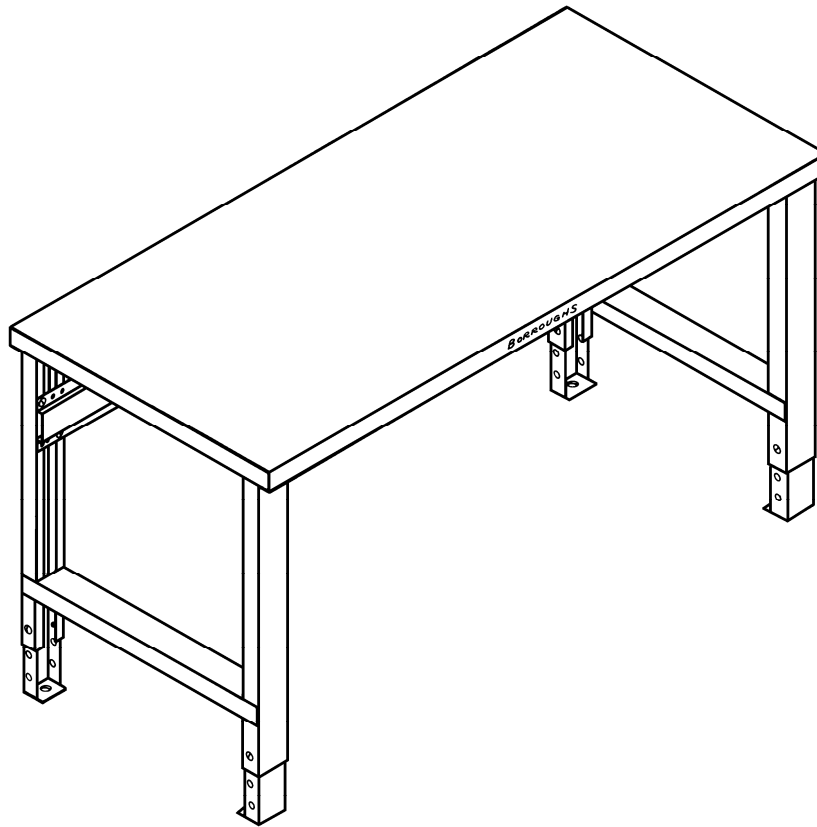


# Assembly Instructions for Basic Work Bench, Continuous Bench with Common Leg and Accessories



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### IMPORTANT - PRODUCT LIABILITY INFORMATION

Read all instructions before proceeding with installation. Vital product information pertaining to proper set-up and cautions are included. Failure to follow these instructions may result in personal injury and/or property damage.

**RETAIN THIS MANUAL FOR FUTURE REFERENCE**

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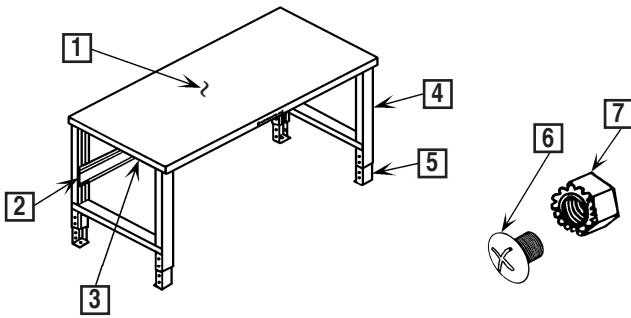
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July 2005

## Basic Work Bench



Parts List "A"		
Item	Description	Req'd.
1	Bench Top	1
2	Stringer	1
3	Leg Attachment Channel	2
4	Leg Weldment	2
5	Adjustable Foot	4
6	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	40
7	.312 (5/16) - 18 Keps Nut	32
8	.312 (5/16) - 18 Weldnut	8

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

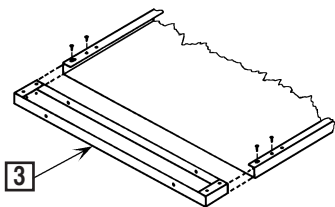


FIGURE 1

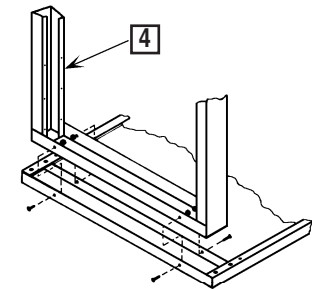


FIGURE 2

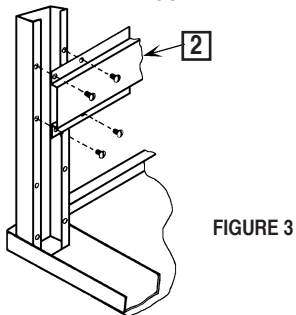


FIGURE 3

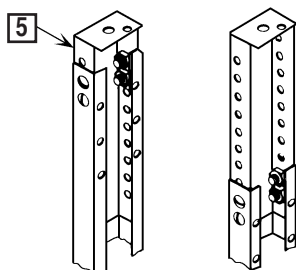
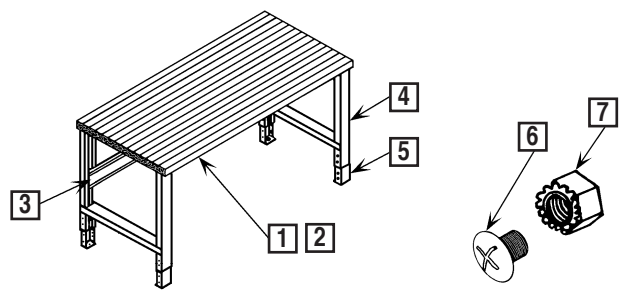


FIGURE 4

1. Lay bench top (Item 1) upside down on a flat surface.
2. Insert leg attachment channel (Item 3) into bench top with the open area of channel facing upward. Position attachment channel so that the holes in the end flanges are in line with the oval and first hole in the front and back flanges of the bench top. Fasten channel to bench top with (4) screws and nuts (Items 6 & 7) as provided in the hardware pack. See Figure 1. Repeat procedure at the other end.
3. Stand leg weldment (Item 4) in place. (Leg fits inside attachment channel). Position leg so that holes in the sides of the leg weldment are in line with the holes in the sides of the attachment channel. Loosely fasten leg and channel together with (4) screws and nuts (Items 6 & 7) as provided. See Figure 2. Repeat procedure at the other end.
4. The stringer (Item 2) is to be attached so the legs along the back edges of bench. (BORROUGHS is stamped on the front edge of Bench). Position stringer so that the holes in the end of the stringer are in line with the holes in the leg. Fasten stringer to leg with (4) screws and weldnuts (Items 6 & 8) as provided. See Figure 3. Repeat procedure at the other end. Tighten screws holding leg weldments and attachment channels together.
5. Insert adjustable foot (Item 5) into leg so that the holes in the sides of the foot are aligned with the holes in the sides of the leg. At the desired height, fasten foot to leg with (4) screws and nuts (Items 6 & 7) as provided. See Figure 4. Repeat procedure for the other legs.

This completes assembly of the Basic Work Bench. Put bench in upright position.

## Work Bench with an All-Wood Top



Parts List "B"		
Item	Description	Req'd.
1	Maple Wood Top	1
2	Multi-Duty Wood Top	1
3	Stringer	1
4	Leg Weldment	2
5	Adjustable Foot	4
6	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	24
7	.312 (5/16) - 18 Keps Nut	16
8	.312 (5/16) - 18 Weldnut	8

Tools Required: 1. Drill with 1/4" Drill Bit  
2. Phillips Screwdriver  
3. 1/2" Open End or Box Type Wrench

