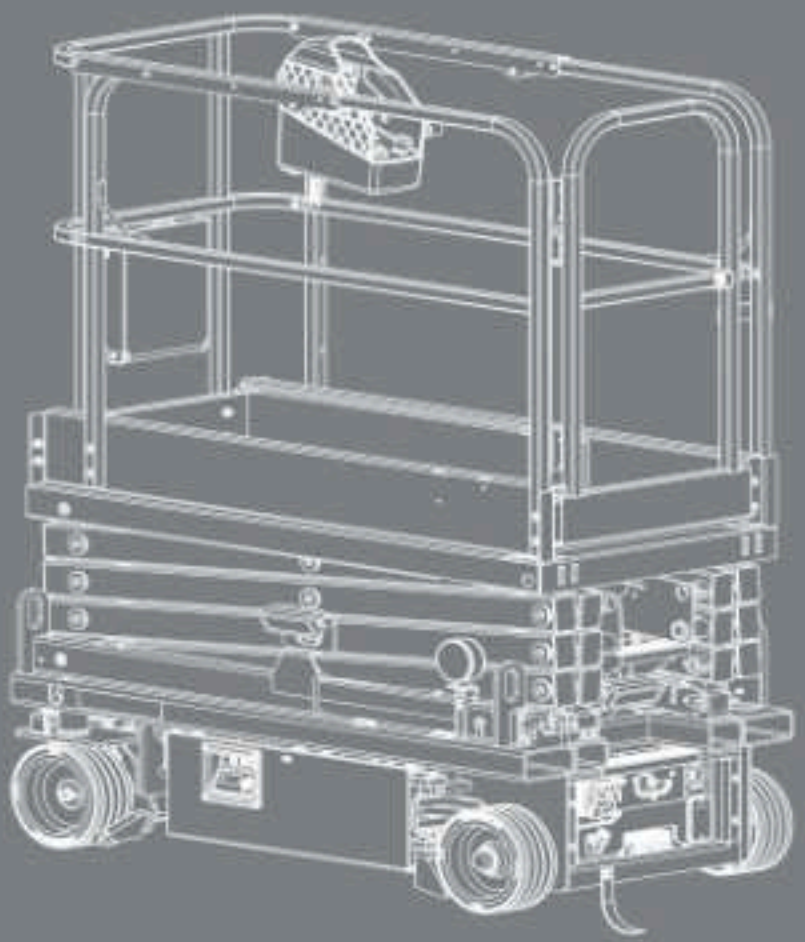
SKYJACK

OPERATION MANUAL

SJ3213 micro, SJ3219 micro

DC ELECTRIC SCISSORS



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ANSI /CSA

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1.4 Maintenance responsibility

1.4-1 Operator

Before each shift starts, 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 latest service bulletins before you do frequent, periodic or annual inspections.

