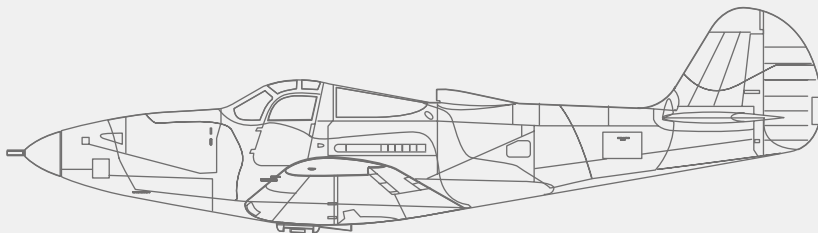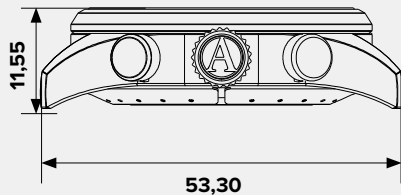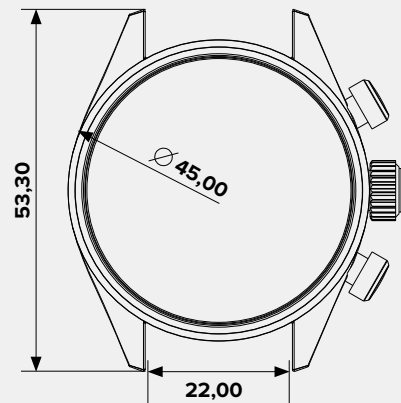# FLIGHT MANUAL

AIRACOBRA /// P45 CHRONO

MANUFACTURER: AVIATOR WATCH SA

AIRCRAFT TYPE: AIRACOBRA P45

REFERENCE NUMBERS: V.2.25.0.169.4, V.2.25.5.169.4,
V.2.25.0.170.4, V.2.25.7.171.4, V.2.25.8.172.4, V.2.25.2.173.4,
V.2.25.5.174.4, V.2.25.0.169.5, V.2.25.5.169.5, V.2.25.0.170.5,
V.2.25.7.171.5, V.2.25.8.172.5, V.2.25.2.173.5, V.2.25.5.174.5

DIMENSIONAL DATA

⌀ 45,00

53,30

22,00

11,55

53,30

TECHNICAL SPECIFICATIONS

Functions
Hours, minutes, small second, date indication
Chronograph, center stop second, hours counter, minutes counter
Add and split functions
Tas true air speed indicator

Movement type
Quartz, ronda 5030.D
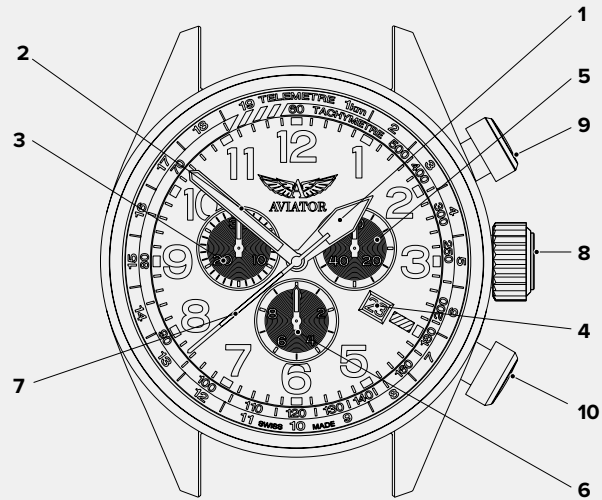
Crown
Screw-locked / two gaskets

Crystal
Sapphire crystal / glare-proofed / scratch-resistant

Water resistant
100 M (330 ft)

COCKPIT LAYOUT

1	Hour hand	Minute counter	6
2	Minute hand	Small seconds hand	7
3	Hour counter	Screw-in crown	8
4	Date display	Start/stop push-button	9
5	Chronograph seconds hand	Reset push-button	10
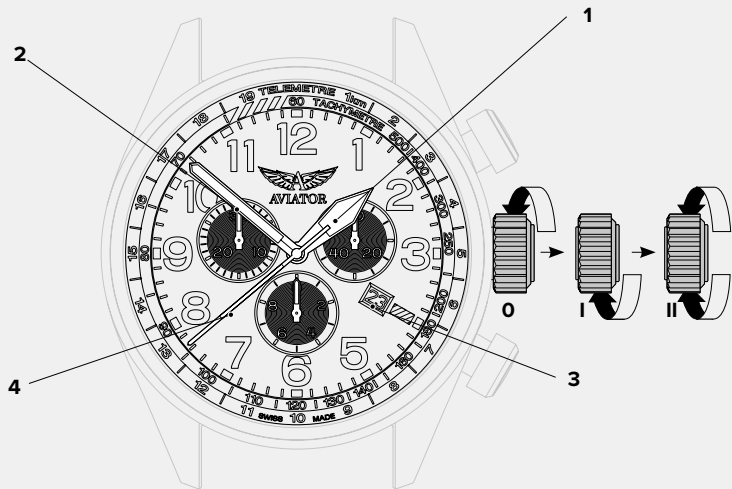
1	Hour hand	Working position	0
2	Minute hand	Date setting position	I
3	Date display	Time setting position	II
4	Small seconds hand		

BASIC FUNCTIONS

STARTING THE WATCH
Your AVIATOR watch is battery-powered with power reserve up to 45 months. If you envisage not wearing your AVIATOR watch for several weeks or months, we would advise you to store it with the crown pulled out into position II. This cuts the electrical power supply to the motor, consequently extending the battery life.