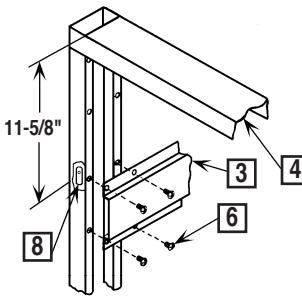


FIGURE 5

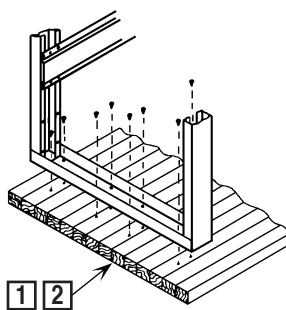


FIGURE 6

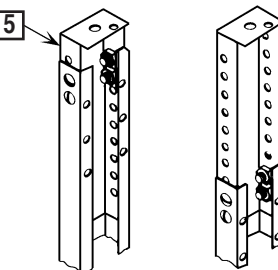


FIGURE 7

1. The stringer (Item 3) is to be attached to the leg weldment (Item 4). Position the stringer so that the holes in the end of the stringer are in line with the holes in the legs; located approximately 11-5/8" down from the top of the leg weldment. Fasten the stringer to the leg with (4) screws and weldnuts (Items 6 & 8) as provided. See Figure 5. Repeat procedure at the other end.
2. Lay bench top (Item 1 or 2) upside down on a flat surface.
3. Place the leg weldment and stringer assembly upside down on the bench top. The stringer should be placed toward the back edge of the bench top. Position the leg weldment and stringer assembly so it is centered on the bench top and the legs are parallel to the ends of the bench. Use the leg weldments as templates and drill (8) 1/4" pilot holes x 1" deep for the lag screws at each end of the bench top. Fasten the leg weldment and stringer assembly to the bench top with (16) .312 (5/16") x 1" lag screws. See Figure 6. Lag screws are not furnished by manufacturer.
4. Insert adjustable foot (item 5) into leg so that the holes in the sides of the foot are aligned with the holes in the sides of the leg. At the desired height, fasten foot to leg with (4) screws and nuts (Items 6 & 7) as provided. See Figure 7. Repeat procedure for the other three legs.

This completes assembly of the Work Bench with an All-Wood Top. Put bench in upright position.

# Continuous Bench with Common Leg

Benches over six feet long may be obtained by placing end to end, a starter unit and an add-on unit. Each add-on unit contains one bench top, one stringer, one leg attachment channel, one leg weldment and two adjustable feet (respectively Items 1, 2, 3, 4 & 5), and associated hardware (Items 6 & 7).

Parts List "A"		
Item	Description	Req'd.
1	Bench Top	1
2	Stringer	1
3	Leg Attachment Channel	2
4	Leg Weldment	2
5	Adjustable Foot	4
6	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	40
7	.312 (5/16) - 18 Keps Nut	32
8	.312 (5/16) - 18 Weldnut	8

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

- Lay bench tops (Item 1) upside down on a flat surface, end to end.
- Insert leg attachment channel (item 3) into bench tops. Position channel so that the holes in the end flanges are in line with the oval in each of the bench tops, where the tops are end to end. Fasten channel to the tops with (4) screws and nuts (Items 6 & 7) as provided. See Figure 8. (NOTE: Item 3 is shown exploded from Item 1 for clarity).
- Fasten end flanges of attachment channels to bench top as stated in Step 2 of the Basic Work Bench instructions (see page 2). Assemble one each end.
- Fasten leg weldments (Item 4) to attachment channels as stated in Step 3 of the Basic Work Bench instructions (see page 2). Fasten one on each end and one on the common attachment channel.
- The stringer (Item 2) is to be attached to the legs along the back edge of unit. (BOR-ROUGHS is stamped on the front edge of unit). Position stringer so that the second set of holes are in line with the two holes in the inside of the leg. Fasten stringer to leg with (2) screws and weldnuts (Items 6 & 8) as provided. The second stringer is to be fastened to the other side of the leg in the same manner. See Figure 9. The other ends of the stringers are attached as stated in Step 4 of the Basic Work Bench instructions (see page 2). Tighten screws holding leg weldments and attachment channels together.
- Fasten adjustable feet to legs as stated in Step 5 of the Basic Work Bench instructions (see page 2). Fasten one foot to each leg.

This completes assembly of the Continuous Bench with Common Leg. Put bench in upright position.

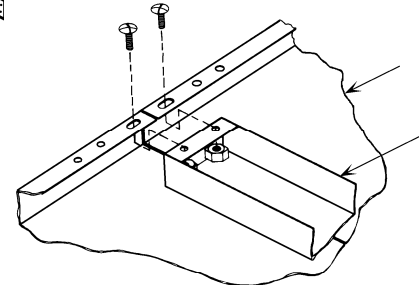
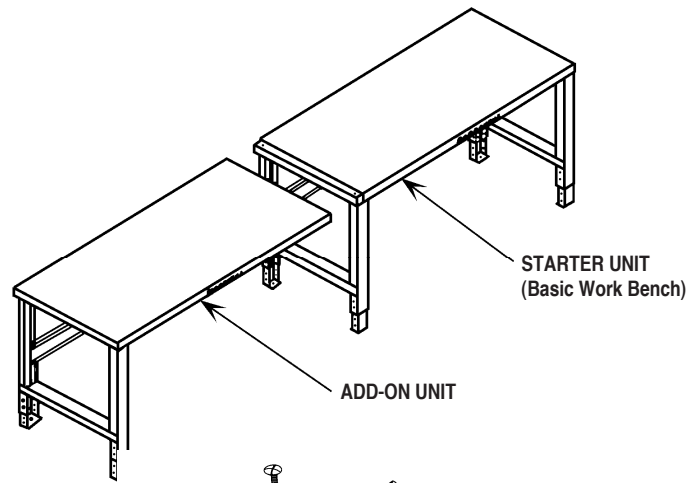


FIGURE 8

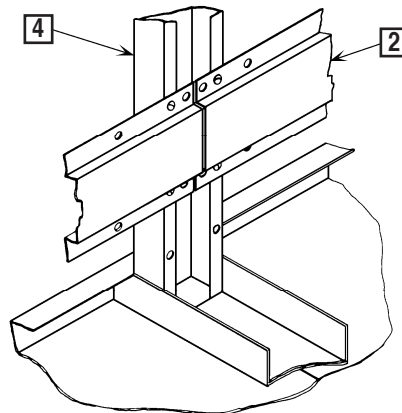


FIGURE 9

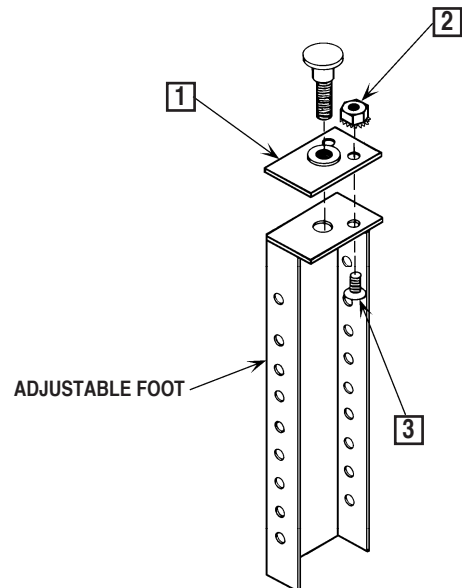
# Leveler Foot Plate

Parts List "C"		
Item	Description	Req'd.
1	Foot Plate Assembly	2 pair
2	.312 (5/16) Keps Nut	4
3	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	4

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

- Lay work bench upside down on a flat surface.
- Position the foot plate assembly (Item 1) so that the tee nut and leveling screw align with and fits into the center hole in the bottom flange of the adjustable foot. The hole in the corner of both the foot plate assembly and the adjustable foot should also be in line with each other. Fasten the foot plate assembly to the adjustable foot with (1) screw and nut (Items 2 & 3) as provided. Repeat procedure to the other legs of the unit.
- Place work bench in upright position. Adjust leveling screws until work bench is at the desired leveled position.

This completes assembly of the Leveler Foot Plate.



## Shelf for Basic Work Bench

Parts List "D"		
Item	Description	Req'd.
1	Bench Shelf	1
2	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	4
3	.312 (5/16) - 18 Keps Nut	4

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

Place the shelf (Item 1) on the shelf supports between the legs of the work bench with the back edge of the shelf (the edge with the 90° flange is the back) approximately .062 (1/16") from the back legs of the work bench. Position shelf so the two inner holes on each end of the shelf are in line with the two inner holes of each shelf support. Fasten the shelf to the shelf supports with (4) screws and nuts (Items 2 & 3) as provided, two each end. See Figure 10.

This completes the Shelf assembly for the Basic Work Bench.

