

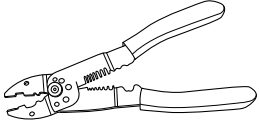
ULINE H-2043

ANTI-STATIC WORKBENCH

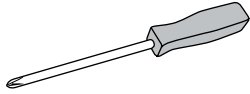
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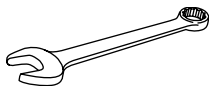
TOOLS NEEDED



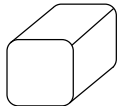
Wire Stripper



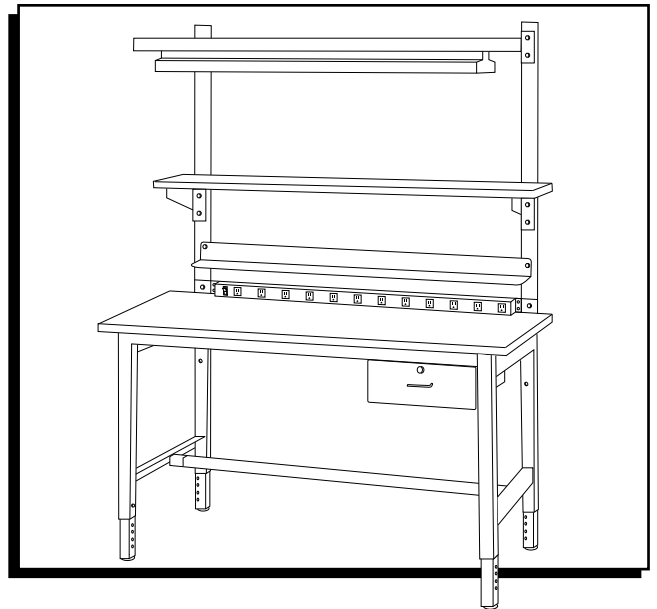
Phillips Head Screwdriver



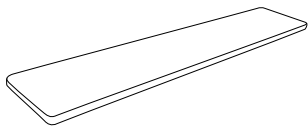
7/16" Wrench



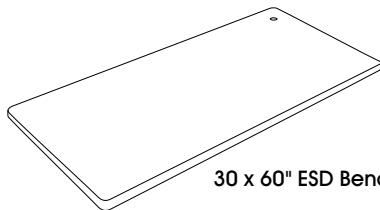
Woodblock (Optional)



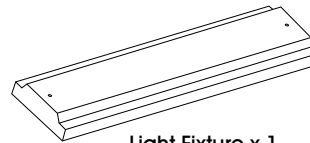
PARTS



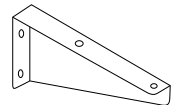
12 x 60" ESD Shelf x 1



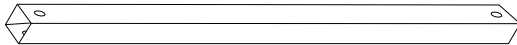
30 x 60" ESD Bench Top x 1



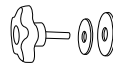
Light Fixture x 1



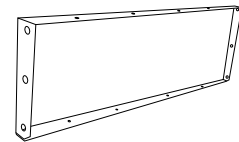
Shelf Support Brackets x 2



Footrest Crossbeam x 1



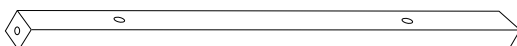
Light Support Crossbeam Knob x 2
Small Plastic Washer (White) x 2
Large Plastic Washer (Black) x 2



