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IMPORTANT NOTICE Please note that after the limitations caused by the Covid19 pandemic, we have begun the phased re-opening of our Service Center, you will now be able to visit to create a service request to include with your watch when returned to us. Please keep in mind that due to work practices and reduced staffing times, lead repair time is now expected to be larger than usual. Our site parts is also now fully operational and we will work to send all parts of orders where stock is available, within 2-3 business days. We will be aware of any changes on this site and if you need more information, please email service@citizenwatch.co.uk To view the customization instructions for your particular citizen to watch, enter the Kalibr traffic number in the field on the right. To find a motion caliber number in the watch cashback, see you can also choose from a selection of video instructions for additional help in setting up the watch. 1 Table Contents 2 3 4 5 6 7 8 9 10 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 IMPORTANT NOTICE Please Note, that after the limitations caused by the Covid19 pandemic, we have begun a phased re-opening of our Service Center, now you will be able to visit the web to create a service request to enable with the clock when returned to us. Please keep in mind that due to work practices and reduced staffing times, lead repair time is now expected to be larger than usual. Our site parts is also now fully operational and we will work to send all parts of orders where stock is available, within 2-3 business days. We will be aware of any changes on this site and if you need more information, please email service@citizenwatch.co.uk To view the customization instructions for your particular citizen to watch, enter the Kalibr traffic number in the field on the right. To find a motion caliber number in the watch cashback, see you can also choose from a selection of video instructions for additional help in setting up the watch. 1 Table Contents 2 3 4 5 6 7 8 9 10 12 13 14 16 17 18 19 20 21 22 23 24 25 2 6 6 6 18 19 20 21 22 25 2 6 6 6 6 1 Table Contents 2 3 4 5 6 7 8 9 10 12 13 14 16 17 18 19 20 21 22 23 24 25 26 26 19 1 2 3 4 5 6 7 8 Table Contents 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 24225 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 All Reset All reset is used in the first setting of the watch or in unusual or unstable work. A - Unscrew the crown and pull out for a second click (3). The second hand moves to zero, which it remembers and stops. B - Click 4 in 2 seconds or longer and release. The hour and minute hand will move forward, and then vice versa, on the contrary, Forward. The second hand makes one full rotation clockwise. C - The entire rebout is complete. Zero hands After all fold and the calendar should be zero to provide a starting point for the set of the watch. A - Unscrew the crown and pull it out for a second click (3). Hands will move to their last memorable position zero. B - Move the crown to the right (clockwise) to allow the hands to move forward, move the crown counterclockwise to move the arms backwards. The quick movement of the crown a few clicks at a time, in the right direction is moving your hands quickly. C - After an hour and a minute hands zero at 12:00 the position of the second side and the date can be zero. D - Pull the crown to the first click position (2). E - Turn the crown to the right (clockwise) to move the second arm around the dial until it is zero at 12:00. F - Turn the crown to the left (counterclockwise) to adjust the date before the date reads about 1 second. When it was recorded the second hand will start 2 second hitch of traffic. Don't pull out the crown until after 2 seconds of hitch movement has begun. H - After adjusting zero positions, start adjusting the time and calendar. Setting Time A - unscrew the crown and pull it out for a second click (3). The second hand will move quickly to its last memorable zero position at 12:00 and stop. If it is not zeroed to perform the zero-hand adjustment outlined above. B - Set the time by turning the crown clockwise to move the hour and minute of the hands forward, counterclockwise to move backwards. Note: if you move the crown quickly (two or more clicks at a time) an hour and minutes your hands will move fast. Move the crown with one click in either direction to stop the rapid advance. Note2: When the hour and minute of the hand reach 12:00 am, the date changes. Hands will pause until the date is finalized and then resume work. Make sure the am/Pm time is set or the calendar is not in sync. C - When the hands are set at the right time press the crown all the way and the clock will begin. Setting a calendar This watch is an eternal type of calendar that automatically changes year/month/day, including leap years, once it is set correctly. How to read monthly/year. Months are represented by a second hand pointing to the hour markers December 12:00. Jan. 12-hour markers represent 12 months Year. Years (or rather, the number of years from the last leap year) are represented by the sum that the second hand moves past the watch marker. Example: December leap year Second hand should be right at 0. December of the year one year for the leap year The second hand should be eligible for 1. February of the year 3 years for the leap year The second hand must point to 13 A - Unscrew the crown and pull it to the first position (2). The second hand will move into the year/month position of the latter is remembered and stopped. B - Turn the crown clockwise, press the button at a time and the second hand will move to indicate the year/month position (years gone from last leap year). C - After a year/month is set to turn the crown counterclockwise to set the date in the window. When the crown moves quickly in this direction the date will move continuously and stop