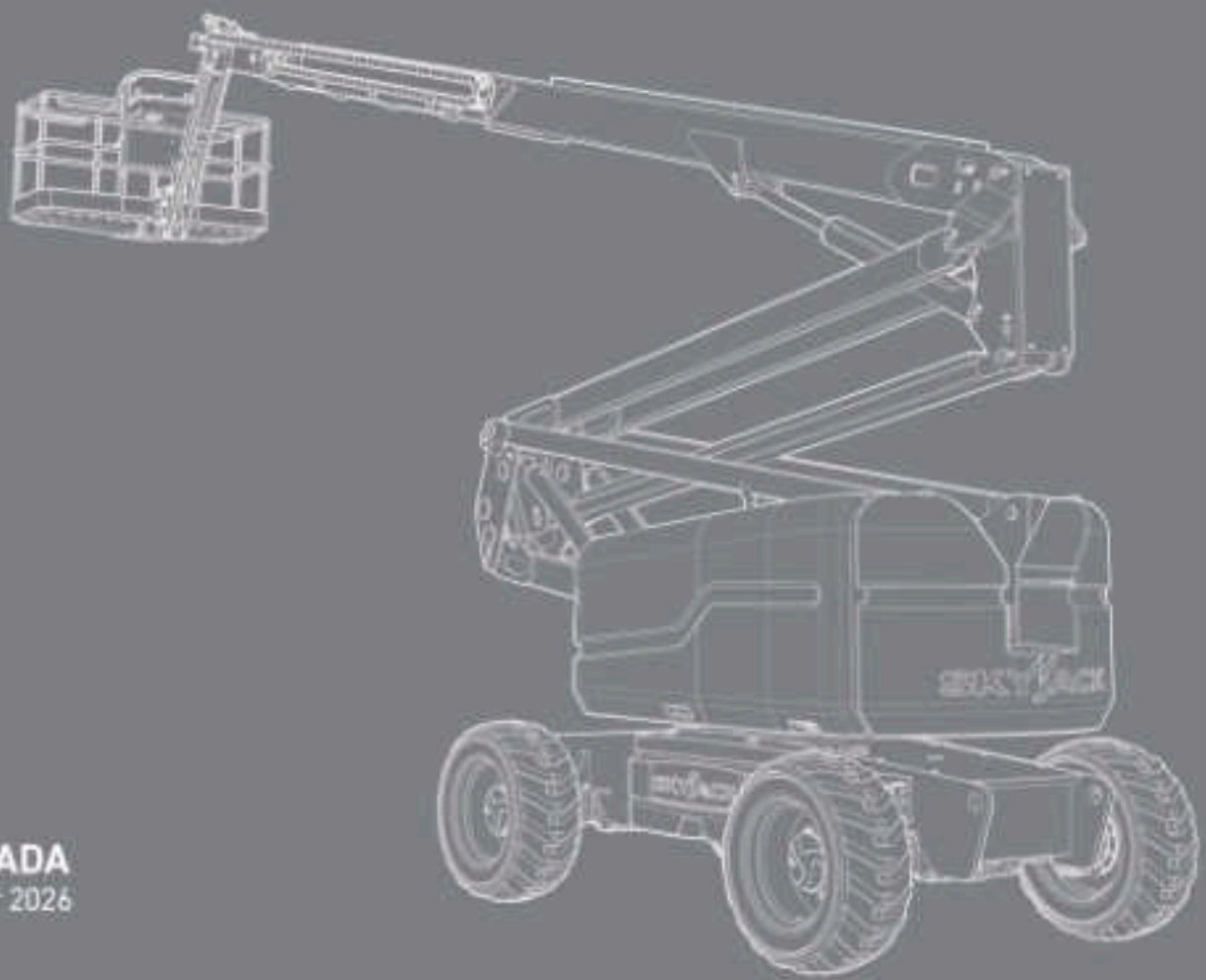
SKYJACK

OPERATING MANUAL

SJ85 AJ

ARTICULATING BOOMS



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September 2026
ANSI/CSA

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5.1-22 Engaging differential lock switch

1. Depress and hold footswitch.
2. On platform control console, push differential lock switch forward to the locked position and then release.

5.1-23 Disengaging differential lock switch

1. Ensure path of intended motion is clear.
2. Depress and hold footswitch.
3. Pull differential lock switch backward to the unlocked position and then release.

NOTE

To disengage differential lock mechanism, it may be necessary to release drive torque. This can be accomplished by operating drive (alternating directions) and/or steer functions (alternating directions).

5.1-24 Shutdown procedure

1. Select a reasonably well-protected parking location with a firm, level surface, clear of obstructions and traffic.
2. Completely retract boom and lower platform.
3. Push in emergency stop button on platform control console and on base control console.
4. Turn base/off/platform key switch to off position. Remove key.
5. Turn main power disconnect switch to off position.
6. If necessary, cover platform control console to protect warning labels and operating controls from hostile environments.

5.1-25 Hydraulic generator (if equipped)

To start hydraulic generator:

1. Ensure engine is running.
2. On platform control console, turn generator on/off switch to on position.

To restore normal operation:

1. On platform control console, turn generator on/off switch to off position.

NOTE

An engine shut down will turn the generator off. All functions are disabled while the generator switch is on.

