

OPERATING MANUAL (ANSI/CSA)

TELEHANDLERS

MODELS ZB2044

216203ADA August 2023

SKYJACK

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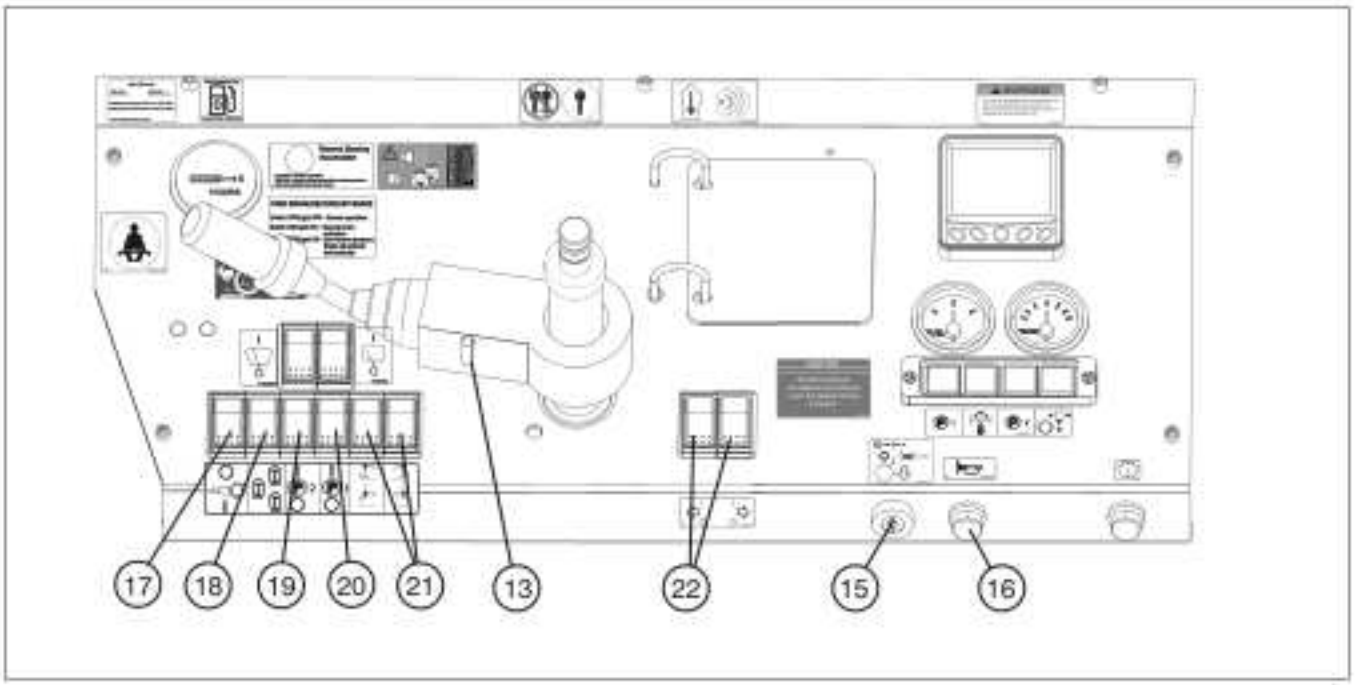
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15. **Ignition Switch** - This is a three-position, anti-restart switch.

When in "○" off position, it turns the engine off and key can be removed. When in "|" on position, it provides power to ignition and auxiliary circuits. When in "|| |" start position, it starts the engine; when released, key returns to "|" on position.

16. **Horn Button** - This button sounds an automotive-type horn.

17. **Transmission Disconnect Override** - This is a two-position rocker switch used for ramping operations only.

Select rocker switch to forward "" position for normal operation. While in this position, the transmission will return to neutral automatically upon application of the brake.

Select rocker switch to backward "" position when operating on a slope. While in this position, the transmission will remain in gear.

18. **Steer Mode Switch** - This switch has three positions to allow selection of round steer, front steer and crab steer. Refer to Section 2.10-4 for steering procedure.

