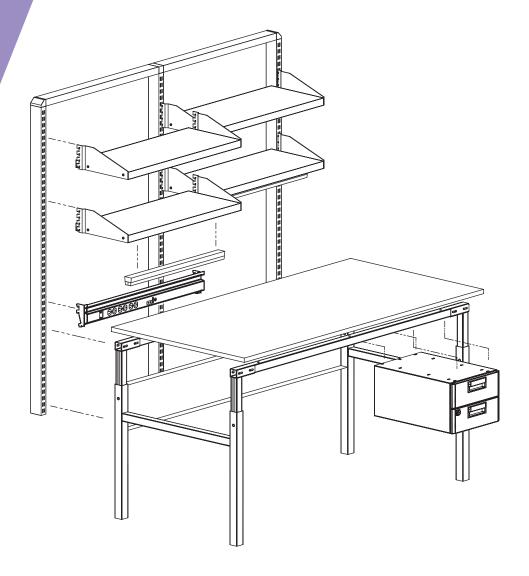


VWR® LABORATORY BENCHES

ASSEMBLY INSTRUCTIONS FOR VWR PRIVATE LABEL LABORATORY BENCHES AND ACCESSORIES



Tools Required for Installation

Standard tools needed for most installations:

- Adjustable wrench 6"
- 10mm combination wrench
- 13mm combination wrench
- 19mm combination wrench
- 13mm socket and ratchet
- Flat screw driver
- #2 Phillips screw driver
- #3 Phillips Screw driver
- Standard pliers
- 4mm hex wrench
- 5mm hex wrench
- 6mm hex wrench
- 8mm hex wrench
- Dead Blow Mallet
- Ball peen hammer
- Band cutters (tin snips)
- Razor Knife
- 16' tape measure

Advanced tool list (not required but may be needed on some occasions):

- 8mm Tap
- 6mm Tap
- Tap wrench
- Battery drill
- Drill bits set
- Allen key set
- Side cutters
- Needle nose pliers
- Channel lock pliers
- Vise Grip pliers
- Hack Saw
- Metric Socket set
- Mill Bastard File 12" fine



VWR® Installer Tool/Hardware Kit!

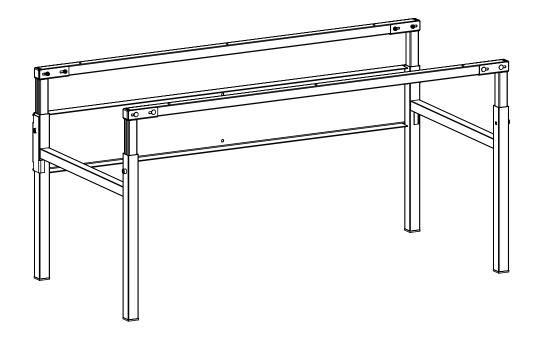
Installer kit contains standard tools and hardware necessary for installing all VWR® Private Label Laboratory benches and accessories from Sovella. The first kit for each installer is **free**; additional kits can be purchased using Sovella order no. 14-99900904. Contact a Sovella representative for more information.

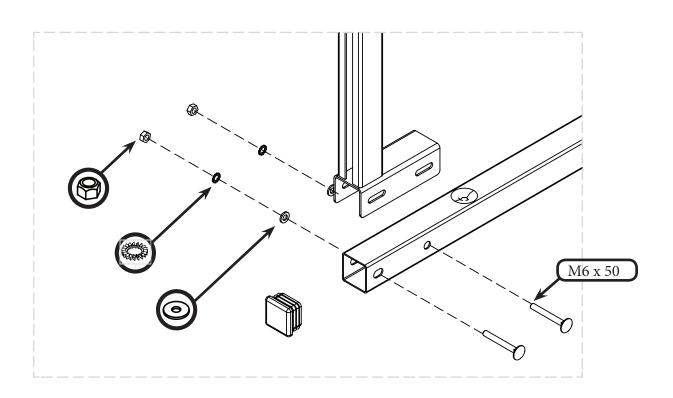
Table of Contents

ASSEMBLY INSTRUCTIONS:

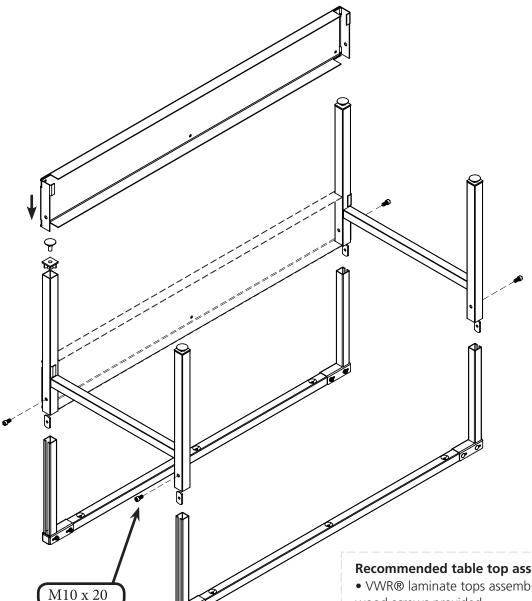
4-LEG BENCH 4	
C-LEG MANUAL 6	
C-LEG CRANK 8	
C-LEG MOTOR 1	1
DRAWER MOUNTING	
4-LEG 14	4
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ACCESSORY BAR 24	4
CPU HOLDERS 24	4
KEYBOARD TRAYS 26	6
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4-Leg Bench Instructions





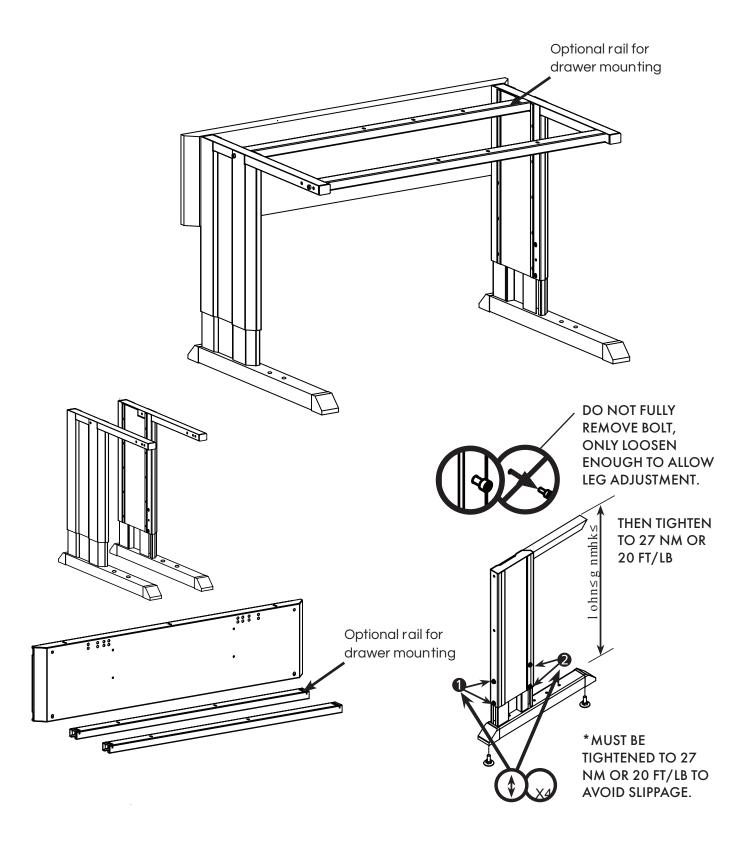


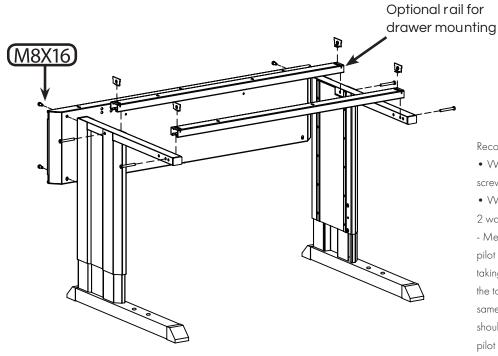


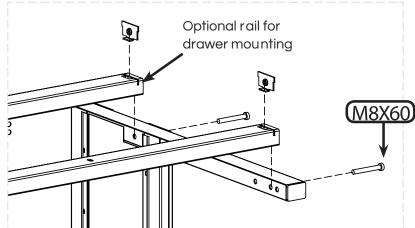
Recommended table top assembly:

- VWR® laminate tops assembled with wood screws provided
- VWR® phenolic tops can be assembled in 2 ways:
- Mechanical fasteners (screws) Pre-drill a pilot hole in the bottom of the work surface, taking care to keep from penetrating through the top. The pre-drilled hole should be the same length as the screw shaft. The screw should be slightly larger in diameter than the pilot hole. Use a coarse threaded screw, wood or machine.
- Adhesive Use 100% silicon. Apply several "spots" or a continuous bead to the top of the table frame. Position the work surface as centered on the frame and let cure for 12 hrs at room temp.

