

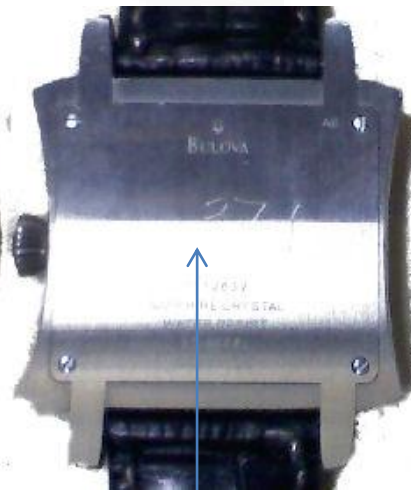
Instructions for Using the Watch Works Tool Kit to Change a Watch Battery

Click on this link <http://www.allamericanwatches.com/site/626101/product/E2306-A> to purchase the Watch Battery Replacement Tool Kit.

To change a battery in an electronic watch you must first determine the type of watch case back with which your watch is fitted. The picture below shows a screw-down case back on the left, a screw-on case back in the middle and a snap-on case back on the right. Most wrist watches fit into one of these broad categories. It is not necessary to be able to lay the watch out flat as show with the band out of the way but it does make the battery changing job easier the first time it is attempted. If you have a watch with a metal bracelet style band then you will need to use the watch pin removal pliers provided with this tool kit and follow the instructions for removing a link pin provided with the tool.



Screw-down
case back



Screw-on
case back

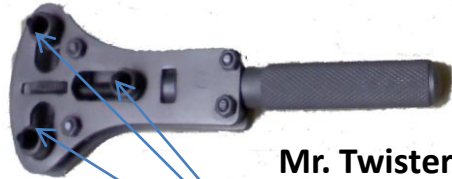


Snap-on
case back

Assuming that you have now identified the type of watch case back utilized by your watch we will describe the method and tool used to open each watch case back in turn. It is a good idea to try to find a dust free environment before removing the back of a watch. A bathroom can be an ideally dust free environment provided it is dry..

The screw-down case back.

Starting with the screw-down case back on the left of the above picture, you will need to use the Jensa tool shown here below.



Mr. Twister

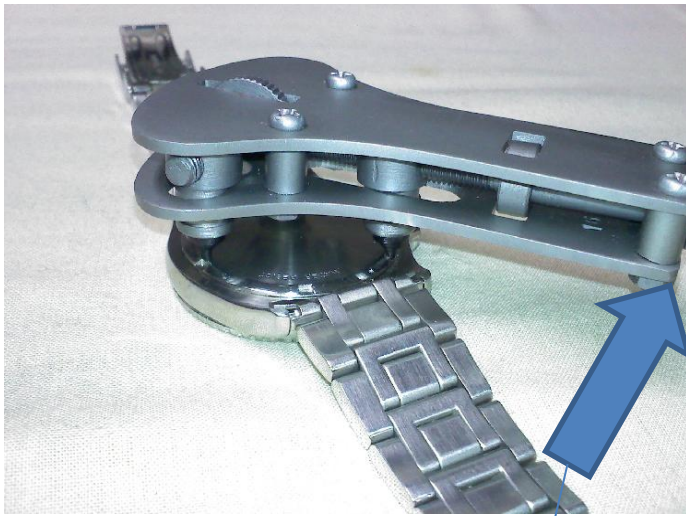
This tool is supplied with three different sets of studs which easily pull in and out of the holders on the tool.

- The three different types of studs are used for the three most common screw-down case backs. In our example we have a slot but your watch may have a circular hole for example.
- Select the best fit out of the three choices provided and then put all three of the same studs into the tool.
- Next adjust the tool to the diameter of the back of your watch with the two screw adjustment controls provided. To adjust the width of the top two studs rotate the wheel located between them.



As viewed opposite, rotating the wheel in an upward clockwise direction will draw the top two studs closer together. Rotating the wheel in a downward anti-clockwise direction will move the top two studs further apart.

Rotating the handle anti-clockwise will bring the lower stud up and clockwise will move it down. Adjust these three studs until they fit comfortably into three alternate lugs on your screw-down case back watch.



- Hold the watch firmly in the palm of your hand and with the tool in the other hand, rotate the whole tool in an anti-clockwise direction and loosen the watch case back. Once loosened, continue to use Mr. Twister until the case back is removed. Take care not to lose the rubber gasket which is sandwiched between the screw-down case back and the watch case as this is used to keep the watch dust free and, in many models, water resistant.

