



V O L T A



31-560321
Edition



M A N U A L

DEAR CUSTOMER,

WE WOULD LIKE TO BE THE FIRST TO THANK YOU FOR CHOOSING A WATCH WINDER MADE BY VOLTA. WE WOULD ALSO LIKE TO THANK YOU FOR TRUSTING IN OUR PRODUCT AS WELL AS OUR COMPANY. WE TRUST THAT YOU WILL ENJOY YOUR NEW VOLTA WINDER FOR MANY YEARS TO COME.

VOLTA WINDERS

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ABOUT US

VOLTA IS DERIVED FROM THE ITALIAN WORD "VOLTA" WHICH MEANS TIME. OUR WINDERS ARE DESIGNED WITH EXACTLY THAT IN MIND. WE STRIVE TO PROVIDE A PRODUCT THAT ENSURES THAT YOUR AUTOMATIC WATCHES WILL KEEP AN EXACTLY ACCURATE TIME, EVEN IF IT ISN'T BEING WORN.

OUR COMPANY HAS BEEN IN THE WATCH AND JEWELRY BUSINESS FOR MORE THAN 30 YEARS. SINCE 1981, WE HAVE BEEN PROVIDING OUR CUSTOMERS WITH THE FINEST PRODUCTS BY UTILIZING THE HIGHEST QUALITY MATERIALS AVAILABLE. BY USING ONLY THE FINEST MATERIALS, WE ARE ABLE TO ENSURE LONGEVITY IN OUR PRODUCTS, WHICH IS UNMATCHED IN THE INDUSTRY.

OUR HIGHLY QUALIFIED ENGINEERS HAVE SPENT COUNTLESS HOURS DESIGNING EACH MODEL TO ENSURE FUNCTIONALITY AS WELL AS AN ARTISTIC APPEARANCE THAT OUR CUSTOMERS ARE SURE TO ENJOY. ALL OF OUR WINDERS ARE BUILT BY HAND AND RIGOROUSLY TESTED BEFORE LEAVING OUR PREMISES IN ORDER TO WITHSTAND THE TEST OF TIME.

WHY DO I NEED A WATCH WINDER?

ALL AUTOMATIC WATCHES USE THE EVERYDAY MOTIONS OF OUR HANDS IN ORDER FOR IT TO GENERATE POWER FOR ITSELF. THESE WATCHES DO NOT CARRY A BATTERY AND THEREFORE USES A POWER RESERVE IN THE WATCH TO KEEP THE MOVEMENT GOING EVEN WHEN THE WATCH ISN'T BEING WORN. DEPENDING ON THE WATCH, THE RESERVE GENERALLY LASTS FOR A PERIOD OF 24-40 HOURS. IF A WATCH IS NOT BEING WORN FOR A PERIOD OF TIME WHICH IS LONGER THAN THE RESERVE TIME, IT WILL STOP KEEPING TIME. THERE ARE MANY REASONS WHY A PERSON MIGHT NOT WEAR THEIR WATCH FOR A PERIOD LONGER THAN THEIR RESERVE. FOR EXAMPLE, IF YOU HAVE MULTIPLE WATCHES, YOU MIGHT ROTATE WATCHES THROUGHOUT THE WEEK, OR YOU MAY GO ON A VACATION AND OPT TO LEAVE YOUR WATCH BEHIND. WHATEVER THE REASON MAY BE, EVENTUALLY THE RESERVE WILL FADE AND YOUR WATCH WILL ULTIMATELY STOP KEEPING TIME. THIS CAN BE A GREATER NUISANCE IF YOUR WATCH HAS A MOON PHASE FEATURE WHICH REQUIRES A MORE TEDIOUS SETTING TO READJUST IT.

THE SOLUTION TO THIS PROBLEM IS TO USE A VOLTA WATCH WINDER, WHICH BASICALLY MIMICS THE EVERYDAY MOTIONS MADE BY YOUR HAND IN ORDER TO KEEP THE WATCH RUNNING AND ACCURATE. ALL VOLTA WINDERS HAVE THE OPTION OF TURNING CLOCKWISE, COUNTER CLOCKWISE, OR A COMBINATION OF BOTH. IT ALSO HAS FOUR DIFFERENT TURNS-PER-DAY (TPD) SETTINGS, WHICH ENSURES THAT IT WILL WORK FOR ANY TYPE OF WATCH.