C-Leg Bench Instructions - Manual Height Adjustment

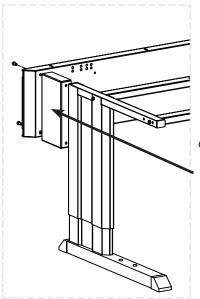






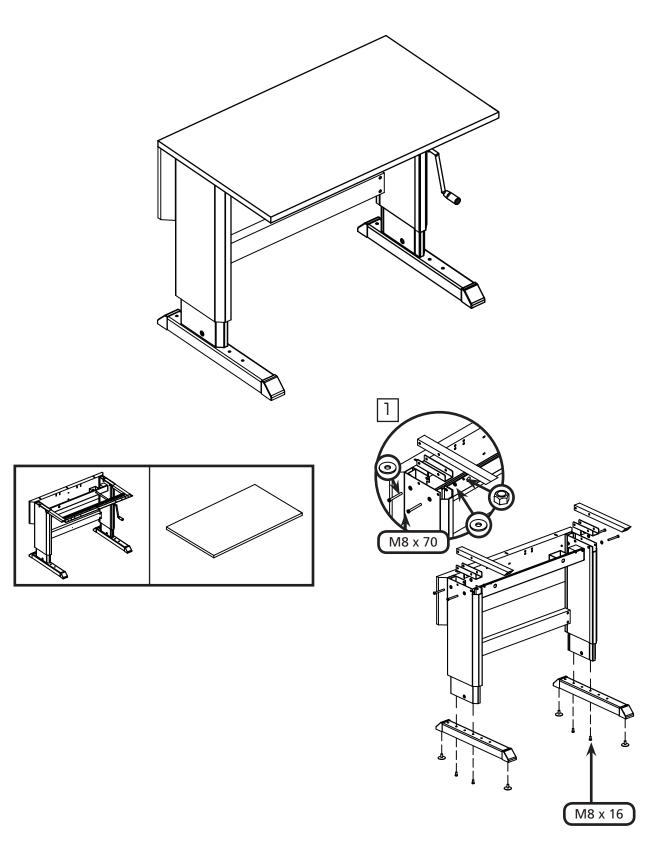
Recommended table top assembly:

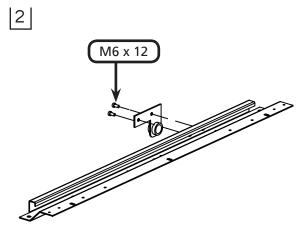
- VWR® laminate tops assembled with wood screws provide d
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- Mechanical fasteners (screws) Pre-drill a pilot hole in the bottom of the work surface, taking care to keep from penetrating through the top. The pre-drilled hole should be the same length as the screw shaft. The screw should be slightly larger in diameter than the pilot hole. Use a coarse threaded screw, wood or machine.
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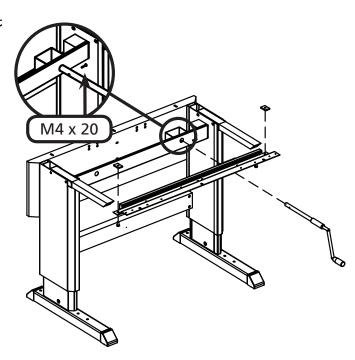
only for table depth 36"

C-Leg Bench Instructions - Handcrank Height Adjustment

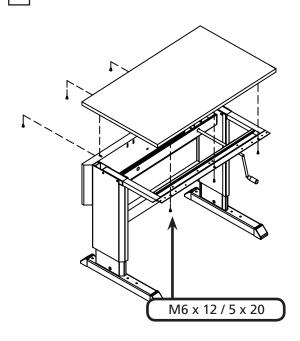












Recommended table top assembly:

- VWR® laminate tops assembled with wood screws provide d
- VWR® phenolic tops can be assembled in 2 ways:
- Mechanical fasteners (screws) Pre-drill a pilot hole in the bottom of the work surface, taking care to keep from penetrating through the top. The pre-drilled hole should be the same length as the screw shaft. The screw should be slightly larger in diameter than the pilot hole. Use a coarse threaded screw, wood or machine.
- Adhesive Use 100% silicon. Apply several "spots" or a continuous bead to the top of the table frame. Position the work surface as centered on the frame and let cure for 12 hrs at room temp.

C-Leg Bench Instructions - Handcrank Height Adjustment

OPERATION CONDITIONS

The table can be used in dry indoor conditions only. It must not be exposed to moisture, corrosives, dust etc. (IP20)

ASSEMBLY

Assemble the table according to the assembly instructions. Any unevenness of the floor can be corrected by turning the adjustment screws in the aluminium table feet.

OPERATION

The permitted loads are shown on the table frame. The table top should be evenly loaded.

MAINTENANCE

The principal parts of the adjustable table need no maintenance. After prolonged driving add some lubrication to components being rubbed or rolled. All screws under tension should be checked occassionally for tightness.

PARTS REQUIRING LUBRICATION

First loosen the plastic covers on the sides of the feet and the table top.

Lifting screws:

Drive the frame to the height of appr. 27.6" and this will expose through the lower holes at the ends of the stand a CM6 lubrication nipple (DIN 71412). Inject some grease, e.g. Mobiltac 81. Drive the frame up and down so that the whole thread is lubricated. If the frame is driven continually with heavy loads, lubrication should be carried out ideally once a month at the very least once a year.

Bronze slide bearings:

Through the upper holes the bearings can be seen. Lubricate the bearings with a few drops of e.g. Mobil Vactra 4 oil. The other bearings can be lubricated from above after loosing the steel cover. Lubricate once a year.

Loading:

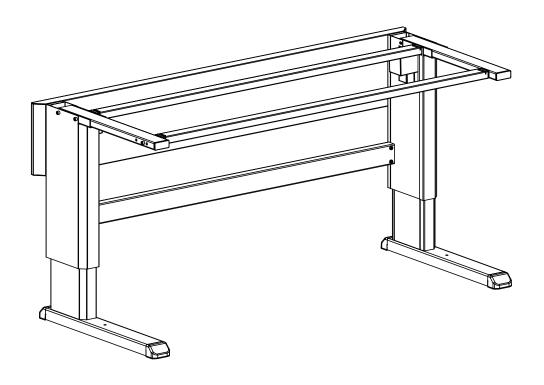
Loading capacity 440 lbs with evenly loaded.

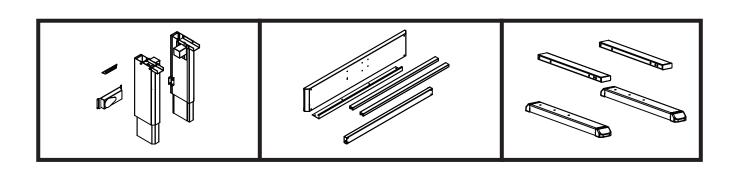
If the table must be adjusted several times, we recommend lighter loads.

Dust the top of the product regularly with a duster or damp cloth. Always use the recommended cleaning equipment and materials in ESD areas. Since dirt on ESD products can reduce their ESD capabilities, remove dirt from the wheels regularly.

