

OPERATING MANUAL (ANSI)

TELEHANDLERS

MODELS ZB2044

207429ACA May 2017

SKYJACK

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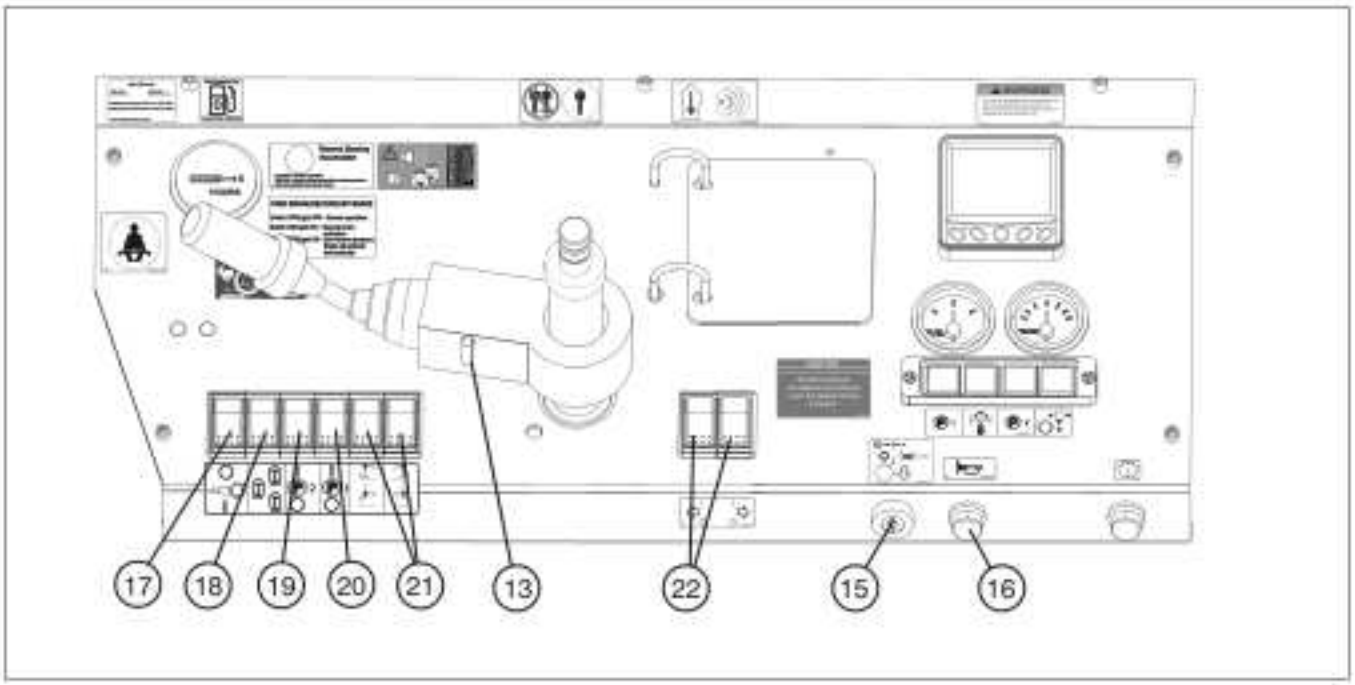
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15. **Ignition Switch** - This is a three-position, anti-restart switch.