Direction to turn to remove watch case back

Take care not to disturb the rubber gasket seal sandwiched between the watch case back and the watch case.



Battery

- The battery can now be popped right out by gently easing it up with the miniature screwdriver provided. (Your local Radio Shack or other electronics battery store will be able to provide a suitable replacement once you have shown them the original. It's a good idea to make a note of the number on the battery when you remove it and also the number of the replacement battery which may not necessarily be the same. Next time you will be able to have the new battery to hand when removing the watch case back and can then install it right away.) It is always best to leave the case back off a watch for the minimum amount of time possible so that no damage occurs or moisture or dust enters the movement.

- When you replace the screw-down case back take care not to cross-thread the screws, always start the process delicately by hand. In some cases it might be easier to lay the screw-down case back on the watch case and turn it gently by using the end of the miniature screwdriver provided, until the threads engage.

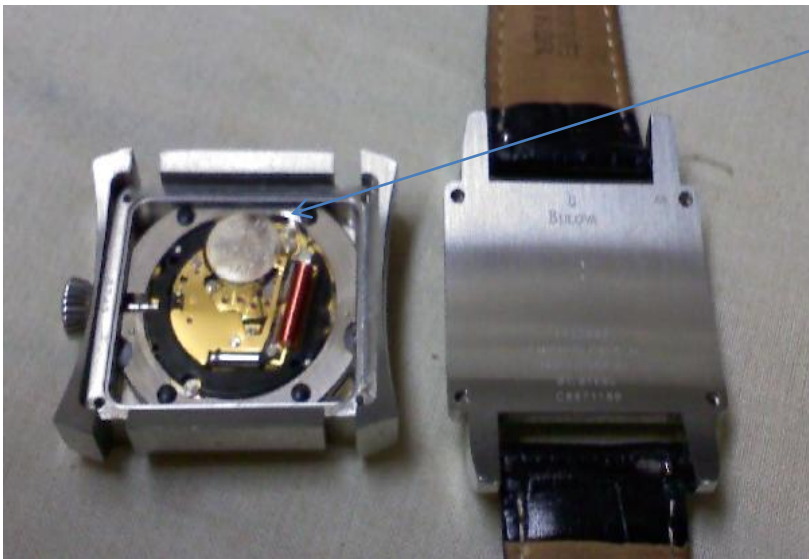
The screw-on case back.



- To remove the back from the screw-on watch case back, pictured in the middle of the first picture, you will need the miniature screwdriver provided with the watch kit.

- This screw driver has two sizes, just pull gently on the tip and it will come out revealing a second tip of a smaller or bigger width at the other end. Select the size which best fits the screws holding the case back on your watch.

- Remove the screws completely by using the tweezers and magnifying glass also provided with this tool kit. Set them aside in a safe place, do not lose them or allow them to roll onto the floor. Remove the back from the watch, being aware that the wrist band lugs may be attached to the watch case back as in this example and that the watch movement case might be a separate unit.



- Sometimes the watch battery is held in place by a retaining clip to prevent it from popping out in the event of a sharp impact while the watch is being worn. These clips are usually secured by miniature screws and it is seldom necessary to remove these screws entirely. Just loosen them one half turn and either slide the retainer to the side or depress it slightly while the battery is removed.



