



WORLD WATCH

Proprietary 24-hour AnaDigit Solunar Movement with Automatic Analog hand and Tritium Tubes

YES WORLDWATCH V7 CLIP 2.0

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the steward of time

The WorldWatch is an old school 24-hour clock, overlaid with the daily and seasonal cycles of the sun and the moon, utilizing state of the art technology.

The 12 o'clock noon is on top, midnight is on the bottom. The light top section of display gives you actual length of daytime, the dark bottom section shows length of night. The ray portion indicates twilight and the smaller circle indicates moon phase.

The outer yellow dial can be set to show times for moonrise and moonset, or day and night for your alternate location. On solstices, equinoxes and cross quarter days this dial turns into a checker pattern.

The inner 24-hour day/night dial + hand have 24x1 tritium tubes. The day/night rotating bezel comes in several designs and colors.

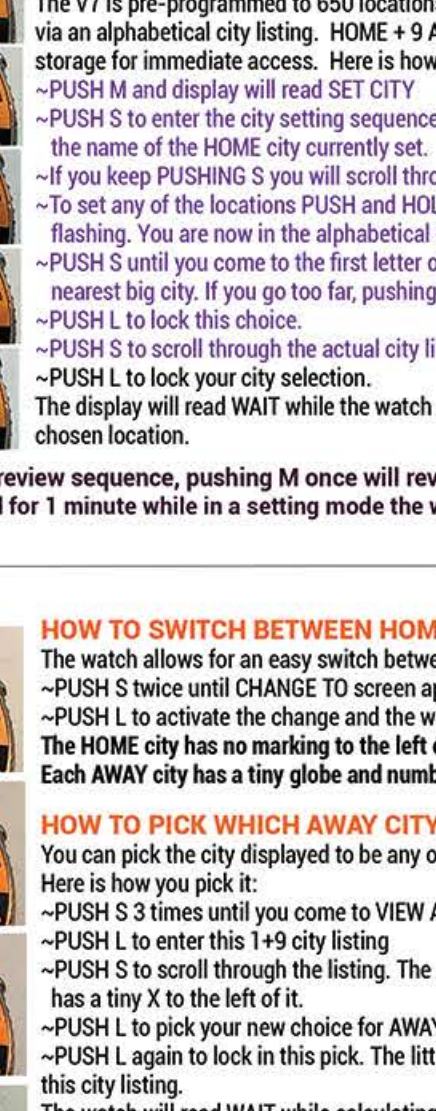
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button menu and call-outs

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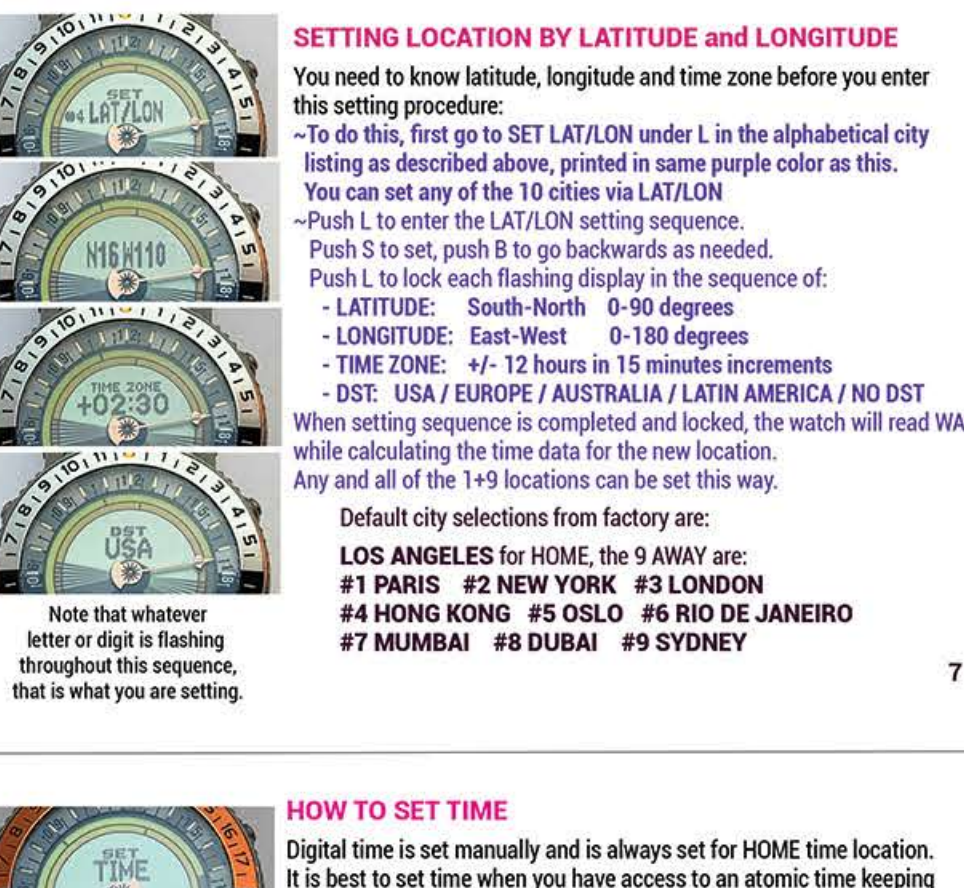