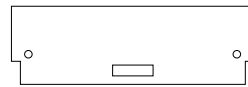
5 x 8 x 1" U Channel (Back Rail) x 1



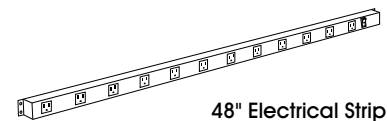
2 x 2 x 1" U Channel (Front Rail) x 1



Light Support Crossbeam x 1



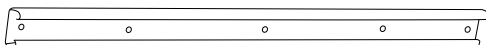
Drawer Front Mounting Plate x 1



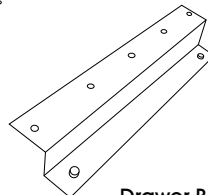
48" Electrical Strip x 1



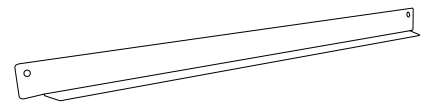
Vertical Upright x 2



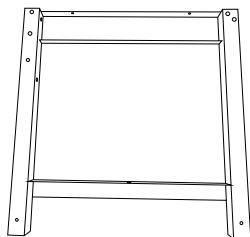
Shelf Support Crossbeam x 1



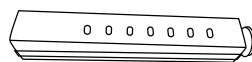
Drawer Back Mounting Plate x 1



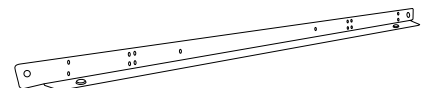
L-Shaped Metal Bin Holder x 1



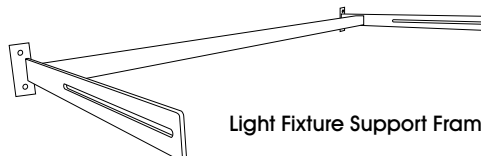
Leg Assembly x 2



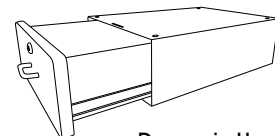
Leg Extender x 4



L-Shaped Electrical Strip Mounting Rail x 1

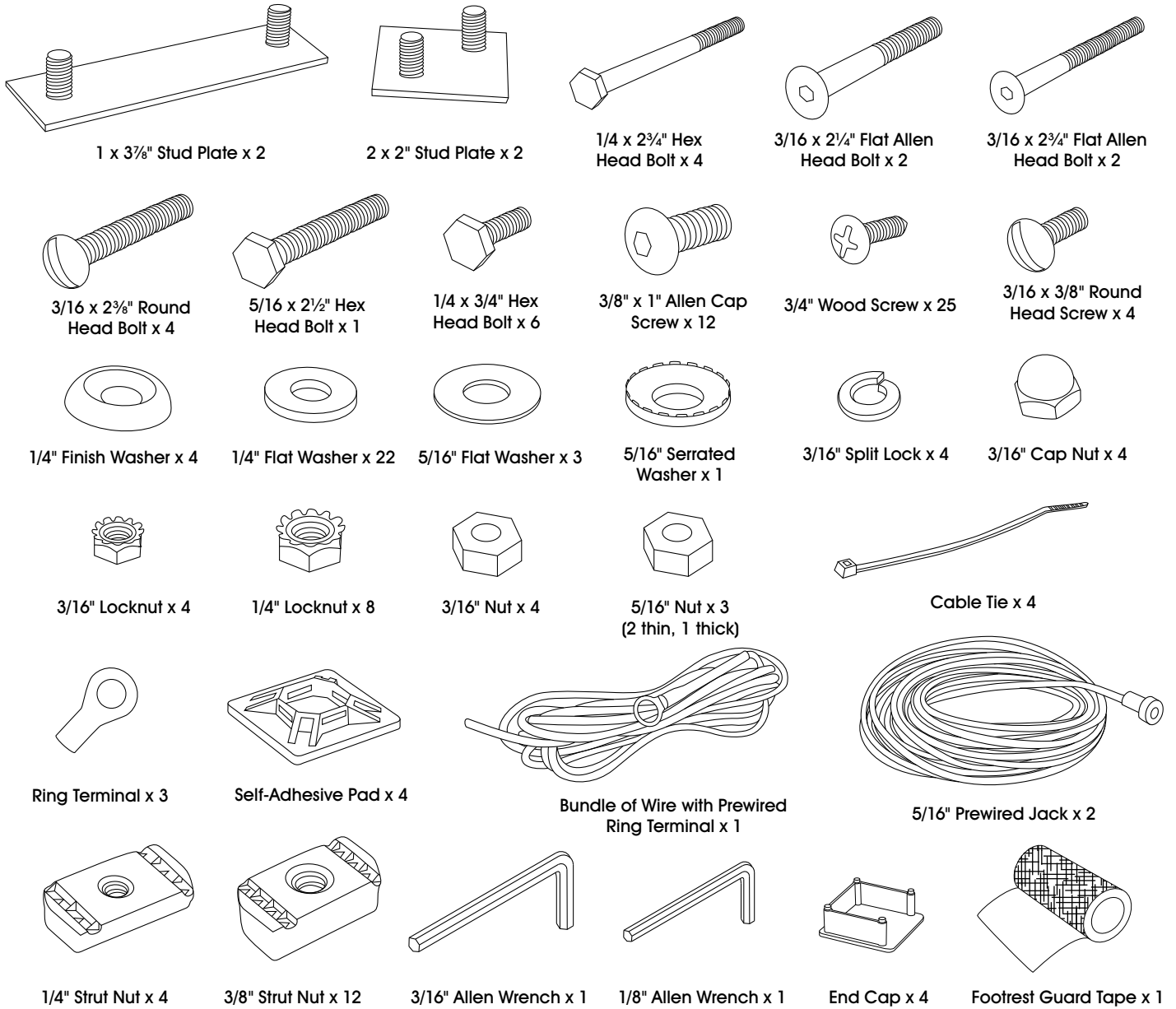


