

# Instruction Manual



MB199UC  
MB199UCFD  
MB199UCSB  
MB199UCSC  
ACCESSORIES



## **WARNING**



To reduce the risk of injury, read this instruction manual before assembling or using this product.

# Instructions

## UTILITY CARTS and ACCESSORIES

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Contact your **MAC TOOLS** representative or distributor with any questions concerning the utility cart and its use.

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# Instructions

## UTILITY CARTS and ACCESSORIES



### SAVE THESE INSTRUCTIONS



TO REDUCE RISK OF INJURY



Please Read all instructions before use



Wear Proper eye protection to avoid injury



Use protective gloves to avoid injury



Do not open more than one loaded drawer at one time.

Do not step in or on any drawer or available ledge.

- Close lid and lock drawers before moving the unit.
- Apply brake on all casters when cart is left in a stationary position
- Do not place or mount any apparatus on top of the unit which has not been specifically designed for the cart and approved for use. All approved accessories and attachments are listed in the accessories section of this manual.
- Replace damaged hinges or ball bearing slides immediately with official manufacturers replacement
- Improper installation of drawers and slides can lead to damage or even injury.
- Make sure drawer stops are fully engaged and working correctly

### Introduction

To effectively use and prolong the life of you new Mac Tools mobile storage unit, follow the care and operation instructions as outlined in this manual. This manual will outline care and operation of your new cart and will also provide instructions for the attachment of accessories and extended storage modules.

### Lubrication

**Slides** - The MB199UC class of carts come standard with ball bearing slides which do not require periodic lubrication and should be maintenance free.

**Locking Mechanisms** – Periodically apply prescribed lubrication to locks and lock mechanisms as needed. Key Lock (graphite lock lubricant), Lock Lever (light grease or oil)

**Casters** – The casters on the MB199UC class of carts are maintenance free. No lubrication access on swivel or wheel. Wheel has oil impregnated bushing which sits in a delrin bushing. This creates a very long lasting smooth wear surface.

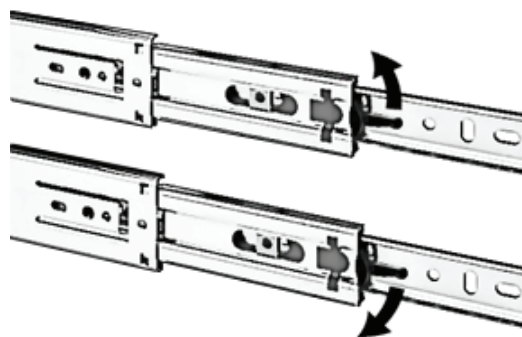
### Drawers with Ball Bearing Slides



Improper drawer removal or installation may result in injury or damage to drawer

**To remove a drawer, follow these steps to prevent damage or injury**

1. Empty all contents from drawer
2. Pull drawer out to its full extended length
3. Find the lever on the side of the drawer slides. On the right hand slide PUSH DOWN the lever, simultaneously PULL UP the lever on the left hand slide and pull the drawer out over the stops.
4. The drawer can now be fully removed



**To install a drawer, follow these steps to prevent damage or injury**

1. Pull the slides out to their full extended position
2. Align the slides with the runners on the drawer and push the drawer in keeping it level and even. It will require some force over the last several inches to place the drawer in its final position. This is normal and required to realign the ball bearings correctly.

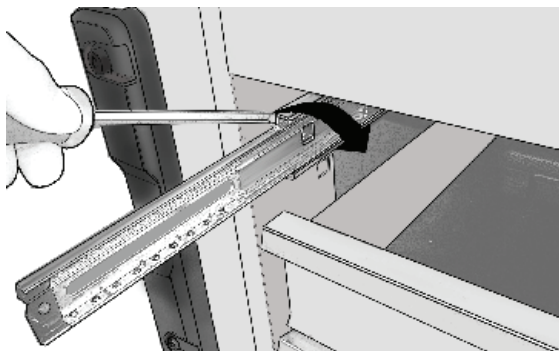
# Instructions

## UTILITY CARTS and ACCESSORIES



### Removing drawer runners and slides

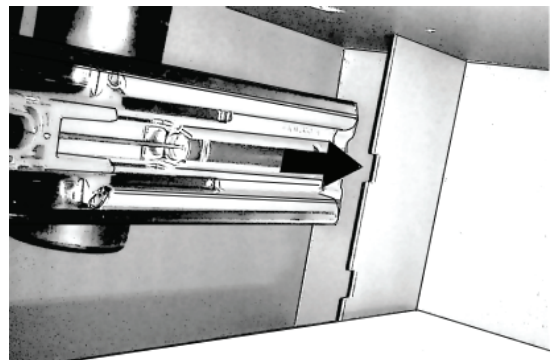
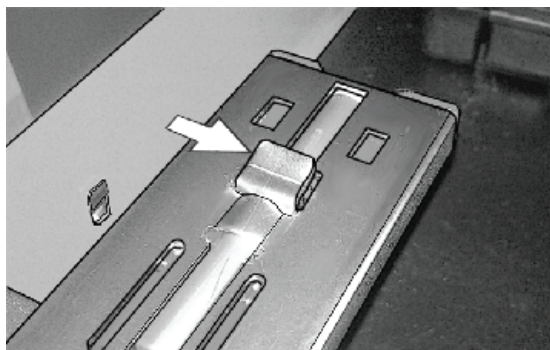
1. Remove the target drawer and drawers immediately above and below to give better access to the slides.
2. Pull slides out to their full extended position



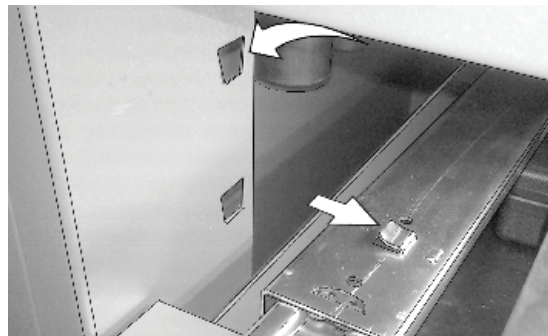
3. Wedge a flat blade screw driver under the top edge and lightly twist or pry to create separation between the slide frame and the box. At the same time lift on the slide until it snaps out of position.
4. Pull the slide forward and remove