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In this image the outer yellow dial has been set to show a summer night in Oslo, an all twilight night. Digits turned off.

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In this image the sunrise alarm has been engaged and the outer yellow dial shows times for moonrise and moonset.

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To run right the location and time must be set, and the hand must be calibrated. If you bought the watch directly from us we have set it for you, so you can just start wearing it. If the watch hasn't been set, here is how you go about it:

HOW TO SET YOUR HOME CITY + 9 AWAY LOCATIONS

The V7 is pre-programmed to 650 locations worldwide that are accessed via an alphabetical city listing. HOME + 9 AWAY locations are kept in storage for immediate access. Here is how you set your cities:

- ~PUSH M and display will read SET CITY
- ~PUSH S to enter the city setting sequence. The display will read SET plus the name of the HOME city currently set.
- ~If you keep pushing S you will scroll through the 9 AWAY cities.
- ~To set any of the locations PUSH and HOLD S until the letter A starts flashing. You are now in the alphabetical city listing.
- ~PUSH S until you come to the first letter of the name of your city, or nearest big city. If you go too far, pushing B will take you backwards.
- ~PUSH L to lock this choice.
- ~PUSH S to scroll through the actual city listings under this letter.
- ~PUSH L to lock your city selection.
- The display will read WAIT while the watch calculates the time data for the chosen location.

When in a setting or review sequence, pushing M once will revert to showing time. If no button is pushed for 1 minute while in a setting mode the watch will also revert.

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HOW TO SWITCH BETWEEN HOME AND AWAY CITY

The watch allows for an easy switch between HOME and AWAY.

- ~PUSH S twice until CHANG to screen appears.
- ~PUSH L to activate the change and the watch will set itself.
- The HOME city has no marking to the left of it.
- Each AWAY city has a tiny globe and number 1-9 next to it.

HOW TO PICK WHICH AWAY CITY IS DISPLAYED

You can pick the city displayed to be any of the 9 AWAY cities. Here is how you pick it:

- ~PUSH S 3 times until you come to VIEW ALL CITIES
- ~PUSH L 3 to enter this 1+9 city listing
- ~PUSH L to scroll through the listing. The city currently picked as AWAY has a tiny X to the left of it.
- ~PUSH L to pick your new choice for AWAY city. SELECT AS AWAY will flash.
- ~PUSH L again to lock in this pick. The little x will now appear next to this city listing.
- The watch will read WAIT while calculating the time for the AWAY city. The next time you switch between HOME and AWAY this city will be displayed.

For the complete city listing sorted by country, a Time Zone Map and the DST standards used in our programming, please visit our web site at www.yeswatch.com/citylisting

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SETTING LOCATION BY LATITUDE and LONGITUDE

You need to know latitude, longitude and time zone before you enter this setting procedure.