⚠ CAUTION   When wearing the watch, always return the crown to position 0 to ensure your watch is water resistant.

DATE SETTING
First, set the time to 12 midnight in order to know the exact starting point of 24 hours. To set the date on your AVIATOR watch, pull the crown to position I, turn the crown forward to choose the correct date. Once date is set correctly, push back the crown to position 0. Now you can set the correct time.

If a month has fewer than 31 days, you will need to set the date manually to the first day of the following month.

TIME SETTING
Pull out the crown to position II. This will stop the movement to set the time accurately to the second. It is the best to stop the movement as the seconds hand passes "60". Now move the minute hand a little bit beyond the time to be set. Then adjust the position of minute hand by moving it backward to the correct minute stroke. This ensures that the minute hand starts to move just when you restart the movement. To make the watch working again push the crown back to position 0.
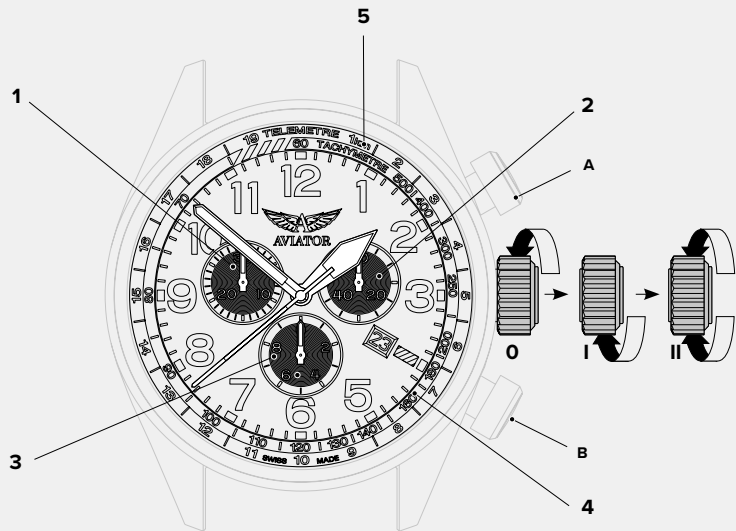
1	Chronograph seconds hand	Start/stop pusher	**A**
		Reset pusher	**B**
2	Minute counter		
3	1/10 seconds counter		
4	Tachymeter scale		
5	Telemeter scale		

SPECIAL FUNCTIONS

READING THE CHRONOGRAPH
Chronograph central seconds hand: The seconds hand runs around the scale on the edge of the dial and indicates the elapsed second once you stop and read measurements of chronograph

Minute counter: The small hand in the counter indicates elapsed minutes. This sub-dial indicates up to 30 minutes making two revolutions in one hour.

1/10 seconds counter: The small hand in the counter indicates elapsed 1/10 seconds. This sub-dial makes one revolution in one second.

ADJUSTING THE CHRONOGRAPH HANDS TO ZERO POSITION
One or several chronograph hands might be not in their correct zero positions and have to be adjusted (e.g., this may occur following a battery change)

Activate the corrective mode
1. Pull out the crown to position II (all chronograph hands are in their correct or incorrect zero position).
2. Keep push-buttons A and B depressed simultaneously for at least 2 seconds (the chronograph central second hand rotates by 360-degrees → corrective mode is activated, you can start adjusting the chronograph hands)

Chronograph central seconds hand
1. Press pusher A to make single step
2. Press an hold pusher A to move hand continuously
3. Set the hand to its zero position

Minute counter
1. Press 2 times pusher B to activate the minute counter hand
2. Press pusher A to make single step
3. Press an hold pusher A to move hand continuously
4. Set the hand to its zero position

1/10 seconds counter
1. Press pusher B to activate the 1/10 second counter hand
2. Press pusher A to make single step
3. Press an hold pusher A to move hand continuously
4. Set the hand to its zero position

OPERATING THE CHRONOGRAPH
Measuring time of single interval
1. Start the chronograph by pressing the pusher A
2. Press the pusher A again to stop the chronograph
3. Read the elapsed time of the interval
4. Reset the chronograph to zero position by pressing pusher B

Measuring accumulated time of several intervals
1. Start the chronograph by pressing the pusher A
2. To interrupt the measurement press the pusher A again
3. Read the elapsed time of the first interval
4. Resume the chronograph by pressing pusher A
5. Stop the measurement by pressing pusher A once more time
6. Read the accumulated time of two intervals
7. Repeat the procedure up to as many times you need to interrupt the work of chronograph
8. Once finished reset the chronograph to zero position by pressing pusher B

USING TACHYMETER
The tachymeter is the scale on the dial that enables the user to determine average speed or hourly productivity rate based on an observation period of less than 60 seconds
Average speed
Use the chronograph to measure the time required to cover a kilometer or a mile. Once you travel 1 km or mile, stop the chronograph and the position of central chronograph second hand will indicate the average speed. If it stops at 30 seconds, the average speed is 120 km/h or 120 miles/h.

Hourly productivity rate
Measure the time require to produce 1 unit. If the chronograph is stopped at 30 seconds it indicates 120, corresponding to an hourly productivity rate of 120 units.

USING TELEMETER
The Telemeter is the scale on the dial that enables the user to measure the distance to an event that can be both seen and heard (e.g. a lightning bolt) using the speed of sound. The user starts the chronograph at the instant the event is seen, and stops timing at the instant the event is heard. The chronograph