### Installing drawer runners and slides

1. Align tab on back edge of the slide with square notch at the back edge of the slide support wall.



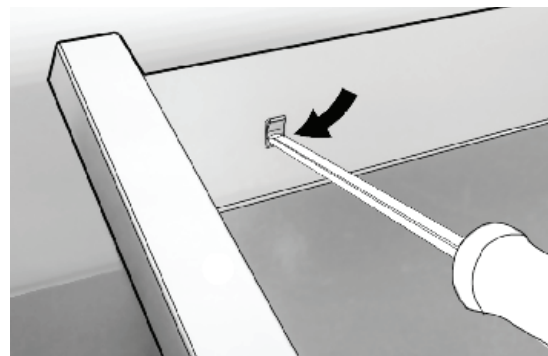
2. Insert forward tab on slide into slot on cabinet slide support wall and push down until the slide snaps into position and is horizontal.



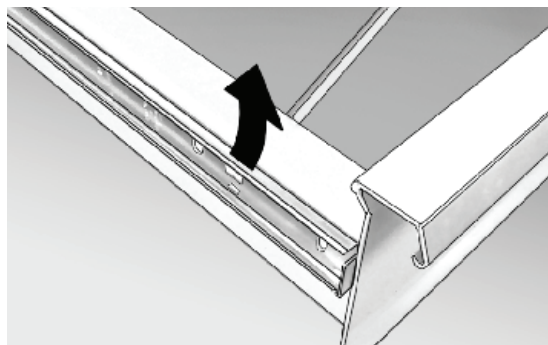
3. Verify the position and firm connection of the slide before attempting to re-install the drawer.

### Removing drawer runners

1. Locate the forward tab on the inside wall of the drawer body.
2. With a slim object like a screwdriver, push in the protruding lower edge of the tab.



3. While pushing in the tab (on step 2) lift up on the drawer runner until it pops free and slide it forward.





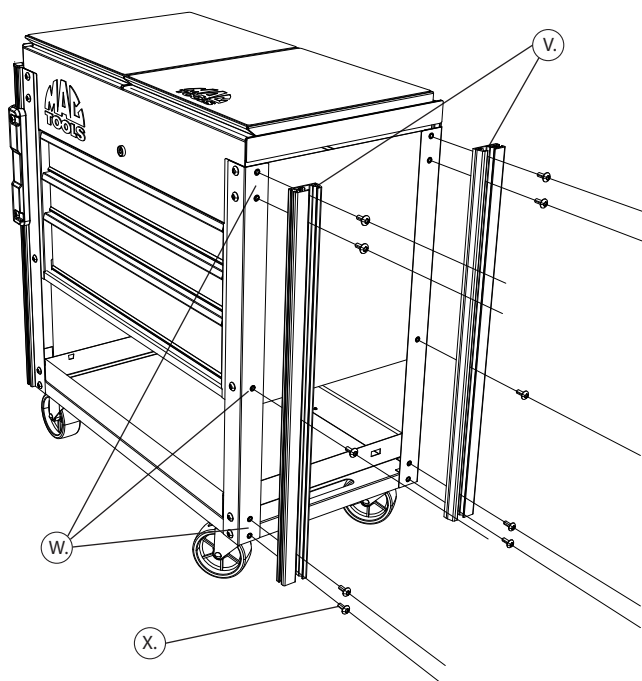
# Instructions

## UTILITY CARTS and ACCESSORIES



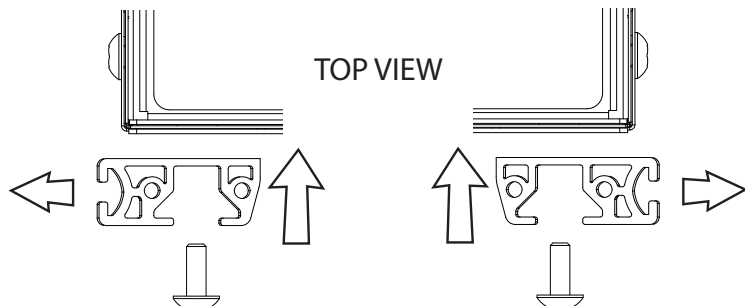
### Attaching or Removing corner rails

The MB199UC cart platform accepts channeled corner rails which allow the attachment of a variety of accessories. Below are instructions for installing and removing the rails from the base cart.



**Attaching Rails** - Instructions refer to the attachment or removal of one rail at a time.

1. Remove the existing 5 fasteners (X.) from the locations on the cart (W.).
2. Place the large back wall of the corner rail (V.) against cart and align the holes between the cart and rail.  
**NOTE:** the rails should be oriented like the image below with the smaller channel facing outward towards either the front or back of the cart.



3. Insert the top most fastener and let the rail settle down onto the fastener. Hold the rail in that settled position while fully tightening. **NOTE:** This will ensure the rail is not too high and does not interfere with the slide out upper tray when opened.
4. Proceed with inserting the other fasteners starting from the bottom up. **NOTE:** make sure to fully tighten all fasteners.

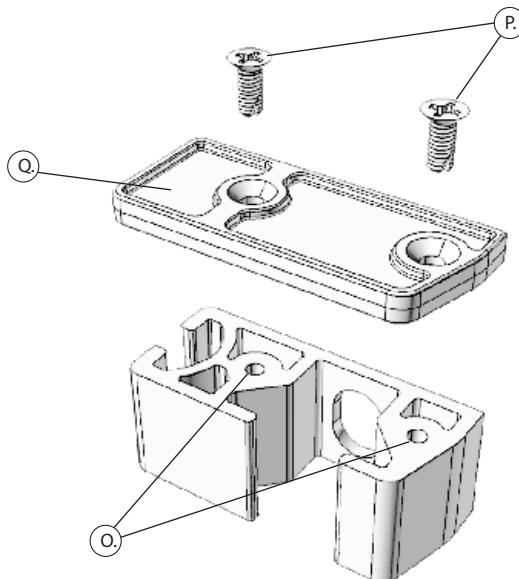
**Removing Rails** - Instructions refer to the attachment or removal of one rail at a time.