- ~To do this, first go to SET LAT/LON under L in the alphabetical city listing as described above, printed in same purple color as this.
- You can set any of the 10 cities via LAT/LON

~Push L to enter the LAT/LON setting sequence.

Push S to set, push B to go backwards as needed.

Push L to lock each flashing display in the sequence of:

- LATITUDE: South-North 0-90 degrees
- LONGITUDE: East-West 0-180 degrees
- TIME ZONE: +/- 12 hours in 15 minutes increments

~DST: USA / EUROPE / AUSTRALIA / LATIN AMERICA / NO DST

When setting sequence is completed and locked, the watch will read WAIT while calculating the time data for the new location.

Any and all of the 1+9 locations can be set this way.

Default city selections from factory are:

- LOS ANGELES for HOME, the 9 AWAY are:
- #1 PARIS #2 NEW YORK #3 LONDON
- #4 HONG KONG #5 OSLO #6 RIO DE JANEIRO
- #7 MUMBAI #8 DUBAI #9 SYDNEY

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HOW TO SET TIME

Digital time is set manually and is always set for HOME time location. It is best to set time when you have access to an atomic time keeping source. This way you can set the watch in order to engage the time trim in another 30 days.

- ~PUSH M 5 times and display will read SET TIME.
- ~PUSH S to enter the setting sequence. The display will show the seconds per month time trim feature and flash +00. For now leave it at +00 and push L to continue.
- ~AM/PM or 2400 will flash. PUSH S to change between the two and PUSH L to lock your choice.
- ~Next the YEAR will flash. PUSH S to set the year, PUSH B to go backwards if necessary and PUSH L to lock your choice.
- ~Next the MONTH will flash. PUSH S to set, PUSH B to go backwards if necessary and PUSH L to lock your choice.
- ~Next the DATE will flash. PUSH S to set, PUSH B to go backwards and PUSH L to lock your choice.
- ~Next the HOUR will flash. PUSH S to set, PUSH B to go backwards a PUSH L to lock your choice. If you have chosen the AM/PM format a tiny A or P in front of the digits will indicate it.
- ~Next the MINUTE will flash. PUSH S to set, PUSH B to go backwards if and as necessary. PUSH L to lock choice at 00 seconds atomic time. The display will read WAIT while the watch calculates the time data for the chosen location.

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HOW TO SET THE TIME TRIM

After completing setting procedure as explained above, 30 days later check your watch against the atomic clock and note the monthly discrepancy. The unique V7 time trim feature allows you to manually correct it to +63/-64 seconds.

- ~Push M 5 times to enter SET TIME and S/MONTH - seconds per month, will display.
- ~Push S or B to enter your monthly discrepancy by +63/-64 seconds. If your watch runs too fast you go minus, if it runs too slow you go plus.
- ~Push L to lock and then complete the regular setting sequence of time as described above.

Lock the minutes when the atomic clock reads 00 seconds. An additional minor adjustment might be needed in another 30 days based on checking it then. Once set the discrepancy is kept in memory even if the battery goes flat.

TURNING THE DIGITAL TIME OFF

~PUSHING B twice during regular running will turn the digital time off, rendering only the natural cycles of the sun and the moon displayed. Pushing any button will turn the digits back on.

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CALIBRATING THE 24-HOUR HAND

The 24-hour arrow hand needs to be calibrated in order to sync with the digital time readout and day/night display.

- ~PUSH M 6 times until display reads CALIB HAND.
- ~PUSH S to enter the calibration process, segments will flash at 1200.
- Let go when the hand aligns with the flashing segments at 1200.
- ~PUSH L to lock the calibration and watch as the hand will sets itself to sync with digital time.

The gears that engage the hand are tiny. An additional calibration might be required to gain greater accuracy. Once calibrated the hand will set itself automatically as you switch cities and on days of DST.

10 ATM WATER RESISTANCE

The V7 has been constructed to 10 ATM water resistance. This means it will withstand pressure to 100 meters of depth. However, it also assumes that you DO NOT operate the buttons while submerged or in contact with water. If you do, you risk breaching the double o-ring seal for a brief moment and the water pressure coupled with the capillary effect will try to push water in. This applies to all watch buttons, not just ours.

