

# BenchMark<sup>®</sup> MSC-10

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*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](http://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-10 Mobile Scale Cart allows for portability of Benchmark, Benchmark SST and Benchmark HE bench scales. The cart includes an 18 in indicator stand for mounting a CW-90/90X, 680/682 Synergy, or 380/380X Synergy indicators. 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



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

1. Place the cart frame on its side.
2. Insert four 5/16 in hex bolts through the caster plate into the cart leg mount plate on the cart frame (see [Figure 2-1](#)).



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

3. Secure the bolts using 5/16 in nuts and washers.

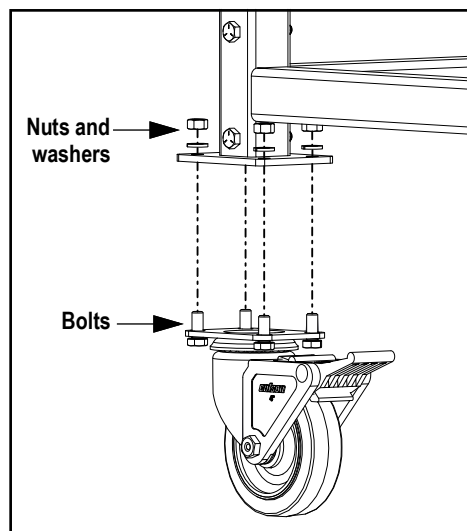


Figure 2-1. Caster Installation

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

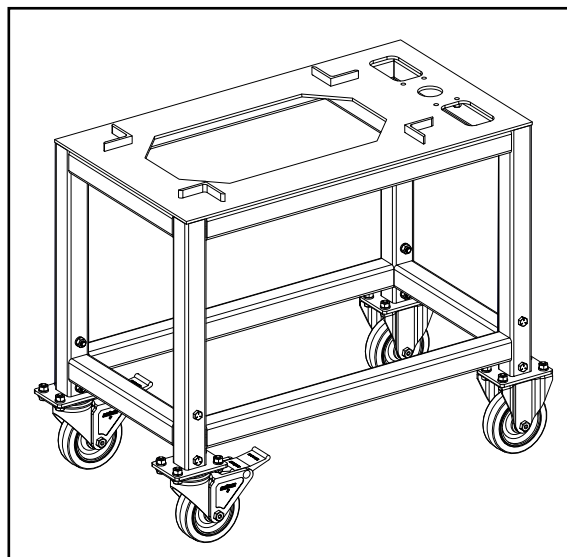


Figure 2-2. Cart with Installed Casters

## 2.3 Indicator Stand Installation

1. Install four 1/4 in hex cap screws through the indicator stand into the upper platform of the cart assembly (see [Figure 2-3](#)).
2. Secure the screws using 1/4 in nuts and washers.

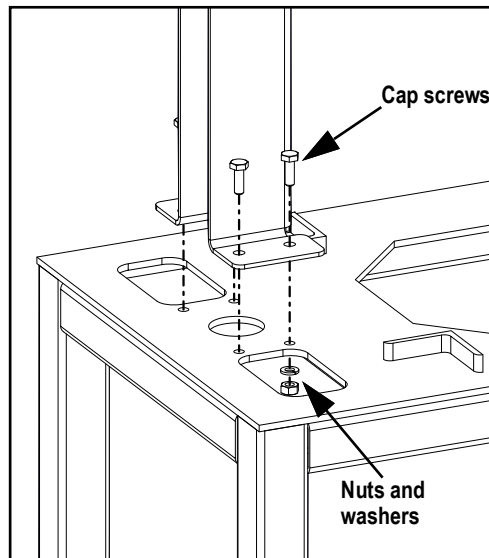


Figure 2-3. Indicator Stand Installation

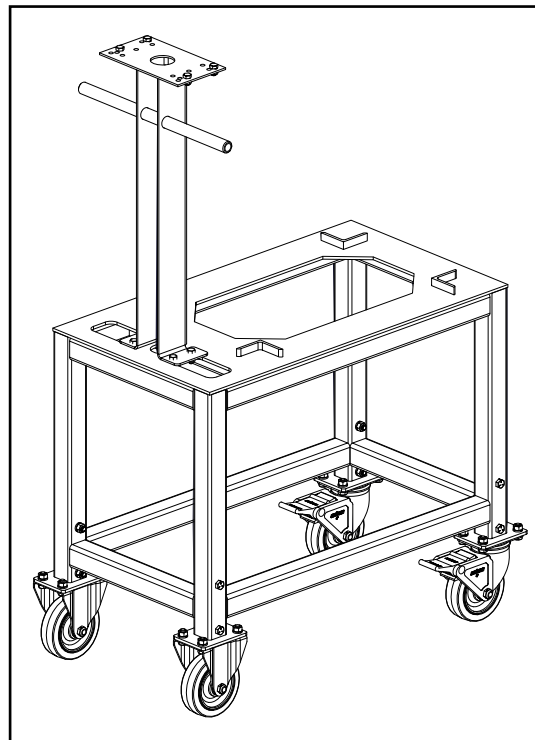


Figure 2-4. Assembled Cart

### 2.3.1 Indicator Mounting

1. Use 1/4 in hex cap screws and 1/4 in nuts and washers to mount a CW-90/90X, 680/682 Synergy, or 380/380X Synergy indicator.

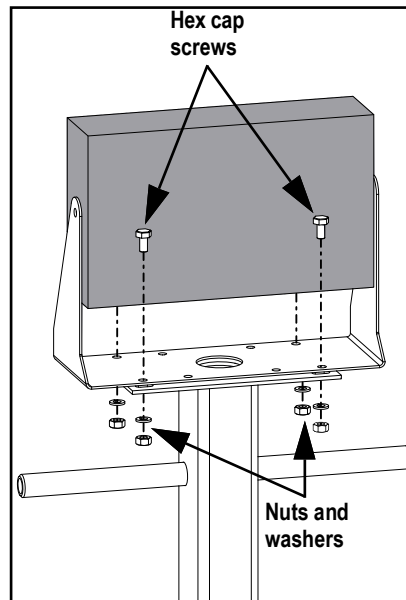


Figure 2-5. Indicator Mounting





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