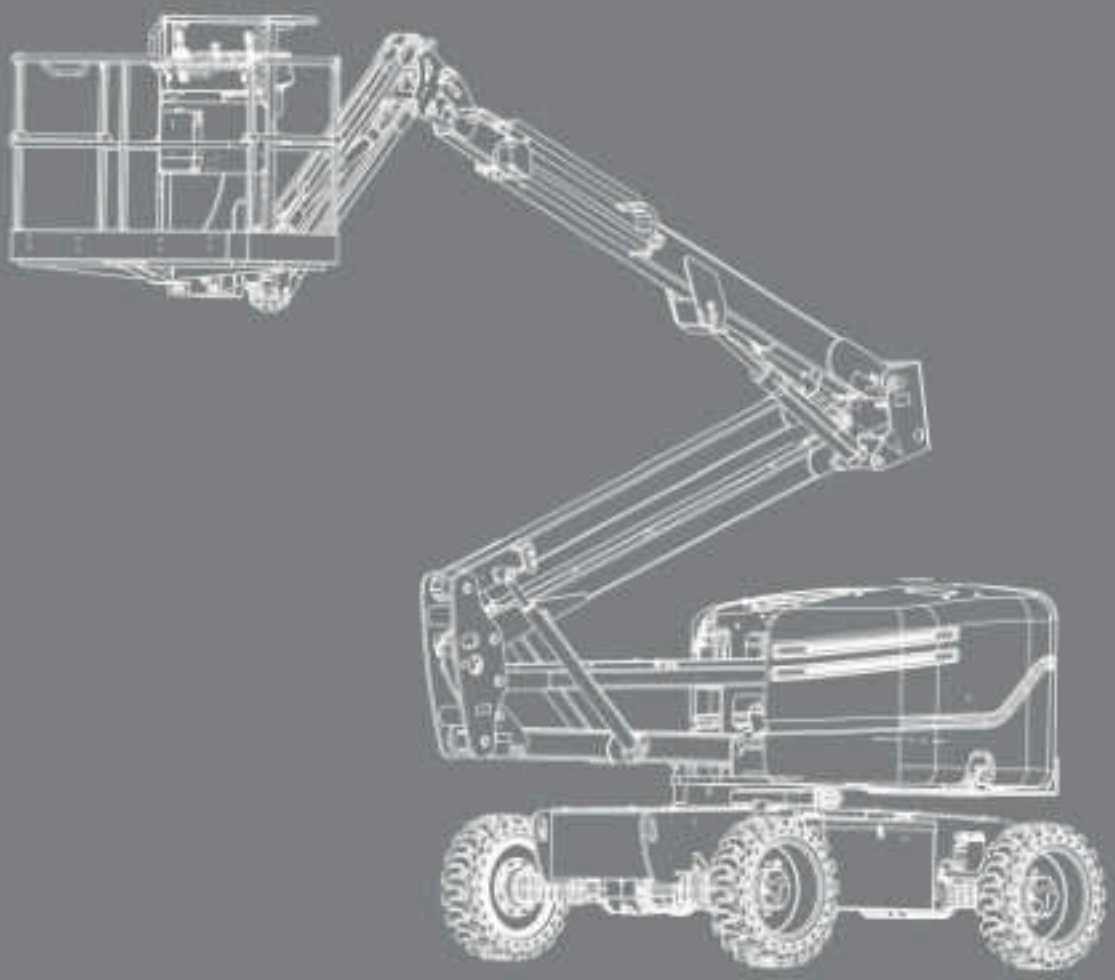
SKYJACK

OPERATION MANUAL

SJ45 AJHE+, SJ60 AJHE+

ARTICULATING BOOMS HYBRID



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ANSI/CSA

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1.4 Maintenance responsibility

1.4-1 Operator

Before the beginning of each shift, do all the daily inspections and function tests. Refer to *Section 4*.

1.4-2 Maintenance and inspection schedule

Refer to the service manual for frequent, periodic, and annual inspections.

The actual operating environment of the MEWP may affect the maintenance schedule.

IMPORTANT

Only use original or manufacturer-approved parts and components for the MEWP.

NOTE

Refer to the Skyjack web site (www.skyjack.com) for machine registration and the latest service bulletins before you do frequent/periodic or annual inspections.

