

W R I S T B U I L T

ASSEMBLY INSTRUCTIONS

NH35 Automatic

Make the Movement Yours.

Automatic · 62 steps · 10 stages

Your kit's own dial, hand set and bracelet are described on the insert sheet packed with the kit.

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What’s in your kit



One kit, laid out. Your dial, hands and bracelet may look different from these — the insert sheet describes yours.

- ☐ 1 Case, with bracelet and crown fitted
- ☐ 2 Movement, with temporary stem fitted
- ☐ 3 Dial
- ☐ 4 Hands — hour, minute, seconds
- ☐ 5 Crown stem

CHECK YOUR KIT OFF BEFORE YOU START

If anything on this list is missing or damaged, get in touch before you start building — not after. Our address is on the last page.

Tools you'll need



IN THE KIT — CHECK THEM OFF

- | | |
|---|---|
| ☐ Movement holder | ☐ Plastic tweezers |
| ☐ Hand-setting pushers | ☐ Green putty |
| ☐ Pliers | ☐ Screwdriver |
| ☐ Gasket greaser | ☐ Thread locker |
| ☐ Case back ball | ☐ Finger cots |

NOT IN THE KIT — FIND THESE AT HOME

A tray or folded towel to work over, a small ruler to measure the stem, and a clean microfibre cloth for the last step.

Before you start

- 01 Wear the finger cots. Skin oil marks a dial permanently.
- 02 Work on a clean, flat, light surface with nothing else on it.
- 03 Work over a tray or towel. Small parts bounce and vanish.
- 04 Never force anything. If it resists, stop and re-read the step.
- 05 Take your time. No step here is improved by rushing.
- 06 Allow about two hours the first time. The build itself is shorter than that, but rushing is how hands get bent — the extra time is there so you never have to hurry a step.

BUILDING FOR THE FIRST TIME

Our video guide follows the whole build at bench speed. First-time builders usually find it easier to watch alongside these pages than to read ahead.

[PLACEHOLDER: video guide URL]

Setting up

STEPS 1 – 3

1

Set up your space

Clear a flat, light surface. Work over a tray or towel so dropped parts don't vanish, and put the finger cots on before you touch anything.

2

Check your parts off



Lay the kit out and check it against the list on page 3. Do this now — a part you discover is missing halfway through a build is a part you cannot work around.

3

Seat the movement in the holder



Place the movement in the holder with the dial side facing up and the blue stem at 3 o'clock. It comes back out in a moment for the dial work.

Preparing the dial

STEPS 4 – 9

FOUR FEET, TWO OF THEM CUT OFF

The dial is made to fit more than one movement, so it carries four feet on its back. The NH35 uses two of them. The other two have to come off before the dial will sit down — this stage removes them. Cut the wrong two and the dial will not locate.

4

Turn the dial over

Lift the movement out and set it somewhere safe for a moment. Lay the dial face down on the holder's cushion so the four feet point up at you — the cushion is what protects the face, and this is the easiest moment in the whole build to scratch it.

5

Find the feet to remove



Two of the four feet line up with the NH35's holes. The other two do not. The circled feet are the ones to remove.

6

Cut the first foot

Take the pliers right down to the base of the foot and cut it flush. Hold the offcut with your other hand as you cut.

WARNING

Cut over a tray, with the dial face down and your fingers behind the blades. The offcut is small, sharp, and flicks. Brush the dial clean before it goes anywhere near the movement — a fragment of brass that falls inside will stop the watch.

7

Find the second foot

Turn the dial and find the second foot to remove, on the opposite side.

8

Cut the second foot

Same again — flush to the base, held as you cut.

9

Check the dial

Two feet left, both cut stubs flush, no burr standing proud. Run a fingertip over each stub through the cot: anything you can feel will hold the dial off the movement.

Fitting the dial

STEPS 10 – 13

10

Line the dial up



Put the movement back in the holder, dial side up, with the blue stem at 3 o'clock. Pick the dial up by its edges and turn it so the 3 o'clock side — the date window — sits over the stem.

11

Lower it straight down

Bring the dial down flat onto the movement with the two feet over their holes. Lower it. Don't slide it across.

12

Press the feet home



Press gently on the dial, over each foot in turn, until it seats.

WARNING

If a foot will not go in, stop and re-check the alignment. Do not press harder. A foot pushed in crooked bends, and a bent foot means a dial that will never sit flat again.

13

Check it sits flat

Look across the dial at eye level. It should sit level on the movement with no gap at any edge.

Finding twelve o'clock

STEPS 14 – 17

WHY THE DATE TELLS YOU WHERE TWELVE IS

The hands are not fitted yet, so there is nothing on the dial to point at twelve. But the movement knows: the date changes over at midnight. Advance the movement until the date flips and the hand pivots are standing exactly at twelve. Setting the time by eye instead will put every hand on at an angle you cannot correct later without levers.

14

Pull the stem all the way out



Pull the blue stem out to its furthest position. That stops the movement, so the pivots stand still while you work on them. Leave it out until step 34.

