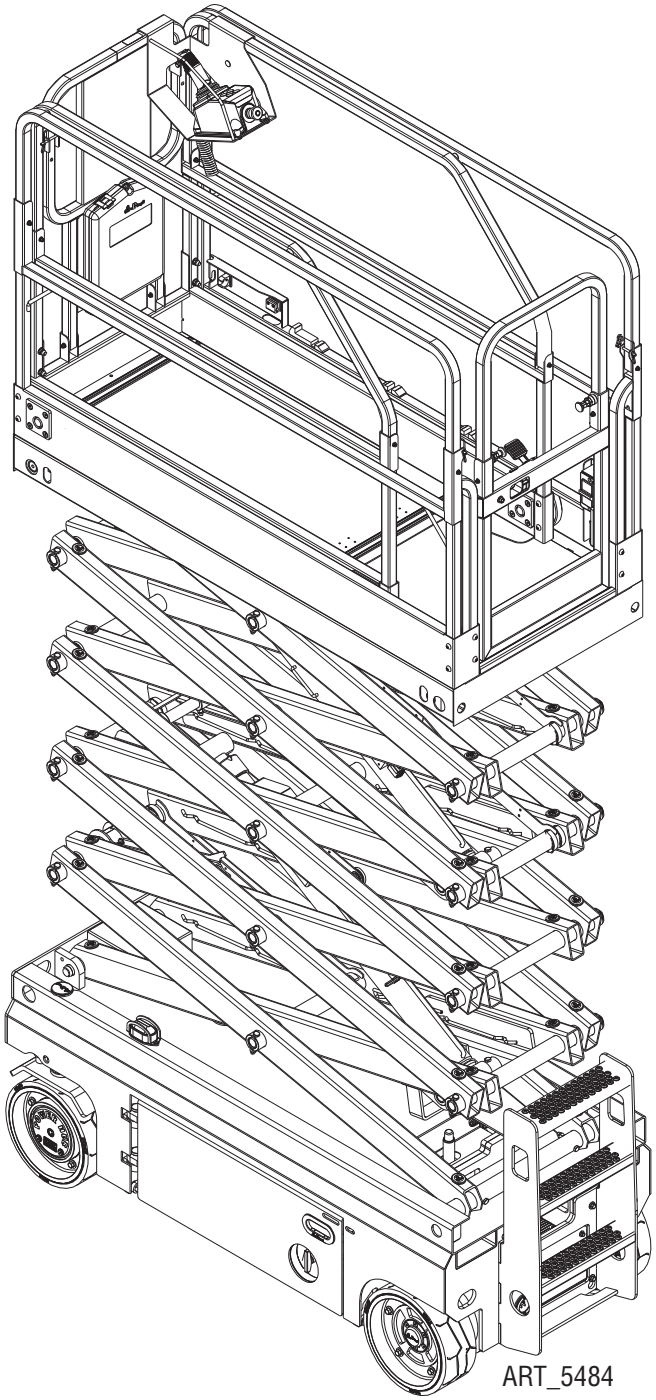
Service & Parts Manual

Micro26



ART_5484

Serial Number Range
17100001 - Up

Part # 43549
June 2025

Revision History

Date	Reason for Update
April 2019	New Release
June 2019	Charger Assembly & Ground Control Assembly Update
April 2020	Added Outdoor/Indoor Electrical Schematic Updated decal list
September 2020	Update to ANSI A92.20-2020
December 2024	Removed 41861
June 2025	Corrected Wheel bolt torque on page 21 and page 24.

MEC Aerial Work Platforms

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Table of Contents

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:

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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.

DANGER	**RED and the word DANGER – Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.**
WARNING	**ORANGE and the word WARNING – Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**
CAUTION	**YELLOW with alert symbol and the word CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.**
CAUTION	**YELLOW without alert symbol and the word CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in property damage.**
NOTICE	**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.

Specifications

Maximum Working Height*	Indoor	31 Ft	9.4 m
	Outdoor	24 Ft	7.3 m
Maximum Platform Height	Indoor	25 Ft	7.6 m
	Outdoor	18 Ft	5.5 m
Stowed Height	Top Guardrail	90.3 in	2.3 m
	Rails Folded	78.75 in	2 m
	Platform Floor	47 in	1.2 m
Guardrail Height		43.5 in	1.1 m
Toeboard Height		6 in	0.15 m
Ground Clearance (Stowed)		3 in	7.62 cm
Length-Stowed	Overall	74 in	1.88 m
	Ladder Removed	68 in	1.73 m
Chassis Width		31.9 in	0.81 m
Platform Length	Extended	103.5 in	2.63 m
	Retracted	68 in	1.73 m
Deck Extension Length		35.5 in	0.9 m
Platform Width (Outside)		29.1 in	0.74 m
Wheelbase		55 in	1.4 m
Maximum Lift Capacity		500 lbs	227 Kg
Personnel Capacity	Indoor	2	
	Outdoor	1	
Manual Force	Indoor	90 lbs	400 N
	Outdoor	45 lbs	200 N
Deck Extension Capacity		250 lbs	113 Kg
Raise/Lower Speed		30/25 sec	
Drive Speed	Stowed	2.5 mph	4 km/h
	Elevated	0.5 mph	0.8 km/h
Gradeability		25% 14 degrees	
Maximum Wind Speed		28 mph	12.5 m/s
Turning Radius (Inside)		6 in	15 cm
Weight**		4,190 lbs	1,900 Kg
Power Source		24 V DC, 240 Ah Battery Pack	
Controls		Proportional	
Tires		12 in x 5 in	30 cm x 12.5 cm
Maximum Wheel Load		1,410 lbs	640 Kg
Chassis Inclination		1.5 Side	3.0 Inline

*Metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft. to platform height.
**Weight may vary with certain options or configurations.
Meets requirements of ANSI A92.20-2020 and CSA B354.6-2019.

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)								
	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.

Type: 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

Maintenance Lock

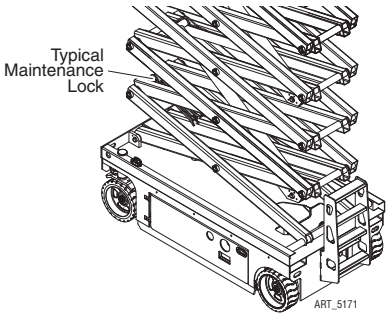
DEATH OR SERIOUS INJURY HAZARD!

WARNING

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

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

For the Micro26, the Maintenance Lock is located at the front of the scissor stack.



1. Raise the platform approximately 10 ft (3 m) 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.

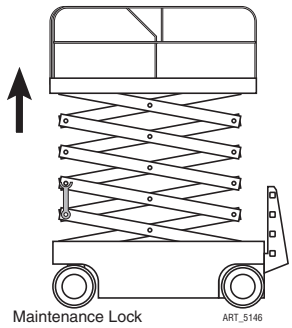
CAUTION

The Maintenance Lock must engage the scissor section above it.

DO NOT set it so that it hangs down. Damage may result.

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

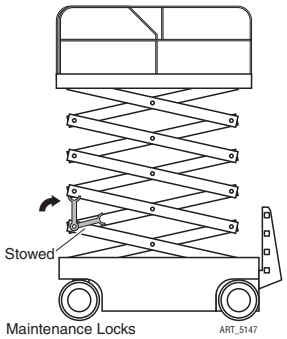
Stowing The Maintenance Lock



CAUTION

The Maintenance Lock must be stowed before lowering the platform.

1. Raise the platform approximately 1 ft / .3 m higher so that the Maintenance Lock clears the scissor link cross tubes.
2. Slide the front-end Maintenance Lock to the side and rotate it stowed position.
3. 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.

Hydraulic, Electrical, and Total Systems

Hydraulic System

WARNING

HYDRAULIC FLUID UNDER PRESSURE CAN PENETRATE AND BURN SKIN, DAMAGE EYES, AND MAY CAUSE SERIOUS INJURY, BLINDNESS, AND EVEN DEATH. CORRECT LEAKS IMMEDIATELY.

HYDRAULIC FLUID LEAKS UNDER PRESSURE MAY NOT ALWAYS BE VISIBLE. CHECK FOR PIN HOLE LEAKS WITH A PIECE OF CARDBOARD, NOT YOUR HAND.

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

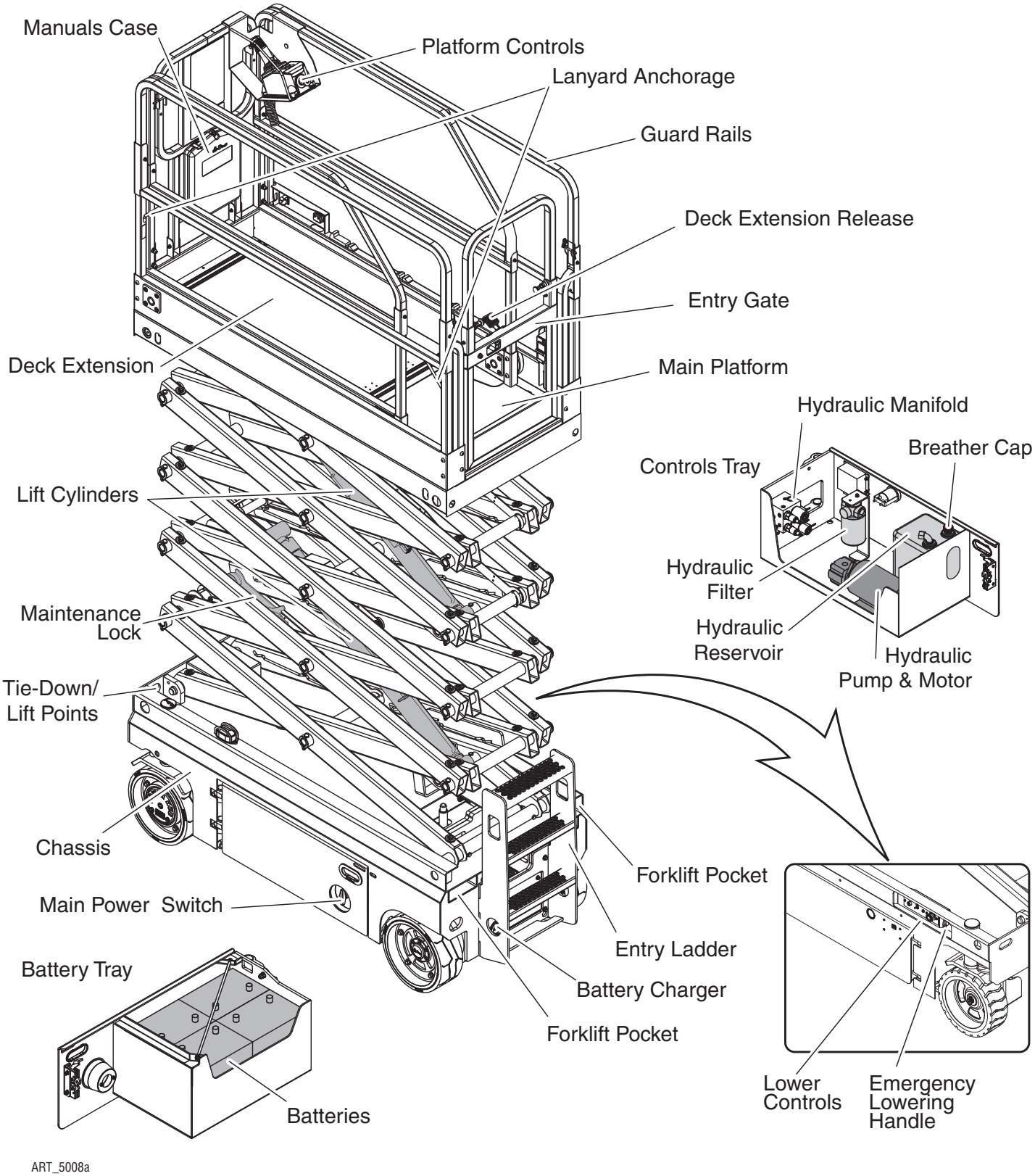
FAILURE TO PERFORM PREVENTIVE MAINTENANCE AT RECOMMENDED INTERVALS MAY RESULT IN THE UNIT BEING OPERATED WITH A DEFECT THAT COULD RESULT IN INJURY OR DEATH OF THE OPERATOR.

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



Emergency Systems and Procedures

WARNING

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.

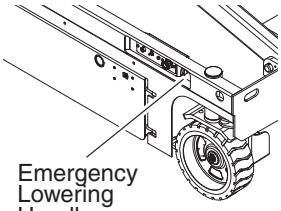
Emergency Stops

ART_3353

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

Emergency Lowering



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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.

Transporting 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.

WARNING

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.

Free-wheel configuration for Winching or Towing

RUNAWAY HAZARD!

DANGER

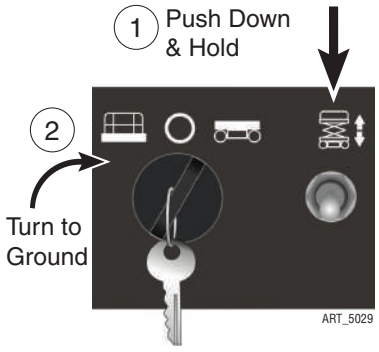
After releasing the brakes there is nothing to stop machine travel. Machine will roll freely on slopes.

ALWAYS chock the wheels before manually releasing the brakes.

The machine can be winched or towed short distances at speeds not to exceed 5 mph.

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



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

Press the Emergency Stop Switch or turn the Key Switch to the OFF position to reset the brake.

Driving or Winching onto or off of a Transport Vehicle

WARNING

Always attach the machine to a winch when loading or unloading from a truck or trailer by driving.

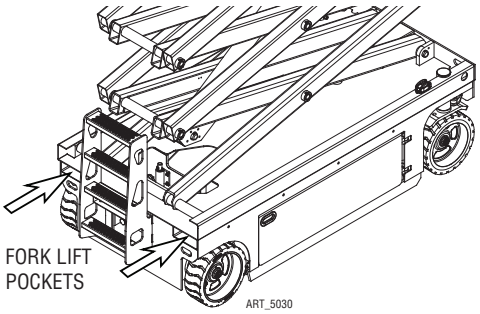
Read and understand all safety, control, and operating information found on the machine and in this manual before operating the machine.

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 13).
- Carefully operate the winch to lower the machine down the ramp.
- Chock the wheels and engage the brakes.

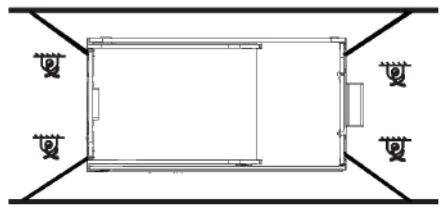
Lifting The Machine With A Forklift

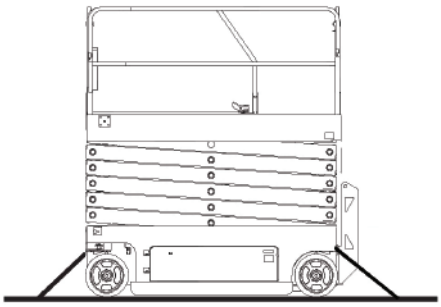
- Position the forklift forks in line with the forklift pockets.
- Drive forward to the full extent of the forks.
- Raise the machine 6 in / 15 cm and then tilt the forks back slightly to keep the machine secure.
- Be sure the machine is level when lowering the forks.

CAUTION

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

Securing to Truck or Trailer for Transport





ART_5031

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.

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.

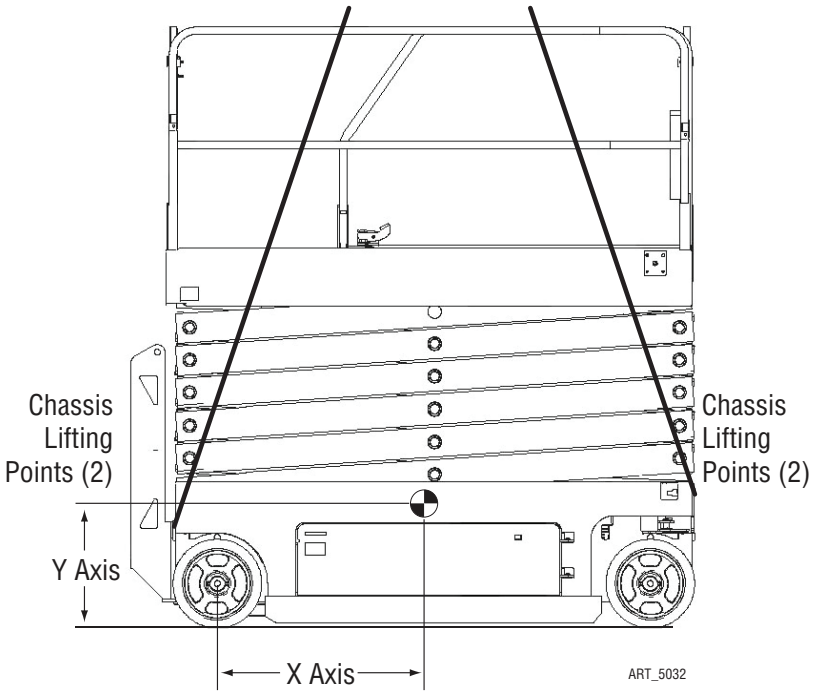
Fully lower the platform. Be sure the deck extension is retracted and the controls and component trays are closed and secure. Remove all loose items from the machine.

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
Micro26	27.5 in	27.2 in
	70 cm	69 cm



Lift and Support the Machine

DANGER

DEATH OR SERIOUS PERSONAL INJURY MAY RESULT FROM THE USE OF SUBSTANDARD LIFTING DEVICES AND/OR JACK STANDS. ENSURE THAT ALL LIFTING DEVICES AND JACK STANDS ARE OF ADEQUATE CAPACITY AND IN GOOD WORKING CONDITION BEFORE USE.

The following are needed to safely lift and support the machine:

- A jack with a lifting capacity of four (4) tons or more.
- Jack stands with a rating of four (4) tons or more.

To raise the machine

1. Move machine to a firm level surface capable of supporting the weight of the machine. (Refer to Machine Specifications on page 4 for machine weights for your model of scissor lift).
2. Chock tires on one end of machine and raise the other end of machine.
3. Position a jack at the end of the machine to be lifted, under a solid lifting point in the center of the frame.
4. Raise the machine and place two (2) suitable jack stands under solid support points at the outer ends of the frame.
5. Lower the machine to rest on the jack stands and inspect for stability.

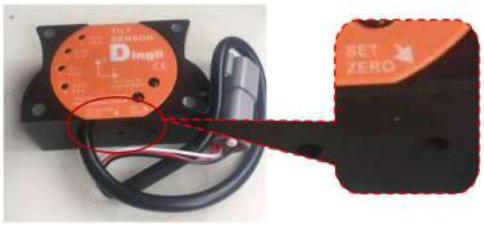
To lower the machine

1. Raise machine slightly and remove jack stands.
2. Lower the machine and remove the jack.
3. Remove chocks.

Calibration Instructions

The Platform Overload Sensing System may require calibration in the event of a malfunction or after the replacement of an Overload System component. Proper and correct calibration of the Overload system is critical for normal and trouble-free machine operation. Read and understand the instructions before beginning the calibration process.

Calibrate Tilt Sensor



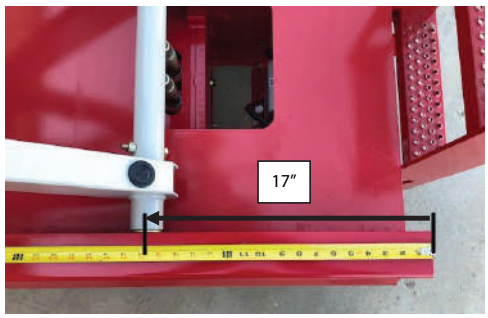
1. Park the machine on flat level surface.

Note: Calibrating the level sensor requires that the machine be perfectly level on both the X and Y axis. An inclinometer should be used when ensuring level. Machine power must be on.

2. Using the diagram below, locate the “SET ZERO” button located on the side of the sensor. Press and hold the “SET ZERO” button until the LEDs alternate red and green flashes. Release the button
3. Press the “SET ZERO” button three times. The LEDs will turn off then only the green LED will illuminate, Calibration is complete.

Calibrate Height Sensor

Note: Calibrate Overload System must be performed after calibrating height sensor to ensure proper and trouble-free machine operation.



1. Refer to the diagram below. Elevate the platform until the round scissor tube is exactly 7” from the end of the slide channel, measuring on the top of the slide channel.
2. Referring to the following diagram, locate the height sensor, located inside the scissor beams. Press and hold the “SET ZERO” button until the two LEDs alternate red and green flash alternately. Release the button.

3. Press the “SET ZERO” button three times. If done correctly, the red light will flash followed by the green light flash followed by the green light illuminating solid. HEIGHT CALIBRATION COMPLETE.

Calibrate Overload System

Note: The platform **will lift automatically** once the calibration has been initiated. Be sure that there are **no overhead obstructions** when choosing a location on which to calibrate the overload system.

Note: If a safety concern arises anytime during the automated lift/lower sequence, press the Emergency Stop switch immediately. The procedure can be restarted once the it is safe to do so.

Empty Platform Sequence

1. Park the machine on flat level surface. Machine power must be on. Ensure that the platform is completely empty and there are no ‘extra’ items attached to the platform or guard rails that may add weight to the platform beyond that of an empty platform.
2. Turn the key switch to the Platform position. This will prevent the platform from lifting during the next step.
3. Using the lower Lift Switch (located on the lower control panel) perform the following sequence of up and down movement of the toggle switch. Do not operate the switch so slowly as to hold the switch more than 2.5 seconds or the sequence will be terminated.
    a. Down 5 times
    b. Up 1 time
    c. Down 5 times
    d. Up 1 time
    e. Down 1 time
    f. Up 1 time
    g. Down 3 times
4. The process will be complete when the platform returns to the fully lowered and the horn stops sounding. Cycle Emergency Stop power and continue to the Loaded calibration steps.

Loaded Platform Sequence

1. Park the machine on flat level surface. Machine power must be on. Ensure that the platform is completely empty and there are no ‘extra’ items attached to the platform or guard rails that may add weight to the platform beyond that of an empty platform.
2. Place weight in the center of the platform equal to rated platform capacity (500 LBS).
3. Turn the key switch to the Platform position. This will prevent the platform from lifting during the next step.
4. Using the lower Lift Switch (located on the lower control panel) perform the following sequence of up and down movement of the toggle switch. Do not operate the switch so slowly as to hold the switch more than 2.5 seconds or the sequence will be terminated.
    a. Down 5 times
    b. Up 1 time
    c. Down 5 times
    d. Up 1 time
    e. Down 5 time
5. The process will be complete when the platform returns to the fully lowered and the horn stops sounding. Once the Empty and the Loaded sequences are complete, the Platform Overload Calibration is complete. Remove weight from platform.

General Machine Maintenance

Instructions in this portion of the manual are to be used in conjunction with the Pre-Start, Frequent and Annual Inspection checklists found in this machine's Operator's Manual.

Important: Scheduled maintenance inspection checklists are included in the Operator's Manual for use only by qualified service technicians. Only qualified service technicians may perform repairs to the machine. After repairs are completed, the operator must perform a Pre-Start Inspection before proceeding to the Functions Test.

DANGER

HYDRAULIC FLUID UNDER PRESSURE CAN PENETRATE AND BURN SKIN, DAMAGE EYES, AND MAY CAUSE SERIOUS INJURY, BLINDNESS, AND DEATH. REPAIR LEAKS IMMEDIATELY. FLUID LEAKS UNDER PRESSURE MAY NOT ALWAYS BE VISIBLE. CHECK FOR PIN HOLE LEAKS WITH A PIECE OF CARDBOARD, NOT YOUR HAND.

WARNING

NEVER PERFORM WORK OR INSPECTION ON THE MACHINE WITH THE PLATFORM ELEVATED WITHOUT FIRST BLOCKING THE SCISSOR ASSEMBLY WITH THE MAINTENANCE LOCK (SEE THE INTRODUCTION PORTION OF THIS MANUAL).

PERFORM SCHEDULED MAINTENANCE AT RECOMMENDED INTERVALS. FAILURE TO PERFORM SCHEDULED MAINTENANCE AT RECOMMENDED INTERVALS MAY RESULT IN A DEFECTIVE OR MALFUNCTIONING MACHINE AND MAY RESULT IN INJURY OR DEATH OF THE OPERATOR. KEEP MAINTENANCE RECORDS CURRENT AND ACCURATE.

IMMEDIATELY REPORT ANY DAMAGE, DEFECT, UNAUTHORIZED MODIFICATION OR MALFUNCTION TO YOUR SUPERVISOR. ANY DEFECT MUST BE REPAIRED PRIOR TO CONTINUED USE. DO NOT USE A DAMAGED, MODIFIED OR MALFUNCTIONING MACHINE.

