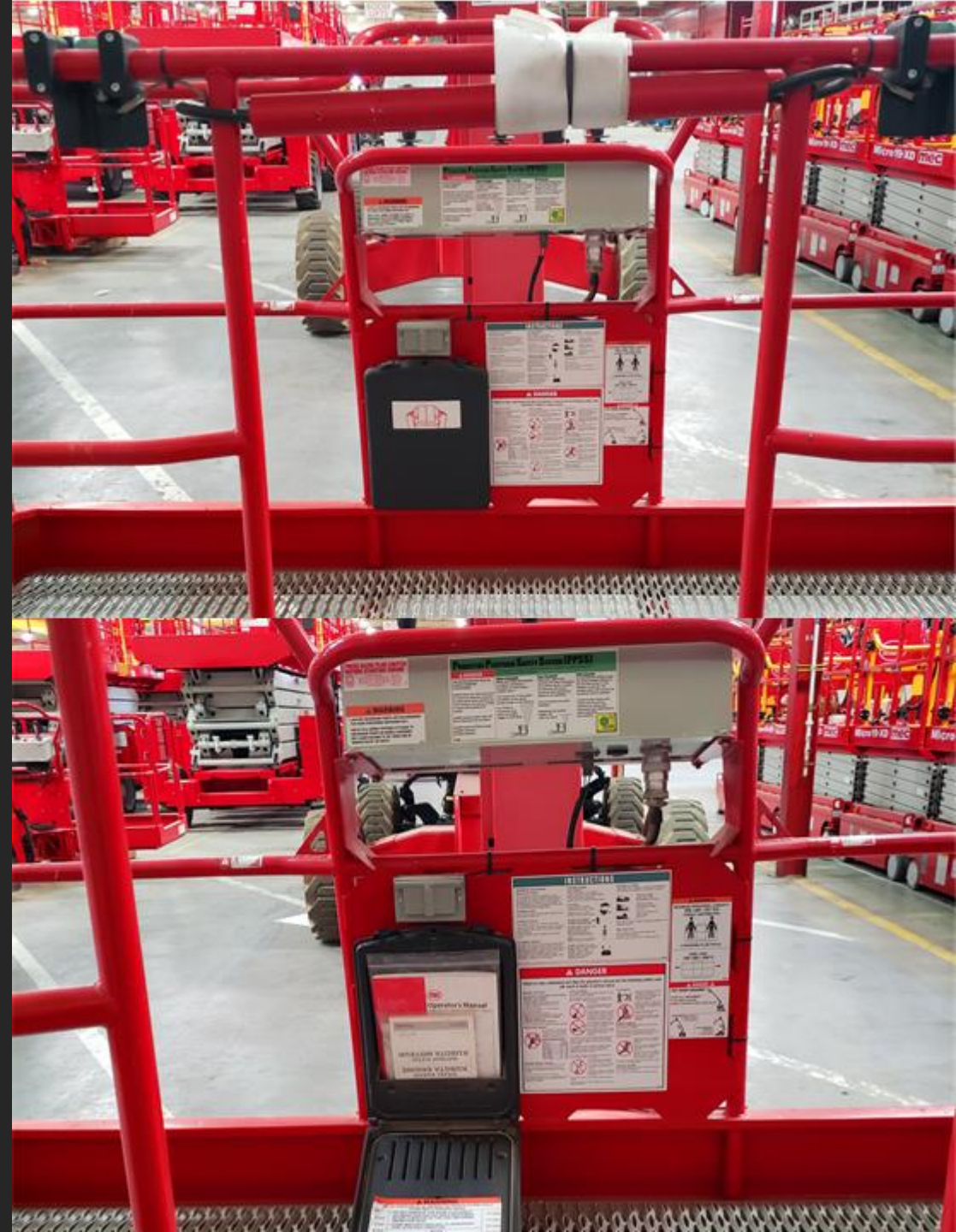


MEWP Familiarization: 45-AJ Boom

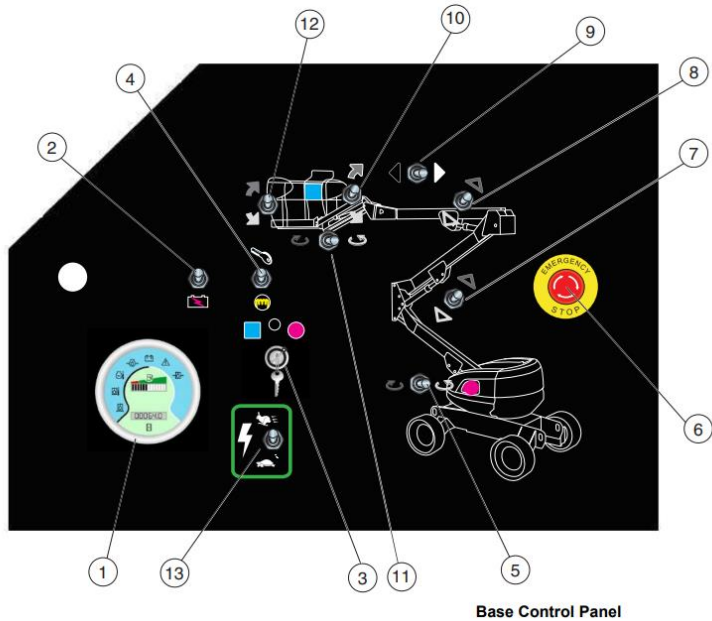
45-AJ Boom Familiarization

