platform Extension Assembly

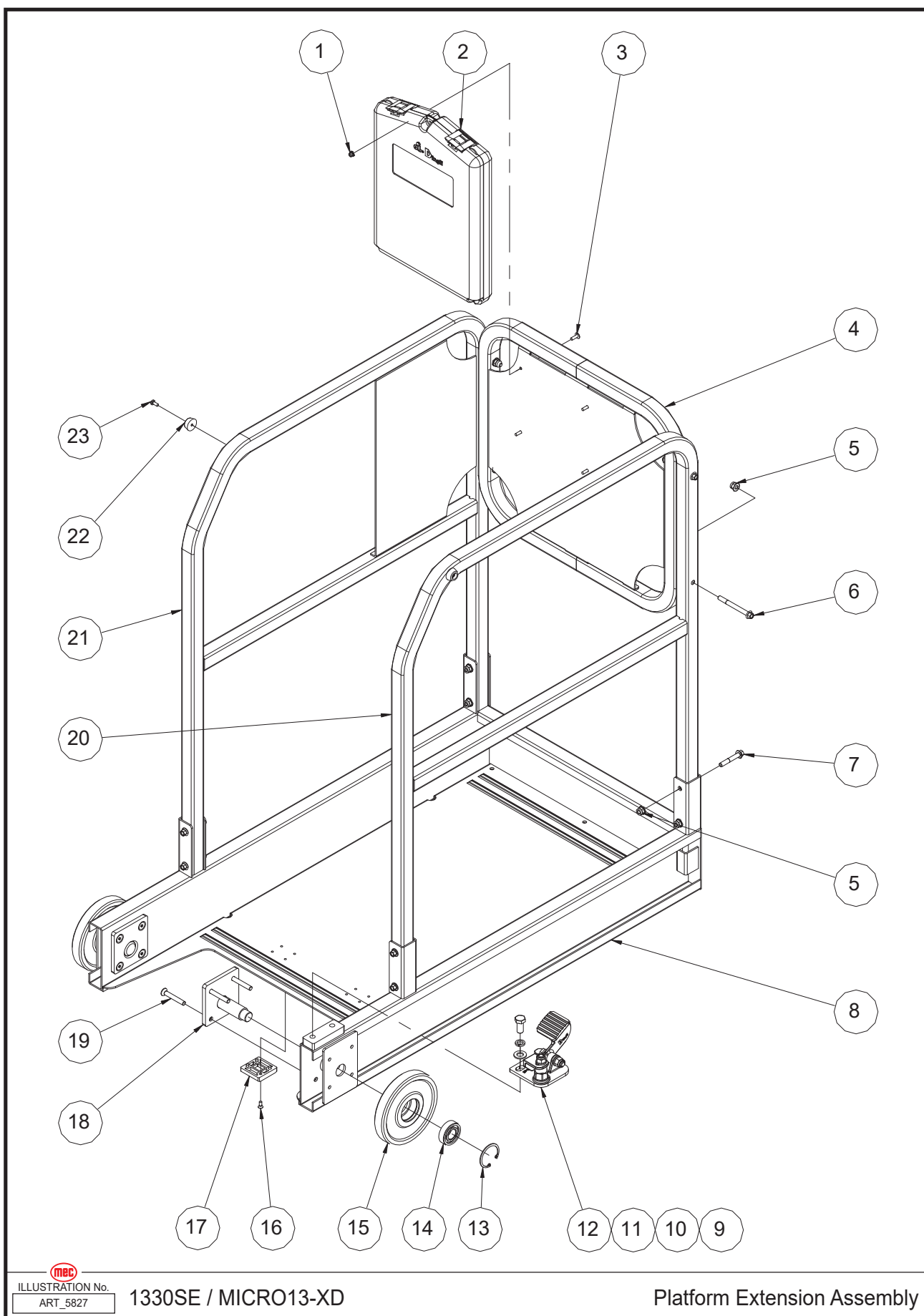


ILLUSTRATION No.  
ART\_5827

1330SE / MICRO13-XD

Platform Extension Assembly

Item	Part Number	Description	Qty.
1	53281	Nut NNYL M05-0.80 Flange	4
2	43319	Manual Box	1
3	53223	Screw THMS M05-0.80 × 16	4
4	41283	Front Rail	1
5	50313	Nut NNYL M08-1.25 Flange	12
6	53409	Screw HHCS M08-1.25 × 80 Flange	4
7	53358	Screw HHCS M08-1.25 × 50 Flange	8
8	44586	Extension Deck Weldment	1
9	50038	Screw HHCS M12-1.75 × 25	2
10	53148	WSHR M12 Spring Washer	2
11	50003	WSHR M12 Standard Flat Washer	2
12	REF	Platform Locking Device Assembly (Refer to page 64)	1
13	43618	Circlips	2
14	41131	Bearing	2
15	41141	Roller 2	2
16	53279	Screw CSCS M05-0.80 × 12	8
17	41284	Slide Pad	2
18	41360	Roller Bracket	2
19	53280	Screw CSCS M08-1.25 × 55	8
20	44812	Right Extension Rail	1
21	44800	Left Extension Rail	1
22	41120	Bumper	2
23	53378	Screw PHMS M05-0.80 × 12	2