automatically after reaching 31 days. Turn the crown one turn in either direction to stop the date from moving quickly. D - Complete setting of the date by pushing the crown and screwing down. The second hand will catch up with the correct time as the timekeeping resumes. The Perpetual Calendar watch is one of the terms that we usually see related to a very expensive automatic/mechanical watch. But then again, what is it really and what is it doing? I decided to do a little digging and in this article, I repent of what I found about the eternal calendar with you. So what is the eternal clock of the calendar? It is a clock with the perpetual calendar function, which means that the watch will be able to display the correct dates at any time, taking into account the different number of days per month and even leap years. In terms of calendar, the perpetual calendar is the most accurate thing you need. In this article I will share about exactly what the eternal calendar, its use and its difference with the regular calendar. Then I'll give my take on the perpetual calendar clock as it can benefit you and whether you should get one or not. Content Table: Perpetual Calendar Watch - Showing the correct dates all the time on your Wrist Perpetual Watch calendar has one additional feature on top of a regular watch, and it's to show the correct dates all year round on your wrists (but how important that will be entirely dependent on individuals.) We thought when we're kids that each month includes a different number of days, either 30 days or 31 days a month, with February being the exception of 28 days. There's also the problem of leap years, which will result in 29 days during this year's month of February instead of the typical 28. This creates a problem because most conventional watches with analog display uses a simple mechanical function to change the display of the date after 24 hours have passed. This default option will just cycle the date to 31 and then it will go to 1 - this kind of calendar a simple calendar. Therefore, this disruption in the number of days each month will give the hassle of having to change the date manually at least every 1/2 month (depending on what month you first set the clock). But note that this problem exists only with analog clocks (automatic or quartz movements). For digital watches, most often the calendar is programmed inside the chip, giving it the ability to display the correct date (just like our computer and phones). What is the Eternal Calendar clock used for? Perpetual calendar clocks are used to display the correct date every time, so it's called timeless (although in fact most of these watches have to be adjusted after a certain time, such as 100 years, so it's not exactly timeless, but correct until very long). If you wear a watch every day and don't want to mess around with messing around it because you have more important food going on, then perpetual calendar watches can be a good option. This will help keep the date displayed on the clock correctly while you go with your busy life. Why are the number of days not the same in each month? Throughout human history, our calendar has gone through many reforms and changes, along with advances in astronomical knowledge as well as technology. There are two main types of calendar, the lunar calendar (depending on the lunar revolution around the Earth) and the solar calendar (depending on the Earth's revolution around the Sun), with the latter the most officially used now. Both calendars have the same problem: there is simply no simple rule regarding these calendars, because the Moon and Earth do not rotate in a light predetermined duration. For the solar calendar, the current set of calendars that we use is now called the Gregorian Calendar, which after accounting for leap years, averages a year of 365,2425 days - yes, it's not quite 365 days, hence the main cause of the problem at hand. In a normal year, there are 365 days a year divided into 12 months. To achieve this, the calendar divides the months by 30 and 31 days alternately, although there are some exceptions here and there, such as July and August, that both have 31 days and February with 28 days. You can refer to the exact number of days in any calendar or on this page. But there is also a leap year, in which the number of days per year is 366 days. To do this, February increases by 1 day and is 29 days. These leap years occur only once every 4 years and are one of the methods of adjustment in order to explain the natural revolution of the Earth around the Sun, which does not quite correspond to our standard days. While these rules are pretty easy to understand, it's not easy to implement on a mechanical analog watch that works best on linear or evenly moving. How watchmakers tried to Unique, it's the beginning of the perpetual watch calendar. Differences between the annual calendar and the eternal calendar there are also annual calendar hours, brother to the eternal calendar. The difference between these two types of calendar is in the leap year adjustments : it makes two types of watches very different, and this is something you should be able to say as a perpetual calendar to make a command a higher price than the annual calendar. Normal calendar hours of the day/date display (shown above, gorgeous Tissot Visodate. More about the clock in my review here)With the annual calendar, the clock requires minimal intervention to show the correct date as it is designed to take into account the difference per day (30 or 31 days) over different months. February is a bit of a problem with some annual calendar clocks being able to display the correct display of 28 days in February. Take note that there are some watches that can't do this, so it's best if you find out about it before buying. What is the difference between the annual calendar and the eternal calendar? The Perpetual Calendar is a step up in which it