
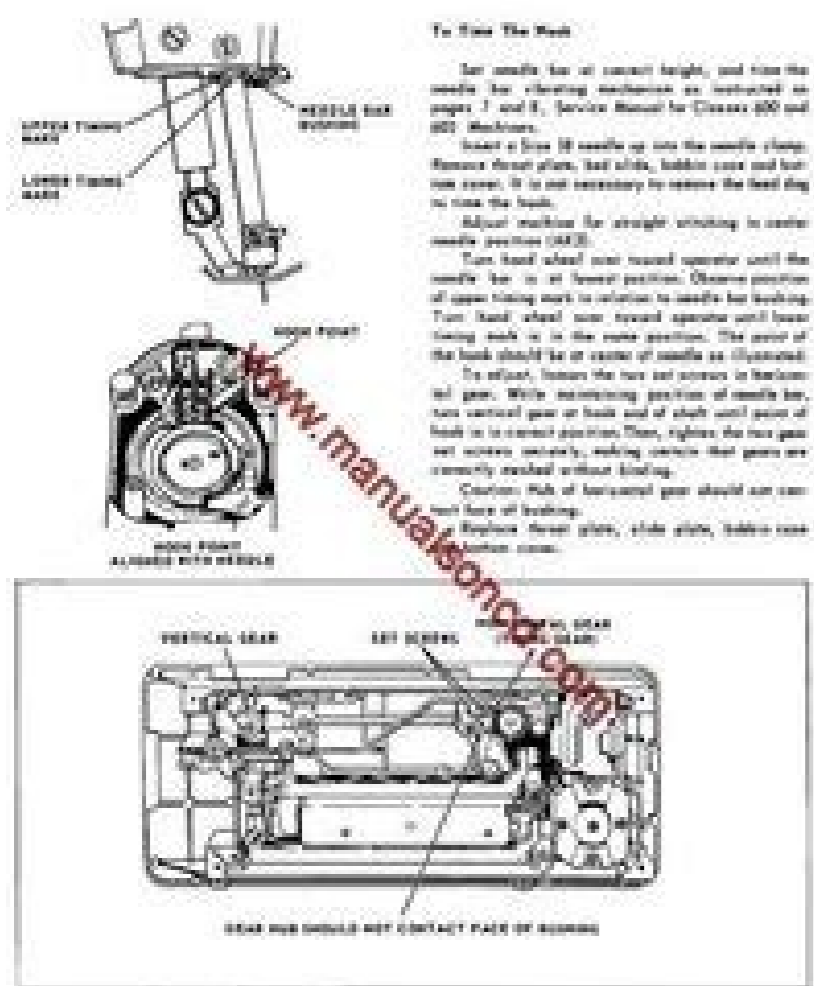


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ROTATING HOOK (CONT'D)

