

**INDUSTRIAL WORKBENCH**

**READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE YOUR Tennsco INDUSTRIAL WORKBENCH.**

**RETAIN INSTRUCTIONS FOR FUTURE REFERENCE!**



**DESCRIPTION**

Rugged construction makes these **Tennsco** workbenches ideally suited for factories, shops, garages, labs, etc. Workbenches are shipped unassembled with tops and legs in separate cartons.

The fixed height, flared legs have all-welded steel construction with punched holes for attaching stringer, and lower shelf flanged feet have holes for securing to floor. Legs are 32" high and 30" or 36" deep.

Duplex knock-outs are punched in each leg to receive a steel city electrical box, model #CDOW (2.5" X 2" X 3").

**Tennsco** tops are available in a choice of two widths and two depths and are pre-drilled for mounting to various workbench bases. A steel stringer is included to provide extra rigidity.

**Steel Benchtops (S)** are constructed of smooth steel surfaces, reinforced with channels at each end. There are no exposed sharp edges or corners.

**Hard Maple Laminate Benchtops (W)** are 1<sup>3</sup>/<sub>4</sub>" thick laminated solid hard maple with a smooth oil-seal natural finish.

**Plastic Laminate Benchtops (P)** are 1<sup>5</sup>/<sub>8</sub>" thick with grey linen, maintenance-free, high pressure non-conductive plastic laminate over a compressed wood core with a phenolic backer sheet.

**Compressed Wood Benchtops (C)** are 1<sup>3</sup>/<sub>4</sub>" thick and constructed of tempered hardboard top and bottom surfaces laminated to a high density compressed wood core. A smooth, sealed finish gives a durable, non-porous surface.

**Available options** are listed in the replacement parts list included in these instructions.

**SPECIFICATIONS**

Overall Dimensions

All 3060 models .....	60"w x 30"d x 33 <sup>1</sup> / <sub>2</sub> "h
All 3072 models .....	72"d x 30"w x 33 <sup>1</sup> / <sub>2</sub> "h
All 3660 models .....	60"d x 36"w x 33 <sup>1</sup> / <sub>2</sub> "h
All 3672 models .....	72"d x 36"w x 33 <sup>1</sup> / <sub>2</sub> "h

Basic Construction

Steel Top	
Top .....	12 gauge steel
Reinforcing Channels .....	14 gauge steel
Hard Maple Laminate Top	
Top .....	Laminated Maple
Compressed Wood Top	
Top .....	Hardboard with Compressed Wood Core
Plastic Laminate Top	
Top .....	Laminated High Pressure Plastic with Compressed Wood Core
Legs .....	14 gauge steel
Upper and lower leg crossmembers .....	13 gauge steel
Stringer .....	14 gauge steel

Options Available:

Side and back rails	Lower Shelf
Standard and electronic riser	Stackable Drawer

**GENERAL SAFETY INFORMATION**

Some parts may have sharp edges. CARE must be taken when handling various pieces to avoid injury. For safety, wear a pair of work gloves when assembling or performing any maintenance on workbench.

# Step By Step Installation Instructions

(Proceed to next step on optional items not purchase)

Tools required: Slotted screwdriver, Phillips screwdriver, and 7/16" & 3/8" wrenches or nut drivers (use 2 people for assembly)

1. Place legs (1) in upright position as shown in Figure 1. Legs should be placed approximately 53" apart for 60" units and 65" apart for 72" units.
2. Attach stringer (3) [provided with top] to bench legs using center four holes in back legs. Fasten with eight bolts, nuts, and washers.
3. Attach bench top (4) to frame assembly using the applicable instructions.

## **Solid Maple Top; Compressed Wood on Wood Top; or Plastic Laminate Top** (Figure 2):

- 3a. Place bench top on a smooth, non-marring surface with top side facing down.
- 3b. Using sixteen #14 x 3/4" hex head slotted screws, attach legs to the under side of bench top through pre-drilled holes.

## **Steel Top** (Figure 3):

- 3a. Place bench top on a smooth, non-marring surface with top side facing down.
- 3b. Insert top end channel (5) in each end of bench top and align bench top, leg, & channel holes. (There are two extra top end channels provided, for a total of four, for installing an optional pedestal or drawer). Secure with four 1/4"-20 x 5/8" bolts. Four weld nuts are provided on each channel.
- 3c. Secure leg to top using 1/4" -20 x 5/8" bolts inserted in second hole from each corner. (Note: holes run along front facing [2 holes] and back facing [2 holes].)

4. **OPTIONAL** Stackable Drawer Attachment (Figure 4):

### **Wood Tops:** (mounting brackets not used):

- 4a. Remove drawer (6) from housing (7).
- 4b. Secure lock hasp (8) onto two bolts extending down from top of housing using two 1/4"-20 nuts.
- 4c. Position housing (7) under bench top in desired location and drill holes as required (recommendation: 1/2" offset from front of bench top). (Note: mounting brackets are not used when installing on wood top.)
- 4d. Secure the housing to the bench top using four #14-3/4" hex head slotted wood screws.
- 4e. Once bench assembly is in an upright position (see step 5), insert drawer into housing.