Light Fixture Support Frame x 1



Drawer in Housing x 1

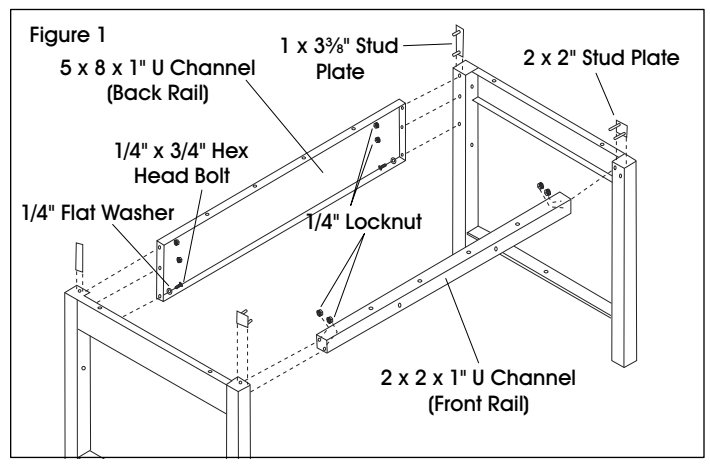
INCLUDED HARDWARE



ASSEMBLY

FRAME ASSEMBLY - HARDWARE BAG A7163 HD BASE

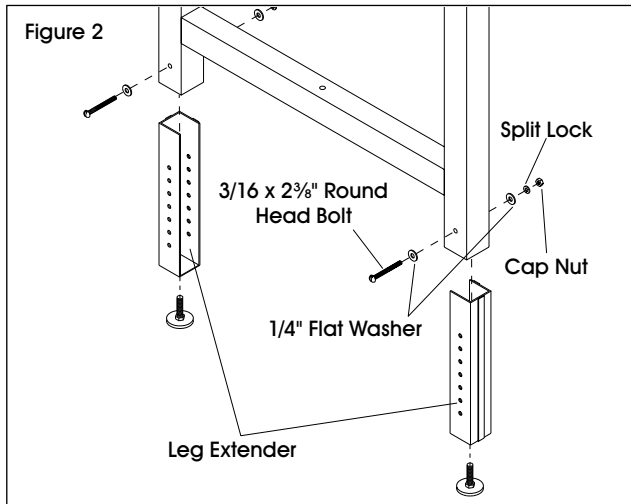
1. Attach 2 x 2 x 1" U channel (front rail) and 5 x 8 x 1" U channel (back rail) to leg assemblies using 2 x 2" and 1 x 3/8" stud plates provided. For each U channel, ensure the side with 4 holes is facing the top of the work bench. (See Figure 1)
2. Loosely screw 1/4" locknuts onto stud plates. Before tightening nuts, make sure the front rail and back rail are flush to the top of the leg assemblies and pushed inward approximately 1/8" to allow the bench top to be mounted properly.
3. Attach the 1/4" x 3/4" hex head bolts and 1/4" flat washers to the lowest holes in the back rail. (See Figure 1)