CAUTION

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

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

Always clean the surrounding area before opening hydraulic systems.

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

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

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

Pre-Start Inspection Checklist

Items on this checklist should be inspected before each work shift. A copy of this checklist is available in the notes section of this manual. Photocopy the Pre-Start Inspection Checklist to keep record of this inspection.

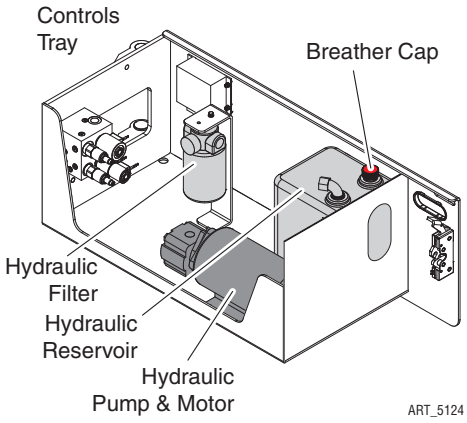
30-Day Service

The 30 day maintenance procedure is a one-time procedure to be performed after the first 30 days or 40 hours of usage. These procedures are also performed at later intervals.

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 quickly.

1. Check the tire surface and sidewalls for cuts, cracks and unusual wear.
2. Check each wheel for damage, bends and cracks.
3. Check each wheel bolt for proper torque (65 ft-lbs/88 Nm dry).

Hydraulic Filter & Breather Cap



Replace the Hydraulic Filter element after the first 30 days of machine use.

After that, replace the Breather Cap Filter and Hydraulic Filter every year or 300 hours (whichever comes first).

If the machine is used in very dusty, exceptionally hot or exceptionally cold conditions, replace the Breather Cap Filter and Hydraulic Filter every 6 months or 150 hours (whichever comes first).

Frequent Inspection Checklist

WARNING

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 the Frequent Inspection Checklist page from the Operator's Manual to keep record of this inspection. Keep inspections records up to date. Record and report all discrepancies to your supervisor.

Perform all checks listed on Pre-Start Inspection, then proceed with the following checks.

Steering Yokes

Regular application of lubrication to the steer yokes is essential to good machine performance and service life. Continued use of an insufficiently greased steer yoke will result in component damage.

1. Open the steer yoke cover.
2. No zerk fittings.
3. Pack multipurpose grease into the steer yoke until the steer yoke is almost full.
4. Install the cover.
5. Repeat this step for the other steer yoke.

Grease Specification

Chevron Ultra-duty grease, EP NLGI 1 (lithium based) or equivalent.

Hydraulic Fluid

Inspect the condition of hydraulic fluid in the reservoir.

Oil should be a clear and amber in color.

Batteries

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

ELECTROCUTION / BURN HAZARD. CONTACT WITH ELECTRICALLY CHARGED CIRCUITS COULD RESULT IN DEATH OR SERIOUS INJURY. REMOVE ALL RINGS, WATCHES, AND OTHER JEWELRY.

WARNING

WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) - FACE SHIELD & GLOVES BEFORE SERVICING THE BATTERIES.

BODILY INJURY HAZARD. BATTERIES CONTAIN ACID. AVOID SPILLING OR CONTACTING BATTERY ACID. NEUTRALIZE BATTERY ACID SPILLS WITH BAKING SODA AND WATER.

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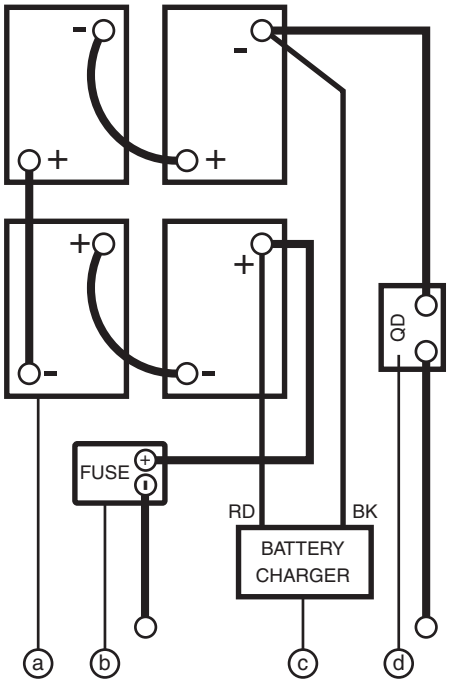
1. Put on protective clothing and eye wear.
2. Open the Battery Module.
3. Be sure that the battery cable connections are free of corrosion.



a -- Batteries
b -- 300A Fuse
c -- Battery Charger
d -- Quick Disconnect

ART_5120

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. Remove the battery caps and inspect the fluid level. If plates show, add just enough fluid to cover the plates as charging will cause fluid to expand.
6. Replace cables that show damage, corrosion, or swelling.
7. Fully charge the batteries. It is best to allow the batteries to rest 24 hours to allow the battery cells to equalize.
8. Check each battery pack and verify that the batteries are wired correctly.
9. Check the fluid level in each battery cell. Batteries are full when the fluid is just below the bottom of the well.
10. Inspect the battery charger plug and pigtail for damage or excessive insulation wear. Replace as required.
11. 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, consult the Troubleshooting section for charger flash code troubleshooting.

Note: For best results, use an extension cord of adequate size with a length no longer than 50 ft / 15m.

If you have any further questions regarding the battery charger operation, please contact the MEC Technical Support.

Electrical Wiring

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 machine breakdown or unsafe operating conditions and may cause component damage.

WARNING

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 following areas for burnt, chafed, corroded and loose wires:
   - Ground control panel
   - Control Module
   - Battery Module
   - Platform controls
   - Scissor control cable
2. Turn the key switch to ground control and turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls
3. Set the Maintenance Locks (see the Introduction portion of this manual).

DEATH OR SERIOUS INJURY HAZARD!

WARNING

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

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4. Inspect the center chassis area and scissor arms for burnt, chafed and pinched cables.
5. Inspect the following areas for burnt, chafed, corroded, pinched and loose wires:
   - Scissor arms
   - ECU to platform controls
   - Power to platform wiring
6. Inspect for a coating of dielectric grease in the following locations:
   - Between the ECU and platform controls in communication cable connectors
   - All wire harness connectors
7. Raise the platform and return the Maintenance Locks to the stowed position (see the Introduction portion of this manual).
8. Lower the platform to the stowed position and turn the machine off.

Tires & Wheels

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 and unusual wear.
2. Check each wheel for damage, bends and cracks.
3. Check each wheel bolt for proper torque (65 ft-lbs/88 Nm dry)

Emergency Stop

A properly functioning Emergency Stop system 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 from the ground controls will override all platform controls except the platform red Emergency Stop button.

1. Turn the key switch to ground control and turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
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 and turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
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.

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. Turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
2. Turn the key switch to platform control.
3. Check the 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 from either control station.

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 and turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
2. Push down the horn button at the platform controls.
   - **Result:** The horn should sound.

Drive Brakes

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 and turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
3. Press the drive select button.
4. Choose a point on the machine (i.e., contact patch of a tire) as a visual reference for use when crossing the test line.
5. 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.
6. Measure the distance between the test line and your machine reference point.
   - 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.

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

Maximum Braking Distance	24 in ± 11.8 in 61 cm ± 30 cm
High Speed on paved surface	

Drive Speed - Stowed

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 ft /12.2 m apart.
2. Turn the key switch to platform control and turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.
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 should be 10 -14 seconds.

Drive Speed - Raised

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 ft /12.2 m apart.
2. Turn the key switch to platform control and turn the red Emergency Stop button clockwise to the on position at both the ground and platform controls.

3. Press the lift function select button.
4. Press and hold the function enable switch on the joystick.
5. Raise the platform approximately 10 ft /3 m 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 should be 54-62 seconds.

Hydraulic Oil Analysis Or Replacement

Replacement or testing of the hydraulic oil is essential for good machine performance and service life. Dirty oil may cause the machine to perform poorly and continued use may cause component damage. Extremely dirty conditions may require oil changes to be performed more often.

Before replacing the hydraulic oil, the oil may be tested by an oil distributor for specific levels of contamination and additive breakdown to verify that changing the oil is necessary.

Hydraulic oil may be tested yearly and replaced if it fails. If the hydraulic oil is not replaced at the Annual Inspection, test the oil quarterly. Replace the oil when it fails the test.

Tank Venting System

A free-breathing hydraulic tank cap is essential for good machine performance and service life. A dirty or clogged cap may cause the machine to perform poorly. Extremely dirty conditions may require that the cap be inspected more often.

1. Remove the breather cap from the hydraulic tank.
2. Check for proper venting.
   - Result: Air passes through the breather cap.
   - Result: If air does not pass through the cap, clean or replace the cap. Proceed to step 3.

Note: When checking for positive tank cap venting, air should pass freely through the cap.

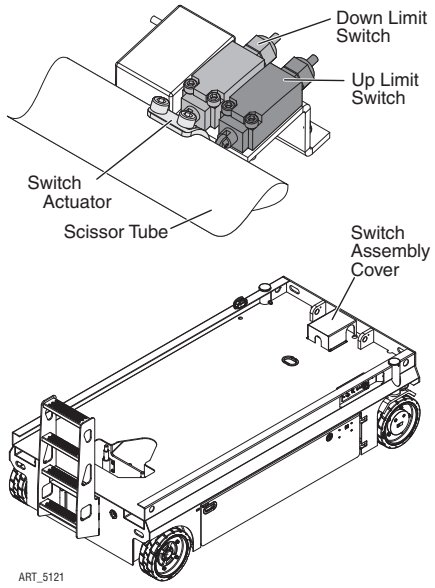
3. Using a mild solvent, carefully wash the cap venting system. Dry using low pressure compressed air. Repeat step 2.
4. Install the breather cap onto the hydraulic tank.

Module Latch Components

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

Limit Switches



Maintaining the limit switches is essential to safe operation and good machine performance. Operating the machine with a faulty limit switch could result in reduced machine performance and a potentially unsafe operating condition.

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

WARNING

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.

Down Limit Switch

The Down Limit Switch alerts the system when the platform is elevated above 6.5 feet (2 m).

1. Remove the platform controls from the platform.
2. Set the Maintenance Locks (see the Introduction portion of this manual).
3. Turn the key switch to the off position.
4. Tag and disconnect the platform control box at the platform.
5. Locate the mating connector located inside the control cabinet. Disconnect the connector.
6. Securely install the platform control box harness plug into the 6-pin connector of the ECU cable.
7. Remove the Limit Switch Assembly Cover.
8. Open the Down Limit Switch cover, tag and disconnect the wires of the Down Limit Switch wire harness.
9. Turn the key switch to platform control.
10. Raise the platform and return the Maintenance Locks to the stowed position.
11. Working at the platform controls, press the lift function select button. Lower the platform to the stowed position.
    - Result: The diagnostic display will show code 18, an alarm sounds and the lift function should not operate. The machine is functioning properly.
    - Result: The diagnostic display does not show code 18, the alarm does not sound and the lift function operates. Replace the Down Limit Switch.
12. Press the drive function select button. Attempt to drive the machine.
    - Result: The diagnostic display will show code 18, an alarm sounds, and the steer and drive functions should not operate. The machine is functioning properly.
    - Result: The diagnostic display does not show code 18, the alarm does not sound, and the steer and drive functions operate. Replace the Down Limit Switch.
13. Press the lift function select button. Raise the platform approximately 12 in / 0.3 m.
    - Result: The diagnostic display will show code 18 and an alarm sounds. The machine is functioning properly.

- Result: The diagnostic display does not show code 18 and the alarm does not sound. Replace the Down Limit Switch.

14. Raise the platform until the pothole guards are deployed.
    - Result: The diagnostic display does not show code 18 and the alarm does not sound. The machine is functioning properly.
    - Result: The diagnostic display shows code 18 and an alarm sounds. Replace the Down Limit Switch.
15. Set the Maintenance Locks (see the Introduction portion of this manual).

DEATH OR SERIOUS INJURY HAZARD!

WARNING

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

16. Turn the key switch to the off position.
17. Disconnect the platform controls from the lower cable connection.
18. Securely install the connector of the communication cable into the platform control cable.
19. Working at the platform, securely install the connector of the platform controls into the platform control cable.
20. Securely connect the two wires of the down limit switch to wire harness.
21. Close and install the switch cover.
22. Turn the key switch to ground control.
23. Raise the platform and return the Maintenance Locks to the stowed position.
24. Lower the platform to the stowed position.

Up Limit Switch

DEATH OR SERIOUS INJURY HAZARD!

WARNING

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

1. Set the Maintenance Locks (see the Introduction portion of this manual).
2. Open the limit switch house cover from the chassis.
3. While raising the platform from the ground controls, push in the roller of the up limit switch to activate the limit switch.
    - Result: The platform stops raising. The machine is functioning properly.
    - Result: The platform continues to raise. Inspect or replace the Up Limit Switch.
4. Install the limit switch house cover to chassis.
5. Raise the platform and return the Maintenance Locks to the stowed position.
6. Lower the platform to the stowed position.

Level Sensor

1. Move the machine onto a grade which exceeds the rating of the level sensor. Refer to the Machine Specifications in the Introduction portion of this manual.
2. Press the lift function select button. Standing on the up-hill side of the machine, attempt to raise the platform to approximately 6.6 ft / 2 m.
   - Result: The alarm sounds, and the machine stops lifting after the pothole guards are deployed. The machine is functioning properly.
   - Result: The alarm does not sound and the machine will continue to lift the platform after the pothole guards are deployed. Adjust or replace the Level Sensor.
3. Press the drive function select button. Standing on the up-hill side of the machine, attempt to steer and drive the machine.
   - Result: The alarm sounds and the machine stops moving. The machine is functioning properly.
   - Result: The alarm does not sound. Adjust or replace the Level Sensor.
4. Lower the platform to the stowed position.

Pothole Limit Switches

1. Move the machine onto a firm, level surface. Place a wooden block approximately 2 in / 5 cm tall under the right pothole guard.
2. Press the lift function select button. Attempt to raise the platform approximately 6.6 ft /2 m.
   - Result: The pothole guard contacts the block and does not fully deploy, the diagnostic display shows code 18, an alarm sounds and the platform will not lift beyond. The machine is functioning properly.
   - Result: The pothole guard contacts the block and does not fully deploy, the diagnostic display does not show code 18, the alarm does not sound and the machine will continue to lift the platform after the pothole guards are deployed. Adjust or replace the pothole limit switch.
3. Press the drive function select button. Attempt to steer or drive the machine.
   - Result: The diagnostic display shows code 18, an alarm sounds, and the machine will not steer or drive. The machine is functioning properly.
   - Result: The diagnostic display does not show code 18, the alarm does not sound and the steer and drive functions operate. Adjust or replace the down limit switch.
4. Lower the platform to the stowed position and remove the block under the right pothole guard.
5. Repeat this procedure beginning with step 1 for the left pothole guard.
6. Lower the platform to the stowed position, remove the block under the left pothole guard. Turn off the machine.

Annual Inspection Checklist

WARNING

THE CHECKLIST MUST BE USED AT 12-MONTH INTERVALS OR EVERY 600 HOURS OF MACHINE USE, WHICHEVER OCCURS FIRST. FAILURE TO DO SO COULD RESULT IN DEATH OR SERIOUS INJURY.

Annual Maintenance Inspections should be conducted by qualified service technicians only. Photocopy the Annual Inspection Checklist page from the Operator's Manual to keep record of this inspection. Keep inspections records up to date. Record and report all discrepancies to your supervisor.

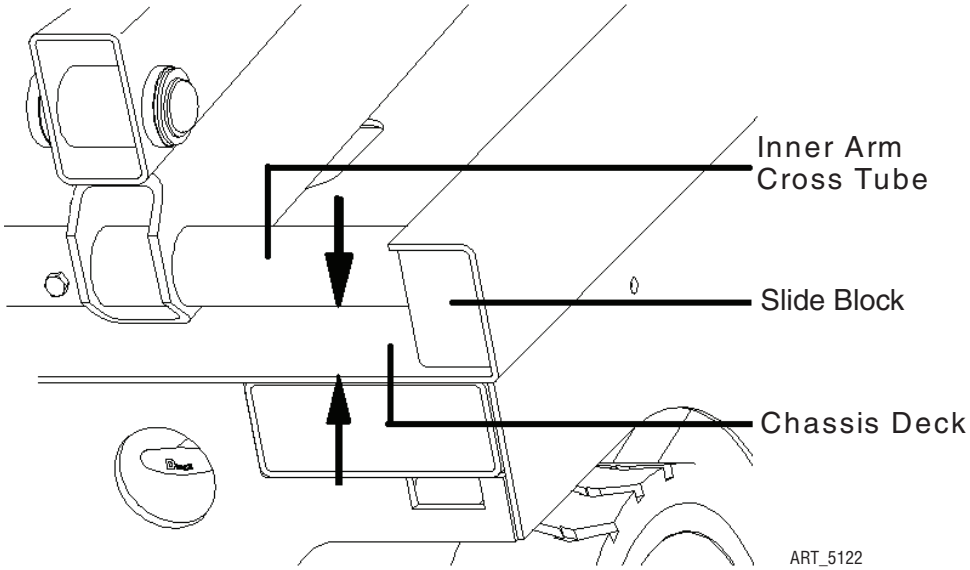
Perform all checks listed on Pre-Start Inspection and the Frequent Inspection, then check all items

listed on the Annual Inspection Report. See specific instructions below.

Scissor Slide Blocks

Maintaining the condition of the scissor arm slide blocks 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 inner arm cross tube and the chassis deck at the ground controls side of the non-steer end of the machine.
   - Result: The measurement is 1.34 in / 34 mm or more. Proceed to step 2.
   - Result: The measurement is less than 1.34 in / 34 mm. Replace both slide blocks.
2. Measure the distance between the number one inner arm cross tube and the chassis deck at the battery module side of the non-steer end of the machine.
   - Result: The measurement is 1.34 in / 34 mm or more. Proceed to step 3.
   - Result: The measurement is less than 1.34 in / 34 mm. Replace both slide blocks.
3. Apply a thin layer of dry film lubricant to the area of the chassis where the scissor arm wear pads make contact.

Hydraulic Tank Breather Cap

The hydraulic tank is a vented-type tank. The breather cap has an internal air filter that can become clogged or, over time, can deteriorate. If the breather cap is faulty or improperly installed, impurities can enter the hydraulic system which may cause component damage. Extremely dirty conditions may require that the cap be inspected more often.

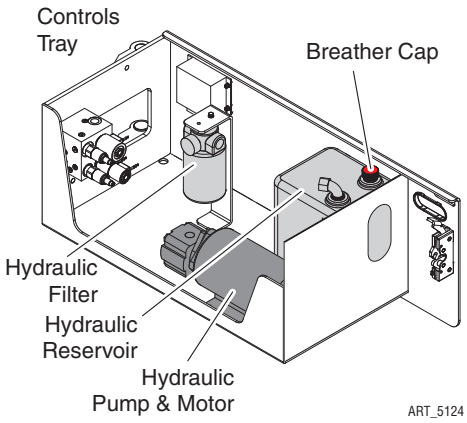
1. Remove and discard the hydraulic tank breather cap.
2. Install a new cap onto the tank.

Hydraulic Oil Inspection/replacement

Replacement or testing of the hydraulic oil is essential for good machine performance and service life. Dirty oil may cause the machine to perform poorly and continued use may cause component damage. Extremely dirty conditions may require oil changes to be performed more often.

Before replacing the hydraulic oil, the oil may be tested by an oil distributor for specific levels of contamination and additive breakdown to verify that changing the oil is necessary.

Hydraulic oil may be tested yearly and replaced if it fails. If the hydraulic oil is not replaced at the Annual Inspection, test the oil quarterly. Replace the oil when it fails the test.



Use only Mobile Fluid DTE 10, DTE 13 M, or AW32. Do not substitute other fluids as pump damage may result.

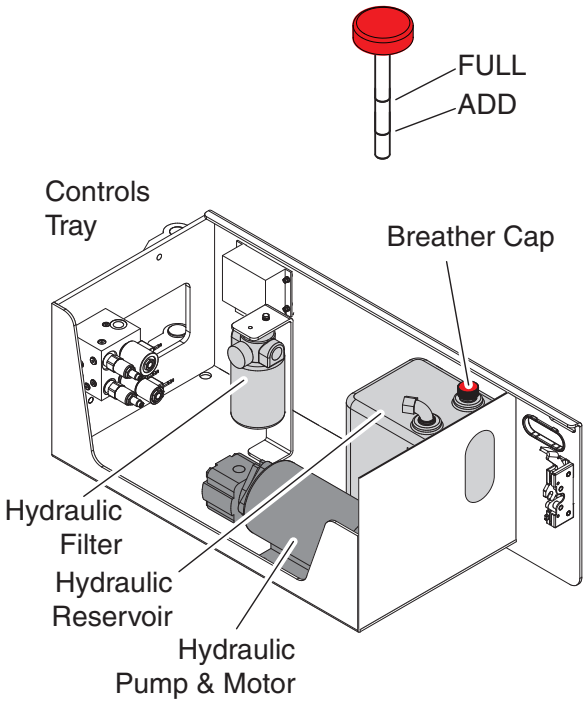
Fill the reservoir with oil to 1.75 gallons / 6.6 liters with platform in the stowed position.

CAUTION

Component damage hazard. The pump can be damaged if operated without oil. Be careful not to empty the hydraulic tank while in the process of filling the hydraulic system. Do not allow the pump to cavitate.

