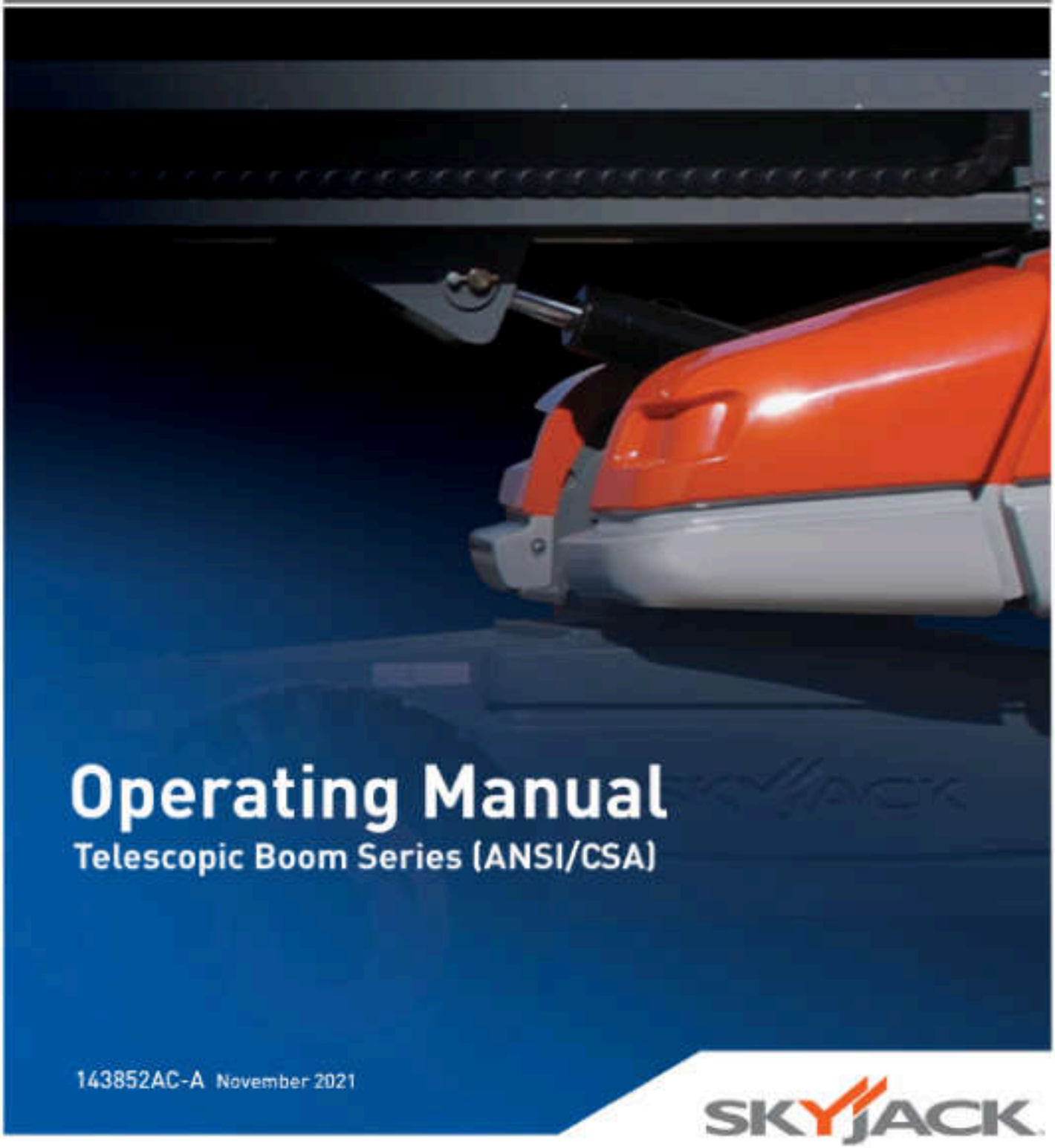
MODELS | SJ 40T SJ 45T SJ 61T SJ 66T



Operating Manual

Telescopic Boom Series (ANSI/CSA)

143852AC-A November 2021

SKYJACK

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2.5-10 Platform Control Console

