

BenchMark[®] MSC-30

Mobile Scale Cart

Quick Start Guide Assembly Instructions



© Rice Lake Weighing Systems. All rights reserved.

Rice Lake Weighing Systems® is a registered trademark of
Rice Lake Weighing Systems.

All other brand or product names within this publication are trademarks or
registered trademarks of their respective companies.

All information contained within this publication is, to the best of our knowledge, complete and
accurate at the time of publication. Rice Lake Weighing Systems reserves the right to make
changes to the technology, features, specifications and design of the equipment without notice.

The most current version of this publication, software, firmware and all other product
updates can be found on our website:

www.ricelake.com

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.

Contents

1.0	Introduction	5
2.0	Assembly	6
2.1	Required Tools	6
2.2	Caster Installation	6
2.3	Indicator Stand Installation	7
2.3.1	Indicator Mounting	8



Rice Lake continually offers web-based video training on a growing selection of product-related topics at no cost. Visit www.ricelake.com/webinars

1.0 Introduction

The BenchMark MSC-30 Mobile Scale Cart allows for portability of one bench scale. The cart includes an 18 in indicator stand for mounting a CW-90/90X, 680/682 Synergy, or 380/380X Synergy indicator. 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. Insert four 5/16 in hex cap screws through washers and caster plate into the mounting plate on the cart frame (see [Figure 2-1](#)).
2. Secure the screws with 5/16 in hex nuts.



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

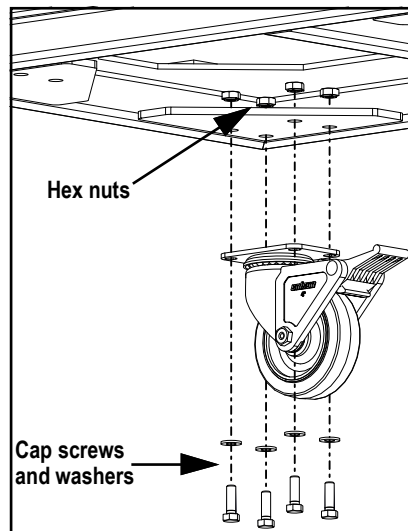


Figure 2-1. Caster Installation

3. Repeat [Step 1](#) and [Step 2](#) for each mounting plate.

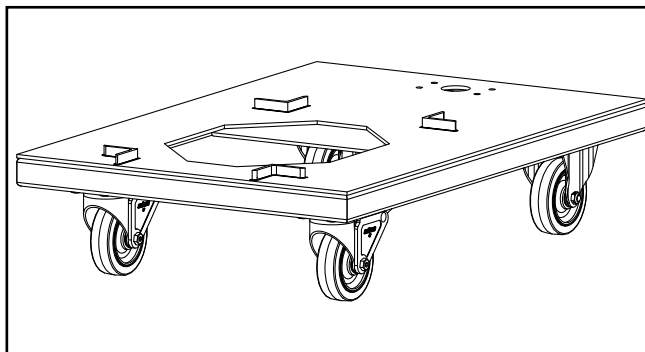


Figure 2-2. Frame Assembled with Casters

2.3 Indicator Stand Installation

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

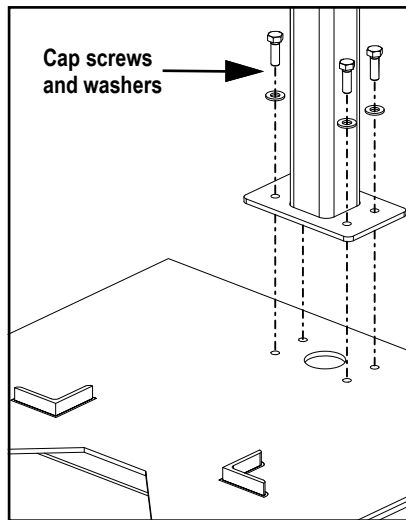


Figure 2-3. Indicator Stand Installation

2. Secure the cap screws with four 5/16 in hex nuts.

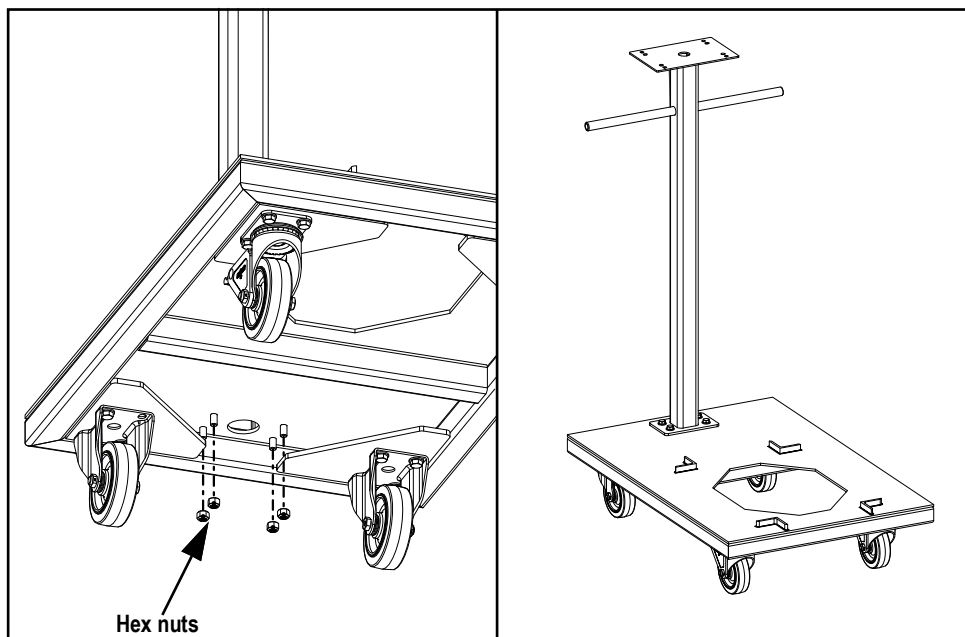


Figure 2-4. Assembled Cart

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.

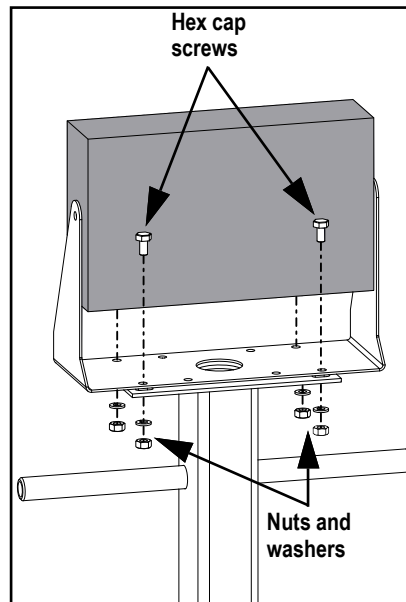


Figure 2-5. Indicator Installation



© Rice Lake Weighing Systems Content subject to change without notice.

230 W. Coleman St. • Rice Lake, WI 54868 • USA USA: 800-472-6703 • International: +1-715-234-9171