

# Function Tests



## Do Not Operate Unless:

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- ☒ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

**3 Always perform function tests prior to use.**

**Know and understand the function tests before going on to the next section.**

4 Inspect the workplace.

5 Only use the machine as it was intended.

## Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service. The operator must follow the step-by-step instructions to test all machine functions.

A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

## FUNCTION TESTS

## Function Tests

- 1 Select a test area that is firm, level and free of obstructions.

### Setup

#### Machines Without Stabilizers

- 1 Remove the leg retainer pin and lower the leg to the down position. Insert the pin through the leg and base.



#### Machines With Stabilizers

- 1 Push down to release the stabilizer lock plates and lower the stabilizers until the casters are in full contact with the ground. Be sure the stabilizers are locked in the down position.
- 2 Remove the leg retainer pin and lower the leg to the down position. Insert the pin through the leg and base.



### Load Handling Attachments

#### Standard Forks and Standard Fork Options

- 1 Place the forks inside the carriage.
- 2 Insert the retaining pin.



#### Load Platform with Standard Forks

- 1 Place the load platform securely on the standard forks.

#### Pipe Cradle

- 1 Attach the pipe cradles to the forks. Be sure the fasteners are tightened.

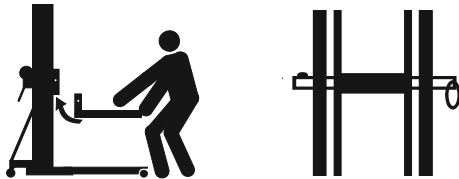
#### Fork Extension

- 1 Slide each extension tube onto the fork.
- 2 Adjust to the desired position and insert the retaining pins.

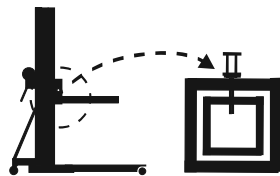
## FUNCTION TESTS

**Adjustable Fork and Adjustable Fork Options**

- 1 Place the forks inside the carriage.
- 2 Insert the retaining pin.



- 3 Adjust the forks to the desired width and be sure the snap pins are properly inserted.

**Load Platform with Adjustable Forks**

- 1 Adjust the forks to a width of 23 inches / 58.4 cm.
- 2 Place the load platform on the adjustable forks.

**Pipe Cradle**

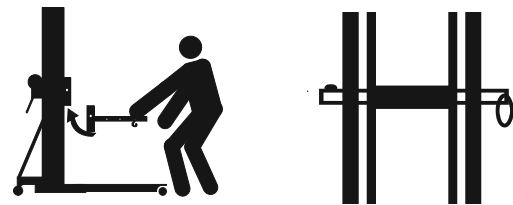
- 1 Attach the pipe cradles to the forks. Be sure the fasteners are tightened.

**Fork Extension**

- 1 Slide each extension tube onto the fork.
- 2 Adjust to the desired position and insert the retaining pins.

**Standard Boom**

- 1 Place the boom inside the carriage.



- 2 Insert the retaining pin.
- 3 Attach the lifting shackle at the desired hole on the boom.

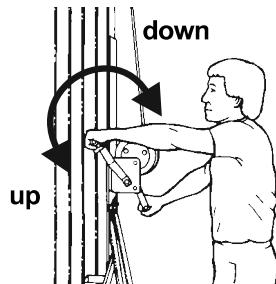
## FUNCTION TESTS

**Test One-Speed Winch Operation**

- 1 Install a load handling attachment.

- 2 Raise the carriage by firmly grasping the winch handles and rotating them towards the mast.

- ⊙ Result: The winch should operate smoothly, free of hesitation or binding.



- 3 Lower the carriage by firmly grasping the winch handles and rotating them away from the mast. After lowering to the desired position, turn the winch handles toward the mast (raise the load)  $\frac{1}{4}$  turn to set the brake.

- ⊙ Result: The winch should operate smoothly, free of hesitation or binding.

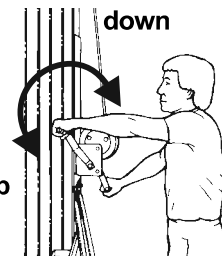
**Test Two-Speed Winch Operation**

- 1 Install a load handling attachment.

- 2 Shift the winch to the slow speed.

- 3 Raise the carriage by firmly grasping the winch handles and rotating them towards the mast.

- ⊙ Result: The winch should operate smoothly, free of hesitation or binding.



- 4 Lower the carriage by firmly grasping the winch handles and rotating them away from the mast. After lowering to the desired position, turn the winch handles toward the mast (raise the load)  $\frac{1}{4}$  turn to set the brake.

- ⊙ Result: The winch should operate smoothly, free of hesitation or binding.

- 5 Shift the winch to the fast speed and repeat steps 3 and 4.

**Test Mast Sequencing**

- 1 Install a load handling attachment.

- 2 Raise the carriage to full height by firmly grasping the winch handles and rotating them towards the mast.

- ⊙ Result: The carriage should raise to the top of the front mast section, followed in consecutive order by each mast section.

- 3 Fully lower the carriage. After lowering to the desired position, turn the winch handles toward the mast (raise the load)  $\frac{1}{4}$  turn to set the brake.