

OPERATION MANUAL

SPECIAL FORCES
AIR ASSAULT TEAM
CHRONOGRAPH



CHASE-DURER

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BEZEL with Second Time Zone and Compass Markings

Second time zone hour marker

10° marker

3.3° marker

10° marker

1

>



Screwed Down

2

>>



Setting Positions

3

>>>



Screw Down Crown and Pushbuttons

1 > Push crown in and turn clockwise until tight. Turn crown counterclockwise until you no longer feel the threads gripping; crown can now be pulled out to positions **2** & **3**.

2 >> Date and Time Zone adjustment position.

3 >>> Stops second hand, setting minute and hour hands position.

WARNING: Crown must be locked down in position **1** at all times, use positions **2** & **3** for adjustments only. Pushbuttons do not screw down; *Do not operate pushbuttons under water!*

NOTE - Failure to screw down Crown to resist moisture will void your warranty

CHRONOGRAPH HANDS

30 minute counter

60 second counter

Pushbutton: **START/STOP**

1/10 second counter

Setting crown

Date indicator

Pushbutton: **Split-Time / Reset to Zero**

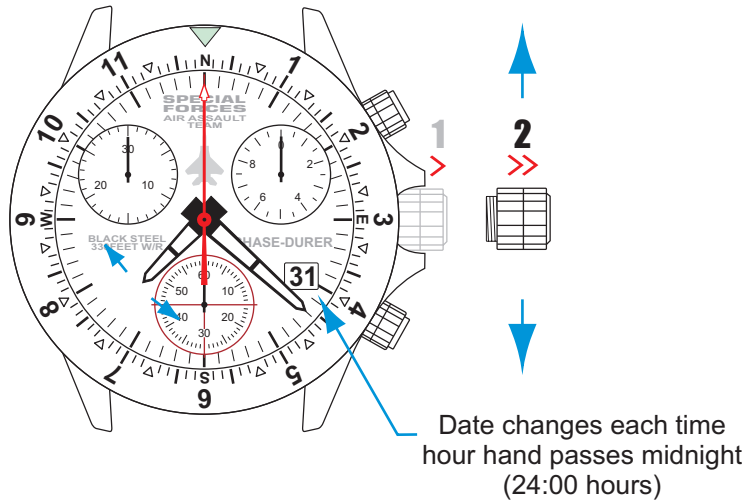
Minute hand

Second hand

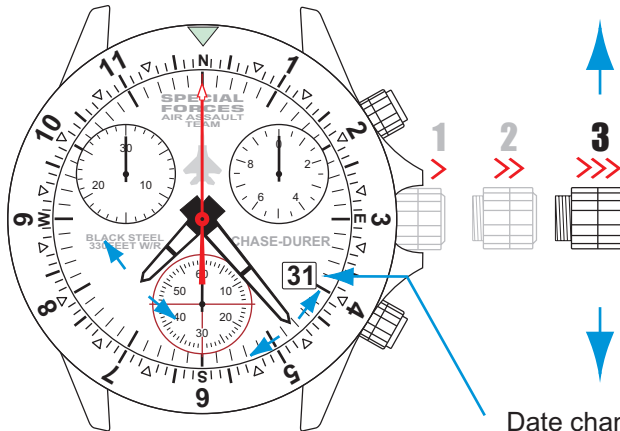
Hour hand

WATCH HANDS

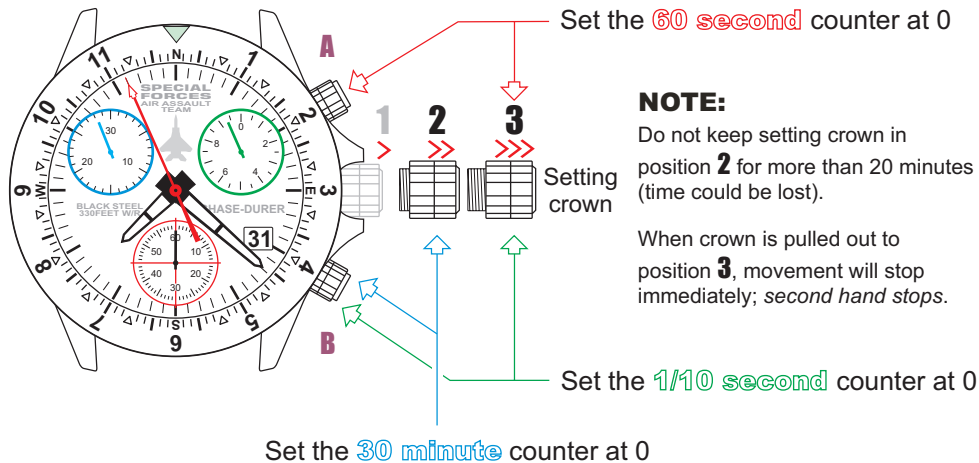
Setting crown in position **2**
moves only the hour hand



