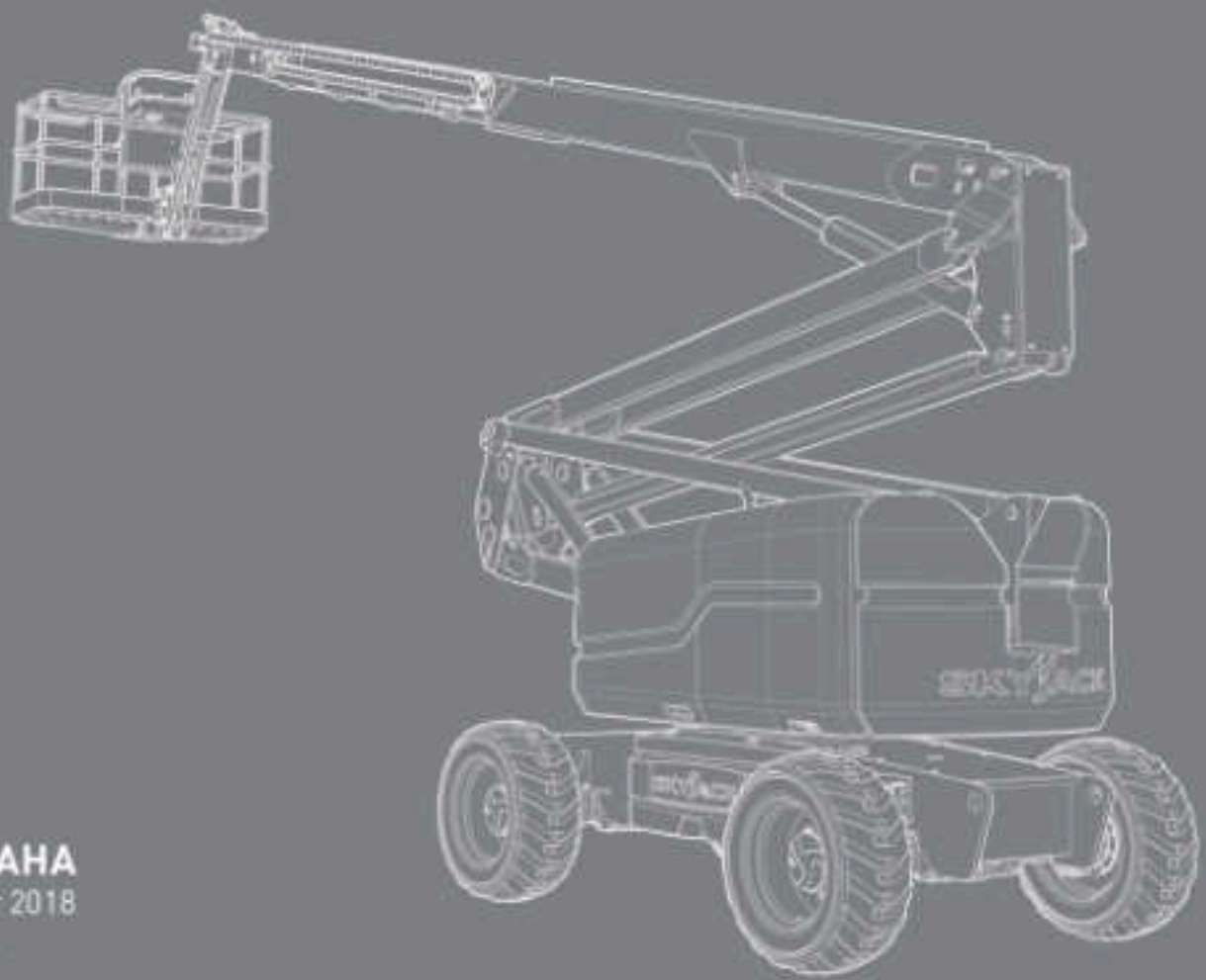
SKYJACK

OPERATING MANUAL

SJ85AJ

ARTICULATING BOOMS



208931AHA
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ANSI/CSA

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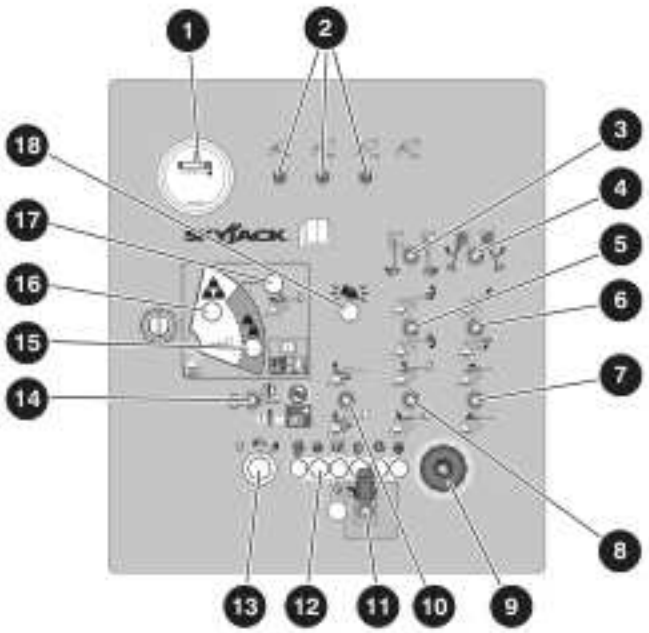
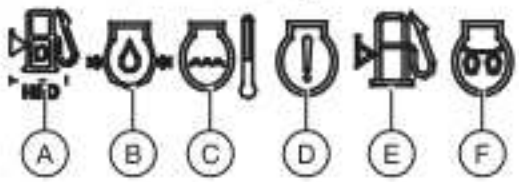


Figure 07 Base Control Console

3.3-3 Base Control Console

This control console is located in the panel mounted in the control compartment. It has the following controls:

1. **Hourmeter** - This gauge records accumulated operating time of engine.
2. **Circuit Breakers** - In the event of a power overload or positive circuit grounding, the circuit breaker pops out. Push breaker back in to reset.
3. **Platform Rotation Switch** - This switch controls left or right rotation of platform.
4. **Turret Rotation Switch** - This switch controls left or right rotation of turret.
5. **Platform Leveling Override Switch** - This switch overrides automatic leveling of platform and controls tilting up or tilting down of platform.
6. **Jib Up/Down Switch** - This switch controls up or down movement of jib.
7. **Fly Boom Extend/Retract Switch** - This switch controls extension or retraction of fly boom.
8. **Main Boom Raise/Lower Switch** - This switch controls raising or lowering of main boom.