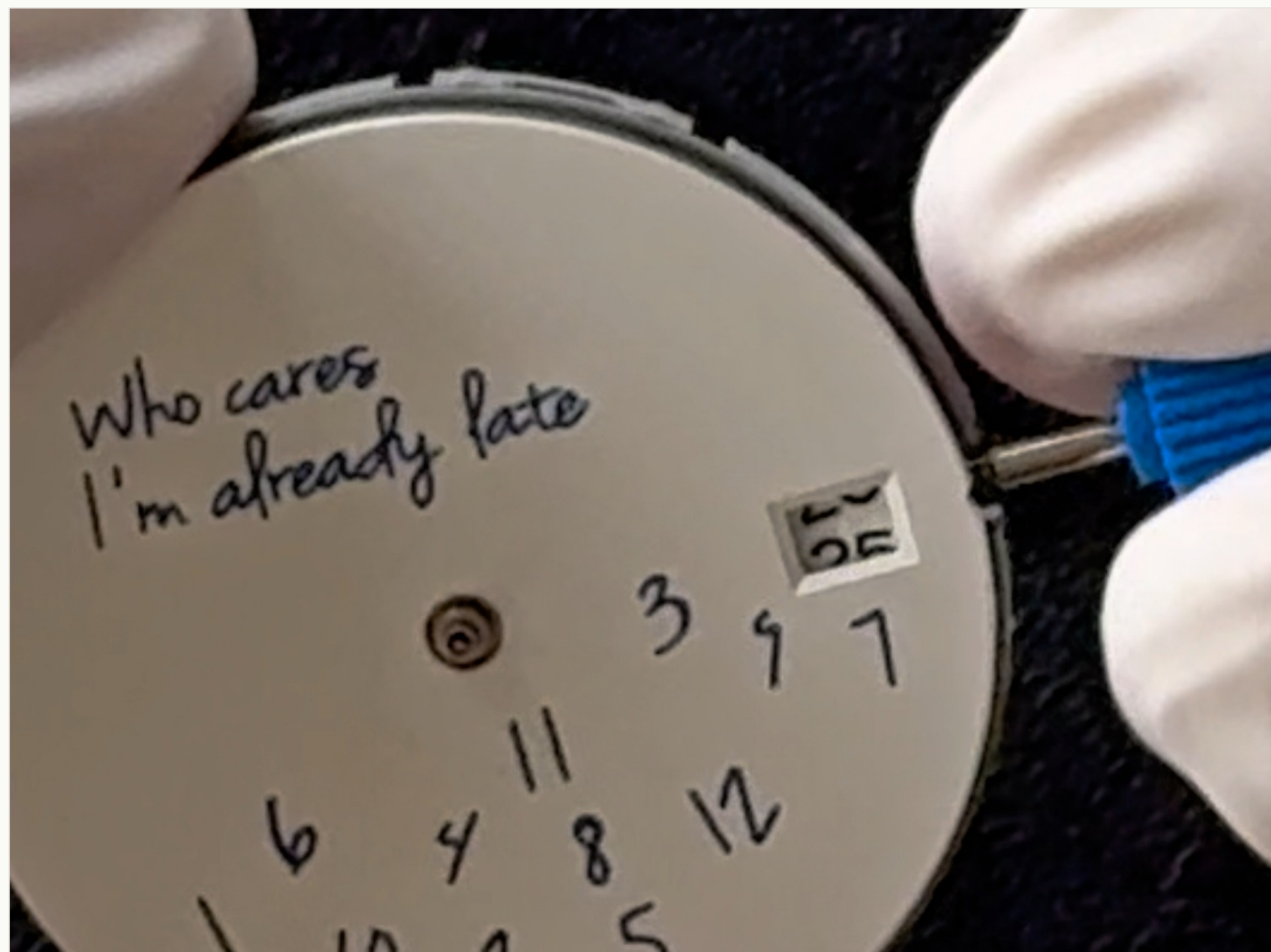
15

Turn the stem away from you

Turn the blue stem slowly away from you.
The date wheel under the dial will start to
creep round.

16

Watch the date window



Keep turning and watch the window, not the stem. The date will sit still, then change over in one movement.

17

Stop the moment it flips



The instant the new date lands, stop. Don’t turn any further. The movement is now at twelve o’clock — everything from here is fitted against that.

Fitting the hands

STEPS 18 – 34

THE FIDDLIEST PART OF THE BUILD

Three hands, three pivots, each smaller than the last. Take them in order: hour, minute, seconds. Each hand is picked up on the green putty, laid on its pivot, and pressed straight down with a pusher.

IF A HAND HAS TO COME OFF AGAIN

Taking a fitted hand back off needs hand levers. Do not improvise with tweezers, a blade or the putty — you will bend the hand or the pivot under it. Stop and get in touch and we will sort it out.