1. Follow the attachment instructions but reverse the order of operations. Be sure to start with the lowest fastener.

### Attaching corner rail caps

After attaching the rails, side handle, bumpers and accessories, install the corner rail caps.

1. Place the corner rail cap (Q.) on the top surface of the corner rail making sure to align the cap holes with the holes on the holes on the corner rail (O.).
2. Once the cap is in place use the flat head screws (P.) to secure. **DO NOT** over tighten or you risk damaging the rail cap. **NOTE:** the holes in the corner rails are untapped. The flat head screws (Q.) are a special thread forming screw that will cut their own thread.



# Instructions

## UTILITY CARTS and ACCESSORIES

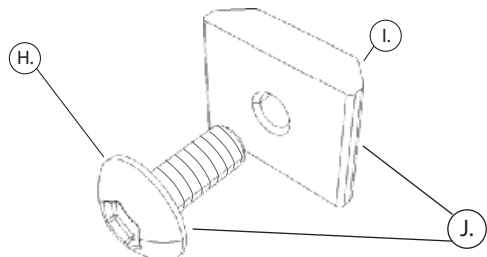


### Attaching and relocating Side Handle and Bumpers

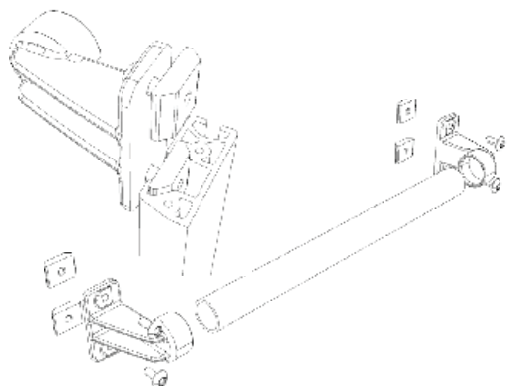
The MB199UC utility cart platform accepts a height adjustable side handle that attaches using the same method as the accessories.



1. Using the supplied **wedge nut (I.)** and the **button head fastener (H.)** insert the fastener through the mounting holes on the handle bracket .



2. Once the fastener has been inserted into the handle bracket, thread a small portion of the wedge nut (I.) onto the fastener (H.) **NOTE:** leave enough slack in the thread to easily maneuver the assembly into place on the carts corner rail slots.



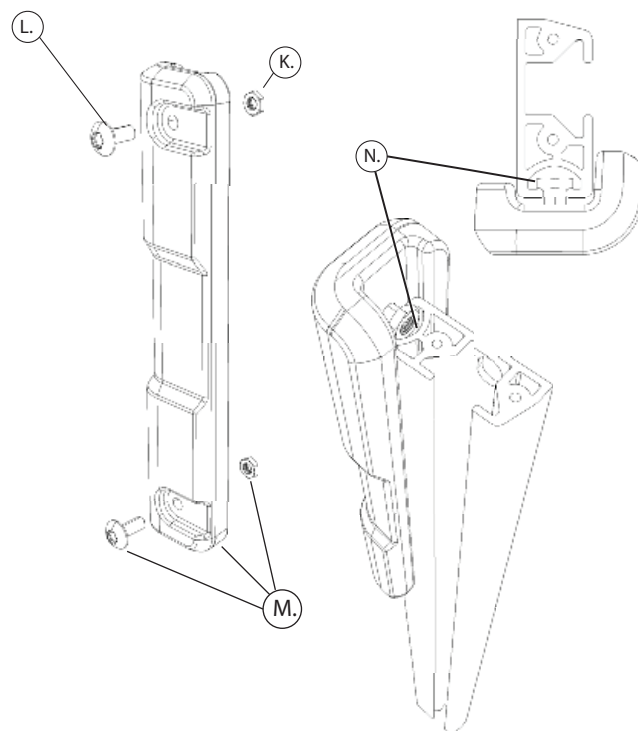
3. Attach all four threaded nut assemblies (J.) to both sides of the accessory before placing in the slot of the corner rails.

4. Once the threaded nuts are inserted in the slot on the corner rails, lower into desired position and fully tighten to prevent the accessory from moving in use.

### Attaching Bumpers

The MB199UC utility cart platform accepts a height adjustable bumper to help protect both the cart and vehicles from damage.

1. Using the supplied **hex nut (K.)** and the **button head fastener (L.)** insert the fastener through the mounting holes on the bumper and partially thread on the nut leaving plenty of slack.



2. Once both fasteners and hex nuts are connected to the bumper, insert the hex nut into the smaller of the two tracks (N.) on the carts corner rails. You may have to twist the hex nut to align it with the track.
3. Once both nuts are inserted, slide into the desired height and tighten the fastener. **DO NOT** over tighten the fastener or you may damage the bumper.