ASSEMBLY CONTINUED

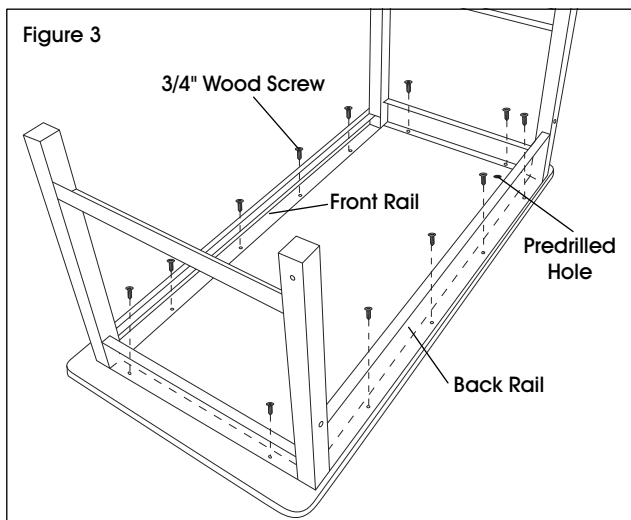
LEG EXTENDER ASSEMBLY - HARDWARE BAG A7164/A7165

1. Slide leg extenders into each leg and insert 3/16 x 2 3/8" round head bolt with 1/4" flat washer at desired height. (See Figure 2)
2. On opposite side of leg extender, slide 1/4" flat washer and split lock onto bolt, attach cap nut and tighten. (See Figure 2)
3. Repeat on all 4 legs.



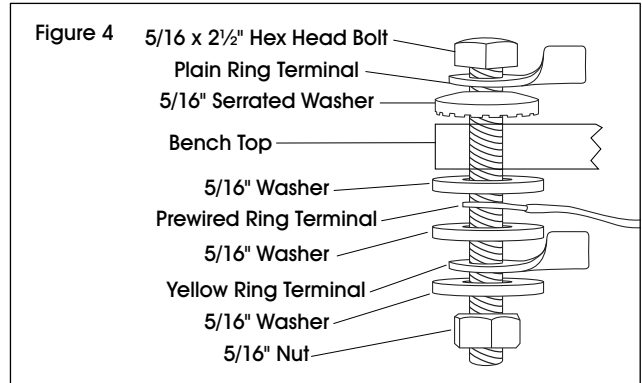
BENCH TOP ASSEMBLY - HARDWARE BAG A7163 HD BASE

1. Place 30 x 60" ESD bench top with the bottom facing up on a protected surface (to protect laminate from scratches).
2. Place assembled frame upside down on top of the bench top. Line frame flush with the back edge of the bench top. The predrilled hole in the bench top should be nearest to the back rail.
3. Screw 3/4" wood screws into all 12 predrilled holes fastening the top to the frame. (See Figure 3)

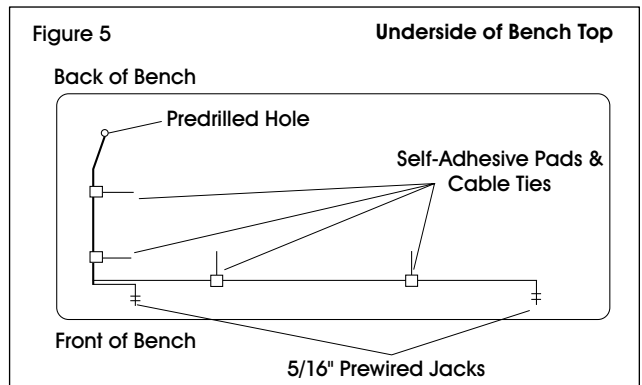


WIRING BENCH TOP - RECLOSABLE HARDWARE BAG

1. Install 5/16 x 2 1/2" hex head bolt through predrilled hole in bench top in the following sequence: insert the plain ring terminal onto the bolt, followed by the 5/16" serrated washer. Insert the bolt into the predrilled hole in the bench top. On the underside of the bench top, install 5/16" washer, prewired ring terminal, 5/16" washer, yellow ring terminal, 5/16" washer and thickest 5/16" nut. (See Figure 4)