DO NOT push any of the buttons while submerged or in contact with water.

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TURNING DST ON and OFF MANUALLY

Countries change their DST standard at random. In case you are in such a place and time, the DST can be turned on and off manually. Here is how:

- ~Push M once to SET CITY is displayed.
- ~Push S to enter and scroll through the cities until you find the one you want to change DST for.
- ~Push L to enter DST choices.
- ~Push S to scroll through choices of AUTO DST, DST ON and DST OFF.
- ~Push L to lock your DST choice for this one location.

This feature is individually set for each of the 10 city locations.

RESETTING THE WATCH

Pushing and holding all 4 buttons at once will reset the watch. Time will have to be set again but the 10 city locations and time format will be kept in memory.

LANGUAGES

We have included 7 languages in the watch.

- ~Push M 7 times until SET LANGUAGE displays.
- ~Push S to enter and keep pushing S until desired language is displayed in the sequence of ENGLISH, ESPANOL, DEUTSCH, FRANCAIS, NORSE, ITALIANO, PORTUGUES.
- ~Push L to lock your choice.

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HOW TO SET THE OUTER LCD RING and TWILIGHT DISPLAY

The outer yellow LCD ring can be set to show times for MR/MS or SR/SS for your location or SR/SS ALT for the alternate location, your choice:

- ~PUSH M 4 times until you come to SET RING.
- ~PUSH S to enter and the display will display current setting choice.
- ~PUSH S to scroll through your choices of MR/MS, SR/SS or SR/SS ALT and then PUSH L to continue.
- ~TWILIGHT will display. PUSH S to turn it ON or OFF and then PUSH L to lock the display.

The inner blue or orange 24-hour dial will display SR/SS/twilight/zenith and true midnight for location shown. The center circle will extend the display of SR/SS and twilight.

If you set the outer yellow LCD ring to SR/SS the entire display will reflect only day and night, sunrise and sunset, zenith and true midnight.

In this image the twilight marking has also been turned off, rendering a hard break at sunrise and sunset.

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DIGITAL COMPASS with degrees and NSEW arrows.

- ~Push M twice until display reads COMPASS.
- ~Push S once and the hand will move to neutral position at 1200, and the arrow will engage the compass.
- The thin segment will point to North, the double markers will point to south. The degree readout relates to the fixed hand positioned at 1200.

To operate correctly the compass must be calibrated first time used, when arriving in a new location and after watch has been reset.

Once hand has moved to neutral position 1200 as described above:

- ~Push and hold the S button for 2 seconds until CALIB COMPASS reads.
- ~Push L once and display will read ROTATE 360 and show a checkered ray pattern.
- ~Physically rotate the watch slowly a full 360 degrees.
- ~Push S and the display will read CALIB SUCCESS. If instead it reads CALIB FAIL, move to another position and try the rotation process again.

Push S again to engage the compass.

The watch will revert to showing time after 1 minute of compass operations. If you want to keep compass active longer push the S button before the minute is over.

When in a setting or review sequence, pushing M once will revert to showing time.

If no button is pushed for 1 minute while in a setting mode the watch will also revert.

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TIME DATA READOUT

When the watch is in regular time running mode the S button is used to access a wide range of time data, to switch between HOME and AWAY cities and to pick a new AWAY CITY from the 9 locations in memory.

Here is how you access the basic time data:

- ~Push S once and the display will show date-month-day, DOY-week #, year and location before reverting to showing time.
- ~Pushing L during this review will forward to next display.

Push and hold S for 2 seconds to unleash a long string of time data for your choice. If you have chosen the AM/PM format a tiny A or P in front of the digits will indicate it.

~Push S anytime to move to next data screen.

The time data information shown in this sequence is the following :

- CITY DATA
- HRS : MIN : SEC, date, month, day, year, location
- LAT/LON, time zone = TZ, DST, Day Of Year = DOY, week #
- SUN DATA
- SR = sunrise, zenith, SS = sunset,
- CT = civil twilight,
- NT = nautical twilight,
- AT = astronomical twilight

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MOON DATA

moonrise, lunar high moon=LHN, moonset, % luminance, time and date for next new moon=NM and full moon=FM

When the dark lunar night is on the left side of the yellow dial, the moon is waxing. When on the right, it is waning.

