



Sailrite® Ultrafeed® LSZ-1 With WorkerB® & Compact Table Assembly Instructions

Prefer video instructions?
Scan to view our full assembly video.



IMPORTANT

Do not discard the original Ultrafeed® Sewing Machine packaging. Save and store it in a safe place. If you need to mail the machine for any reason, you must ship it in its original box and foam shell packaging. Shipping carriers will not pay insurance claims on improperly packaged machines.

Leg Assembly

1. Find the treadle and related hardware (A). Set them aside; they are not used in this assembly.
2. Find the bolts with washers and lock washers (B). Stand both legs (C) on your work surface with the hollow insides facing each other and the feet (O) facing up. With the bolt and washer sets (B), bolt the back support bar (D) to the back of the table legs (C). Do not tighten fully.

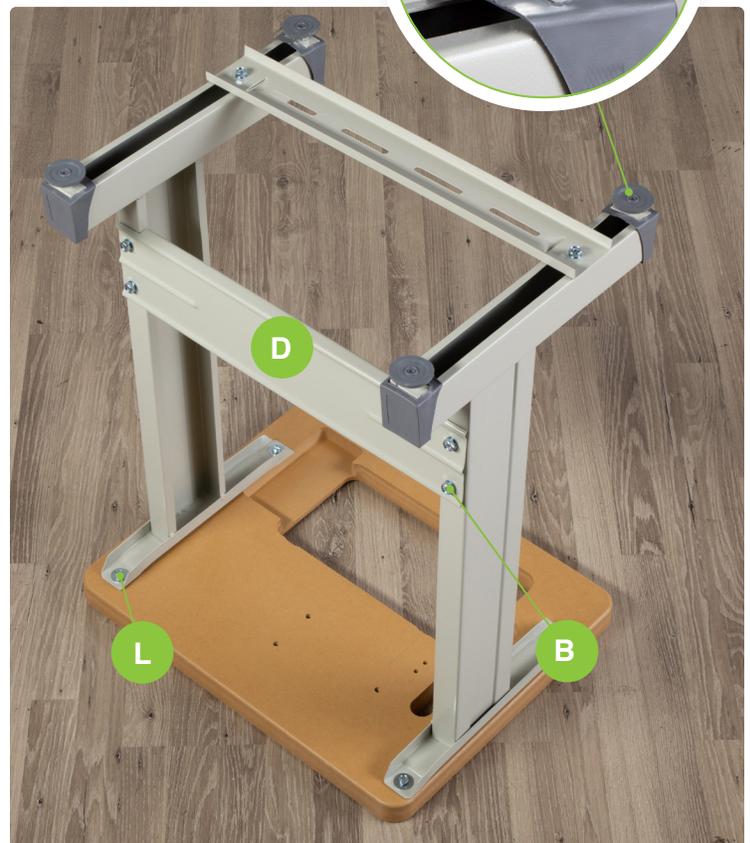
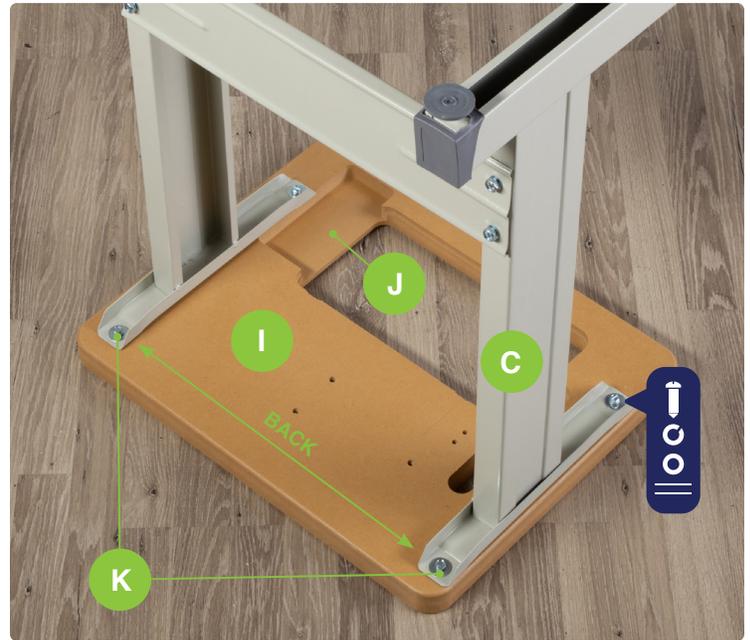


3. Find the treadle mount bar (E), bolts (F) and plates (G). Place the treadle mount bar (E) 3-1/2 inches from the front toe of the legs.
4. Bolt each side of the treadle mount bar (E) to the bottom of the legs (C) by placing a plate (G) in the slot (H). Use bolt (F) to secure.