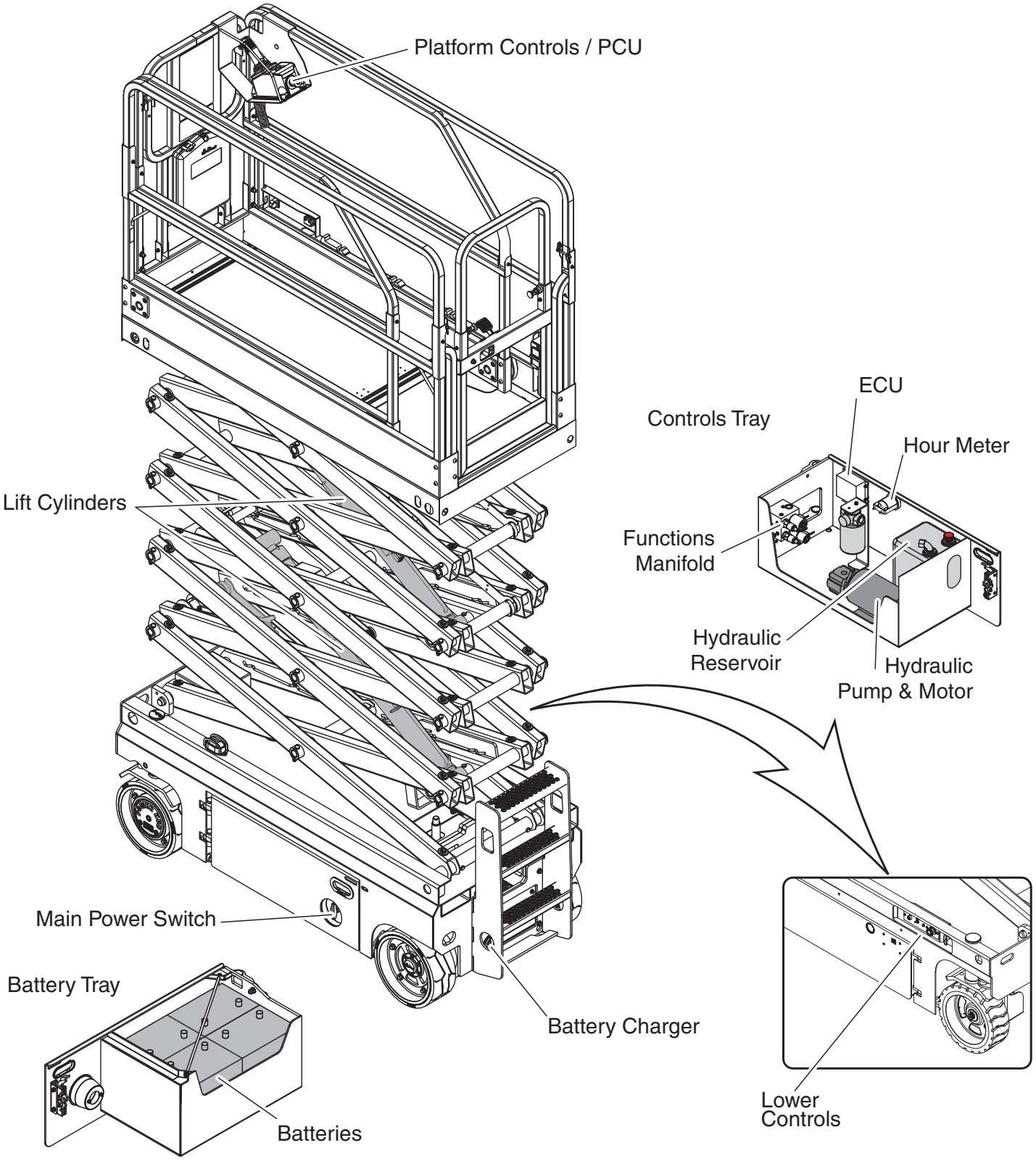
Lubrication

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

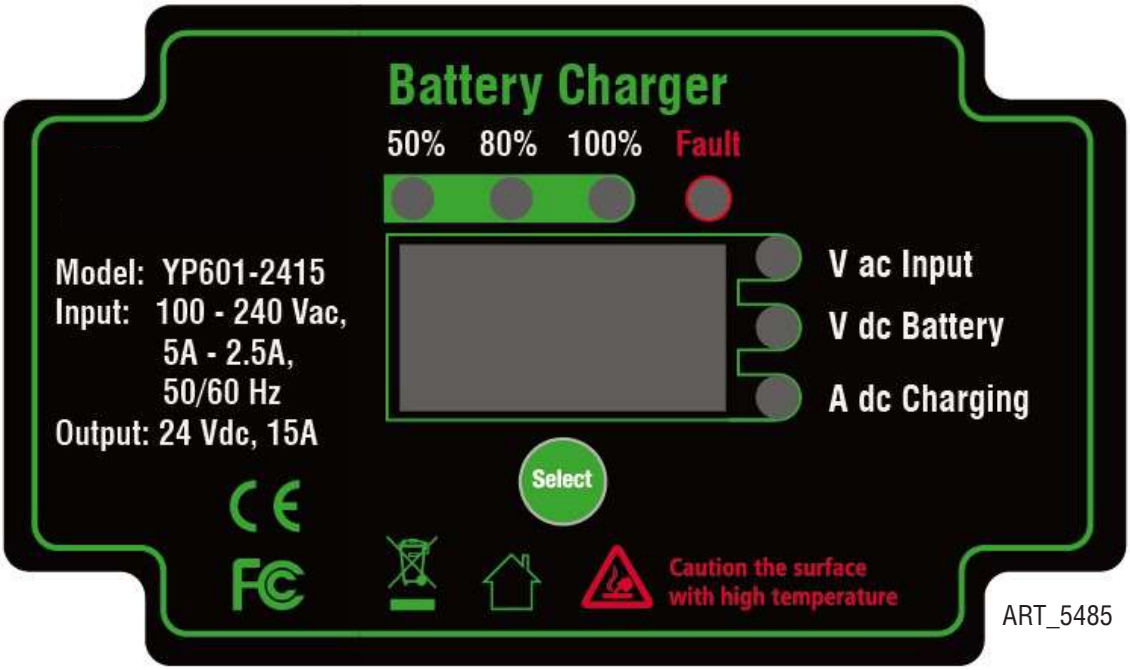


No.	Item	Specification	Frequency
1	Hydraulic Reservoir	Mobile Fluid DTE 10, DTE 13 M, or AW32 **Do not substitute other fluids as pump damage may result.** Check as shown above with platform in the stowed position. Fill as needed.	**Routine Maintenance** Check hydraulic oil level every week **Scheduled Maintenance** Change yearly or every 600 hours, whichever occurs first.
2	Hydraulic Cap Breather Filter and Hydraulic Filter	Breather Filter (located inside Filler Cap) Hydraulic Filter Canister	**Scheduled Maintenance** **Normal Conditions** Change every six months or 300 hours, whichever occurs first **Severe Conditions -- Very dusty,** exceptionally hot or exceptionally cold conditions Change every three months or 150 hours, whichever occurs first.

Control Component Locations



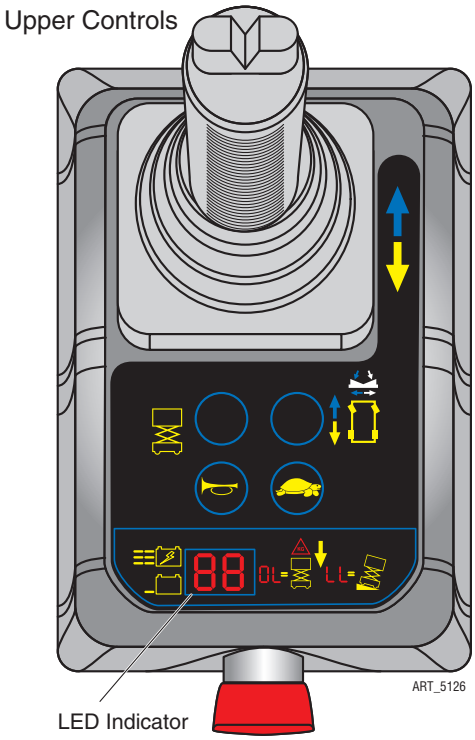
Battery Charger



1. The LED display shows 50%, 80% and 100% of battery capacity. When battery capacity is less than the LED marker, the display will blink. The display lights up when capacity has reached the marker level.
2. Fault LED lights up when irregularities are encountered, for example: high input voltage, no battery connected or over temperature of charger. When this red LED is on, the error code is on display.
3. The LED display can show input AC voltage, battery voltage and charge current the status. LED lights shows the specified status during the charging cycle.
4. When the AC is connected from the main, all LED displays should turn on for 10 seconds and also show the charge curve number. After this, the charger will start to work and the LED display shows AC input voltage, battery voltage and charge current.

Code	Cause Reason	Description
E01	Wrong battery voltage	Output is not connected to battery or battery is incorrectly connected.
E02	Input voltage is out of range.	Please check the input voltage is in 90V-260V.
E03	Battery temperature is too high.	Please locked the connecting terminal with the battery tightly.
E04	The internal temperature of the charger exceeds limit.	Don’t put anything over the surface of the charger.
E05	Wrong battery system connected.	The battery voltage not fit the charger.

Fault Codes



Fault Codes, when present, appear on the LED Indicator at the Upper Controls station.

Fault	Description	Models	Solutions
01/10	System Initialization Fault	All Models	Check the ECU.
02/20	System Communication Fault	All Models	1. Check the platform control. 2. Check the wiring on platform connector. 3. Check the ECU. 4. Check the battery. 5. Check the relay on ground control.
03	Invalid Option Setting	All Models	Reset the option code.
12	Chassis Up or Down Switch ON at power-up Fault	All Models	1. Check the wiring on toggle switch. 2. Check the toggle switch.
18	Pothole Guard Fault	All Models	1. Check the pothole board and switches. 2. Check the speed switch.
31	Pressure Sensor Fault	Micro 19	Check option code.
32	Angle Sensor Fault	All Models	1. Check wiring to angle sensor. a. Normal voltage range is 1.9-3.8V. 1. Check the option code.
42	Left turn switch ON at power-up	All Models	1. Check the left steer button. 2. Check the platform controller.
43	Right Turn Switch ON at power-up	All Models	1. Check the right steer button. 2. Check the platform controller.
46	Joystick Enable Switch ON at power-up	All Models	1. Wait several seconds when turn on the lift. 2. Check the joystick dead-man switch.
47	Joystick not in neutral at power-up	All Models	1. Check the joystick. 2. Check the platform controller.
52	Drive Forward Coil Fault	All Models	Check the option code.
53	Drive Reverse Coil Fault	All Models	Check the option code.
54	Lift Up Coil Fault	All Models	Check the lift solenoid and wiring.
55	Lift Down Coil fault	All Models	1. Check the down solenoid and wiring. 2. Check scissor harness for crushed or pinched wires.
56	Right Turn Coil Fault	All Models	Check the right steering solenoid and wiring.

57	Left Turn Coil Fault	All Models	Check the left steering solenoid and wiring.
58	General Brake Coil Fault • Brakes should be about 46 ohms	All Models	1. Check the brake module and wiring. 2. Check brakes and wiring. 3. Check the battery voltage.
60	Motor Controller Fault	All Models	Replace the motor controller.
61	Motor Controller Sensor Fault	All Models	1. Check the drive motor and wiring. 2. Check the drive motor controller and wiring.
62	Motor Controller Hardware Failsafe Fault	All Models	1. Cycle power. 2. Replace the Motor Controller.
63	Motor Controller Output Fault	All Models	1. Check the drive motor and wiring. 2. Check the drive motor controller and wiring.
64	Motor Controller SRO Fault	All Models	1. Look at motor enable delay. 2. Replace motor controller.
65	Motor Controller Throttle Fault	All Models	1. Check wiring to motor controller. 2. Make sure the correct throttle type is selected. 3. Replace motor controller.
66	Motor Controller Emergency Reverse Fault	All Models	1. Ensure that the Emergency Reverse Check parameter is off in the Motor Controller. a. Unable to do this option. 1. Replace motor controller.
67	Motor Controller HPD Fault	All Models	1. Look at motor enable delay. a. Unable to do this option. 1. Replace motor controller. 2. Check contactor. 3. Replace ECU.
68	Low Voltage Fault	All Models	1. Check battery voltage. 2. Charge batteries if necessary. 3. Check battery connections. 4. Check connection from ECU to PCU. 5. Check the voltage to the ECU and PCU.
69	High Neutral Current Fault	All Models	1. Motor controller thinks the brakes are on and the motors are still turning. a. This message comes just before other faults but should be ignored in those cases.
70	Steer Input Out of Range	All Models	1. Retrain the motor controller. a. Unable to do this option. 1. Check for loose wires. 2. Replace motor controller.
71	Motor Controller Main Contactor Fault	All Models	1. Check wiring to contactor. a. White and black wire could be off. 1. Check drive motor and wiring. 2. Check motor controller and wiring.
72	Motor Controller Over Voltage Fault	All Models	1. Check battery voltage. 2. Battery charger must be off. 3. Cycle power to machine. 4. Replace motor controller.
73	Motor Controller Thermal Cutback Fault	All Models	1. Drive or Lift Motor may be overheating. a. Let the lift cool down. 2. Cycle power to reset the Motor controller. 3. Replace motor controller.
74	Motor Controller Motor Fault	All Models	1. Check connections at motors. “motor open” 2. Cycle power to the lift. 3. Replace motor controller.
75	Motor Controller Pump Motor Fault	All Models	1. Check connections to the Pump Motor. 2. Cycle power to the lift. 3. Replace motor controller.
76	Motor Controller Left Drive Motor Fault	All Models	1. Check connections to the motors. 2. Cycle power to the lift. 3. Replace motor controller.

77	Motor Controller Right Drive Motor Fault	All Models	1. Check connections to the motors. 2. Cycle power to the lift. 3. Replace motor controller.
78	Pump Motor Short Fault • Should be 0.8 to 1.4 ohms	All Models	1. Check connections to the pump motor. 2. Cycle power to the lift. 3. Replace motor controller.
79	Left Drive Motor Short Fault • Should be 0.5-2.0 ohms	1930SE Only	1. Check the left drive motor and wiring. 2. Check the ZAPI drive controller and wiring.
		Micro 19	1. Swap wires on drive motors. • If code changes its in wiring If code doesn't change its in motor controller.
80	Over 80% Load Warning	All Models	Platform is getting close to limit of weight.
81	Right Drive Motor Short	1930SE / Micro	1. Check the right drive motor and wiring. 2. Check the motor controller and wiring.
82	Right Brake Coil • Brakes should be about 46 ohms	1930SE / Micro	1. Check battery voltage. 2. Check contactor. 3. Check wiring to brakes. 4. Check wiring to drive motors. 5. Check motor controller and wiring.
		All Models	1. Check battery voltage. 2. Check the right motor brake and wiring. 3. Check the brake module and wiring. 4. Check contactor.
83	Left Brake Coil • Brakes should be about 46ohms	1930SE / Micro	1. Check battery voltage. 2. Check contactor. 3. Check wiring on brakes. 4. Check the wiring to drive motors. 5. Check the motor controller and wiring.
		All Models	1. Check battery voltage. 2. Check the left motor brake and wiring. 3. Check the brake module and wiring. 4. Check contactor.
85	Brake Release Switch Closed	1930SE / Micro	Turn brake release switch off.
86	Raised Brake Release Fault	1930SE Only	Brake release switch engaged.
87	Brake Release Switch Fault	1930SE Only	Brake release switch open.
89	Drive Motor Field Open	All Models	Check wiring on motors and motor controller.
90	Over 90% Load Warning	All Models	1. Platform getting close to weight capacity. 2. Consider not adding more load.
91	Left Drive Motor Short	All Models	Check wiring to motor and motor controller.
92	Right Drive Motor Short	All Models	Check wiring to motor and motor controller.
99	Over 99% Load Warning	All Models	Platform has reached its weight capacity.
OL	Platform overloaded	All Models	Remove the excess load immediately.
LL	Machine Tilted Beyond Safe Limits Fault	All Models	1. Check to see if machine is tilted. 2. Check wiring to and tilt sensor and all connections between. 3. Check tilt sensor.
CH	NOT A FAULT CODE	All Models	Indicates that key switch is in base controls.

OPTION CODES FOR MACHINES	
Micro 19	62
1930SE	62
2632SE	30
3346SE	30
4046SE	26
4555SE	26
Micro26	27

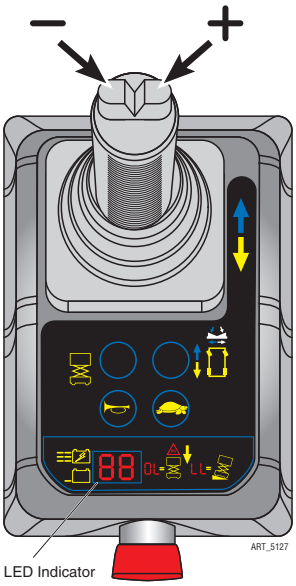
Failures that do not have a fault code associated:

Fault	Fault	Solutions
1	No drive, no alarm, the rest functions all good	1. Check the option code 2. Check the drive speed setting 3. Check the drive motor and wiring 4. Check the drive motor controller and wiring
2	No steering, no alarm, the rest functions all good	1. Check the steering function valve 2. Check the steering overflow valve 3. Check the steering speed setting 4. Check the steering cylinder
3	No lift, no alarm, the rest functions all good	Check to see if the hydraulic pump is working when lifted 1. Check to see if lift function is working 2. Check the up switch and ECU if not working
4	No down, no alarm, the rest functions all good	1. Check the down function valve 2. Check the cylinder orifice
5	No function, no alarm	1. Check the option code and speed setting 2. Check the joystick
6	7A fuse blown on ground control	1. Check the beacon and wiring 2. Check the tilt sensor and wiring 3. Check the platform controller 4. Check 7A Fuse
7	Platform lowers uncommented approximately 6 inches after lift	1. Check the relief valve on upper lift cylinder, increase the pressure by turning adjust screw clockwise 1/4 turn **Note:** Emergency down function will be affected by excessive increase
8	Platform lowers uncommented	1. Check the down function valve 2. Check the emergency lowering cable
9	Will not lift rated capacity	1. Check the lift relief valve by turning the adjuster screw clockwise 1/4 turn 2. Check the seal on lift relief valve 3. Check the seal on lift function valve 4. Check the pump
10	No power on machine	1. Check the platform control and wiring 2. Check the charger relay wiring 3. Check three power switches and wiring 4. Check the key switch and wiring on ground control 5. Check 7A and 250A/300A Fuse 6. Check the relay and wiring on ground control
11	No drive when elevated	Check the elevated drive speed setting
12	Slow drive speed in stowed position	Check the down limit switch and wiring
13	No Charging	1. Check the charger and wiring 2. Check the battery water, terminals, and wiring 3. Check the batteries for bad cells

Parameter Adjustment

WARNING

PARAMETERS SHOULD BE ADJUSTED ONLY IF THE FUNCTION IS OPERATING OUTSIDE OF MACHINE SPECIFICATIONS, OR IF WRITTEN APPROVAL IS OBTAINED FROM MEC PRIOR TO MAKING THE CHANGE.

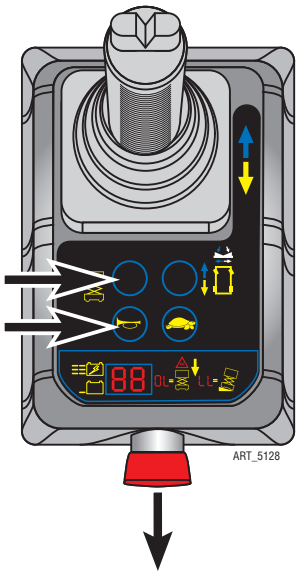


The following adjustments are made at the Platform Controls station using the LED Indicator to display the current settings. Follow the instructions to reach the desired setting.

Change the setting by using the Steer Buttons on top of the control handle. The right button increases the setting. The left button decreases the setting.

Number represent a percentage. 99 means 99%. 9°9 (dot between the digits) means 100%.

Speed Adjustment State

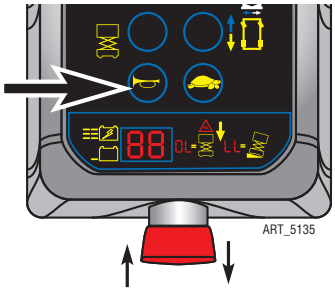


1. Set the keyswitch at the Base Controls to PLATFORM. Twist the Base Emergency Stop Switch out to the ON position.
2. Push the Platform Controls Emergency Stop Button in to the OFF Position.
3. Press and hold the HORN and LIFT buttons, then twist the Platform Emergency Stop Switch to the ON position.

4. “PS” and the current Lift Speed setting will alternate on the LED Indicator.

Refer to the following pages for individual operating adjustments.

Saving New Values



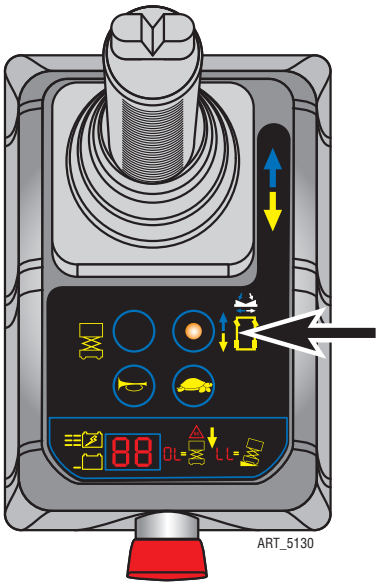
New values must be saved immediately after adjustment.

To save new values, press and hold the Horn button for 3 seconds.

To operate the machine with new values, press the Emergency Stop button, then rotate it to return to the ON position.

High Drive Speed

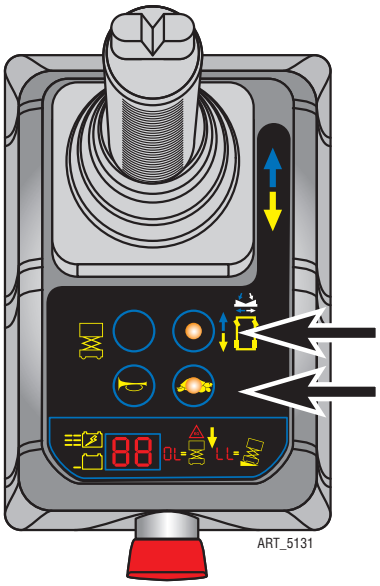
This parameter controls high speed drive when the platform is in the stowed position.



1. Press the Drive Mode Select button. The button will light up, indicating this mode is active, and the LED Indicator will show the present setting.
2. Adjust the speed using the steer left and steer right buttons on top of the Control Handle.
3. High Drive Speed may be changed from 00 to 9°9. Factory setting is 9°9.
4. Save the new setting (see above for “Saving New Values”).

Low Speed Drive

This parameter controls low speed drive when the platform is in the stowed position and Low Speed is selected (turtle icon).



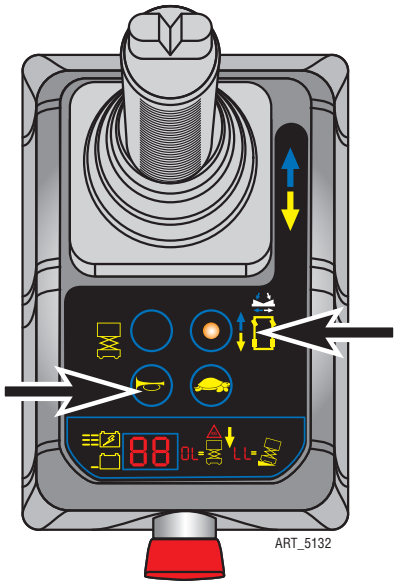
1. Press the Drive Mode Select button. The button will light up, indicating this mode is active.
2. Press and hold the Low Speed Mode Select button (turtle icon). The button will light up, and the LED Indicator will show the present setting.
3. Adjust the speed using the steer left and steer right buttons on top of the Control Handle.
4. Low Drive Speed can be set from 00 to 9°9, **but must not be set higher than 50.** Factory setting is 50.

DANGER **DO NOT ADJUST THE SETTING HIGHER THAN 50.**

5. Save the new setting (see “Saving New Values” on page 41).

Elevated Drive Speed

This parameter controls drive speed when the platform is elevated.



1. Press the Drive Mode Select button. The button will light up, indicating this mode is active.
2. Press and hold the Low Speed Mode Select button (turtle icon). The button will light up, indicating this mode is active.
3. Adjust the speed using the steer left and steer right buttons on top of the Control Handle.
4. Elevated Drive Speed can be set from 00 to 9°9, but must not be set higher than 50. Factory setting is 50.

DANGER **DO NOT ADJUST THE SETTING HIGHER THAN 50.**

5. Save the new setting (see “Saving New Values” on page 41).

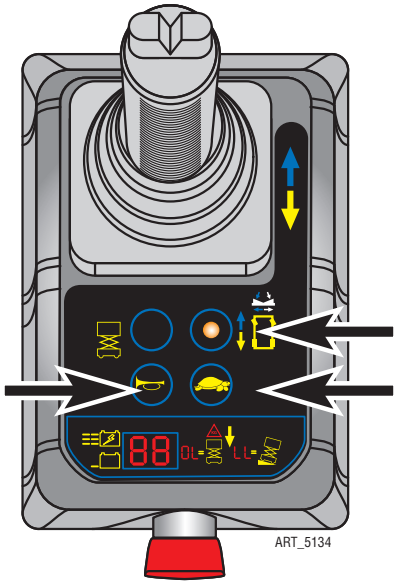
Lift Speed

This parameter controls the speed at which the platform elevates.

1. 1. Press the Lift Mode Select button. The button will light up, indicating this mode is active.
2. Adjust the speed using the steer left and steer right buttons on top of the Control Handle.
3. Elevated Drive Speed can be set from 00 to 9°9. Factory setting is 9°9.
4. Save the new setting (see “Saving New Values” on page 41).

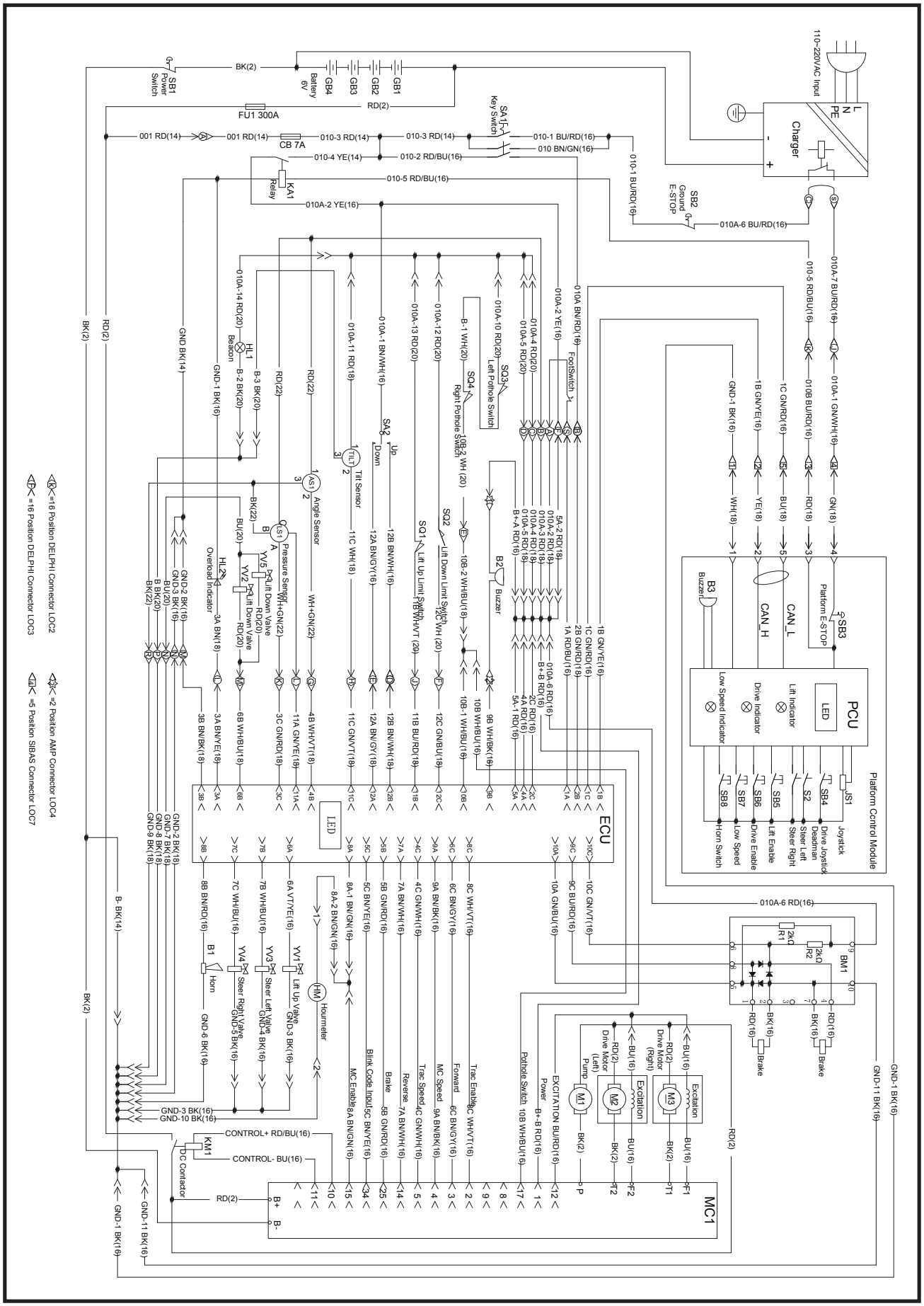
Steering Speed

This parameter controls speed at which the steering wheels turn.