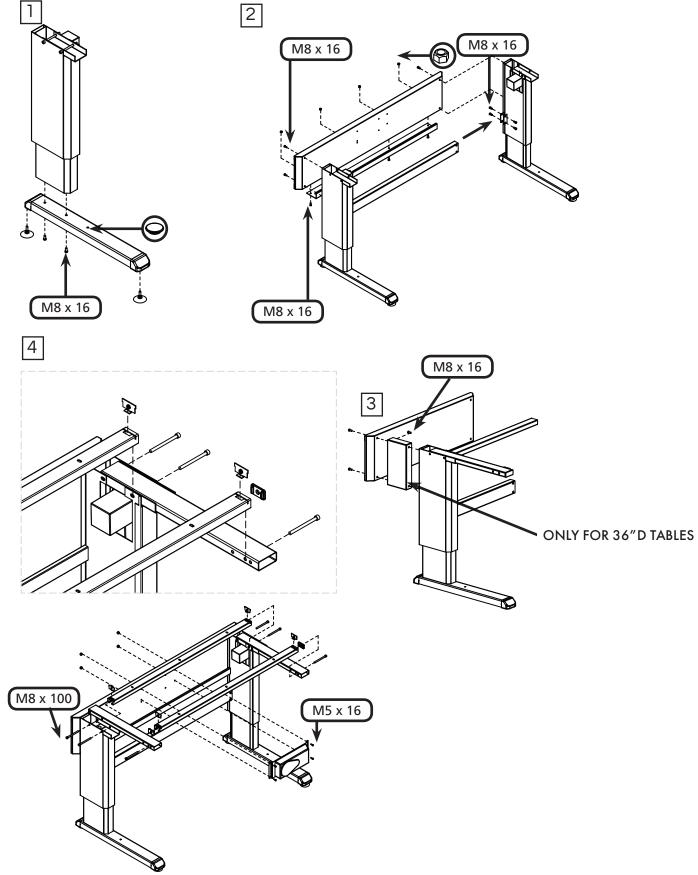


C-Leg Bench Instructions - Motorized Height Adjustment



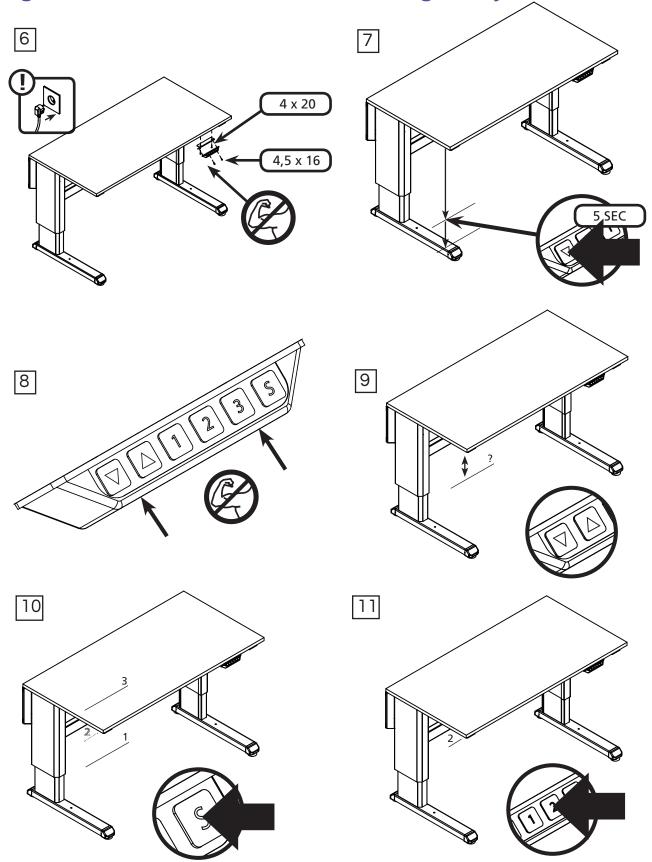


C-Leg Bench Instructions - Motorized Height Adjustment





C-Leg Bench Instructions - Motorized Height Adjustment



C-Leg Bench Instructions - Motorized Height Adjustment

Reset the table: Run the table to the lowest position.

Press down again and hold for a few seconds, until the table resets.

OPERATING CONDITIONS

The table is designed to be used mostly for light assembly in dry indoor conditions. It must not be exposed to moisture, corrosives, dust, etc. (IP20)

VOLTAGE

The table can be connected to an ungrounded network of 230 V/50 Hz or 115 V/60 Hz.

OPERATION

The maximum load capacity is marked on the table frame. The load should be divided evenly on the table top. The table can be raised by pressing the up-arrow button on the manual controller, and lowered by pressing the downarrow button. The duty cycle of the motor (ED%) is 5%.

NOISE LEVEL

The noise level is under 45 dB(A) DS/EN ISO 3746.

MAINTENANCE

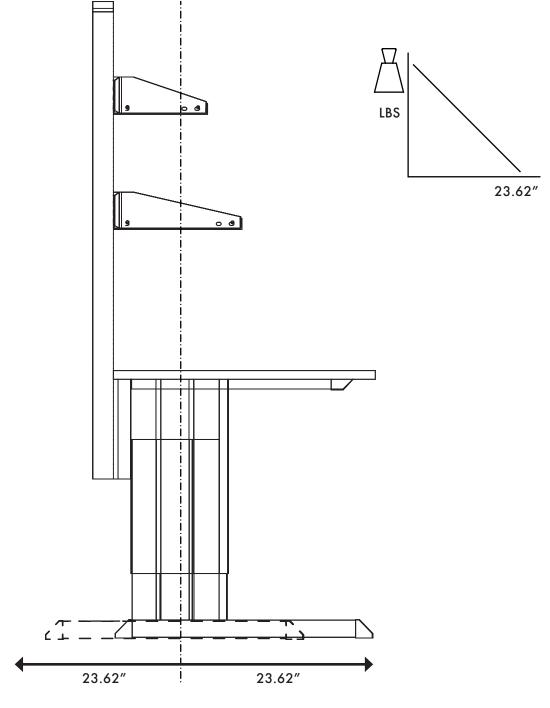
The motors and control unit of the table do not require maintenance. Screw couplings under stress should be shecked at regular intervals. Dust the top of the product regularly with a duster or damp cloth. Always use the recommended cleaning equipment and materials in ESD areas. Since dirt on ESD products can reduce their ESD capabilities, remove dirt from the wheels regularly.

LOADING THE ADJUSTABLE TABLE

Loading capacity 1100 lbs with evenly loaded, nominal load 660 lbs

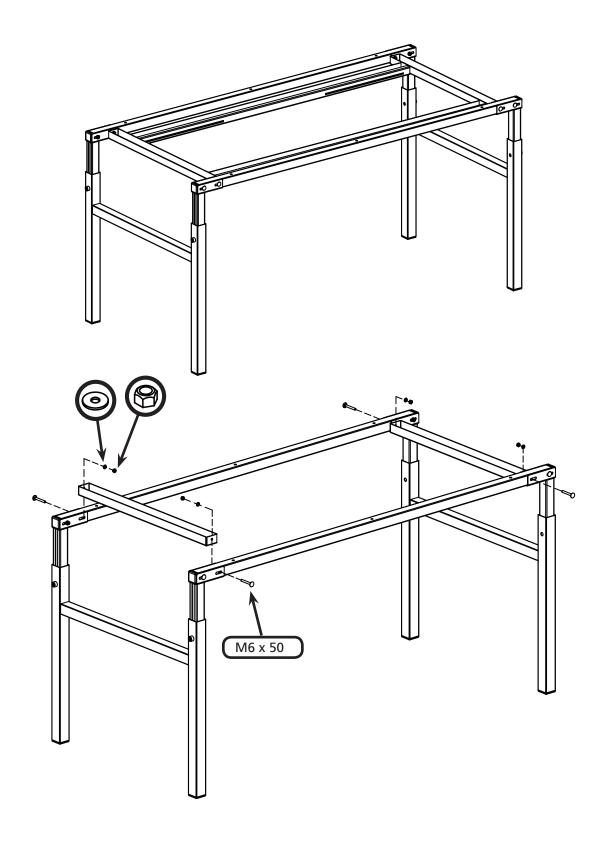
NOTE! Disconnect the machine from electrical network before repairing work.