19. **Parking Brake Switch** - This switch controls the application and release of parking brake.

20. **Secondary Park Brake Switch (If Equipped)** - This switch controls the application and release of secondary park brake.

21. **Left and Right Outrigger Switches (If Equipped)** - These momentary switches control extension and retraction of left and right outriggers.

Select switches to forward "" position to extend outriggers.

Select switches to backward "" position to retract outriggers.

22. **Left and Right Turn Signals (If Equipped)** - These rocker switches control left and right turn signals located on both the front and rear of the telehandler.

NOTE

Turn on both signals switches to use as emergency flashers.

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2.12-1 Examples on Reading the Capacity Chart

The Operator must verify that the capacity chart corresponds with both telehandler and attachment model number.

The following scenarios show various conditions the operator may encounter.

	Load Weight	Reach	Height	Boom Angle	Boom Extension	Capacity	OK to Lift
1	8,250 lb (3,742 kg)	16 ft (4.8 m)	33 ft (10 m)	46°	G	8,500 lb (3,860 kg)	YES
2	9,000 lb (4,082 kg)	18 ft (5.5 m)	22 ft (6.7 m)	34°	F	8,500 lb (3,860 kg)	NO
3	6,500 lb (2,948 kg)	14 ft (4.3 m)	2 ft (0.6 m)	-2°	D	10,000 lb (4,540 kg)	YES
4	13,750 lb (6,236 kg)	6 ft (1.8 m)	37 ft (11.2 m)	65°	F	12,000 lb (5,440 kg)	NO
5	7,925 lb (3,594 kg)	16 ft (4.8 m)	12 ft (3.6 m)	18°	D	8,500 lb (3,860 kg)	YES
6	14,450 lb (6,554 kg)	7 ft (2.1 m)	4 ft (1.2 m)	0°	B	15,000 (6,800 kg)	YES