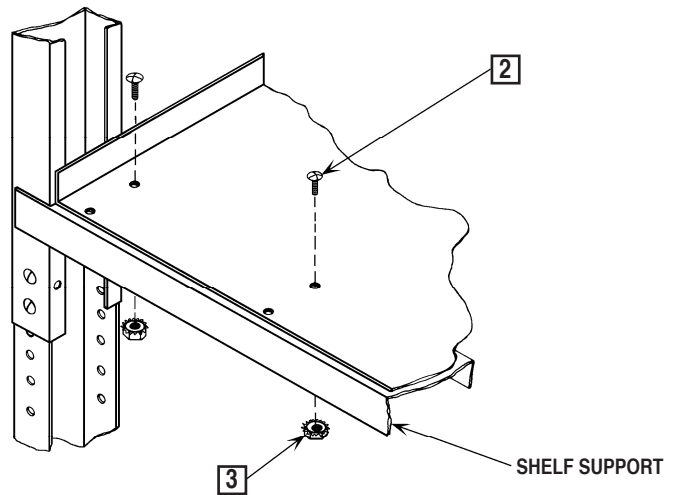
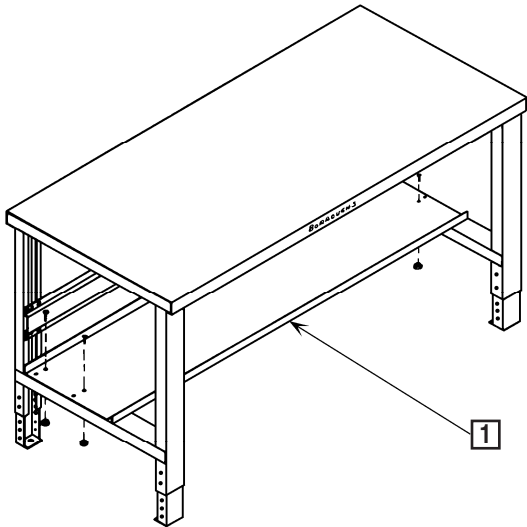


FIGURE 10

## Shelf for Continuous Bench with Common Leg

NOTE: Refer to **Parts List "D"** for parts required in this assembly.

1. Place the shelf (Item 1) on the shelf supports between the legs of the work bench with the back edge of the shelf (the edge with the 90° flange is the back) approximately .062 (1/16") from the back legs of the work bench. Position shelf so the two inner holes, in the end of the shelf on the shelf support, are in line with the two inner holes of the shelf support.
2. The two outer holes, in the shelf end that is on the common shelf support, are to be aligned with the two inner holes in the common shelf support. See Figure 11. Fasten shelf to the shelf supports with (4) screws and nuts (Items 2 & 3) as provided. Repeat procedure with the other shelf on the other side of the common shelf support.
3. If more than two benches will be strung together in a continuous row, with a common leg between each, the two outer holes in the shelf will always align with the respective inner holes in the common shelf support.

This completes the Shelf assembly for the Continuous Work Bench with Common Leg.

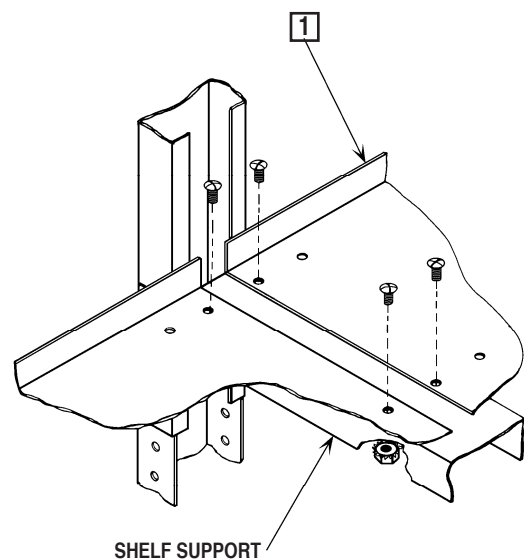


FIGURE 11

## Footrest for Basic Work Bench

Parts List "E"		
Item	Description	Req'd.
1	Footrest	1
2	.250 (1/4) - 20 x 2" Phillips T.H.M.S.	2
3	.250 (1/4) Flat Washer	2
4	.250 (1/4) - 18 Keps Nut	2

Tools Required: 1. Phillips Screwdriver  
2. 7/16" Open End or Box Type Wrench

Place the footrest (Item 1) on the shelf supports between the legs of the work bench with the open area of the footrest channel facing downward. See Figure 12. Position footrest so that the inner holes, in each end of the footrest, are in line with the inner holes in each shelf support. (NOTE: The footrest can be positioned at any one of the four hole locations in the shelf supports). Fasten the footrest to the shelf supports with (2) screws, washers and nuts (Items 2, 3 & 4) as provided, one each end. See Figure 12.

This completes the Footrest assembly for the Basic Work Bench.

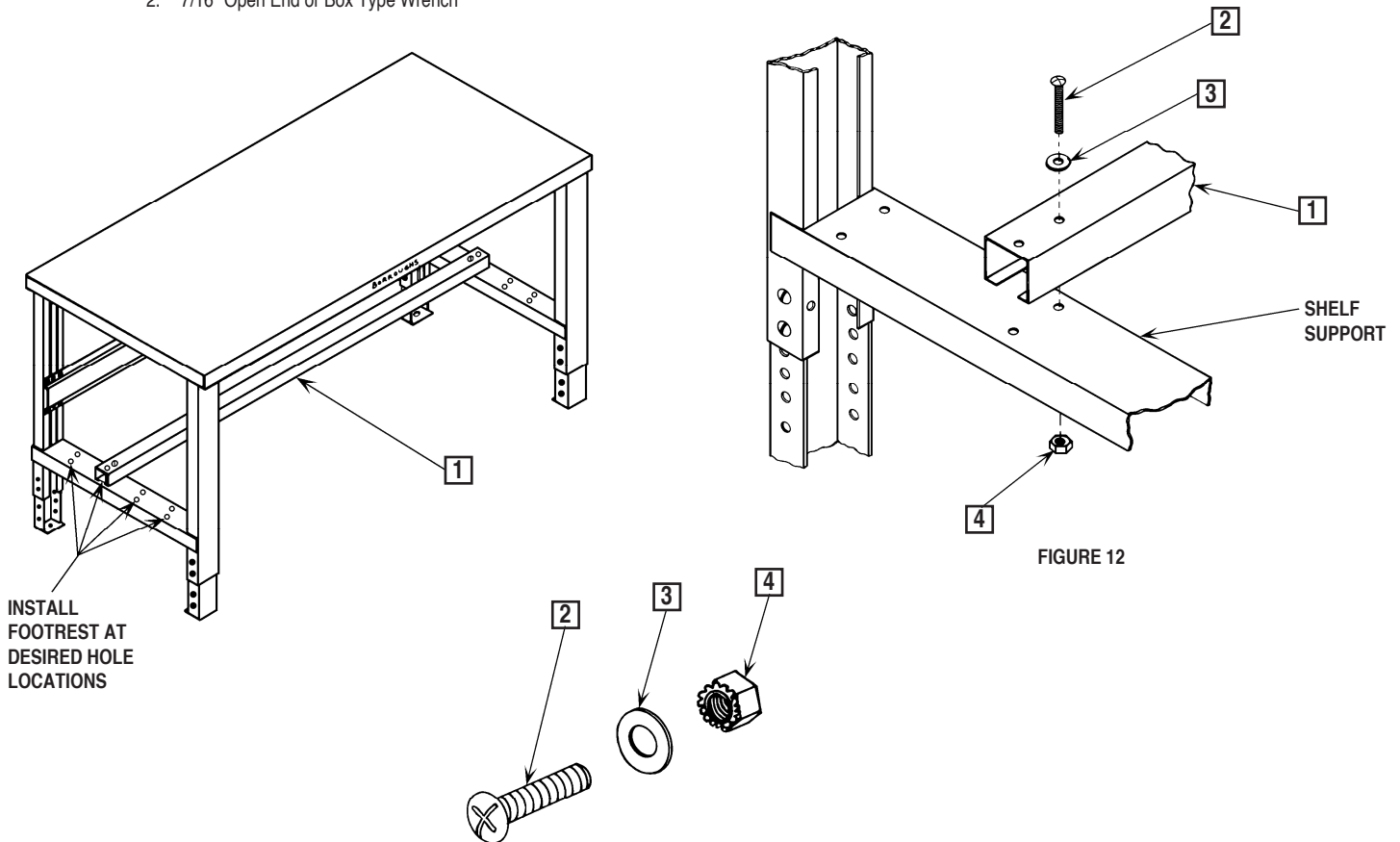


FIGURE 12

## Footrest for Continuous Bench with Common Leg

NOTE: Refer to **Parts List "E"** for parts required in this assembly.