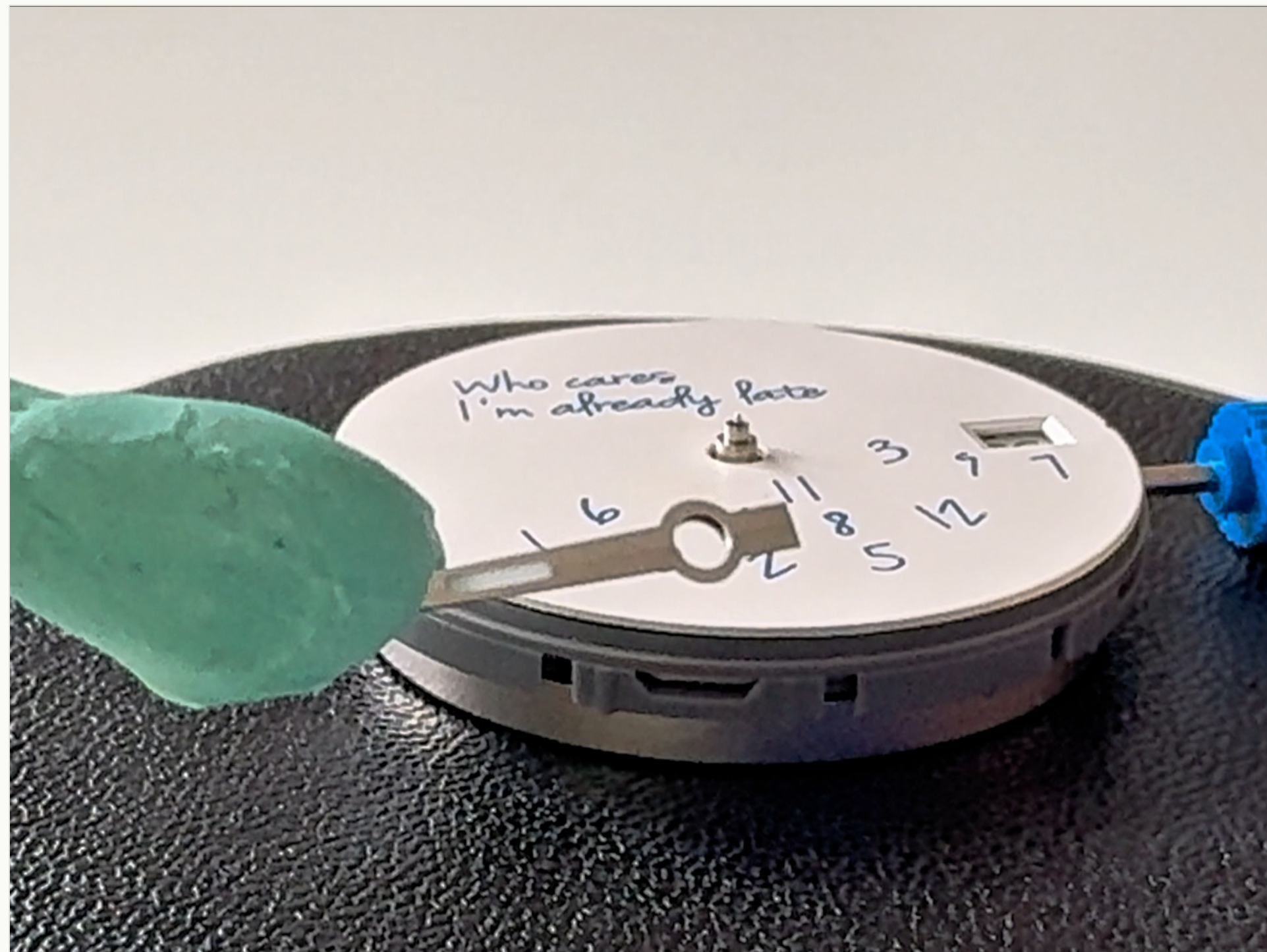
18

Green putty

The green putty picks a hand up without your fingers ever touching it, and lets go again without pulling it back off. Pinch off a piece and work it soft.

19

Pick the hour hand up



Press the very tip of the hour hand into the putty — the tip only, so the hole at the other end stays clear and visible.

20

Take the black pusher



Use the **black tip** on the **black pusher** for the hour hand.

21

Lay the hand at twelve

Lower the hand onto the centre pivot with the putty, pointing it directly at twelve. Line it up before any pressure goes anywhere near it.

22

Press straight down

Lift the putty clear, then hold the pusher vertical and press straight down onto the boss of the hand.

WARNING

Press straight down, never at an angle. A hand started crooked will not seat, and the pivot underneath bends before the hand does.

23

Check the hour hand turns

Turn the hour hand all the way round with the putty. It should turn freely, not touch the dial, and not be bent. Look across it at eye level.

24

Return it to twelve

Bring the hour hand back to twelve before you fit anything else.

25

Pick the minute hand up



Same as before — tip into the putty, hole left clear.

26

Take the silver pusher, black tip

The minute hand uses the **black tip on the silver pusher.**

27

Lay it on the pinion

Lower it onto the centre pinion, pointing at twelve, directly over the hour hand.