(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-AJ Boom.**



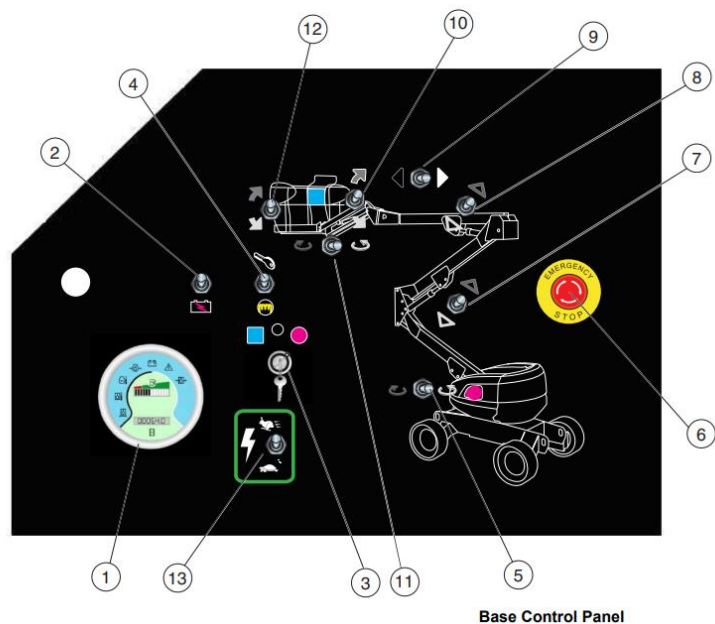
Base Controls (1-5)