C-Leg Bench Instructions - Manual/Crank/Motor

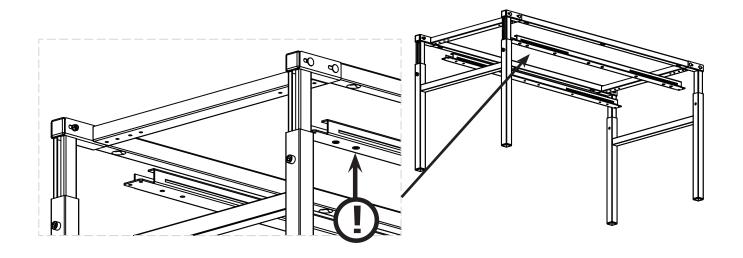


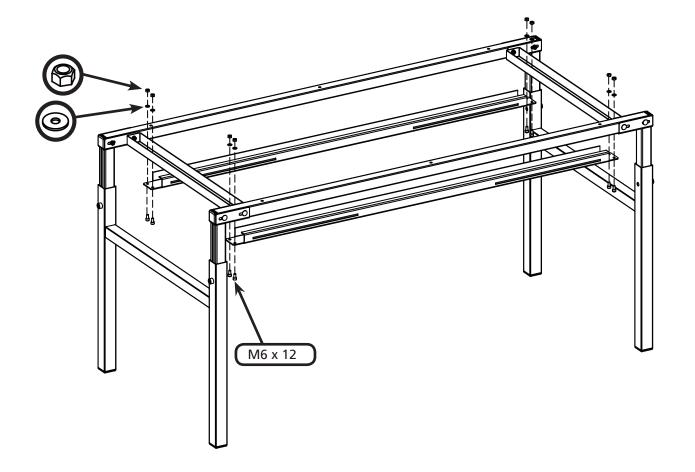
C-LEG FOOT CAN BE ADJUSTED FOR EQUAL WEIGHT DISTRIBUTION OF LOAD ON WORKSURFACE/UPRIGHTS. FOOT CAN BE MOUNTED IN THE MIDDLE OF THE LEG FOR LOADS DISTRIBUTED TOWARD THE BACK OF THE WORKSTATION.

Drawer Mounting Bracket Attachment on 4-Leg Frames

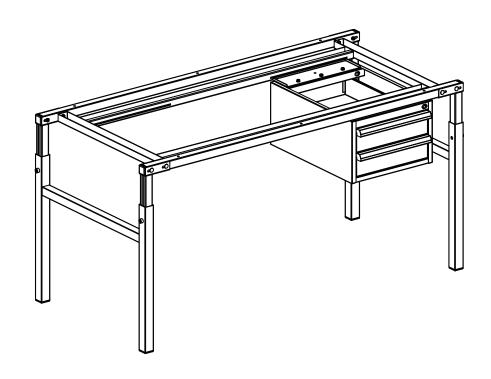


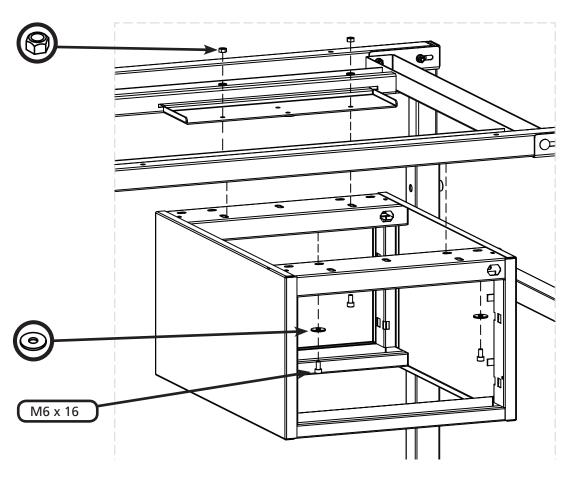






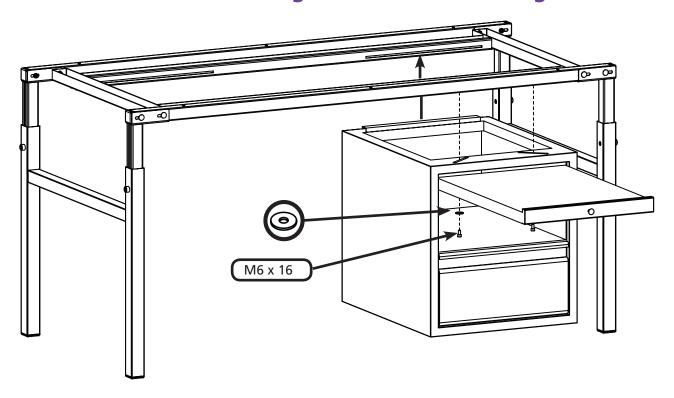
VWR® Drawer Mounting Instructions for 4-Leg Frames



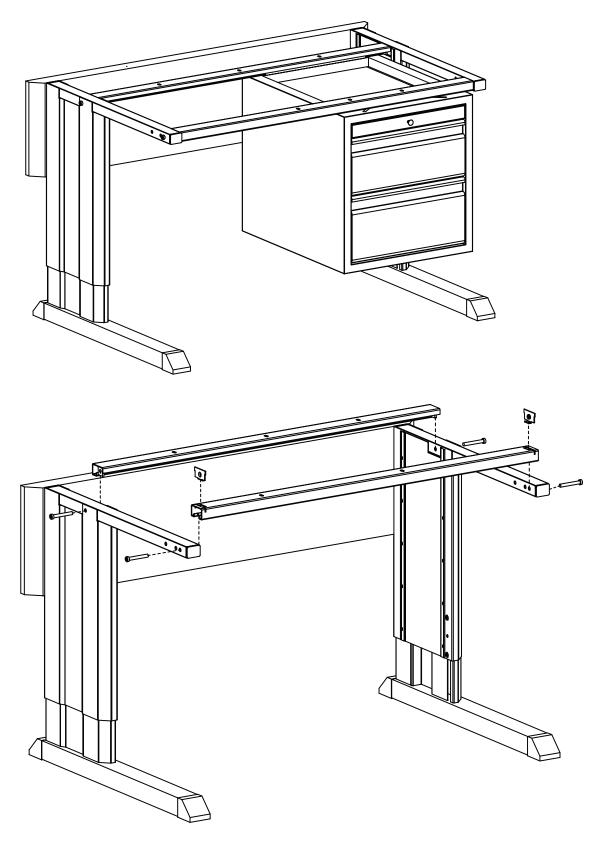




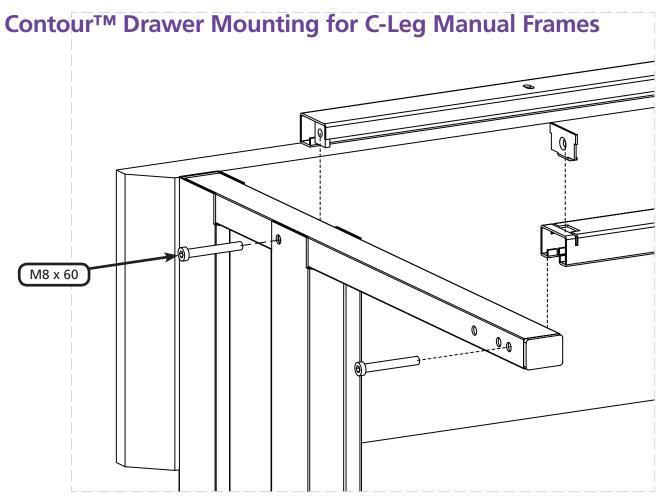
Contour™ Drawer Mounting Instructions for 4-Leg Frames