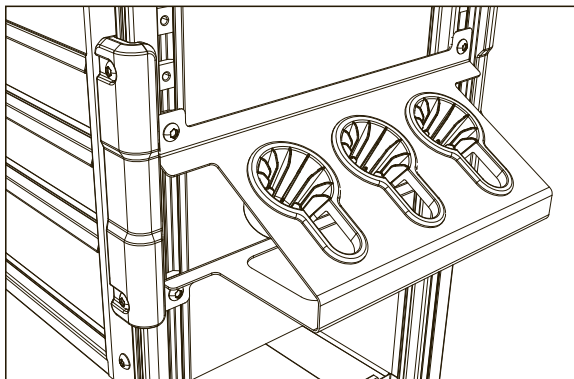
# Instructions

## UTILITY CARTS and ACCESSORIES

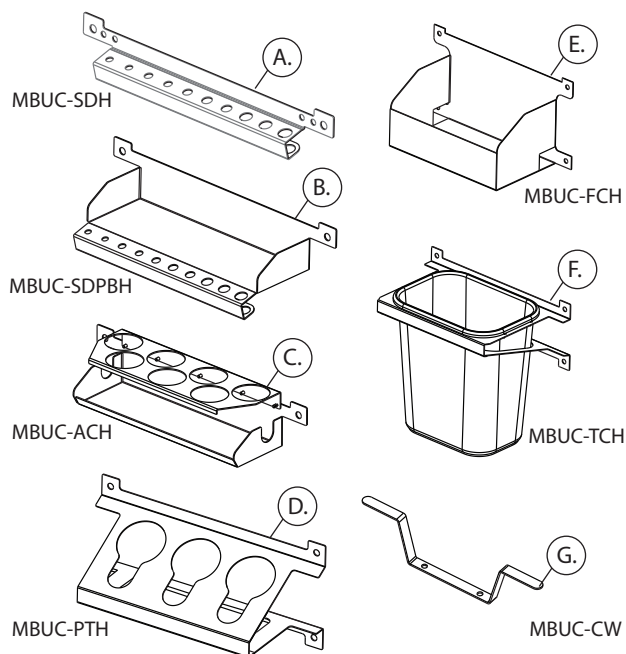


### Attaching and relocating accessories

The MB199UC utility cart platform accepts a variety of specially designed accessories that attach via the corner rail system. This system allows you to create a custom configuration and location based on your needs.



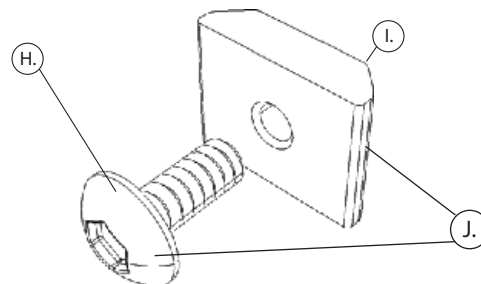
Below is a small variety of accessories and instructions for attachment and relocation:



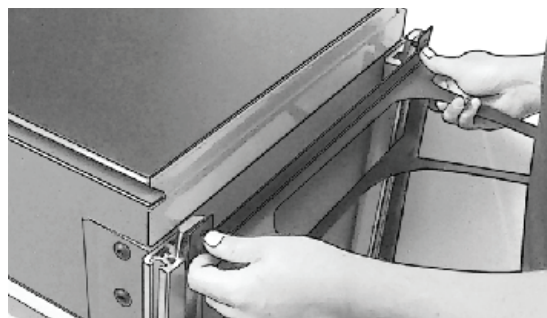
A. Screwdriver holder, B. Utility bin shelf/screwdriver holder, C. Aerosol can holder, D. Power tool holster, E. Large liquid container shelf, F. Trash container holder, G. Cord wrap

**NOTE:** A larger family of accessories will be available using the same attachment process.

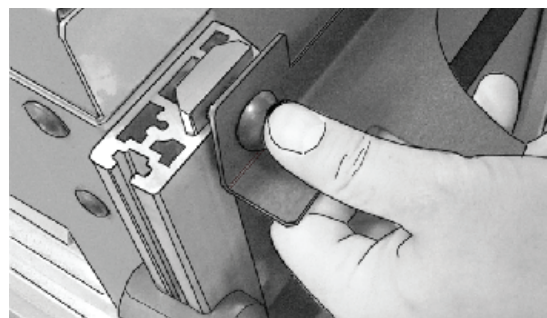
1. Using the supplied **wedge nut (I.)** and the **button head fastener (H.)** insert the fastener through the most outboard mounting hole on the accessory you wish to attach.
2. Thread a small portion of the wedge nut (**I.**) onto the fastener (**H.**) **NOTE:** leave enough slack in the thread to easily maneuver the assembly into place on the carts corner rail slots.



3. Attach threaded nut assemblies (**J.**) to both sides of the accessory before placing in the slot of the corner rails.



4. Once the threaded nuts are inserted in the slot on the corner rails, lower into desired position and fully tighten to prevent the accessory from moving in use.



**NOTE:** The accessory fasteners may need tightened periodically to help prevent the accessories from moving.

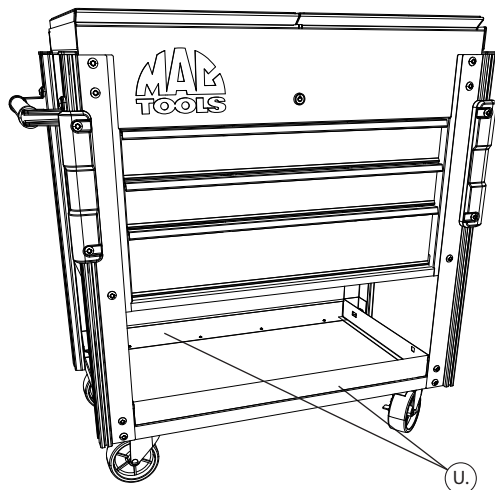
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## UTILITY CARTS and ACCESSORIES

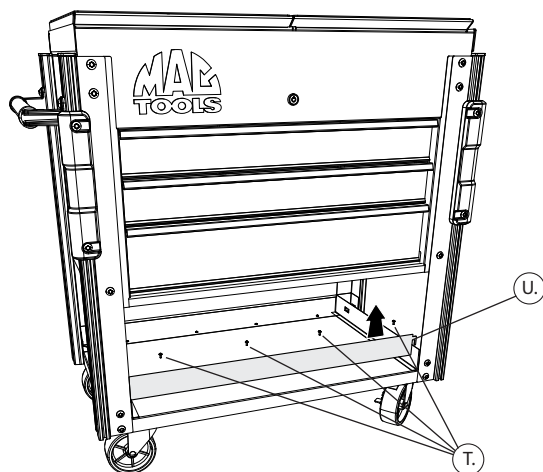


### Lower tray

The standard 3 drawer cart has a stationary lower tray that can be converted to accept a slide out lower tray accessory by removing the front and back tray wall components (**U.**)



1. Remove the 4 sheet metal screws (**T.**) along the bottom flange of the tray wall (**U.**) and pull the tray wall up and out of the notches on either end of the side walls.