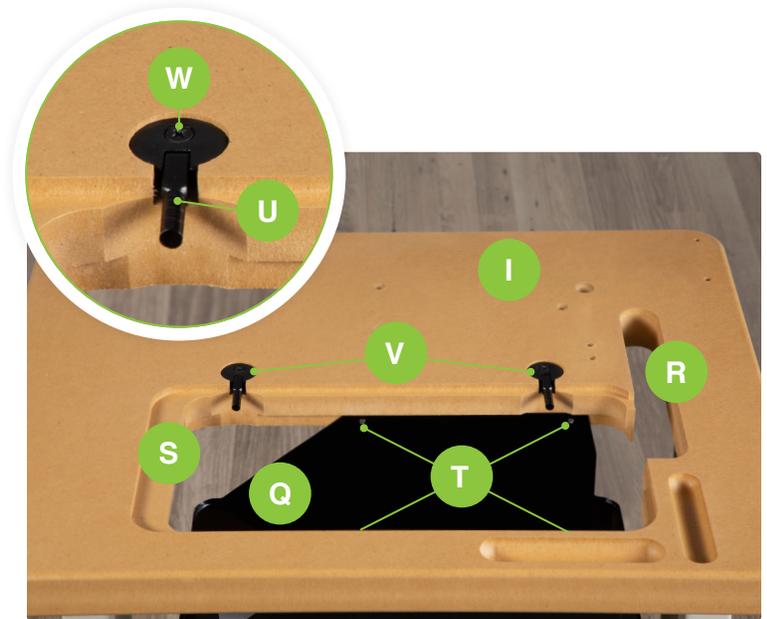
Attaching Tabletop

- On a soft surface, place the tabletop (I) top side down. The recess (J) should be facing up and to your left.
- With the back of the legs (C) facing you, place them on the tabletop (I). Line up the back leg mount holes with the back pilot holes (K) in the tabletop (I). Loosely thread a hex head lag screw (L), lock washer (M) and large flat washer (N) into each back pilot hole (K). Do not tighten fully.
- There are two sets of pilot holes that the front leg holes could align with. Once you partially tighten the back legs, thread a screw (L), lock washer (M) and flat washer (N) into the front pilot hole that appears the most open through each front leg hole. It's OK if the front screws have to start at an angle — they will straighten as you tighten them.
- Use a 3/8-inch socket wrench or drill bit to tighten all four screws (L) attaching the legs to the tabletop (I), compressing the lock washers (M). Now tighten the four bolts (B) attaching the support bar (D) to the legs (C).
- The legs (C) have adjustable feet (O). Rotate the locking nut (P) on each foot (O) so that the feet can be threaded all the way into the legs (C). Once the table is upright, this will make it easier to adjust one or two feet (O) to level the table. Once adjusted, use the nut (P) to lock the foot (O) position.