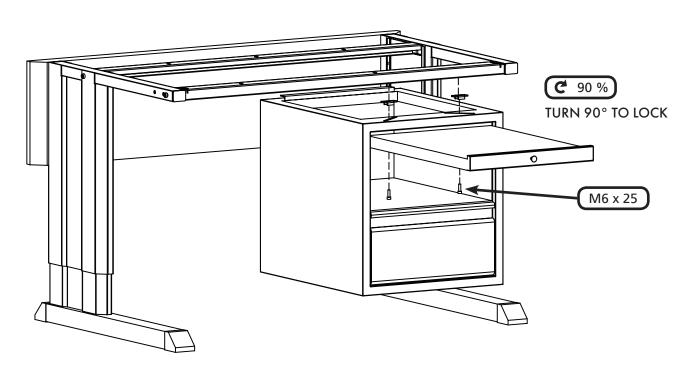


Drawer Mounting Bracket Attachment on C-Leg Manual Frames

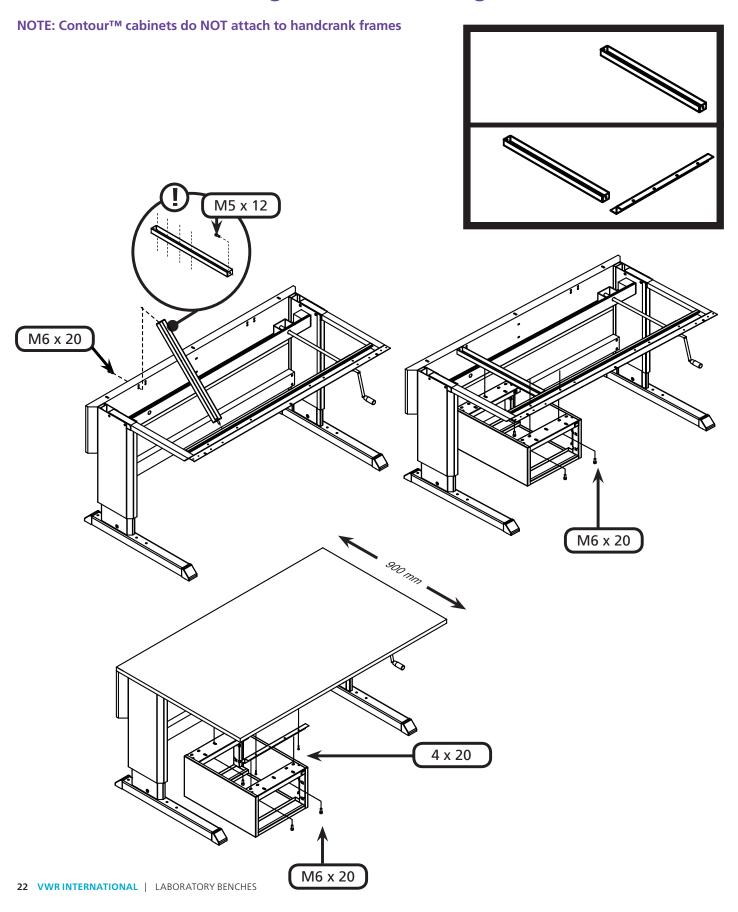






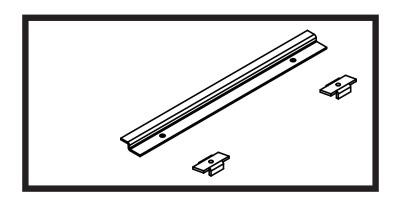


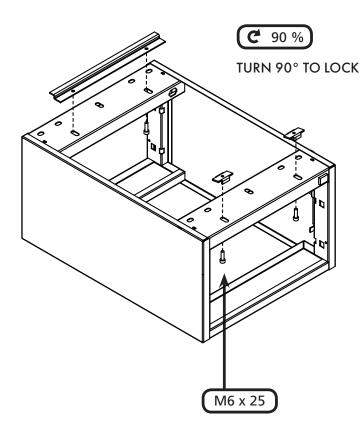
VWR® Drawer Mounting Brackets for C-Leg Handcrank Frames

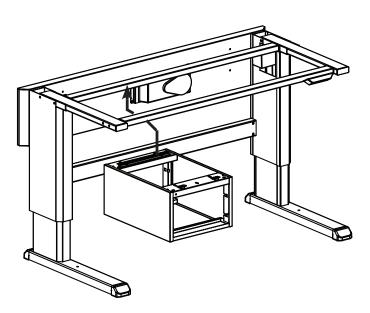




Drawer Mounting Instructions for C-Leg Motorized Frames







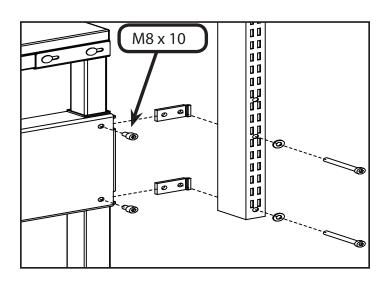
Upright Attachment Instructions

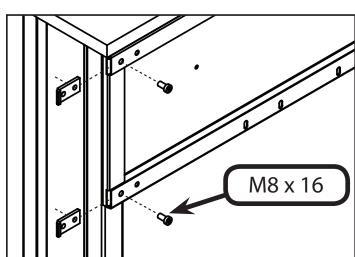
4-Leg

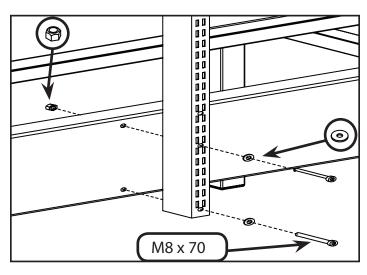


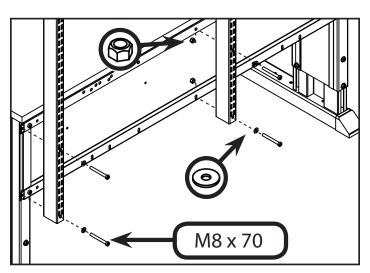
C-Leg



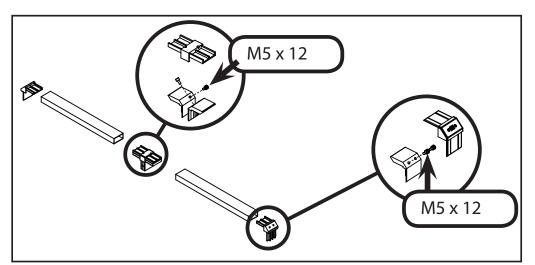


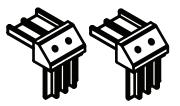




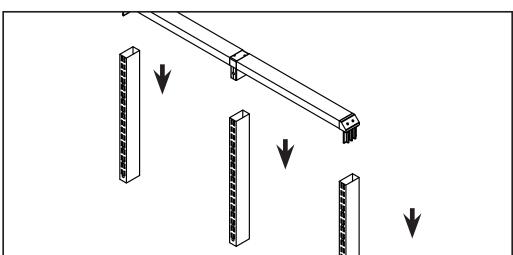


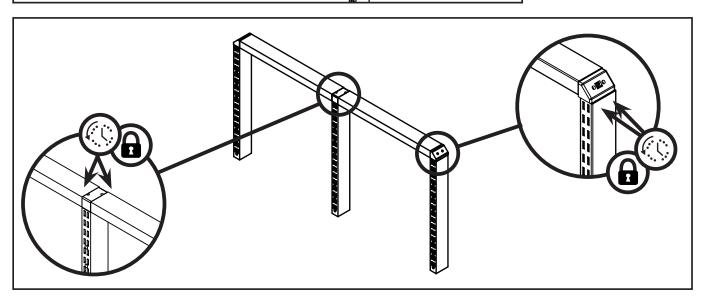
Upright Component Assembly Instructions



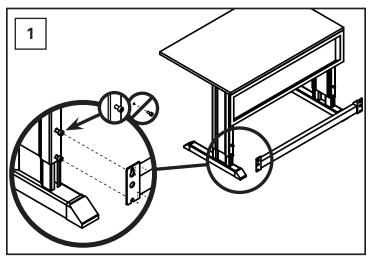




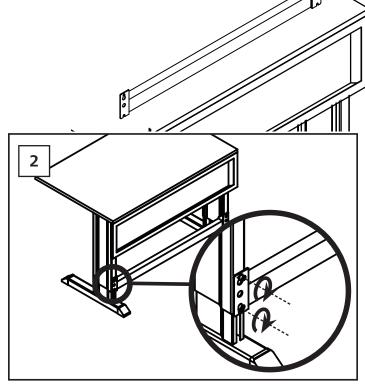




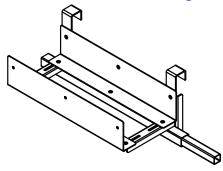


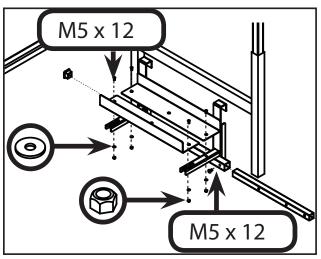


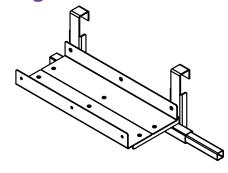
DO NOT FULLY REMOVE BOLT, ONLY LOOSEN ENOUGH TO ALLOW LEG ADJUSTMENT.