FREQUENTLY ASKED QUESTIONS (FAQ'S)

1. CAN MY WATCH EVER BE OVER-WOUND?

A. YES, IT IS POSSIBLE TO OVER-WIND YOUR WATCH. SOME WINDERS CONTINUOUSLY TURN ALL DAY LONG, WHICH EVENTUALLY WILL PUT EXTRA TENSION ON THE INTERNAL MECHANISMS OF YOUR WATCH, AND MAY EVENTUALLY RUIN THE MOVEMENT OF THE WATCH. IN ORDER TO PROTECT THE VALUABLE WATCHES OF OUR CUSTOMERS, EACH AND EVERY ONE OF OUR WINDERS FEATURE A PROGRAMMED TIMER SETTING WHICH ENSURES THAT IT ROTATES FOR CERTAIN AMOUNT OF TIME, THEN RESTS, THEN REPEATS. THIS ADDED FEATURE ALLOWS YOU TO NEVER HAVE TO WORRY ABOUT OVER-WINDING YOUR WATCH BECAUSE IT DOESN'T CONSTANTLY TURN LIKE OTHER BRANDS DO. YOU CAN REST ASSURE THAT NONE OF OUR WINDERS WILL EVER OVER-WIND YOUR WATCH!

2. HOW DO I KNOW WHICH TURNS-PER-DAY SETTING IS RIGHT FOR MY WATCH?

A. EACH AND EVERY WATCH HAS A DIFFERENT TPD REQUIREMENT IN ORDER TO KEEP IT RUNNING. PLEASE CHECK OUR WEBSITE (WWW.VOLTAWINDERS.COM) FOR THE MOST UP TO DATE LIST ON TPD REQUIREMENTS FOR MOST WATCHES. GENERALLY, THE RULE OF THUMB IS THAT YOU WANT TO USE THE LOWEST TURNS PER DAY SETTING THAT WILL KEEP YOUR WATCH WOUND. SO, IF YOU CAN'T ACCESS OUR WEBSITE OR YOUR WATCH ISN'T LISTED, TRY SETTING IT TO GO CLOCKWISE AND COUNTER-CLOCKWISE, AND THEN SET IT TO THE LOWEST TPD SETTING. IF THIS DOESN'T KEEP YOUR WATCH WOUND, USE THE NEXT HIGHER TPD SETTING UNTIL YOU FIND ONE THAT WORKS FOR YOUR WATCH.

INITIAL OPERATION:

1. BEFORE POWERING THE UNIT ON

A. MAKE SURE TO POSITION THE WINDER ON TOP OF A LEVEL SURFACE IN ORDER TO ALLOW OPTIMUM OPERATION. PLUG THE ADAPTER INTO THE BACK OF THE UNIT, THEN PLUG THE OTHER END INTO THE WALL OUTLET.

2. HOW TO MOUNT THE WATCH ONTO THE HOLDER

- A. MAKE SURE THE WINDER IS POWERED OFF BEFORE ATTEMPTING TO PULL OUT THE WATCH HOLDER.
- B. IN ORDER TO DETACH THE WATCH HOLDER, PUSH THE TWO HANDLES ON BOTH SIDES OF THE HOLDER TOGETHER UNTIL THE HOLDER DETACHES FROM THE MOUNT.
- C. ON THE UNDERSIDE OF THE HOLDER, THERE IS A SPRING LOADED ADJUSTER. PUSH IT IN ALL THE WAY AND IT SHOULD LOCK ITSELF INTO PLACE.
- D. PUT THE WATCH AROUND THE HOLDER, AND CENTER IT. CLOSE THE WATCH AROUND THE HOLDER.
- E. ON EACH SIDE OF THE WATCH HOLDER, THERE IS A CIRCLE UNDERNEATH THE HANDLES. PUSH BOTH OF THE CIRCLES IN ON EACH SIDE (TOWARDS EACH OTHER) AND THE SPRING LOADED ADJUSTER SHOULD RELEASE, THEREFORE SECURING YOUR WATCH INTO PLACE.
- F. AFFIX THE WATCH HOLDER ONTO THE WINDER MOUNT.
- G. THE WINDER CAN NOW BE TURNED ON.