28

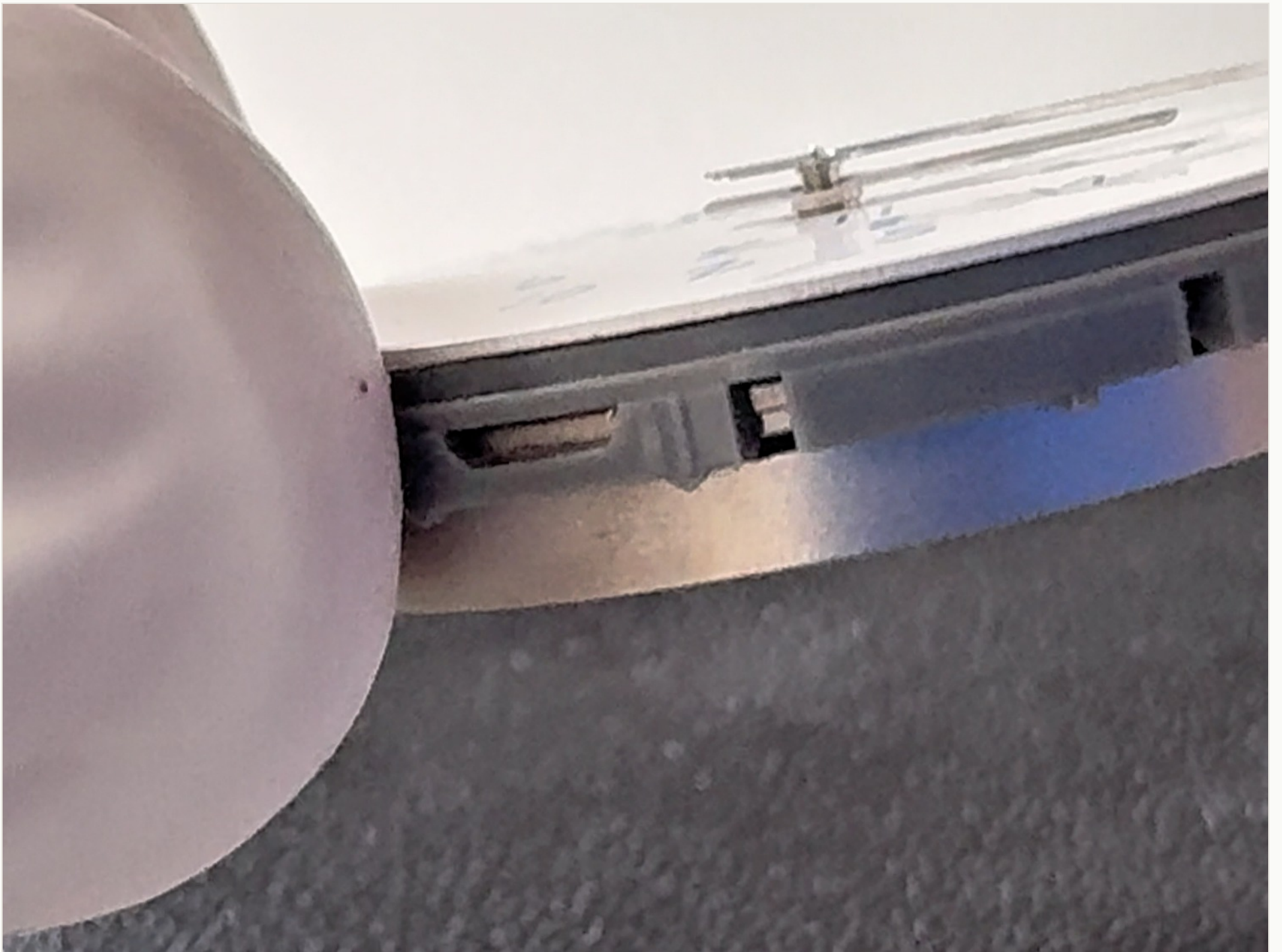
Press it home



Lift the putty clear, then press straight down.

29

Check the two hands clear each other



Turn both hands round together. They must not touch each other and must not touch the dial. Look across the dial at eye level to check the gap between them.

30

Pick the seconds hand up

This is the hardest step in the build — the pinion is much smaller. Pick the seconds hand up on the putty by its counterweight tip.