REF – Reference

# Platform Locking Device Assembly

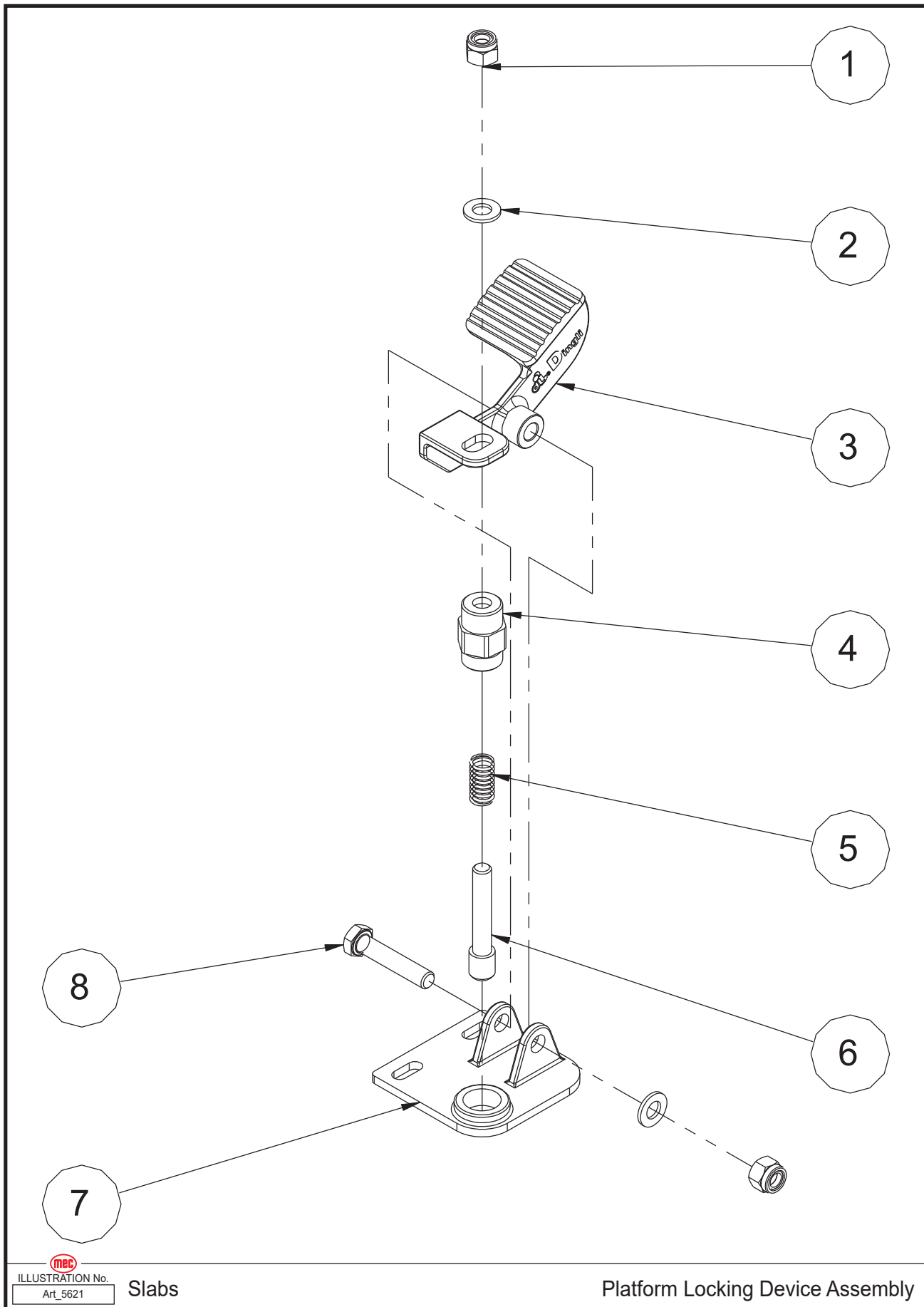


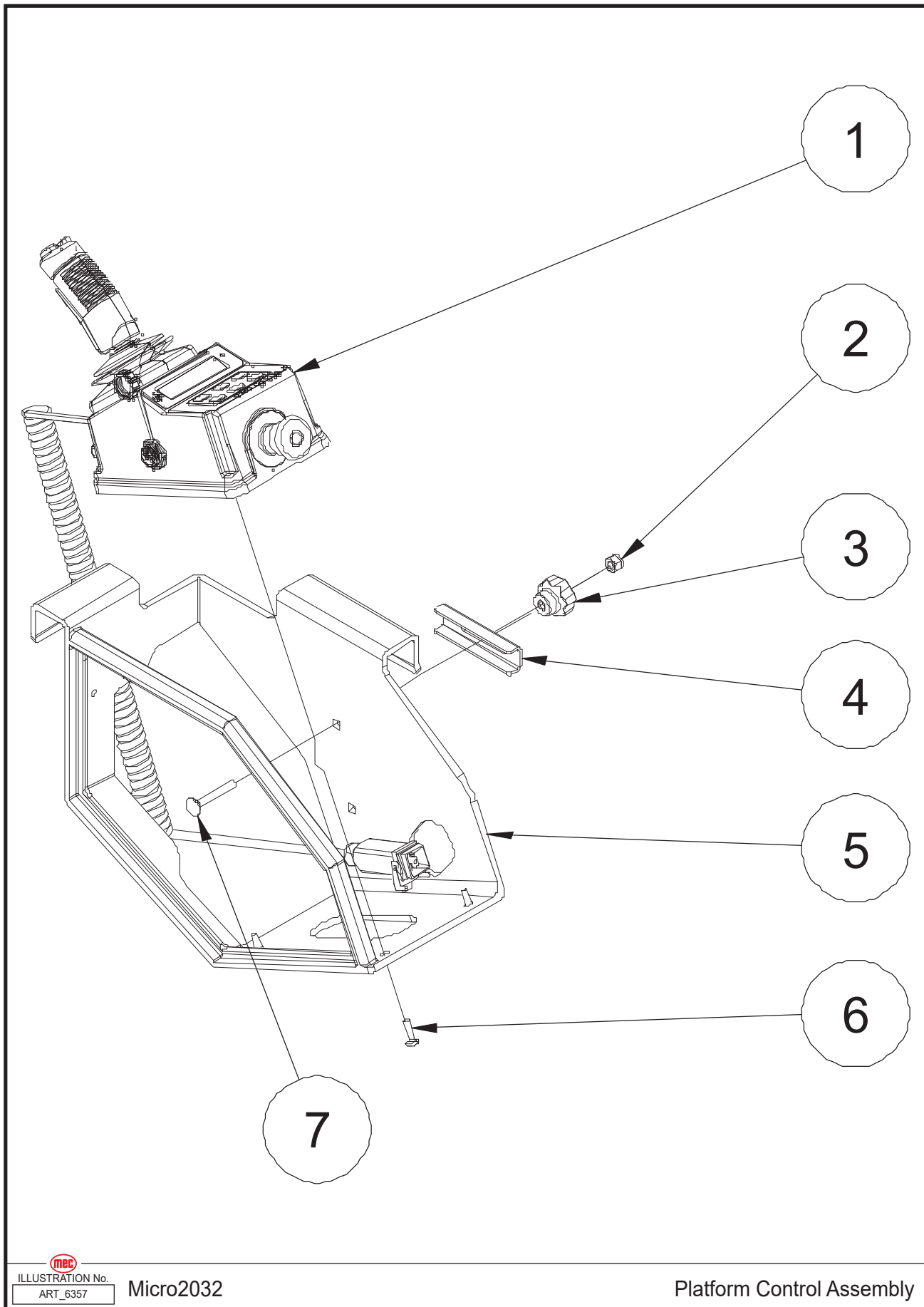
ILLUSTRATION No.  
Art\_5621

Slabs

Platform Locking Device Assembly

Item	Part Number	Description	Qty.
--	44599	Platform Locking Device Assembly	1
1	50049	Nut NNYL M10 × 1.50	2
2	50002	WSHR M10 Standard Flat Washer	2
3	41143	Foot Pedal	1
4	41144	Lock Pin Housing	1
5	41145	Spring	1
6	41146	Lock Pin	1
7	44767	Bracket	1
8	50020	Screw HHCS M10-1.50 × 50	1

## Platform Control Assembly



Item	Part Number	Description	Qty.
1	REF	Platform Control Box Assembly (Refer to page 68)	1
2	50048	Nut NNYL M08-1.25	1
3	42501	Handle	1
4	42500	Locating Plate	1
5	42499	Platform Control Box Mount Bracket	1
6	53231	Screw PHMS M06-1.00 × 16	4
7	53248	Screw CARB M08-1.25 × 45	1

