

MEWP Familiarization: 45-J Boom

45-J Boom Familiarization

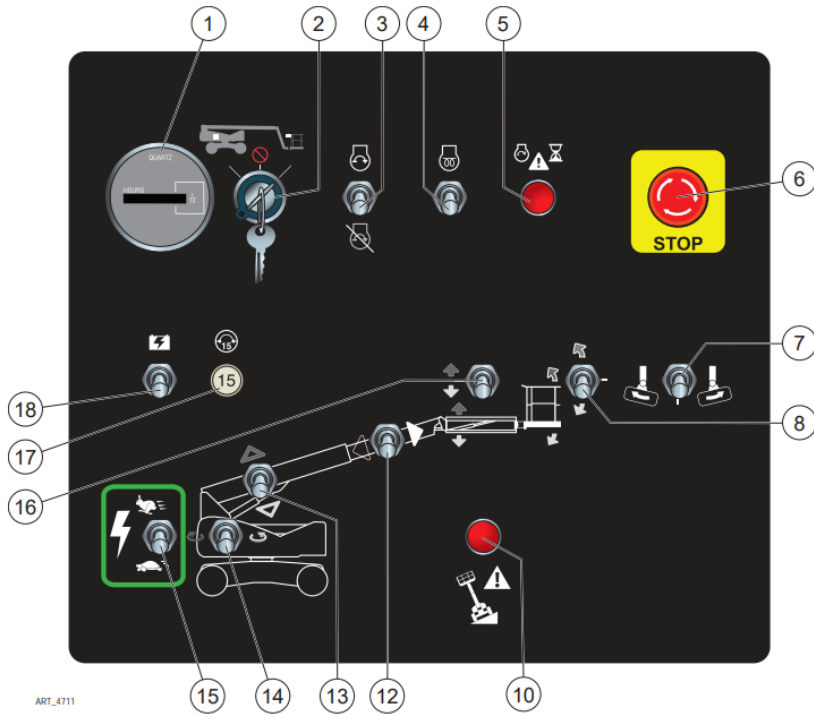
(ANSI A92.22 6.2.5)

- 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 45-J Boom.**



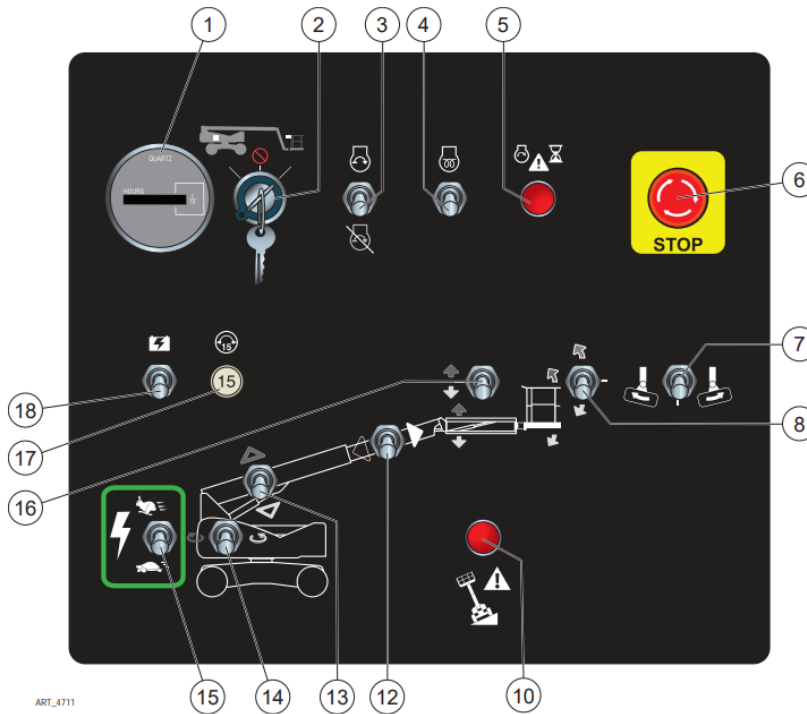
Base Controls (1-7)

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.