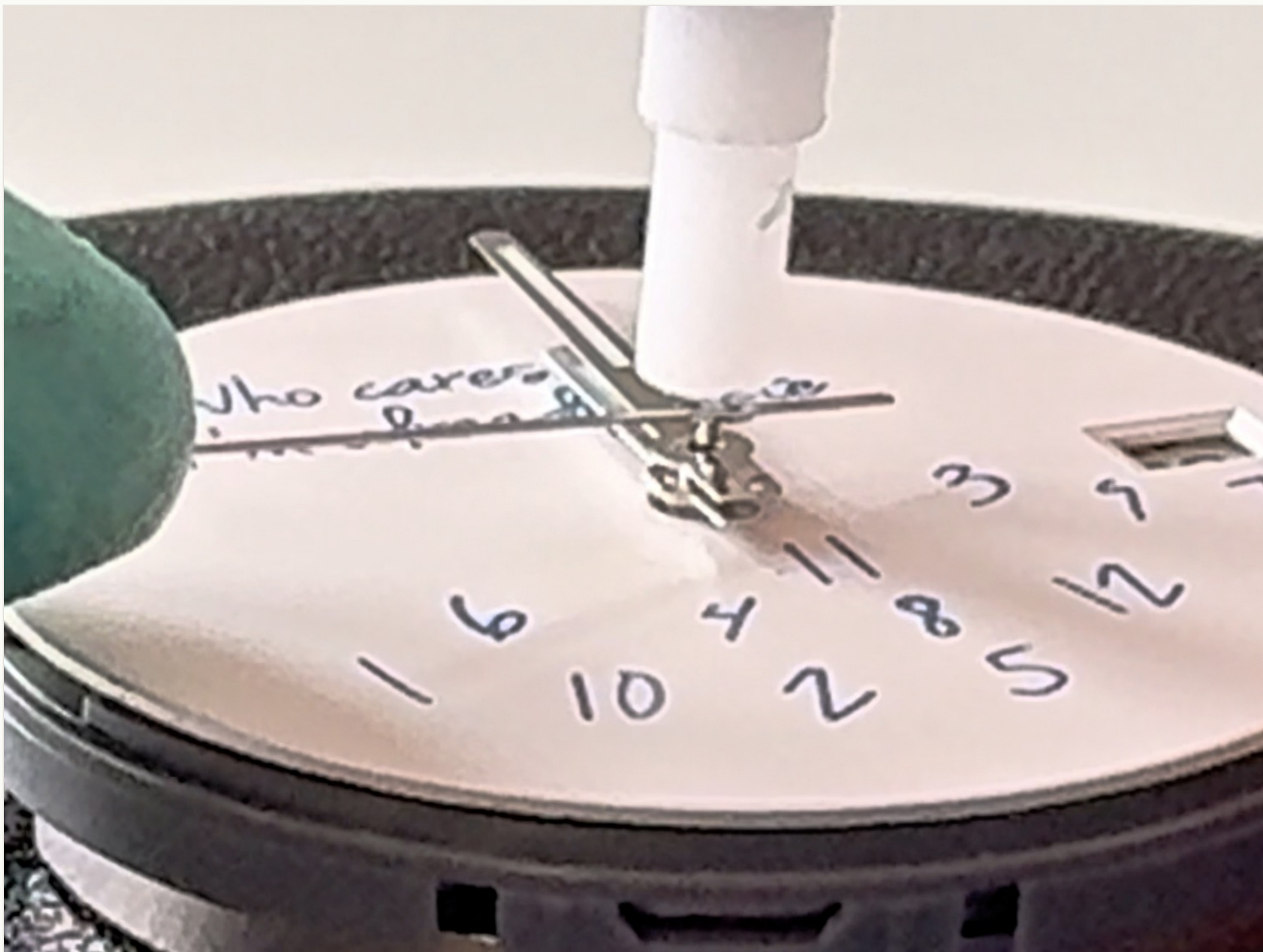
31

Take the white tip

The seconds hand uses the **white tip on the silver pusher.**

32

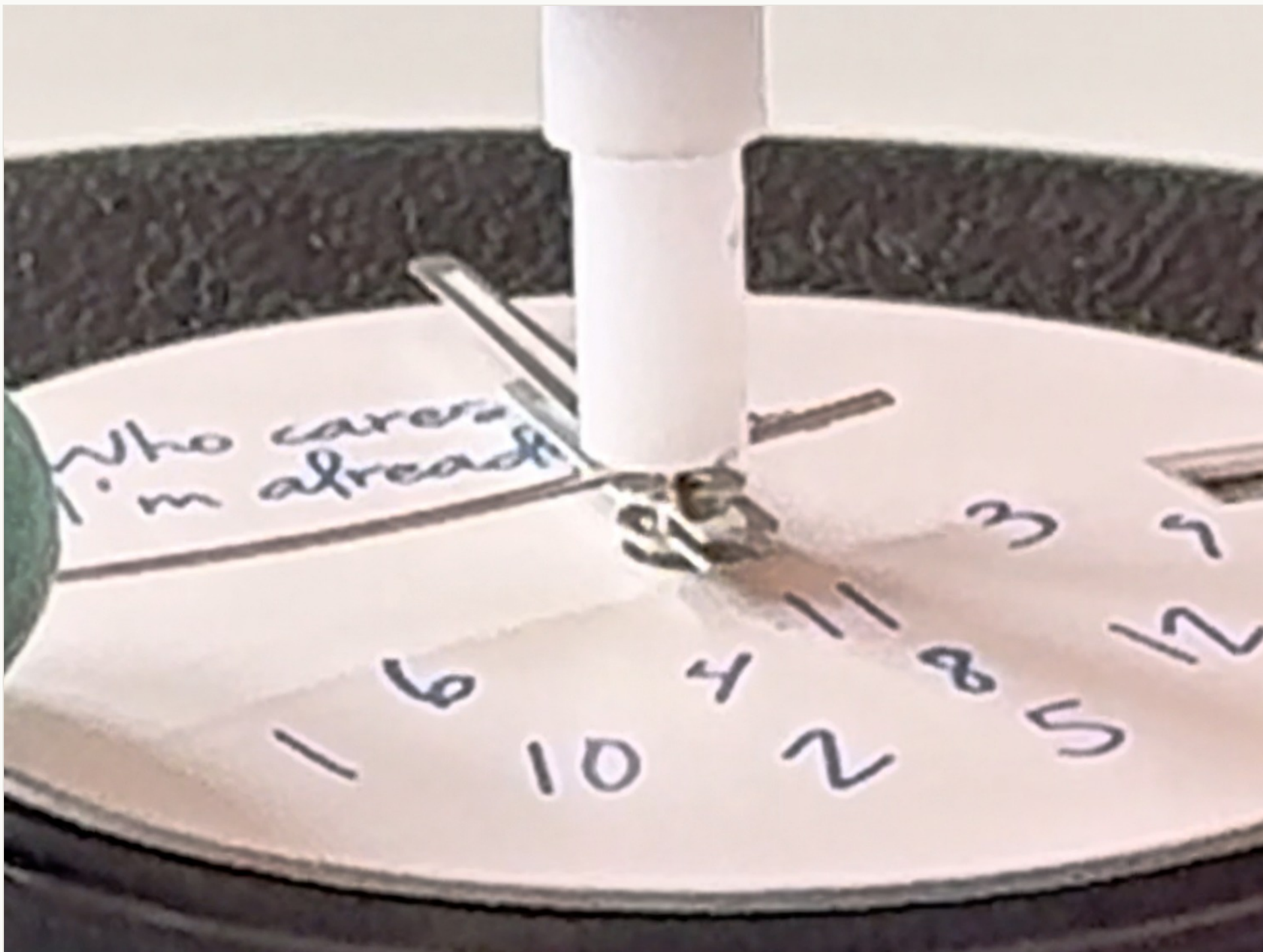
Find the pinion



Lower the hand until its hole is over the seconds pinion and move it about until you feel it drop on. You will feel the difference — a hand sitting on the pinion sits differently from one resting beside it. Do not press until you feel that.

