

MEWP Familiarization: 34-J Micro Boom

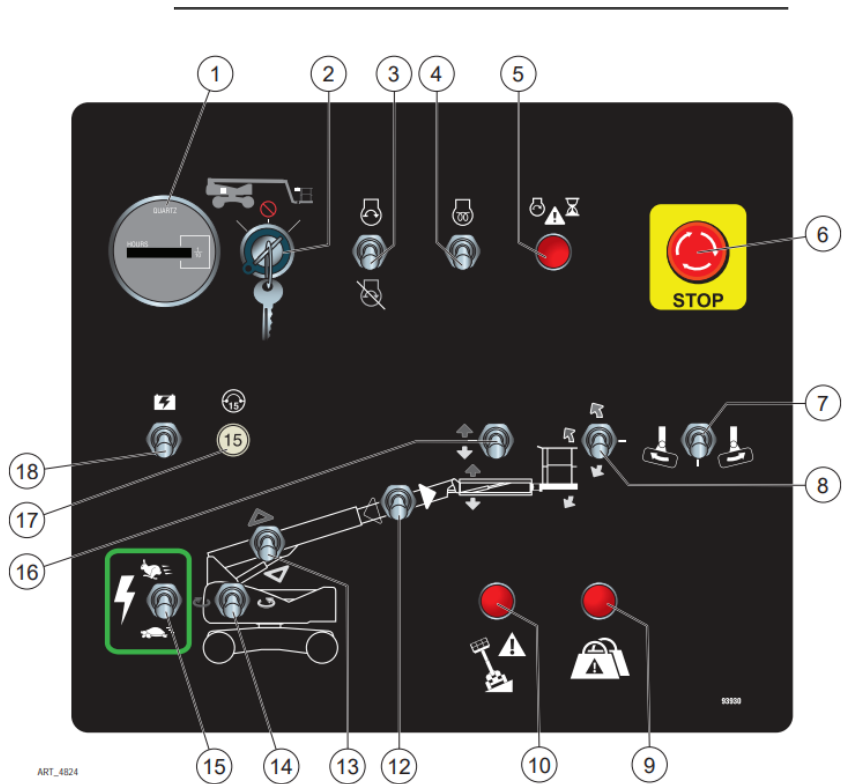
34-J Micro Boom Familiarization

(ANSI A92.22 6.2.5)

- 6.2.5.1 Prior to user's authorization of an operator to use a specific model of MEWP, the user must ensure the operator is familiarized on the following, and as specified by the manufacturer.
- Do not operate your MEWP until you have read and understood the Manufacturer's Operator Manual, have performed the workplace risk inspection, pre-start inspection, routine maintenance, and have completed all the test operations detailed in the operating instructions section of your manual.
- **Manual location is in manual enclosure on the inside of the front guardrail.**
- **Confirm that the required manual(s) as specified by the manufacturer are with the MEC 34-J Micro Boom.**



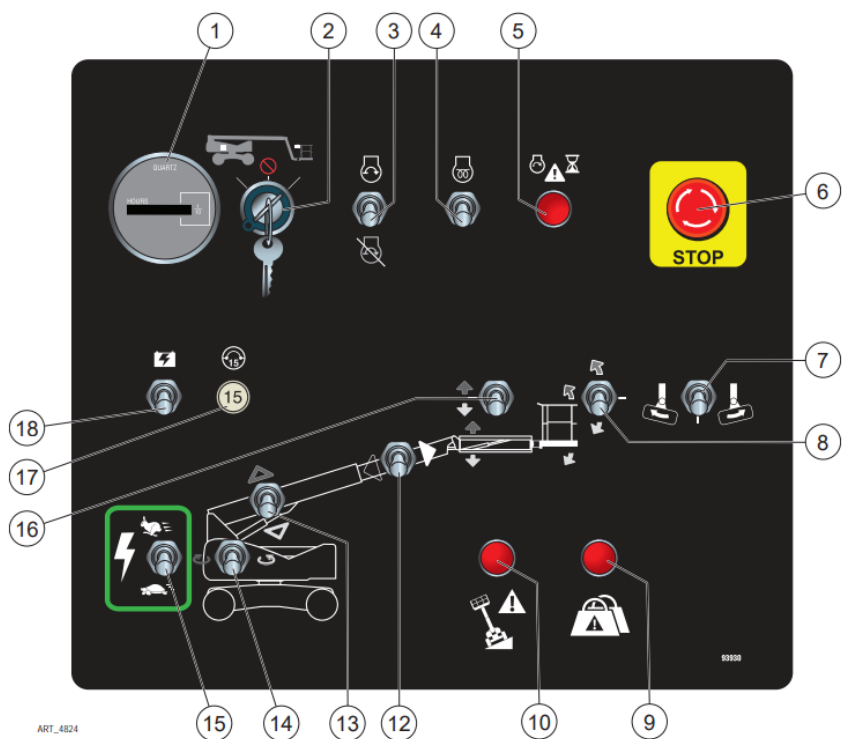
Base Controls (1-10)