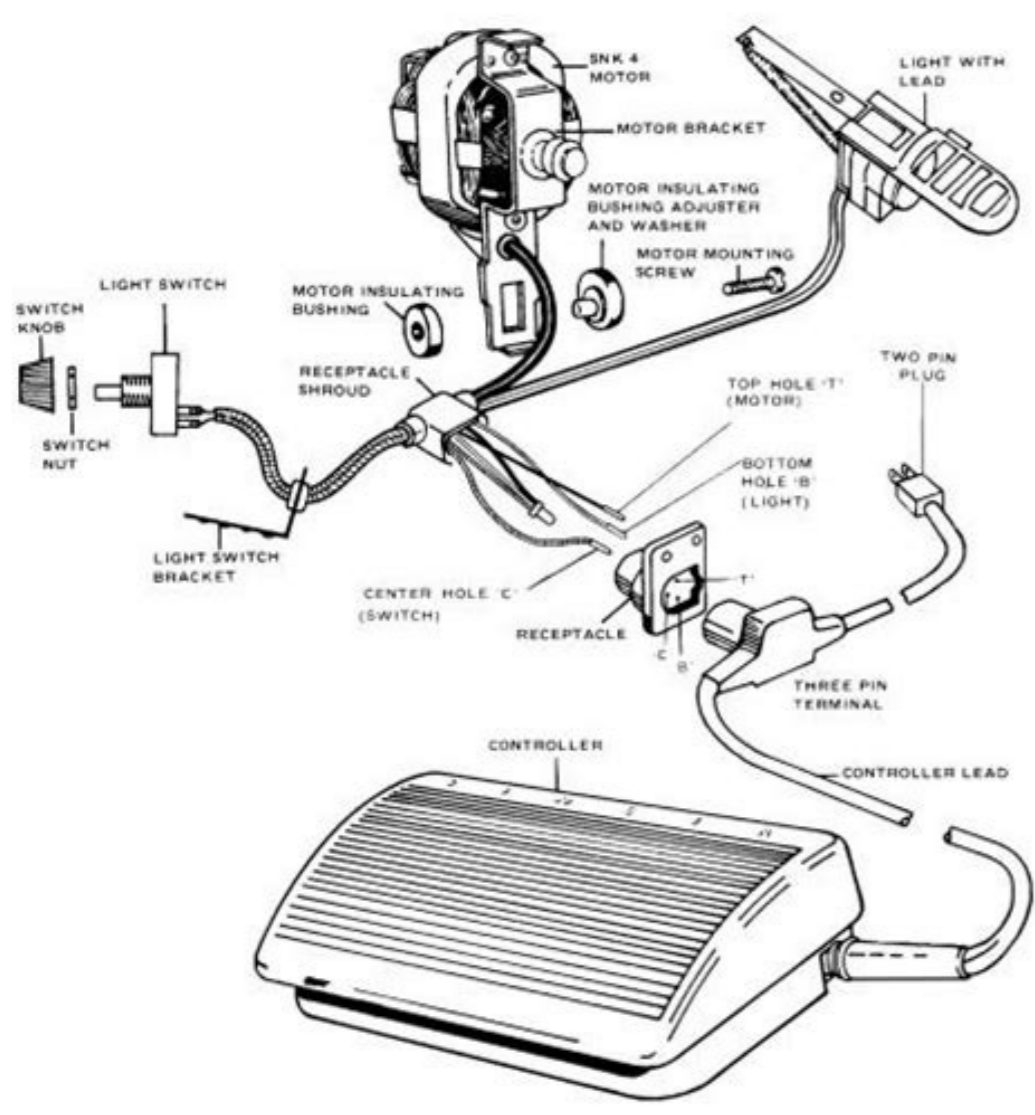


To Fine The Hook

Set needle bar at correct height, and raise the needle bar clearing mechanism as instructed on pages 7 and 8, Service Manual for Classes 400 and 401 Machines.
Insert a Size 18 needle up into the needle clamp. Remove throat plate, bob wiper, bobbin case and foot and cover. It is not necessary to remove the bobbin to fine the hook.
Adjust machine for straight stitching to create needle position (A).
Turn hand wheel one round counter until the needle tip is at lowest position. Observe position of upper flange mark in relation to needle bar hooking. Turn hand wheel one round reverse until lower flange mark is in the same position. The point of the hook should be at apex of needle as illustrated.
To adjust, loosen the two set screws in horizontal gear. With remaining portion of needle bar, turn vertical gear or hook end of shaft until point of hook is in correct position. Then, tighten the two gear set screws, securing needle position and gears are correctly marked without binding.
Caution: Mark of horizontal gear should not come off face of hooking.
Recheck throat plate, shoe width, bobbin case and foot cover.

WIRING DIAGRAM

MACHINES 466, 477 and 478
FIG. 77.



THE BOBBIN CASE

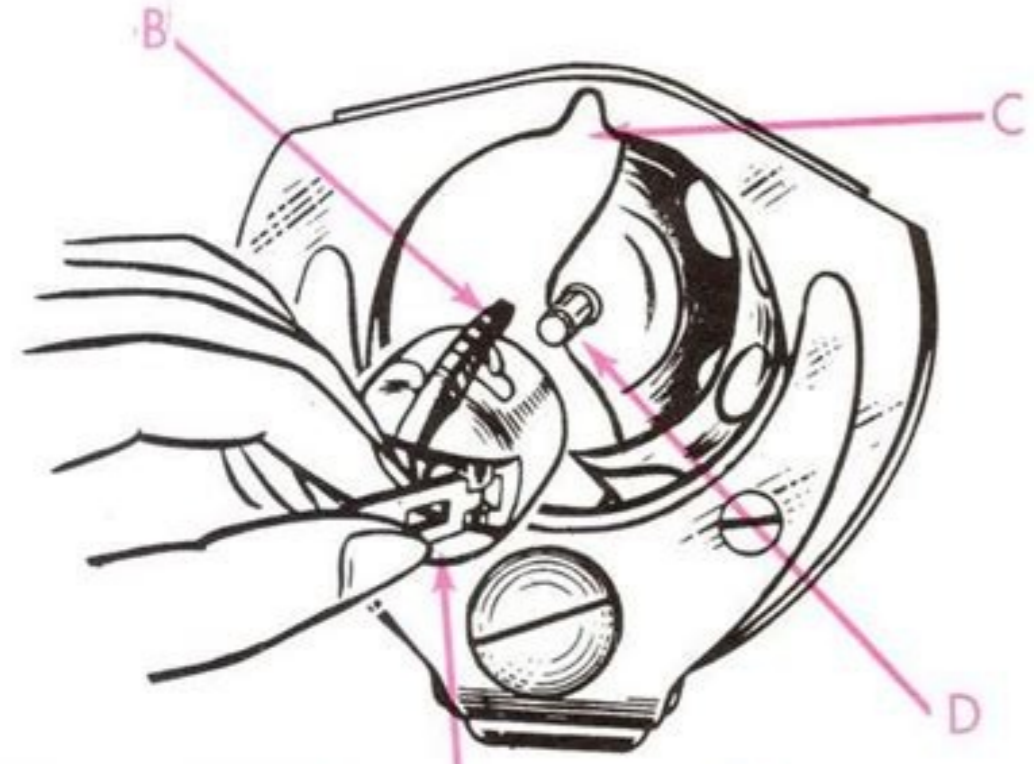


Fig. 2

IMPORTANT
In the following operations the needle must always be ABOVE the surface of the machine. Raise the needle by turning the balance wheel TOWARD YOU by hand.

REMOVING THE BOBBIN CASE

Pull the hinged plate, (Fig. 4). With left thumb and forefinger, open the hinged latch (A) (Fig. 2) at the front of the bobbin case and hold securely as you withdraw bobbin case from around the holder post (D). When held in the above manner the bobbin will not fall out of the bobbin case.

INSERTING THE BOBBIN CASE

After winding a fresh bobbin and threading the bobbin case (see pages 5 and 6), hold the bobbin case latch with left thumb and forefinger, (as explained above) to prevent the bobbin from falling out. Keeping the protruding finger (B) topside toward the delivery eye (C), press the bobbin case around the holder post until the finger enters the delivery eye. When in correct position a stud on the holder post will catch the latch mechanism holding the bobbin case firmly in place. This operation is easy — NEVER FORCE IT. The three or four inches of thread hanging free from the bobbin case will be brought up through the needle plate stitch hole as shown on page 8.