REF – Reference

# Platform Control Box Assembly

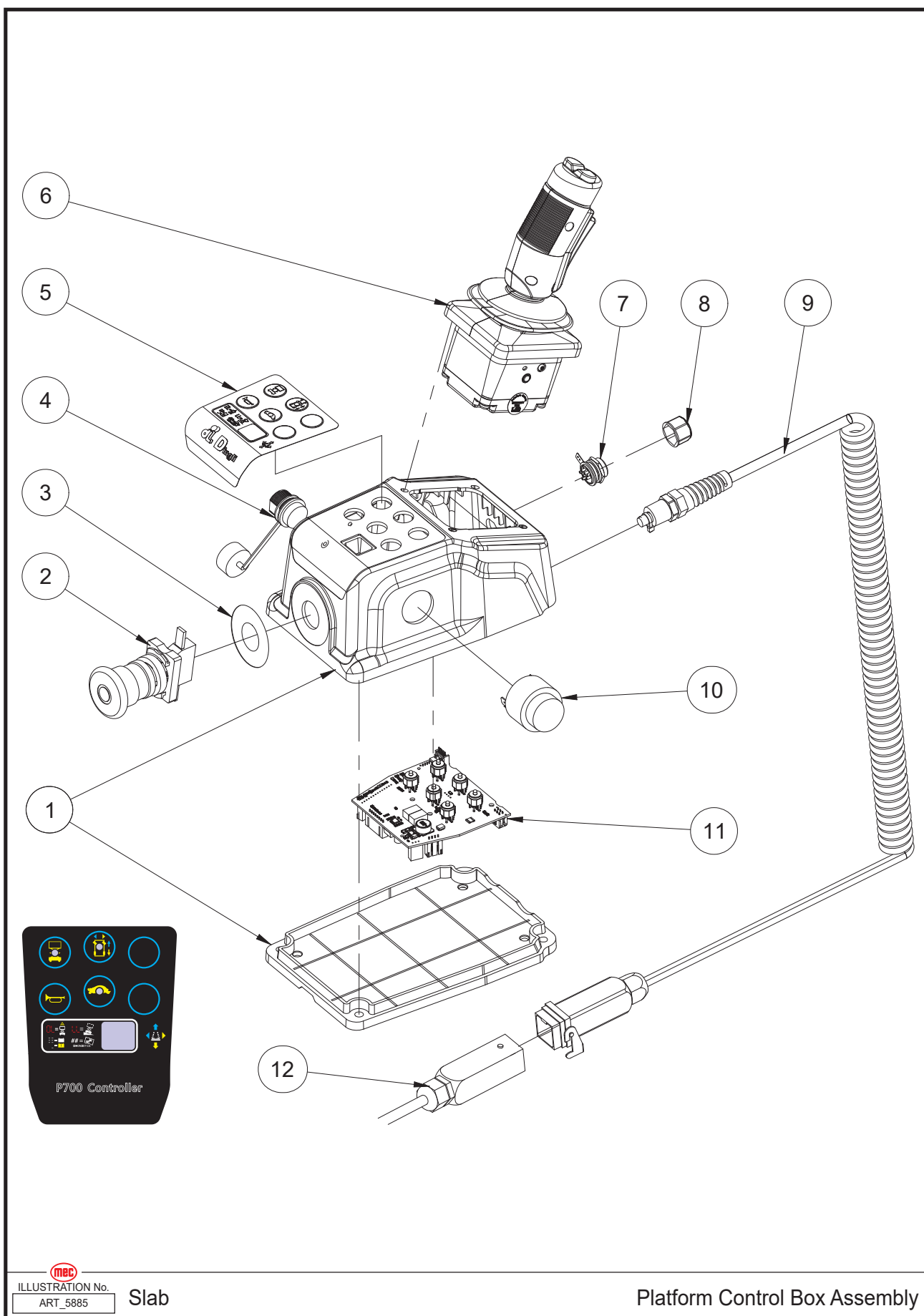


ILLUSTRATION No.  
ART\_5885

Slab

Platform Control Box Assembly



Item	Part Number	Description	Qty.
--	46315	Platform Control Box Assembly	1
1	44768	Shell Components	1
2	41157	Emergency Stop Switch	1
--	43632	Red Mushroom Head	1
--	43633	Base with 1 NO Contact	1
3	42915	Decal, Emergency Stop Panel	1
4	44769	USB Cable	1
5	44797	Decal, Platform Control Panel	1
6	46289	Joystick	1
--	43621	Function Enable Switch	1
--	46290	Joystick Cover	1
--	43622	Joystick Steer Switch	1
--	43623	Switch Boot	1
7	44770	Connector	1
8	44771	Connector Cap	1
9	44772	Coil Cord	1
--	44773	Hood	1
--	44774	Female Insert	1
--	44775	Female Contacts	5
--	43627	Cable Gland	1
10	41568	Alarm	1
11	44776	PCU Main Board	1
12	45751	Platform Control Box Harness	1
--	44778	Housing	1
--	44779	Male Insert	1
--	44780	Male Contacts	5
--	43627	Cable Gland	1