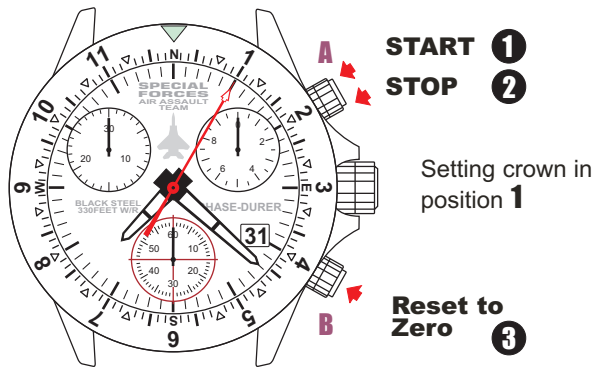
Setting Crown in position **3**
Stops Second Hand
and adjusts both hour
and minute hands



Date changes each time
hour hand passes midnight
(24:00 hours)



Note: Press **PUSHBUTTONS** longer than 1 second to advance hands quickly



WARNING:

Before each time is taken, the hands should be returned to their original position.

If necessary reset to zero with pushbutton **B**

1 to 3 order of functions

ADD FUNCTION: Order in which pushbuttons should be pressed.



A

1

START

2

STOP
Read

3

START

4

STOP
Read

...



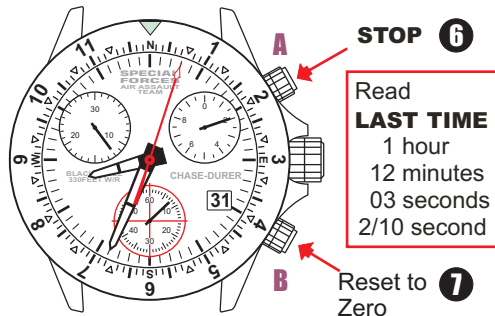
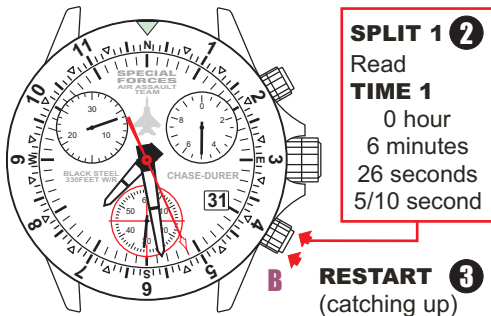
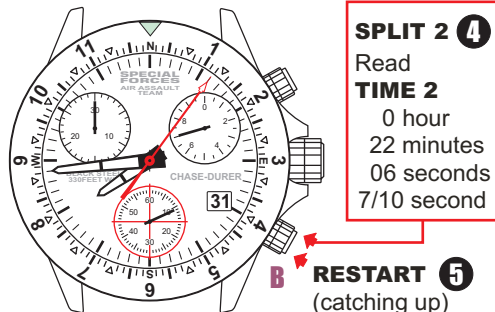
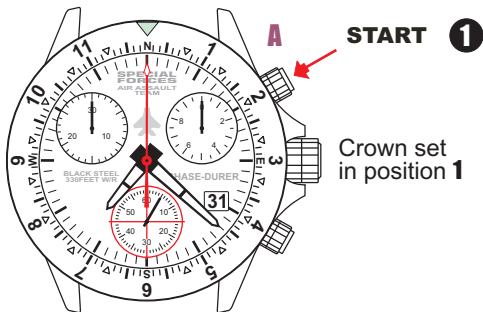
B

X

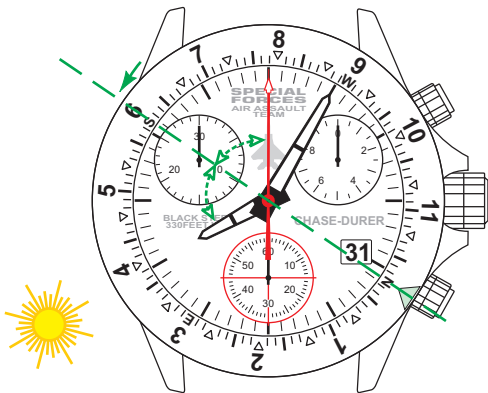
Reset to zero

1 to **7** order of functions

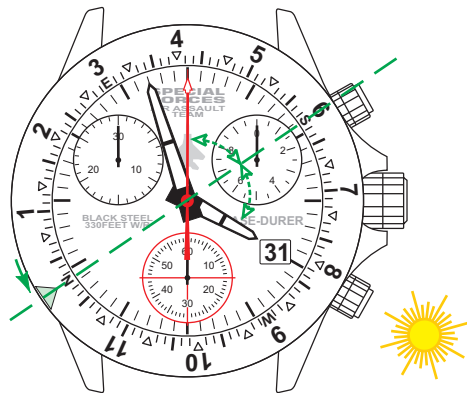
Note* Step **2** (or **4**) may be repeated as many times as necessary; Step **6** is the final reading.