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

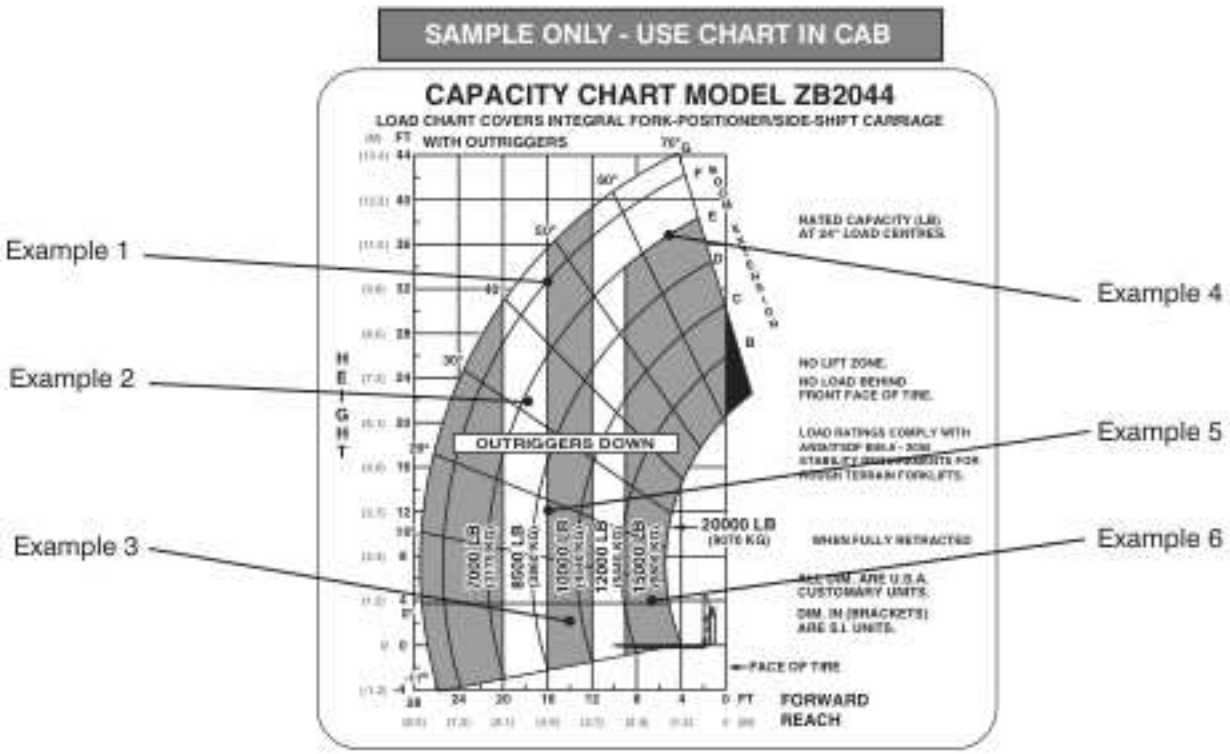


Figure 2-18 Capacity Chart Examples

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 Functio	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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2.15-10-2 It is permissible to install and utilize a third-party platform for elevating personnel ("man-basket"), provided the following conditions are met:

WARNING

As per ANSI/ITSDF B56.6 and CSA B335, the RTFL must not be used to lift personnel unless there is no other practical option.

The minimum requirements for the design, construction and use of the man-basket attachment shall be as specified in ANSI/ITSDF B56.6 and CSA B335. Any additional requirements of local authorities must also be followed.

The combined mass of the platform, load, and personnel shall not exceed one-third of the capacity at 24" from the base of the RTFL forks.

The man-basket must have reflective material or an equivalent paint or material on the exterior front and sides so that it can be seen and readily identified as a man-basket when in use.

All instructions provided by the manufacturer of the man-basket must be followed.

The man-basket must be securely attached to the RTFL forks.

The RTFL must not travel when personnel are in the man-basket. Travel controls on the RTFL must be restricted when the man-basket is in use. Prior to using the man-basket, the RTFL operator must engage the parking brake and place the RTFL transmission in neutral.
No mobile equipment is permitted to operate in the immediate area when the RTFL and man-basket is operating.

Once the man-basket is positioned at the desired height, the operator must shut the engine off to prevent inadvertent movement. An operator must be in the RTFL cab if personnel are in the man-basket.

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

Radio or hand communication signals must be established between the RTFL operator and personnel in the man-basket. Signals must be clearly understood by all personnel performing the work. All workers must receive training and understand the signals. All radio communication must be heard above the noise of the surrounding environment and understood by the personnel in the man-basket. If used, radio equipment must be permissible or intrinsically safe for use in the area where the work is being performed.

All occupants must wear approved personnel fall protection equipment and must attach the lanyard to the anchor provided in the platform at all times.

Do not enter or exit the platform unless the machine is in the stowed position and the platform is at ground level.

Do not sit, stand or climb on the platform guardrails. Maintain a firm footing on the platform floor at all times.

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