can correctly display dates when considering leap years. This makes the watch require a little intervention while at your disposal as you don't have to change your date. This creates a small problem when buying a watch. While most watch dealers are good, some may be brand new in watches and can be misleading in explaining the features of their watches. So, I recommend doing some due diligence on the specific watch model that you want to buy to make sure it has the right annual or perpetual mechanism that you want. A quick search on the internet will do well, and I've found that online forums can be very useful too, such as watchuseek.com (a treasure trove for healthy food about the clock). Facebook groups (for many photos) or even quora (for straight-forward replies). How does the perpetual watch calendar work? So how does the perpetual watch calendar work? The perpetual watch calendar works by using several additional components in the form of gears and levers that act as a mechanical memory to display the correct date - even taking into account the different days of the month and leap years. Most timeless calendar hours will be able to show date, day, month and even years on their dial So short, while the usual analog watch calendar has a simple drive with 31 days, the perpetual calendar clock will have more complex storage drives 4 years worth of information day! Of course, this device is one of the most difficult to do in mechanical/automatic watches as it not only has mechanical difficulties to map out components, you also need a deep knowledge of how the perpetual calendar works and finally refined to produce tiny components to make the exact size and match its work. Fortunately, things are a lot a lot with the development of technology. Currently, the digital clock can be easily configured to follow the eternal calendar and place leap years in their date display. The chip inside the watch is so advanced that it can be easily done with the factory. Just keep in mind that some cheaper digital watches may not have timeless calendars built inside it. One way to detect this is if the watch is unable to store or show information for a month and a year. This information is crucial in order to follow the perpetual calendar, and if you can't find it, more often than not your digital watch doesn't have this built in it. The installation of eternal calendar hours differs depending on the movement and how the watchmaker designed them. The easiest, of course, type of digital watch while entering the right day, date, month and year is all you have to do and the watch will take care of itself. In addition, such a digital display is intuitive for us, as most devices currently have a digital display. But for automatic/mechanical watches or for quartz watches with analog display, the installation of the perpetual calendar varies greatly from model to model due to the basic difference in how the motion was designed. For example, the IWC Portugieser Perpetual Calendar (a large automatic clock with 7 days of power reserve) is one of the easier to watch set up as you only have to set the date, month and year correctly. However, it also has a flaw in which you can't change the date if you accidentally set it a few days ahead of the current date - the only way to reverse it is by sending the watch to the watchmaker (the official watchmaker IWC would be the most preferable in this case...). Check out how the watch can be customized in the video below: Above: Video about the beautiful (and \$40K expensive!) IWC Portugieser Perpetual Calendar Other timeless calendar hours can be quite difficult to set up. If the watch is intuitively not designed (IWC Portugieser above is good in that with day, date, month and year easy to see and understand), you'll have to either figure it out yourself or better yet, refer to the user's guide accompanied by it. Thus, Seiko included button features that can be used to display date, month and leap year seconds of hand needles. A way to set it is by setting dates in one of the 14 variations that the perpetual calendar has. Obviously it's not as easy as IWC, but I'd say this setup is great for those who want a chronograph to watch with the eternal calendar as a secondary feature. Take a look at Seiko's watch in this informative below: Mark from Longislandwatch shows how the quartz Seiko Seiko The timeless clock works and how to install it (Note: even if you don't buy from his site, it has a great YouTube channel with a lot of info. check it out!) The history of the Perpetual Calendar Watch Perpetual Calendar watch has been around since the 1700s, although it was mostly in the form of large and pocket watches mostly used for astronomical purposes. The English watchmaker, Thomas Mudge, was credited with inventing the first perpetual watch calendar back in 1762 in the form of a pocket watch. Over the years, the perpetual watch calendar has remained in the shape of a pocket watch due to its bulky movement, making it difficult to match a typical wristwatch. It wasn't until 1925 when Patek Philippe created the first perpetual wristwatch calendar for Thomas Emery, an American connoisseur of his watch. Since then, numerous watchmakers such as Breguet, Jaeger-LeCoultre and IWC, just to name a few, have jumped into the bandwagon and created their own timeless motion calendar. It was and still is considered one of the most noble complications in automatic/mechanical watches because of its complexity and skill includes in making one. With the advent of quartz and digital watches, the perpetual calendar has become much cheaper due to the reduction in its production costs and made possible for normal people, to buy and own the perpetual calendar!) (If you want to learn more about the history of these great watch brands, head over to my previous post about watch brands here) Three of the most important things to know about the perpetual Watch