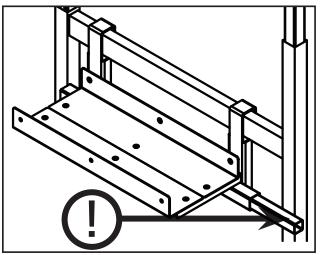


CPU Holder Assembly Instructions - 4-Leg Frame

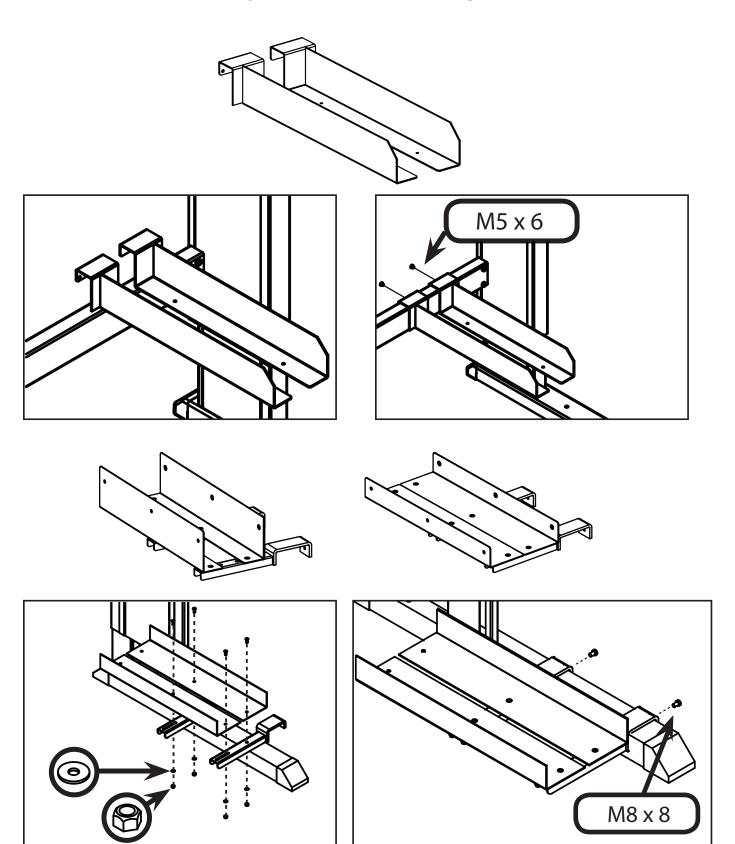






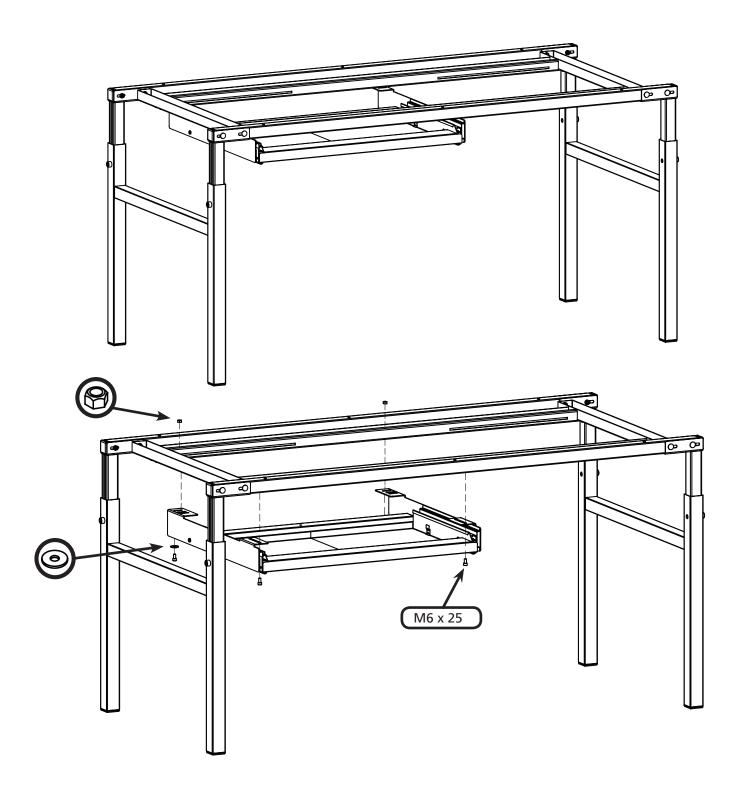


CPU Holder Assembly Instructions - C-Leg Frame



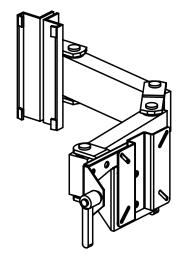
Keyboard Tray Assembly Instructions - 4-Leg Frame

NOTE: 4-Leg Drawer Attachment Bracket is needed for attachment of keyboard tray to 4-leg frame.