Control	Description
1	Hour Meter Indicates total elapsed time of machine operation.
2	Selector Switch Platform Select to operate from the platform control panel. Base Select top operate from the base control panel. Off Select to stop operation from either control panel.
3	Start/Stop Switch Push switch up to start engine. Push switch down to stop engine.
4	Glow Switch Press this switch up to activate glow plugs prior to starting.
5	Starter Time-out Indicator When this red light is illuminated, the starter circuit is temporarily disabled. The Starter circuit times out if the starter is run continuously for 15 seconds without the engine starting. The starter functions resets after approximately 30 seconds.
6	Emergency Stop Switch Press the EMERGENCY STOP switch at any time to stop all machine functions. Turn switch clockwise to reset.
7	Platform Rotate Switch Press and hold the Function Enable Switch (#15), then move this switch left to rotate the platform clockwise. Press and hold the Function Enable Switch (#15), then move this switch right to rotate the platform counterclockwise.
8	Platform Level Switch Press and hold the Function Enable Switch (#15), then move this switch up to manually level the rear of the platform upward. Press and hold the Function Enable Switch (#15), Then move this switch down to manually level the rear of the platform downward.
9	Overload Indicator Light This light illuminates and an alarm sounds when the machine is overloaded.
10	Tilt Indicator Light This light illuminates and an alarm sounds when the machine is not level.

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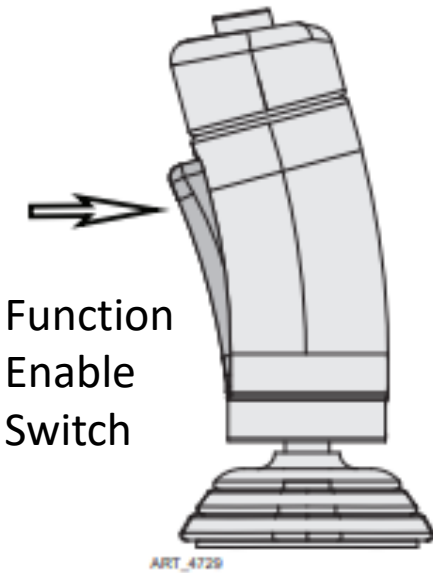
Base Controls (12-18)