Base Control Panel

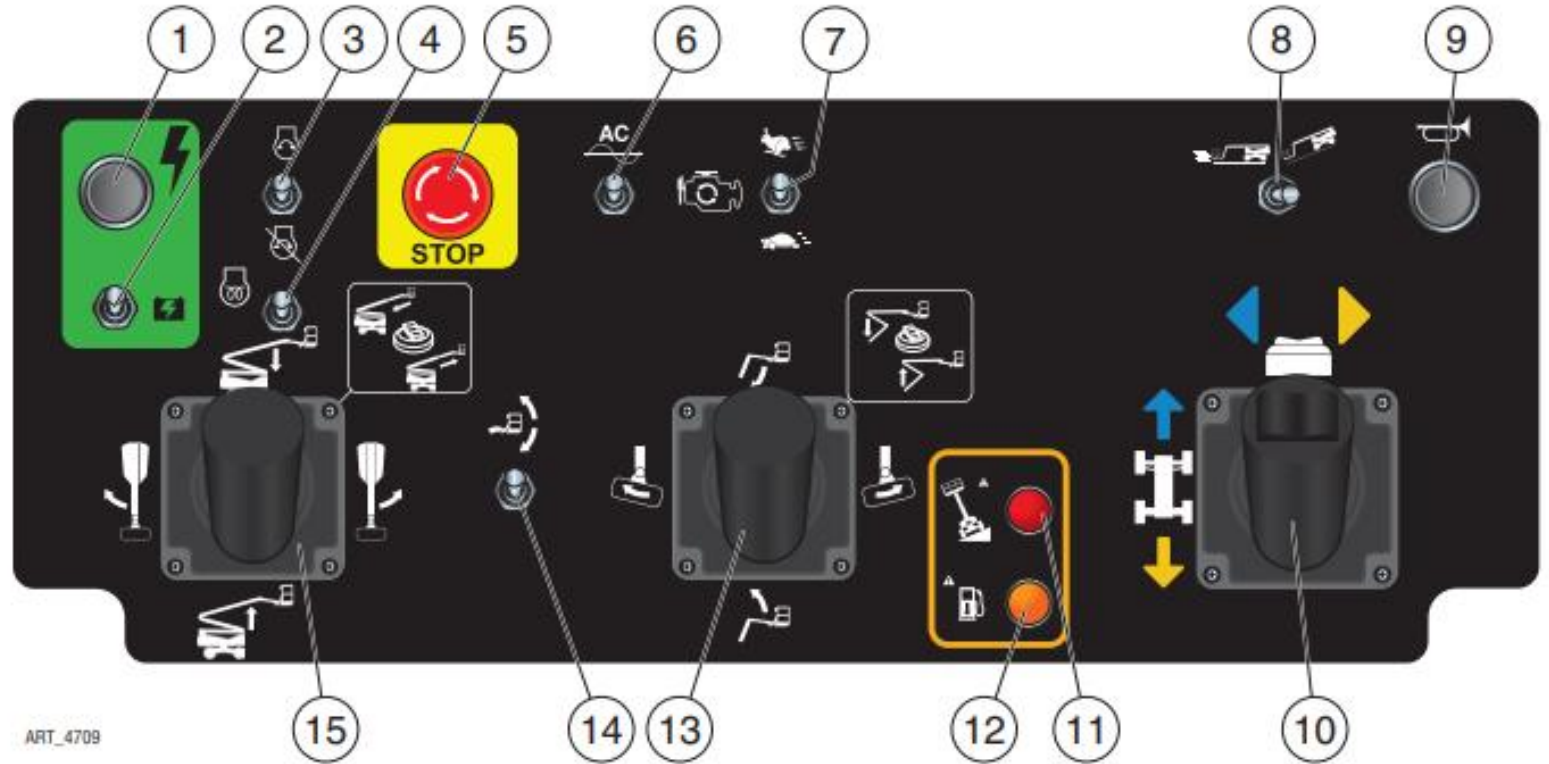
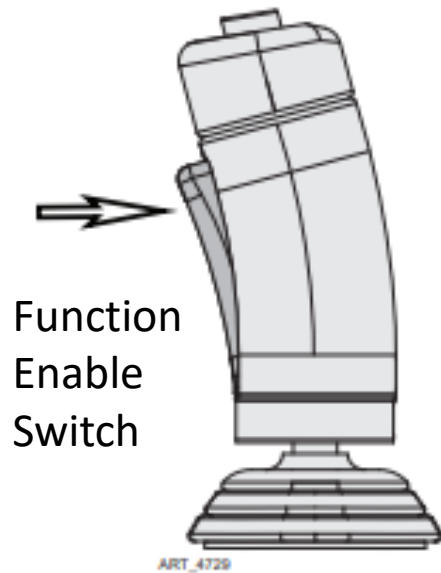
Control	Description
1 The Multifunction Gauge	<p>The Multifunction Gauge, is used to Display the following:</p> <ul style="list-style-type: none"> • Fuel Level • Hour Meter • The Alarm Light for the Engine High Coolant Temperature • The Alarm Light for the Engine Low Oil Pressure
2 Auxiliary Power Switch	<p>A Two Position Toggle Switch, choose the Auxiliary Power to operate the machine in Emergency Situations. It returns to neutral position once released.</p> <ul style="list-style-type: none"> • Push and hold the Toggle Switch to battery direction; The Auxiliary power will be selected • Operation of the Auxiliary Power also acts as an enable switch to enable machine operation.
3 The Ground and Platform Controls Selecting Switch	<p>A three position key switch supplies power to the ground controls or platform console or the center off position.</p> <ul style="list-style-type: none"> • Normally, it is in Center, the Power is cut off • Turn the Key Switch Counter-clockwise to the Blue Square Position, the machine would be controlled by the Platform Controls. • Turn the Key Switch Clockwise to the Red Circle Position, the machine would be controlled by the Ground Controls.
4 Engine Start Switch	<p>A three position Toggle Switch, it is used to start the engine or power the glow plug to assist to start the engine in cold weather.</p> <ul style="list-style-type: none"> • To start engine, push the toggle switch Up to the Key Icon, until the engine starts running, release the switch once the engine starts. It will return back to Neutral position once its released. • In cold weather, first push the toggle switch lever down to Glow Plug Icon for about 7 seconds, the glow plug will be energized, the push the toggle switch up to Key Icon to start the engine.
5 Turntable Swing	<p>A three position Toggle Switch allows the operator to swing the turntable to left or right according the indication direction. It will return to Neutral once released.</p>