9. **Emergency Stop Button** - This red "mushroom-head" pushbutton disconnects power to control circuit and shuts engine off.
10. **Riser Raise/Lower Switch** - This switch controls raising or lowering of riser.
11. **Positive Air Shutoff Switch (If Equipped)** - This switch allows the operator to shut off the air supply to the engine if the engine continues running after the main power is shut down.
12. **Status Indicator Pilot Lights** - These lights indicate operational status and errors in any function in the controls/engine.



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7.6 Tire/Wheel Specifications

	SJ 85AJ
Tire Size	Outrigger R4 18-625
	18.71 in. x 41.16 in. (0.48 m x 1.05 m)
Type	Foam-filled
Tire Ply Rating	16
Wheel Nuts Torque	373 Nm

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7.7 Maximum Platform Capacities

	SJ 85AJ
Total Capacity (High)	750 lb (340 kg)
	3 Persons
Total Capacity (Low)	500 lb (227 kg)
	2 Persons
Maximum Wind	12.5 m/s
Maximum Side Force	400 N
Tilt Cutout Setting	5 degrees x 5 degrees

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7.8 Floor Loading Pressure

MODEL	Gross MEWP Weight		Total MEWP Load					
			Wheel		LCP		OUP	
	lb.	kg	lb.	kg	psi	kPa	psf	kPa
SJ 85AJ	38,150	17,305	16,500	7,500	171	1,179	355	17.0