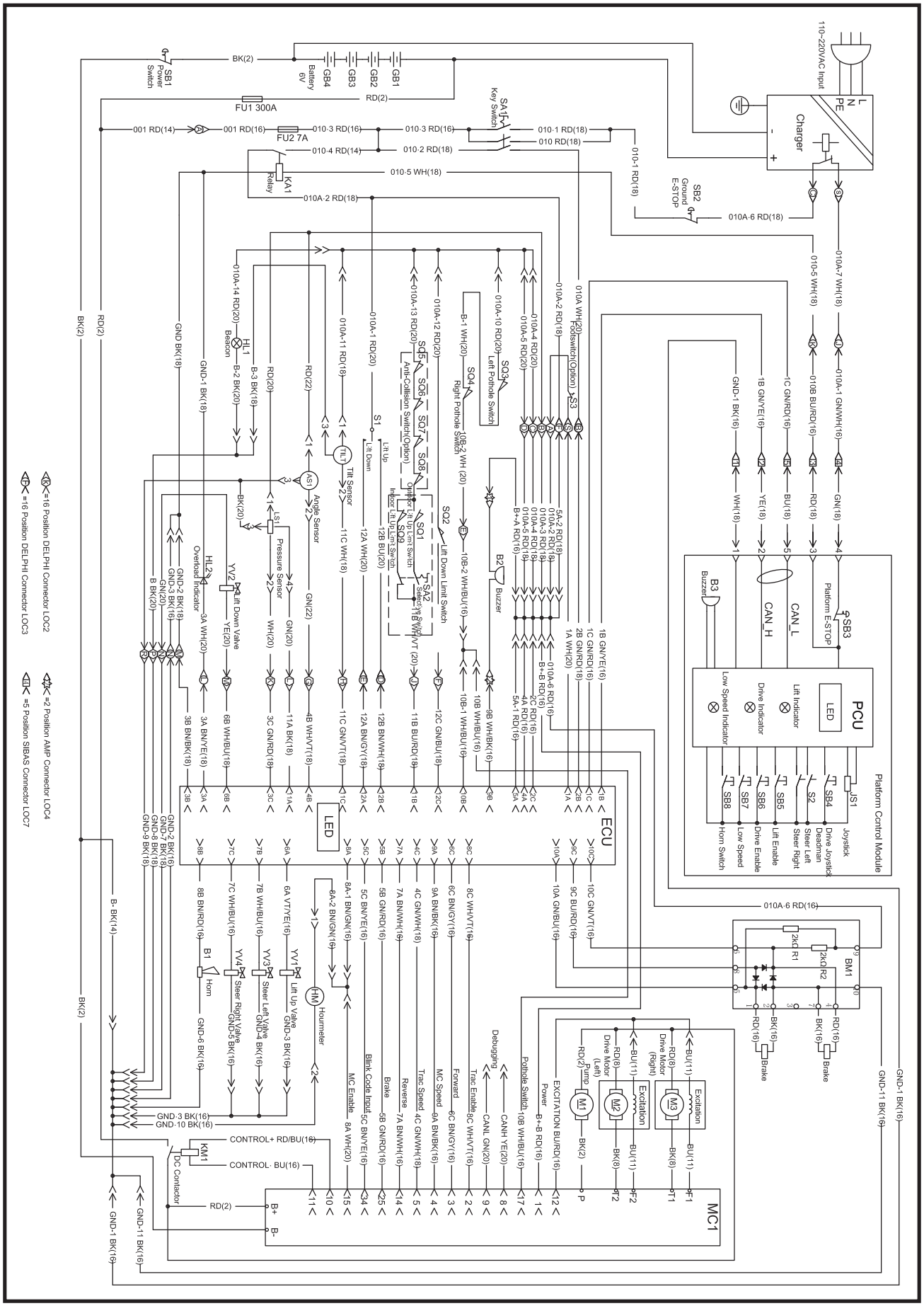


1. Press the Drive Mode Select button. The button will light up, indicating this mode is active.
2. Press **and hold** the Horn button and the Low Speed Mode Select button (turtle icon).
3. Adjust the speed using the steer left and steer right buttons on top of the Control Handle.
4. Steering Speed can be set from 00 to 9°9. Factory setting is 30.
5. Save the new setting (see “Saving New Values” on page 41).

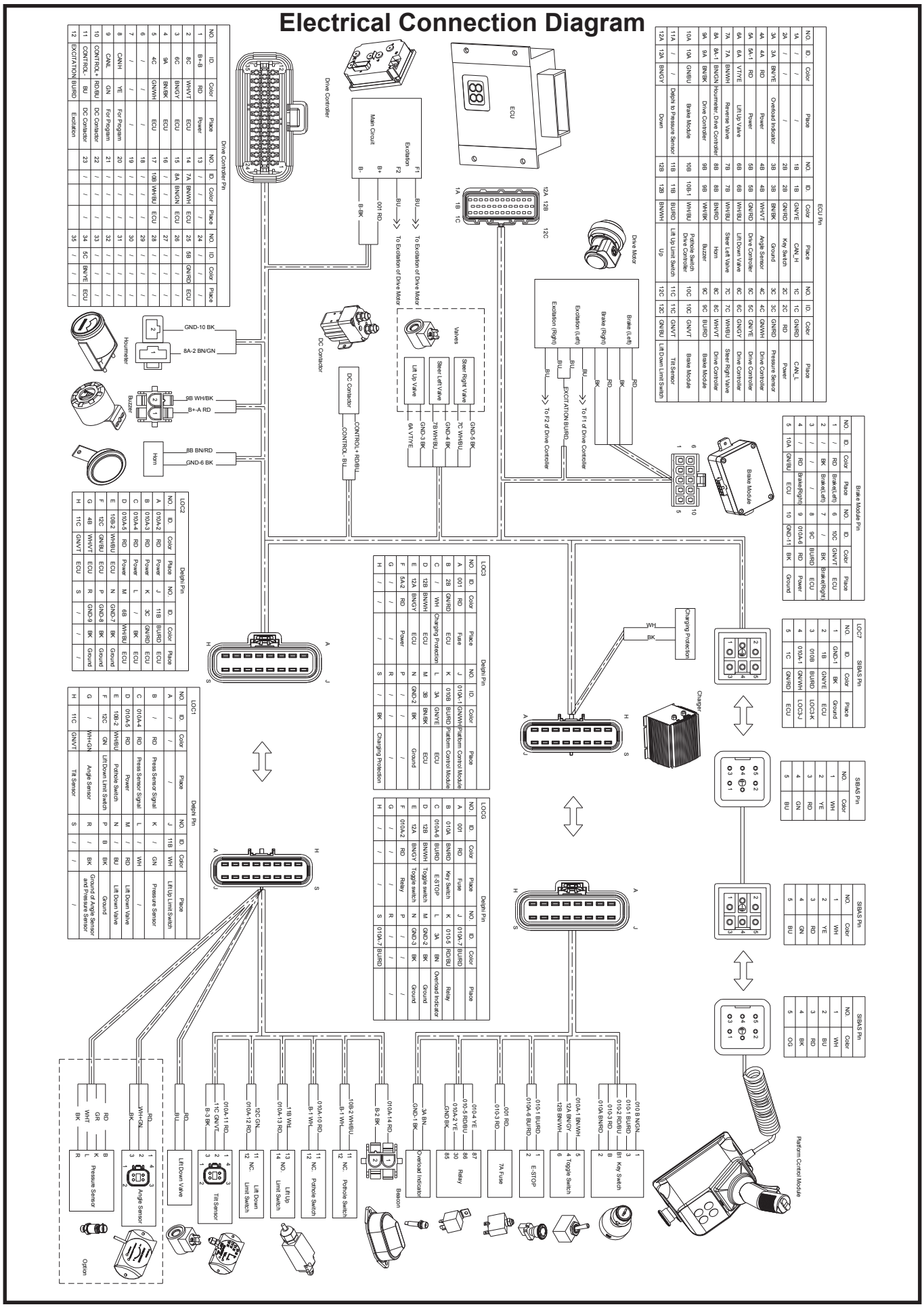
Electrical Schematic - Indoor Only



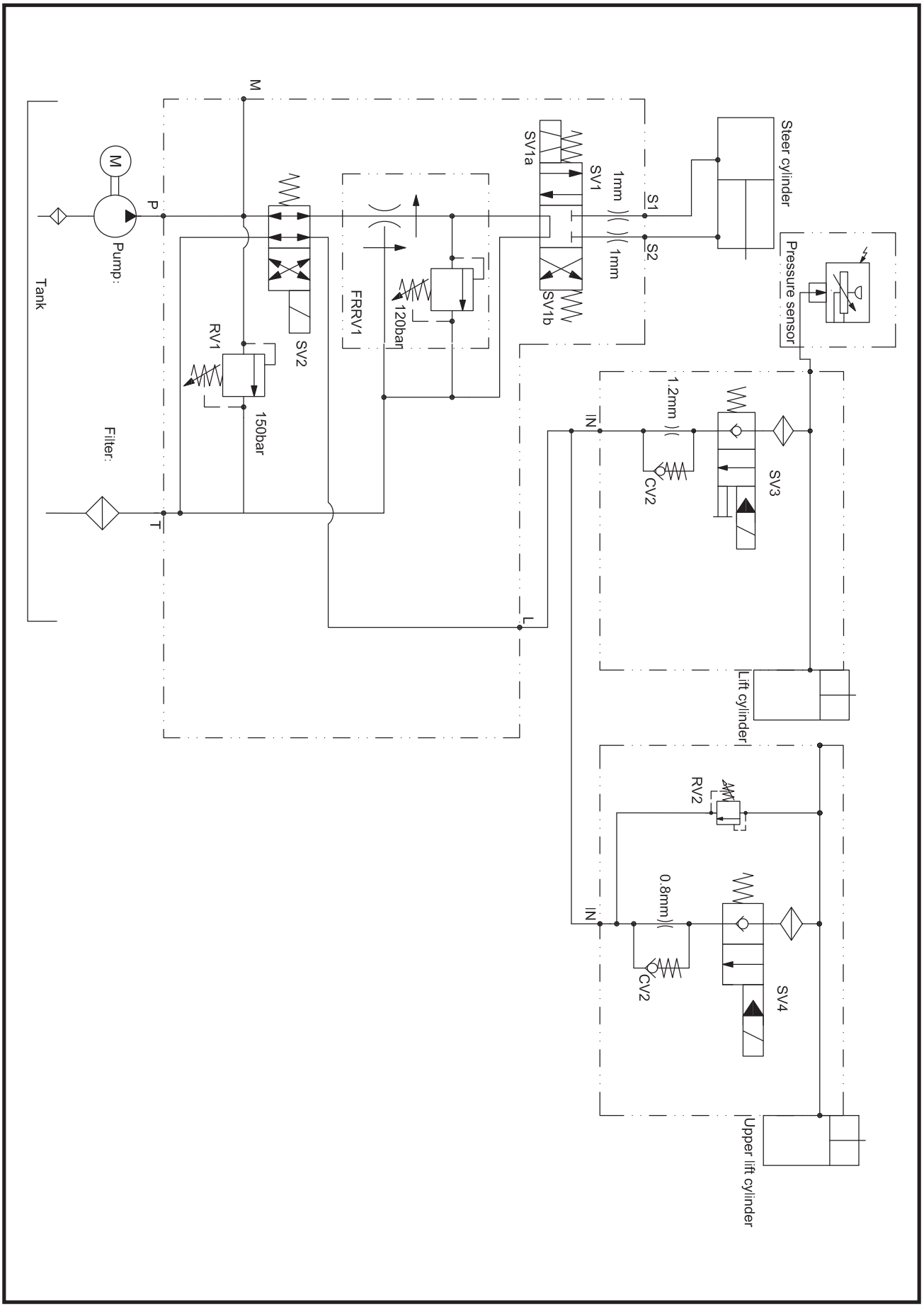
Electrical Schematic - Outdoor/Indoor



Electrical Connection Diagram



Hydraulic Schematic



Notes

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

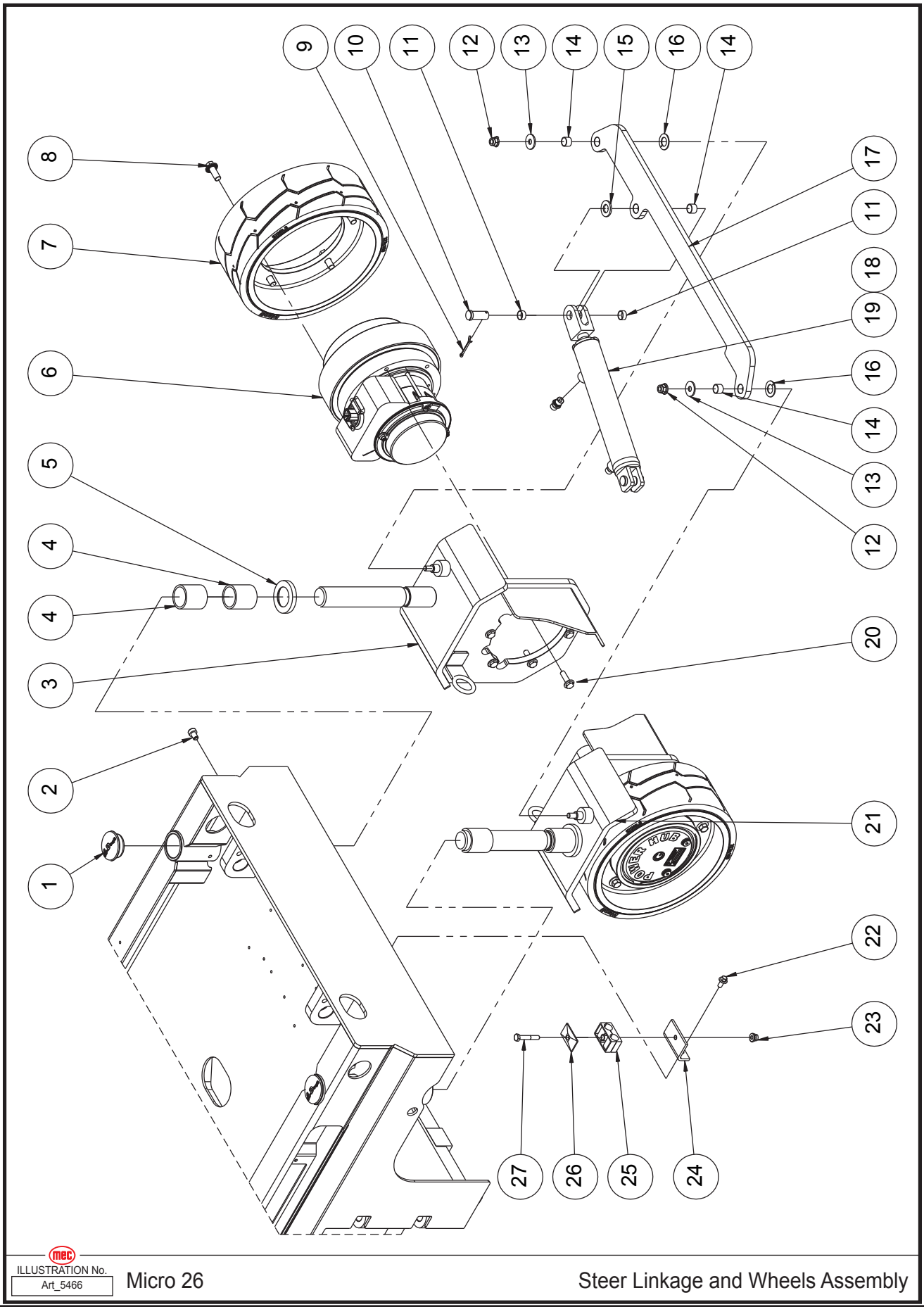


ILLUSTRATION No. Art_5466 Micro 26 Steer Linkage and Wheels Assembly

Item	Part Number	Description	Qty.
1	43554	Cover	2
2	41794	Screw	2
3	43555	Steer Yoke Weldment	1
4	43556	Bearing	4
5	43557	Washer	2
6	43558	Drive Motor Assembly	2
--	43559	Motor	1
--	43560	Reducer	1
--	43561	Brake	1
7	43562	Wheel	2
8	53184	HHCS M12-1.5 × 30 Serrated Flange	10
9	43563	Cotter Pin	2
10	41321	Pin	2
11	41225	Bearing	4
12	50311	NNYL M10-1.50 Flange	2
13	50002	WSHR M10 Standard Flat	2
14	41210	Bearing	4
15	43564	Washer	1
16	41222	Bearing	2
17	43565	Tie Rod	1
18	43076	Straight Fitting	2
19	41593	Steer Cylinder Assembly	1
--	41594	Seal Kit	1
20	50312	HHCS 3/8-16 × 1.125 Flange	12
21	43566	Steer Yoke Weldment	1
22	53194	HHCS M8-1.25 × 16 Serrated Flange	2
23	50313	NNYL M08-1.25 Flange	1
24	41425	Hose Clamp Support	1
25	43520	Hose Clamp	1
26	41415	Base Plate	1
27	50015	HHCS M08-1.25 × 50	1

Pothole Protection Assembly

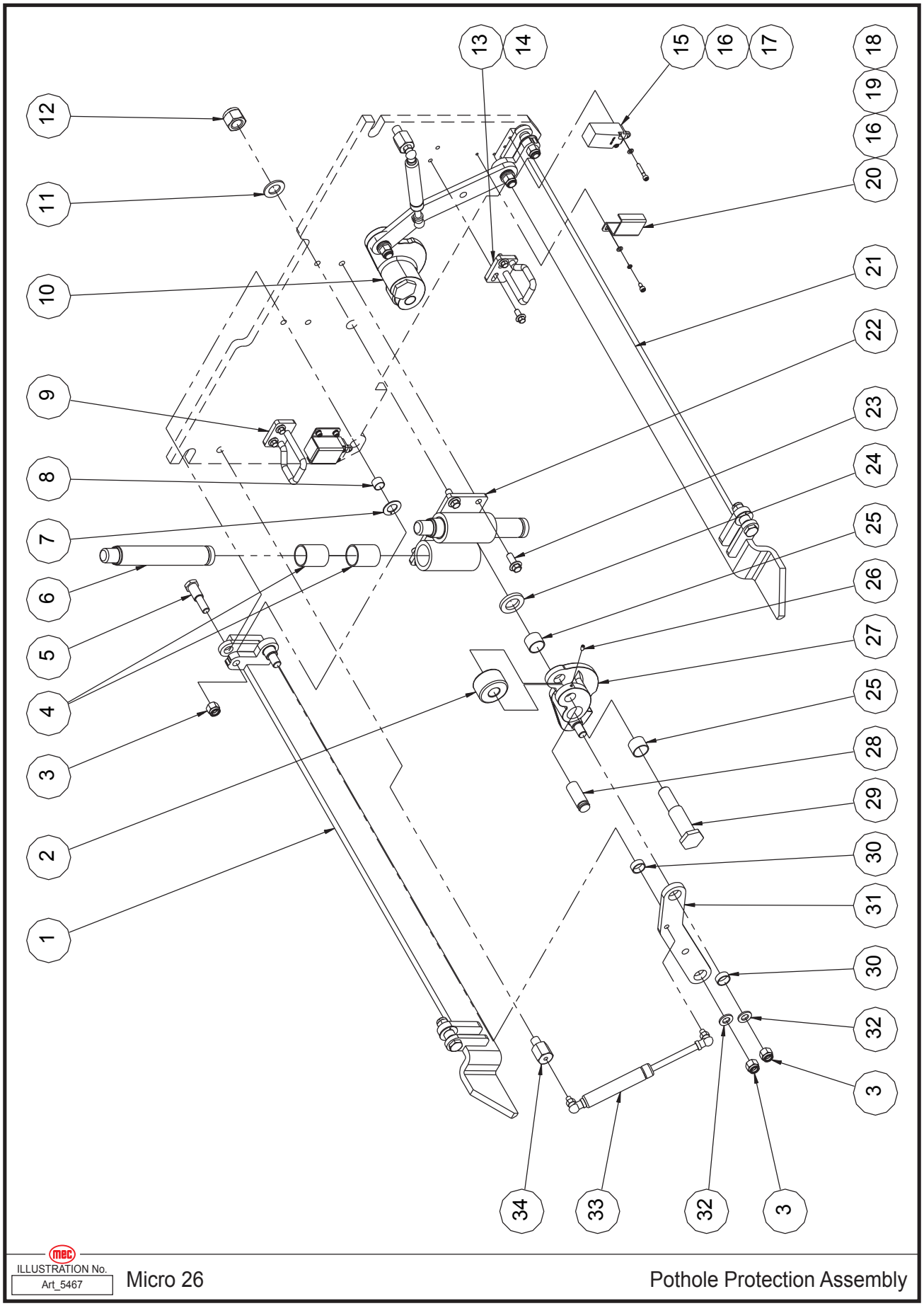


ILLUSTRATION No. Art_5467

Micro 26

Pothole Protection Assembly

Item	Part Number	Description	Qty.
1	43567	Pothole Guard Weldment	1
2	41049	Roller	2
3	50050	NNYL M12 × 1.75	8
4	43568	Bearing	4
5	41604	Pin	4
6	43569	Pothole Hole Pusher Assembly	2
7	41222	Bearing	4
8	41210	Bearing	4
9	41807	Lock Clasp	1
10	47093	Linkage Weldment	1
11	50005	WSHR M20 Standard Flat	2
12	50052	NNYL M20 × 2.5	2
13	41808	Lock Clasp	1
14	53194	HHCS M8-1.25 × 16 Serrated Flange	4
15	41036	Limit Switch	2
16	53038	WSHR M05 Standard Flat	8
17	53171	SHCS M05-0.8 × 30	4
18	53173	SHCS M05-0.8 × 10	4
19	53043	WSHR M5 Spring Washer	4
20	41035	Switch Cover	2
21	43570	Pothole Guard Weldment	1
22	41395	Pothole Guide	1
23	50429	HHCS M10-1.50 × 25 Serrated Flange	4
24	41040	Washer	2
25	41046	Bearing	4
26	53283	Set Screw M05-0.80 × 10 Cone Point	2
27	47092	Linkage Weldment	1
28	41048	Pin	2
29	41047	Pin	2
30	41214	Bearing	4
31	43571	Pothole Link Plate	2
32	50003	WSHR M12 Standard Flat	4
33	41045	Gas Shock	2
34	43573	Gas Shock Mount	2