1.4-3 Owner

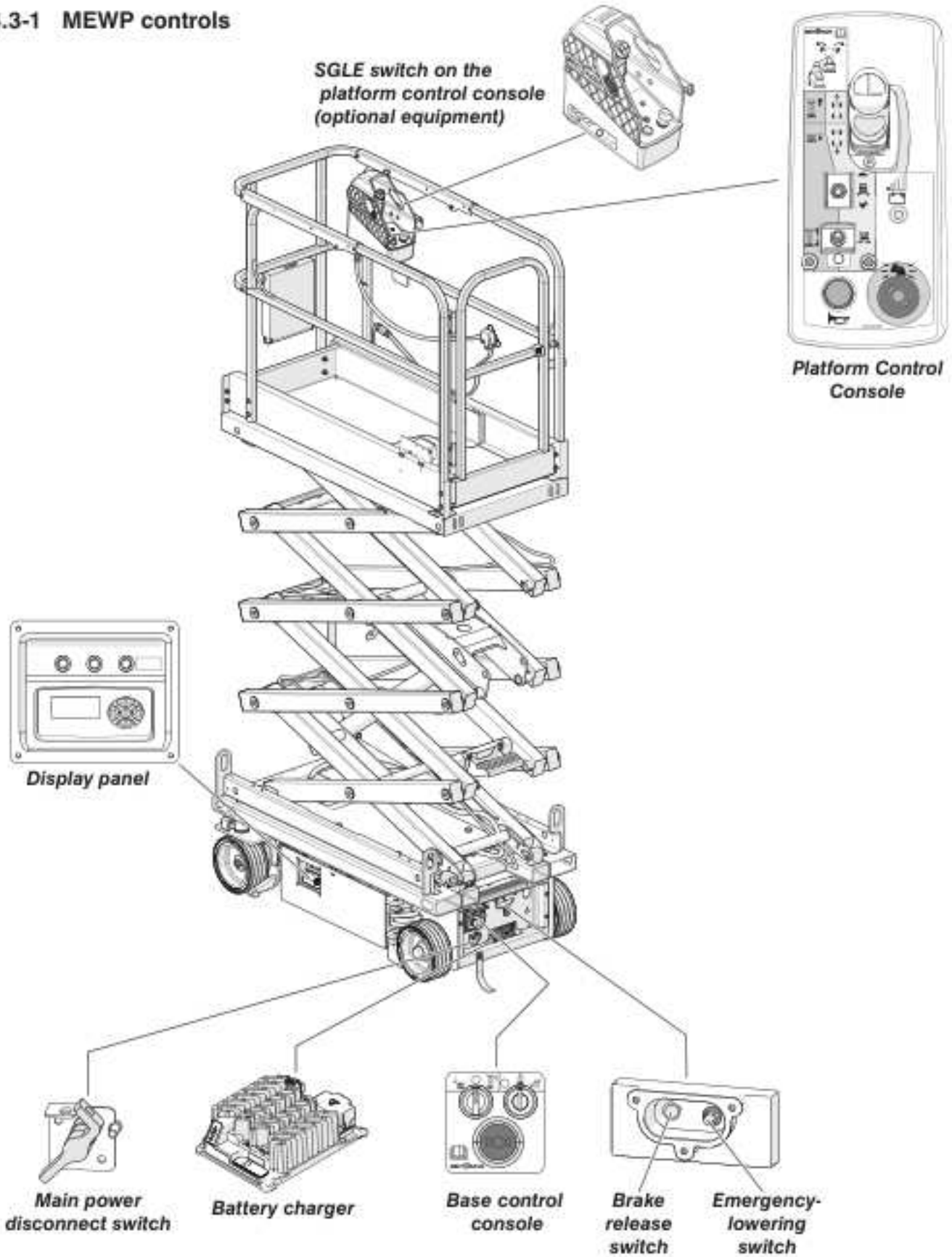
The owner is responsible for the maintenance inspections and repairs. Refer to the service manual for the recommended maintenance and inspection areas and intervals. Keep a record of the annual inspection on the label on the scissor assembly. Refer to *Section 7.2*.

⚠ 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 correctly maintained or in the correct working condition could result in death or serious injury.

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4.3-1 MEWP controls



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7.3 Specifications

Models	SJ3213 micro	SJ3219 micro
Weight *	860 kg (1897 lb)	1212 kg (2673 lb)
Overall Width	0.82 m (32.25 in)	
Overall Length (Platform Retracted)	1.53 m (60.25 in)	
Overall Length (Platform Extended)	2.03 m (80.25 in)	
Platform Size, Inside (Platform Retracted)	1.43 m (56.65 in)	
Platform Size Inside (Platform Extended)	1.95 m (76.65 in)	
Height		
Working Height	5.79 m (19 ft)	7.34 m (24 ft 1 in)
Platform Elevated Height	3.96 m (13 ft)	5.51 m (18 ft 1 in)
Stowed Platform Height	0.80m (31.81 in)	0.90 m (35.57 in)
Stowed Height	1.92 m (75.73 in)	2.01 m (79.49 in)
Elevated Drive Speed Trip Height	1.82 m (6 ft)	1.82 m (6 ft)
Drive Height (Maximum)	FULL	
Standard operating times		
Lift Time (No Load)	20 s	22 s
Lower Time (No Load)	38 s	35 s
Lift Time (Rated Load)	25 s	25 s
Lower Time (Rated Load)	28 s	26 s
Chassis		
Normal Drive Speed (Stowed)	3.38 km/h (2.1 mph)	
Elevated Drive Speed	0.64 km/h (0.4 mph)	
Gradeability (Ramp Angle)	25%	
Tires (Solid Rubber)	10 x 4	
Hydraulic oil		
Type	ATF Dexron III	
Tank capacity	4 L (1.05 gal)	
Sound pressure level at platform level		
Does not exceed:	70 db(A)	
Whole Body Vibration		
Whole body vibration on the platform does not exceed 0.5 m/sec^2.		