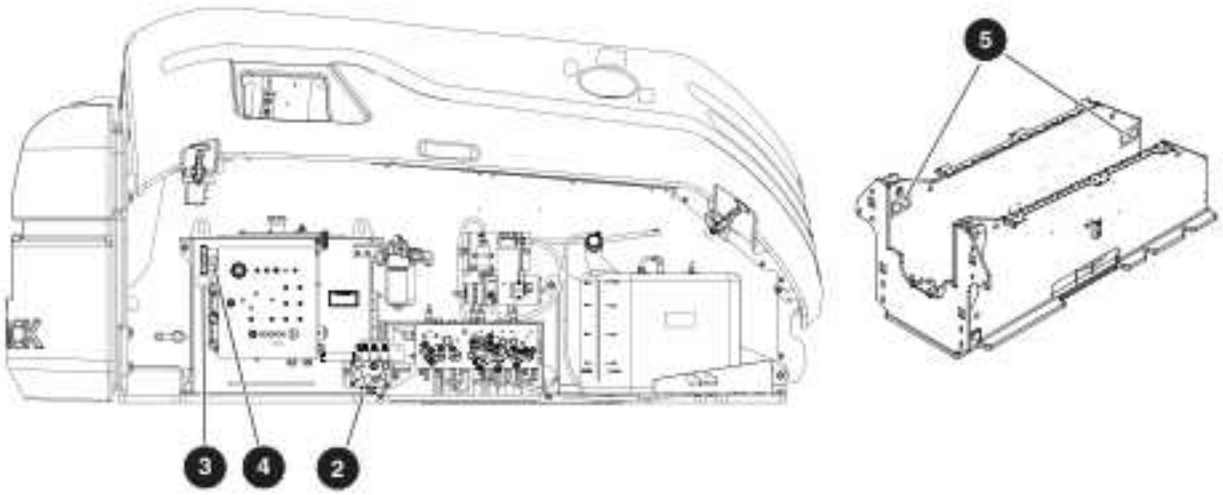
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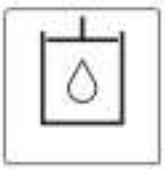
- Gross MEWP Weight = Weight + platform capacity
- LCP – Locally Concentrated Pressure – is a measure of how hard the MEWP tire tread presses on the area in direct contact with the floor. The floor covering (tile, carpet, etc.) must be able to withstand more than the indicated values above.
- OUP – Overall Uniform Pressure – is a measure of the average load the MEWP imparts on the whole surface projected directly underneath it. The structure of the operating surface (beams, etc.) must be able to withstand more than the indicated values above.
- Welder option will add approximately 350 lb. (158.8 kg) to total MEWP weight and 175 lb. (79.4 kg) to max. wheel load.

NOTE:
The LCP or OUP that an individual surface can withstand varies from structure to structure and is generally determined by the engineer or architect for that particular structure.

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Control Compartment (Continued)



Description	Label Pictorial
❷ Grease Points Maintenance Refer to service and maintenance manual for lubricating MEWP.	
❸ Hydraulic Oil Replace hydraulic fluid with approved type (see Service manual).	
❹ Hydraulic Oil Level Indicates minimum/maximum oil level.	
❺ Warning - Maintenance Support Do not enter the space beneath the work platform or extending structure during maintenance unless a means of structure support is in place. Refer to Service manual for instructions regarding machine power isolation and structure support during maintenance.	

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If operation in areas with holes or drop-offs is absolutely necessary, elevated driving shall not be allowed. Position the MEWP horizontally only with the platform fully lowered. After ensuring that all 4 wheels or outriggers (if equipped) have contact with a firm, level surface, the MEWP can be elevated. After elevation, the drive function must not be activated.



DO NOT drive elevated on a soft or uneven surface.



DO NOT ascend or descend a grade steeper than 45% (4WD). Boom elevated driving must only be done on firm, level surfaces.



DO NOT operate an MEWP that has ladders, scaffolding or other devices mounted on it to increase its size or work height. It is prohibited.



DO NOT exert horizontal (manual) force on MEWP that exceeds the limits specified in Section 7.7.



DO NOT use the MEWP as a crane. It is prohibited.



DO NOT climb on boom arm assembly. It is prohibited.



DO NOT sit, stand or climb on the guardrails. It is prohibited.



AVOID overhead obstructions. Be aware of overhead obstructions or other possible hazards around MEWP when lifting or driving.



AVOID crushing hazards. Be aware of crushing hazards when lifting or driving. Keep all body parts inside the MEWP.



BE AWARE of blind spots when operating the MEWP.

ENSURE that there are no personnel or obstructions in the path of travel, including blind spots.



DO NOT lower the platform unless the area below is clear of personnel and obstructions.

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