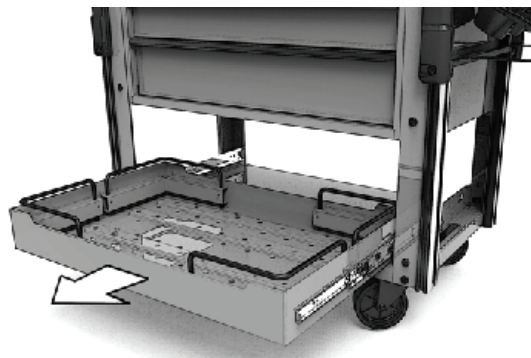
2. Once these parts have been removed you will be able to install the slide out lower tray accessory (**see instructions on right for further details**).

### Slide out lower tray

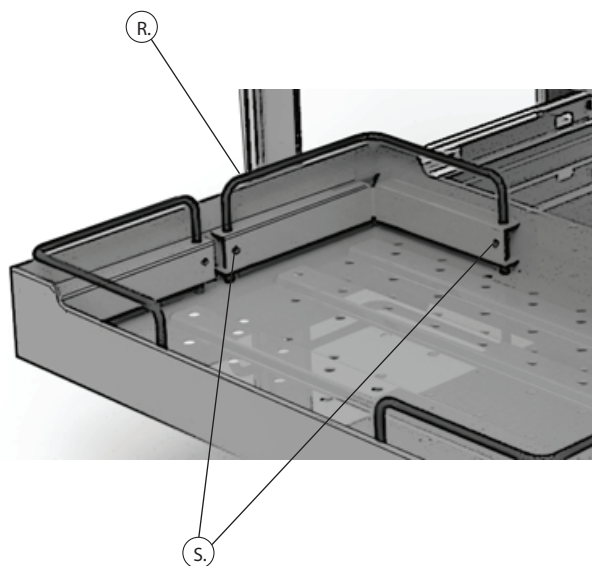
The MB199UC utility cart platform will accept a slide out lower tray. This tray utilizes the same slides as the standard drawers. **(See Slide and Drawer installation instructions when installing this component)**

#### **⚠WARNING**

1. The slide out lower tray is for storage only and must never be used as a step. The corners have 4 removable handles/protective guards.
2. To prevent damage or injury, make sure the lower tray is in the closed position when moving the cart.
3. The tray has stops that prevent it from extending completely which allow the slide to hold 100 lbs.



4. The lower tray handle/protective guards (**R.**) can be removed or repositioned using the set screws (**S.**).



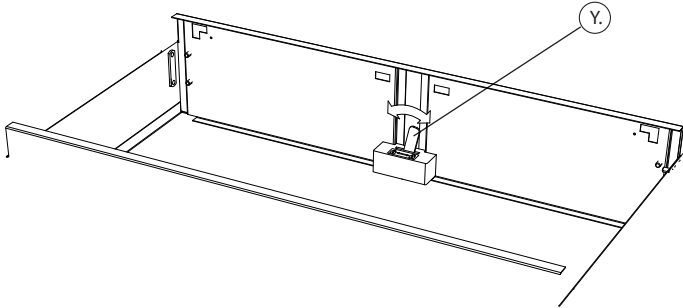
# Instructions

## UTILITY CARTS and ACCESSORIES



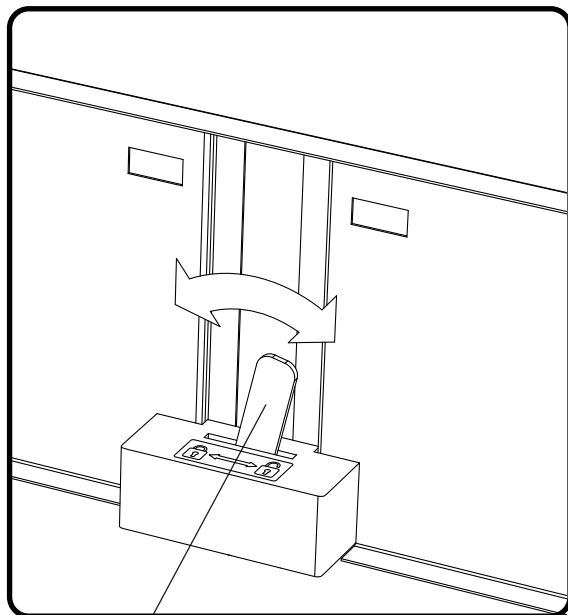
### Locking Drawers

1. To lock the lower drawers on the MB199UC locate the lever arm (**Y.**) on the back wall of the top compartment as shown below.



2. Shift the lever (**Y.**) to align with either the lock or unlock icon label in front of the lever.

**NOTE:** if no icons are present (Lever shifted to the right is Un-locked and Lever shifted to the left is Locked)



**Y.**

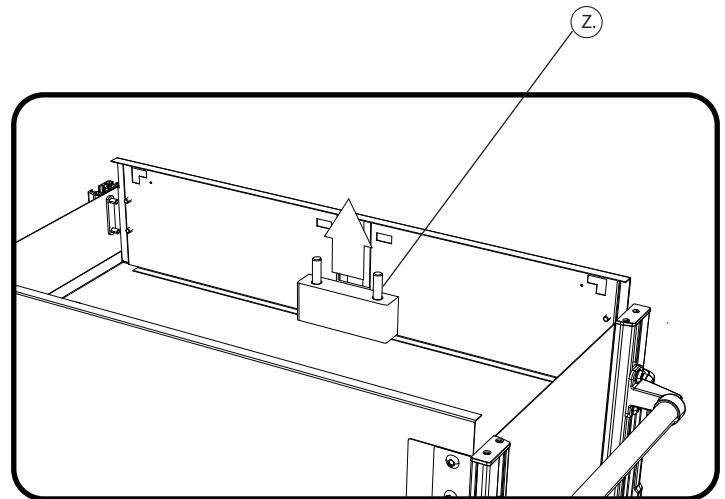
### Locking Cabinet and Top Compartment

The MB199UC utilizes the same standard barrel lock as the larger storage boxes. **NOTE:** Make sure the serial number listed on the front face of the lock matches the serial number listed on the keys.