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* *Weight with standard 0.9 m extension platform. Refer to serial nameplate for specific applications.*

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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 ascend or descend grades greater than the maximum inclines listed in *Section 7.3*. 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 capacity label when the platform is elevated. Refer to *Section 7.4*.



DO NOT use the MEWP as a crane.



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



DO NOT climb on the scissor arm assembly.









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.



DO NOT elevate the platform when the MEWP is on a truck, forklift, or other device or vehicle.



DO NOT use the MEWP when the wheels or tires are damaged Make sure the wheel nuts are in place. Refer to *Section 4.2-4*.

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7.6 Floor loading pressure

Model		Weights				Pressures					
		MEWP weight		Max weight per wheel		LCP**		GBP**		OFL**	
		kg	lb	kg	lb	kPa	psi	kPa	psi	kPa	psi
SJ3213 micro	Min*	860	1897	216	475	700	101	NA	NA	6.7	0.98
	Max*	1087	2397	442	975	1047	152	710	103	8.5	1.23
SJ3219 micro	Min*	1212	2673	303	668	832	121	NA	NA	9.5	1.38
	Max*	1440	3173	530	1170	1207	175	807	117	11.3	1.63

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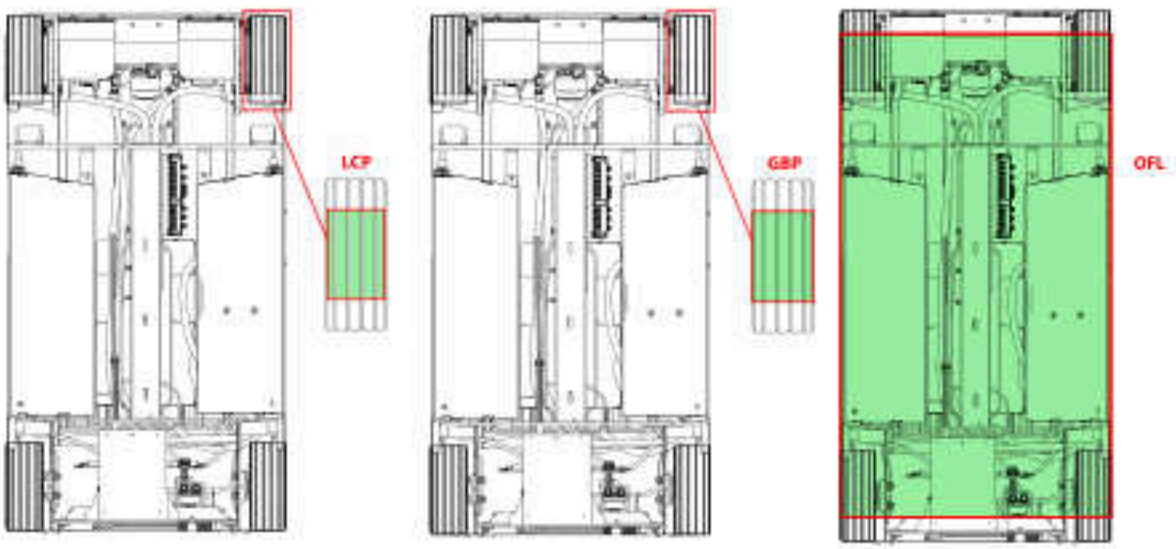
* **Min:** Minimum MEWP weight (Unloaded platform, no options/attachments)
Max: Maximum MEWP weight (Platform loaded to capacity with options/attachments)

Wheel 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.
GBP: Ground Bearing Pressue is a measure of how hard the MEWP presses on the area under the tire and assumes some compressibility of the surface to allow the load to be distributed across the 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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