

8 TRANSPORTING AND LIFTING THE MACHINE



WARNING

TRANSPORT AND LIFTING HAZARD



- Use a forklift or crane with the proper lifting capacity to lift the machine. Use good judgment and planned movement to control the machine.
- The transport vehicle must be parked on level ground.
- The transport vehicle must be secured from rolling when loading the machine.
- Ensure that the vehicle capacity, loading surface, belts or ropes are sufficient to support the weight of the machine, refer to [1 Machine Specifications, page 1-1](#).
- Before driving the machine onto the transport vehicle, ensure that the slope is within the limit of the machine gradeability, refer to [1 Machine Specifications, page 1-1](#).
- Before transportation and lifting, check if the rigging anchor point and its attached structure are in good condition.
- Be sure the machine is on a level surface or secured before releasing the brake.
- Never transport people on the machine while the machine is being towed or while the machine is engaged in towing or lifting operations.
- The machine should be transported following the local laws and traffic rules.
- When using a forklift or crane to lift the machine, try to prevent the machine from colliding with nearby objects.
- Lock the wheels of the machine after it has been loaded to prevent the machine from rolling.

NOTICE

Do not tow/drag the machine unless an emergency, failure or loss of power occurs. Refer to [Emergency Towing/Dragging, page 7-5](#).

LIFTING THE MACHINE WITH A FORKLIFT

Follow these requirements when lifting the machine by forklift:

1. Make sure the extending platform, controller and chassis components are stable. Remove all loose parts from the machine.
2. Fully lower the platform. Keep the platform down during transportation.
3. Locate the forklift slots on the side of the chassis, and align the forklift fork with the forklift slots.

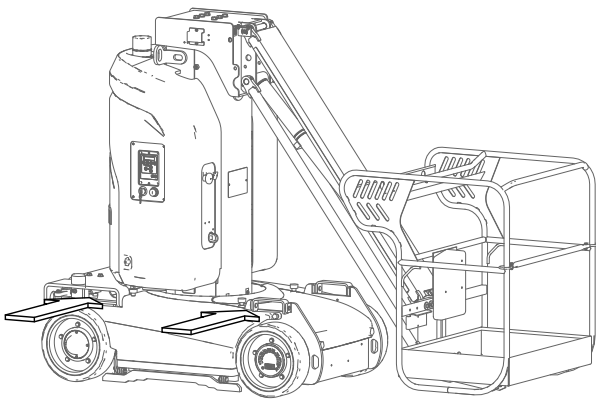


Figure 8-1

4. Drive forward to fully insert the fork frame.
5. Lift the machine by 16 in. (0.4 m) and then tilt the fork frame backward slightly to keep the machine stable.
6. Keep the machine horizontal when lowering the fork frame.

NOTICE

Failure to use the forklift slot while lifting machine may result in component damage.

LIFTING THE MACHINE WITH A CRANE

Follow these requirements when lifting the machine by crane:

1. The machine must be in stowed position while lifting the machine with a crane.
2. Ensure the boom is positioned in the same direction as the chassis travels.
3. Remove all loose parts of the machine.
4. Determine the center of gravity of the machine (X: 513mm/1ft 8.2in; Y: 510mm/1ft 8.1in).