2. Tighten 5/16" nut.
3. Insert 5/16" prewired jacks into the two holes in front rail and mount using the two thinner 5/16" nuts.
4. Run wires from 5/16" prewired jacks along underside of bench top using self-adhesive pads and cable ties. (See Figure 4)



5. Pull jack wires towards the yellow ring terminal and cut to appropriate length, leaving approximately 1-2" slack. Strip jack wires 1/4" and install the ring terminal by crimping the terminal with both exposed wires at the same time.
6. Strip end of wire from prewired ring terminal and insert into blue ring terminal. Crimp the blue ring terminal.
7. Install the blue ring terminal to the center of a grounded outlet by attaching to center screw.

 **NOTE:** The workbench should remain upside down after the bench top has been wired.

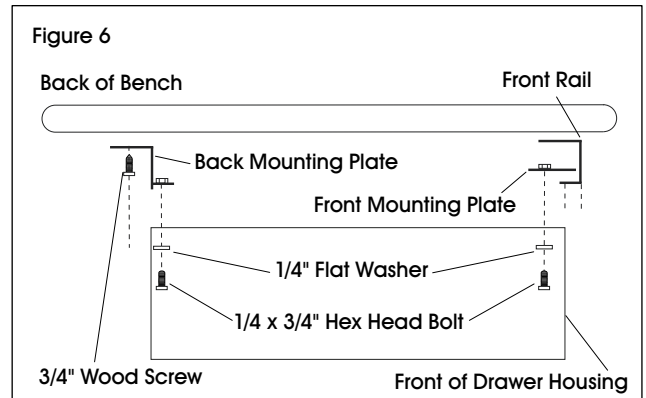
ASSEMBLY CONTINUED

DRAWER ASSEMBLY - HARDWARE BAG HKMDS/POW/DP-1-HD/CHD

1. Pull drawer out as far as possible from housing. Slide the black levers located on both of the drawer's side rails, and pull the drawer completely out from housing.
2. Mount front and back mounting plates to drawer housing using 1/4 x 3/4" hex head bolts and 1/4" flat washers. Tighten bolts on back mounting plate, but leave bolts on front mounting plate loose. (See Figure 6)
3. Set drawer housing a minimum of 1" from the leg and 3/4" set back from the face of the front rail. (See Figure 6)

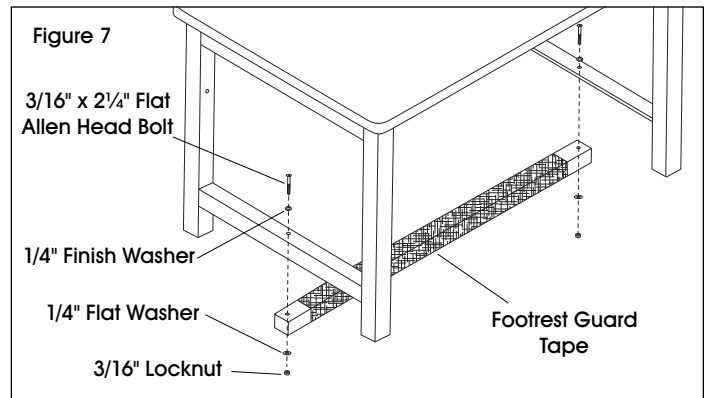
 **NOTE:** The drawer front mounting plate should overlap the front rail by 1".