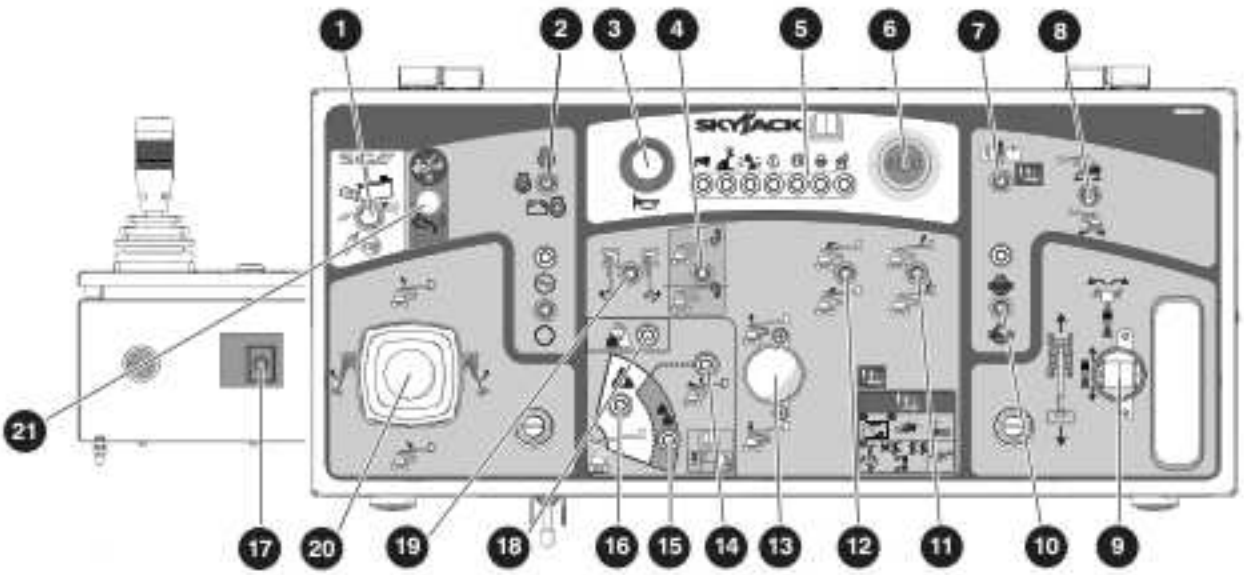
1.4-3 Owner

The owner is responsible for maintenance inspections and repairs. Refer to the service manual for the recommended maintenance and inspection areas and intervals. Keep a record of the annual inspection on the label on the cowling of the control compartment. Refer to *Section 7.3* in this manual.

⚠ WARNING

Only trained and qualified/competent personnel, who understand the mechanical procedures, may do maintenance on the MEWP. The use of a MEWP that is not properly maintained or in the correct working condition could result in death or serious injury.

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7. **Emergency-power unit switch:** This switch enables the emergency-power unit.
8. **High speed/low speed drive switch**: This switch selects low or high speed. Select low speed when you drive on a slope.
9. **Drive/steer controller:** This single-axis lever controls the drive movements. To return it to the initial neutral position, release the controller. The rocker switch controls the left and right steering. Internal springs return the rocker switch to the initial neutral position when it is released.
10. **Differential lock switch:** This switch, when pushed forward and then released, engages the differential lock and turns the differential light on. When this switch is pulled back and then released, it disengages the differential lock and turns the differential light off.
11. **Jib up/down switch:** This switch controls the up or down movement of the jib.
12. **Boom extend/retract switch:** This switch controls the extension or retraction of the boom.
13. **Riser raise/lower controller:** This single-axis lever controls the raise or lower function of the riser.
14. **Capacity zone border light (SJ60 AJHE+ only):** This light shows the MEWP is at the limits of travel for the high-capacity zone. The lower and extend functions are not available.
15. **Low-capacity zone indicator light (SJ60 AJHE+ only):** This light shows the MEWP is in the low platform capacity zone. Refer to *Section 7.8*.
16. **High-capacity zone indicator light (SJ60 AJHE+ only):** This light shows the MEWP is in the high platform capacity zone. Refer to *Section 7.8*.
17. **Capacity derate switch:** This switch controls the platform capacity. This switch also derates the platform capacity to adapt to specified attachments. Refer to *Section 5.24* and *Section 5.25* for operation, *Section 7* for specifications, and *Section 8* for the labels.
18. **Capacity derate light:** This light illuminates when the capacity derate switch is selected. It indicates the reduction in platform capacity. Refer to *Section 5.24* and *Section 5.25* for operation, *Section 7* for specifications, and *Section 8* for the labels.
19. **Platform rotation switch**: This switch controls the left or right rotation of the platform.
20. **Boom/turret controller:** This dual-axis lever controls the raise or lower function of the main boom, and the left or right rotation of the turret.
21. **LanyardGo (if equipped):** This light turns green if the body-harness lanyard is attached to the LanyardGo anchorage point. It turns red, if it is not attached. Refer to *Section 5.26*.