Battery Pack Module

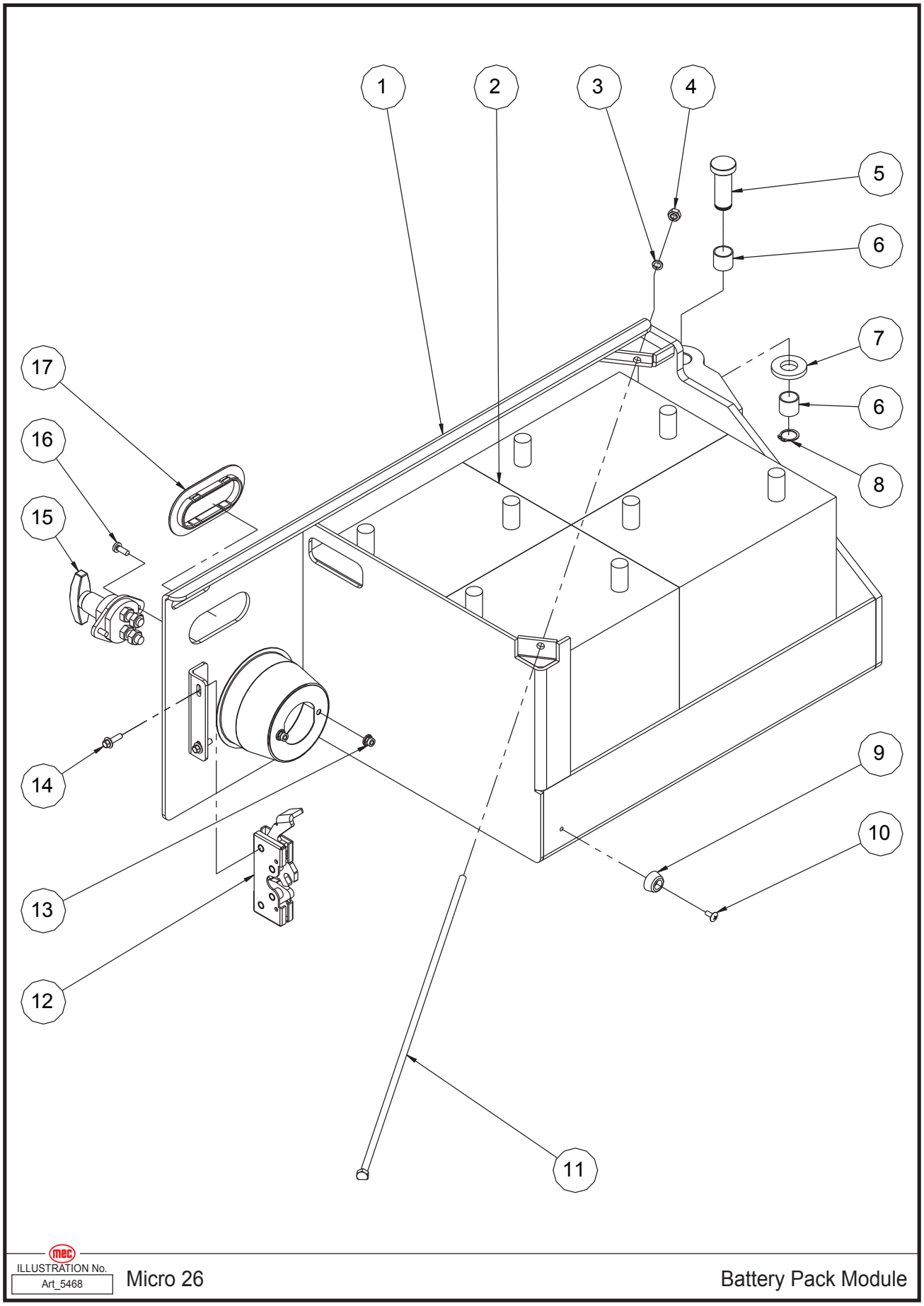


ILLUSTRATION No. Art_5468 Micro 26 Battery Pack Module

Item	Part Number	Description	Qty.
1	41815	Battery Tray Weldment	1
2	41403	Battery - Trojan T105	4
3	53055	WSHR M8 Spring Washer	1
4	53014	NHEX M08-1.25	1
5	41813	Hinge Pin	2
6	41037	Bearing	4
7	41814	Washer	2
8	43574	Circlips	2
9	41120	Bumper	1
10	53224	THMS M05-0.8 × 12	1
11	43575	Threaded Rod	1
12	42896	Latch (Left)	1
13	50568	NNYL M06-1.00 Flange	2
14	53255	HHCS M06-1.00 × 20 Serrated Flange	2
15	41607	Power Switch	1
16	53231	PHMS M06-1.00 × 16	2
17	41068	Handle Hole Ring	1

Power Unit Module

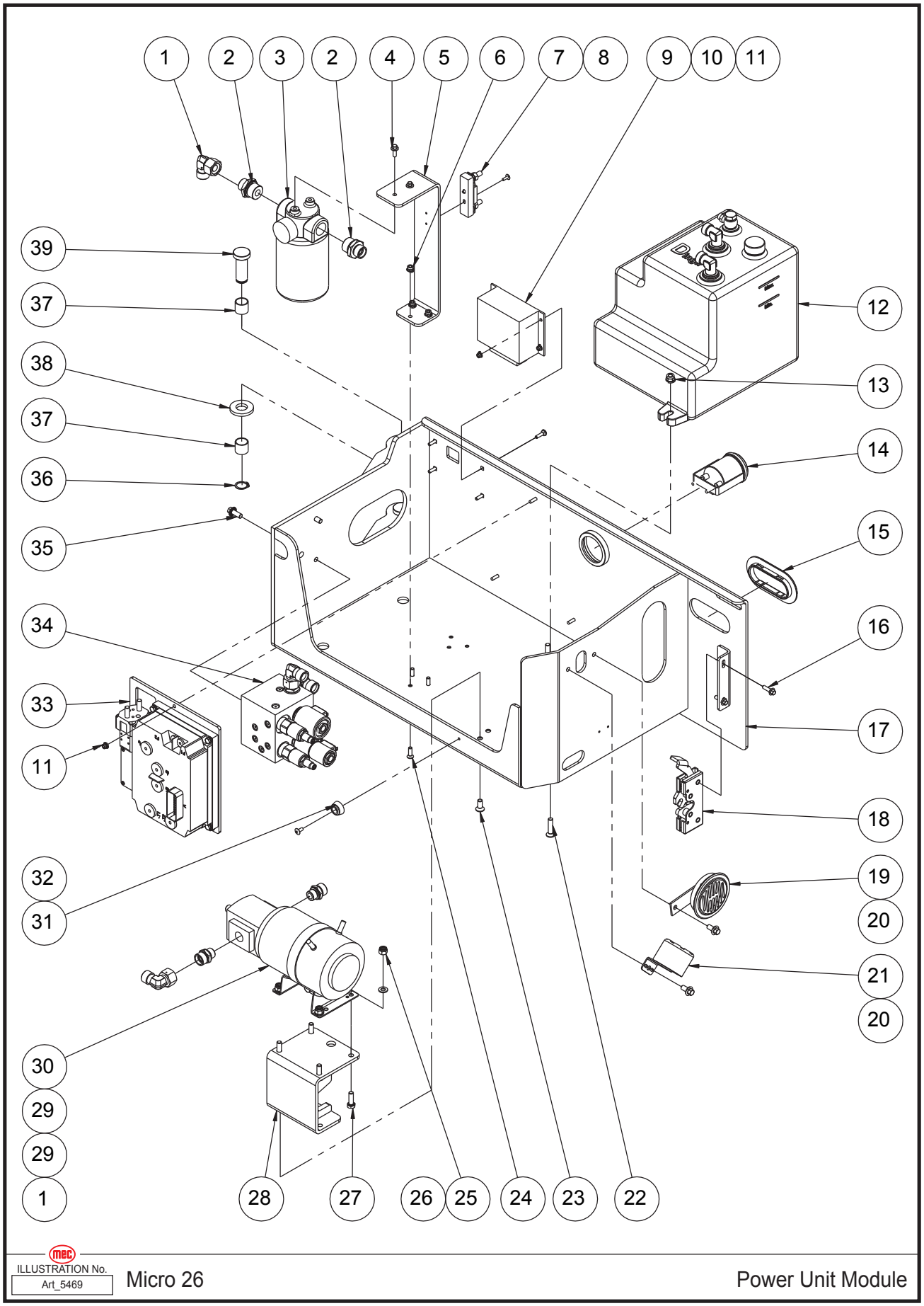


ILLUSTRATION No. Art_5469 Micro 26 Power Unit Module

Item	Part Number	Description	Qty.
1	43206	Elbow	2
2	43576	Straight Fitting	2
3	41077	Filter Assembly	1
--	41078	Filter Element	1
4	53256	HHCS M06-1.00 × 16 Serrated Flange	2
5	43577	Filter Bracket	1
6	50568	NNYL M06-1.00 Flange	3
7	43578	300A Fuse Assembly	1
--	41091	300A Fuse	1
--	41092	Fuse Seat	1
8	53284	THMS M04-0.70 × 12	2
9	42436	Controller	1
10	43579	Screw	4
11	53281	NNYL M05-0.80 Flange	7
12	REF	Hydraulic Tank Assembly (Refer To Page 58)	1
13	50313	NNYL M08-1.25 Flange	2
14	41070	Hour Meter	1
15	41068	Handle Hole Ring	1
16	53255	HHCS M06-1.00 × 20 Serrated Flange	2
17	43580	Hydraulic Tray Weldment	1
18	41067	Latch (Right)	1
19	41075	Horn	1
20	53194	HHCS M8-1.25 × 16 Serrated Flange	2
21	41074	Alarm	1
22	53071	CSCS M08-1.25 × 35	2
23	53282	CSCS M08-1.25 × 20	3
24	50561	CSCS M06-1.00 × 20	3
25	50048	NNYL M08 × 1.25	4
26	50001	WSHR M08 Standard Flat	4
27	50031	HHCS M08-1.25 × 25	4
28	43581	Motor Bracket	1
29	43582	Straight Fitting	2
30	41608	Pump Motor Assembly	1
--	41609	Pump	1
--	41820	Motor	1
31	41120	Bumper	1
32	53224	THMS M05-0.8 × 12	1
33	REF	Motor Controller Assembly (Refer To Page 60)	1
34	41081	Function Manifold (Refer To Page 84)	1
35	53257	HHCS M08-1.25 × 20 Serrated Flange	4
36	43574	Circlips	2
37	41037	Bearing	4
38	41814	Washer	2
39	41813	Hinge Pin	2

Hydraulic Tank Assembly

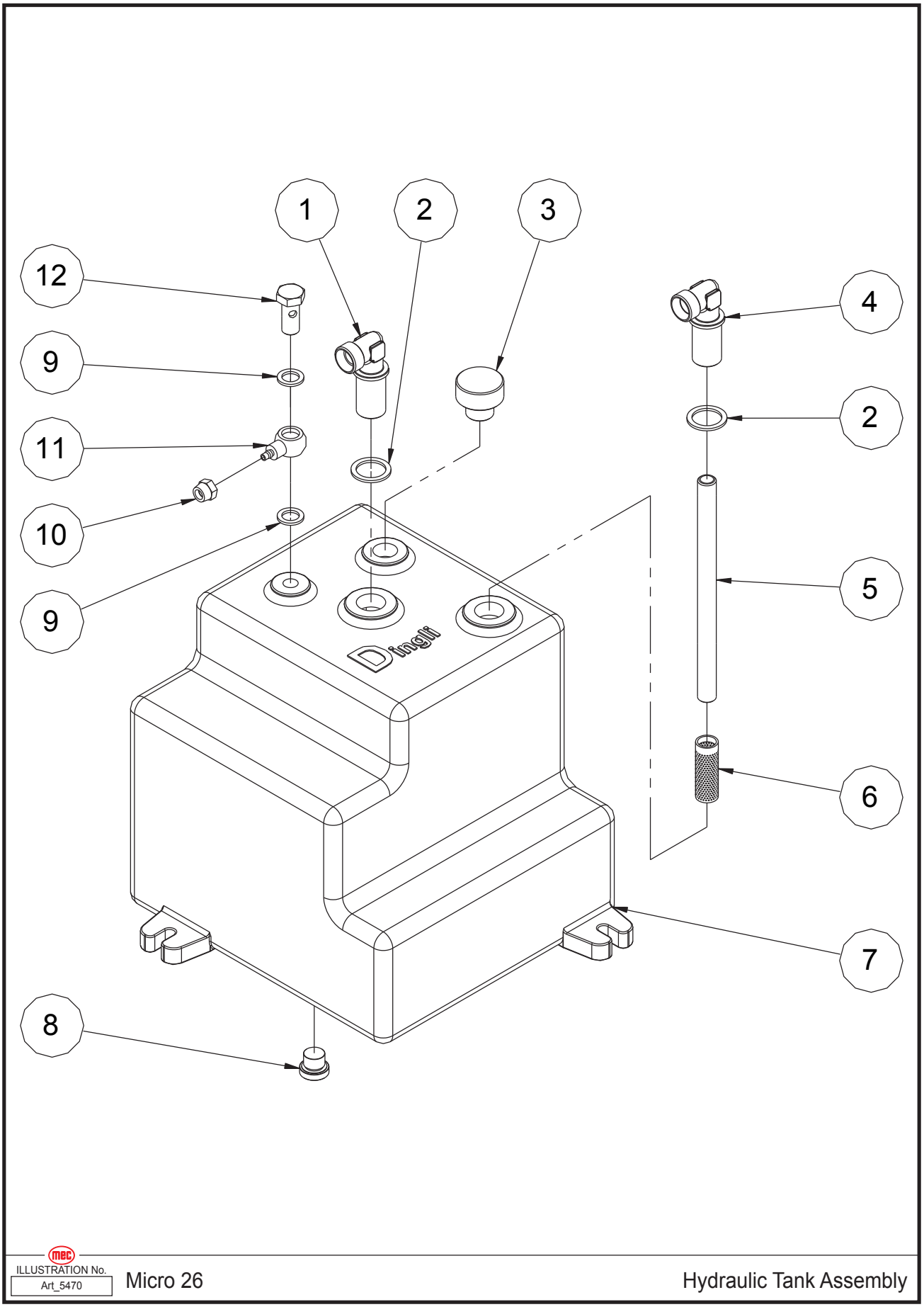


ILLUSTRATION No. Art_5470 Micro 26 Hydraulic Tank Assembly

Item	Part Number	Description	Qty.
1	41085	Fitting	1
2	53258	WSHR M22 Standard Flat	2
3	41082	Breather	1
4	41826	Fitting	1
5	41825	Suction Pipe	1
6	41824	Filter	1
7	43583	Tank	1
8	41087	Plug	1
9	53215	WSHR M13 Standard Flat	2
10	41413	Nut	1
11	41167	Fitting	1
12	41166	Fitting	1

Motor Controller Assembly

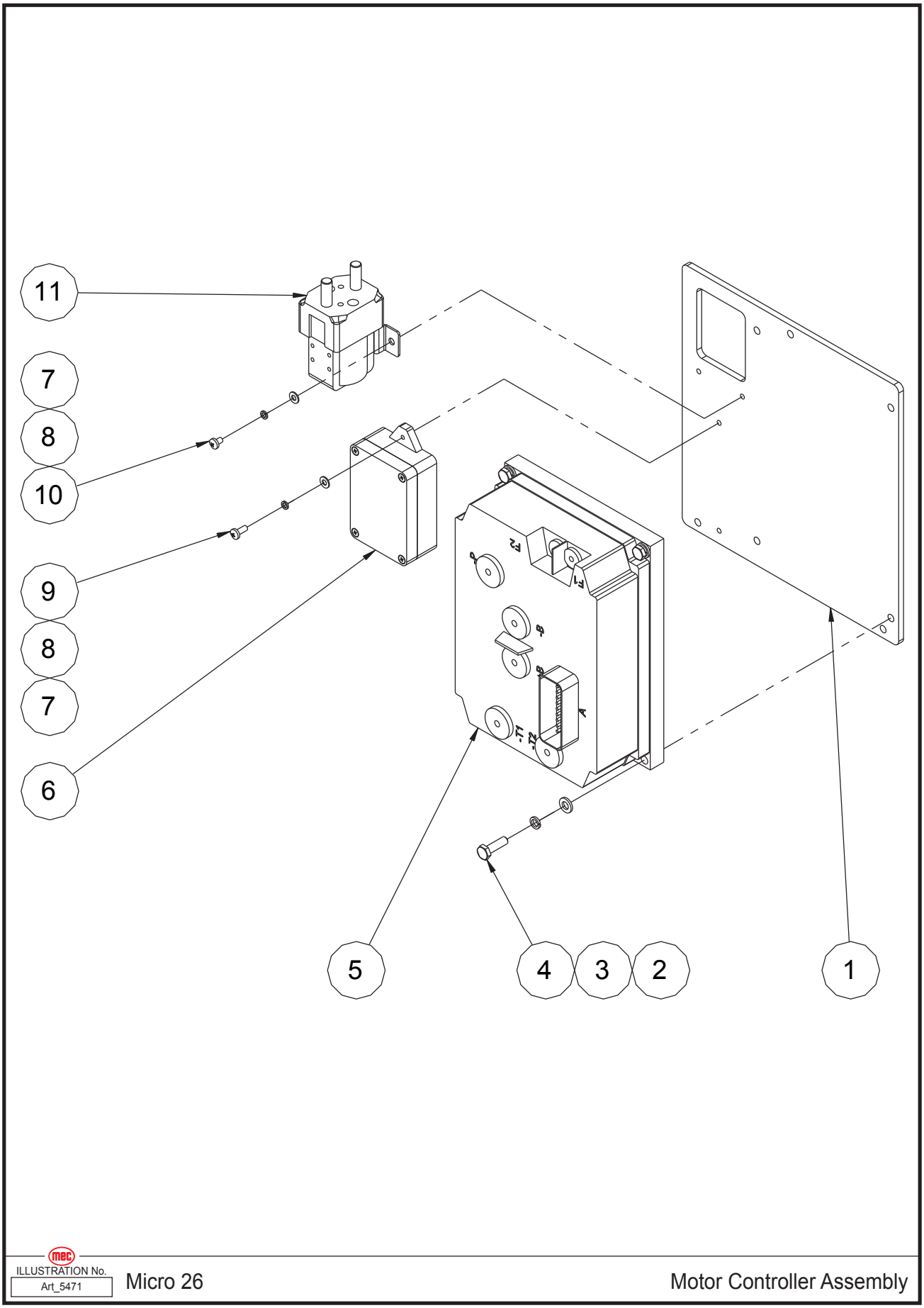


ILLUSTRATION No. Art_5471

Micro 26

Motor Controller Assembly

Item	Part Number	Description	Qty.
1	43584	Mounting Plate	1
2	50000	WSHR M06 Standard Flat	4
3	53046	WSHR M06 Spring Washer	4
4	50028	HHCS M06-1.00 × 20	4
5	41093	Motor Controller	1
6	41094	Brake Module	1
7	50284	WSHR M04 Standard Flat	4
8	53062	WSHR M04 Spring Washer	4
9	53259	PHMS M04-0.70 × 10	2
10	53220	PHMS M04-0.7 × 6	2
11	41331	DC Contactor	1

Rear Wheel and Ladder

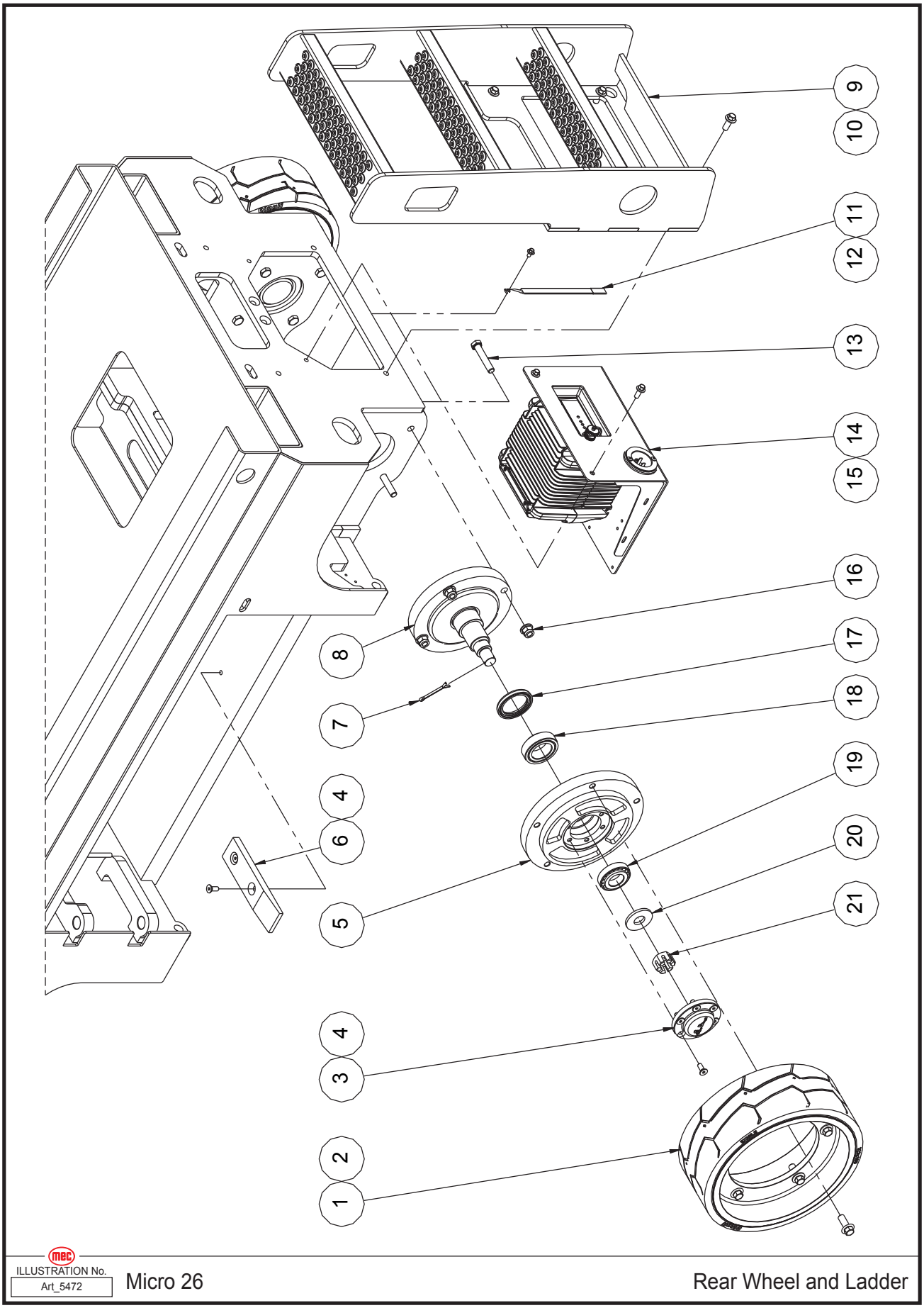


ILLUSTRATION No. Art_5472 Micro 26 Rear Wheel and Ladder

Item	Part Number	Description	Qty.
1	43562	Wheel	2
2	53184	HHCS M12-1.5 × 30 Serrated Flange	10
3	41328	Cap	2
4	53282	CSCS M08-1.25 × 20	16
5	41025	Bearing Seat	2
6	41002	Spacer	2
7	43585	Cotter Pin	2
8	43586	Spindle	2
9	43587	Ladder	1
10	50429	HHCS M10-1.50 × 25 Serrated Flange	4
11	41003	Ground Strap	1
12	53260	HHCS M06-1.00 × 10 Serrated Flange	1
13	53290	HHCS M12-1.75 × 65 Flange	8
14	REF	Charger Assembly (Refer To Page 64)	1
15	53257	HHCS M08-1.25 × 20 Serrated Flange	2
16	53261	NNYL M12-1.75 Flange	8
17	43588	Seal	2
18	41029	Bearing 33008	2
19	41024	Bearing 30206	2
20	41304	Washer	2
21	53262	CASTLE Nut M22 × 1.50	2