1. The main barrel lock engages lock rods (**Z.**) on the inside of the top compartment which prohibit the top slide out trays from opening.

**NOTE:** to prevent the lock rods (**Z.**) from sticking in the retracted position apply a light duty lubricant to the rods.



**Z.**



# Instructions

## UTILITY CARTS and ACCESSORIES

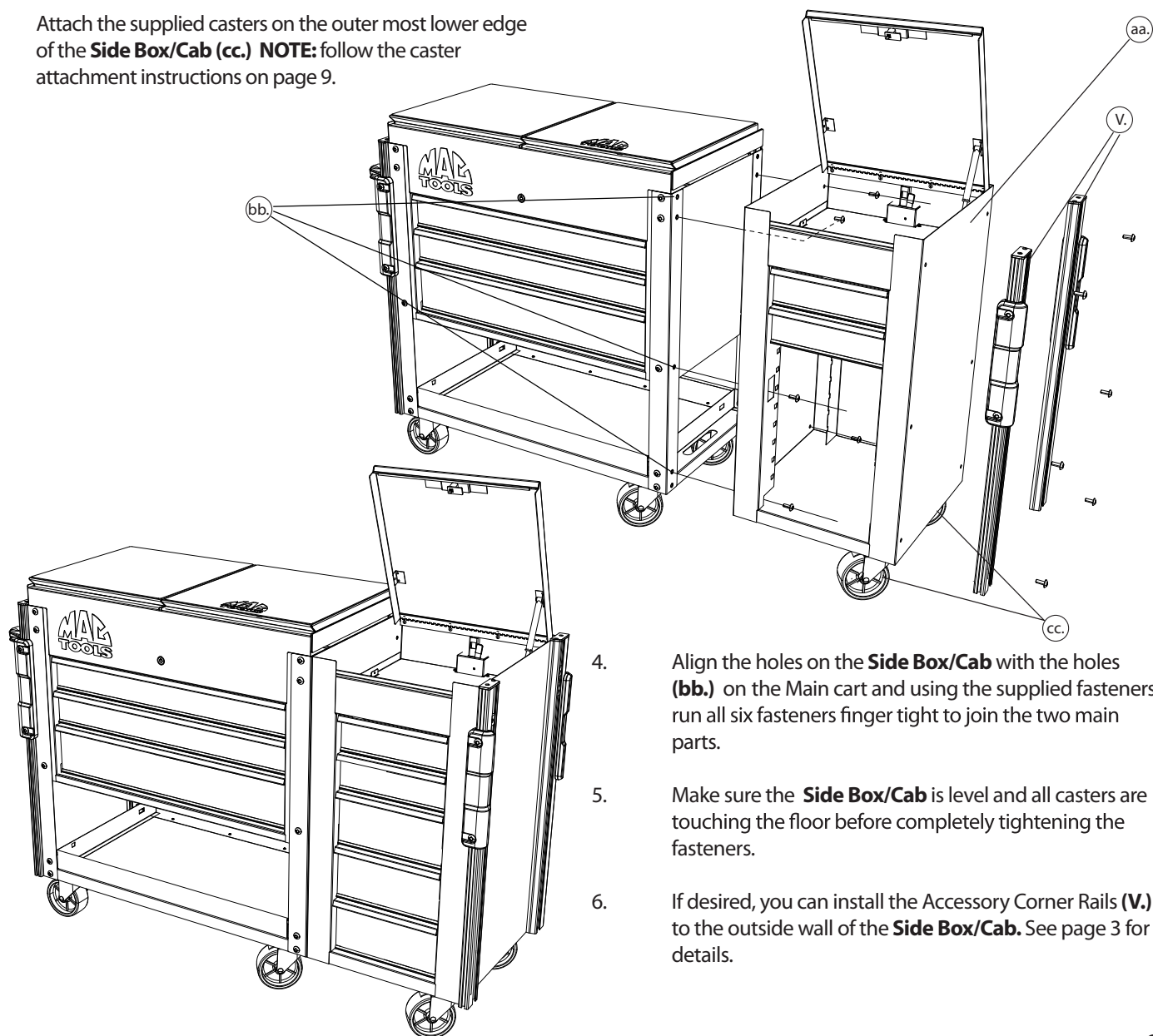


### Side Box/Cabinet Attachment

The MB199UC Utility Cart System allows for the easy attachment of the **MB199UCSB** or **MB199UCSC** utilizing the existing hole patterns present on the cart. The **Side Box** or **Side Cabinet** can be attached to either side of the cart.

1. If the cart has the corner rails (**V.**) already attached you will need to remove the rails on the side you wish to install the **Side Box/Cab (aa.)** before proceeding. See page 3 for details on how to remove the corner rails.
2. Attach the supplied casters on the outer most lower edge of the **Side Box/Cab (cc.)** **NOTE:** follow the caster attachment instructions on page 9.

3. The **Side Box/Cab** attaches using three of the holes for each vertical leg of the cart. Each leg has five holes running vertically up the leg or corner. If the top most hole is number **1**, you will be using holes **2,3,4 (bb.)** to mount the **Side Box/Cab** to each corner.
4. Remove the lower 3 drawers and open up the top compartment lid of the **Side Box/Cab** to provide access to holes (**bb.**)



4. Align the holes on the **Side Box/Cab** with the holes (**bb.**) on the Main cart and using the supplied fasteners, run all six fasteners finger tight to join the two main parts.
5. Make sure the **Side Box/Cab** is level and all casters are touching the floor before completely tightening the fasteners.
6. If desired, you can install the Accessory Corner Rails (**V.**) to the outside wall of the **Side Box/Cab**. See page 3 for details.