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7.8 Maximum platform capacities (evenly distributed)

SJ45 AJHE+		Regular Platform Capacity		Derated Platform Capacity*	
	Capacity	300 kg	660 lb	272 kg	600 lb
	Maximum number of people	2	2	1	1
	Manual side force	400 N	90 lbf	200 N	45 lbf
Wind rating	-	12.5 m/s (28 mph)		12.5 m/s (28 mph)	
Tilt cutout setting	side-to-side x front-to-back	5 degrees x 5 degrees		5 degrees x 5 degrees	
SJ60 AJHE+		**Regular Platform Capacity**		**Derated Platform Capacity***	
High-capacity zone	Capacity	454 kg	1000 lb	454 kg	1000 lb
	Maximum number of people	3	3	1	1
	Manual side force	400 N	90 lbf	200 N	45 lbf
Low-capacity zone	Capacity	300 kg	660 lb	272 kg	600 lb
	Maximum number of people	2	2	1	1
	Manual side force	400 N	90 lbf	200 N	45 lbf
Wind rating	-	12.5 m/s (28 mph)		12.5 m/s (28 mph)	
Tilt cutout setting	side-to-side x front-to-back	5 degrees x 5 degrees		5 degrees x 5 degrees	

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**Refer to Section 3 for the capacity derate switch operation.*

7.9 Floor loading pressure

Model		Weights		Pressures	
		Gross MEWP Weight	Weight per Wheel**	LCP***	OFL***
SJ45 AJHE+	*min**	5688 kg	1636 kg	897 kPa	8.7 kPa
	*max**	5987 kg	2706 kg	970 kPa	9.1 kPa
SJ60 AJHE+	*min**	9126 kg	2351 kg	825 kPa	11.9 kPa
	*max**	9578 kg	4110 kg	1090 kPa	12.5 kPa

***Min:** Minimum MEWP weight (Unloaded platform, no options/attachments)
Max: Maximum MEWP weight (Platform loaded to capacity with options/attachments)

****Wheel Load** is the weight that can be experienced on one wheel.
***Note:** This is more than 25% of the machine weight due to possible weight distribution over the machine and platform.*

*****LCP:** Local Concentrated Pressure is a measure of how hard the MEWP presses on the area in direct contact with the floor/tire.
OFL: Overall Floor Load (Pressure) is a measure of the average load the MEWP imparts on the whole surface directly underneath the chassis. This has been calculated by dividing the MEWP weight by the overall floor area occupied by the MEWP (on wheels).

***Note:** The floor covering (e.g., tile, carpet, etc.) or the structure (e.g., beams) of the operating surface must be able to withstand more than the values indicated above.*

NOTE

The **LCP** *or* **OFL** *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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DO NOT drive elevated near depressions or holes of any type, loading docks, debris, drop-offs or surfaces that may affect the stability of the MEWP.

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 have contact with a firm, level surface, the platform can be raised. After elevation, the drive function must not be activated.



DO NOT drive elevated on a soft or uneven surface.

DO NOT raise the platform if it is not on a firm, level surface.



DO NOT ascend or descend grades greater than the maximum inclines listed in *Section 7.5*. Ascending or descending slopes must only be done when fully lowered.



DO NOT operate a MEWP that has ladders, scaffolding, or other devices on it to increase the platform size or work height.



DO NOT exceed the maximum side force on the platform capacity label when elevated (refer to *Section 7.8*).



DO NOT use the MEWP as a crane.



DO NOT step on the boom arm assembly.



DO NOT sit, stand, or climb on the guardrails.









DO NOT collide or crush. Be aware of obstructions, personnel, or other possible hazards around the MEWP when elevating, lowering, or driving. Keep all body parts inside the platform when elevating or driving. Be aware of blind spots when operating the MEWP.

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