8:05AM EST*



3:57PM EST*



Navigating by sun's position: The direction will be accurate if you are using true local time* without any adjustment for daylight savings time. The further you are from the equator, the more accurate this method will be.

In the northern hemisphere, bisect the angle between the hour hand and the 12 o'clock* mark and set the bezel's **S** indicator to that point. Hold the watch horizontal and point the hour hand at the sun; the bezel's **N** indicator will be pointing North. If there is any doubt as to which end of the line is north, remember that the sun rises in the east, sets in the west, and is due south at noon. The sun is in the east before noon and in the west after noon, so set the bezel's **S** indicator to the left of 12* in the AM and to the right of 12* in the PM.

***Note: If your watch is set for Daylight Savings Time instead of Standard Time, use the midway point between the hour hand and 1 o'clock to determine the north-south line.**

In the southern hemisphere, point 12 o'clock at the sun instead of the hour hand, the midway point between the hour hand and 12 o'clock will be the North/South line.

At **68°F** (20°C), sound travels at **344m** or **376yds** / **1,129ft** per second in air at sea level.

Therefore, at **68°F** (20°C) sound will travel:

1 mile (1,760 yards / 5,280 feet) in **4.68** seconds

1,000 yards in **2.66** seconds

1 kilometer in **2.91** seconds

To estimate the distance to an event (such as an explosion, muzzle flash, lightning, etc.), measure the time from the visual flash to the sound and multiply the seconds by the per second speed.

For example the measured lightning to thunder time at **68°F** is **10** seconds. **10 x 344m** or **376yds** / **1,129ft** would produce **3,440m** or **3,760yds** / **11,290ft**. (**2.14miles**)

Alternately, you can divide the measured time at **68°F** by **4.68** to get miles (**10s / 4.68 = 2.14miles**), or **2.66** for thousand yard distance, or by **2.91** for kilometers.

NOTE:

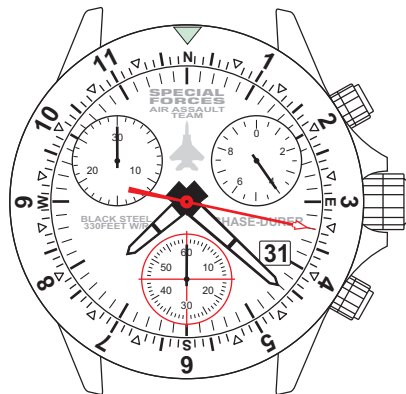
At **32°F** (0°C), sound travels at **332m** or **363yds** / **1,089ft** per second in air at sea level.

Therefore, at **32°F** (0°C) sound will travel:

1 mile / 1,760 yards / 5,280 feet in **4.85** seconds

1,000 yards in **2.75** seconds

1 kilometer in **3.01** seconds



Example: Sea level temp is **68°F** and lightning to thunder measured time is **17.4** seconds. Distance of lightning strike point is:

$$17.4s \times 1,129ft = 19,644ft$$

$$17.4s \times 376yds = 6,542yds$$

$$17.4s \times 344m = 5,986meters$$

OR:

$$17.4s / 4.68s = 3.72 \text{ miles}$$

$$17.4s / 2.66s = 6.54 \text{ thousand yards}$$

$$17.4s / 2.91s = 5.98 \text{ kilometers}$$

SPECIAL FORCES Air Assault Team Technical Specifications

- ◆ SWISS Made, 22-jewel precision ETA 251.272 quartz movement.
- ◆ Chronograph: 1/10th second, 60 seconds, 30 minutes elapsed time.
- ◆ Case in black PVD solid 316L stainless steel.
- ◆ Screw-locked crown with shoulder guard.
- ◆ Screw-in back.
- ◆ Water resistant to 330ft/100m.
- ◆ Unidirectional, ratcheted bezel with 12 hour second time zone and 360-degree compass heading marker.
- ◆ Calendar date window.
- ◆ Super-LumiNova advanced illumination system on hands & numbers.
- ◆ Scratch resistant sapphire crystal.
- ◆ 38mm diameter.
- ◆ Bracelet in black PVD solid 316L stainless steel with deployment buckle and double lock security clasp. Also available with military nylon band.
- ◆ Serial numbered.
- ◆ 2 year limited international warranty.

ETA Cal. 251.272

CHASE-DURER

9601 WILSHIRE BLVD. #1118

BEVERLY HILLS, CA 90210 USA

TEL: 800.544.4365 / 310.550.7280

FAX: 310.550.0830

E-MAIL: CUSTOMER-SERVICE@CHASE-DURER.COM

www.chase-durer.com