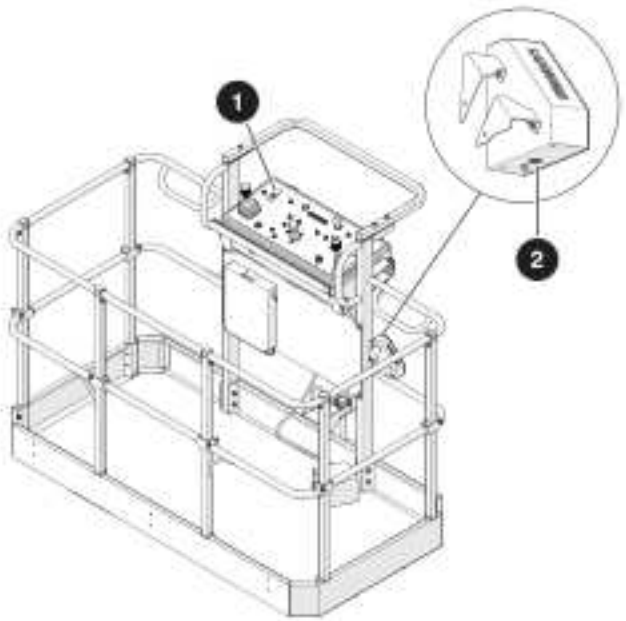
5.1-26 LanyardGo (optional equipment)

1. Attach the body-harness lanyard to the LanyardGo anchorage point.
2. The MEWP functions become active.
3. The light on the platform control console turns green.
4. The light at the bottom of the LanyardGo turns green.

NOTE

When the body-harness lanyard is not attached to the LanyardGo anchorage point:

- *The MEWP functions do not operate,*
- *The light ❶ on the platform control console turns red,*
- *The light ❷ at the bottom of the LanyardGo turns red to alert the personnel on the ground.*



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7.5 Specifications and Features-B

Model	SJ85 AJ
Electromagnetic Compatibility (EMC)	Meets EN13309:2010 requirements
Hazardous Location Rating	MEWP not rated for hazardous locations
Operating Temperatures	
Standard	-20°C (-4°F) to +40°C (+104°F)
Cold Weather Package	Below -10°C (+14°F)
Arctic Weather Package	Below -18°C (0°F)

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7.6 Tire/Wheel Specifications

SJ85 AJ	
Tire Size	Outrigger R4 18-625
	0.47 m x 1.05 m (18.7 in x 41.2 in)
Type	Foam-filled
Tire Ply Rating	16
Wheel Nuts Torque	373 Nm

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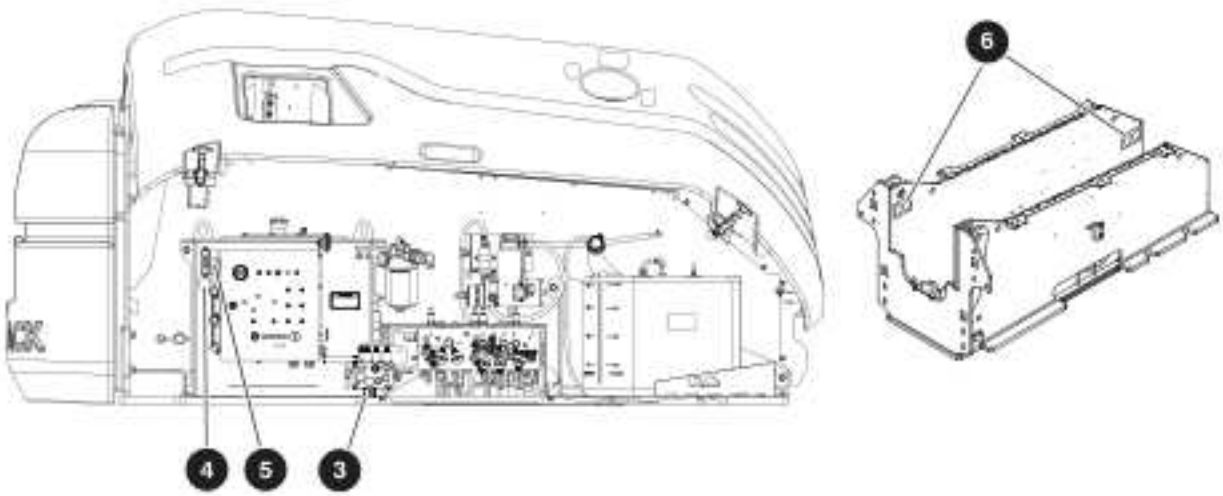
7.7 Maximum Platform Capacities

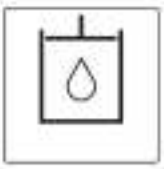
SJ85 AJ	
Total Capacity (High)	340 kg (750 lb)
	3 Persons
Total Capacity (Low)	227 kg (500 lb)
	2 Persons
Maximum Wind	12.5 m/s
Maximum Side Force	400 N
Tilt Cutout Setting	5 degrees x 5 degrees

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Control compartment (continued)



Description	Label Pictorial
3 Grease points maintenance Refer to service and maintenance manual for lubricating MEWP.	
4 Hydraulic oil Replace hydraulic fluid with approved type (see service manual).	
5 Hydraulic oil level Indicates minimum/maximum oil level.	
6 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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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.



DO NOT use boom to push, pull other objects or to lift the chassis.



DO NOT raise the MEWP while it is on a truck, forklift or other device or vehicle.

STUNT driving and horseplay are prohibited.



DO NOT use with improperly inflated/damaged tires or wheels. Refer to *Section 4.2-7*.



DO NOT alter or disable limit switches or other safety devices.

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