# Electrical Harness

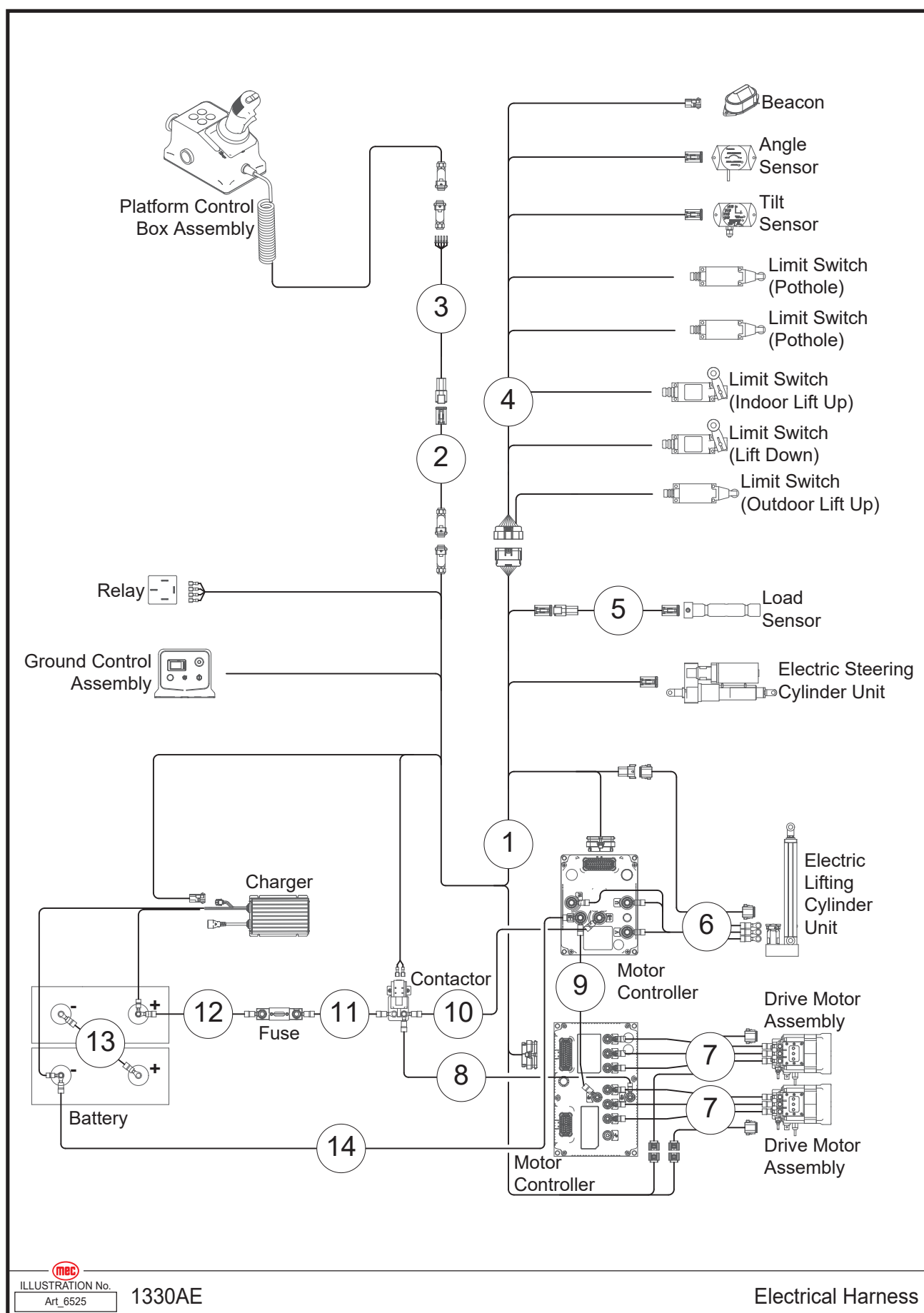


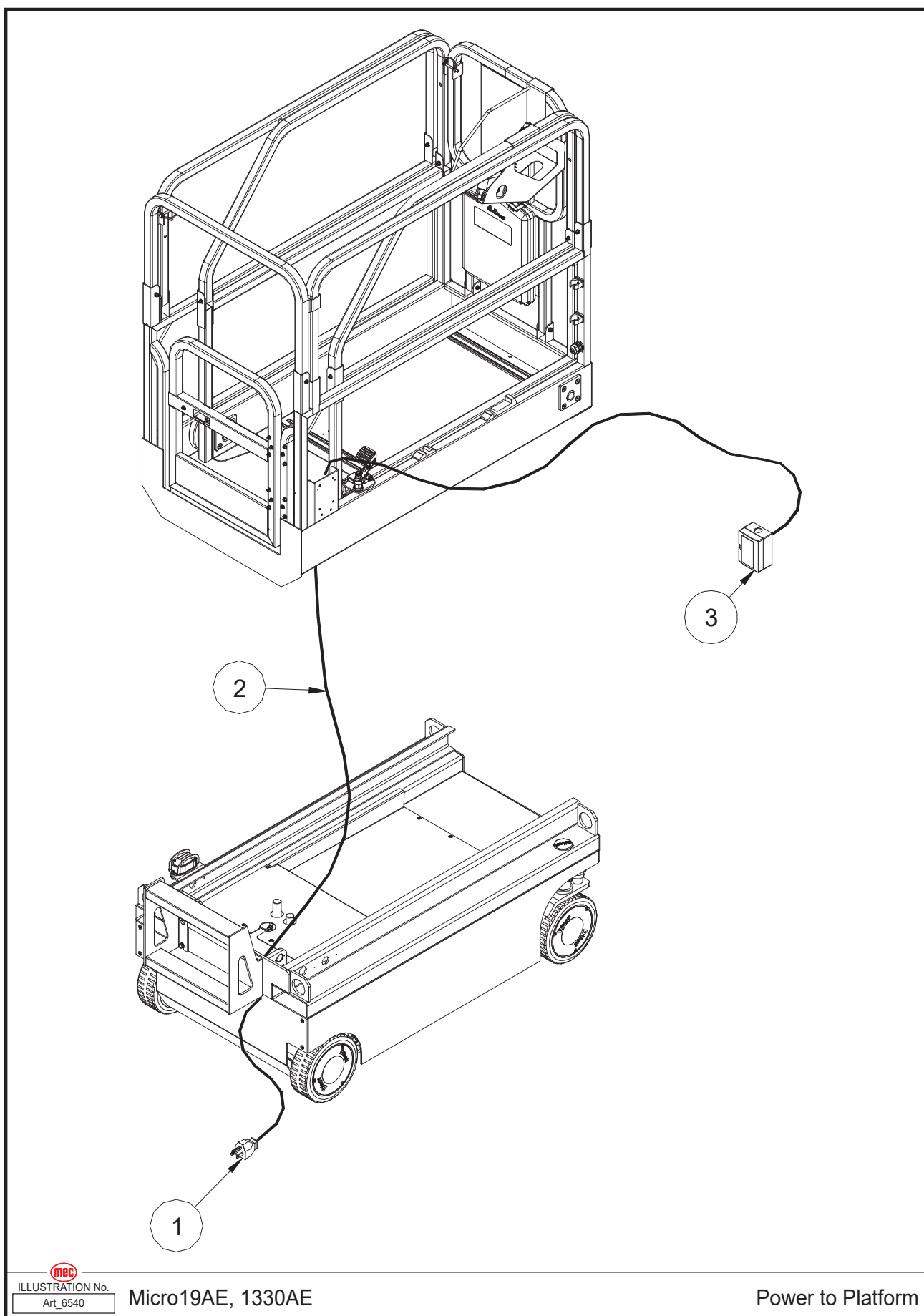
ILLUSTRATION No.  
Art\_6525

1330AE

Electrical Harness

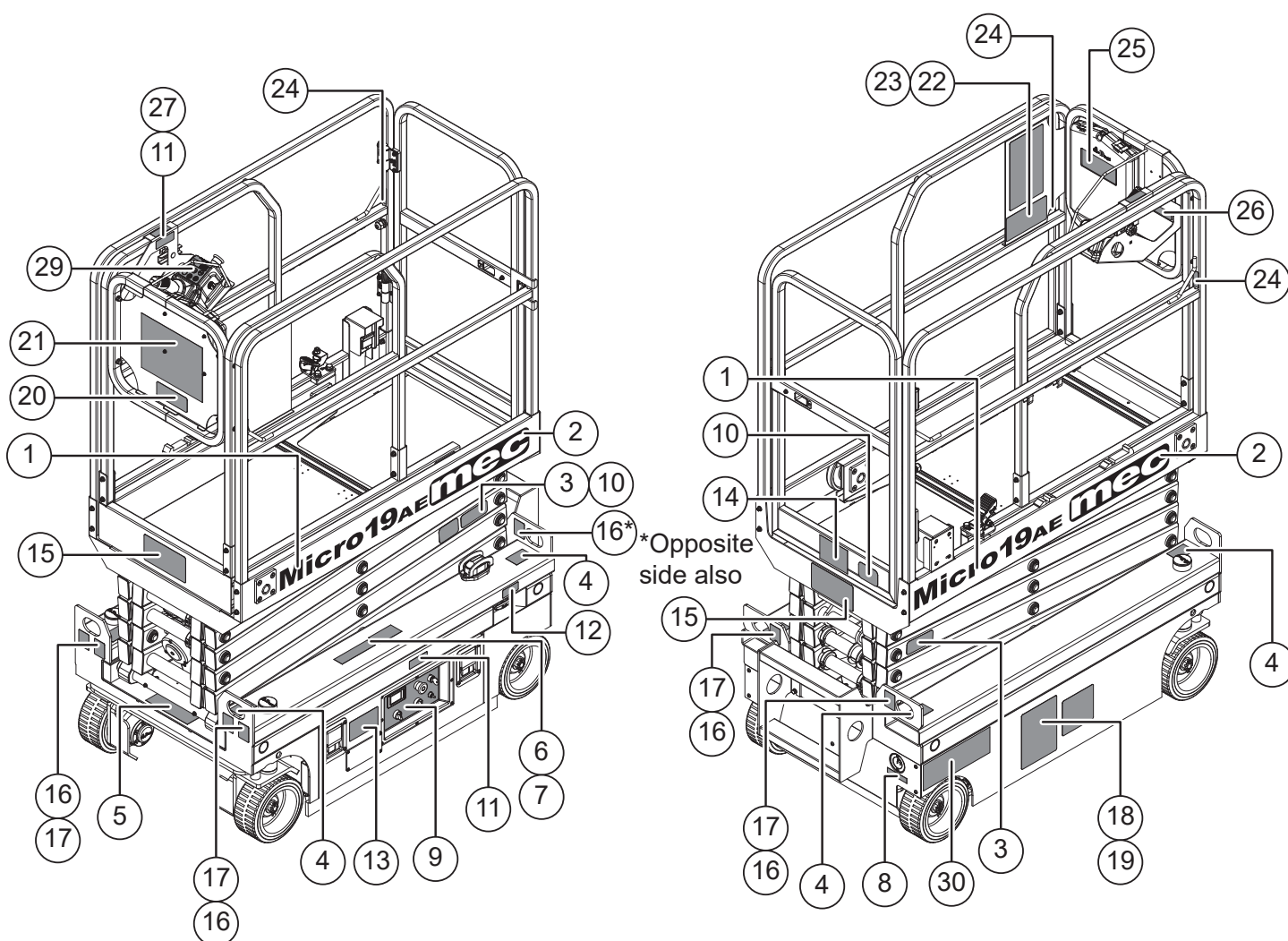
Item	Part Number	Description	Qty.
1	45752	ECU Harness	1
2	45753	Drag Chain Harness	1
3	45751	Platform Control Box Harness	1
4	45754	Sensor and Limit Harness	1
5	45755	Load Sensor Harness	1
6	45756	Lift Motor Harness	1
7	45757	Drive Motor Harness	2
8	45758	Drive Motor Controller Positive Harness	1
9	45758	Drive Motor Controller Negative Harness	1
10	45760	Lift Motor Controller Positive Harness	1
11	45761	Contactor Harness	1
12	45762	Fuse Harness	1
13	41920	Battery Harness	1
14	45763	Lift Motor Controller Negative Harness	1

## Power to Platform

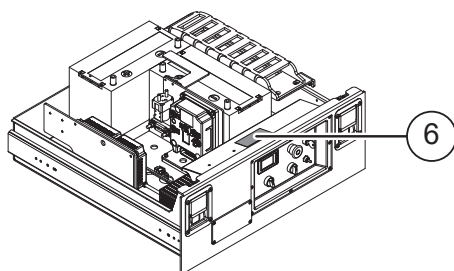


Item	Part Number	Description	Qty.
1	43690	AC Plug, 110V	1
2	43741	Wire Cable, Platform AC Power	1
3	43694	AC Socket	1