- Place the footrest (Item 1) on the shelf supports between the legs of the work bench with the open area of the footrest channel facing downward. Position footrest so that the inner hole, in the end of the footrest on the end shelf supports, is in line with the inner hole of the shelf support.
- The outer hole, in the footrest end, that is sitting on the common shelf support is to be aligned with the inner hole in the common shelf support. See Figure 13. (NOTE: The footrest can be positioned at any one of the four hole locations on the shelf supports). Fasten the footrest to the shelf supports with (2) screws, washers and nuts (Items 2, 3 & 4) as provided. Repeat procedure with the other footrest on the other side of the common shelf support.
- If more than two benches will be strung together in a continuous row, with a common leg between each, the outer hole in the footrest will always align with the respective inner hole in the common shelf support.

This completes the Footrest assembly for the Continuous Work Bench with Common Leg.

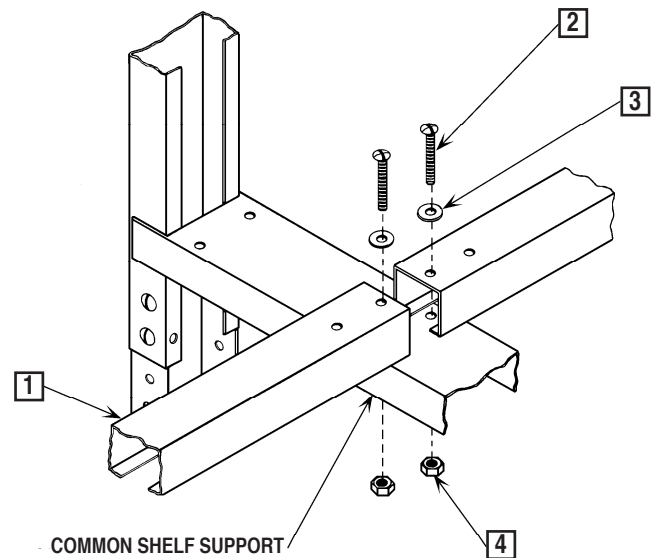


FIGURE 13

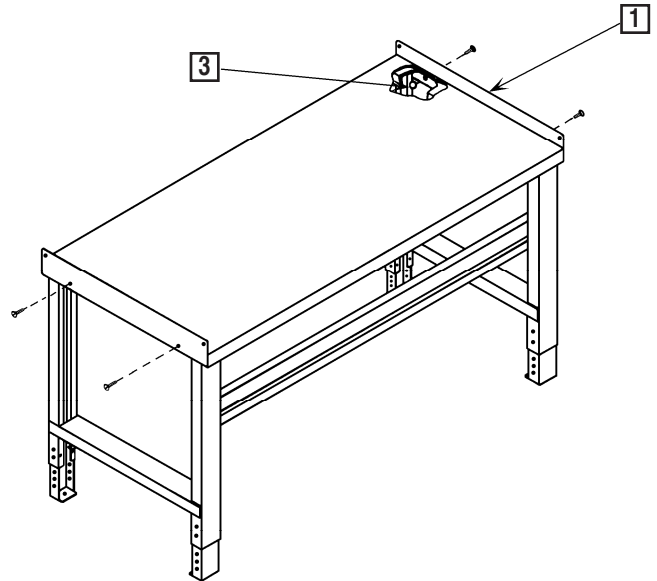
## End Guards

Parts List "F"		
Item	Description	Req'd.
1	End Guard	1 pair
2	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	4
3	.312 (5/16) - 18 Keps Nut	4

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

Position end guard (Item 1) so that the two holes align with the holes in the side of the attachment channel. Fasten end guard to channel with (2) screws and nuts (Items 2 & 3) as provided. Repeat procedure at the other end.

This completes the End Guard assembly.



## Back Guard

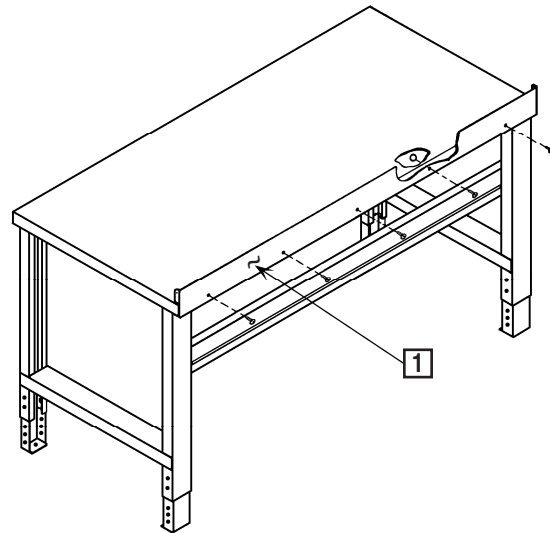
Parts List "G"		
Item	Description	Req'd.
1	Back Guard	1
2	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	7
3	.312 (5/16) - 18 Keps Nut	7

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

Position back guard (item 1) so that the ovals in the lower edge of the back guard are in line with the holes in the back edge of the bench top. (Flanges on the back guard are to be facing toward the front). Fasten back guard to bench top with (5) screws and nuts (Items 2 & 3) as provided.

This completes the Back Guard assembly.

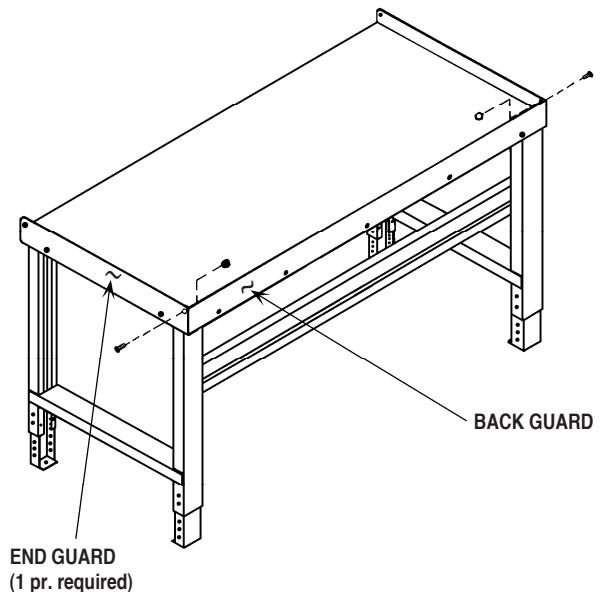
NOTE: The extra (2) screws and nuts are used when the end guards and back guard are combined on the work bench.



## End Guards and Back Guard Combined

Attach end guards and back guard to work bench as stated in the separate assemblies for the end guards and back guard above. Flanges on back guard are to be located inside of the end guards. Fasten end guards to back guard with (1) screw and nut (Items 2 & 3) as provided, at each corner.

This completes the assembly for the End Guards and Back Guard Combined.



# Ledge Riser

Parts List "H"		
Item	Description	Req'd.
1	Ledge Shelf	1
2	Ledge End	2
3	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	10
4	.312 (5/16) - 18 Keps Nut	10

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

- Place the end of the ledge shelf (Item 1) in between the flanges of the ledge end (Item 2). The two holes on the back of the shelf must align with the top two ovals on the rear flange of the ledge end. Align the hole in the front flange of the ledge shelf with the top hole on the front flange of the ledge end. Fasten the ledge shelf to the ledge end with (3) screws and nuts (Items 3 & 4) as provided. See Figure 14. Repeat procedure at the other end.

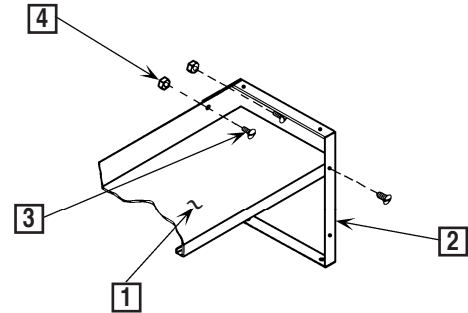


FIGURE 14

## Ledge Riser for Work Bench Without End Guards and Back Guard

- Place the ledge assembly on the bench top so that the rear flanges and sides of the ledge ends are flush with the back and sides of the bench top. Mark the location of the two holes in the bottom flange of the ledge end, on the bench top, at each end. Remove the ledge assembly and drill (2) .344 (11/32") dia. holes at the marked locations at each end of the bench top. Reposition the ledge assembly so that the holes in the bottom flanges of the ledge ends align with the drilled holes. Fasten the ledge assembly to the bench top with (4) screws and nuts (Items 3 & 4) as provided, two at each end. See Figure 15.