3. INSERTING THE BATTERIES

BATTERIES ARE USED IN THE LCD DISPLAY TO ENSURE THAT YOUR SETTINGS REMAIN PROGRAMMED IN THE WINDER EVEN IF THERE IS A LOSS OF POWER TO THE ACTUAL WINDER ITSELF.

****PLEASE DO NOT USE RECHARGEABLE BATTERIES****

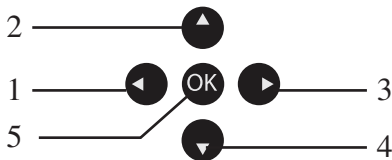
TO INSERT NEW BATTERIES (OR REPLACE USED BATTERIES), REMOVE THE COVER ON THE BATTERY COMPARTMENT. IF YOU ARE REPLACING OLD BATTERIES, ILLUMINATED LED'S INDICATE WHICH BATTERY NEEDS TO BE REPLACED. INSERT NEW BATTERIES AND MAKE SURE TO POSITION THEM ACCORDING TO THE + OR - SIGN SHOWN ON THE BATTERY COMPARTMENT.






FULL BATTERIES SHOULD PROVIDE AN OPERATING TIME OF APPROXIMATELY ONE YEAR DEPENDING ON THE MANUFACTURER AND QUALITY. FURTHERMORE, FREQUENT USE OF THE SPEED-WINDING MODE, HIGH TPD SPEEDS, OR FREQUENT USE OF THE DISPLAY CAN LEAD TO A SHORTER BATTERY LIFE.

IF THE WINDER IS NOT BEING USED FOR AN EXTENDED PERIOD OF TIME, PLEASE MAKE SURE TO REMOVE THE BATTERIES TO AVOID ANY LEAKAGE.

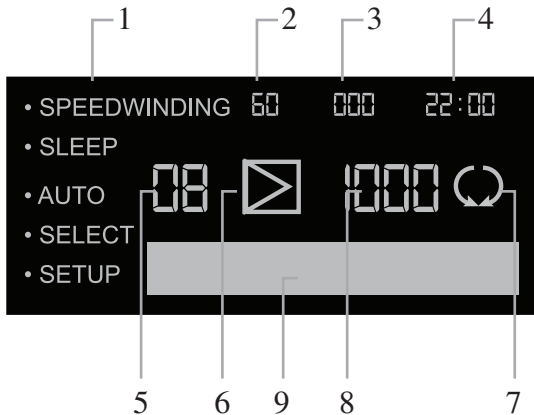
4. DESCRIPTION OF THE LCD CONTROL



- A. THE LCD CONTROL IS MADE UP OF TWO COMPONENTS: THE LCD DISPLAY AND THE CURSOR
- B. DESCRIPTION OF THE CURSOR



1.  NAVIGATES HORIZONTALLY TO THE LEFT. PRESS THIS BUTTON ONCE OR REPEATEDLY TO RETURN TO THE MAIN MENU.
2.  NAVIGATES VERTICALLY UPWARDS OR CHANGES THE SELECTED FUNCTION.
3.  NAVIGATES HORIZONTALLY TO THE RIGHT.
4.  NAVIGATES VERTICALLY DOWNWARDS OR CHANGES THE SELECTED FUNCTION.
5.  USE THIS BUTTON TO CONFIRM YOUR INPUTS.