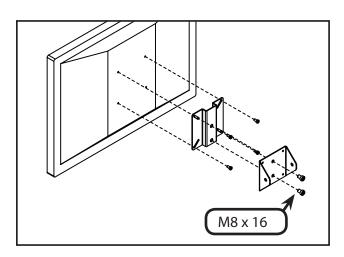


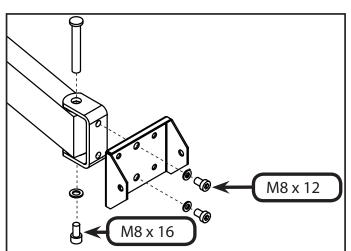
LCD Monitor Arm Assembly Instructions

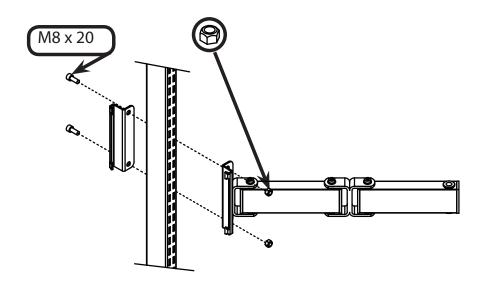




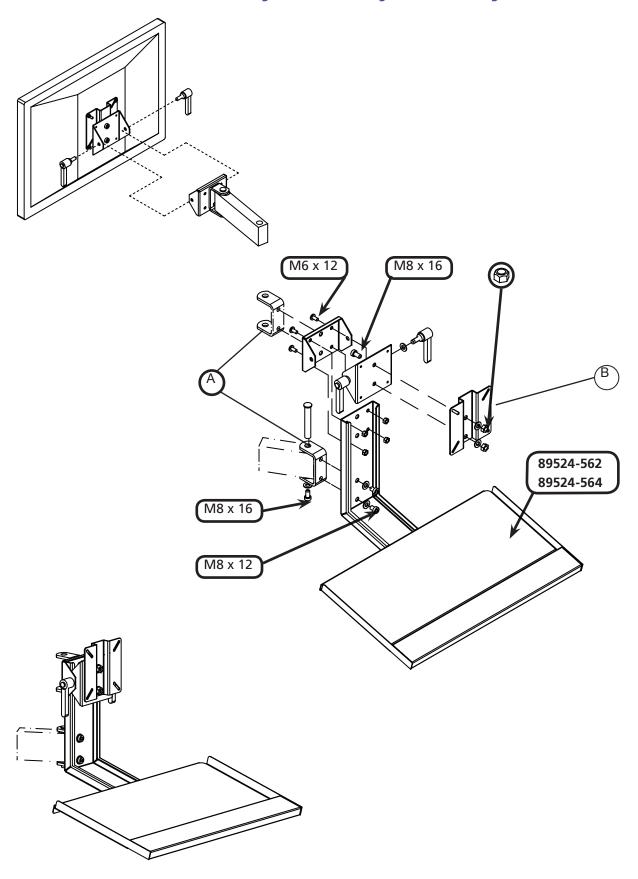




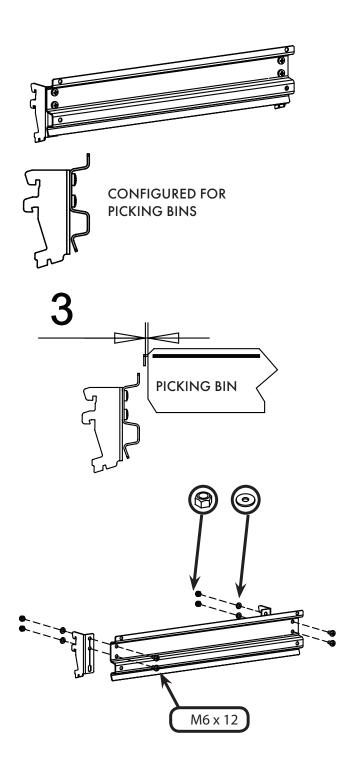


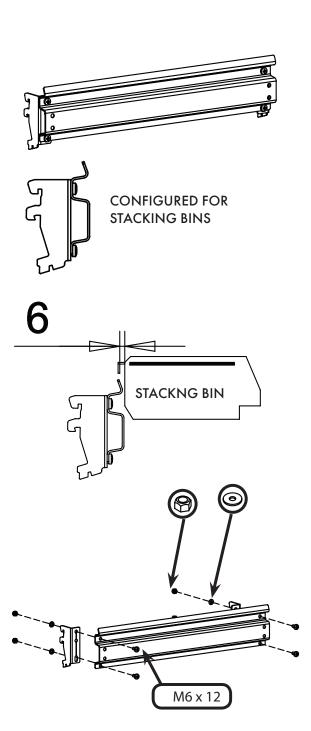


LCD Monitor Arm with Keyboard Tray Assembly Instructions

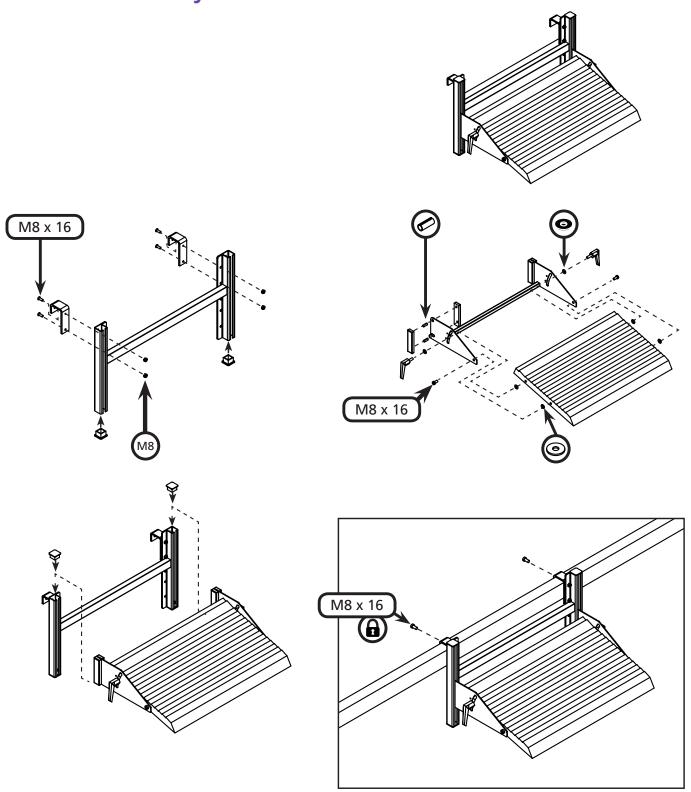


Bin Rail Assembly Instructions

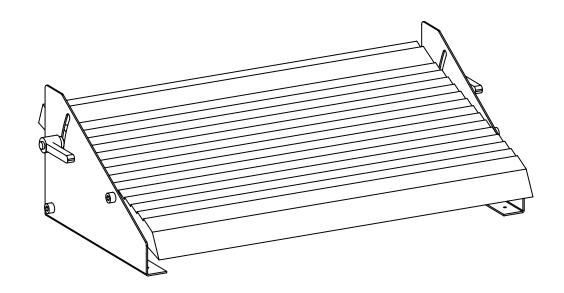


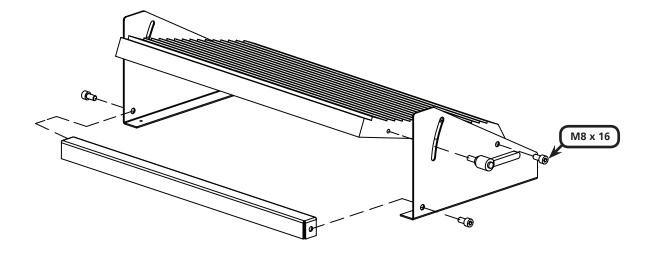


Footrest Assembly Instructions



Footrest Assembly Instructions





Hardware for 4-Leg Frame Assembly

The following hardware is included with the VWR® 4-Leg Frame:

Frame Components:

- (8) M6 nuts
- (8) M6 star washers
- (8) M6 flat washers
- (8) M6 x 45 bolts
- (4) end caps (included in horizontal rails)
- (4) M10 x 20 bolts
- (4) M8 plate nuts
- (4) glides
- (4) glide inserts
- (6) wood screws for worksurface attachment

Upright Attachment Components:

- (4) upright tabs
- (4) M8 x 12 cap screws
- (4) M8 washers



UPRIGHT TABS









CAP SCREWS

M8 WASHERS



Hardware for C-Leg Manual Frame Assembly

The following hardware is included with the VWR® C-Leg Manual Frame:

Frame Components:

- (2) front rail plate inserts
- (2) M8 x 60 bolts
- (6) wood screws
- (4) M8 x 16 Bolts (included on frame legs)
- (4) M8 nuts (included on frame legs)



BOLTS



M8 X 16 BOLTS AND NUTS (INCLUDED ON FRAME LEGS)

Upright Attachment Components:

- (4) upright tabs
- (4) M8 x 12 cap screws
- (4) M8 washers



UPRIGHT TABS



M8 X 12 **CAP SCREWS**

M8 WASHERS

Hardware for C-Leg Handcrank Frame Assembly

The following hardware is included with the VWR® C-Leg Handcrank Frame:

Frame Components:

- (4) M8 x 70 bolts
- (2) plate nuts
- (14) M8 x 16 bolts
- (8) M4 x 20 wood screws
- (4) M8 nuts
- (6) M6 x 12 pan head screws
- (8) M8 flat washers
- (16) hole caps
- (4) glides

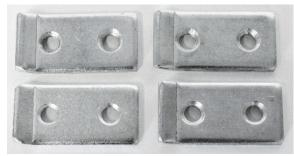
Crank Attachment Components:

- (2) M6 x 12 bolts
- (2) M6 nuts
- (2) M6 flat washers
- (1) M4 x 20 pan head screws
- (1) M4 nut

(4) - upright tabs

Upright Attachment Components:

- (4) M8 x 12 cap screws
- (4) M8 washers









CAP SCREWS

M8 WASHERS

UPRIGHT TABS



M8 NUTS

HOLE CAPS



PLATE NUTS

GLIDES



M8 FLAT WASHERS



M6 X 12 PAN HEAD SCREWS

WOOD SCREWS



M8 X 16 BOLTS



CRANK ATTACHMENT **HARDWARE**

Hardware for C-Leg Motor Frame Assembly

The following hardware is included with the VWR® C-Leg Motor Frame:

Frame Components:

- (4) horizontal rail plate inserts
- (2) zip ties
- (2) black plastic end caps
- (2) white cable management hooks
- (2) spacers for top rail
- (2) M6 x 100 bolts
- (24) M8 x 16 bolts
- (10) M6 x 12 pan head screws
- (8) wood screws
- (4) M5 x 16 pan head screws
- (12) M8 flat washers
- (4) M5 flat washers
- (4) M6 nuts
- (4) M5 nuts
- (4) hole caps