This completes the assembly of the Ledge Riser for the Work Bench Without End Guards and Back Guard.

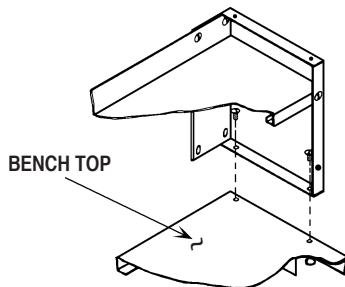
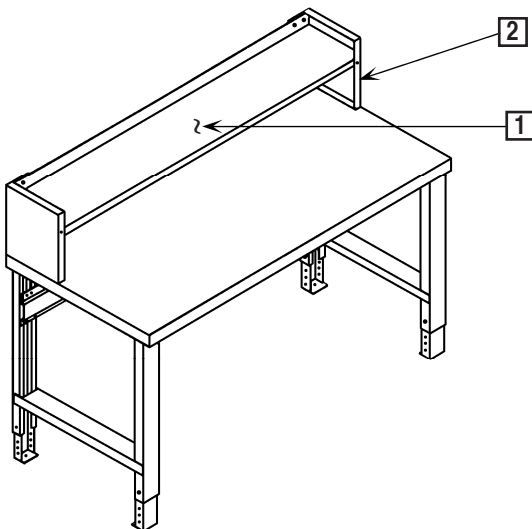


FIGURE 15



## Ledge Riser for Work Bench With End Guards and Back Guard

- Place the ledge assembly on the bench top flush against the end guards and/or back guard. The bottom oval in the sides of the ledge ends must align with the hole in the back corner of the end guards and/or the hole in the end flanges of the back guard. Fasten the ledge assembly to the end guards and/or back guard with (1) screw and nut (Items 3 & 4) as provided. See Figure 16. If both end guards and a back guard are on the work bench, remove the hardware holding the two pieces together at each rear corner. Position the ledge assembly to align with the holes in the guards as stated in the beginning of this step, and fasten the ledge assembly to the guards with the hardware originally provided.

This completes the assembly of the Ledge Riser for the Work Bench Without End Guards and Back Guard.

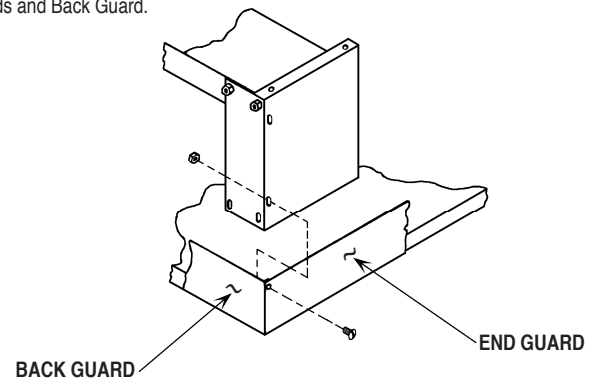
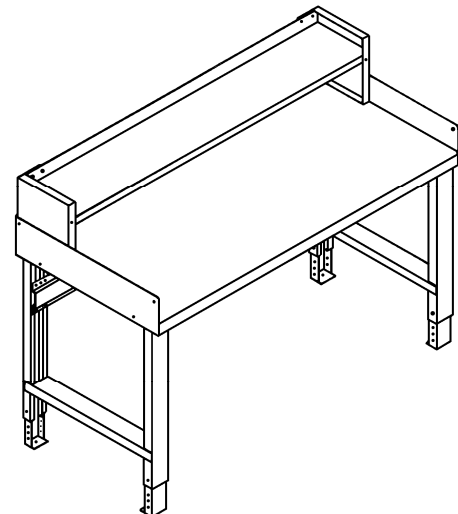


FIGURE 16

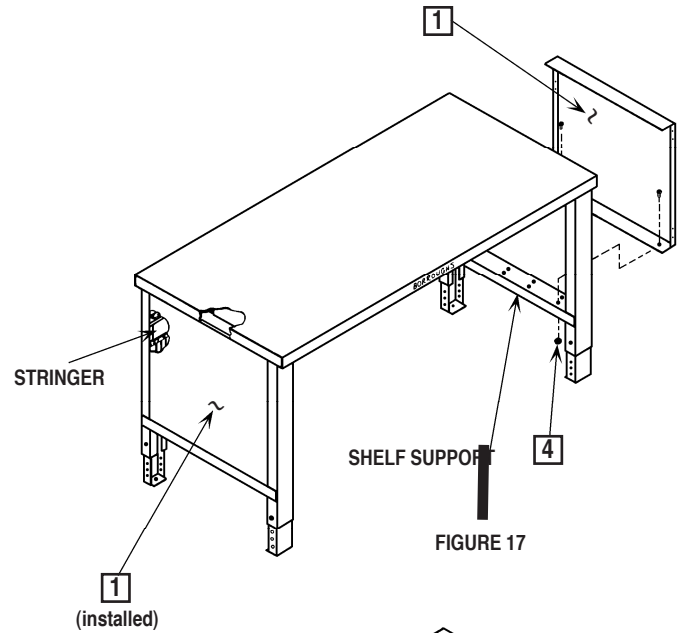


## End Filler Panels

NOTE: Refer to **Parts List "J"** for parts required in this assembly.

1. Remove stringer from back legs of work bench. (If shelf is attached to work bench, it must also be removed).
2. Position end filler panel (Item 1) at the end of the work bench with the flanges facing toward the inside of the work bench. Tilt the top of the end panel (the flange without any holes or slots is the top) so that the top flange will fit into the leg channel under the bench top. Swing the bottom of the end panel in so that the bottom flange is on the shelf support. **Be sure the top flange stays in position inside the leg channel.** Position the end panel so that the four holes in the bottom flange align with the inner four holes of the shelf support. Fasten the end panel to the shelf support with (2) screws and nuts (Items 3 & 4) as provided, one at each corner. See Figure 17. (NOTE: If a shelf was on the original unit, replace shelf before fastening the end panel so that the inner holes of the shelf and shelf support align with the holes of the end panel. The bottom flange of the end panel should be between the shelf and the shelf support. Fasten all three pieces together with hardware provided). Repeat procedure at the other end.
3. Fasten stringer back into place with hardware originally provided.

This completes the End Filler Panel assembly.

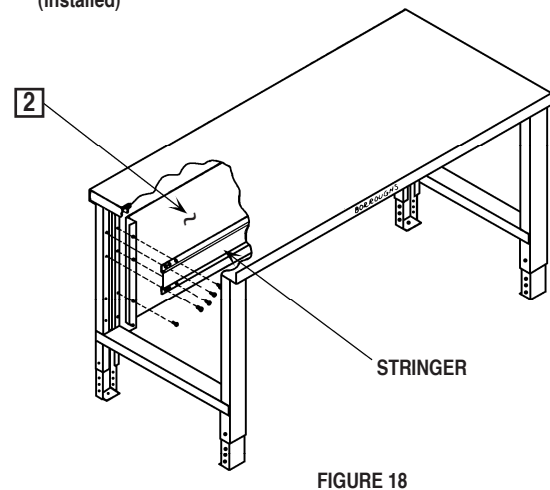


## Back Filler Panel

NOTE: Refer to **Parts List "J"** for parts required in this assembly.

1. Remove stringer from back legs of work bench. (If shelf is attached to work bench, it must also be removed).
2. Position back filler panel (Item 2) so that the panel will fit between the back legs of the work bench. Align the holes on the end flanges of the back filler panel with the inner holes of the back legs. Fasten the back filler panel to the back legs with (2) screws and weldnuts (Items 3 & 5) as provided, one each end, located at the second hole up from the bottom edge of the back filler panel. Replace stringer so that the holes on the end of the stringer align with the top two holes in the back filler panel and the back legs. Fasten all three pieces together with hardware originally provided. See Figure 18.
3. If a shelf was removed in Step 1 of these instructions, replace shelf and fasten shelf to the shelf supports with hardware originally provided.

This completes the Back Filler Panel assembly.



