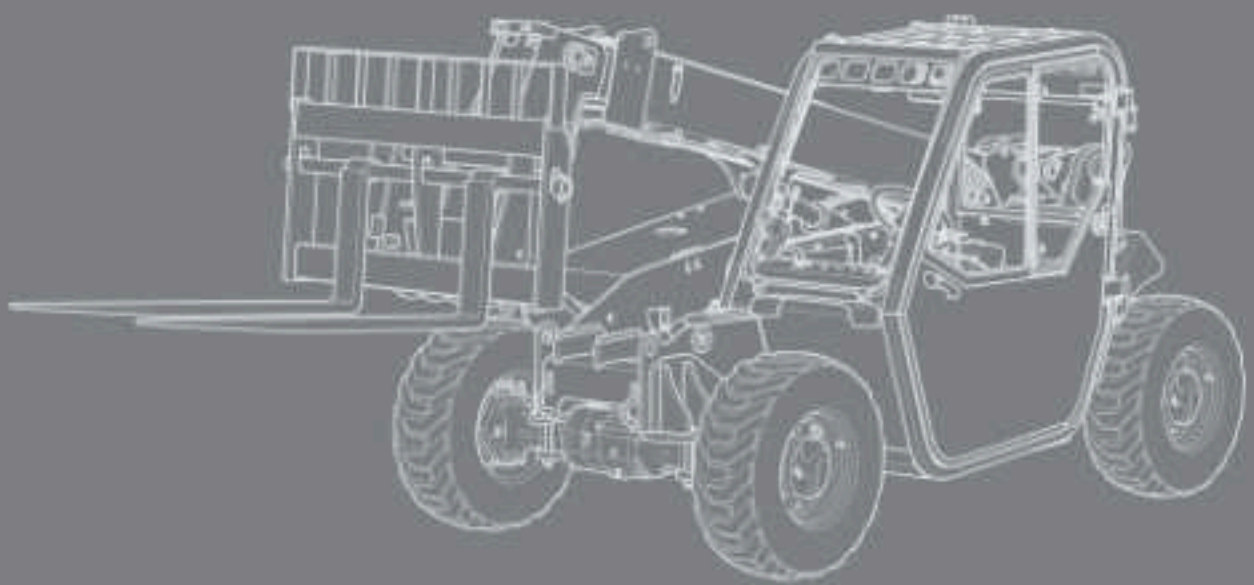
SKYJACK

# OPERATING MANUAL

## SJ519 TH

TELEHANDLER



**216939AHA**
May 2026
ANSI/CSA

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# 1.6 Operator's Responsibility for Maintenance

**⚠ WARNING**

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

**Death or serious injury could result from the use of a telehandler that is not properly maintained or kept in good working condition.**

The operator must be sure that the telehandler has been properly maintained and inspected before using it.

The operator must perform all the daily inspections and function tests found on the Operator's Checklist (see *Section 4.4*), even if the operator is not directly responsible for the maintenance of this telehandler.

## 1.6-1 Maintenance and Inspection Schedule

Refer to Service manual for quarterly (or 250 hours) and annual inspection details.

The actual operating environment of the telehandler may affect the maintenance schedule.

**⚠ WARNING**

**Use original or manufacturer-approved parts and components for the telehandler.**

**NOTE**

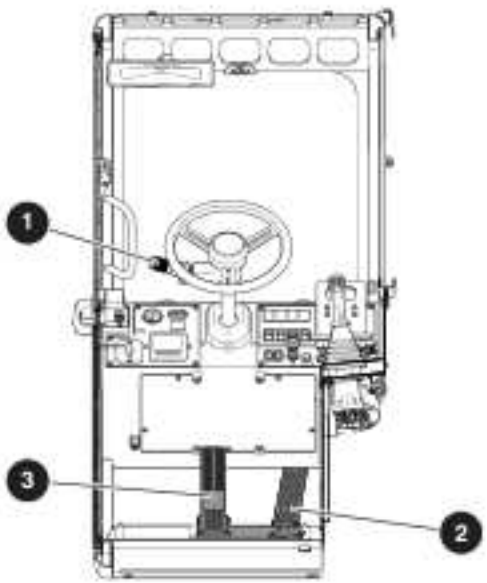
*Refer to Skyjack's website www.skyjack.com for the latest service bulletins prior to performing frequent/ periodic or annual inspections.*

