MEWP Familiarization: MEC® DualReach™ 85-J Boom
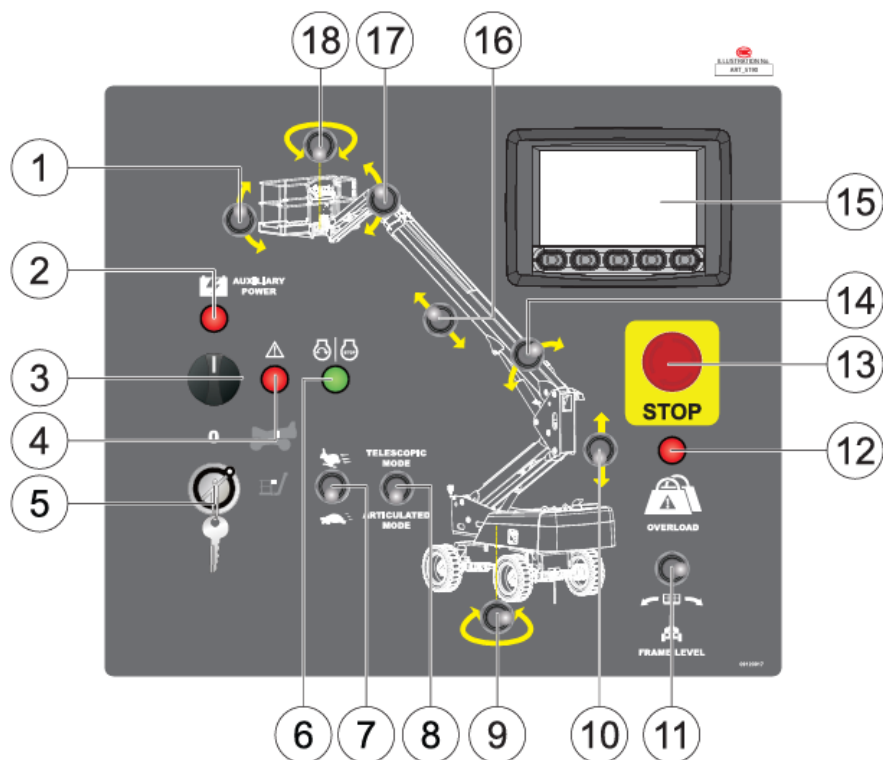
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MME30-RJ Familiarization (ANSI A92.22 6.2.5)

- 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 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 DualReach 85-J Boom.
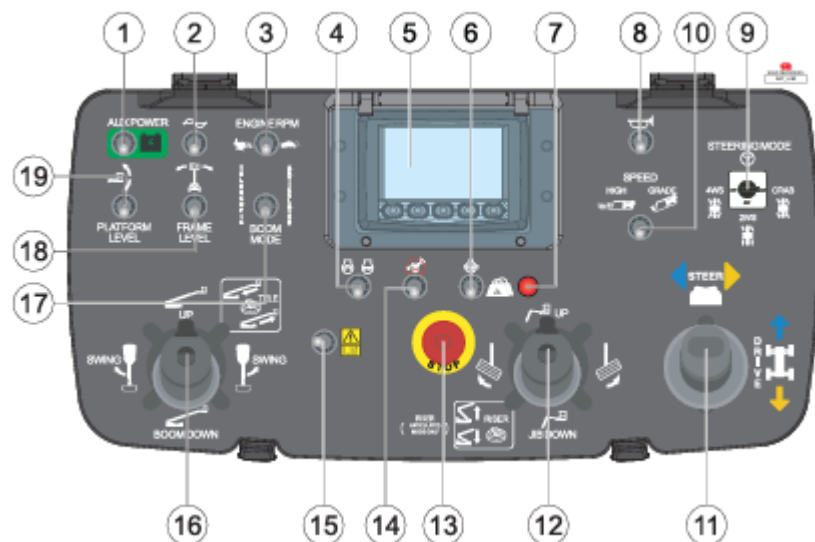
Base Control Panel

Base Controls

	Control	Description
1	Platform Level Switch	Turn the Function Enable Switch to enable operation. Move this switch up to manually level the platform upward Move this switch down to manually level the platform downward.
2	Auxiliary Power Button	If normal power fails, press and hold while using Boom Retract and Boom Lower functions.
3	Function Enable Switch	Turn this switch right and hold to enable boom, turntable and platform operations from the base controls.
4	Emergency Platform Bypass	This switch bypasses the e-stop circuit and allows the machine to power on without completing the emergency power loop. It is for Emergency situations.
5	Key Selector Switch	Off — Select to stop operation from the lower and upper control panel.
		Platform — Select to operate from the platform control panel.
		Base — Select to operate from the lower control panel.
6	Start/Stop Button	Press the green button to start the engine or to turn the engine off.
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	Boom Mode Select Switch	Use this switch to set the boom mode: Move this switch up to select Telescopic Mode which allows the synchronous boom lift. Move this switch down to select Articulated Mode which allows the riser boom and main boom to be operated independently.
9	Turntable Rotate Switch	Turn the Function Enable Switch to enable operation. Move this switch left to rotate the turntable clockwise. Move this switch right to rotate the turntable counterclockwise.
10	Riser Lift/Lower Switch	This function can only be activated when Articulated Mode has been selected. Turn the Function Enable Switch to enable operation. Move this switch up to lift the riser boom or move this switch down to lower the riser boom.
11	Frame Level Switch (Option)	Turn the Function Enable Switch to enable operation. Move this switch left or right to manually adjust the level position of the frame.
12	Overload Indicator Light	Light ON indicates too much weight in the platform. An audible alarm will sound and all machine function will stop. Remove weight from the platform to restore function and continue.
13	Emergency Stop Switch	Press the EMERGENCY STOP switch at any time to stop all machine functions. Pull the switch to reset.
14	Main Boom Lift/Lower	Turn the Function Enable Switch to enable operation. Move this switch up to lift the boom or move this switch down to lower the boom.
15	Diagnostics Display Panel	This panel contains the basic information for monitoring the working status of the boom. See page 15.
16	Telescopic Boom Extend/ Retract Switch	Turn the Function Enable Switch to enable operation. Move this switch up to extend the boom or move this switch down to retract the boom.
17	Jib Lift/Lower Switch	Turn the Function Enable Switch to enable operation. Move this switch up to lift the jib or move this switch down to lower the jib.
18	Platform Rotate Switch	Turn the Function Enable Switch to enable operation. Move this switch left to rotate the platform clockwise or move this switch right to rotate the platform counterclockwise.