## End Filler Panels and Back Filler Panel Combined

Parts List "J"		
Item	Description	Req'd.
1	End Filler Panel	1 pair
2	Back Filler Panel	1
3	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	2 per item
4	.312 (5/16) - 18 Keps Nut	2 per item
5	.312 (5/16) - 18 Weldnut	2 per item

- Tools Required:
1. Phillips Screwdriver
  2. 1/2" Open End or Box Type Wrench

1. Remove stringer from back legs of work bench. (If a shelf is attached to work bench, it must also be removed).
2. Position and fasten the back filler panel (Item 2) to the back legs of the work bench with (2) screws and weldnuts (Items 3 & 5) as stated in Step 2 of the Back Filler Panel assembly instructions above. **DO NOT ATTACH STRINGER AT THIS TIME.**
3. Position and fasten the end filler panel (Item 1) to the shelf supports with (2) screws and nuts (Items 3 & 4) as stated in Step 2 of the End Filler Panel assembly instructions above. Repeat procedure at the other end.
4. Replace the stringer so that the holes on the end of the stringer are aligned with the holes and slots of the end filler panel, back filler panel and the back legs. Fasten all four pieces together with hardware originally provided. See Figure 19.
5. If a shelf was removed in Step 1 of these instructions, replace shelf as stated in Step 2 of the End Filler Panel assembly instructions above.

This completes the assembly of the End Filler Panels and Back Filler Panel Combined.

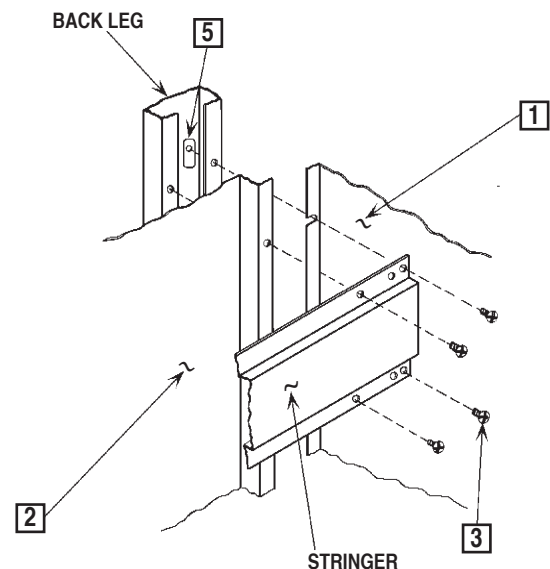


FIGURE 19



# Semi-Portable Bench

Parts List "K"		
Item	Description	Req'd.
1	Caster Mounting Plate	1
2	Caster	2
3	Handle	2
4	Handle Attachment Bracket	2
5	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	8
6	.312 (5/16) - 18 Keps Nut	8
7	.438 (7/16) - 14 x 1" Hex Head Cap Screw	2
8	.438 (7/16) Helical Lock Washer	2
9	.438 (7/16) - 14 Hex Nut	2
10	.312 (5/16) - 18 x .625 (5/8) Hex Head Cap Screw	8
11	.312 (5/16) - 18 Weldnut	8

Tools Required: 1. Phillips Screwdriver  
 2. 1/2" Open End or Box Type Wrench  
 3. 5/8" Open End or Box Type Wrench

- Place a caster (Item 2) on the underside of the caster mounting plate (Item 1). (The surface that has the flanges facing down is the underside). Position the caster so that the four holes in the caster align with the four holes at the end of the caster mounting plate. Fasten the caster to the caster mounting plate with (4) .312 (5/16) screws and nuts (Items 10 & 6) as provided. Repeat procedure at the other end. See Figure 20.
- Place work bench upside down on a flat surface.
- The caster mounting plate now can be mounted on either end. After you have chosen the end that you want the mounting plate on, place the mounting plate so that the end holes align with the center holes on both the front and back adjustable feet. Fasten the mounting plate to the adjustable feet with (2) .438 (7/16) screws, washers and nuts (Items 7, 8 & 9) as provided. Place work bench in upright position. Adjust the feet until the work bench is level and is at the desired height.
- The handles (Item 3) are to be attached to the legs of the end opposite the casters. Remove the screws and nuts that are holding the stringer to the leg. Fasten the stringer down the leg to the next set of corresponding holes. Position the handle attachment bracket (Item 4) so that the holes in the flanges of the bracket are in line with the top four holes in the back leg. Loosely fasten the attachment bracket to the leg with (4) screws and weldnuts (Items 5 & 11) as provided. Slide the handle part way through the attachment bracket. The embossments on the handle are to be facing toward the outside of the work bench. Tighten the screws holding the attachment bracket and leg together. The embossments on the handle will keep the handle from being removed when pulling the handles out for use or pushing them in when not in use. Repeat procedure for handle on the front leg. See Figure 21.

This completes the assembly of the Semi-Portable Bench.

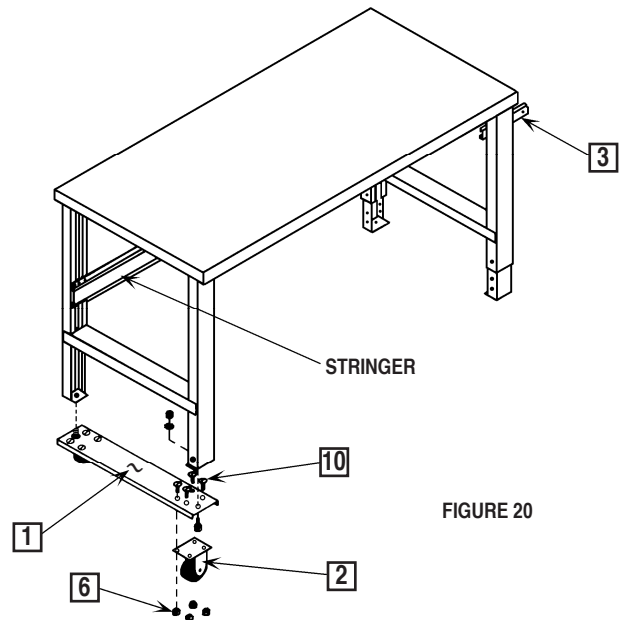
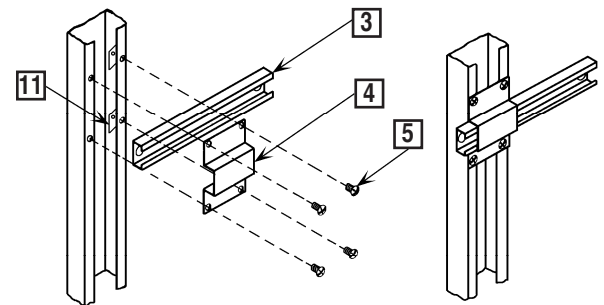
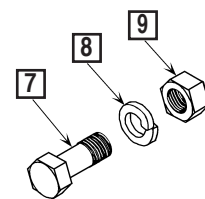


FIGURE 20



HANDLE ATTACHMENT DETAILS  
 FIGURE 21



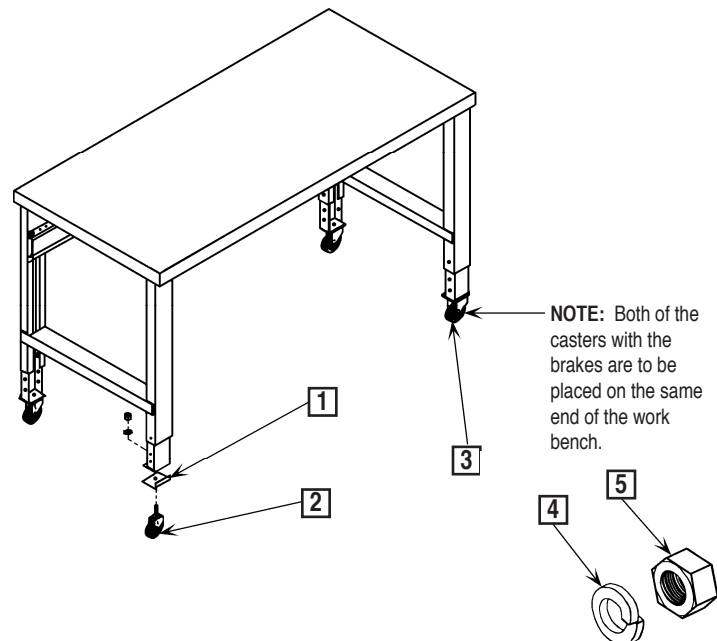
# Portable Bench

Parts List "L"		
Item	Description	Req'd.
1	Heavy Duty Plate	4
2	Caster	2
3	Caster with Brake	2
4	.438 (7/16) Helical Lock Washer	2
5	.438 (7/16) - 14 Hex Nut	2

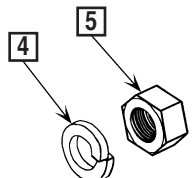
Tools Required: 1. 5/8" Open End or Box Type Wrench

- Place the work bench upside down on a flat surface.
- Position the heavy duty plate (Item 1) on the adjustable foot. The flange on the heavy duty plate is to be placed along the front edge of the adjustable foot. Insert the threaded stem of the caster (Items 2 & 3) through the holes in the heavy duty plate and the adjustable foot. Fasten the three items together with (1) washer and nut (Item 4 & 5) as provided. Repeat procedure with the other three adjustable feet.
- Adjust bench to desired height. Place unit in upright position.