### **Steel Top:**

- 4a. Remove drawer (6) from housing (7).
- 4b. Secure lock hasp (8) onto two bolts extending down from top of housing using two 1/4"-20 nuts.
- 4c. Secure one mounting bracket (5) to left side of housing with two 1/4"-20 bolts and nuts. On 30" deep top, the bracket should extend 10 1/2" behind housing; on 36" deep top, it should extend 16 1/2" behind the housing.
- 4d. Attach a second mounting bracket (5) to welded nut *in rear of housing only* with one 1/4"-20 bolt. Do not tighten yet, as having the bracket loosely attached simplifies mounting to the workbench top.
- 4e. To attach drawer assembly to the workbench top, insert back end of the left drawer bracket diagonally into flange on the rear underside of the top. Then, slide the front of the bracket into the front flange until the drawer assembly is aligned evenly with the front of the workbench top.
- 4f. Insert the back end of the loosely attached right drawer bracket into the flange on the rear underside of the workbench top. Then, slide the front of the bracket into the front flange until bracket is aligned evenly with front of workbench top.
- 4g. Align holes in mounting brackets and top in desired location and secure using four 1/4"-20 bolts and nuts.
- 4h. Attach front end of bracket to front of housing using one 1/4"-20 bolt and nut. Secure the rear bolt and nut which was left loose in step 4d.
- 4i. Once bench assembly is in upright position (see step 5), insert drawer in housing.

### **Drawer To Drawer Assembly:**

- 4a. Remove drawer from housing.
- 4b. Secure lock hasp (8) onto two bolts extending down from top of housing using two 1/4"-20 nuts.
- 4c. Bolt housing together with 4 1/4"-20 bolts and nuts.
- 4d. Once bench assembly is in upright position (see step 5), insert drawer in housing.

6. **OPTIONAL** Lower Shelf Attachment:

- 6a. Place lower shelf (2) across braces of legs. Secure the two rear vertical holes using two 1/4"-20 x 5/8" bolts and nuts.
- 6b. Secure the remaining four holes with bolts and nuts (two aligning holes on each leg.)

7. **OPTIONAL** Riser Attachment:

**Standard Riser** (Figure 5):

- 7a. Secure riser shelf (12) to supports using two bolts and nuts on each end.
- 7b. Secure riser supports (11), and optional side rail attachment if purchased (see step 8a), to top end, using four bolts and nuts or four #14 wood screws for wood tops.

**Electronic Riser** (Figure 5):

- 7a. Secure riser supports (11), and optional side rail attachment if purchased (see step 8a) to top end, using four bolts and nuts or four #14 wood screws for wood tops.
- 7b. Install optional wiring kit into electronic riser shelf (15) using instructions provided with each wiring kit.

**DO NOT CONNECT POWER TO UNIT UNTIL ENTIRE UNIT IS ASSEMBLED.**

NOTE: If wiring kit was not purchased, proceed to step 8.

**Riser to Riser:**

- 7a. Secure riser supports to lower riser supports with flange down, using four bolts and nuts.
- 7b. Secure riser shelf to supports using two bolts and nuts on each end.

8. **OPTIONAL** Side and Back Rail Attachment

- 8a. Bolt side rail (13), and optional riser supports if purchased (see step 7a), to right side of top end attachment with four bolts and nuts. (For wood tops, use #14 wood screws and drill holes as needed.) Be sure rounded corners of side rail are toward front of workbench.
- 8b. Repeat step 8a to install rail for left side.
- 8c. Place back rail (14) across back and around the outside of the side rails. Secure to bench top with five bolts, nuts and washers. (For wood tops use five #14 wood screws and drill holes as needed.) Use two bolts, nuts and washers at each end to fasten to side rails.

**LIMITED WARRANTY**

Tennsco warrants goods purchased hereunder to be free of defects in materials and workmanship for a period of one (1) year from the date of shipment, hereunder. This warranty shall not apply in the event goods are damaged as a result of misuse, abuse, neglect, accident, improper application, modification or repair by persons not authorized by Seller, where goods are damaged during shipment, or where the date stamps on the goods have been defaced, modified or removed. UNLESS CONSIDERED UNENFORCEABLE OR UNLAWFUL UNDER APPLICABLE LAW:

- a. ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED.
- b. BUYERS REMEDY, IF ANY, FOR ANY DEFECTIVE GOODS SHALL BE LIMITED TO A REFUND BY SELLER OR REPLACEMENT OF THE GOODS AT SELLER'S OPTION, AND SHALL IN NO EVENT INCLUDE DAMAGES OF ANY KIND, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.