This metal control console is mounted at front guardrail of the platform. It has the following controls:

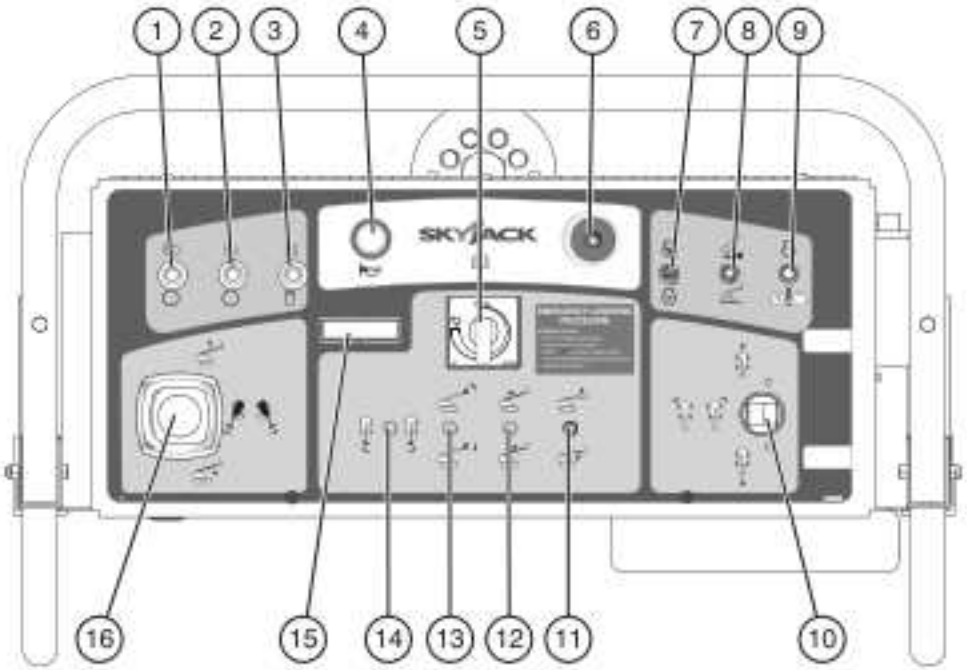


Figure 2-7. Platform Control Console

1. **Driving Light On/Off Switch (If Equipped)** - This switch turns the turret-mounted driving light "" on or "" off.

2. **Generator On/Off Switch (If Equipped)** - This switch turns the hydraulic generator "" on or "" off.

3. **Dual Fuel Switch (If Equipped)** - This switch selects between "" gasoline or "" liquid propane gas.

4. **Horn Pushbutton** - This "" pushbutton sounds an automotive-type horn.

5. **Function Speed Adjuster Dial** - This variable-speed adjuster "" controls speed of fly boom extension/retraction, jib raising/lowering and platform rotation movements. This is used with switches 11, 12 and 14.

6. **Emergency Stop Button** - This red "mushroom-head" "" pushbutton disconnects power to control circuit and shuts engine off.

7. **Engine Speed Switch** - This switch selects "" high or "" low engine speed.

8. **Torque Switch** - This switch selects "" low or "" high torque.

9. **Start/Emergency Power Switch** - This switch "" starts engine or enables "" emergency power unit.

10. **Drive/Steer Controller** - This one-hand lever controls driving "" forward or "" backward. The rocker switch controls steering "" left or "" right. Internal springs return it to neutral when stick is released.

11. **Jib Up/Down Switch (If Equipped)** - This switch controls "" up or "" down movement of jib.