Charger Assembly

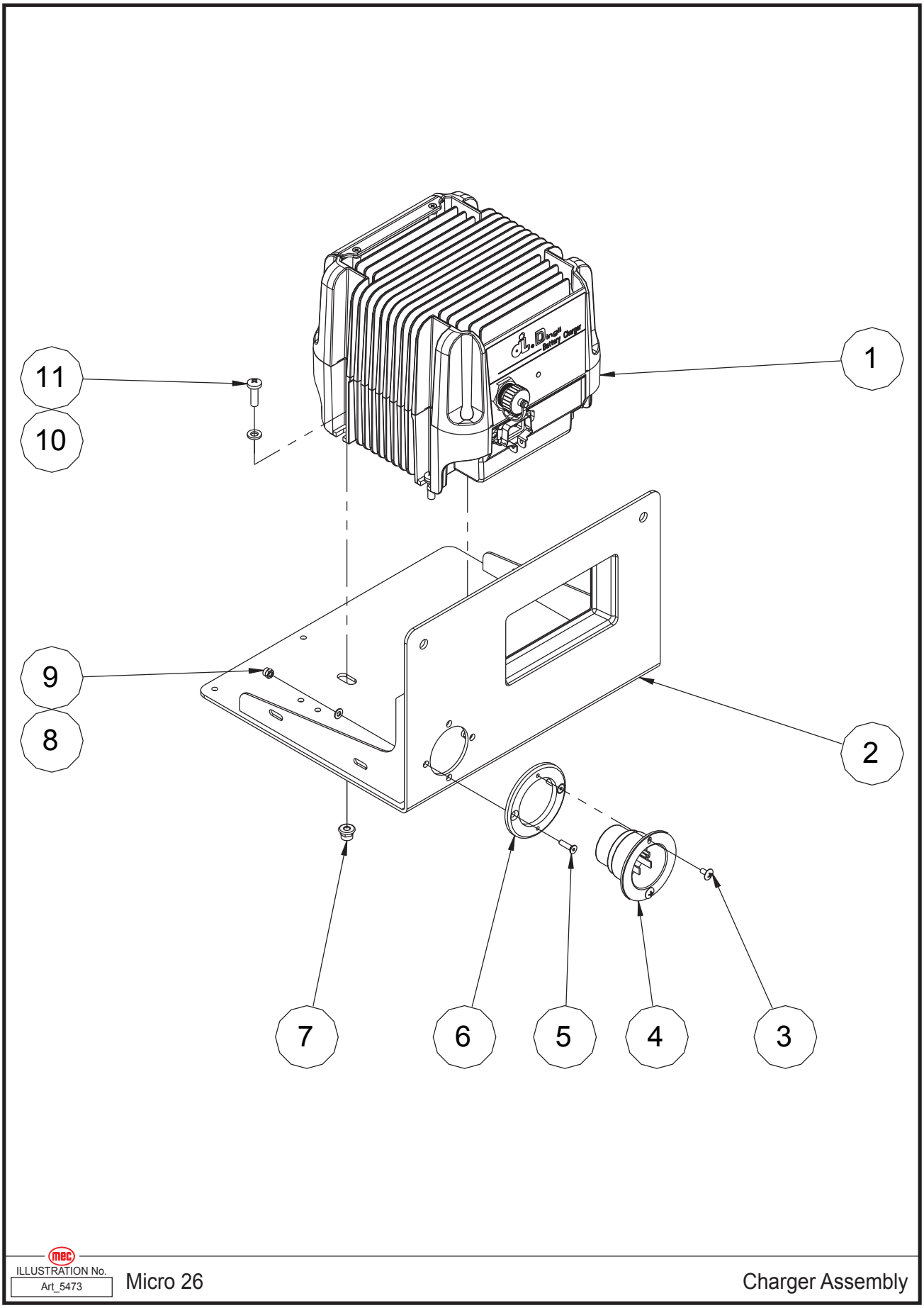


ILLUSTRATION No. Art_5473 Micro 26 Charger Assembly

Item	Part Number	Description	Qty.
1	42903	Charger	1
2	43590	Charger Bracket Weldment	1
3	53263	THMS M04-0.70 × 8	2
4	41575	Plug	1
5	53221	CSCS M04-0.7 × 16	2
6	43591	Plug Bracket	1
7	50568	NNYL M06-1.00 Flange	4
8	50284	WSHR M04 Standard Flat	2
9	50285	NNYL M04 × 0.7	2
10	50000	WSHR M06 Standard Flat	4
11	53264	PHMS M06-1.00 × 20	4

Ground Control and Limit Switch

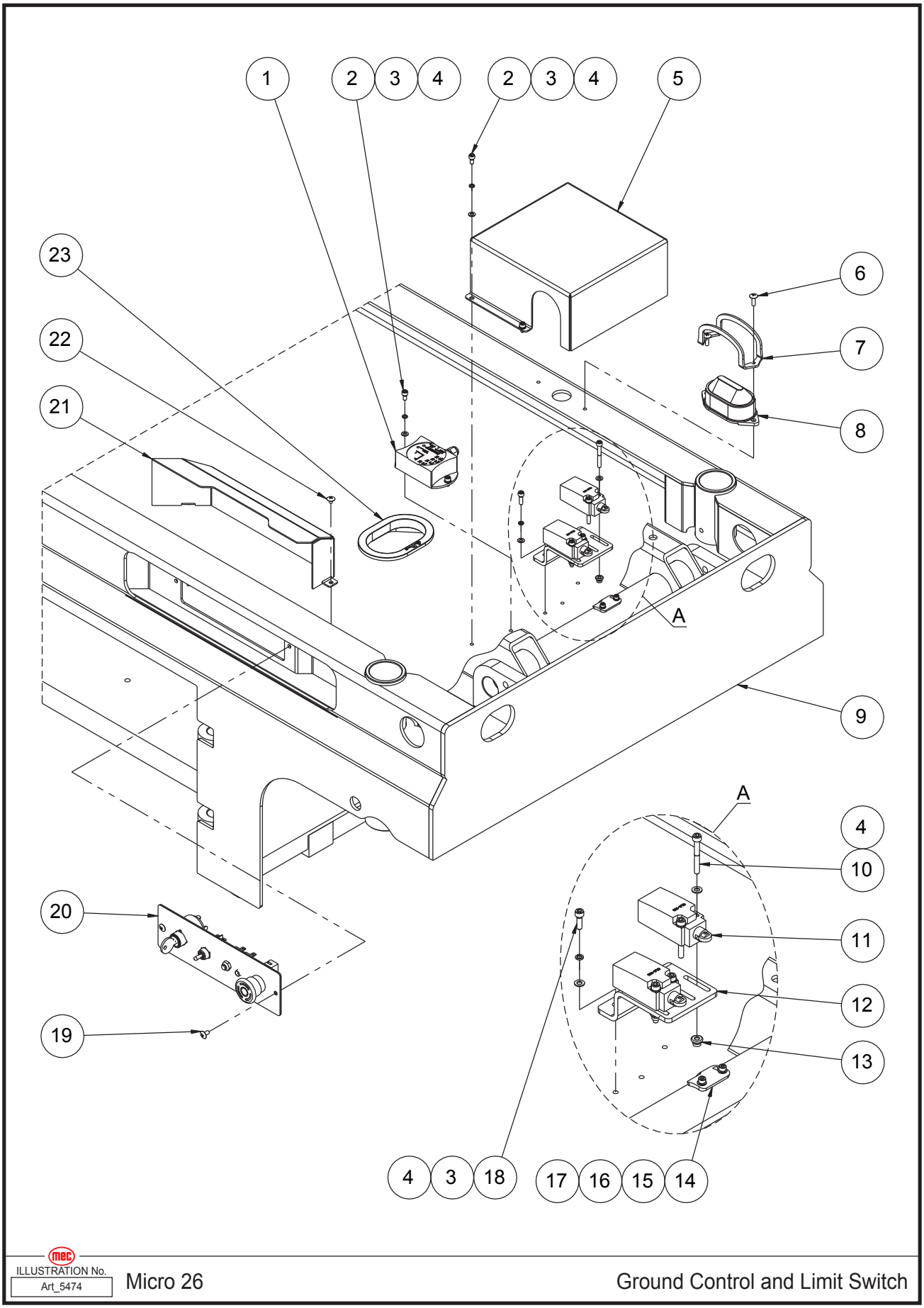


ILLUSTRATION No. Art_5474 Micro 26 Ground Control and Limit Switch

Item	Part Number	Description	Qty.
1	41098	Tilt Sensor	1
2	53173	SHCS M05-0.8 × 10	6
3	53043	WSHR M5 Spring Washer	8
4	53038	WSHR M05 Standard Flat	12
5	41829	Cover	1
6	53223	THMS M05-0.8 × 16	2
7	41309	Beacon Cover	1
8	41310	Beacon	1
9	43592	Frame Weldment	1
10	53067	SHCS M05-0.8 × 40	4
11	41036	Limit Switch	2
12	43593	Switch Bracket	1
13	53281	NNYL M05-0.80 Flange	4
14	43594	Signal Plate	1
15	50423	SHCS M04-0.7 × 12	2
16	53062	WSHR M04 Spring Washer	2
17	50284	WSHR M04 Standard Flat	2
18	50359	SHCS M05-0.8 × 16	2
19	53265	THMS M05-0.80 × 10	2
20	REF	Ground Control Assembly (Refer To Page 68)	1
21	41777	Cover	1
22	53266	THMS M05-0.80 × 6	2
23	41001	Sheath	1

Ground Control Assembly

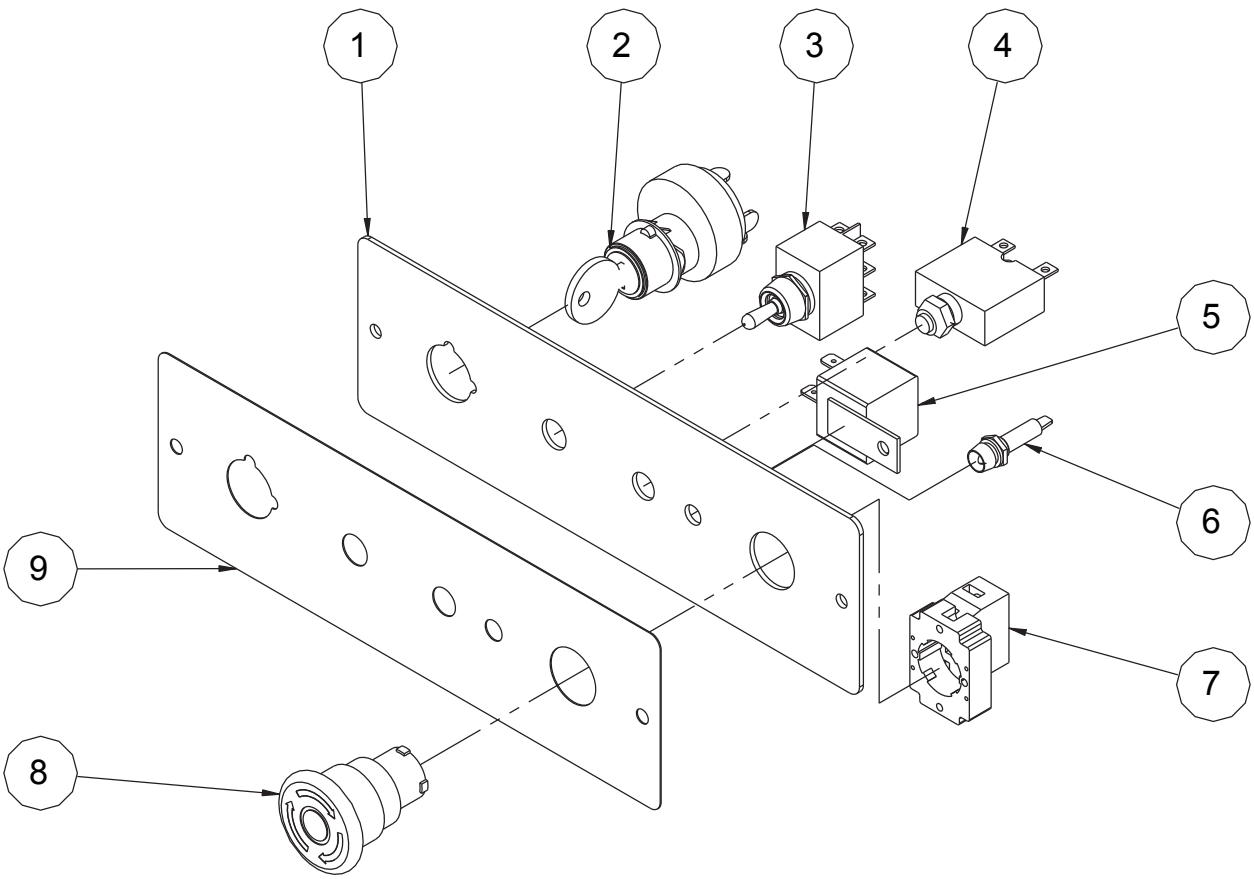


ILLUSTRATION No. Art_5475

Micro 26

Ground Control Assembly

Item	Part Number	Description	Qty.
1	41423	Ground Control Panel	1
2	41418	Key Switch	1
--	91574	Key	1
3	41419	Toggle Switch	1
4	41420	Circuit Breaker	1
5	41334	Relay	1
6	41421	Indicator	1
7	43097	Base With 1 NC Contact	1
8	43098	Red Mushroom Head	1
9	41631	Decal, Ground Control Panel	1

Scissor Assembly

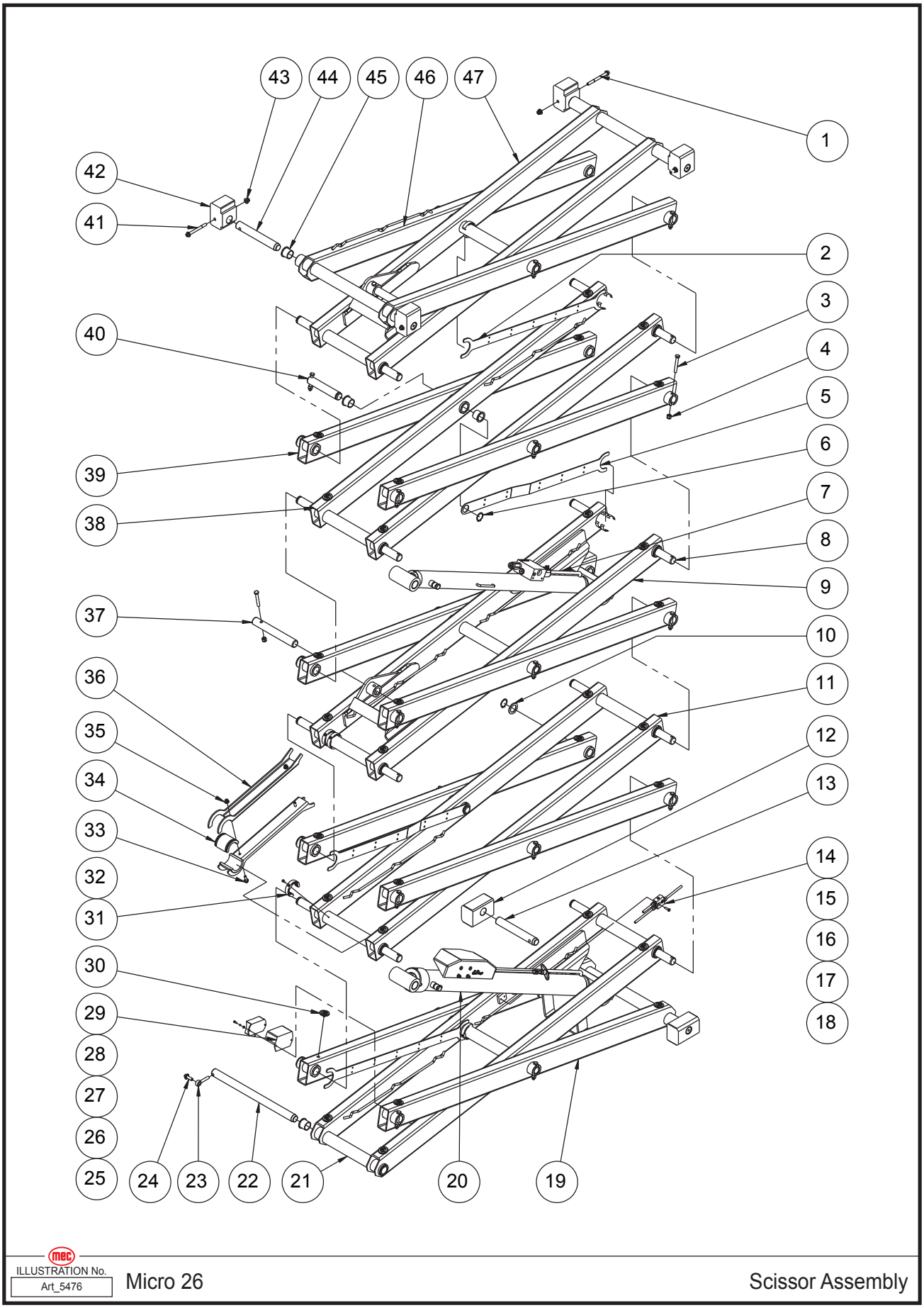


ILLUSTRATION No. Art_5476 Micro 26 Scissor Assembly

Item	Part Number	Description	Qty.
1	53267	HHCS M10-1.50 × 110 Flange	2
2	43595	Cable Bridge	2
3	50022	HHCS M10-1.50 × 70	21
4	50049	NNYL M10 × 1.50	21
5	43596	Cable Bridge	2
6	43597	Circlips	15
7	REF	Upper Lift Cylinder Assembly (Refer To Page 82)	1
8	41686	Pin	11
9	43598	Inner Arm 3	1
10	41688	Washer	13
11	43599	Inner Arm 2	1
12	41710	Chassis Slider	2
13	41692	Pin	2
14	41112	Hydraulic Hoses Manifolds	1
15	50386	CSCS M06-1.00 × 25	2
16	43600	Hose (To Lower Lift Cylinder)	1
17	43601	Hose (To Hydraulic Tank)	1
18	43068	Hose (To Upper Lift Cylinder)	1
19	43602	Outer Arm 1	1
20	REF	Lower Lift Cylinder Assembly (Refer To Page 80)	1
21	43603	Inner Arm 1	1
22	43604	Pin	1
23	43024	Pin	1
24	53268	HHCS M10-1.50 × 30 Serrated Flange	1
25	50483	SHCS M04-0.7 × 10	2
26	50284	WSHR M04 Standard Flat	2
27	53062	WSHR M04 Spring Washer	2
28	41110	Angle Sensor	1
29	41111	Sensor Cover	1
30	41114	Block	32
31	41691	Collar	8
32	53269	CSCS M05-0.80 × 16	8
33	53270	HHCS M08-1.25 × 25 Serrated Flange	2
34	41616	Safety Arm Bushing	2
35	50313	NNYL M08-1.25 Flange	2
36	41615	Safety Arm	2
37	41687	Pin	4
38	43605	Inner Arm 4	1
39	43606	Outer Arm 2	3
40	41689	Pin	4
41	53271	HHCS M10-1.50 × 100 Flange	2
42	43607	Platform Slider	4
43	50311	NNYL M10-1.50 Flange	4
44	41685	Pin	4
45	41706	Bearing	36
46	43608	Outer Arm 4	1
47	43609	Inner Arm 5	1

Main Platform Assembly

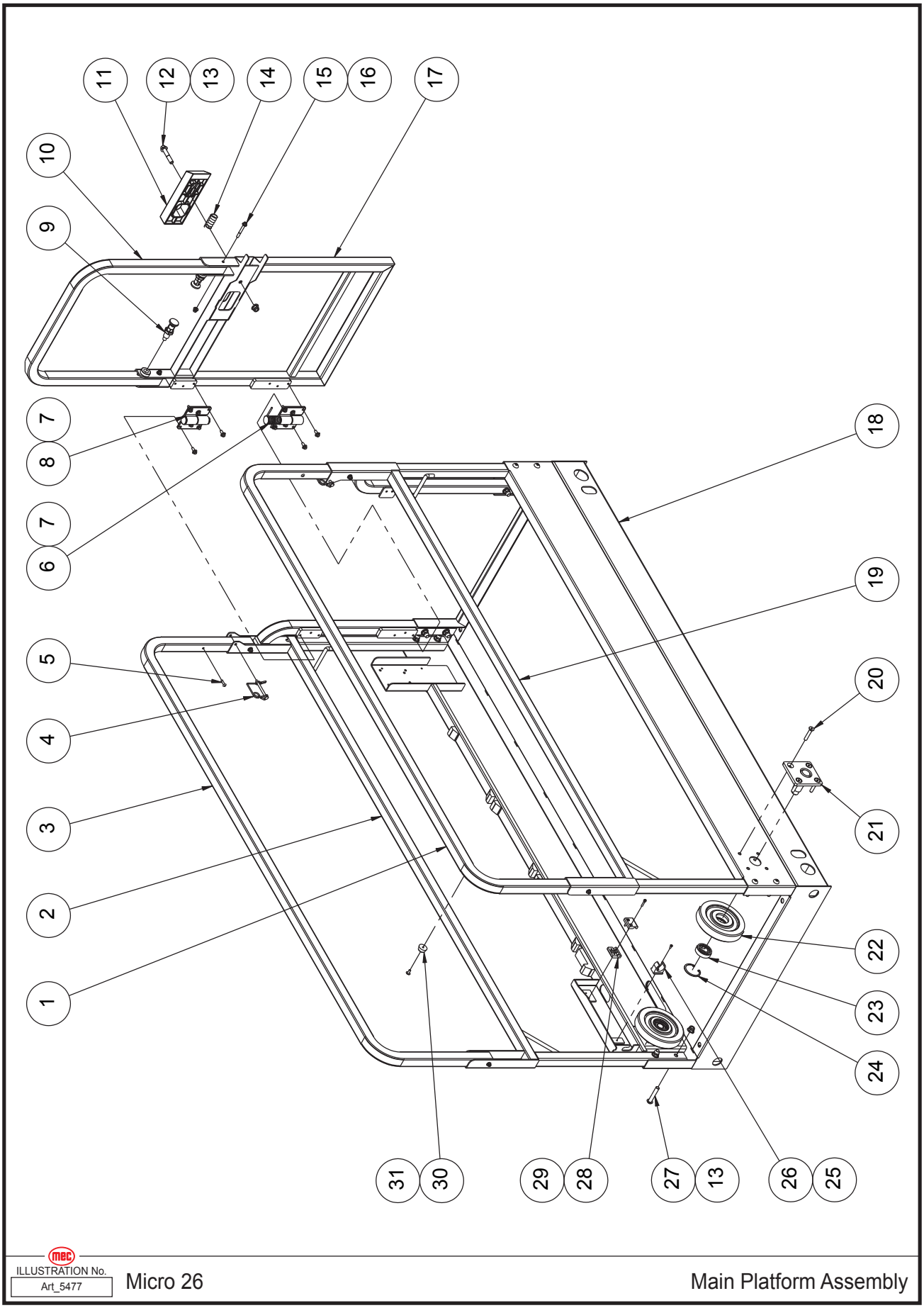


ILLUSTRATION No. Art_5477 Micro 26 Main Platform Assembly

Item	Part Number	Description	Qty.
1	43610	Upper Main Rail, Left	1
2	43611	Lower Main Rail, Right	1
3	43612	Upper Main Rail, Right	1
4	41357	Inserted Pin	2
5	43301	Rivet	2
6	41128	Hinge B	1
7	53273	HHCS M06-1.00 × 14 Serrated Flange	12
8	41127	Hinge A	1
9	43337	Lock Pin	2
10	43613	Door Rail	1
11	41124	Latch Handle	1
12	53272	HHCS M10-1.50 × 55 Flange	1
13	50311	NNYL M10-1.50 Flange	13
14	41125	Spring	1
15	53274	HHCS M06-1.00 × 50 Flange	6
16	50568	NNYL M06-1.00 Flange	6
17	43614	Entry Gate	1
18	43615	Main Deck Weldment	1
19	43616	Lower Main Rail, Left	1
20	53275	CSCS M08-1.25 × 45	8
21	41360	Roller Bracket	2
22	43617	Roller	2
23	41131	Bearing	2
24	43618	Circlips	2
25	53276	PHMS M04-0.70 × 8	1
26	41134	Clip	1
27	53277	BHCS M10-1.50 × 55	12
28	41059	Wire Clip	2
29	53278	SHCS M04-0.70 × 20	2
30	41120	Bumper	1
31	53224	THMS M05-0.8 × 12	1