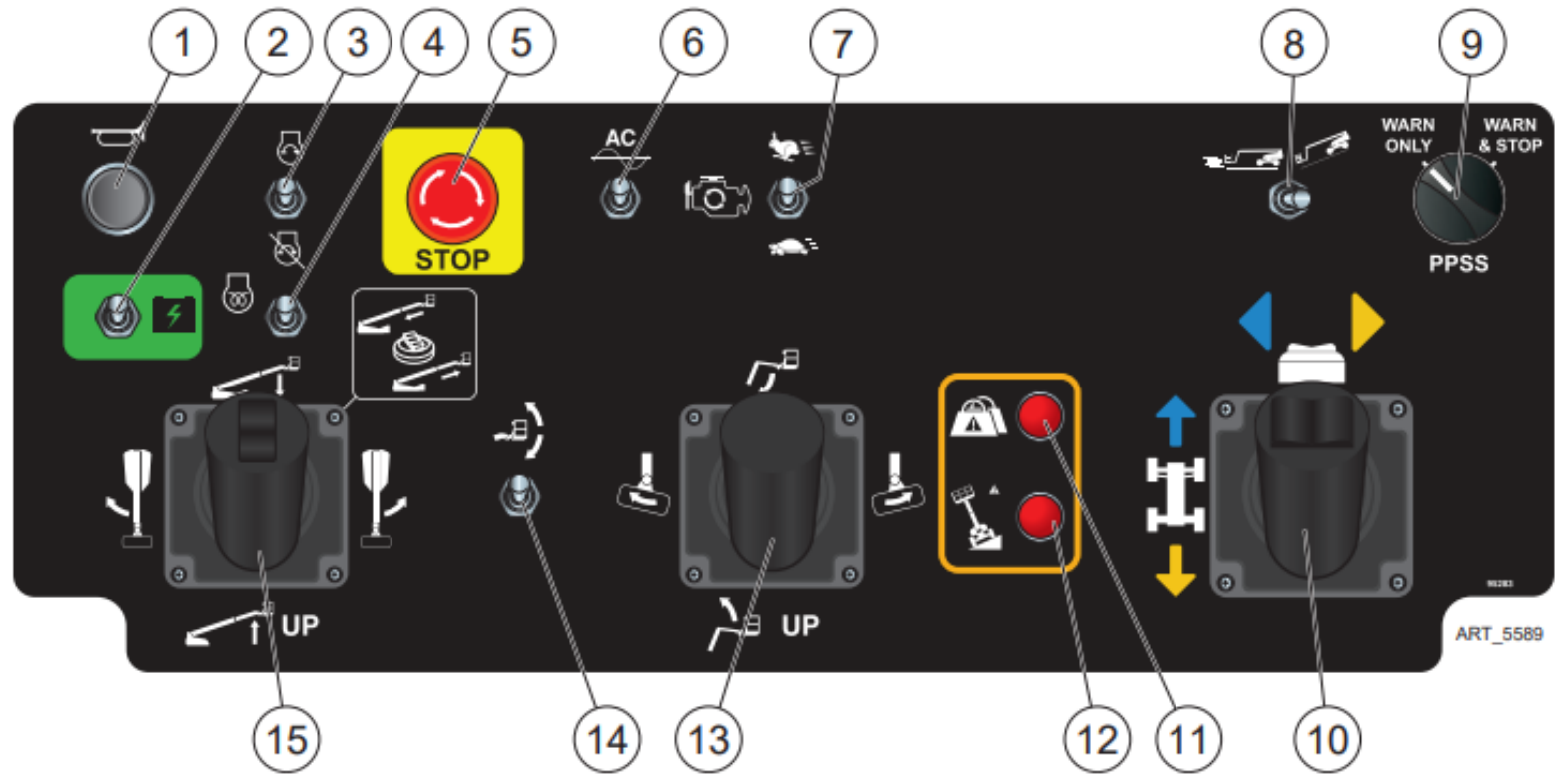
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Control	Description
12 Boom Extend/Retract	Press and hold the Function Enable Switch (#15), then move this switch right to extend the boom. Press and hold the Function Enable Switch (#15), then move this switch left to retract the boom.
13 Boom Lift/Lower	Press and hold the Function Enable Switch (#15), then move this switch up to lift the boom. Press and hold the Function Enable Switch (#15), then move this switch down to lower the boom.
14 Turntable Rotate	Press and hold the Function Enable Switch (#15), then move the switch left to rotate the turntable clockwise. Press and hold the Function Enable Switch (#15), then move this switch right to rotate the turntable counterclockwise.
15 Function Enable Switch	Press and hold this switch to enable boom, turntable and platform operations. Press down to operate the controls at slow speed. Press up to operate the controls at higher speed.
16 Jib Lift/Lower	Press and hold the Function Enable Switch (#15), then move this switch up to lift the jib. Press and hold the Function Enable Switch (#15), then move this switch down to lower the jib.
17 Circuit Breaker	Trips when there is excessive electrical load. Push to reset.
18 Auxiliary Power Switch	If normal power fails, press and hold while using boom retract and boom lower functions.