This completes the assembly of the Portable Bench.



NOTE: Both of the casters with the brakes are to be placed on the same end of the work bench.



# Tier Drawer Support

Parts List "M"		
Item	Description	Req'd.
1	Tier Drawer Support - 28"	2
2	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	4
3	.312 (5/16) - 18 Keps Nut	4

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

- Place the work bench upside down on a flat surface.
- Place the tier drawer support (Item 1) on the underside of the bench top with the flange that has the holes facing upward. Position the tier drawer support so that the support is perpendicular to the front and back flanges of the bench top. The ends of the drawer support are under the bench top flanges and the open channel of the tier drawer support must be facing outward. See Figures 22 & 23. Repeat procedure with the other tier drawer support(s).
- If you intend to have the tier drawer supports moveable, so that when a tier drawer is attached, it may be moved to any position along the length of the work bench. **DO NOT fasten the drawer supports to the bench top.**
- Place unit in upright position.

This completes the installation of the Tier Drawer Support. However, if the tier drawer supports are to be in a fixed location, continue to Step 4 of the tier drawer installation instructions on Page 11.

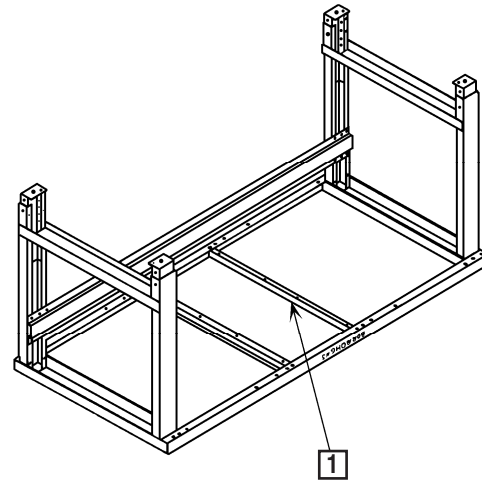


FIGURE 22

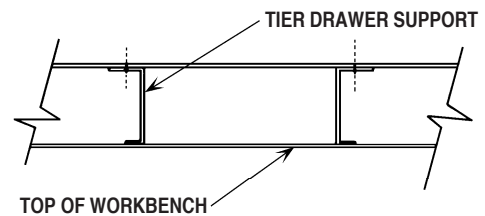


FIGURE 23

# Tier Drawer

Parts List "N"		
Item	Description	Req'd.
1	Tier Drawer - 15-1/4"	1
2	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	4
3	.312 (5/16) - 18 Keps Nut	4

Tools Required: 1. Phillips Screwdriver  
2. 1/2" Open End or Box Type Wrench

- Place the work bench upside down on a flat surface.
- Remove the tier drawer from the tier drawer case.
- Place the tier drawer case (Item 1) on the tier drawer supports with the open side of the case facing upward. Position the tier drawer case so that the four holes in the top of the drawer case are in line with the two forward holes on each tier drawer support. (NOTE: The tier drawer case top has eight holes. The drawer case may be positioned towards the front edge of the work bench or set back from the edge by aligning the front or rear holes, two each side, of the drawer case with the two forward holes on each tier drawer support). See Figure 24. Fasten the tier drawer case to the tier drawer supports with (4) screws and nuts (Items 2 & 3) as provided. See Figure 25.

NOTE: If tier drawers are to be tiered one below another, continue to Step 4, Page 11 of these instructions. If not, this completes the installation of the Tier Drawer case. Place unit in upright position and place the tier drawer back into the tier drawer case.

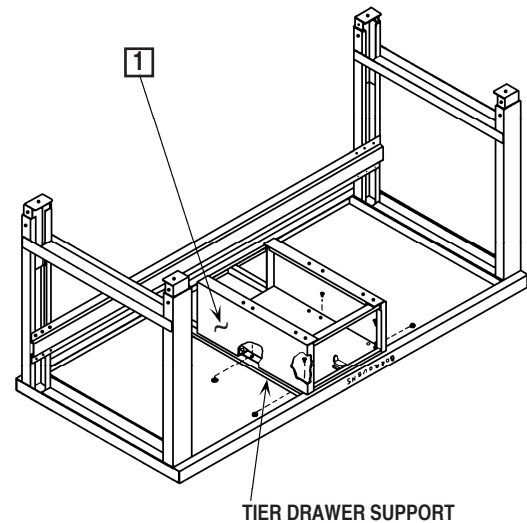


FIGURE 24

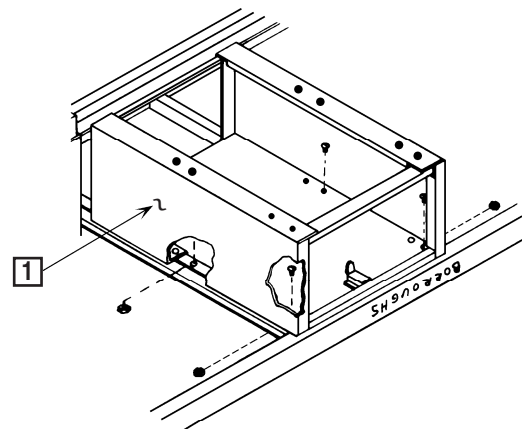


FIGURE 25

- Remove the tier drawer from the tier drawer case. Place the tier drawer case, with the open side of the case facing upward, on the tier drawer case already fastened to the work bench. See Figure 26. Position the drawer case so that both cases are flush with each other on all four sides and that the holes on the top of the new tier drawer case are aligned with the holes on the bottom of the existing tier drawer case. Fasten the tier drawer cases together with (4) screws and nuts (Items 2 & 3) as provided.

This completes the installation of the Stacked Tier Drawer cases. Place unit in upright position and place the tier drawers into the tier drawer case.

NOTE: For continued, smooth operation of the tier drawer, repack roller bearings once each year with AMODEX 1-EP or equivalent.

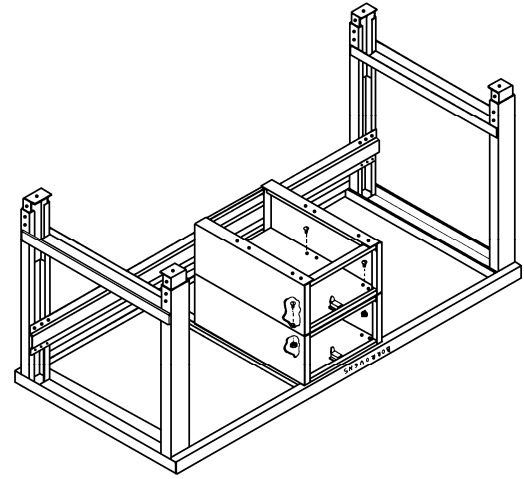


FIGURE 26

## Tier Drawer for Work Bench with All-Wood Top

Parts List "O"		
Item	Description	Req'd.
1	Tier Drawer - 15-1/4"	1
2	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	4
3	.312 (5/16) - 18 Keps Nut	4
4	#14 x 1" Sheet Metal Screw	4

Tools Required: 1. 5/8" Open End or Box Type Wrench

- Place the work bench upside down on a flat surface.
- Remove the tier drawer from the tier drawer case.
- Place the tier drawer case (Item 1) on the bench top at desired location with open side of the case facing forward and parallel with front edge of bench. Use tier drawer case as template and drill (4) 3/16" pilot holes x 1" deep for the lag screws. Fasten the tier drawer case to the bench top with (4) #14 x 1" sheet metal screws. See Figure 27.
- See Step 4 of the tier drawer installation instructions, above, for proper installation of second tier drawer. (See also Figure 28).

This completes installation of the Tier Drawer for Work Bench with All-Wood Top.

