

BenchMark[®] MSC-20

Mobile Scale Cart

Quick Start Guide Assembly Instructions



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Revision History

This section tracks and describes manual revisions for awareness of major updates.

Revision	Date	Description
A	September 3, 2026	Established revision history

Table i. Revision Letter History



Technical training seminars are available through Rice Lake Weighing Systems. Course descriptions and dates can be viewed at www.ricelake.com/training or obtained by calling 715-234-9171 and asking for the training department.

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1.0 Introduction

The BenchMark MSC-20 Mobile Scale Cart allows for transportation of a counting scale and one secondary scale. This manual provides instructions for assembly of the Scale Cart.

Safety Definitions:



DANGER: Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. Includes hazards that are exposed when guards are removed.



WARNING: Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death. Includes hazards that are exposed when guards are removed.



CAUTION: Indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury.



IMPORTANT: Indicates information about procedures that, if not observed, could result in damage to equipment or corruption to and loss of data.

General Safety



Do not operate or work on this equipment unless this manual has been read and all instructions are understood. Failure to follow the instructions or heed the warnings could result in injury or death. Contact any Rice Lake Weighing Systems dealer for replacement manuals.



WARNING

Failure to heed could result in serious injury or death.

Ensure every individual who operates or works with this unit has read and understands all safety information.

Do not transport the cart while someone is on the cart.

Do not allow minors (children) or inexperienced persons to operate this cart.

Do not use in the presence of flammable materials.

Do not use this product if any of the components are loose or cracked.

Do not use near water.

Do not place fingers into slots or possible pinch points.

Do not use the cart on slippery surfaces, such as a wet floor.



IMPORTANT

Ensure scales and indicators are fully secured and installed before transporting the cart.

Ensure brakes are engaged when the cart is not in use.

2.0 Assembly

2.1 Required Tools

- 5/16 in socket wrench

2.2 Caster Installation

These instructions describe how to install the casters onto the BenchMark MSC-20 Cart Frame.



CAUTION: Do not attempt to transport or lift the cart frame without assistance.

1. Place the cart frame on its side.
2. Install four 5/16 in hex cap screws through washers and caster plate into the scale base of the cart assembly.
3. Secure the screws with 5/16 in hex nuts (see [Figure 2-1](#)).



NOTE: Install the two casters with brakes on the side of the cart assembly farthest from the handle.

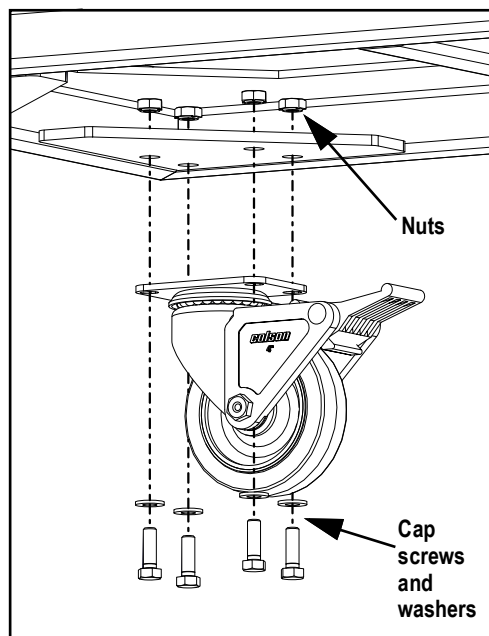


Figure 2-1. Caster Installation

4. Repeat [Step 2](#) and [Step 3](#) for each cart leg.
5. Place the cart upright.

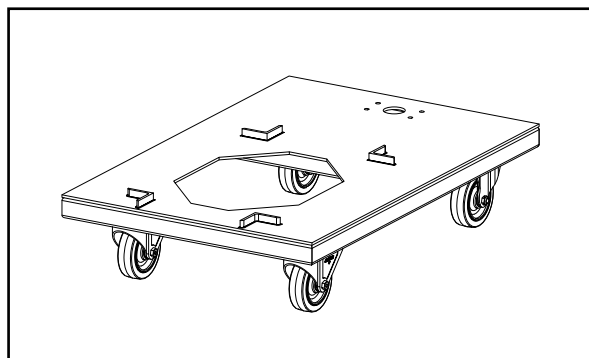


Figure 2-2. Cart Assembly with Casters

2.3 Indicator Stand Installation

1. Install four 5/16 in hex cap screws through washers and indicator stand into the cart assembly platform. Secure the screws with 5/16 in hex nuts.

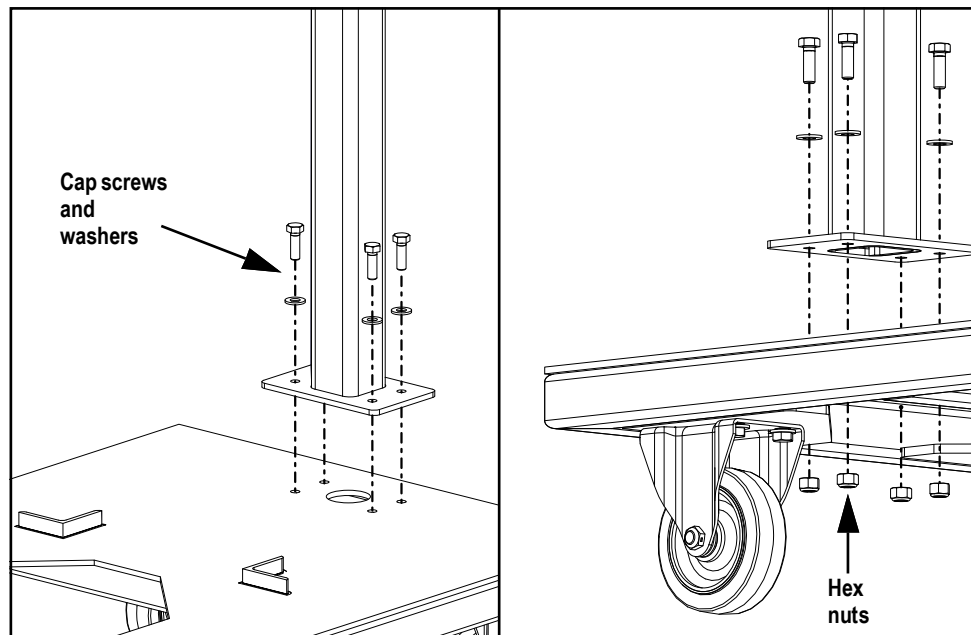


Figure 2-3. Indicator Stand Installation

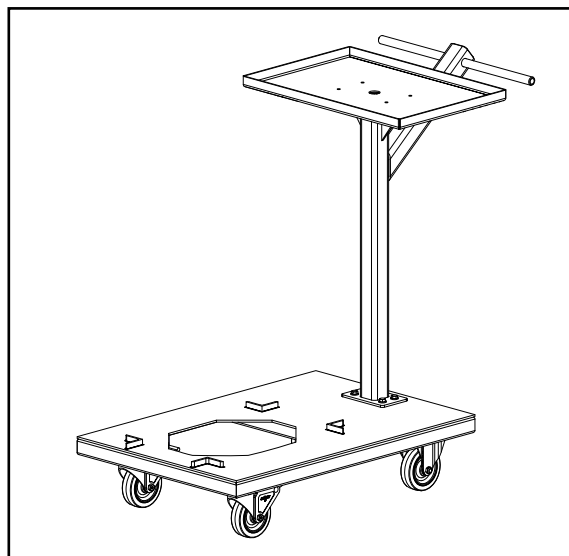


Figure 2-4. Assembled Cart



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