Platform Controls (1-5)

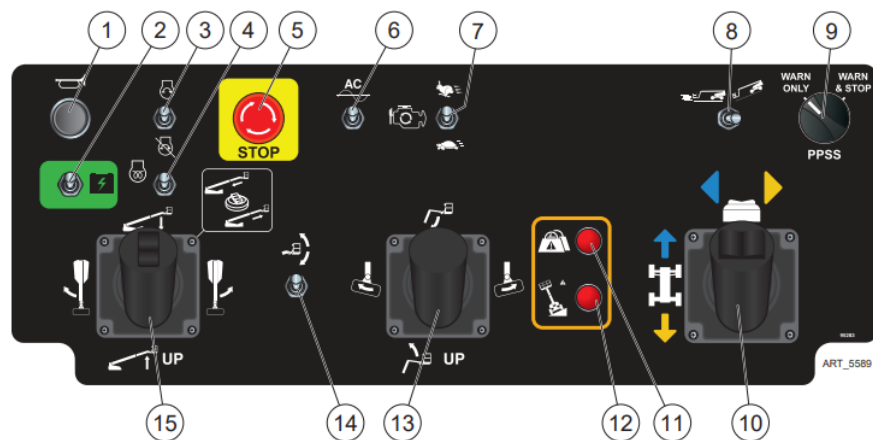


Function Enable Switch



Control	Description
1	Horn Button Press to sound warning horn.
2	Auxiliary Power If normal power fails, press and hold while using Boom Retract and Boom Lower functions.
3	Start/Stop Switch Move this switch up to start engine. Press this switch down to stop engine.
4	Glow Switch Move this switch up to activate glow plugs prior to cold starting the engine.
5	Emergency Stop Switch Press the EMERGENCY STOP switch at any time to stop all machine functions. Turn switch clockwise to reset.

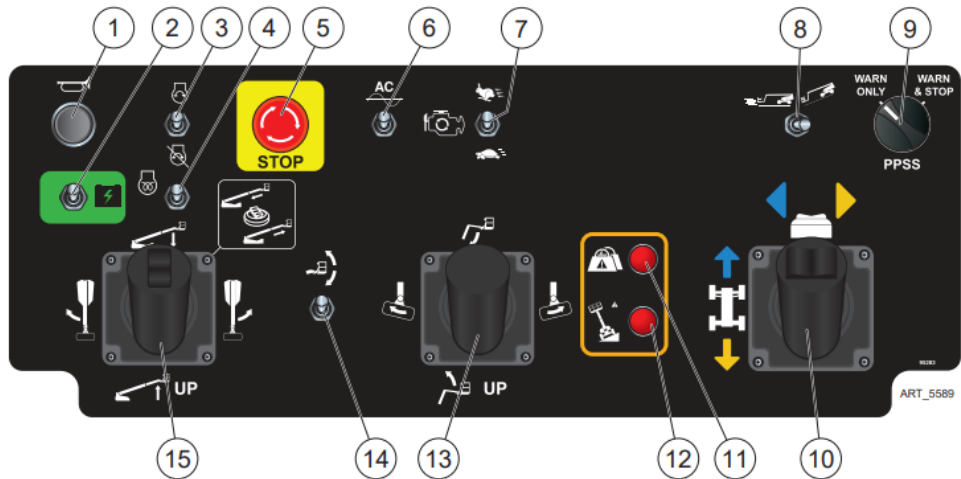
Platform Controls (6-12)