Upright Attachment Components:

- (4) upright tabs
- (4) M8 x 12 cap screws
- (4) M8 washers







CAP SCREWS

M8 WASHERS

UPRIGHT TABS



ZIP TIES







END CAPS







CABLE HOOKS











FRONT RAIL PLATE INSERTS



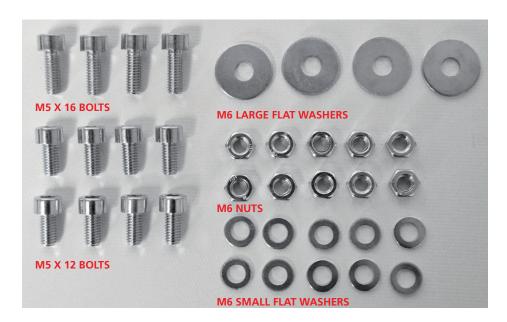




Hardware for 4-Leg Drawer Brackets

The following hardware is included with the VWR® 4-Leg Drawer Mounting Brackets:

- (4) M5 x 16 bolts
- (8) M5 x 12 bolts
- (4) M6 large flat washers
- (10) M6 nuts
- (10) M6 small flat washers



Hardware for 4-Leg Drawer Mounting - VWR® Drawers

The following hardware is for attachment of VWR® drawers to 4-Leg frame:

- (4) M6 x 16 bolts
- (4) M6 nuts
- (4) M6 flat washers





M6 X 16 BOLTS

M6 FLAT WASHERS



Hardware for 4-Leg Drawer Mounting - Contour™ Cabinets

The following hardware is for attachment of Contour™ drawers to 4-Leg frame:

- (4) M6 x 16 bolts
- (4) M6 nuts
- (4) M6 flat washers





M6 X 16 BOLTS

Hardware for C-Leg Manual/Motor Drawer Brackets

The following hardware is included for attachment of the drawer bracket to C-Leg Manual and Motor frames:

(2) - M8 x 60 bolts



M8 X 60 BOLTS

Hardware for C-Leg Crank Drawer Brackets

The following hardware is included for attachment of the drawer bracket to C-Leg Crank frames:

(2) - M6 x 20 pan head screws



M6 X 20 PAN HEAD SCREWS

Hardware for C-Leg Drawer Mounting - VWR® Drawers

The following hardware is for attachment of drawers to C-Leg frame:

- (4) M6 x 25 bolts
- (4) M6 flat washers
- (2) wing nuts
- (1) "Z" bracket





Hardware for C-Leg Manual Drawer Mounting -Contour™ Cabinets

The following hardware is for attachment of drawers to C-Leg frame:

- (4) M6 x 25 bolts
- (4) M6 flat washers
- (2) wing nuts
- (1) "Z" bracket





Hardware for Upright Attachment to Bench Frame

Upright Attachment Components:

- (4) upright tabs
- (4) M8 x 12 cap screws
- (4) M8 washers







UPRIGHT TABS

Hardware for Upright Corner Brackets

The following hardware is included with upright corner bracket pair:

(4) - M5 x 12 bolts



M5 X 12 BOLTS

Hardware for Upright Straight Bracket

The following hardware is included with upright straight bracket:

(2) - M5 x 12 bolts



M5 X 12 BOLTS

Hardware for Transport Skate

The following hardware is included with the transport skate:

- (4) double casters (2 locking, 2 non-locking)
- (4) M10 x 30 bolts
- (4) M10 nuts
- (4) M10 flat washers small
- (4) M10 flat washers large



Hardware for Shelves

The following hardware is included with shelves:

- (4) M8 x 16 bolts
- (4) M8 nuts
- (4) hole caps



M8 X 16 BOLTS AND NUTS



HOLE CAPS

Hardware for Shelf Lips

The following hardware is included with shelf lips:

- (4) M8 x 16 bolts
- (4) M8 nuts



M8 X 16 BOLTS AND NUTS

Hardware for LED Magnetic Mounting Brackets

The following hardware is included with LED magnetic mounting brackets:

(2) - Magnetic clips



DUAL LED MAGNETIC MOUTNING CLIPS

Hardware for CPU Holder C-Leg - Bar Mount

The following hardware is included with CPU holder C-leg bar mount:

• (2) - M4 x 6 pan head screws

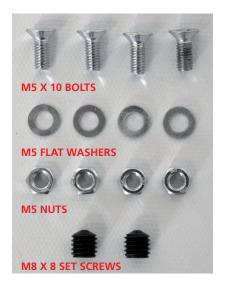


M4 X 6 PAN HEAD SCREWs

Hardware for CPU Holder C-Leg - Leg Mount

The following hardware is included with CPU holder leg mount:

- (4) M5 x 10 bolts
- (4) M5 nuts
- (4) M5 flat washers
- (2) M8 x 8 set screws



Hardware for CPU Holder 4-Leg - Leg Mount

The following hardware is included with CPU holder 4-leg leg mount

- (4) M5 x 12 bolts
- (4) M5 nuts
- (4) M5 flat washers
- (2) square end caps



SQUARE END CAPS



M5 NUTS

Hardware for Articulating Keyboard Tray

The following hardware is included with articulating keyboard tray:

- (4) M6 x 12 bolts
- (4) M6 wing nut



M6 X 12 BOLTS

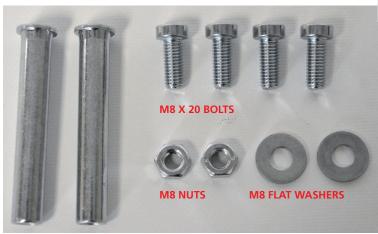


M6 WING NUTS

Hardware for LCD holder with double arm

The following hardware is included with LCD holder with double arm:

- (4) M8 x 20 bolts
- (3) Pins
- (2) M8 x 12 bolts
- (3) M8 x 16 bolts
- (4) M8 nuts
- (7) M8 flat washers
- (2) Plastic bushings
- (2) Adjustable handles



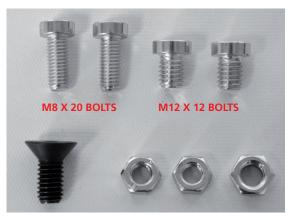


See above hardware for LCD holder with double arm, no additional hardware is needed for attaching a keyboard tray to an LCD arm.

Hardware for Height Adjustable LCD Monitor Arm

The following hardware is included with height adjustable LCD monitor arm:

- (2) M8 x 20 bolts
- (2) M8 nuts
- (2) M12 x 12 bolts
- (1) M10 x 15 hex bolt
- (1) M10 lock nut
- (1) retainer clip
- (5) M5 x 6 flat head screws
- (4) M4 x 12 pan head screws



M10 X 15 HEX **BOLT**

M8 NUTS

M10 LOCK NUT



Hardware for Bag Holder

The following hardware is included with bag holder:

(2) - wood screws



WOOD SCREWS

Hardware for Roll Holder

The following hardware is included with roll holder:

- (2) M6 x 16 bolts
- (2) M8 nuts



M8 X 16 BOLTS AND NUTS

Hardware for Bin Rails

The following hardware is included with bin rails:

- (4) M6 x 12 bolts
- (4) M6 nuts
- (4) M6 washers



M6 X 12 BOLTS





M6 NUTS

M6 FLAT WASHERS

Hardware for Footrest, Floor

The following hardware is included with footrest, floor:

- (4) M8 x 16 bolts
- (2) adjustable handles



M8 X 16 BOLTS





Hardware for Footrest, Floor - Height Adjustable

The following hardware is included with footrest, floor - height adjustable:

- (6) M8 x 16 bolts
- (4) M8 nuts
- (4) M8 washers
- (4) end caps
- (4) spacers
- (2) adjustable handles



Hardware for Footrest, Bar Attachment

SQUARE END CAPS

The following hardware is included with footrest, bar attachment:

- (6) M8 x 16 bolts
- (4) M8 nuts
- (4) M8 washers
- (4) end caps
- (4) spacers
- (2) adjustable handles



SOUARE END CAPS



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