4. Install five 3/4" wood screws through the predrilled holes in the back mounting plate into the bottom of the bench top. Finally, tighten front mounting plate to secure housing to frame and slide drawer into housing. (See Figure 6)



FOOTREST ASSEMBLY - HARDWARE BAG FRA-HD/TT (A7001)

1. Flip work bench right side up.
2. Peel wax backing off adhesive side of footrest guard tape.
3. Center footrest guard tape along the length of footrest. Firmly press tape to footrest using a wood block to help smooth and adhere footrest guard tape.
4. Attach footrest to leg assemblies using 3/16 x 2 1/4" flat Allen head bolts, 1/4" finish washers, 1/4" flat washers and 3/16" locknuts provided. (See Figure 7)

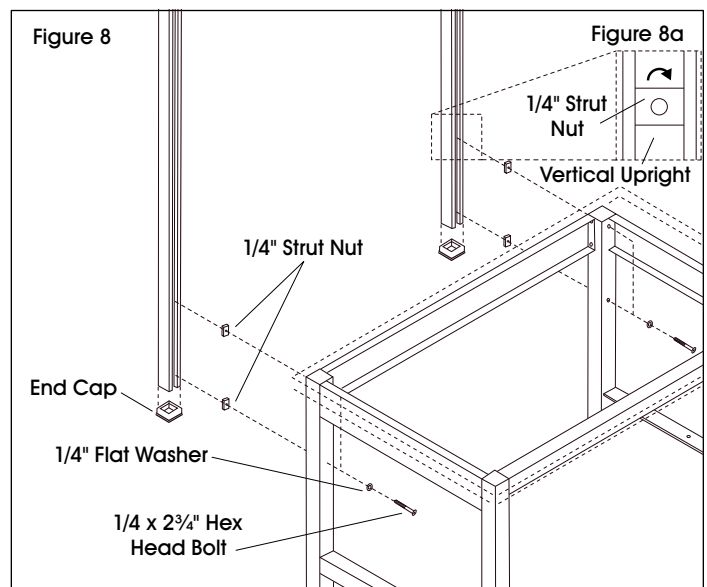


VERTICAL UPRIGHTS ASSEMBLY - HARDWARE BAG HD/CHD/EL/A7087

1. Mount 1/4 x 2 3/4" hex head bolts through both holes of each rear leg with 1/4" flat washers. (See Figure 8)
2. Mount 1/4" strut nuts onto 1/4 x 2 3/4" hex head bolts, turning approximately two threads.
3. Hold vertical uprights against the back of the rear legs and push strut nuts into uprights. Turn strut nuts clockwise and tighten hex head bolts. (See Figure 8a)


 **NOTE:** 12" of the upright must be located below the work surface for stability and safety.

4. Repeat steps on other side.

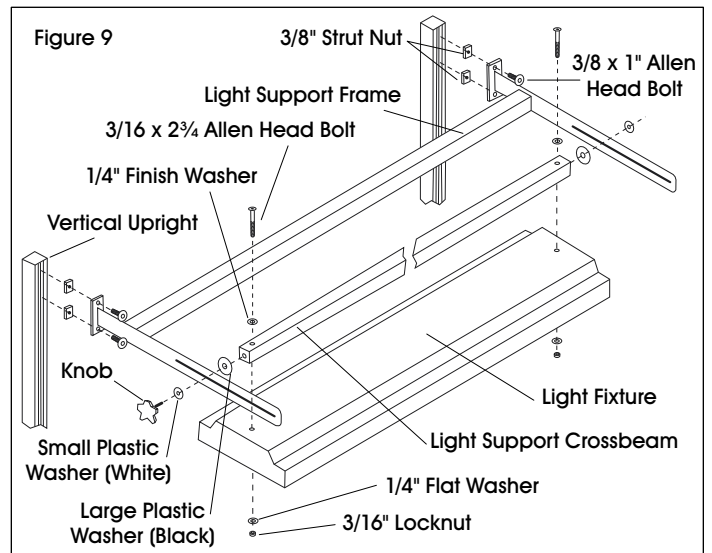


ASSEMBLY CONTINUED

LIGHT FIXTURE ASSEMBLY - HARDWARE BAG OLF/A7078

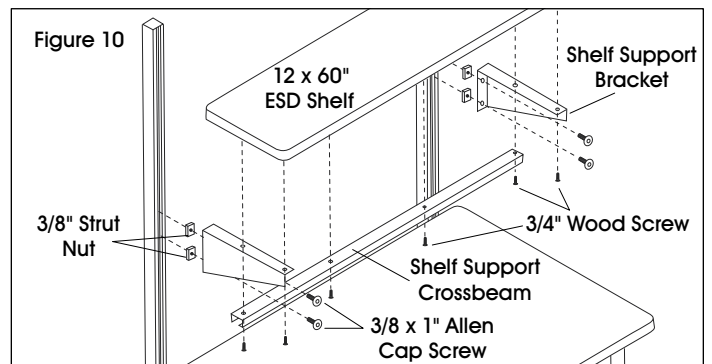
 **NOTE:** Two people are recommended for the light fixture assembly.