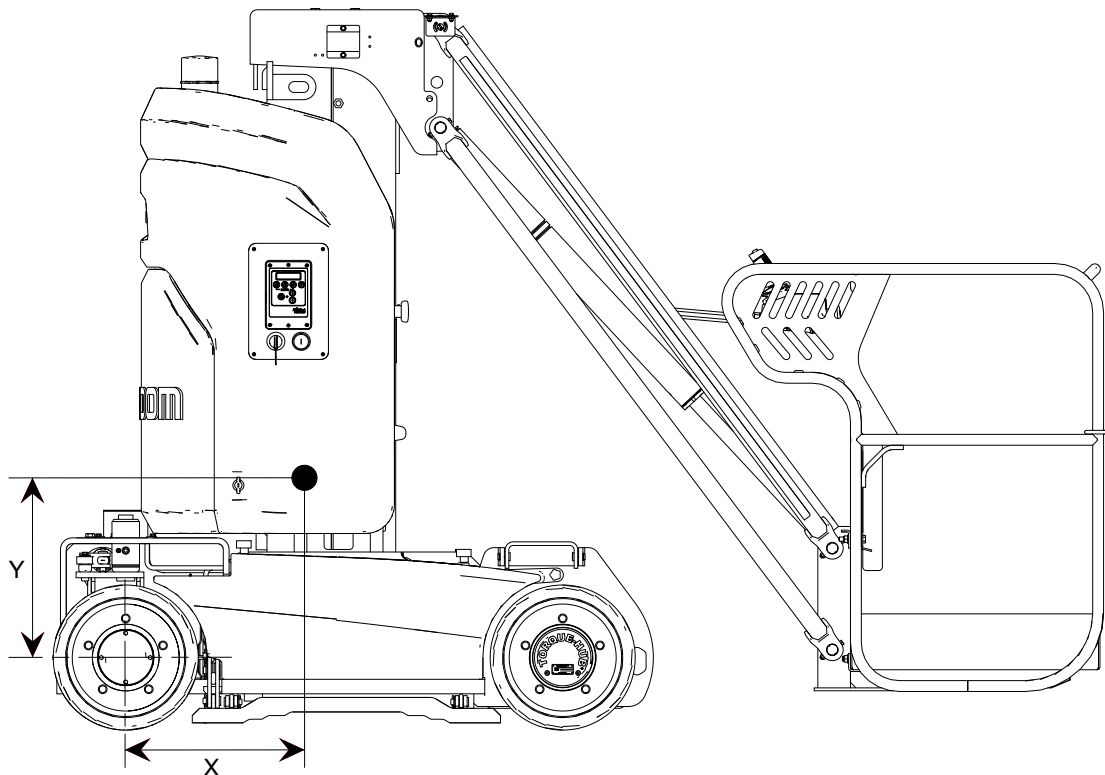


Figure 8-2

5. Attach the rigging to the both lifting eyes.

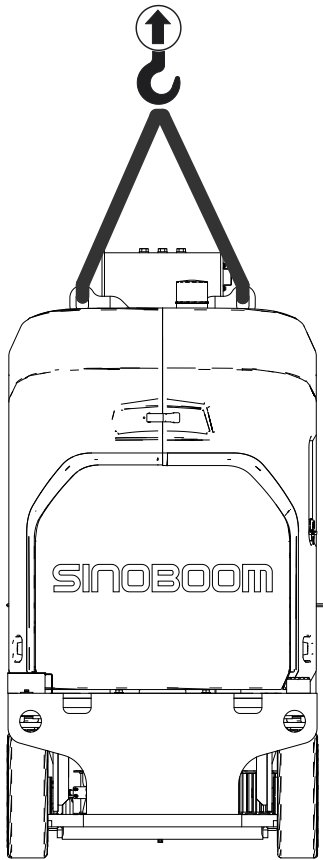


Figure 8-3

6. Only connect the rigging to the designated lifting points on the machine. Adjust the rigging to avoid

damaging the machine and to keep the machine horizontal.

NOTICE

To protect the machine, choose the appropriate length of rigging.

TRANSPORTING THE MACHINE

Follow these requirements when transporting the machine by truck or trailer:

1. Keep the machine in stowed position.
2. Turn the key switch at the ground controls to OFF position, and remove the key.
3. Remove all loose or insecure parts.
4. Ensure the rope or belt is of sufficient capacity.
5. Use at least 4 ropes/belts to fasten the chassis and one rope/belt for the platform.
6. Adjust the rigging to prevent damage to the rope/belt.
7. To protect the boom components and platform load sensors, do not apply too large a downward force to the rope/belt fastened near the platform. It is recommended to add a foam layer beneath the platform and ensure the platform is suspended in the air.