## 1.6-2 Owner's Inspections

It is the responsibility of the owner and/or operator to arrange daily, quarterly (or 250 hours) and annual inspections of the telehandler. Refer to the Service manual for recommended maintenance and inspection areas and intervals.



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### 4.3-6 Test Accelerator Pedal

1. Ensure parking brake is engaged and **direction control lever** ❶ is in neutral.
2. Press **accelerator pedal** ❷ slowly.
   - **Result:** The engine RPM should increase.
3. Release the accelerator pedal.
   - **Result:** The engine RPM should decrease.

### 4.3-7 Test Reverse Alarm, Driving & Service Brake

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



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# 5.11 Use of the Capacity Charts

Capacity charts are located in the operator's cab, and used to determine the maximum load capacity of the telehandler when using different attachment combinations.

Each attachment has its own capacity chart.

To properly use a particular capacity chart, the operator must first determine the following:

1. Ensure the capacity chart is for the specific telehandler model and attachment.
2. Determine the weight of the load to be lifted.
3. Ensure that the load center for the load is at or within the load center specified for the attachment.
4. Determine the height where the load is to be picked or placed.
5. Determine the reach where the load is to be picked or placed.

**NOTE**

*The user shall consider that changes in load dimension may affect rough terrain forklift truck capacity.*

## 5.11-1 Maximum Load Capacity

The maximum load capacity is determined by finding the intersection of the values for height and reach on the capacity chart. The weight of the load to be lifted must be equal to or less than the determined maximum load capacity.