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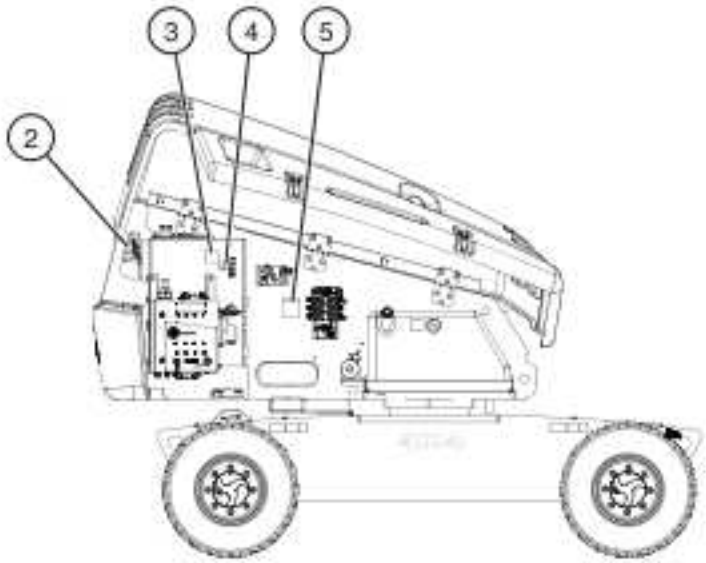
Table 2.2b Specifications and Features

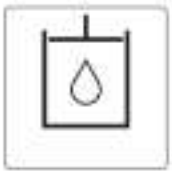
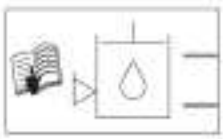
MODEL				SJ 40T	SJ 45T	SJ 61T	SJ 66T
Engine - Deutz	Engine Type			Deutz D2011L03i		Deutz D2011L04i	
	RPM Settings			1600 Low / 2100 / 2675 High		1600 Low / 2100 / 2675 High	
	Gross Intermittent HP			36 kW / 48 Hp		48 kW / 65 Hp	
	Horsepower @ 2600 rpm (intermittent)			34 kW / 45 Hp		48 kW / 65 Hp	
	Fuel Type			Diesel			
	Fuel Tank Capacity			45 gal (170.3 L)			
	Standard Oil Factory Fill	Ambient Temperature Limits	0°F to 115°F (-18°C to +45°C)	SAE 15W-40 API CF/CG/CH-4			
	Cold Lube Oil Option		-20°F to 90°F (-29°C to +32°C)	SAE 5W-30 API CF/CG/CH-4			
	Arctic Lube Oil Option		-40°F to 115°F (-40°C to +45°C)	SAE 0W-40 API CF/CG/CH-4			
	Apporved Alternates			See Engine Manual			
	Lube Oil Sump Capacity			1.45 gal (5.5 L)		2.64 gal (10.0 L)	
Engine - GM	Engine Type			3.0L GM Dual Fuel			
	RPM Settings			900 Low / 1600 / 2675 High			
	Gross Intermittent HP			46 kW / 62 Hp			
	Horsepower @ 2600 rpm (intermittent)			45 kW / 60 Hp			
	Fuel Type - Dual			Gasoline/Propane			
	Fuel Tank Capacity			45 gal (170.3 L)			
	Standard Oil Factory Fill	Ambient Temperature Limits	-40°F to 115°F (-40°C to +45°C)	SAE 5W-30 API SL			
	Apporved Alternates			See Engine Manual			
	Lube Oil Capacity			1.19 gal (4.5 L)			
	Standard Coolant	Ambient Temperature Limits	-20°F to 115°F (-29°C to +45°C)	GM 50/50 Extended Life Coolant			
	Arctic Coolant Option		-40°F to 115°F (-40°C to +45°C)	GM 60/40 Extended Life Coolant			
	Coolant Capacity			3.0 gal (11.4 L)			
Hydraulic Oil	Hyd Cooler Option	Ambient Temperature Limits	100°F to 115°F (+38°C to +45°C)	Oil cooler option recommended			
	Standard Factory Fill		-15°F to 100°F (-26°C to +38°C)	Shell Tellus T46			
	Arctic Oil Option		-40°F to 100°F (-40°C to +38°C)	Esso/Mobil UNIVIS HVI 26 Petro-Canada HYDREX EXTREME			
	Apporved Alternates		-15°F to 100°F (-26°C to +38°C)	Mobilfluid 424, Esso UNIVIS N46, Chevron Rycon MV			
			-40°F to 80°F (-40°C to +27°C)	Mobil DTE 13M, Esso UNIVIS N22 Petro-Canada HYDREX MV Arctic 15			
	Hydraulic Tank Capacity			59 gal (223.3 L)			