Platform Extension Assembly

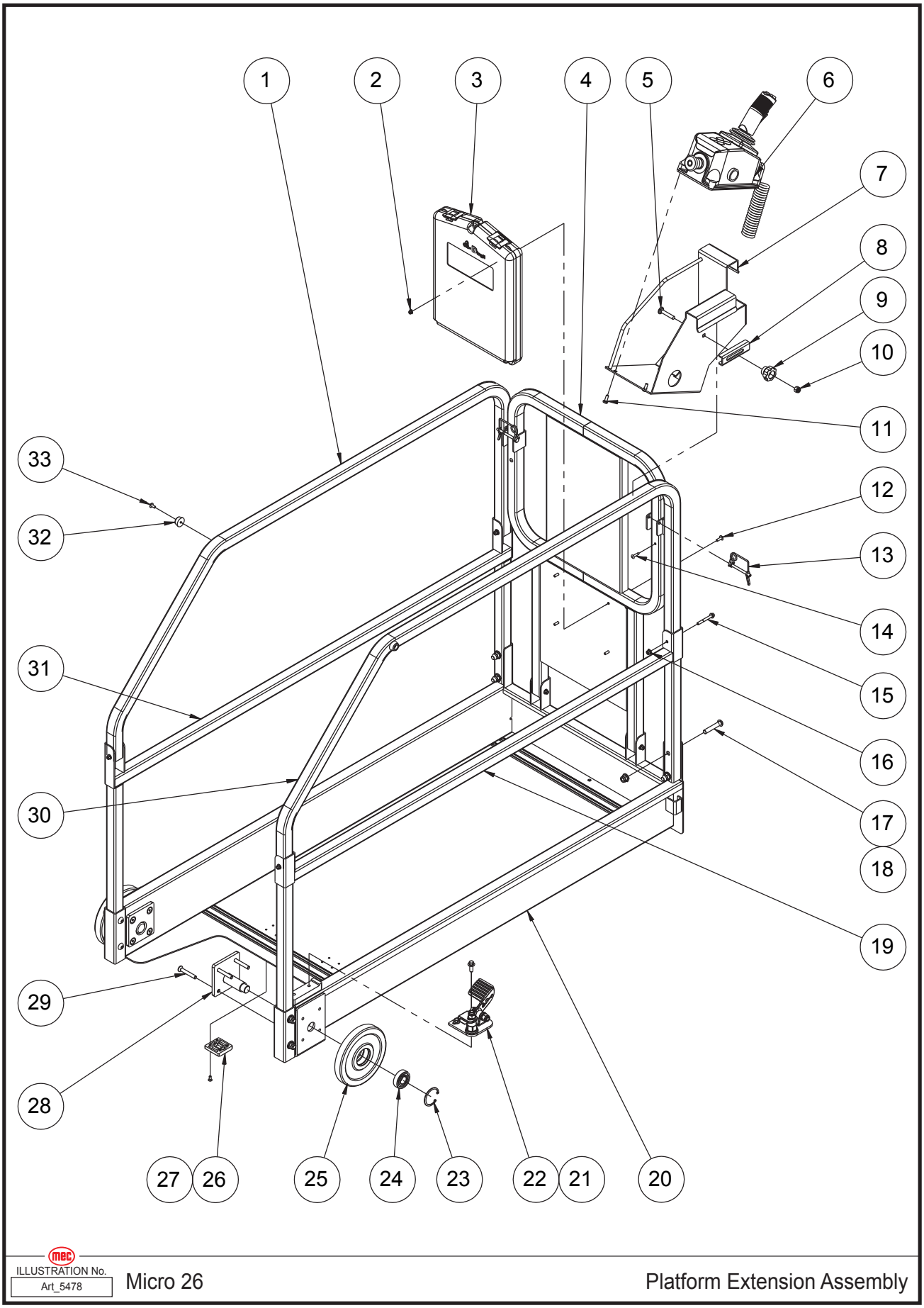


ILLUSTRATION No. Art_5478 Micro 26 Platform Extension Assembly

Item	Part Number	Description	Qty.
1	41623	Upper Extension Rail, Left	1
2	53281	NNYL M05-0.80 Flange	1
3	43319	Manual Box	1
4	41627	Front Rail	1
5	53248	CARB M08-1.25 × 45	1
6	REF	Platform Control Box Assembly (Refer To Page 78)	1
7	41764	Platform Control Box Mount Bracket	1
8	42500	Locating Plate	1
9	43453	Handle	1
10	50048	NNYL M08 × 1.25	1
11	53231	PHMS M06-1.00 × 16	4
12	53223	THMS M05-0.8 × 16	1
13	41357	Inserted Pin	2
14	43301	Rivet	2
15	53274	HHCS M06-1.00 × 50 Flange	6
16	50568	NNYL M06-1.00 Flange	6
17	53277	BHCS M10-1.50 × 55	8
18	50311	NNYL M10-1.50 Flange	8
19	41626	Lower Extension Rail, Right	1
20	43619	Extension Deck Weldment	1
21	53257	HHCS M08-1.25 × 20 Serrated Flange	2
22	41140	Platform Locking Device Assembly (Refer To Page 76)	1
23	43618	Circlips	2
24	41131	Bearing	2
25	43620	Roller	2
26	41284	Slide Pad	2
27	53279	CSCS M05-0.80 × 12	8
28	41360	Roller Bracket	2
29	53280	CSCS M08-1.25 × 55	8
30	41624	Upper Extension Rail, Right	1
31	41625	Lower Extension Rail, Left	1
32	41120	Bumper	2
33	53224	THMS M05-0.8 × 12	2

Platform Locking Device Assembly

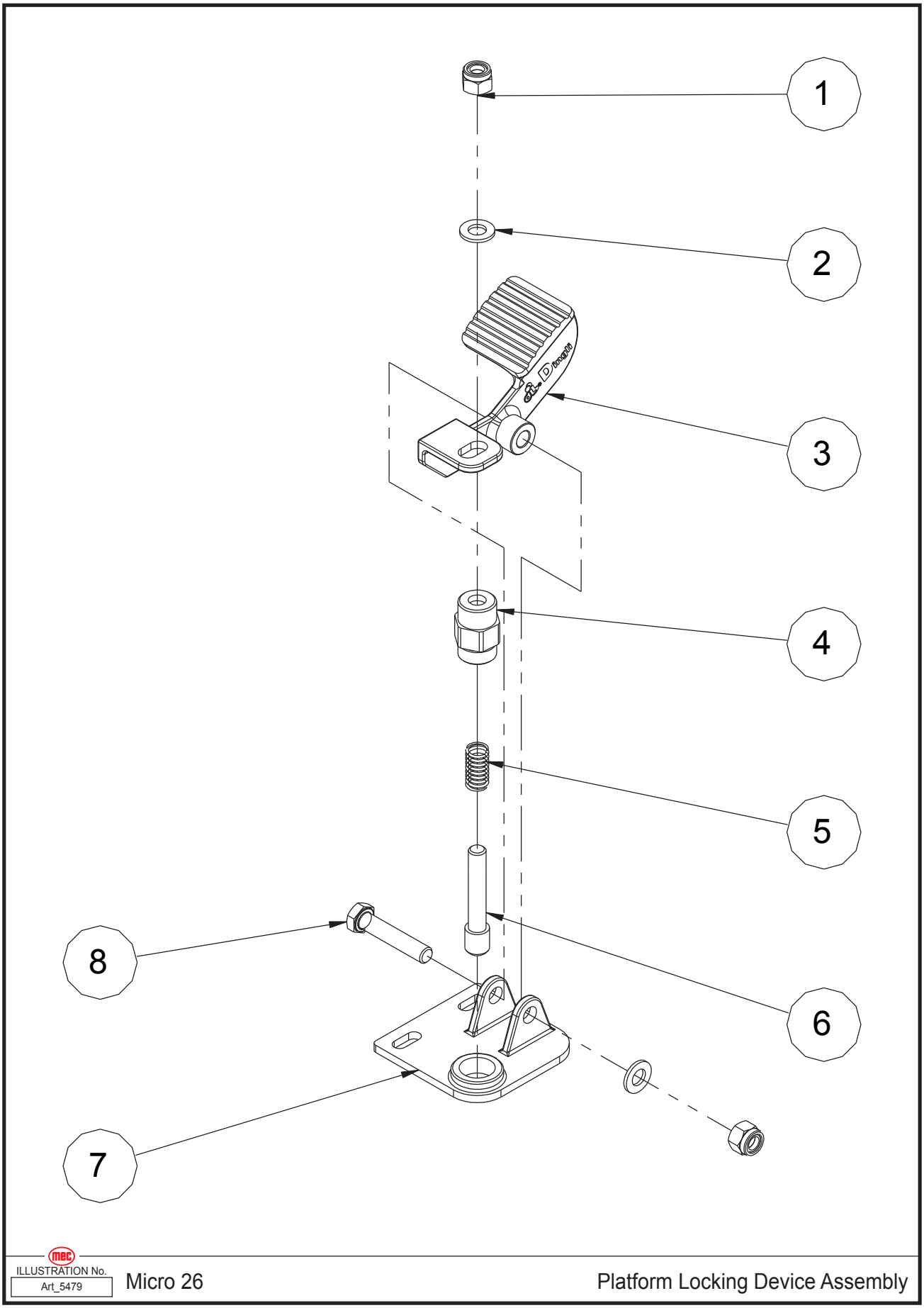


ILLUSTRATION No. Art_5479 Micro 26 Platform Locking Device Assembly

Item	Part Number	Description	Qty.
1	50049	NNYL M10 × 1.50	2
2	50002	WSHR M10 Standard Flat	2
3	41143	Foot Pedal	1
4	41144	Lock Pin Housing	1
5	41145	Spring	1
6	41146	Lock Pin	1
7	41147	Bracket	1
8	50020	HHCS M10-1.50 × 50	1

Platform Control Box Assembly

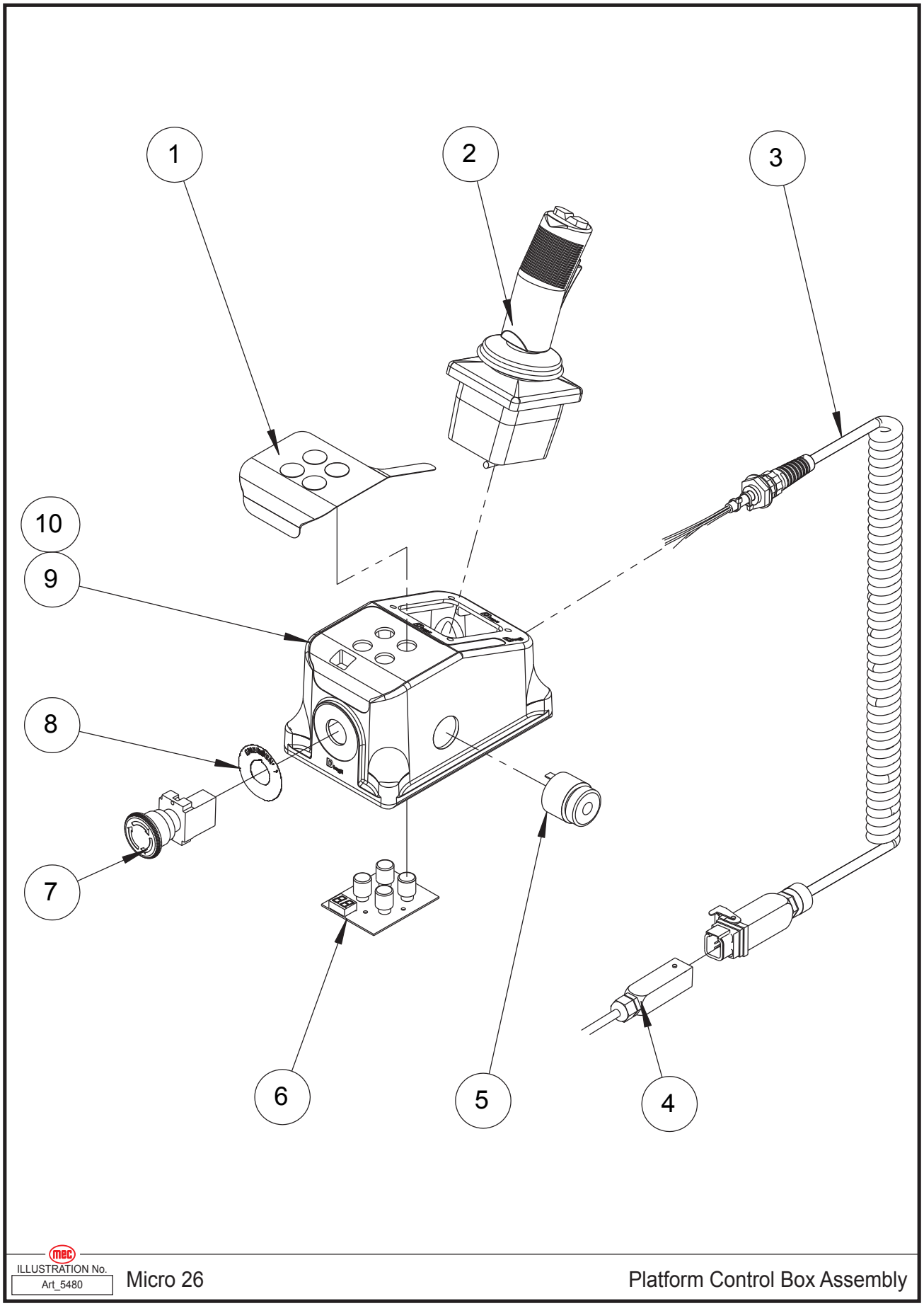


ILLUSTRATION No. Art_5480

Micro 26

Platform Control Box Assembly

Item	Part Number	Description	Qty.
--	41137	Assembly, Platform Control Box	--
1	41632	Decal, Platform Control Panel	1
2	41149	Joystick	1
--	43621	Function Enable Switch	1
--	41150	Joystick Cover	1
--	43622	Joystick Steer Switch	1
--	43623	Switch Boot	1
3	41152	Coil Cord	1
--	43624	Housing	1
--	43625	Male Insert	1
--	43626	Male Contacts	5
--	43627	Cable Gland	1
4	43628	Hood	1
--	43629	Female Insert	1
--	43630	Female Contacts	5
--	43627	Cable Gland	2
--	41271	Connector Kit	1
5	41568	Alarm	1
--	43631	Alarm Nut	1
6	41156	Main Board	1
--	41155	Button	4
7	41157	Emergency Stop Switch	1
--	43632	Red Mushroom Head	1
--	43633	Base With 1 NC Contact	1
8	42915	Decal, Emergency Stop Panel	1
9	43634	Enclosure	1
10	43635	Cover Bottom	1

Lower Lift Cylinder Assembly

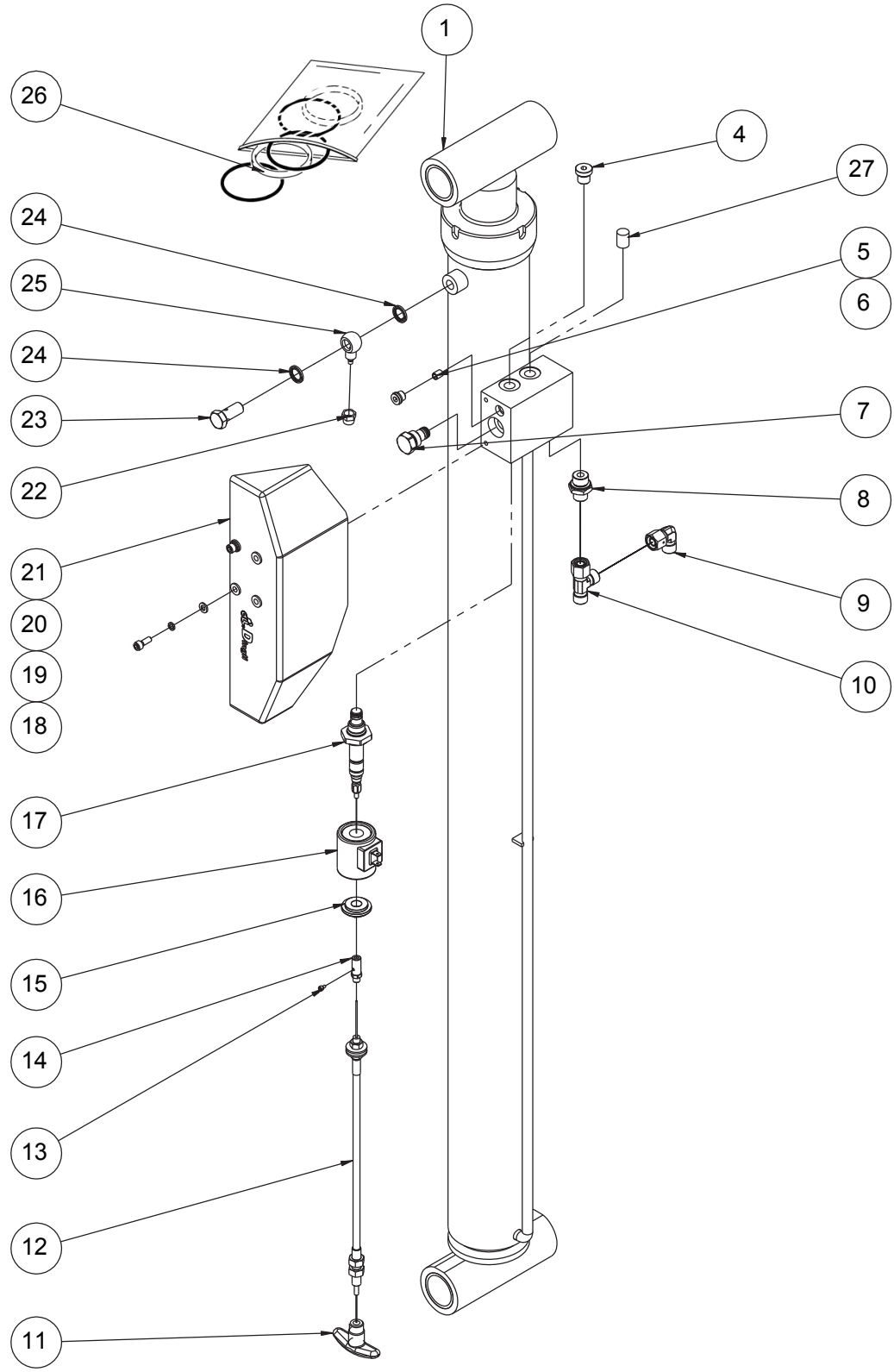


ILLUSTRATION No. Art_5481 Micro 26 Lower Lift Cylinder Assembly

Item	Part Number	Description	Qty.
1	43636	Lower Lift Cylinder	1
2	--	--	--
3	--	--	--
4	42480	Plug	1
5	43637	Orifice	1
6	42821	Plug	1
7	43369	Check Valve	1
8	43638	Straight Fitting	1
9	43639	Elbow	1
10	43640	Tee Fitting	1
11	41162	Lowering Knob	1
12	41832	Emergency Down Cable Assembly	1
13	50423	SHCS M04-0.7 × 12	1
14	43365	Cable Connector	1
15	43364	Nut	1
16	43466	Coil	1
17	41363	Solenoid Valve Spool	1
18	53138	SHCS M06-1.00 × 16	2
19	53046	WSHR M06 Spring Washer	2
20	50000	WSHR M06 Standard Flat	2
21	41164	Valve Cover	1
22	41413	Nut	1
23	41166	Fitting	1
24	43361	Washer	2
25	41167	Fitting	1
26	41630	Seal Kit	1
27	41288	Pressure Sensor (Up To Serial # 171001682)	1
	44448	Pressure Sensor (From Serial # 171001683)	1

Upper Lift Cylinder Assembly

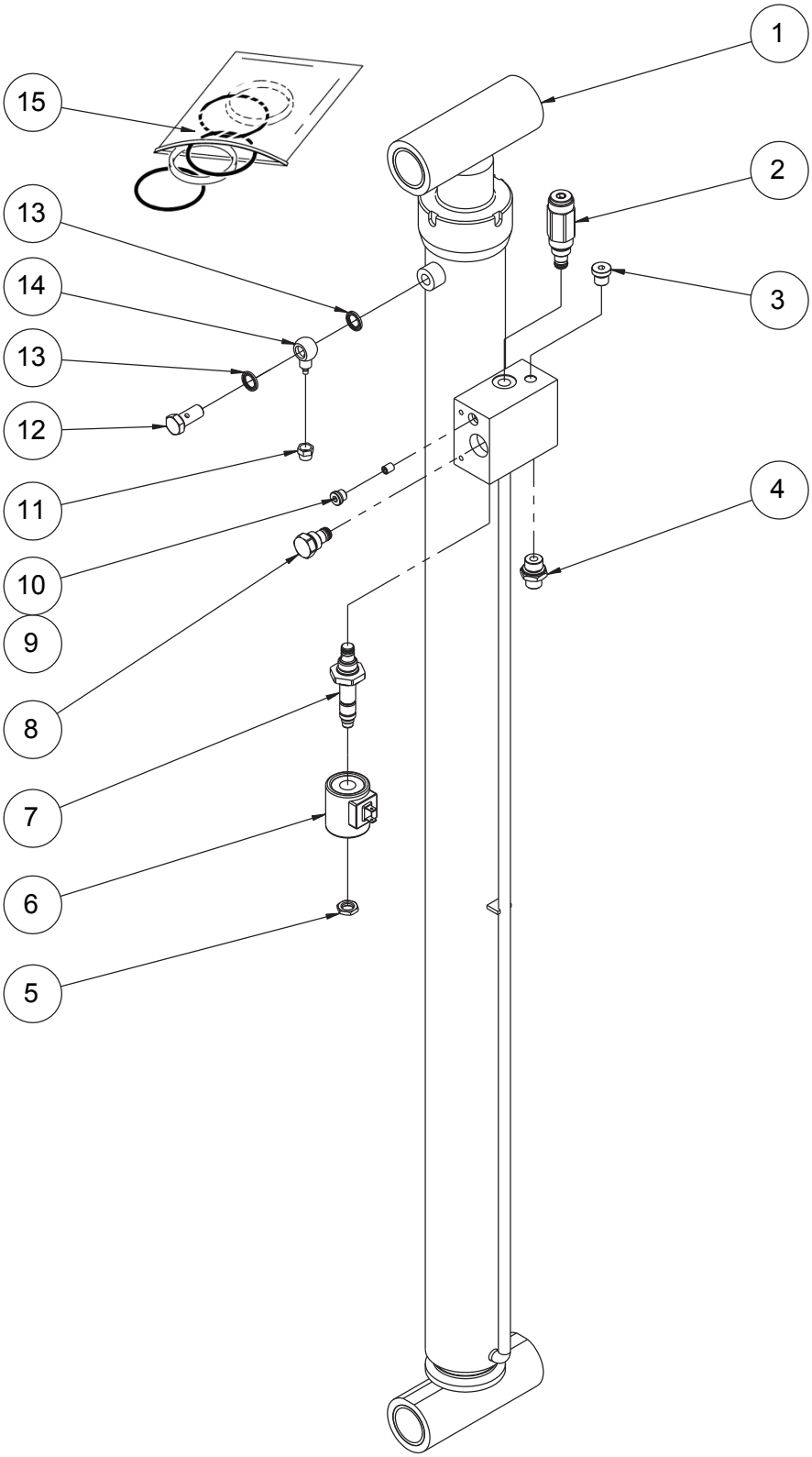


ILLUSTRATION No. Art_5482 Micro 26 Upper Lift Cylinder Assembly

Item	Part Number	Description	Qty.
1	43641	Upper Lift Cylinder	1
2	41169	Relief Valve	1
3	42480	Plug	1
4	43638	Straight Fitting	1
5	42795	Nut	1
6	43467	Coil	1
7	43372	Solenoid Valve Spool	1
8	43369	Check Valve	1
9	43374	Orifice	1
10	42821	Plug	1
11	41413	Nut	1
12	41166	Fitting	1
13	43361	Washer	2
14	41167	Fitting	1
15	43642	Seal Kit	1