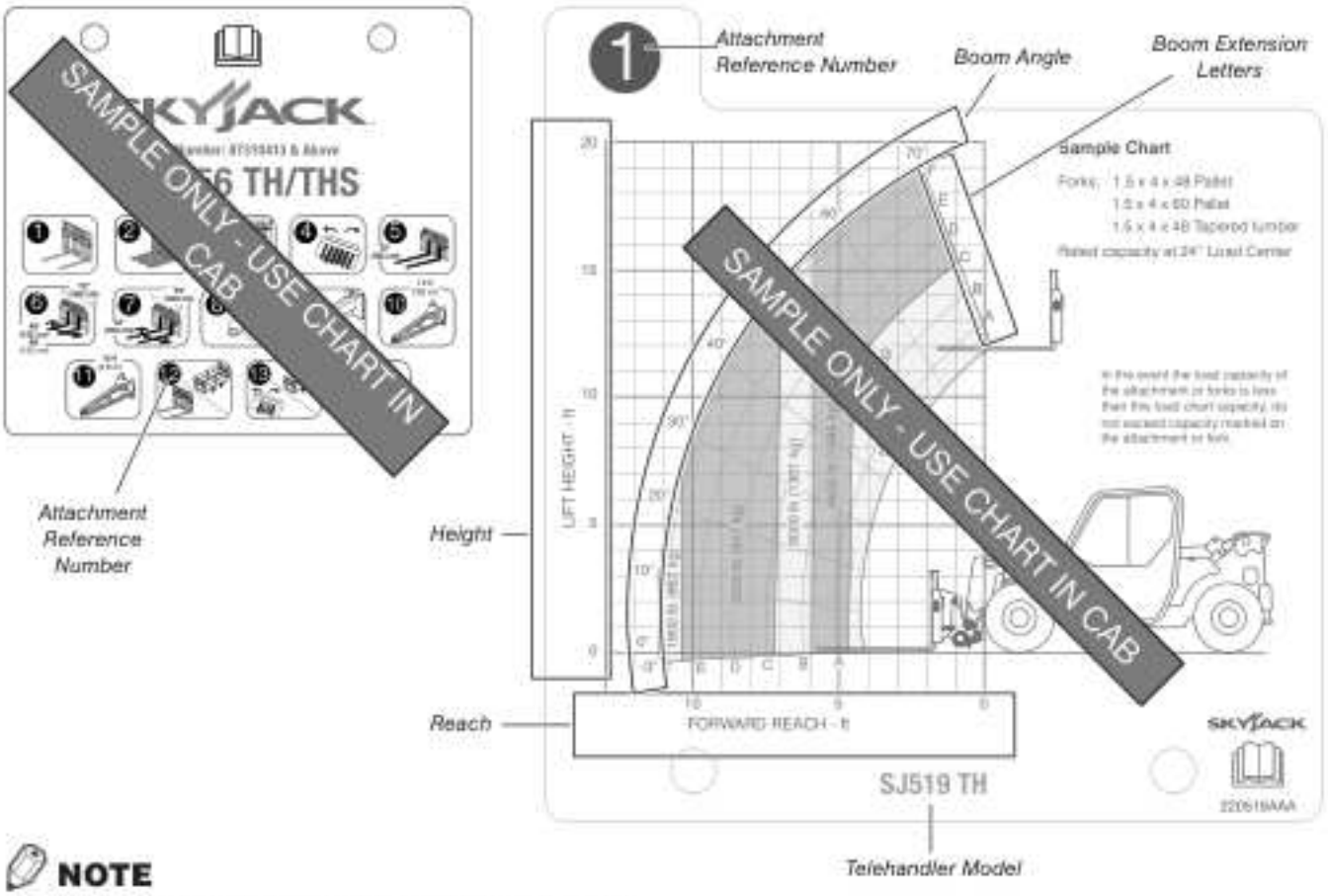
**NOTE**

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

**WARNING**

**When handling loads, ensure that boom extension indicator and boom angle indicator remain within previously determined/calculated capacity zone.**

Some examples of how to determine the maximum load capacity and safe lifting weights are given in *Section 5.11-2*.




**NOTE**

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



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**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.



**WALK AROUND** the telehandler before operation and check for any visible signs of damage or malfunction.



**ALWAYS** maintain three points of contact when entering vehicle. Use provided hand-holds and steps only.



**CHECK** for clearance before traveling between obstacles.



**ALWAYS** wear your seat belt when operating this vehicle.



**DRIVE DOWNHILL UNLOADED**. Without a load, the back end is the heaviest part of the telehandler. Driving downhill decreases potential for tip-over.