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Control Compartment (Continued)



No.	Label Pictorial	Description
2		**Grease Points Maintenance** Refer to service and maintenance manual "" for lubricating aerial platform.
3		**Hydraulic Oil** Replace hydraulic fluid with Shell Tellus T46 or approved alternate (see Table 2.2b). (Note: Cold weather starting temperatures can be improved with Skyjack options. Please consult your nearest Skyjack service center.)
4		**Hydraulic Oil Level** Indicates minimum/maximum oil level.
5		**Towing and Winching Procedure** Instructions for winching and towing

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Safety Precautions (Continued)

Know and understand the safety precautions before going on to next section.

- **DO NOT** operate an aerial platform that has ladders, scaffolding or other devices mounted on it to increase its size or work height.



- **DO NOT** exert side forces on the aerial platform while elevated.



- **DO NOT** use the aerial platform as a crane. It is prohibited.



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



- **BE AWARE** of overhead obstructions or other possible hazards around the aerial platform when driving or lifting.



- **BE AWARE** of crushing hazards. Keep all body parts inside platform guardrail.



- **BE AWARE** of blind spots when operating the aerial platform.



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 the boom to push, pull other objects or to lift the chassis.





- **DO NOT** raise the aerial platform while it is on a truck, forklift or other device or vehicle.



- **STUNT** driving and horseplay are prohibited.
- **ENSURE ALL** tires are in good condition and lug nuts are properly tightened.
- **DO NOT** alter or disable limit switches or other safety devices.
- **DO NOT** use the aerial platform without guardrails, locking pins and the entry gate in place.
- **DO NOT** exceed the rated capacity of the aerial platform. Do make sure the load is evenly distributed on the platform.

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Table 2.1 Standard and Optional Features

MODEL	SJ 40T	SJ 45T	SJ 61T	SJ 66T
STANDARD EQUIPMENT				
Platform controls	✓	✓	✓	✓
Base controls	✓	✓	✓	✓
Four-wheel drive	✓	✓	✓	✓
Oscillating axle (steer)	✓	✓	✓	✓
Side entry spring hinged gate	✓	✓	✓	✓
Variable speed drive and function controls	✓	✓	✓	✓
Continuous drive and steer directional sensing	✓	✓	✓	✓
12 Volt DC emergency power	✓	✓	✓	✓
Engine anti-restart protection	✓	✓	✓	✓
Glow plug heaters (diesel only)	✓	✓	✓	✓
Spring-applied hydraulically released parking brake	✓	✓	✓	✓
110V outlet on platform with GFI (ANSI/CSA)	✓	✓	✓	✓
Wiring for AC outlet (AS)	✓	✓	✓	✓
Diesel engine	✓	✓	✓	✓
Operator horn	✓	✓	✓	✓
All function motion alarm	✓	✓	✓	✓
Manual brake release	✓	✓	✓	✓
Air-filled tires	✓	✓	✓	✓
5-foot jib	Not Applicable	✓	Not Applicable	✓
OPTIONAL EQUIPMENT				
GM 3.0L dual fuel engine (gas/propane)	✓	✓	✓	✓
Two-wheel drive	✓	✓	✓	✓
Welder package with 12kW hydraulic generator	✓	✓	✓	✓
3500W hydraulic generator	✓	✓	✓	✓
Cold weather start kit (diesel or dual fuel)	✓	✓	✓	✓
Flashing amber light	✓	✓	✓	✓
Platform work light	✓	✓	✓	✓
Base driving light	✓	✓	Not Available	Not Available
Glazier package	✓	✓	✓	✓
Air line or hydraulic line to platform	✓	✓	✓	✓
72 x 36 inch platform	✓	✓	✓	✓
Extra propane tank	✓	✓	✓	✓
Tire sealant	✓	✓	✓	✓
Oil cooler (included with generators)	✓	✓	✓	✓
Foam filled tires	✓	✓	✓	✓
High flotation tires	✓	✓	✓	✓
Diesel scrubber (Level 1)	✓	✓	✓	✓
Diesel scrubber (Level 2)	Not Available	Not Available	✓	✓

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