

OPERATING MANUAL (ANSI)

TELEHANDLERS

MODELS SJ1044 TH/THS SJ1056 TH/THS

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SKYJACK

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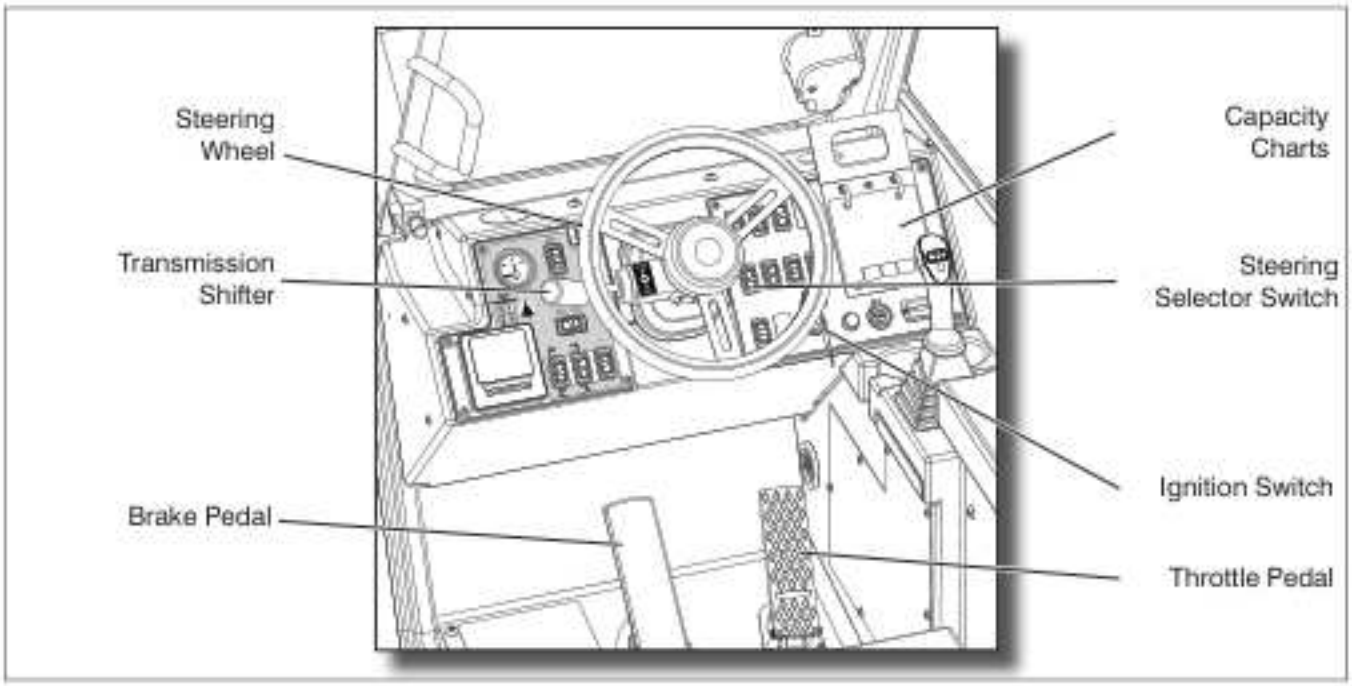
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- **Test Accelerator Pedal**

1. Ensure parking brake is engaged and transmission is in neutral.
2. Press accelerator pedal slowly.
   Result: The engine RPM should increase.
3. Release the accelerator pedal.
   Result: The engine RPM should decrease.

- **Test Reverse Alarm, Driving & Service Brake**

1. Ensure park brake is engaged and transmission is in neutral.
2. Depress service brake pedal and ensure path of intended motion is clear.
3. Release parking brake.
   Result: Parking brake indicator light should turn off.
4. Move transmission lever to "REV" reverse position and release the service brake pedal slowly.
   Result: Telehandler should move backward and back-up alarm should sound.
5. Depress service brake pedal slowly.
   Result: Telehandler should stop.
6. Move transmission shifter to FWD 1st gear and slowly release service brake pedal.
   Result: Telehandler should slowly move forward.
7. Depress service brake pedal slowly.
   Result: Telehandler should stop.
8. Return transmission lever to neutral position and engage parking brake.