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



**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.



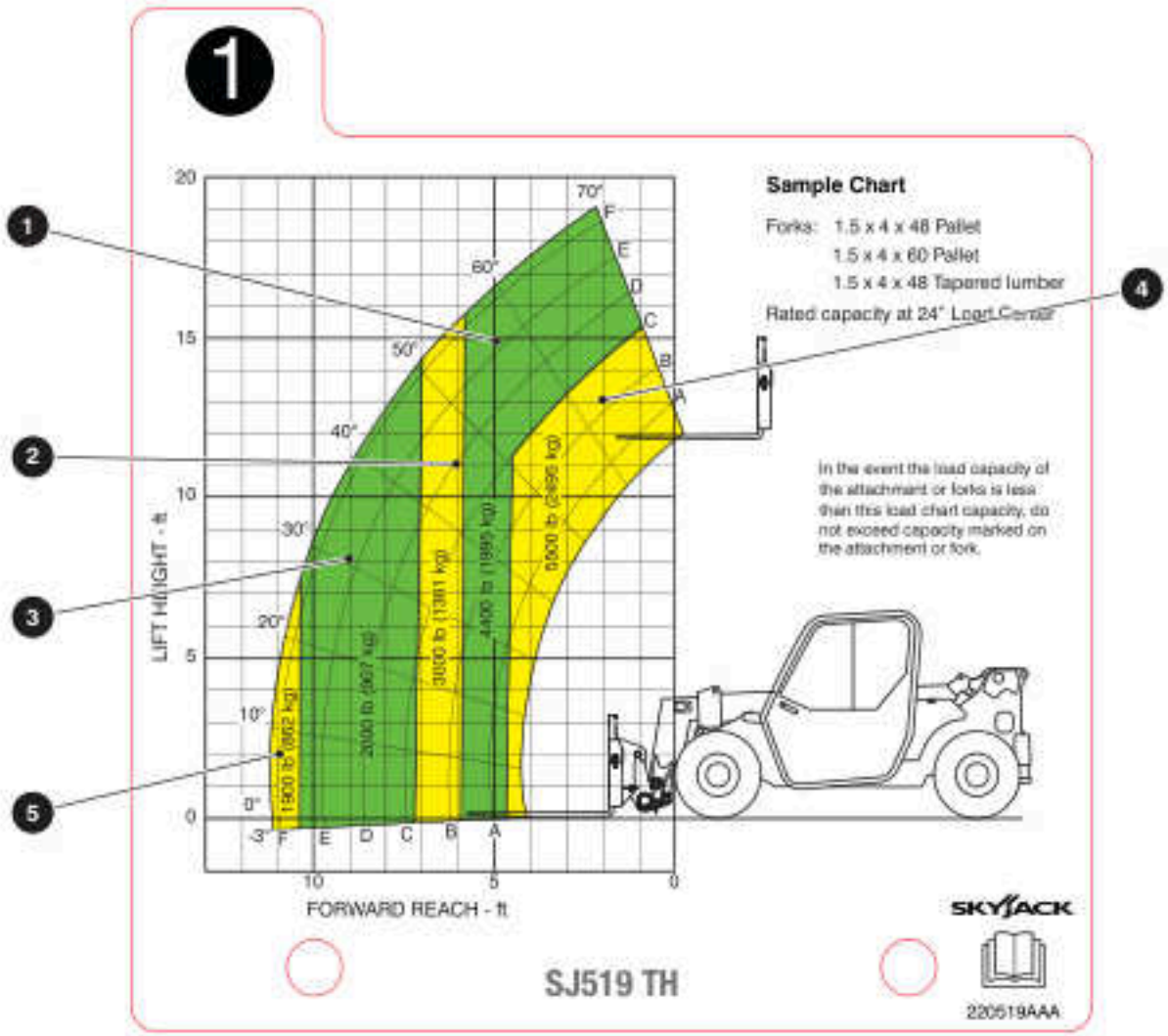
**SLINGING LOADS** is acceptable only when the load is appropriately attached to the lifting hook, a jib boom or the heel of a tilted fork, and the precautions outlined in *Section 5.13* are followed.



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## 5.11-2 Examples on Reading the Capacity Chart

The following scenarios show various conditions the operator may encounter:




SAMPLE ONLY - USE CHART IN CAB

| Examples | Load Weight | Forward Reach | Lift Height | Boom Angle | Boom | Capacity | OK to Lift |
|---|---|---|---|---|---|---|---|
| 1 | 1,134 kg (2,500 lb) | 1.52 m (5 ft) | 4.57 m (15 ft) | 56° | E | 1,980.8 kg (4,400 lb) | YES |
| 2 | 1,225 kg (2,700 lb) | 1.83 m (6 ft) | 3.35 m (11 ft) | 45° | D | 1,360.8 kg (3,000 lb) | YES |
| 3 | 997.9 kg (2,200 lb) | 2.74 m (9 ft) | 2.43 m (8 ft) | 31° | D | 907.2 kg (2,000 lb) | NO |
| 4 | 2,267.96 kg (5,000 lb) | 0.6 m (2 ft) | 3.96 m (13 ft) | 63° | B | 2,494.75kg (5,500 lb) | YES |
| 5 | 2,041.61 kg (4,500 lb) | 3.35 m (11 ft) | 0.6 m (2 ft) | 5° | E | 861.82 kg (1,900 lb) | NO |



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