calendar (before you buy one) 1) the Perpetual Watch calendar is more expensive than a regular watch, and this difference could be thousands of dollars in the case of mechanical versions of the movement With great features, the price of the watch will increase, and it will certainly be the case with the watch. Analog watches with an eternal calendar (mechanical or quartz movements) will have a higher price than their usual counterparts due to the increase in the number of parts and craftsmanship. And if the perpetual calendar of the watch that you present has mechanical/automatic movement, then be prepared to spend thousands of dollars as this is one of the hardest things to do in mechanical watchmaking. One plus hand though, you'll own one of the coolest look around q) 2) The perpetual watch calendar should always be running in order to work the second thing to understand the perpetual watch calendar is only timeless if the clock is still running. This is logical because if the clock stops, the internal movement will stop counting the days and it won't be eternal anymore and you have to reset it again (which is pretty cumbersome to do). Mechanical/automatic watches require more attention as they have short power reserves, usually 40 to 50 hours. Then you need to make sure you always wear them or put on the watch weathered weathered him always run. Another thing you can do is get automatic movement with higher power reserves up to a few days or even a week, thereby reducing the possibility of the clock stopping. For quartz watches, this issue is not very big as the battery inside it can last at least a year or so, so you are looking at the possibility of resetting the date annually at least when you change the battery. But if you really want a fuss free perpetual watch calendar, then you can get a solar-powered one. The sundial is a quartz clock, but the photovoltaic cells on it to convert light into electricity, thus charging the watch easily. This means that these watches will not require any battery changes for a long time. Because of this huge advantage, the sundial is about my favorite type of motion watch. You should consider getting one, especially if you want to watch with battery drain complications such as a chronograph, as battery depletion will be the last thing to worry about with a sundial) 3) It's more difficult to establish how I designed the above, setting the perpetual watch calendar is not as easy as we think it is. If you have a problem trying to set a normal day and date to watch, then the perpetual calendar clock will be a nightmare for you. Although it won't be a walk in the park, installing it is still very possible if you follow the correct instructions. My advice is not to lose your guide to learning the clock or you'll be in some trouble down the road lol! With the Perpetual Calendar Watch, the longer the power reserve, the better for a mechanical watch, the more power reserve is definitely better. Usually those who own a mechanical watch are like watches, so they will own a few hours (I know because I'm one of these guys lol!). So having a longer power reserve is a great way to make sure you can rotate between hours without having to set the time too often. And because of the difficulty in setting an eternal calendar, having a longer power reserve in the perpetual calendar clock is almost necessary. The typical 40-50 hours of power reserve is too small as you will surely have to set a calendar once or twice in any given month, which is just too much to provide (if you really would like to do a date setting as a hobby...). Fortunately, advances in watch technology, materials and motion design have made more energy reserves not uncommon anymore. Now we can get more energy in mechanical hours, with some up to 65 days for the perpetual watch calendar (Vacheron Constantin in his Traditionnelle Twin Beat Perpetual Calendar). Check out some of them in this great article here. In addition, the power reserve indicator is a good concomitant that will make your life a lot easier. With it, you'll be able to find out when the power reserve will be over, not just just So you can take it for a walk, do some hand-winding hand or put it on the watch winding. Is the perpetual calendar to look for you? Should you get a perpetual watch calendar? Is this for you? Well, to be honest, this question can only be answered on your own, as you are the only one who knows whether you need it or not, and after you have passed through its characteristics. No doubt, timeless calendars are very useful and ensure that you are always up to date with actual dates at any time. But then again, the automatic/mechanical version of the motion perpetual watch calendar is much more expensive, and it can be difficult to justify such a purchase, especially when much higher and cheaper quartz/digital watches (which almost always have a perpetual calendar programmed in it) are available overall. With that in mind, I just can't recommend anyone, especially those on average income, to buy automatic/mechanical calendar watches. Admittedly, this movement is very complex and beautiful, but in terms of practicality, it will certainly lose it better than the digital watches of siblings. Even then, there is nothing wrong if you want to buy it if you have the money. You can also get used at a heavily discounted price too. This is, in my personal opinion, more aesthetically pleasing to look at rather than the ubiquitous digital displays around us. If you got the money and would like to add a perpetual watch calendar to your collection, then go for it. Just be prepared to pay extra money and do extra work related to the watch) I hope this article will answer all your questions about the timeless hours of the calendar. Let me know if you need more information about this by commenting below. Until next time. Cheers! Cheers!

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