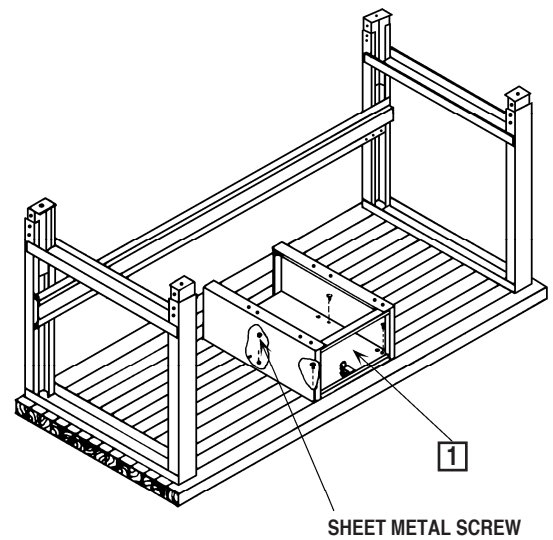


FIGURE 27

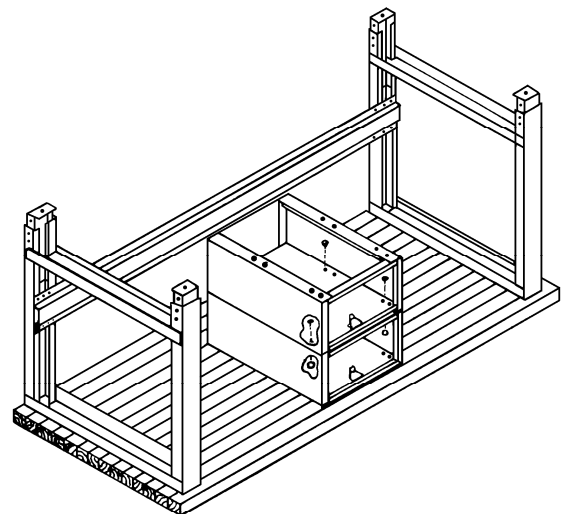


FIGURE 28

# Padlock Attachment

Parts List "P"		
Item	Description	Req'd.
1	Padlock Attachment	1
2	.312 (5/16) - 18 x .500 (1/2) Phillips T.H.M.S.	1
3	.312 (5/16) External Tooth Lock Washer	1

Tools Required: 1. Phillips Screwdriver

1. Remove drawer from tier drawer assembly.
2. Insert padlock attachment through slot in stop saddle.
3. Secure with (1) 5/16 external tooth lock washer and (1) 5/16-18 x 1/2 Phillips truss head machine screw as provided.
4. Replace tier drawer.

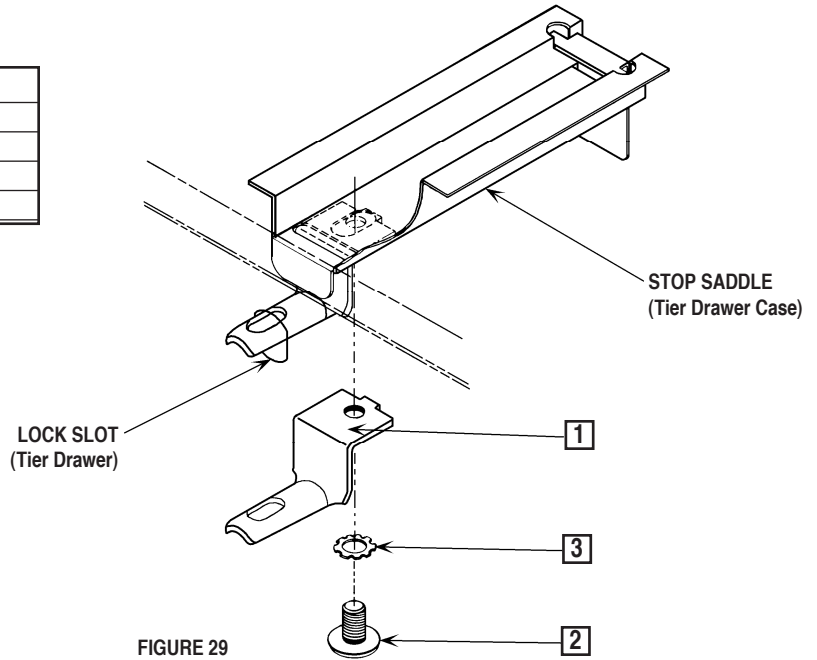


FIGURE 29

# Electric Plugstrip for Metal Bench Tops

Parts List "R"		
Item	Description	Req'd.
1	Electric Plugstrip	1

1. Vertically center the plugstrip base along the front edge of the bench top and align the wire entrance end flush with the side. Use the plugstrip base as a template and drill .156 (5/32") dia. holes approximately every 12" in the front edge of the bench top. Fasten the plugstrip base to the bench top with #6 flat head machine screws and #6 hex nuts. NOTE: Screws and nuts are NOT included.
2. Snap plug receptacles into the plugstrip cover. See Figure 31. Position the plugstrip cover over the wires in the plugstrip base so that the connecting wires on the last receptacle are placed in the wire entrance end. Snap the plugstrip cover into the plugstrip base. The final electrical hook-up to the plugstrip may now be made through the wire entrance end.

This completes the installation of the Electric Plugstrip for Metal Bench Tops.

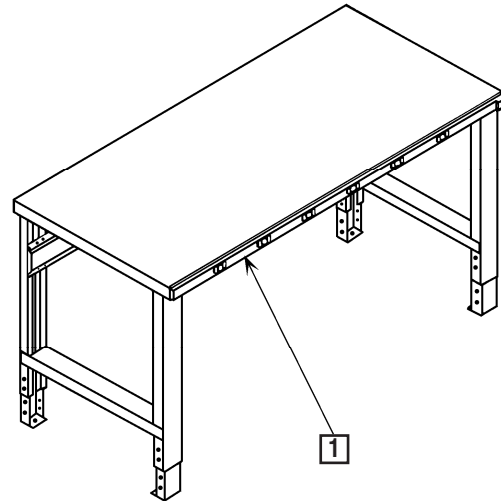


FIGURE 30

# Electric Plugstrip for All-Wood Bench Tops

Parts List "R"		
Item	Description	Req'd.
1	Electric Plugstrip	1

1. Vertically center the plugstrip base along the front edge of the bench top and align the wire entrance end flush with the side of the bench top. Use the plugstrip base as a template and drill .109 (9/64") dia. holes approximately every 12" in the front edge of the bench top. (Hole size is for #6 wood screws). Fasten the plugstrip base to the bench top with #6 penny nails (or #6 flat head wood screws) spaced approximately every 12". NOTE: Nails and/or screws are NOT included.
2. Snap plug receptacles into the plugstrip cover. See Figure 31. Position the plugstrip cover over the wires in the plugstrip base so that the connecting wires on the last receptacle are placed in the wire entrance end. Snap the plugstrip cover into the plugstrip base. The final electrical hook-up to the plugstrip may now be made through the wire entrance end.

This completes the installation of the Electric Plugstrip for All-Wood Bench Tops.

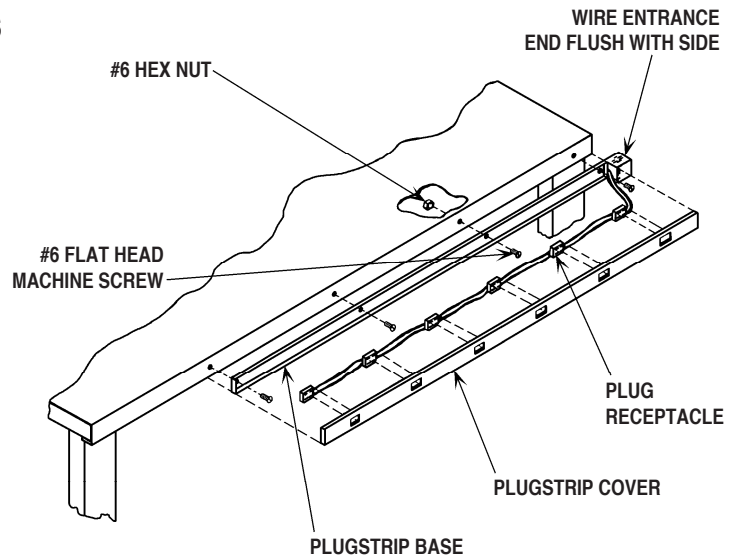


FIGURE 31