# Instructions

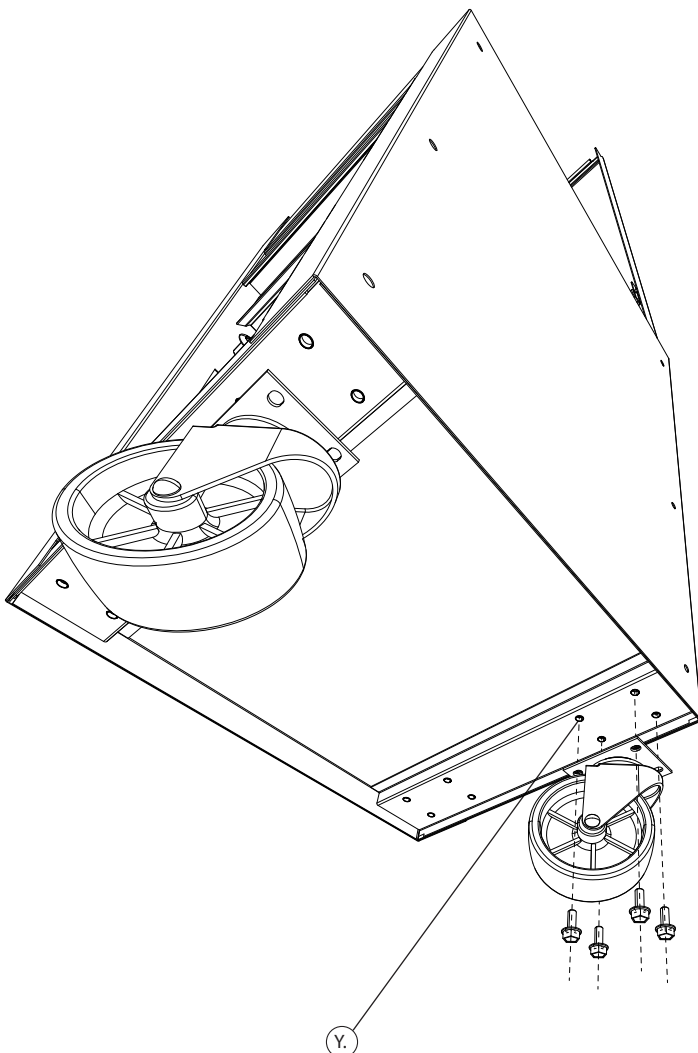
## UTILITY CARTS and ACCESSORIES



### Attaching Casters to Side Box or Side Cabinet

Your **Side Box/Cab** does not have casters pre-installed, you will need to install the casters before attaching the **Side Box/Cab** to the MB199UC utility cart.

1. Select which side of the **Side Box/Cab** will mount to the MB199UC. The casters will mount to the opposite side of **Side Box/Cab** that will mount to the MB199UC utility cart.
2. Locate the **4** mounting holes (**dd.**) in each corner and align the holes on the supplied caster mounting plate.
3. Insert all **4** fasteners and completely tighten.

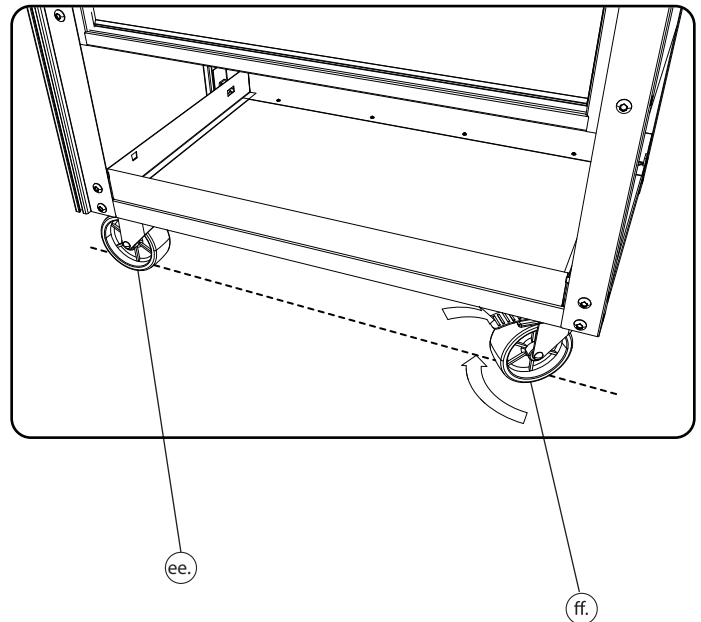


### Locking Casters

The MB199UC utility cart has two different types of casters.

The casters on the **left side (ee.)** of the cart are 360 degree swivel casters which can be locked or made immobile by depressing the lock lever.

The casters on the **right side (ff.)** of the cart are 360 degree swivel casters that can be locked in the orientation of a fixed caster by depressing the lock lever. **NOTE:** this does not immobilize the wheel from spinning only the caster from swiveling.



**NOTE:** The casters that come standard on the **Side Box/Cab** are the 360 degree swivel casters which can be locked or made immobile by depressing the lock lever.