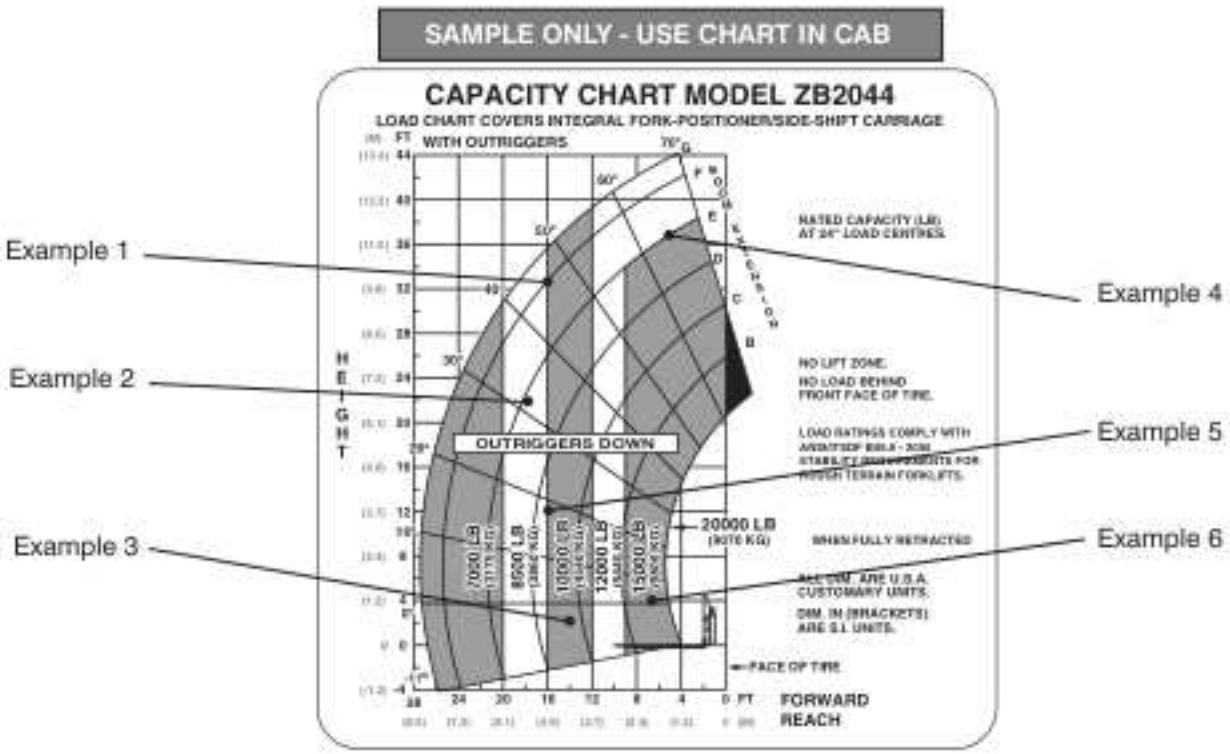


Figure 2-18 Capacity Chart Examples

NOTE

This is a sample capacity chart only! DO NOT use this capacity chart. Use chart inside cab.

NOTE

If the intersection occurs on a bold line separating the capacity regions, the smaller of the two capacity values must be used.

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General Maintenance

Before attempting any repair work, turn ignition switch to off position. Preventive maintenance is the easiest and least expensive type of maintenance.

Table 2.5 Maintenance and Inspection Schedule

Frequency	Daily	Weekly	Quarterly or 250 hours	Annually or 1000 hours
Visual and Daily Maintenance Inspections				
Labels	A		C*†	
Electrical	A			
Mirrors	A			
Hydraulic	A			
Cylinders	A			
Frame	A			
Wheel/Tire Assembly	A			
Air-filled Tires	A			
Foam-filled Tires	A			
Drive Axles	A			
Steer Cylinder	A			
Battery	A			
Engine Intake Air Filter	A			
Engine Coolant	A			
Fuel Tank				
Fuel Leaks				
D.E.F. Tank				
Hydraulic Oil Tank				
Hydraulic Oil				
Engine Compartment				
Engine Oil Level on dipstick	A			
Engine Coolant	A			
Belts	A			
Hydraulic Pump	A			
Fuel/Water Separator	A			
Transmission				
Oil level on dipstick	A			
Boom				
Boom Angle Switches	A			
Slide Pads	A			
Chain	A			
Boom Angle Indicator	A			
Lifting Attachment	A			
Grease Fittings				
Operator's Cab				
ROPS/FOPS	A			
Seat	A			
Pedals	A			
Manual	A			
Operator's Cab Controls	A			

Frequency	Daily	Weekly	Quarterly or 250 hours	Annually or 1000 hours
Function Tests				
Operator's Cab Controls			C*†	
Test Starter Operation	A			
Test Horn	A			
Test Lights (If Equipped)	A			
Test Boom and Attachment Functic	A			
Test Frame Leveling and Level Ind	A			
Test Frame Leveling and Boom Int	A			
Test Accelerator Pedal	A			
Test Reverse Alarm, Driving & Service Barke	A			
Test Steering	A			
Test Positive Shut-off Valve	A			
Test Parking Brake	A			
Test Outriggers (If Equipped)	A			

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A - Perform Visual and Daily Maintenance Inspections & Functions Test. Refer to Section 2.8 and Section 2.9 of this manual.

B - Perform Visual and Weekly Maintenance Inspections & Functions Test. Refer to Section 2.8 and Section 2.9 of this manual.

C - Perform Scheduled Maintenance Inspection. Refer to Service & Maintenance manual.

***** - Maintenance must be performed only by trained and competent personnel who are familiar with mechanical procedures.

† - Refer to Skyjack's website @ www.skyjack.com for latest service bulletins prior to performing quarterly or yearly inspection.

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Safety Precautions (Continued)

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

- **DRIVE UPHILL LOADED.** When holding a load, driving uphill decreases potential for load to slip out.