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2.13-1 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	Forward Reach	Lift Height	Boom Angle	Boom Extension	Capacity	OK to Lift
1	2500 lbs (1 134 kg)	21 ft (6.4 m)	32 ft (9.7 m)	43°	G	3000 lbs (1 361 kg)	YES
2	2000 lbs (907 kg)	28 ft (8.5 m)	24 ft (7.3 m)	28°	H	1500 lbs (680 kg)	NO
3	600 lbs (272 kg)	35 ft (10.7 m)	8 ft (2.4 m)	7°	I	400 lbs (181 kg)	NO
4	3500 lbs (1 588 kg)	8 ft (2.4 m)	52 ft (15.8 m)	69°	I	4000 lbs (1 814 kg)	YES
5	6500 lbs (2 948 kg)	18 ft (5.5 m)	24 ft (7.3 m)	36°	E	400 lbs (181 kg)	NO
6	9700 lbs (4 400 kg)	7 ft (2.1 m)	16 ft (4.9 m)	39°	A	1000 lbs (454 kg)	YES

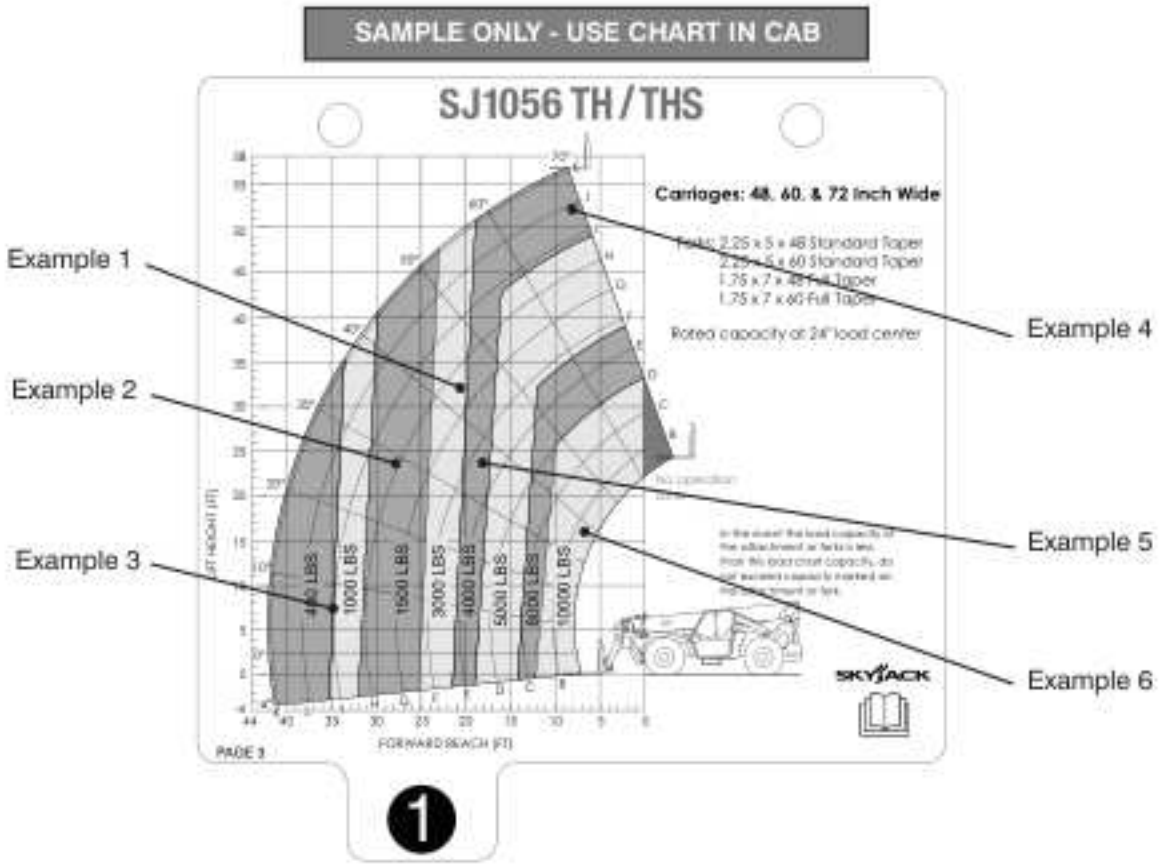


Fig 2-26 Capacity Chart Examples

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 Functions	A			
Test Attachment Functions	A			
Test Frame Leveling and Level Indicator	A			
Test Frame Leveling and Boom Interlock	A			
Test Accelerator Pedal	A			
Test Reverse Alarm, Driving & Service Brake	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.



- **LEVEL FRAME ON SLOPES** 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 backward 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 the lifting hook, a jib boom or the heel of a tilted fork, and the precautions outlined in Section 2.13 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 AWARE** at all times during operation.



- **CHECK** lights for proper function before operating.



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



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2.15-7 Third-Party Attachments & Platforms for Elevating Personnel

Skyjack's Variable Reach 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, including platforms for elevating personnel. Skyjack does not assume any responsibility or liability for damages resulting from the use of third-party attachments on any of its TH RTFL's.

2.15-7-1 It is permissible to install and utilize third-party attachments (for platforms for elevating personnel, see Section 2.14-6-2), provided 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.

2.15-7-2 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.

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