# Instructions

## UTILITY CARTS and ACCESSORIES



### Weight Capacity

MB199UC Specifications	Code	Weight / lbs.	Weight / kg
Top Deck	1	50	22.5
Top slide out tray (per side)	2	30	13.5
Top compartment	3	75	34
4" Drawers (per drawer)	4	100	45.5
6" Drawers (per drawer)	5	200	90.5
Lower bulk storage	6	200	90.5
Lower Slide out tray (accessory)	7	100	45.5

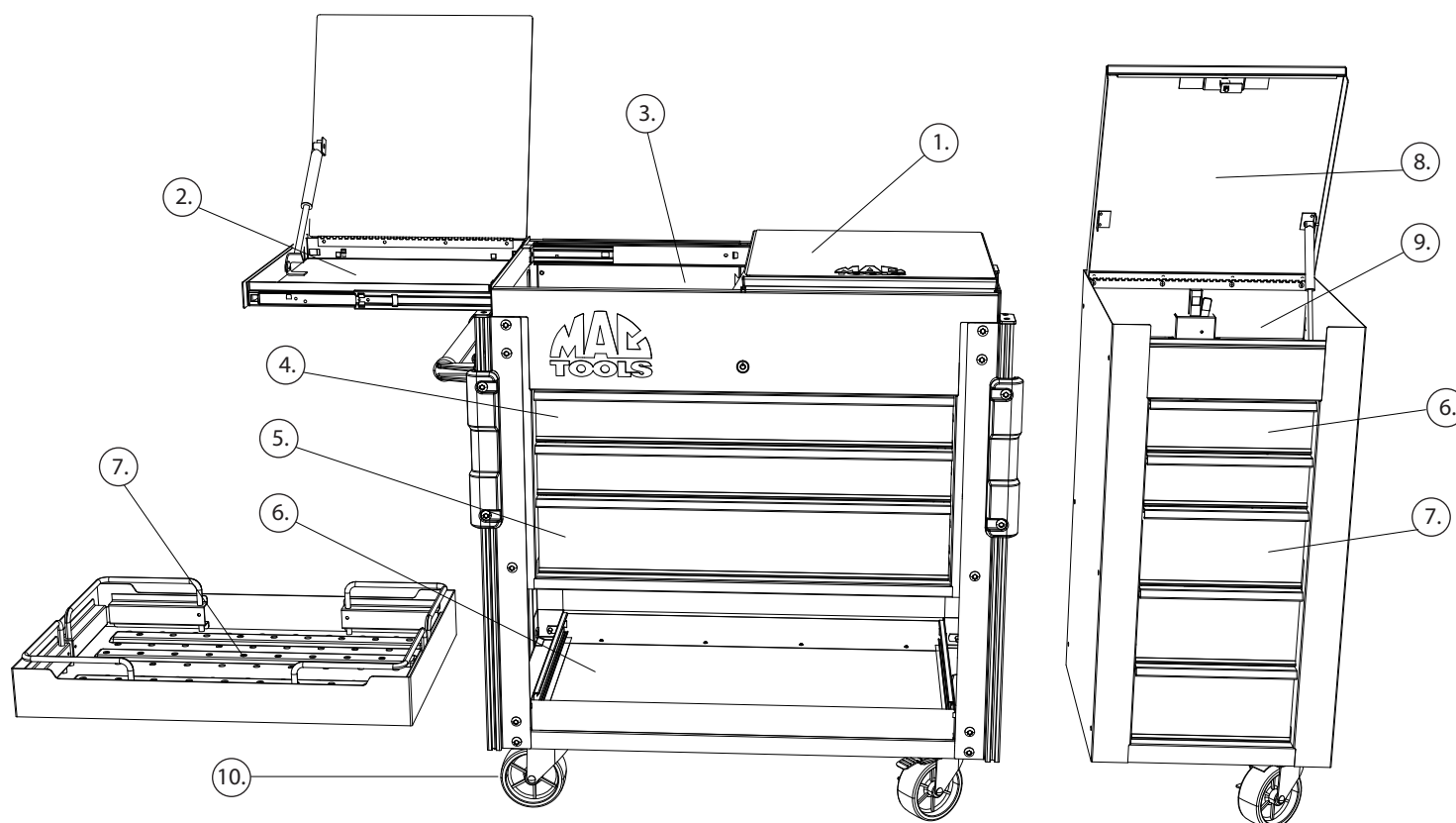
### MB199UCFD Specifications

Top Deck	1	50	22.5
Top slide out tray (per side)	2	30	13.5
Top compartment	3	75	34
4" Drawers (per drawer)	4	100	45.5
6" Drawers (per drawer)	5	200	90.5

Side box / cabinet	Code	Weight / lbs.	Weight / kg
4" Drawers (per drawer)	6	25	11.5
6" Drawers (per drawer)	7	50	22.5
Top Deck	8	50	22.5
Top compartment	9	25	11.5

### Casters

Locking Swivel Casters (per)	10	275	125
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# Instructions

## UTILITY CARTS and ACCESSORIES



### Replacement Parts List

Part Name	Part #
GAS SHOCK - 40lbs	056882
MAC LOGO - CHROME	056888
MAC LOGO - BLACK	056934
31.5" DRAWER PULL - CHROME	056787
31.5" DRAWER PULL - BLACK	056871
CORNER RAIL CAP ASSEMBLY	056937
SIDE HANDLE ASSEMBLY	056938
SWIVEL CASTERS	056875
SWIVEL LOCK CASTERS	056874
BUMPER ASSEMBLY	056936
CORNER RAIL - CHROME	056841-02
CORNER RAIL - BLACK	056841-01

Part Name	Part #
8MM NUT	056859
SCREW M4 X 1MM CENTER SUNK	056850
THREADED RAIL WEDGE	056847
BUMPER	056846
SCREW 8MM X 20MM BUTTON	056845
CORNER RAIL CAP	056844
HANDLE TUBE - KNURLED	056843-02
HANDLE BRACKET	056842
POWER STRIP	056933
UTILITY DRAWER	MB199UCDRW
SIDE BOX	MB199UCSB
SIDE CABINET	MB199USSC

Part Name	Part #
EASY CLOSE SLIDE - LEFT	056835
EASY CLOSE SLIDE - RIGHT	056836
TUBULAR LOCK	055072
UTILITY DRAWER STOP	056855
TOP MAT - RIGHT (MAC LOGO)	MB199UCM-R
TOP MAT - LEFT	MB199UCM-L
TOP TRAY EDGE MOLD	056807
SECURITY PLATE EDGE MOLD	080125
GAS SHOCK (SIDE BOX/CAB)	080121
ACCESSORY MOUNTING KIT	056936
SIDE BOX/ CAB LID EDGE MOLD	056979
Pry bar Sleeve	056887

