



Perfect Timing

Watch & Clock Repairs

106 Mississauga Street East

TRANSPORT

First remove the pendulum. For most clocks (like cuckoos and Dutch wall clocks) pull the weights to the top and remove them. Others like cable held weights (OG clocks) often need to be completely wound down before the weights can be removed and the pulleys or hooks tethered to keep them from getting tangled.

CHOOSING A LOCATION

The clock must sit/hang on flat surface with no vibrations. Wall clocks should not be on a wall next to a door, especially sliding patio doors, as the vibrations can affect the swing of the pendulum. Hang the clock on wall, either by screwing into a stud or using another secure method.

SET UP

Level the clock - side to side and front to back. For wall clocks be sure to anchor the clock at the bottom to keep it from shifting when you pull/crank the weights up or open the door. Once the clock is secure and level hook up the pendulum and weights. Start the clock by moving the pendulum to one side and gently releasing it or by giving it a gentle nudge, don't whip it across the case. Check the pendulum. It should be clearing the front and back of the opening in the bottom of the case and not rubbing against or hitting anything.

SETTING THE TIME:

Being a mechanical device, the accuracy can vary up to one minute per day. This means it may be out by as much as 7 min per week and still be within acceptable standards. Simply reset the time weekly using the minute hand. Be careful not to catch or drag the hour hand along with the minute hand as you move it.

German style clocks: If you need to reset the time by hours, you may turn the hands forward as much as you need without stopping, until you reach 12:00. Then you must allow the clock to strike and chime, allowing the strike mechanism to disengage, then continue to the correct time. The clock will then take a full hour to self- correct the chime.

American style wall clocks: must be allowed to finish striking every hour and half hour when you set the time. If your American clock gets "out of sync" (strike does not match time), this is easily corrected by matching the hour hand to the number of strikes. Eg. If the clock shows 2 o'clock, but strikes 3 times, move just the hour hand to show 3 o'clock to match the strike. Now move the minute hand (as you normally would to set the time) to 4 o'clock to confirm. The clock should now strike 4 times. Next set the time to "real" time in your usual way. If the strike goes out of sync by half an hour move the minute hand past the half hour and hour before the strike can finish.

REGULATING

Timekeeping may vary slightly between our shop and your home, depending on environmental conditions. To regulate a pendulum clock, you must raise or lower the "bob" on the pendulum. This is commonly done by means of the nut at the base of the pendulum. Most cuckoos don't have a nut, the "leaf" just needs to be slid up or down, in small increments, on the wooden shaft. To make the clock run faster: raise the bob; to make the clock run slower: lower the bob. **Make notes!!!** Write down how much the clock was off and what you adjusted it by, or you could very quickly find your clock gaining or loosing more time than it did before with no idea how to fix it! Again +/-1 min per day is expected on most clocks, so typically, resetting the time with the hands is simpler.

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