Control	Description
6 Generator Switch (Optional)	Turn switch ON to engage optional AC generator. Generator switches off when any other function is enabled.
7 Engine Speed Select Switch	Use this switch to set the engine speed when functions are enabled. Setting this switch to low idle speed allows the operator to move the machine slowly and precisely. Move this switch up for high idle speed and fast function speed. Move this switch down for low idle speed and slow function speed.
8 Speed/Torque Switch	Move this switch to the left for high speed drive. Push this switch to the right for high torque drive.
9 PPSS Switch	Warn Only When the PPSS first senses an object overhead it activates an intermittent audible alarm. The frequency of this alarm increases as the object comes closer to the sensors. Pay careful attention to the object the sensors have detected.
	Warn & Stop If selected, the machine will stop when the warning alarm becomes continuous. Boom functions that elevate the platform are disabled; drive functions are disabled. Boom functions that lower the platform are allowed.
10 Drive/Steer Control Lever	If the turntable is rotated such that the boom is substantially over the front steering axle, as oppose to being positioned conventionally over the rear axle, the Drive and Steer functions will not move in the direction of the control handle movement. The color- and shape-coded arrows on the joystick decal correspond to similar arrow decals on the machine chassis. Be sure to check the arrows on the chassis before using the Drive or Steer functions.
	Drive Function Depress the enable bar on front of the control lever, then push the control lever forward or backward to drive the machine.
	Steer Function Depress the enable bar on front of the control lever, then press the thumb switch on top of the control lever to steer left or right.
11 Overload Indicator Light	Light ON indicates too much weight on the platform. An audible alarm will sound and all machine function will stop. Remove weight form the platform to restore function and continue.
12 Tilt Indicator Light	This light illuminates and an alarm sounds when the machine is not level. Follow the instruction on page 23 to safely lower the platform.

Platform Controls (13-15)

Control	Description
13 Jib Platform Control Lever	Jib lift/Lower Function Depress the enable bar on front of the control lever, then pull the control lever backward to lift the jib. Depress the enable bar on front of the control lever, then push the control lever forward to lower the jib.
	Platform Rotate Function Depress the enable bar on front of the control lever, then push the control lever right to rotate the platform counterclockwise. Depress the enable bar on front of the control lever, then push the control lever left to rotate the platform clockwise.
14 Platform Level Switch	Press the Function Enable Button to enable this function, then press this switch up to manually level the platform upward or down to manually level the platform downward.
15 Boom/Turntable Control Lever	Turntable Rotate Function Depress the enable bar on front of the control lever, then push the control lever to the left to rotate the turntable clockwise or right to rotate the turntable counterclockwise.
	Boom Lift/Lower Function Depress the enable bar on front of the control lever, then pull the control lever back to elevate the boom. Depress the enable bar on front of the control lever, then push the control lever forward to lower the boom.
	Boom Extend/Retract Function Depress the enable bar on front of the control lever, then push the thumb switch on top of control lever back to extend the boom. Depress the enable bar on front of the control lever, then push the thumb switch forward to retract the boom.



Additional Emergency Controls, Features & Limitations

- **Max. Platform Height:** 34 ft.
- **Max. Platform Capacity:** 500 lbs.
- **Max. Personnel Capacity:** 2 Persons
- **Max. Gradeability (stowed):** 40% (22°)
- **Jib Range of Motion:** 135°
- **Turntable Rotation:** 355° Non-Continuous
- **ELECTROCUTION HAZARD! THIS MACHINE IS NOT INSULATED!**
- See operator's manual for additional information and instructions for safe use.

Operating Characteristics

Features:

- Kubota D1105 Tier 4 Final Engine
- Fully Proportional Multi-Function Controls (No Footswitch)
- Four Wheel SAHR Braking System
- Two-Speed Drive Motor
- Power to Platform
- Safety Enable Bars

Options:

- Non-Marking Tires
- 3.5KW AC Generator
- Glazier Package for lifting sheet material outside of platform
- Cold Start Package for operating below 32°F
- Proactive Platform Safety System® (PPSS) senses overhead obstructions

*See operator's manual for specific options and feature characteristics. For Operational Instructions Involving the Proactive Platform Safety System® (PPSS), read and follow the instructions found on the label directly below the operators Control Panel.



For More Information

Contact your local Dealer, Rental Provider or MEC Aerial Work Platforms.

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This information is provided as product familiarization as called for by ANSI A92.22. and CSA B 354. It is not intended to take the place of information provided by the MEC Operators manual or instruction provided by your equipment supplier. Further, all operators are to be trained before operating this equipment. Please contact MEC Aerial Work Platforms if you require additional information.