33

Press it home



Once it has found the pinion, lift the putty clear, then press straight down.

34

Test that it runs



Push the blue stem all the way in. The seconds hand should start moving. Then pull the stem out again, turn all three hands round once, and check nothing scrapes and nothing is bent.

Removing the temporary stem

STEPS 35 – 38

THE HANDS MUST NOT TOUCH ANYTHING

To release the stem you press a lever on the back of the movement, which means turning the movement over. The hands you have just fitted are now on the underside. Support the movement by its edge and keep the dial clear of the bench. Pressing a movement face-down onto a cushion to free the stem will bend the hands.

35

Turn the movement over

Lift the movement out of the holder and turn it over so the back faces you. Hold it by its edge, with the dial and hands clear of everything.

36

Find the setting lever



There is a small lever on the back of the movement, near the stem. Circled here. That is what releases the stem.

37

Press the lever and draw the stem out

Hold the movement up, clear of the bench.
Press down on the lever and, holding it down, pull the blue stem straight out.

WARNING

Keep the dial and hands clear of the bench, the holder cushion and your fingers the whole time. Nothing should ever bear on a fitted hand. Do not rest the movement face-down to do this.

38

Set the stem aside



Put the blue stem somewhere safe. You are finished with it, but it is the part you would need if anything had to come apart again.

Preparing the case

STEPS 39 – 45

39

Unscrew the crown off the case



Unscrew the crown off the case and set it down. It goes back on shortly, onto the steel stem.

40

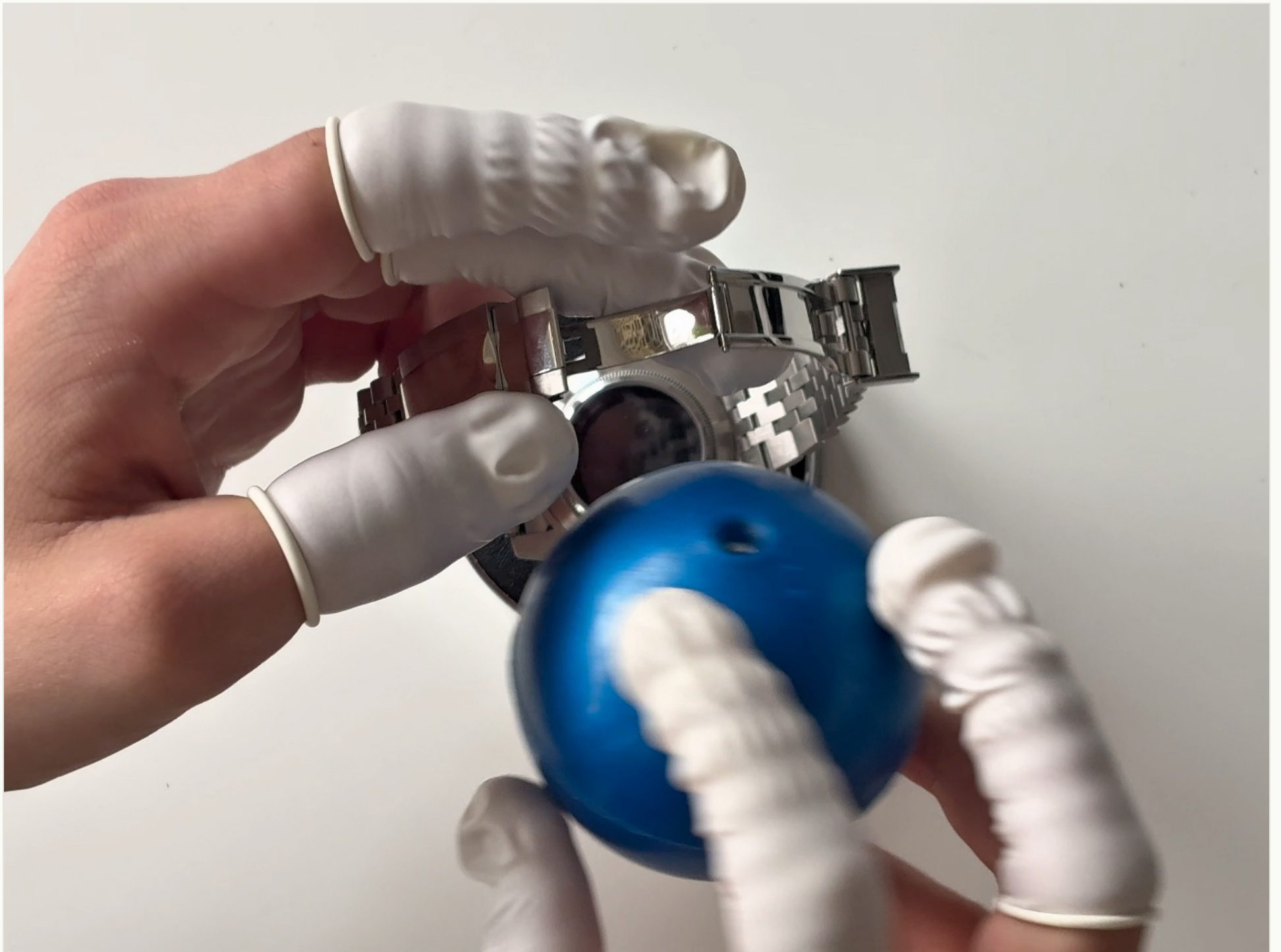
Screw the crown onto the stem



Thread the crown onto the steel stem by hand until it stops.
No thread locker yet — the stem still has to be cut to length, and the crown comes off again to do it.