Base Controls (6-13)



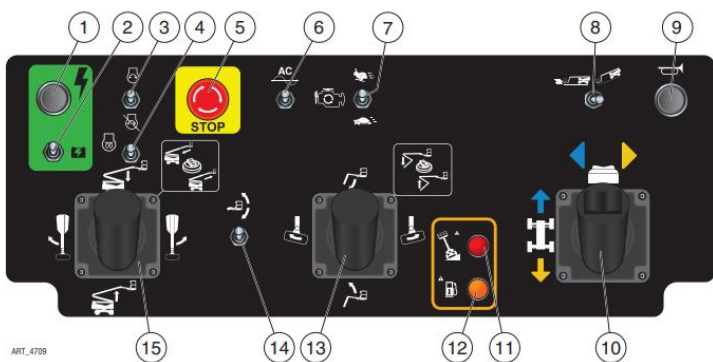
Control	Description
6 Emergency Stop	<p>A two-position red mushroom shaped switch furnishes power to Ground Select switch, it is used to shut down the engine and turn off the system power in emergency situation.</p> <ul style="list-style-type: none"> • Push the switch, to shut the power off. • Turn the mushroom clockwise to turn ON the power.
7 Riser Boom Up & Down	<p>A Three Position Toggle Switch. Push the toggle lever Up according to Up Arrow direction, the Riser Booms will be raised simultaneously. Push the toggle lever DOWN will lower the Riser Booms. Once the toggle lever is released, it will return to the Neutral position.</p>
8 Main Boom Up & Down	<p>A Three Position Toggle Switch. Push the toggle lever Up to raise the Main Boom. Push the toggle lever DOWN to lower the Main Boom. Once the toggle lever is release, it will return to the Neutral position.</p>
9 Main Boom Telescope	<p>A Three Position Toggle Switch. Push the toggle lever LEFT to telescope the Main Boom out. Push the toggle lever to the RIGHT to retract the Main Boom in. Once the toggle lever is released, it will return to the Neutral position.</p>
10 Jib Boom Up & Down	<p>A Three Position Toggle Switch. Push the toggle lever Up to raise the Jib. Push the toggle lever DOWN to lower the Jib. Once the toggle lever is released, it will return to the Neutral position.</p>
11 Platform Rotate	<p>A Three Position Toggle Switch. Allows the operator to rotate the platform to left or right according to the indicated direction. It will return to Neutral once released.</p>
12 Platform Leveling Trim	<p>A Three Position Toggle Switch. Allows the operator to trim the platform automatic self leveling system.</p> <p>Only use the platform leveling override function for slight leveling of the platform. Incorrect use could cause the load/occupants to shift or fall. Failure to do so could result in death or serious injury.</p>
13 Function Enable	<ul style="list-style-type: none"> • Press and hold this switch to enable operation of machine functions from the base controls. • Press down to operate the controls at slow speed. • Press up to operate the controls at higher speed. • Releasing this switch will disable machine functions.

