



SAILRITE

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# ULTRAFEED® BASIC PACKAGE SET-UP GUIDE

ASSEMBLY INSTRUCTIONS



## Ultrafeed® Packaging

The Ultrafeed® sewing machine head comes in a specially designed box and Styrofoam packaging which protects it from damage. Ultrafeed® sewing machines usually ship in one box.

Please save all original packaging to use if the machine ever needs to be sent in for service. Carriers will not pay insurance claims on improperly packaged machines even if they are insured.

**NOTE:** Do not ship a machine in its base. Always use the box and Styrofoam packaging in which it was originally shipped.

## Unpack & Set-Up Wooden Base

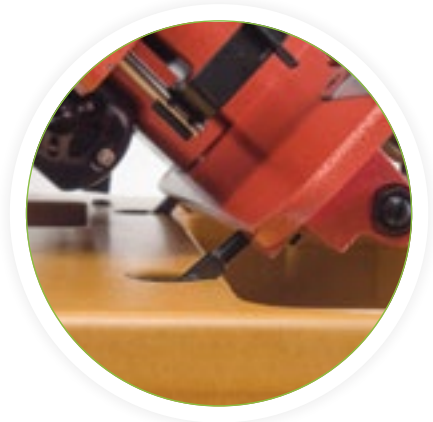
1. Remove and open the smaller inner box to find the Ultrafeed Wooden Base.
2. Follow the set-up instructions found within the base's box to install the feet and hinges to prepare the base for the machine.

## Unpack Sewing Machine Head

3. Remove the Styrofoam shipping container by carefully tilting the box and sliding the machine out. Set the Styrofoam container so that the balance wheel is away from you and the thread stand is facing up.
4. Open the Styrofoam case, removing the thread stand and balance wheel as you go. Within the Styrofoam casing is the sewing machine head, a bag of tools, and the belt cover (if the belt cover is not in the Styrofoam, check on the machine as it may have already been installed).

## Place Machine Head in Wooden Base

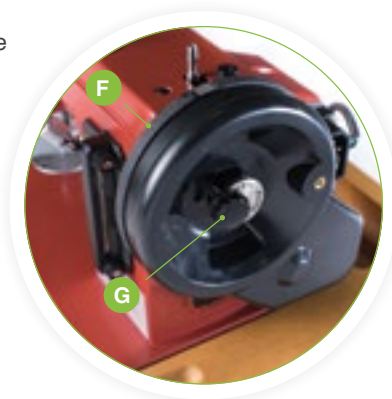
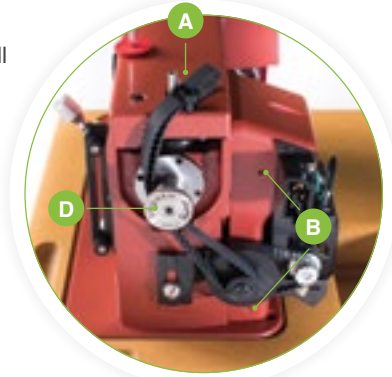
5. Check to make sure the hinge screw holes on the back of the machine are unobstructed by the set screws. If necessary, back the screws out to clear the hole.
6. On the base, tilt the two hinge posts slightly upward.
7. Lift up the sewing machine head and carefully guide the hinge posts into the hinge openings on the backside of the machine head.
8. Tip the machine head back and use a stubby screwdriver with medium head (not included) to tighten the set screws on the underside of the machine head.



## Install Balance Wheel and Belt

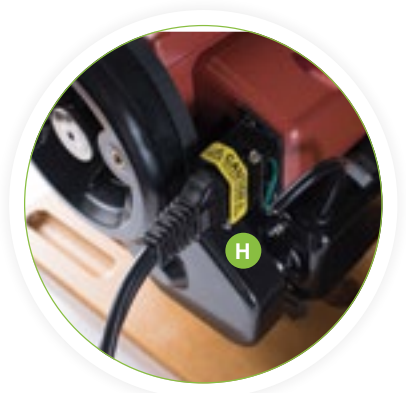
Ultrafeed® sewing machines arrive with the Posi-Pin bushing and nut installed on the upper shaft of the sewing machine. The belt that connects the idler pulley to the motor pulley is also already installed. The balance wheel and large timing belt do not come installed on the machine.

- Remove the Posi-Pin (wrapped in plastic) from the Posi-Pin Wheel Bushing.
- Verify that the timing belt is looped around the small cogged pulley of the idler pulley and between the Bobbin Winder Stopper and the Spool Pin (A).
- Remove the two screws located above and below the pulley drive (B). Position the belt cover over the idler pulley and belt. Snug the two screws back in place to secure the belt cover (C). You may need to adjust the placement of the belt cover after the balance wheel is installed to be sure that there is proper clearance all around the underside of the wheel.
- Free the top of the Timing Belt by pushing the Bobbin Winder Stopper away from the belt. Unscrew the reverse-threaded Posi-Pin Nut (D). Slide the Power Plus Balance Wheel onto the Posi-Pin Wheel Bushing, making sure the Timing Belt is over top of the machine (E) and to the left of the balance wheel.
- Thread the reverse-threaded nut back onto the bushing and tighten by hand.
- Check to be sure the Timing Belt is still around the small cogged pulley of the idler pulley. If it is, install the balance wheel belt. Turn the balance wheel while guiding the belt into place around the large wheel from the inside (just like a bicycle chain) (F).
- Rotate the balance wheel until a hole in the balance wheel is aligned with one of the four bushing holes (use any of the three balance wheel holes available). Push the Posi-Pin through the holes to lock the balance wheel to the bushing (G) (it will spring back slightly). Rotation of the balance wheel will now cause the machine to function.
- To disengage the clutch (for bobbin winding), pull the Posi-Pin out of the balance wheel. The balance wheel will now rotate without operating the machine. Push the pin into the hole at the center of the Posi-Pin nut to store.



## Plug Ultrafeed® In

17. Open the smallest box in the shipment to find the machine accessories.
18. Plug the cord from the foot control into the socket wired to the motor (H). The plug can only be inserted properly one way. Regular household current should be used (115 volts for 110V power systems or 220-240 volts for 220V power systems, 50-60 HZ).



## Install Spool Pin

19. Find the spool pin (silver threaded rod about 2" long) in the tool bag.
20. Position the spool pin on top of the machine (I) and use to wind bobbins by passing the thread through the most direct hole. For home sewing use the pin to hold the thread spool. The spool must spin clockwise.
21. Place the red felt disk over the Spool Pin. This disk is used to cushion thread spools.



## Assemble Thread Stand

22. Insert the long rod into the outlying hole in the base. Position the hook end up over the base and secure with the set screw (J). Insert the smaller rod, a post support for the thread spool, into the center hole with the tapered end facing up and hammer in with force (K).



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Ultrafeed Set-Up Guide for Basic Model

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