41

Open the case back



Turn the case over. Press the case back ball down onto the case back and turn **anti-clockwise**, pressing as you turn. It will loosen.

42

Lift the case back away



Once it is loose, lift the case back off with your fingers.

43

Lift the gasket out



Inside the case back is a rubber gasket sitting in a groove. Lift it out with the tweezers and set it down.

44

Grease the gasket



Drop the gasket onto the pad inside the greaser, put the lid back on, and twist. The twist drags the gasket through the grease and coats it all the way round.

WHAT THE GREASE IS FOR

Grease keeps the rubber supple and helps the gasket sit and slide properly in its groove. It does not make the watch waterproof. See the safety page at the back.

45

Set the greased gasket aside

Put it somewhere clean where it cannot pick up dust. It goes back in at step 58.

Casing the movement

STEPS 46 – 48

46

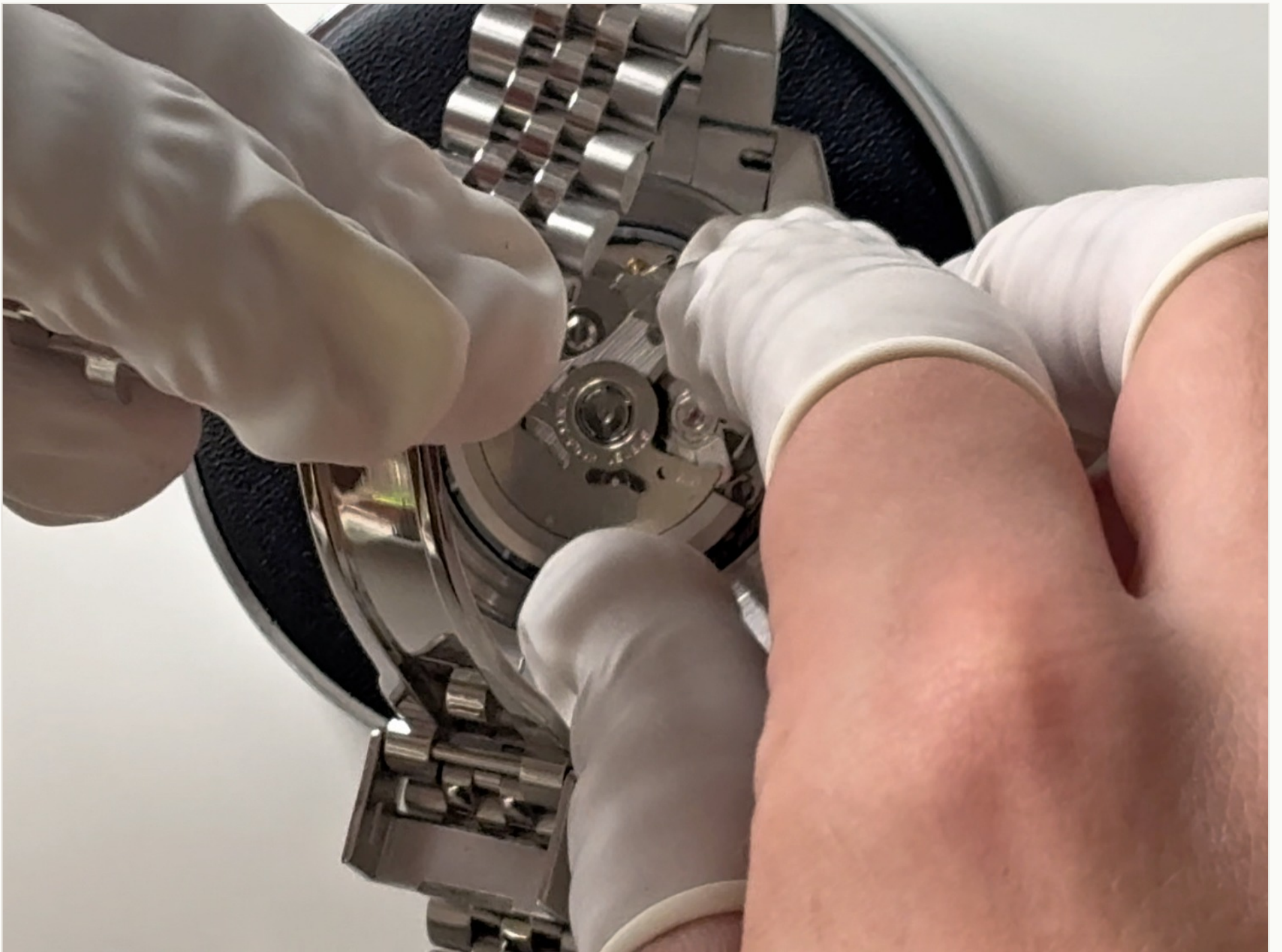
Line the stem hole up



Hold the case over the movement and turn the movement until the hole in the side of the movement — where the stem goes in — lines up with the hole in the side of the case.

47

Place the movement into the case



The case comes down over the movement, not the movement up into the case. Keep the two stem holes lined up and press down evenly.

48

Check it is seated



You should hear or feel a click or two. Turn the case over: the movement should not move or fall out.

IF IT WILL NOT GO DOWN

Stop pressing. The movement is almost always rotated. Lift the case away, turn the movement until the two stem holes line up, and bring the case down square.