C. DESCRIPTION OF THE LCD DISPLAY



1. MAIN MENU – SCROLL THROUGH THE VARIOUS FUNCTIONS. THE DOT IN FRONT OF EACH FUNCTION LIGHTS UP WHEN THE FUNCTION IS ACTIVE.
2. DISPLAYS THE TIME REMAINING IN SPEEDWINDING MODE.
3. BATTERY LIFE INDICATOR – THIS ICON WILL LIGHT UP 3-4 DAYS PRIOR TO CRITICAL BATTERY LIFE.
4. QUARTZ CONTROLLED REFERENCE CLOCK
5. MOTOR SELECTION – THIS WILL DISPLAY THE SPECIFIC MOTOR SELECTED.
6. ON/OFF INDICATOR –  - ON  - OFF
7. TPD SETTING – NUMBER OF REVOLUTIONS PER DAY SELECTED
8. ROTATION DIRECTION – ARROWS SHOW WHETHER THE SPECIFIED MOTOR WILL RUN CLOCKWISE, COUNTERCLOCKWISE, OR A COMBINATION OF CLOCKWISE AND COUNTERCLOCKWISE.
9. INFORMATION FIELD DISPLAYS THE CURRENT SETTINGS.
THE DISPLAY'S ILLUMINATION WILL GO OUT 2 MINUTES (20 SECONDS) AFTER THE LAST OPERATION OR INPUT. PRESSING ANY BUTTON WILL REACTIVATE THE DISPLAY.







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BASIC STARTUP SETTINGS

A. INITIAL STARTUP

WHEN YOU TURN ON THE DEVICE FOR THE FIRST TIME, AUTO MODE WILL AUTOMATICALLY BE ACTIVATED. IF YOU DO NOT SEE AUTO (FLASHING), PRESS THE LEFT CURSOR BUTTON ONCE OR A FEW MORE TIMES UNTIL YOU REACH MAIN MENU A.

B. ADJUSTING THE CLOCK

IN THE MAIN MENU, SET THE FUNCTION TO SETUP. ONCE IN SETUP, PUSH  UNTIL TIME (FLASHING) APPEARS IN THE TOP RIGHT AREA ON THE DISPLAY. PUSH  . THE FIRST TWO NUMBER FIELDS WILL BEGIN TO FLASH AND CAN BE ADJUSTED BY PUSHING  OR  . NOW PUSH  TO ACTIVATE THE NEXT INPUT FIELD. ADJUST THIS FIELD THE SAME WAY AS YOU DID BEFORE. ONCE THE CLOCK IS SET TO THE CORRECT TIME, PRESS  TO CONFIRM YOUR SETTINGS.

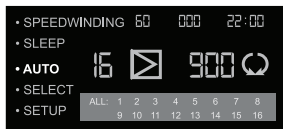
CHOOSING A WINDING MODE

UNLESS YOU CHOOSE SPEEDWINDING MODE, WATCHES ARE WOUND IN HOURLY CYCLES. SHORT WINDING PHASES OF 8 REVOLUTIONS PER MINUTE ARE FOLLOWED BY LONGER RESTING PERIODS. THE RATIO BETWEEN WINDING TIME AND RESTING TIME IS DETERMINED BY THE PRESET NUMBER OF REVOLUTIONS PER DAY. IF BOTH CLOCKWISE AND COUNTERCLOCKWISE ROTATION IS SELECTED, THE WINDER WILL AUTOMATICALLY CHANGE THE DIRECTION OF ROTATION. THE DISPLAYED NUMBER OF REVOLUTIONS SELECTED IS THE TOTAL NUMBER OF REVOLUTIONS FOR BOTH DIRECTIONS COMBINED.





THE THREE WINDING OPTIONS AVAILABLE ARE:

- A. AUTO MODE
- B. SELECT MODE
- C. SPEEDWINDING MODE
- D. SLEEP MODE

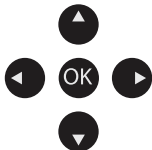
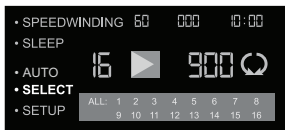
A. WINDING IN AUTO MODE








THE DEFAULT SETTING FOR YOUR WINDER IS AUTO MODE. ON AUTO MODE, YOUR WINDER WILL ROTATE AT 900 REVOLUTIONS PER DAY AND WILL TURN CLOCKWISE AND COUNTERCLOCKWISE ROTATIONS. THIS IS THE MOST COMMONLY USED SETTING AND ACCOMMODATES MOST AUTOMATIC WATCHES. IF YOU DO NOT KNOW THE EXACT RECOMMENDED TPD SETTINGS FOR YOUR EXACT WATCH, IT IS RECOMMENDED THAT YOU USE AUTO MODE.