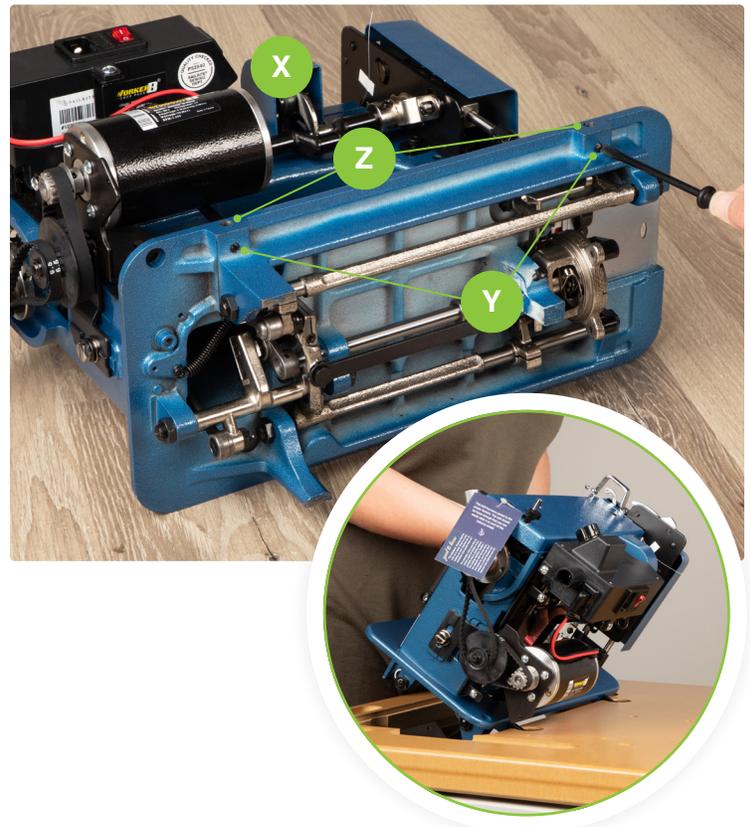
Install Oil Tray & Hinges

10. Flip the table upright. Find the metal oil tray (Q) and reference the belt slot (R) of the tabletop (I).
11. Place the oil tray (Q) under the tabletop (I) and line up the mounting holes in the oil tray with the pilot holes inside the rim of the tabletop cutout (S). If there are no pilot holes in the tabletop rim (S), push the oil tray (Q) up against the bottom of the ledge on the rim. Line up the right edge of the oil tray (Q) with the edge of the cutout, then use a scratch awl to create small pilot holes where the oil tray mounting holes land.
12. Use the four flat head tapping screws (T) to attach the oil tray (Q) to the tabletop (I). Tighten them down halfway until all four are installed. Then tighten all the screws fully.
13. Place the two hinges (U) into the hinge hole cutouts in the tabletop (V). Secure with included wood screws (W). The table setup is now complete.



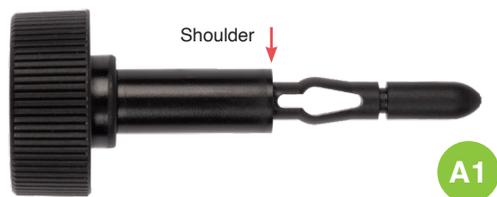
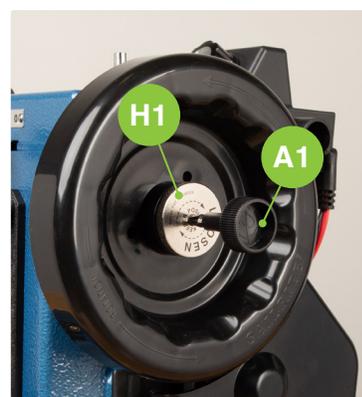
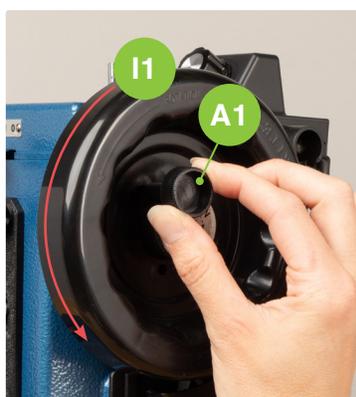
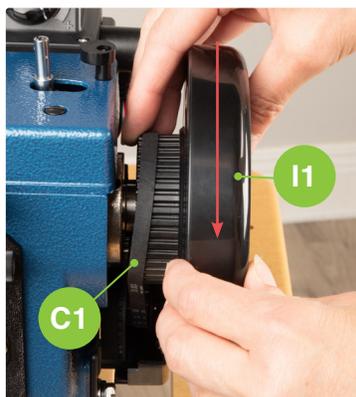
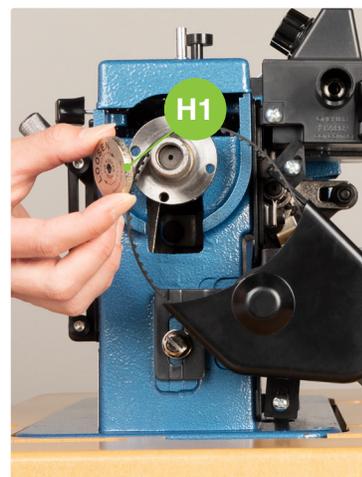
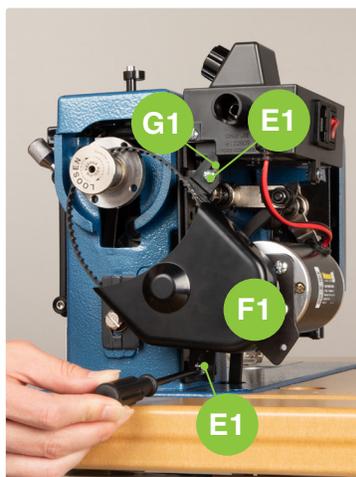
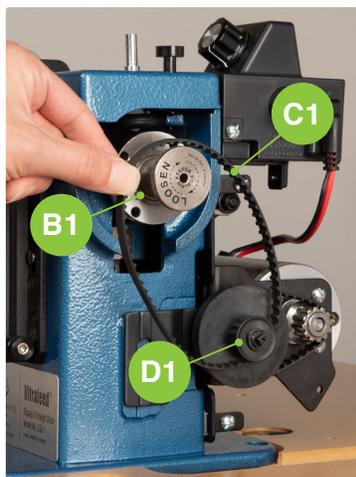
Install Sewing Machine