Upper Controls

Platform Controls

	Control	Description	
1	Auxiliary Power Switch	If normal power fails, press and hold while using Boom Retract and Boom Lower functions.	
2	Generator Switch (Optional)	Turn switch ON to engage optional AC generator.	
3	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 left for high idle speed and fast function speed. Move this switch right for low idle speed and slow function speed.	
4	Start/Stop Switch	Press this switch to either start the engine or to turn the engine off.	
5	Diagnostics Panel	This panel contains the basic information for monitoring the working status of the boom. See page 15.	
6	Differential Lock Switch	Pressing this switch activates the differential lock which increases the traction of the wheels on the rear axle.	
7	Overload Indicator Light	Light ON indicates too much weight in the platform. An audible alarm will sound and all machine function will stop. Remove weight from the platform to restore function and continue.	
8	Horn Button	Press the switch up to sound warning horn.	
9	Steering Mode Select Switch	Use this switch to set the steering mode: Left position: 4-Wheel Steer -- The front and rear wheels steer in opposite directions. Center position: 2-Wheel Steer -- Only the front two wheels steer. Right position: Crab Steer -- All four wheels turn in the same direction.	
10	Speed/Torque Select Switch	Move this switch to the left for high speed drive. Push this switch to the right for high torque drive.	
11	Drive/Steer Control Handle	Depending on the position of the turntable, the machine may move in unexpected directions when the Drive and Steer functions are activated. 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 handle, then push the control handle forward or backward to drive the machine. The speed of movement is proportional to handle movement.
		Steer Function	Depress the enable bar on front of the control handle, then press the thumb switch on top of the control handle to steer left or right. The speed of movement is proportional to handle movement.
12	Jib/Platform Control Handle	Jib Lift/Lower Function	Depress the enable bar on front of the control handle, then push the control handle forward to lift the jib. The speed of movement is proportional to handle movement. Depress the enable bar on front of the control handle, then pull the control handle backward to lower the jib. The speed of movement is proportional to handle movement.
		Platform Rotate Function	Depress the enable bar on front of the control handle, then push the control handle right to rotate the platform counterclockwise. The speed of movement is proportional to handle movement. Depress the enable bar on front of the control handle, then push the control handle left to rotate the platform clockwise. The speed of movement is proportional to handle movement.
		Riser Lift/Lower Function	While in Articulated Mode depress the enable bar on front of the control handle, then push the thumb switch on top of control handle forward to lift the riser. While in Articulated Mode depress the enable bar on front of the control handle, then push the thumb switch rearward to lower the riser.
13	Emergency Stop Switch	Press the Emergency Stop switch at any time to stop all machine functions. Pull the switch to reset.	
14	Turntable out of Center/Drive Enable	The driving function is restricted when the turntable exceeds 45 degree. Press and release this button to allow a 10 second window in which you can enable the Drive/Steer function in Low Speed mode. The operation will continue until you stop the function.	
15	Emergency Platform Bypass	In the event that the machine engine doesn't power on while the platform is elevated, press and hold this button and press the Function Enable Switch while using Boom Retract and Boom Lower functions.	
16	Boom/Turntable Control Handle	Turntable Rotate Function	Depress the enable bar on front of the control handle, then push the control handle to the left to rotate the turntable clockwise or right to rotate the turntable counterclockwise. The speed of movement is proportional to handle movement.
		Boom Lift/Lower Function	Depress the enable bar on front of the control handle, then push the control handle forward to elevate the boom. The speed of movement is proportional to handle movement. Depress the enable bar on front of the control handle, then pull the control handle backward to lower the boom. The speed of movement is proportional to handle movement.
		Boom Extend/Retract Function	Depress the enable bar on front of the control handle, then push the thumb switch on top of control handle back to extend the boom. Depress the enable bar on front of the control handle, then push the thumb switch forward to retract the boom.
17	Boom Mode Select Switch	Move this left to select Telescopic Mode which synchronizes boom lift. Move this right to select Articulated Mode which allows independent boom operation.	
18	Frame Level Switch (Option)	Depress any function enable then move this switch left or right to manually adjust the level position of the frame.	
19	Platform Level Switch	Depress any function enable then move this switch up to manually level the platform upward. Depress any function enable then move this switch down to manually level the platform downward.	

Operating Characteristics

Features:

- DualReach Selection for Telescopic or Articulated – Two Machines in One
- 2-Wheel Steer/4-Wheel Steer/Crab Steer Standard
- Dual Capacity – 600 lbs. (272 kg) Unrestricted, 900 lbs. (408 kg) Restricted
- Deutz Turbo-Charged Engine Tier 4
- Solid Rough Terrain Tires
- Axle-Based 4WD Traction Control Drive

Options:

- Frame Levelling to Work on Slopes with 7 degree of level ability
- Cold Weather Package
- Second Year Extended Warranty

*See operator's manual for specific options and feature characteristics.

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.