PLEASE NOTE: THE WINDER SHOULD BE SET TO AUTO MODE AND AUTO SHOULD BE FLASHING. IF AUTO IS NOT FLASHING, PUSH  UNTIL YOU REACH THE MAIN MENU. THEN PUSH   UNTIL AUTO IS SELECTED AND THEN PUSH  TO CONFIRM THAT YOU WOULD LIKE TO CHOOSE AUTO MODE.

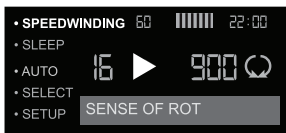
B. WINDING IN SELECT MODE



IF YOU KNOW THE RECOMMENDED TPD SETTINGS FOR YOUR PARTICULAR WATCH, IT IS BEST TO USE SELECT MODE. TO USE THE SELECT MODE, PUSH  UNTIL YOU REACH THE MENU. PUSH  &  UNTIL SELECT IS HIGHLIGHTED, THEN CONFIRM YOUR CHOICE BY PUSHING  . ONCE SELECT IS CHOSEN, ALL 1-16 WILL APPEAR IN THE INFORMATION FIELD. ALL WILL FLASH AND WILL INDICATE THEIR ACTIVE STATUS BY SHAKING THE RESPECTIVE WATCH HOLDER.

USE THE CURSOR TO NAVIGATE TO THE RIGHT AND LEFT TO SELECT A PARTICULAR WINDER TO CHANGE THE SETTINGS FOR THAT PARTICULAR WINDER. ONCE A WINDER IS SELECTED, THAT PARTICULAR WINDER WILL SHAKE, MEANING THAT THE SETTINGS ARE NOW ABLE TO BE ADJUSTED. ONCE THE NECESSARY ADJUSTMENTS HAVE BEEN MADE, PUSH  TO CONFIRM YOUR SETTINGS. REPEAT THIS PROCESS TO CHANGE THE SETTINGS OF EACH WINDER.

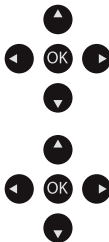
C WINDING IN SLEEPWINDING MODE



SLEEPWINDING MODE IS USED FOR A WATCH THAT IS STOPPED OR NEAR THE END OF ITS POWER RESERVE. THIS MODE WILL WIND THE WATCH CONTINUOUSLY FOR ONE HOUR IN THE SELECTED DIRECTION OF ROTATION. ONCE THE HOUR IS FINISHED, THE SLEEPWINDING MODE STOPS AND THE WINDER WILL AUTOMATICALLY CONTINUE USING THE PREVIOUSLY USED MODE (AUTO/SELECT)

ACTIVATE THE SLEEPWINDING MODE BY SELECTING IT IN THE MAIN MENU. PUSH **OK** TO CONFIRM THIS SETTING. PUSH **▲** & **▼** TO CHANGE THE ROTATION OF THE ROTATION DIRECTION. PUSH **OK** TO CONFIRM THE DESIRED ROTATION. THE REMAINING TIME FOR THE SLEEPWINDING MODE WILL BE DISPLAYED ON THE LCD DISPLAY

D. WINDING IN SLEEP MODE



THE SLEEP MODE IS THE MOST SIMILAR TO NORMAL DAY TO DAY WEAR. IN THIS MODE, THE WATCH IS NOT WOUND FOR A PROGRAMMABLE PERIOD OF UP TO 16 HOURS. THIS MODE ALLOWS THE MAINSPRING TO RELEASE TENSION. THE NUMBER OF REVOLUTIONS PER DAY SHOWN ON THE DISPLAY WILL BE CARRIED OUT IN THE REMAINING TIME OUTSIDE OF THE SLEEP PERIOD.

TO ACTIVATE THE SLEEP MODE, NAVIGATE TO THE SLEEP MODE AND PUSH **OK** TO CONFIRM. THE WORD **START** AND THE STARTING TIME OF THE SLEEP PHASE WILL APPEAR IN THE BOTTOM OF THE DISPLAY. USE THE **▲** & **▼** BUTTONS TO CHANGE THE STARTING TIME IN INCREMENTS OF 15 MINUTES. PUSH **OK** TO CONFIRM. THEN THE WORD **END** WILL APPEAR. SELECT THE TIME FOR THE SLEEP MODE TO END, THEN PUSH **OK** TO CONFIRM.