NO GOODS ACCEPTED FOR RETURN WITHOUT PRIOR APPROVAL. Seller shall have the right to inspect any goods claimed to be defective at Buyer's place of business or require Buyer to return the goods to Seller for inspection on Seller's premises. Transportation charges covering returned goods will be borne by Seller only if such goods are proven to be defective, are covered by this warranty and are returned within the warranty period stated above.

TENNSCO CORPORATION  
P.O. BOX 1888  
DICKSON, TN 37056-1888  
(615) 446-8000 (800) 251-8184

**Hard Maple Laminate Benchtop Maintenance:**

Clean when necessary with warm water, soap or detergent. Wipe dry immediately. Scouring powder, steel wool or sandpaper can be used for stubborn stains and marks. Allow a generous quantity of linseed oil or mineral oil to penetrate all surfaces for five minutes before removing all excess oil. Excessive dryness or humidity can cause cracks or warping. Cracks should be filled with wood filler, sanded smooth and re-oiled. Warping can be

REF. NO.	DESCRIPTION	PART NUMBER	QTY.
1A	Flared Leg (WB-X-3060X, WB-X-3660X, WB-X-3070X)	L-3230	1
	Flared Leg (WB-X-3672X)	L-3236	1
1B	Adjustable Leg (WBA-X-3060X, WBA-X-3660X, WBA-X-3070X)	AL-3230	1
	Adjustable Leg (WBA-X-3672X)	AL-3236	1
2	Lower Steel Shelf (All 60" Wide)	S-60	1
	Lower Steel Shelf (All 72" Wide)	S-72	1
3	Stringer (60" Wide)	WBS-60	1
	Stringer (72" Wide)	WBS-72	1
4	Steel Bench Top w/Stringer (30" x 60")	T-3060	1
	Steel Bench Top w/Stringer (30" x 72")	T-3072	1
	Steel Bench Top w/Stringer (36" x 72")	T-3672	1
	Compressed Wood on Wood Top w/Stringer (30" x 60")	CT-3060	1
	Compressed Wood on Wood Top w/Stringer (30" x 72")	CT-3072	1
	Compressed Wood on Wood Top w/Stringer (36" x 72")	CT-3672	1
	Plastic Laminate Top w/Stringer (30" x 60")	PT-3060	1
	Plastic Laminate Top w/Stringer (30" x 72")	PT-3072	1
	Plastic Laminate Top w/Stringer (36" x 72")	PT-3672	1
	Solid Maple Top w/Stringer (30" x 60")	MT-3060	1
	Solid Maple Top w/Stringer (30" x 72")	MT-3072	1
	Solid Maple Top w/Stringer (36" x 72")	MT-3672	1
5	Top End Channel (also called Mounting Bracket) -- Included w/Steel Top		4
6	Drawer (WBD-1)	976CDW	1
7	Drawer Housing (WBD-1)	976CDH	1
8	Padlock Hasp (WBD-1)	976PH	1
9	Tray (WBD-1)	976T	1
10	Divider (WBD-1)	WBDD-12	1
11	Riser Support (All Units)	WBRS-2	2
12	Riser Shelf (60" Wide)	WBRS-60	1
	Riser Shelf (72" Wide)	WBRS-72	1
13	Side Rail (30" Deep Units)	189SS	2
	Side Rail (36" Deep Units)	404SS	2
14	Back Rail (60" Wide)	189BS1	1
	Back Rail (72" Wide)	404BS	1
15	Electronic Riser Shelf (60" Wide)	EWRS-6015	1
	Electronic Riser Shelf (72" Wide)	EWRS-7215	1
16	Wire trough (60" Wide)	EWWT-60	1
	Wire trough (72" Wide)	EWWT-72	1
*	Wiring Kit (not shown in figure)	WK-1	
*	Cam Lock	CL-1	
•	1/4"-20 x 5/8" Bolt	◆	
•	1/4"-20 Nut	◆	
•	1/4" Lockwasher	◆	
•	#14 x 3/4" Hex Head Slotted Wood Screw	◆	
•	#10 x 1/2" Sheetmetal Screw	◆	
*	Optional Accessory		
◆	Standard hardware item, available locally		

Tennsco makes every effort to ensure that all units ship complete with all parts and arrive undamaged. However, should your unit contain missing or damaged parts, replacements may be obtained directly from Tennsco. To obtain proper replacement parts, follow the instructions below:

**TO OBTAIN PROPER REPLACEMENT PARTS, PLEASE PROVIDE THE FOLLOWING INFORMATION:**

- Model Number
- Description of part(s) needed and part number(s) as shown in Parts List (above)
- Color
- Purchase date
- Your company name
- Contact person's name
- Who the product was purchased from

Tennsco Corp., P.O. Box 1888, Dickson, TN 37056-1888

Voice (800) 251-8184 Fax: (800) 722-0134

If requesting parts by telephone, ask for customer service and have as much of the above information ready as possible.

# tennsco INDUSTRIAL WORKBENCH ASSEMBLY DRAWINGS

**FIGURE 1**