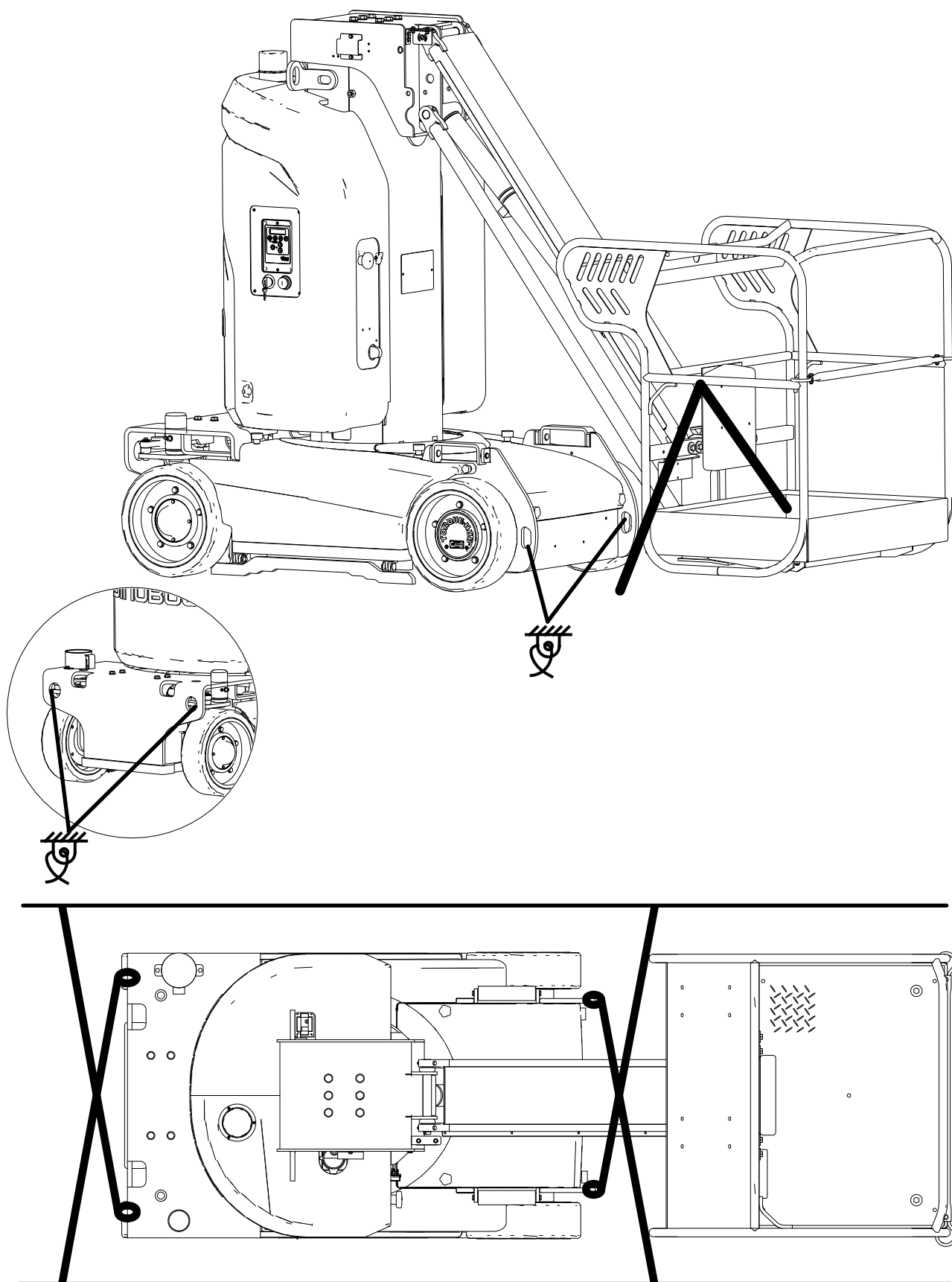


Figure 8-4