Stem and crown

STEPS 49 – 55

CUT IT SHORT IN STAGES, NEVER IN ONE GO

The stem arrives longer than your case needs. You measure the excess, cut a little, test-fit, and repeat. A stem cut too short is scrap — there is no way back. Six small cuts is a normal first build.

49

Slide the stem in



Push the crown and stem gently into the case and into the movement. You will know it is in when you can no longer pull it out.

WARNING

Never force the stem. It will snap before the movement gives.

50

Measure the excess

Push the crown in as far as it goes and measure the gap between the crown and the case with a ruler. That gap is roughly how much stem has to come off.

51

Release the stem



Press down on the setting lever — you can press it against the bench now, because the movement is in the case and the hands are protected — and pull the stem out.

52

Cut a little off



Take the crown off the stem, and cut **less than you measured**. You can always take more off; you can't put it back. Cut over the tray.

WARNING

Hold the offcut as you cut, keep your fingers behind the blades, and cut over the tray. The offcut flies.

53

Test-fit

Screw the crown back on, slide the stem in, and look at the crown against the case. Not flush yet? Take it out and repeat steps 51 to 53. About six cuts is normal for a first build.

54

Test it properly



When the crown sits flush against the case, test it before anything permanent happens: pull the crown out, set the time, push it back in. It should pull out, set, and push home cleanly.

55

Thread locker and fit for good



Take the crown off one last time. Put **one small drop** of thread locker on the stem thread, screw the crown back on, and slide the stem home gently.

WARNING

Only do this once step 54 has passed. Thread locker on a stem that is still the wrong length means a replacement stem.

Closing the case and finishing

STEPS 56 – 62

56

Clean everything before you close it

Wipe the crystal, the inside of the case back and the case edge with a clean cloth.

57

Check for dust

Hold the watch under a light and look across the dial at an angle. Any speck of dust or fibre on the dial or the underside of the crystal is sealed in for good once the back goes on. Blow or lift it off now.

58

Seat the gasket



Lay the greased gasket back into its groove in the case back. Run round it once with a fingertip: it should sit flat all the way round, not twisted, not riding up.

59

Start the case back by hand

Put the case back on and turn it clockwise **by hand** until it starts to thread.

WARNING

If it will not start by hand, stop. Take it off, check the gasket is lying flat, and start again. Forcing a case back cross-threads it.

60

Tighten it down



Press the case back ball on and turn clockwise until it is firm. Stop as soon as it stops turning easily. Do not overtighten.

61

Peel the film and wipe down

Lift the protective film off. Take the finger cots off and wipe the whole watch down with a clean microfibre cloth — every fingerprint you have left on it comes off now.

62

Set it and wear it

Pull the crown out, set the time, and push it back in. The NH35 is automatic: wear it and the motion of your wrist winds it. If it has stopped, turn the crown to wind it, or rock the watch gently until the seconds hand starts.

You built that.

If something isn't right

WHAT TO DO

Check the headings on the next pages for the one that matches what you are looking at.

A hand won't stay seated

FIX Check you are pressing straight down with the pusher held vertical. A hand started at an angle will not hold. If it still will not seat, the hole in the hand or the pivot beneath it is likely damaged. Stop there and get in touch — taking the hand off again needs levers, and we will arrange a replacement part.

Hands touch each other, or touch the dial

FIX One hand is sitting too low or too high. Look across the dial at eye level to see which. Correcting it means taking that hand off and refitting it, which needs hand levers — get in touch rather than trying to lift it with what is in the kit.

The seconds hand doesn't move when the crown is pushed in

FIX The hand is sitting beside the pinion rather than on it. Check that the movement runs at all: look at the balance wheel through the case back. If the balance is turning and the seconds hand is not, the hand is not seated.

The dial won't sit flat

FIX One of the cut feet has left a burr, or a foot went in crooked. Lift the dial, feel each stub, and check both remaining feet are straight.

The crown doesn't sit flush against the case

FIX The stem is still too long. Take the crown off, take a little more off the stem, and test-fit again before any thread locker goes near it. If you have already fitted a crown with thread locker and it stands proud, a replacement stem is the safer route.

The case won't go down over the movement

FIX Stop pressing. The movement is almost always rotated: its stem hole has to line up with the hole in the case. Lift the case away, turn the movement, and bring the case down square.

The case back won't seat flat

FIX Take it off and look at the gasket. If it is twisted, pinched or riding up out of its groove, lay it flat again all the way round before you retry. Never force a case back that is sitting proud.

The watch stops when I take it off

FIX Nothing to fix. An automatic winds from the motion of your wrist and runs for about a day and a half off the wrist before it stops.

Important safety information

NOT WATER RESISTANT

This watch should be treated as not water resistant. Steps 43 to 45 and step 58 remove, grease and refit a rubber gasket. Fitting that gasket does not make the watch waterproof. Whether the watch seals depends entirely on how you seat the gasket, the case back and the crown, so no rating can be promised. Keep it dry.

- 01 The parts are small and some are sharp. Keep the kit, the cut-off dial feet and the cut-off piece of stem away from children and pets.
- 02 Cutting the dial feet and the stem flicks the offcut. Cut over the tray, and keep your fingers behind the blades.
- 03 Thread locker and gasket grease are chemicals. Follow the maker's own instructions, keep them off your skin and eyes, and work in a ventilated room.

Who made this

Wristbuilt

QUESTIONS, MISSING PARTS OR A PART THAT WILL NOT FIT

We would rather hear from you early than late. There is no question about this build that is too small to ask.

You built that.

Make the Movement Yours.