- **ALWAYS LEVEL FRAME** before elevating the boom



- **WHEN TRANSPORTING LOADS** fully retract the boom, keep the load low to the ground and forks tilted back slightly. This is the most stable position possible for the vehicle.



- **KEEP** forks close to the ground when in motion to increase telehandler stability and decrease potential for injury to others. When fully stopped, lower forks completely to the ground.



- **TILT** forks backwards slightly when traveling to decrease potential of load slipping off.



- **SECURE** loose loads with chains or straps to decrease potential of spills or injury to others.



- **TETHER LOADS** that may swing, keeping them close to the ground. Provide ample clearance for personnel to guide the load safely.



- **SLINGING LOADS** is acceptable only when the load is appropriately attached to a jib boom or the throat of a tilted fork, and the precautions outlined in Section 2.14-5 are followed.



- **BE AWARE** of the telehandler's travel envelope, especially when turning. Keep sufficient clearance at all times between the telehandler and any obstacles or people.



- **KEEP OTHERS AWAY** at all times during operation.



- **CHECK** lights (if equipped) for proper function before operating.



- **ENSURE ALL** tires are in good condition and lug nuts are properly tightened.



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2.15-9 Coil Boom

Coil boom is used to handle steel coil. This attachment is similar to carpet poles but has a larger diameter and a shorter boom.

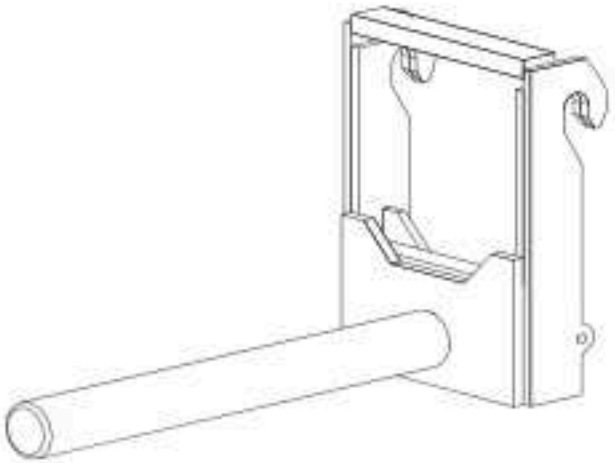


Figure 2-31 Coil Boom Attachment

Installation Procedure:

1. Remove fork attachment or other attachment from boom and install coil boom attachment (refer to Section 2.13).

Operation:

1. Approach load with boom positioned to the middle of coil material to be lifted.
2. Insert boom and lift load, then tilt carriage backward so that load will not fall causing possible injury.
3. Raise boom to appropriate height and transport load with caution to placement site.
4. Lower and retract boom to place load carefully.

2.15-10 Third-Party Attachments & Platforms for Elevating Personnel

Skyjack's Zoom Boom Rough Terrain Forklifts (RTFL), are designed to lift and/or handle industrial products by means of various attachments. Skyjack does not certify the design of third-party attachments. Skyjack does not assume any responsibility or liability for damages resulting from the use of third-party attachments on any of its Zoom Boom RTFL's.

2.15-10-1 It is permissible to install and utilize third-party attachments, provided they do not elevate personnel and the following conditions are met:

⚠ WARNING

The combined mass of the attachment and load shall not exceed that of the RTFL load chart for the applicable load center. The rated capacity of the attachment shall not be exceeded.

IMPORTANT

In addition to the RTFL operating instructions, all instructions provided by the manufacturer of the attachment must be followed and any additional requirements of local authorities should also be followed.

Attachments shall be designed and constructed according to CSA B335 and ANSI/ITSDF B56.6, including markings identifying the combined RTFL and attachment weight, and the RTFL capacity with the attachment at maximum elevation and load laterally centered.

The attachment must be securely attached to the RTFL, per the attachment manufacturer's instructions.

Prior to using the attachment on each shift, the RTFL operator must visually examine the attachment for structural integrity and perform the daily inspection and function tests on the RTFL. Any equipment defects must be repaired before the attachment or RTFL can be used.

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