Here is how you access time data for the alternate city:

- ~Push S 4 times to review time data for the alternate city.
- ~Push L to enter this scrolling sequence of CITY/SUN/MOON time data, same as listed above. Pushing S will take you to the next piece of information, pushing L will take you to the next group of information.

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THE ALARMS

When the watch is in regular time running mode pushing L will access the 6 alarm options in the sequence of:

- DAILY ALARM with 10 minute snooze**
- ~Push C once to display.
- ~Push S to turn it ON or OFF.
- ~Push L to lock your selection.
- ~Then push S to set first set hours and then minutes, push B to go back. Look each selection by pushing L.
- The alarm will sound at time set with a 10 minute snooze reminder.
- The alarm during chiming to silence alarm will show on.
- A little symbol looking like a sound wave you need to top of digits to the left when activated.

- 99 MINUTE TIMER**
- ~Push L twice to display.
- ~Push S to enter and keep pushing S to first set minutes and then seconds, push B to go back.
- ~Push L to lock each selection.
- ~Push L to start the timer.
- Timer can be stopped and started anytime by pushing L. The watch will remain in TIMER mode until M is pushed to return to time.
- Pilots in particular will find this feature most useful.

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SR/SS ALARM with 0-60 minute pre-alarm

- ~Push L 3 times to display.
- ~Push S to turn SR/SS ALARM ON or OFF, push L to lock.
- ~Then push S (B to go backwards) to choose pre-alarm time for 00-60 minutes before the event. Give you time to get up for the first rays or catch the sun sinking into the ocean.
- A little sunrise symbol will show on top of digits when activated.

The alarm sound is not too loud, but distinct. After a while you'll recognize it and use the alarms to great benefit. I would however, not rely on it to wake me up for a flight.

Pushing any button while the alarm is chiming will silence it

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COUNTDOWN/UP for set time and date

- ~Push L 5 times to display.
- ~Push S to start setting the moment in time when you want to count down to or up from.
- ~Push S and B to set year, month, date, hours and minutes in the sequence of the flashing digits. Push L to lock each of your choices.
- The countdown will then start to run. If you want to turn it off, push and hold L for two seconds until OFF reads, then push L to revert choice.

The COUNTDOWN/UP will stay engaged until you push M to confirm to showing time. When you want to get back to your COUNTDOWN/UP push L 5 times and push S to enter and the display will show. Pushing S again will enter setting mode. You can abort this setting effort by pushing M to revert to showing time.

Pushing L while COUNTDOWN/UP is running and displaying will toggle to give you the event date set for 3 seconds. A small UP/DOWN arrow to the right of digits will indicate if it is counting up or down. The alarm will start chiming 30 seconds before the event.

STOP WATCH with lap time and 1/100 second count

The stopwatch will run up to 99 hours, 99 minutes and 99 seconds before automatically stops. If you want to reset to showing time it will still run in the background and can be accessed at any time.

- ~Push M 3 times until display reads STOP WATCH.
- ~Push S to enter.
- ~Push L to start stopwatch.
- ~To take lap times push L when every lap is passed.
- The stop watch times push L seamlessly continue running while showing the last lap time for 5 seconds before it starts showing the new lap time.
- ~When finished push S, the last lap time will show.
- ~Then push S again to show total time of all laps.

If you then want to review your lap times and total time

- ~Push the M button once and watch will read RECALL
- ~Push S to cycle through your lap times and total time to study it as you see fit.
- ~Pushing M during recall will return to stopwatch function.
- Once you have entered RECALL mode it will be indicated by two tiny overlapping squares to the left of the readout. To reset stop watch to 00:00:00 from this mode:
- ~Push and hold the L button for 2 seconds until display reads RESET.
- ~Push L again to reset and start over.