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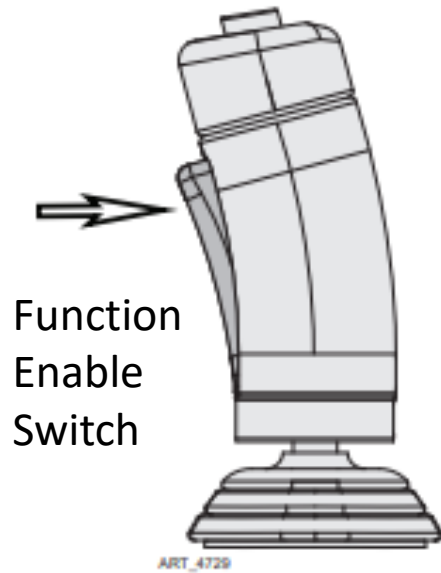
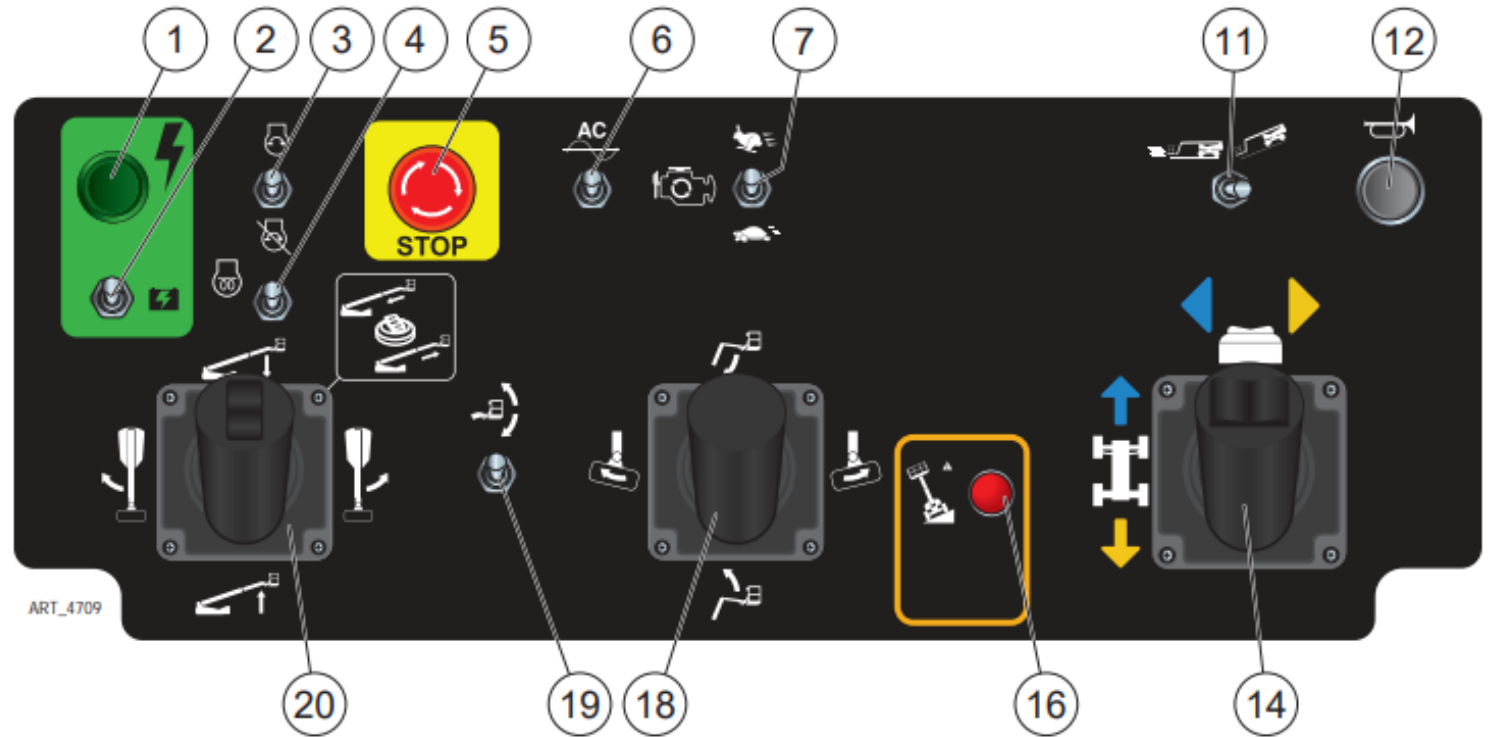
Base Controls (8-18)



Control	Description
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.
10 Tilt Indicator Light	This light illuminates and an alarm sounds when the machine is not level.
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.