14. Remove the sewing machine (X), tools and all accessories from the packaging. Set the accessories aside for now.
15. Place the machine (X) facedown on a soft surface. Use the included screwdriver to loosen the set screws (Y) on the bottom of the sewing machine (X). Check to make sure the hinge holes (Z) right above the set screws (Y) are clear before proceeding to the next step.
16. Tilt the hinges (U) upward as far as they will go. Lift the sewing machine (X) at the throat. Carefully align the hinges (U) with the holes (Z) in the back of the machine (X) and lower it onto the hinges.
17. Tighten the set screws (Y) on the underside of the machine (X). Carefully tilt the machine down so that it sits flat on the ledge in the tabletop cutout (S).



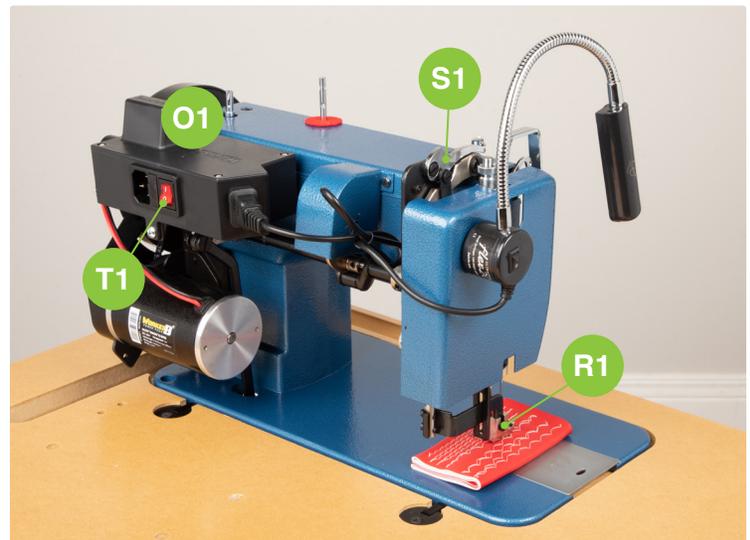
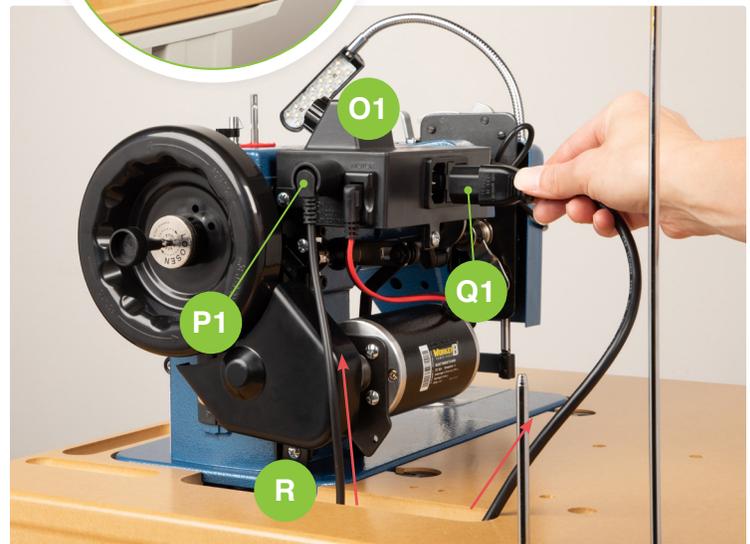
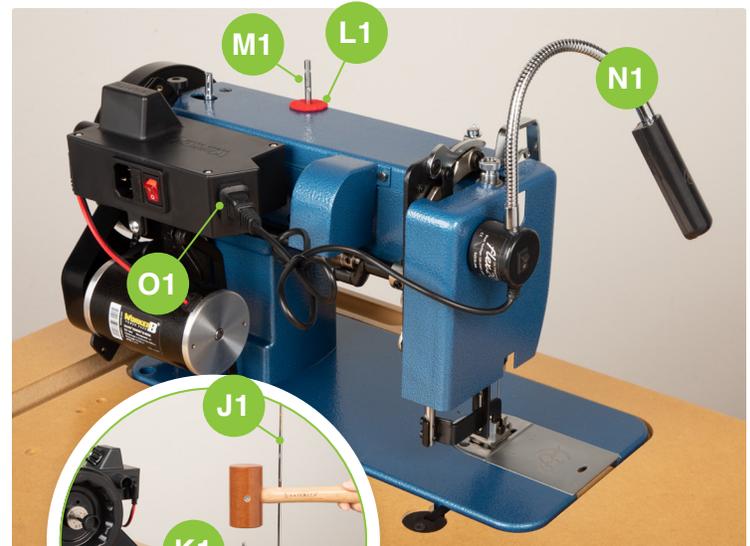
Install WorkerB® Components