If you have not recalled lap times and want to reset the STOP WATCH

- ~Push and hold the S button for 2 seconds until RESET displays.
- ~Push L to reset and start again at 00:00:00.
- The STOPWATCH will stay engaged until M is pushed to return to time.

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TURNING THE DIGITS OFF and TURNING THE BACKLIGHT ON

During setting procedures the B button is used to go backwards, turn on the backlight and to check the battery level.

- ~Pushing the B button twice will turn off the digital display. Pushing any button will turn the display back on.
- ~Push B once to activate the backlight for 3 seconds. If you are setting the watch at night push B regularly to keep the light on.

TRITIUM TUBES 24x1 T100

24 color coded tritium tubes marks the hours on the inner dial. Coupled with the one tube on the hand and a bright electro luminescent back light night time viewing is crystal clear.

The tubes contain a Gaseous Tritium Light Source - GTLS, and is slightly radioactive. The activity in the watch however, is very small, far below strict government regulation safety standards. The sun and the universe pummels you with way more radio-activity every day than this watch ever will. The WW watch has activity in around 1.3Gbp.

T100 tubes with half life at 12.5 years.

GTLS is completely safe when using watch normally. If you break the crystal, please contact us and return the watch to our company address. We will handle the repair for you.

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CHECKING BATTERY LEVEL

- ~Push and hold B for 2 seconds to show battery level up to 4 bars.
- The battery display will start flashing when you are about to run out of power.

HOW TO CHARGE BATTERY with 2.0 CLIP

- ~Plug the clip wire into your computer or USB power adapter.
- The tiny LED on the clip MUST light up blue.
- ~Make sure back plate contacts are clean then attach the clip. A red light will come on in the watch.
- ~Once the green light comes on the watch is charged to 4 bars. I suggest you leave it charging overnight, fill it up.
- ~When the battery goes low a low battery icon will start flashing. Check the battery level once and awhile to familiarize yourself with power levels.
- Battery manufacturer guarantees battery for 1 year, but with proper care we suspect it will last much longer. It is an alive element.
- ~The battery operating temperature range is 10 to 45 deg C for charging, and -20 to 60 deg C for regular use.
- ~The battery can handle hundreds of recharges.
- ~It will only do the battery good to stay charged.

Please note the red-light clip for the E0 will not work with the V7. Contact us for battery replacement procedure when the time comes.

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BEZEL DESCRIPTION

4 bezel inserts in 4 colors of silver, yellow, sky blue and orange. Each bezel has a 12:12 hour day/night indication. As such they can all be rotated to indicate time for a second location at a glance.

2400 The best bezel is also for use as a second time location is the 2400 bezel. This bezel is also perfect for military use and those who live in a place where 24-hour time is the standard.

AM/PM The perfect bezel for those who live in a place where AM/PM time is used.

SYMBOL The original bezel design. The symbols can be used as code for your daily personal rhythms, you decide. The symbols do align with the hour markers.

SOLUNAR The cleanest design. A simple 24-hour sweep that can be rotated to trace the sun or the moon cycle.

REPLACING or EXCHANGING BEZELS

The bezel inserts is held in place with double stick tape.

- ~To try out the old bezel, insert a sharp pointed tool in the tiny groove between the crystal and bezel. An EXACTO knife works perfectly.
- ~Move the crystal tool around the entire bezel to loosen all parts of it gradually, they bend easily.

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- ~Clean the case bezel, alcohol on a Q-tip works well.
- ~Remove protective tape cover from new bezel and place onto watch firmly. Make sure the stones align with the grooves in the bezel in order to fit right. If you managed to save the old bezel put the protective cover onto it. With some care they can be reused.

SCREW PINS FOR BRACELET ATTACHMENT

If you want to change bracelet or straps use the included hex tool to remove the screw. Careful so you don't lose it in the carpet. Pretend you are a jeweler. Make sure the screw is firmly tightened when re-attaching. A drop of Loctite 243 on the screw threads when putting it back together is recommended, certainly if you are a rough and tumble guy.

BASIC CLEANING

As need dictate rinse you watch under luke warm water, use a mild detergent and an old toothbrush gently to remove dirt. Make sure to NOT push any of the buttons while doing this.</