1. Attach the light fixture support frame to the vertical uprights using the 3/8 x 1" Allen cap screws and 3/8" strut nuts. (See Figure 9)
2. Attach the light fixture to the light support crossbeam with 3/16 x 2 3/4" Allen head bolts, 1/4" finish washers, 1/4" flat washers and 3/16" locknuts. (See Figure 9)
3. Mount the light support crossbeam to the light support frame using the two knobs, and black and white washers. (See Figure 9)



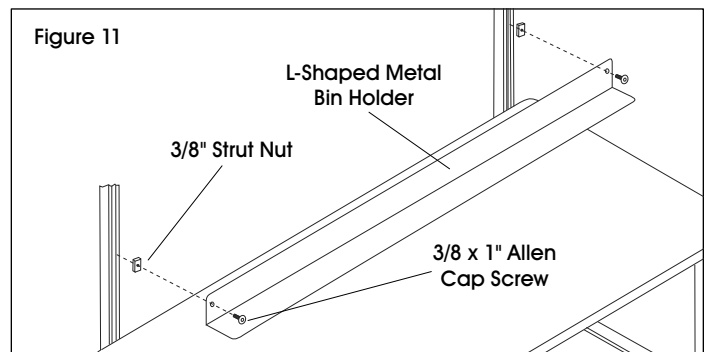
SHELF ASSEMBLY - HARDWARE BAG CPSL/A7042/A7183

1. Choose desired height on vertical uprights and mount shelf brackets using 3/8 x 1" Allen cap bolts and 3/8" strut nuts. (See Figure 10)
2. Lay 12 x 60" ESD shelf on brackets with equal overhang on each side.
3. Install 3/4" wood screws into underside of shelf support crossbeam ends and through shelf support brackets to secure the shelf. (Two people recommended) (See Figure 10)
4. Install remainder of 3/4" wood screws to secure shelf to the shelf support crossbeam. (See Figure 10)



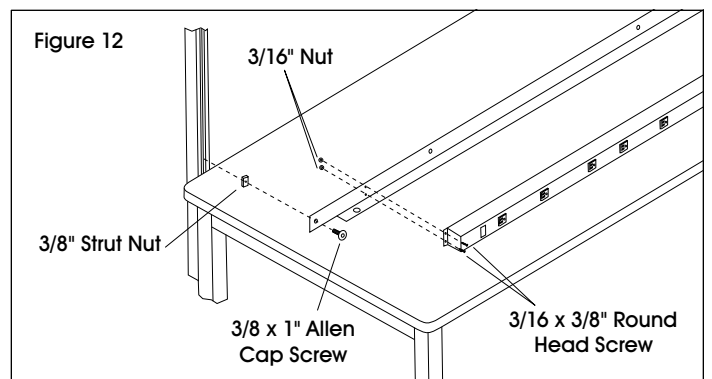
BIN HOLDER ASSEMBLY - HARDWARE BAG BH/MA-1/ABH-1/LOMB

1. Fasten L-shaped metal bin holder to vertical uprights at desired height using 3/8 x 1" Allen cap screws and 3/8" strut nuts. (See Figure 11)



ELECTRICAL STRIP ASSEMBLY - HARDWARE BAG ESMR-HD/EPB/FL

1. Fasten the electrical strip mounting rail to the vertical uprights using 3/8 x 1" Allen cap screws and 3/8" strut nuts. (See Figure 12)
2. Secure the electrical strip to the mounting rail as shown using 3/16 x 3/8" round head screws and 3/16" nuts. (See Figure 12)



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