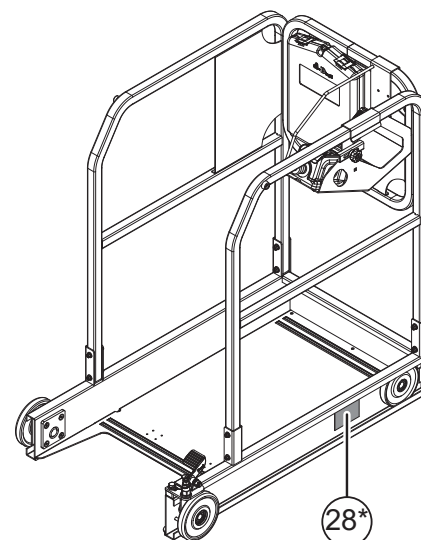
# Decals



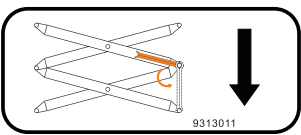
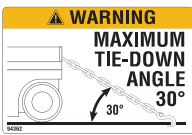



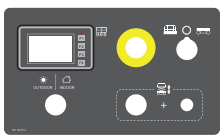

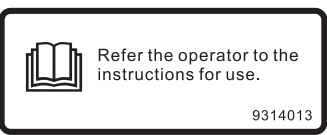


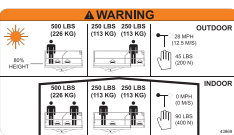









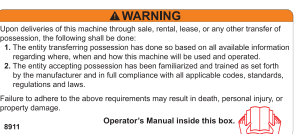





## Control Modue



## Platform Deck Extended



\*Opposite side also

<p><b>1</b></p> <p><b>Micro19AE</b></p> <p>96688 Qty. - 2</p>	<p><b>2</b></p> <p><b>mec</b></p> <p>94114 Qty. - 2</p>	<p><b>3</b></p>  <p>41638 Qty. - 2</p>	<p><b>4</b></p>  <p>94362 Qty. - 4</p>
<p><b>5</b></p>  <p>95215 Qty. - 1</p>	<p><b>6</b></p>  <p>90732 Qty. - 2</p>	<p><b>7</b></p>  <p>42534 Qty. - 1</p>	<p><b>8</b></p> <p><b>BATTERY CHARGER AND POWER TO PLATFORM</b></p> <p>94659 Qty. - 1</p>
<p><b>9</b></p>  <p>45656 Qty. - 1</p>	<p><b>10</b></p>  <p>96689 Qty. - 1</p>	<p><b>11</b></p>  <p>41639 Qty. - 2</p>	<p><b>12</b></p> <p><b>EMERGENCY LOWER</b></p> <p>Pull knob to lower platform</p> <p>9311017</p> <p>41636 Qty. - 1</p>
<p><b>13</b></p>  <p>42493 Qty. - 1</p>	<p><b>14</b></p>  <p>95301 Qty. - 1</p>	<p><b>15</b></p>  <p>43869 Qty. - 2</p>	<p><b>16</b></p>  <p>41635 Qty. - 4</p>
<p><b>17</b></p>  <p>41634 Qty. - 4</p>	<p><b>18</b></p>  <p>41649 Qty. - 1</p>	<p><b>19</b></p>  <p>41641 Qty. - 1</p>	<p><b>20</b></p>  <p>94423 Qty. - 1</p>
<p><b>21</b></p>  <p>90719 Qty. - 1</p>	<p><b>22</b></p>  <p>43885 Qty. - 1</p>	<p><b>23</b></p>  <p>41647 Qty. - 1</p>	<p><b>24</b></p>  <p>41648 Qty. - 3</p>
<p><b>25</b></p>  <p>8911 Qty. - 1</p>	<p><b>26</b></p>  <p>94120 Qty. - 1</p>	<p><b>27</b></p>  <p>41640 Qty. - 1</p>	<p><b>28</b></p>  <p>91850 Qty. - 2</p>
<p><b>29</b></p>  <p>44797 Qty. - 1</p>	<p><b>30</b></p>  <p>96686 Qty. - 1</p>		

---

## Notes



---

# Notes



# 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 \_\_\_\_\_

Ship VIA \_\_\_\_\_

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

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

Part Number	Description	Quantity	Price

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

\_\_\_\_\_ Ship complete order only - No Backorders

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

\_\_\_\_\_ Other (Please specify)

Signature \_\_\_\_\_



## Limited Owner Warranty

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



# MEC Aerial Work Platforms

---

1401 S. Madera Avenue, Kerman, CA 93630 USA

Toll Free: 1-877-632-5438

Phone: 1-559-842-1500

Fax: 1-559-842-1520

[info@MECawp.com](mailto:info@MECawp.com)

[www.MECawp.com](http://www.MECawp.com)