18. Remove the hanging tag from the side of the sewing machine (X). On the same side, there should be a long belt (C1) looped around the speed reducer pulley (D1). Loop the other side of this belt over the balance wheel bushing (B1).
19. Remove the two belt cover screws (E1) above and below the speed reducer pulley (D1). Position the belt cover (F1) over the speed reducer pulley (D1) and long belt (C1).
20. Reinstall the top screw (E1) to secure the belt cover (F1). Position the screw at the bottom of the screw slot (G1) on the belt cover (F1), so that the belt cover is pushed up as far as it can go. Then install the lower screw (E1) at the top of the second screw slot (G1) on the belt cover (F1).
21. Unscrew the reverse-threaded Posi-Pin nut (H1). Slide the balance wheel (I1) onto the balance wheel bushing (B1).
22. Feed the long belt (C1) over the cog on the inside of the balance wheel (I1) in the same way you would install a bicycle chain. NOTE: To properly rotate the balance wheel (I1), place your hand at the top of the wheel and pull toward you. Feed until the belt (C1) is fully seated in the cogs of the balance wheel (I1).
23. Thread the Posi-Pin nut (H1) back onto the balance wheel bushing (B1) and tighten by hand. The machine (X) will not operate until the Posi-Pin (A1) is secured (see next step).
24. Find the Posi-Pin® Safety Shear (A1) that was included with the tools. It will be in its own bag. Push the Posi-Pin (A1) through any one of the holes in the balance wheel (I1).
25. While pressing on the Posi-Pin (A1), rotate the balance wheel (I1) until the Posi-Pin locks into one of the holes on the balance wheel bushing (B1). The Posi-Pin (A1) is fully inserted when the shoulder (the bottom edge of the cylindrical portion) is flush with the face of the balance wheel (I1). Rotating the balance wheel (I1) will now cause the machine (X) to function.
26. To disengage the machine (X) for bobbin winding, pull the Posi-Pin (A1) out of the balance wheel (I1). The balance wheel (I1) will now rotate without operating the machine (X). Push the Posi-Pin (A1) into the hole at the center of the Posi-Pin nut (H1) to store.



Install Accessories & Cords

27. Locate the thread stand posts (**J1**, **K1**). Use a mallet to gently tap the tall, looped post (**J1**) into the back corner hole on the tabletop (**I**). Gently tap the nontapered end of the short post (**K1**) into the hole in front of the taller post (**J1**).
28. Find the felt pad (**L1**) and spool pin (**M1**). Use a flat head screwdriver to screw the spool pin (**M1**) into the top of the machine (**X**), then place the red felt pad (**L1**) over it.
29. Place the magnetic Flex20 LED light (**N1**) in your desired location on the machine (**X**) and plug it into the standard outlet on the side of the control box (**O1**). OPTIONAL: Attach the included plastic clips to the back of the machine (**X**) and use the zip ties to hold the cord. Make sure to keep the cord out of the way of any moving machine parts.
30. Feed the foot control cord (**P1**) up through the bottom of the belt slot (**R**). Plug it into the round port on the side of the control box (**O1**).
31. Feed the WorkerB power cord (**Q1**) up through the bottom of the belt slot (**R**). Plug it into the recessed port on the back of the control box (**O1**).
32. Remove the sewing sample under the presser foot (**R1**) by raising the presser foot lift lever (**S1**) at the top of the machine. NOTE: A sewing needle comes preinstalled in the machine. Make sure the needle is raised out of the sample before removing it. See step 25 for instructions on moving the needle with the balance wheel (**I1**).
33. There should be a short section of thread already in the machine. Use this example piece to learn the machine's thread path or refer to the Ultrafeed Guidebook. Remove the example piece and thread the machine.



WARNINGS:

- Electrical items exceeding 100 watt should not be used in the control box outlet. Exceeding this limit may blow the control box fuse.
- Do not plug/unplug the foot control with the control box switched on. This could cause the machine to run unexpectedly.
- Must use a grounded outlet.
- Don't use plug adapter or extension cord without a grounded plug.



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