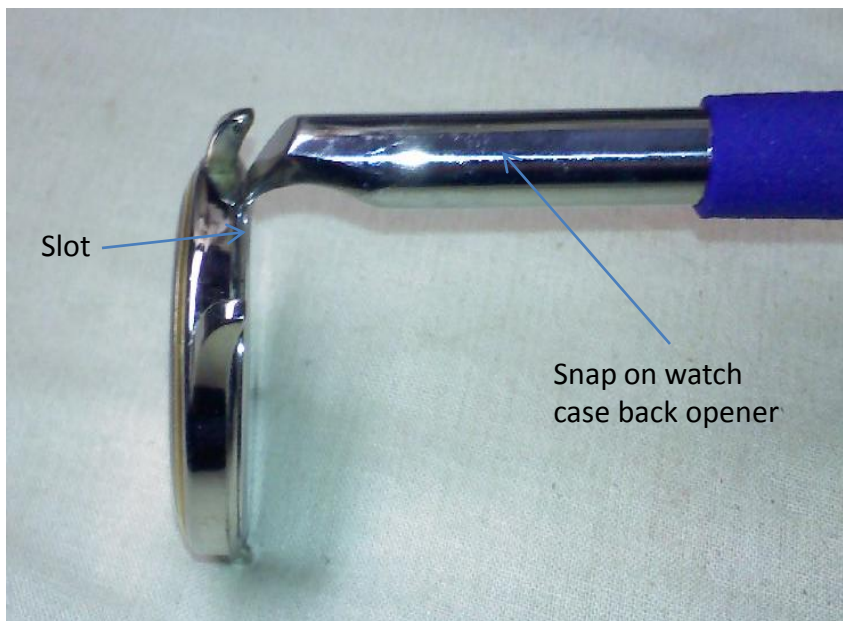
- The battery can now be popped right out by gently easing it up with the miniature screwdriver provided. Your local Radio Shack or other electronics battery store will be able to provide a suitable replacement once you have shown them the original. Take a note of the number on the battery when you remove it and also the number of the replacement battery which may not necessarily be the same. Next time you will be able to have the new battery to hand when removing the watch case back and can then install it right away. Again, it is always best to minimize the time that the case back is off the watch so that no damage will occur from moisture and dust getting into the movement.

The snap-on case back.

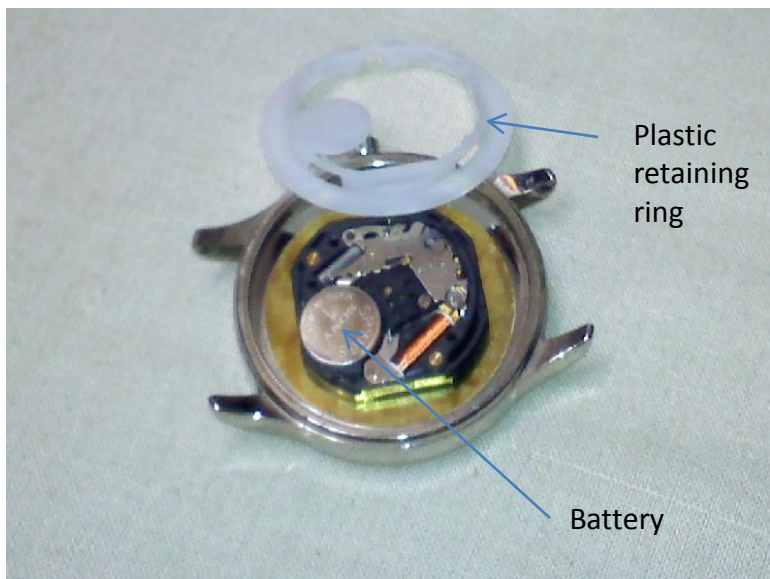
This is the most common of watch case backs and they are just basically popped off by levering them with the blue handled tool provided and then pressed or snapped back on again having positioned them correctly.

- Before attempting to open the snap on case back first examine the circumference for any sign of a tab or slot where blue handled tool can be inserted. With the watch back towards you and the crown/winder pointing straight up at 12 o'clock, the tab or slot for the opening tool is usually in the 10 o'clock position.

- Having identified the slot, place the tool in the slot as shown below and twist the back off. It should just pop off. If no slot is found still try inserting the tool as shown in the picture below.



- Push down on the tool and twist and the back should pop off. For very tightly fitting case backs with very limited space between the watch case and the snap on case back use a penknife blade instead and twist until the back pops off. This watch we are using has a plastic retaining ring inside which can simply be removed with the small screw driver.



- When the battery has been changed and the plastic retaining ring reinserted, the case back must be snapped back on again.
- First examine the case back to identify if the case must be position in a particular way. Many snap on case backs have a semi-circular cut away which fits directly over the crown/winder mechanism.
- Line up the back properly and then snap into place by applying pressure between fingers and thumb all around the circumference until it snaps back into place.

During the whole battery changing process care should be taken to prevent the battery being handled too much as the grease from your skin can affect the battery contacts, remember it is drawing a very light current so any amount of dirt or grease can stop the watch from working properly after the battery has been changed. If you have any problems then remove the battery and clean it with lighter fluid or rubbing alcohol on a dry lint-free cloth and then when dry put it back into the watch again.

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