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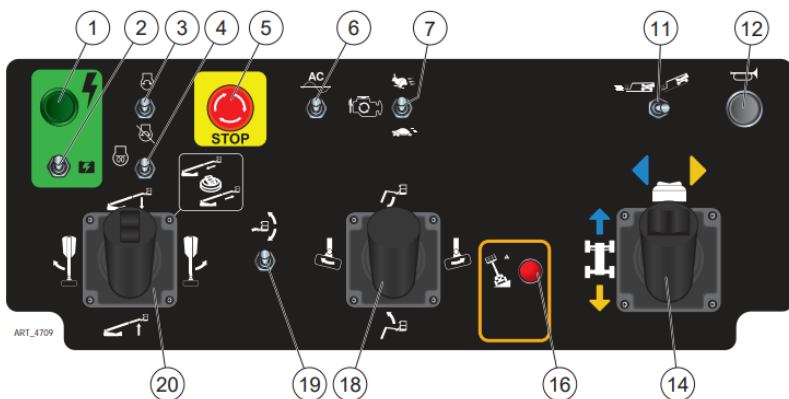
Platform Controls (1-5)



Function Enable Switch

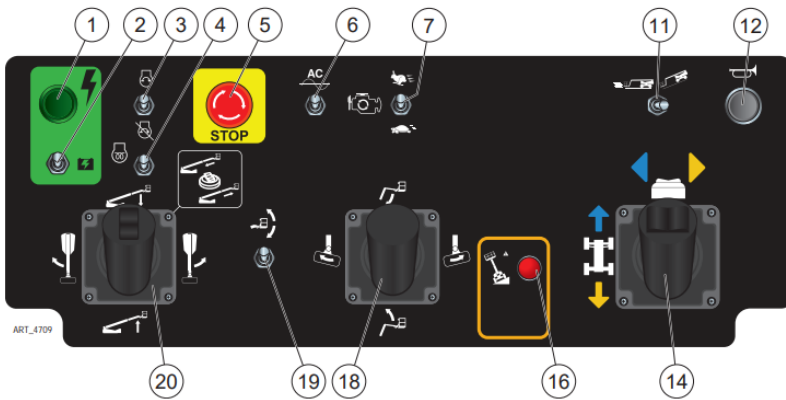
Control	Description
1	Function Enable Button Press and hold this button to enable boom and platform operations.
2	Auxiliary Power If normal power fails, press and hold while using Boom Retract and Boom Lower functions.
3	Start/Stop Switch Move this switch up to start engine. Press this switch down to 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 (6-16)



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.
11 Speed/Torque Switch	Move this switch to the left for high speed drive. Push this switch to the right for high torque drive.
12 Horn Button	Press to sound warning horn.
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.
14 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 push the thumb switch on top of the control lever to steer left or right.

Platform Controls (16-20)



Control	Description
16	Tilt Indicator Light This light illuminates and an alarm sounds when the machine is not level. Follow the instructions on page 23 in the manual to safely lower the platform.
18	Jib Platform Control Lever 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.
19	Platform Level Switch Press the Function Enable Button (#1) to enable this function, then press this switch up to manually level the platform upward or down to manually level the platform downward.
20	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:** 45 ft.
- **Max. Platform Capacity:** 500 lbs.
- **Max. Personnel Capacity:** 2 Persons
- **Max. Gradeability (stowed):** 40%
- **Jib Range of Motion:** 135°
- **Turntable Rotation:** Continuous 360°
- **ELECTROCUTION HAZARD! THIS MACHINE IS NOT INSULATED!**
- See operator's manual for additional information and instructions for safe use.

Operating Characteristics

Features:

- Kubota V1505 Tier 4 Final Engine
- Fully Proportional Multi-Function Controls (No Footswitch)
- Low Engine RPM Elevated Operation
- Two-Speed Drive Motors
- Power to Platform
- Safety Enable Bars

Options:

- 7.5KW Welder Ready 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.