Function Manifold

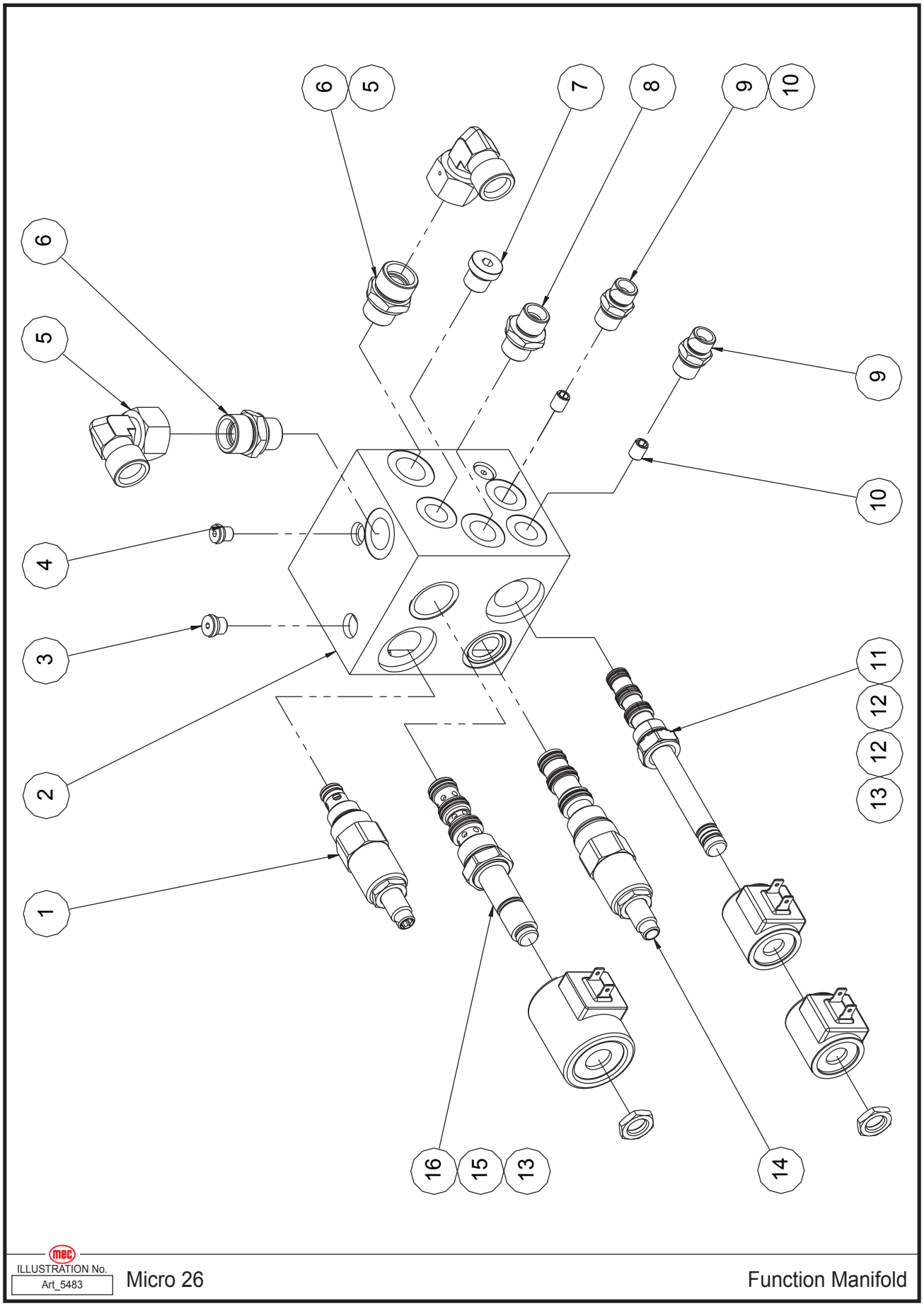


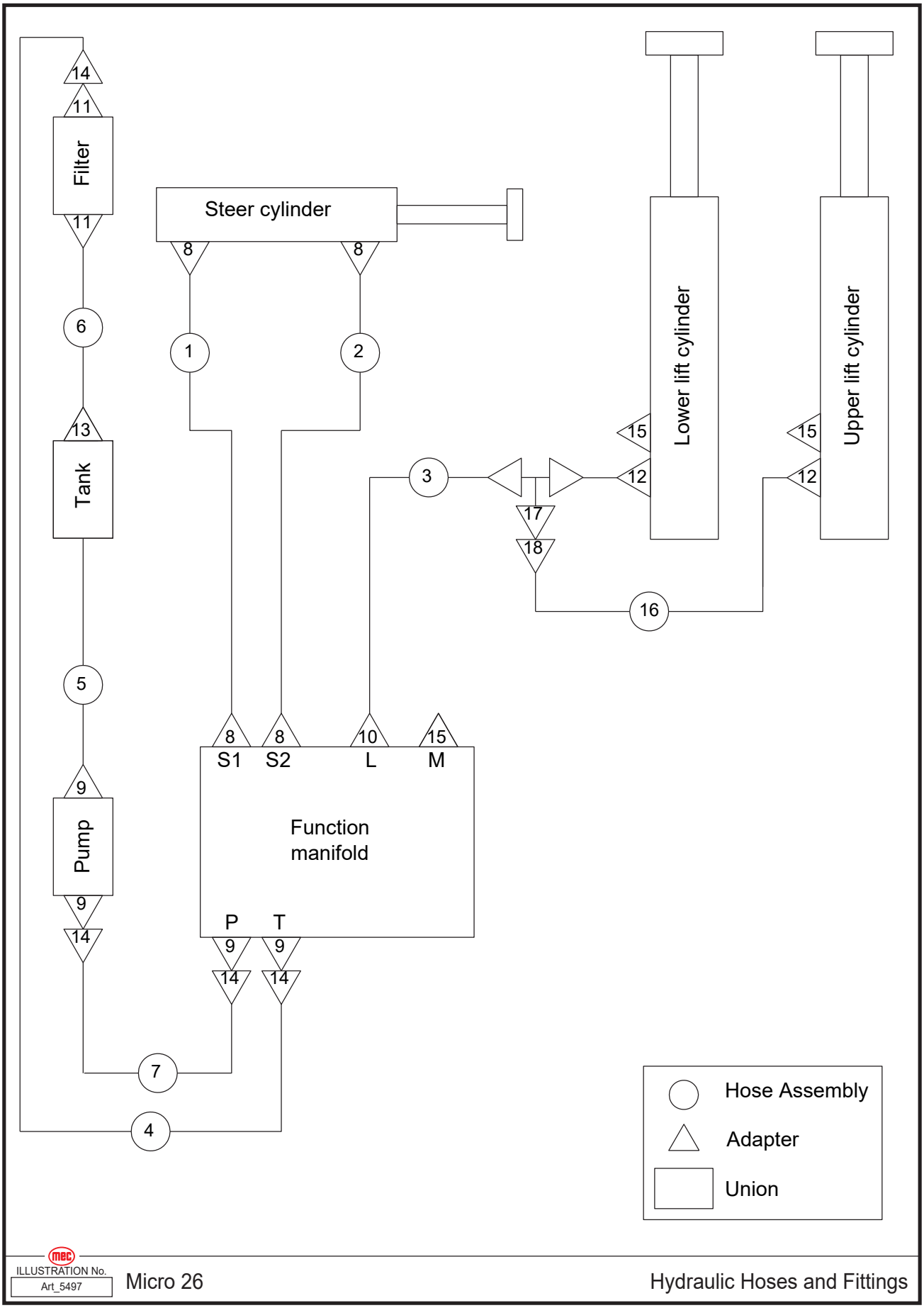
ILLUSTRATION No. Art_5483

Micro 26

Function Manifold

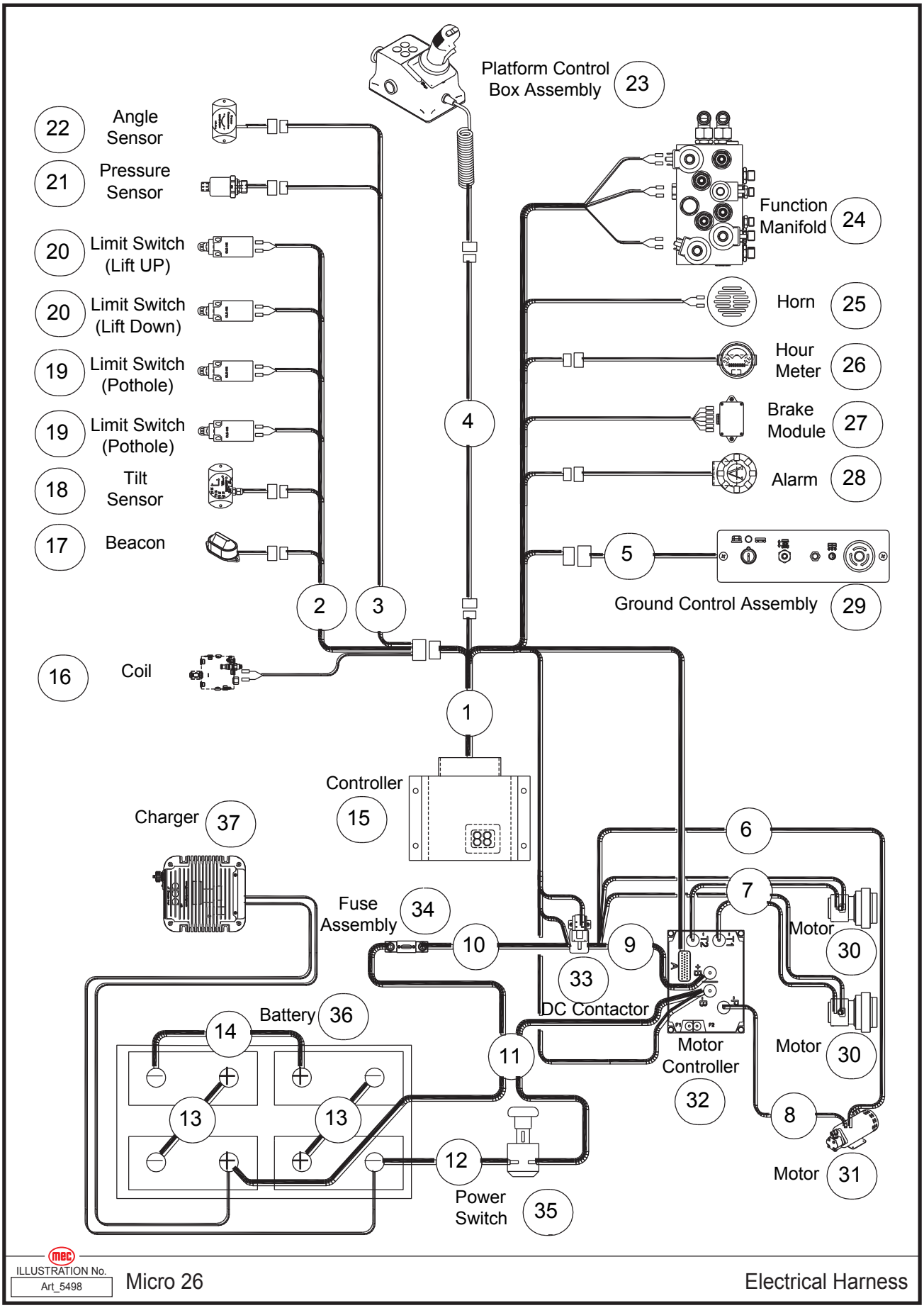
Item	Part Number	Description	Qty.
1	41549	Relief Valve	1
2	41547	Valve Body	1
3	43643	Plug	3
4	43465	Plug	9
5	43206	Elbow	2
6	43582	Straight Fitting	2
7	42480	Plug	1
8	43644	Straight Fitting	1
9	43076	Straight Fitting	2
10	43645	Orifice	2
11	41537	Solenoid Valve Spool	1
12	43467	Coil	2
13	42795	Nut	2
14	41538	Steer Priority Flow Control	1
15	43466	Coil	1
16	41548	Solenoid Valve Spool	1

Hydraulic Hoses and Fittings



Item	Part Number	Description	Qty.
1	41839	Hose Assembly	1
2	43709	Hose Assembly	1
3	41840	Hose Assembly	1
4	41842	Hose Assembly	1
5	43710	Hose Assembly	1
6	41180	Hose Assembly	1
7	43711	Hose Assembly	1
8	43076	Straight Fitting	4
9	43582	Straight Fitting	4
10	43644	Straight Fitting	1
11	43576	Straight Fitting	2
12	43638	Straight Fitting	2
13	41085	Fitting	1
14	43206	Elbow	4
15	42480	Plug	3
16	44249	Hose Assembly	1
17	43640	Tee Fitting	1
18	43639	Elbow	1

Electrical Harness



Item	Part Number	Description	Qty.
1	43713	ECU Harness	1
2	43646	Limit Switch Harness	1
3	43714	Angle Pressure Sensors Harness	1
4	41876	Communications Harness	1
5	41863	Ground Control Panel Harness	1
6	43715	Pump Motor Positive Harness	1
7	43716	Drive Motor Harness	1
8	43717	Pump Motor Negative Harness	1
9	41855	Motor Controller Harness	1
10	43718	DC Contactor Harness	1
11	43719	Battery Positive Harness	1
12	43720	Battery Negative Harness	1
13	41873	Battery Harness 1	2
14	41874	Battery Harness 2	1
15	REF	Controller (Refer To Page 56)	1
16	REF	Coil (Refer To Page 80)	1
17	REF	Beacon (Refer To Page 66)	1
18	REF	Tilt Sensor (Refer To Page 66)	1
19	REF	Limit Switch, Pothole (Refer To Page 52)	2
20	REF	Limit Switch, Lift Up/Lift Down (Refer To Page 66)	2
21	--	--	--
22	REF	Angle Sensor (Refer To Page 70)	1
23	REF	Platform Control Box Assembly (Refer To Page 78)	1
24	REF	Function Manifold (Refer To Page 84)	1
25	REF	Horn (Refer To Page 56)	1
26	REF	Hour Meter (Refer To Page 56)	1
27	REF	Brake Module (Refer To Page 60)	1
28	REF	Alarm (Refer To Page 56)	1
29	REF	Ground Control Assembly (Refer To Page 68)	1
30	REF	Motor (Refer To Page 50)	2
31	REF	Motor (Refer To Page 56)	1
32	REF	Motor Controller (Refer To Page 60)	1
33	REF	DC Contactor (Refer To Page 60)	1
34	REF	Fuse Assembly (Refer To Page 56)	1
35	REF	Power Switch (Refer To Page 54)	1
36	REF	Battery (Refer To Page 54)	4
37	REF	Charger (Refer To Page 64)	1

REF - Reference

Power to Platform

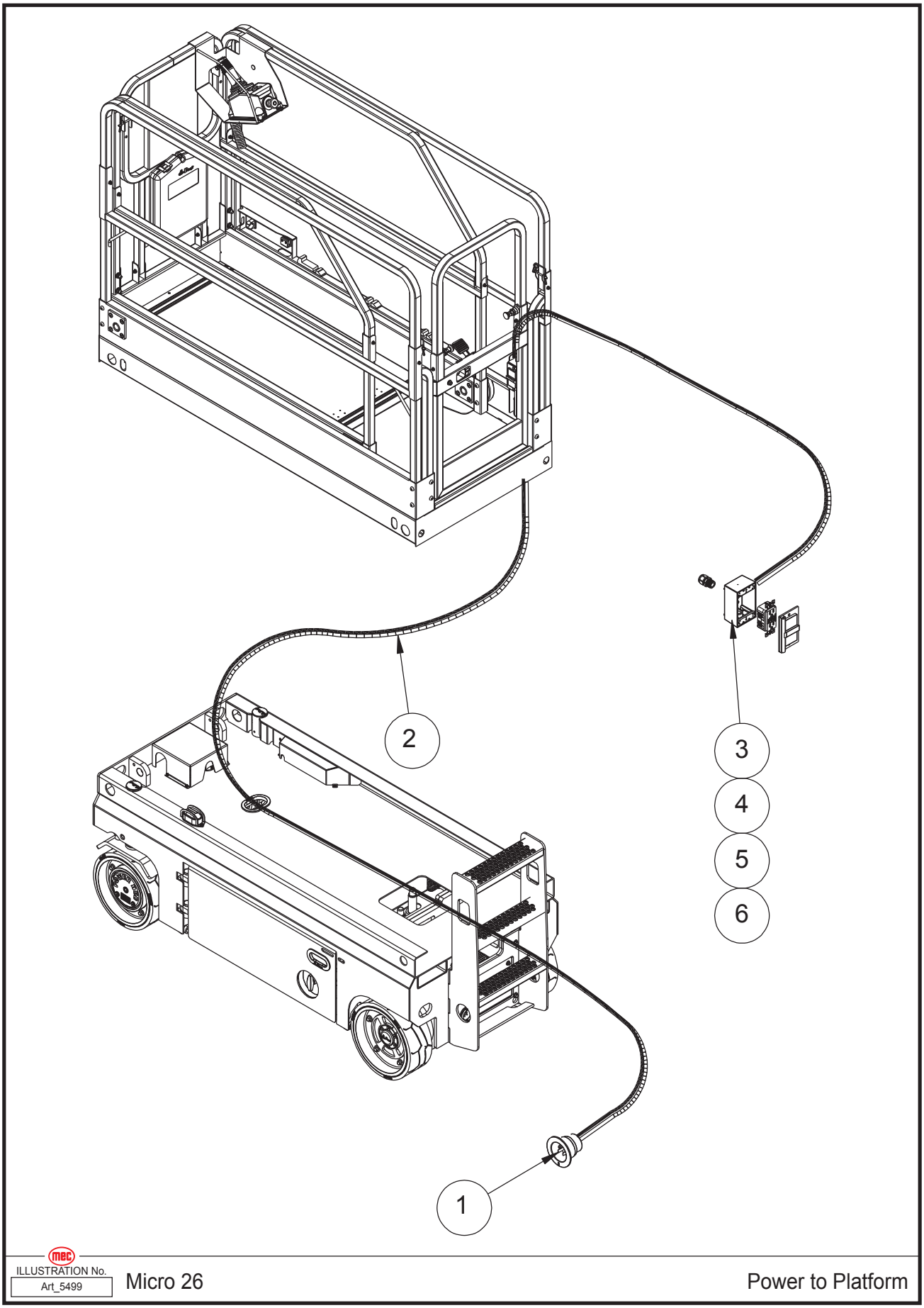


ILLUSTRATION No.
Art_5499

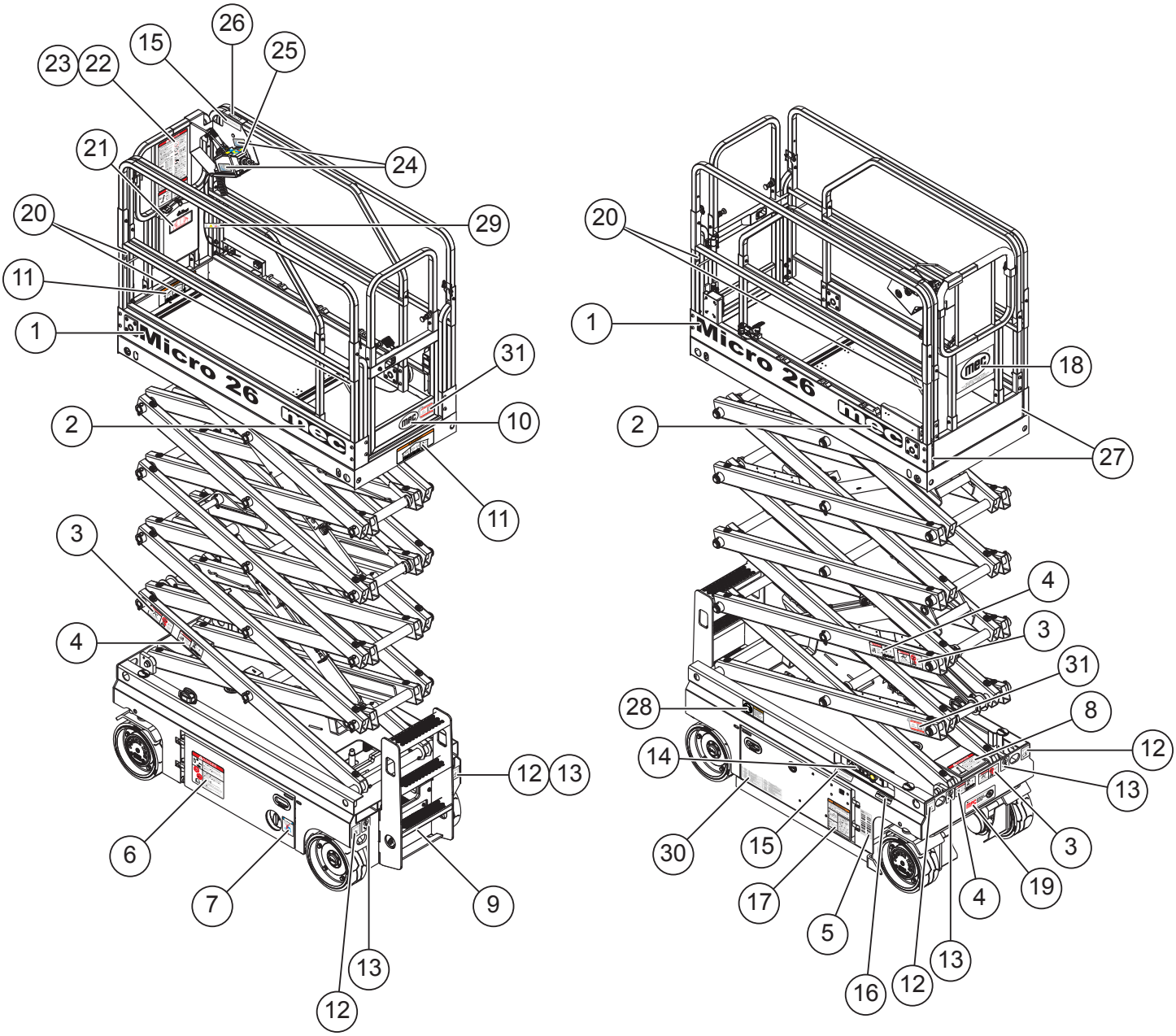
Micro 26

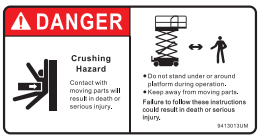
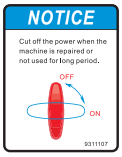
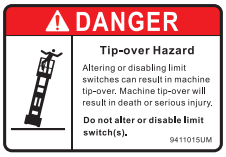
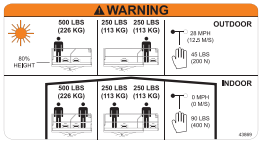
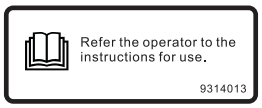
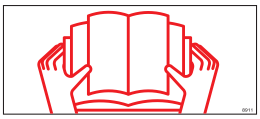
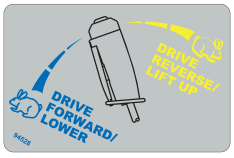
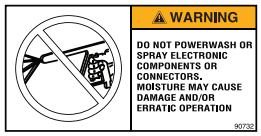
Power to Platform

Item	Part Number	Description	Qty.
1	REF	AC Plug (Refer To Page 64)	1
2	43721	Wire Cable, Platform AC Power	1
3	91598	Cover, Outlet Box	1
4	92007	Outlet, 15A 120V GFCI	1
5	91597	Outlet Box	1
--	53040	HHSM M08- 15 x 1/2”	4
6	92008	Strain Relief .50”	1

REF - Reference

Decal Locations



1 Micro 26 42542 Qty. - 2	2 mec 94114 Qty. - 2	3  41646 Qty. - 3	4  41748 Qty. - 3	5 Indoor Rated Only  94949 Qty. - 1
5 Outdoor / Indoor Rated  95215 Qty. - 1	6  41641 Qty. - 1	7  41666 Qty. - 1	8  41642 Qty. - 1	9  94659 Qty. - 1
10  94115 Qty. - 1	11 Indoor Rated Only  42541 Qty. - 2	11 Outdoor / Indoor Rated  43869 Qty. - 2	12  41635 Qty. - 4	13  41634 Qty. - 4
14 Indoor Rated Only  41631 Qty. - 1	14 Outdoor / Indoor Rated  95364 Qty. - 1	15  41639 Qty. - 2	16  41636 Qty. - 1	17  41649 Qty. - 1
18  90719 Qty. - 1	19  94423 Qty. - 1	20  41648 Qty. - 4	21  8911 Qty. - 1	22  41749 Qty. - 1
23  41647 Qty. - 1	24  94528 Qty. - 2	25  41632 Qty. - 1	26  41640 Qty. - 1	27  91850 Qty. - 2
28  90732 Qty. - 1	29  94778 Qty. - 1	30  43879 Qty. - 1	31  95255 Qty. - 2	

Item	Part Number	Description	Qty.
1	42542	Decal, Micro26	2
2	94114	Decal, MEC Square	2
3	41646	Decal Danger - Crushing Hazard	3
4	41748	Decal, Engage Safety Arm	3
5	94949	Serial Plate, New ANSI Standard, Slab Scissors - **Indoor Rated Only**	1
	95215	Serial Plate, 2020 Slab ANSI A92.20 - **Outdoor / Indoor Rated**	1
6	41641	Decal Danger - Explosion / Burn Hazard	1
7	41666	Decal Notice - Main Power Switch Operation	1
8	41642	Decal, Tip Over Hazard	1
9	94659	Decal, Battery Charger & Power To Platform	1
10	94115	Decal, MEC Oval, Small	1
11	42541	Platform Decal - Micro26 - **Indoor Rated Only**	2
	43869	Decal, 2020 ANSI Capacity - **Outdoor / Indoor Rated**	2
12	41635	Decal Instructions - Tie Down Point	4
13	41634	Decal Instructions - Lift Point	4
14	41631	Decal, Lower Controls - **Indoor Rated Only**	1
	95364	Decal, Lower Controls Micro26 - **Outdoor / Indoor Rated**	1
15	41639	Decal Instructions - Refer The Operator Manual	2
16	41636	Decal Instructions - Emergency Lower	1
17	41649	Decal, Warning Panel	1
18	90719	Decal, MEC Oval	1
19	94423	Decal, MEC Direct Electric Drive	1
20	41648	Decal - Lanyard Anchorage	4
21	8911	Decal, Manuals Inside Icon	1
22	41749	Decal Danger - Safety Rules	1
23	41647	Decal Danger - Tip-over Hazard	1
24	94528	Decal, Drive/Lift Side for Slabs	2
25	41632	Decal, Platform Controls	1
26	41640	Decal Instructions - Platform Controller Normal Position	1
27	91850	Decal, Caution Triangle Overhead Clearance	2
28	90732	Decal, Warning No Powerwash	1
29	94778	1330 Decal, Not for use on	1
30	43879	Decal, Fault Code Chart	1
31	95255	Decal, MEC Duralink - Micro26	2

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 _____
** 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)

_____

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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