Platform Controls (1-5)



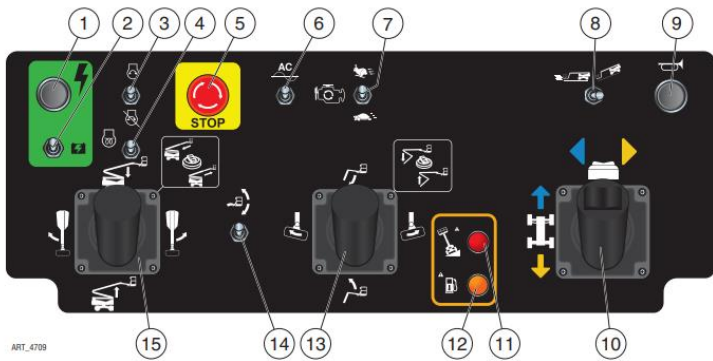
Control	Description
1 Function Enable Button	Press and hold this button to enable platform trim.
2 Auxiliary Power	If normal power fails, press and hold while using Boom Retract and Boom Lower functions.
3 Start/Stop Switch	Move this switch up to start engine. Press this switch down to stop engine.
4 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 (6-10)



Control	Description				
6	<p>Generator Switch (Optional)</p> <p>Turn switch ON to engage optional AC generator. Generator switches off when any other function is enabled.</p>				
7	<p>Engine Speed Select Switch</p> <p>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.</p>				
8	<p>Speed/Torque Switch</p> <p>Move this switch to the left for high speed drive. Push this switch to the right for high torque drive.</p>				
9	<p>Horn Button</p> <p>Press to sound warning horn.</p>				
10	<p>Drive/Steer Control Lever</p> <p>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.</p> <table border="1"> <tbody> <tr> <td>Drive Function</td> <td>Depress the enable bar on front of the control lever, then push the control lever forward or backward to drive the machine.</td> </tr> <tr> <td>Steer Function</td> <td>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.</td> </tr> </tbody> </table>	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.
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 (11-15)



Control	Description
11 Tilt Indicator Light	This light illuminates and an alarm sounds when the machine is not level. Follow the instructions on page 27 in the manual to safely lower the platform.
12 Low Fuel Indicator Light	If this amber light is illuminated, the fuel level is low. Refuel soon.
13 Jib/Platform/Riser 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.
	Riser Boom Lift/Lower Function Depress the enable bar on front of the control lever, then push the thumb switch on top of the control lever back to raise the Riser Boom. Depress forward to lower the Riser Boom.
14 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.
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:** 45 ft.
- **Max. Outreach:** 25 ft. 2 in.
- **Max. Platform Capacity:** 500 lbs.
- **Max. Personnel Capacity:** 2 Persons
- **Max. Gradeability (stowed):** 40%/22°
- **Jib Range of Motion:** 120°
- **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:

- 48HP Kubota Diesel 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

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