THE SLEEP MODE WILL REPEAT DAILY UNLESS IT IS UNSELECTED IN THE MENU.

EXPLANATION OF THE TURNS PER DAY MODES

YOUR WATCH WINDER HAS A BUILT-IN TIMER THAT ALLOWS IT TO RUN ON ONE HOUR INTERVALS. DEPENDING ON THE NUMBER OF ROTATIONS/TURNS YOU HAVE SELECTED, THE OPERATION TIME AND THE RESTING TIME WILL AUTOMATICALLY ADJUST. IF YOU SELECT A BI-DIRECTIONAL ROTATION (CLOCKWISE AND COUNTER-CLOCKWISE), THE OPERATION TIME WILL BE DIVIDED IN HALF BUT THE RESTING PERIOD WILL REMAIN THE SAME. SEE THE CHART BELOW FOR APPROXIMATE OPERATION/RESTING TIMES.

TURNS PER DAY	OPERATION TIME (APPROX.)	RESTING PERIOD (APPROX.)
650	3 MIN. 30 SEC.	56 MIN. 30 SEC.
900	5 MIN. 00 SEC.	55 MIN. 00 SEC.
1350	7 MIN. 00 SEC.	53 MIN. 00 SEC.
1800	9 MIN. 30 SEC.	50 MIN. 30 SEC.

ADAPTER SPECIFICATIONS

ALL ADAPTERS THAT ARE SHIPPED WITH VOLTA WINDERS ARE 110-220V

BELOW ARE THE SPECIFICATIONS FOR EACH ADAPTER DEPENDING ON THE NUMBER OF WINDERS.

NUMBER OF WINDERS	VOLTS	AMPS	VOLTAGE INPUT
1-4	6V	400mA	110-220V
5-8	6V	1A	110-220V
16	6V	2A	110-220V
24-32	6V	4A	110-220V



VOLTA WARRANTY INFORMATION

VOLTA EXPRESSLY WARRANTS THAT IT WILL REPAIR OR REPLACE THIS PRODUCT, FREE OF CHARGE, IF IT FAILS DUE TO ANY MANUFACTURING DEFECT DURING THE FIRST YEAR BEGINNING FROM THE ORIGINAL DATE OF PURCHASE. SHIPPING CHARGES MAY APPLY!

THIS WARRANTY SHALL NOT APPLY TO DAMAGE CAUSED BY:

1. FAILURE TO FOLLOW THE RECOMMENDED PROCEDURES;
2. PHYSICAL ABUSE, ACCIDENTS, OR MISUSE;
3. EXPOSURE TO EXCESSIVE HEAT;
4. FAULTY OR IMPROPER INSTALLATION.

VOLTA'S OBLIGATION IS LIMITED SOLELY TO THE REPAIR OR REPLACEMENT OF THE PRODUCTS PURCHASED HEREUNDER, INCLUDING REASONABLE AND NECESSARY LABOR CHARGES. NO OTHER EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE MADE BY THIS WARRANTY EXCEPT FOR THOSE EXPRESSLY PROVIDED HEREIN. UNDER NO CIRCUMSTANCES SHALL DIPLOMAT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM THE PURCHASE, USE OR INABILITY TO USE THE PRODUCT, OR FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

HOW DO I OBTAIN WARRANTY SERVICE?

TO OBTAIN SERVICE UNDER THIS WARRANTY, PLEASE CONTACT VOLTA BY EMAILING US AT:

INFO@VOLTAWINDERS.COM

PLEASE MAKE SURE TO INCLUDE:

1. YOUR NAME
2. ADDRESS
3. PHONE NUMBER
4. DESCRIPTION OF THE PROBLEM
5. ORIGINAL PURCHASE DATE

ONCE WE RECEIVE A REQUEST, WE WILL PROCEED TO HANDLE THE SITUATION ACCORDINGLY.

ABOUT YOUR PRODUCT

THIS PRODUCT HAS BEEN HAND CRAFTED, RIGOROUSLY TESTED, AND APPROVED FOR LONG-TERM USE.

PLEASE KEEP THIS PAGE FOR YOUR RECORDS.

SERIAL NUMBER: _____

MODEL NUMBER: 31-560321 _____

PURCHASED FROM: _____

DATE OF PURCHASE: _____



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