

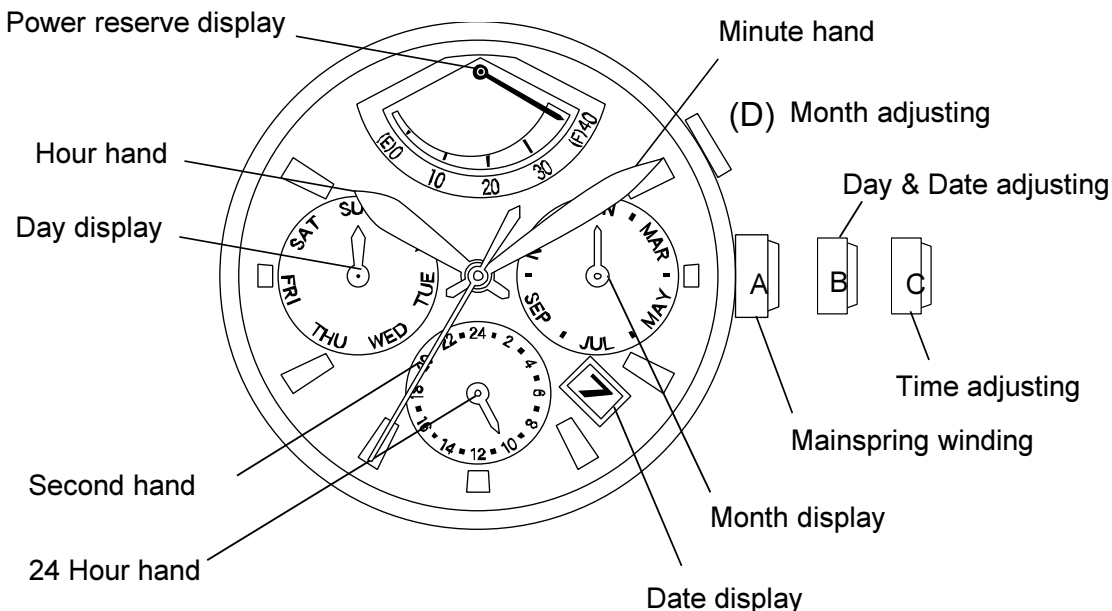
MIYOTA

UNIVERSAL MASTERPIECE BORN IN JAPAN
MADE IN JAPAN
METAL MOVEMENT

INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBRE NO. 91XX AUTOMATIC MOVEMENT

- 1) DISPLAYS AND BUTTONS
- 2) WINDING THE MAINSPRING
- 3) ADJUSTING DAY
- 4) ADJUSTING DATE
- 5) ADJUSTING TIME
- 6) ADJUSTING MONTH

1) DISPLAYS AND BUTTONS



2) WINDING THE MAINSPRING

Automatic winding watch can be also manual-winded by turning the crown in "A" position.
Wind 15 ~ 20 times clockwise until second hand starts to move naturally.

3) ADJUSTING DAY (Cal. 9100 / 9110 / 9120 / 9122)

Adjust the day by rotating the crown counter-clockwise in "B" position.

4) ADJUSTING DATE

Adjust the date by rotating the crown clockwise in "B" position.

5) ADJUSTING TIME

Rotate the crown in "C" position and adjust the standard time.
Then check if it is morning or afternoon and adjust correctly.

6) ADJUSTING MONTH (Cal. 9100 / 9120 / 9122)

Push the button "D" and adjust the month.

※If the button is not pushed to the end, the month is not changed perfectly.

These specifications might be changed without prior notice.

CITIZEN WATCH CO., LTD.

MIYOTA

诞生于日本的世界通用机械机心
日本制造
金属机心

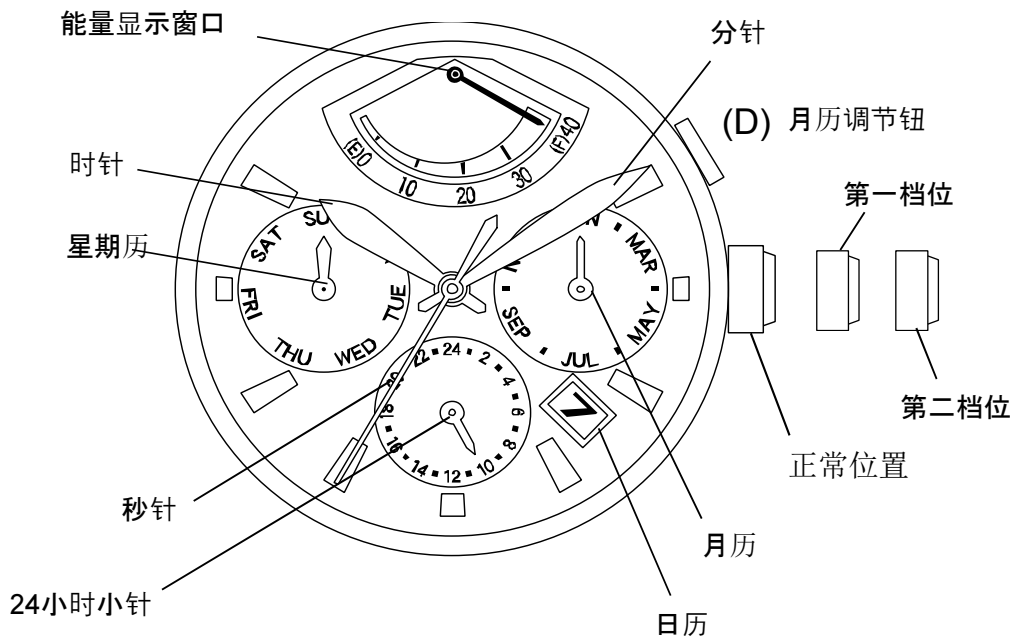
MIYOTA机心操作手册

型号 91XX

自动机械机心

- 1) 显示和按钮
- 2) 上发条
- 3) 调整星期历
- 4) 调整日历
- 5) 校时
- 6) 调整月历

1) 显示和按钮



2) 上发条

自动表也可以通过手动上发条，顺时针转动位于正常位置的柄头即可转十五至二十下，秒针即开始走动。

3) 调整星期历 (Cal. 9100 / 9110 / 9120 / 9122)

柄头拉到第一档，逆时针转动调整星期历

4) 调整日历

柄头拉到第一档，顺时针转动调整星期历

5) 校时

柄头拉到第二档调整时间，并确认上午或下午的钟点。

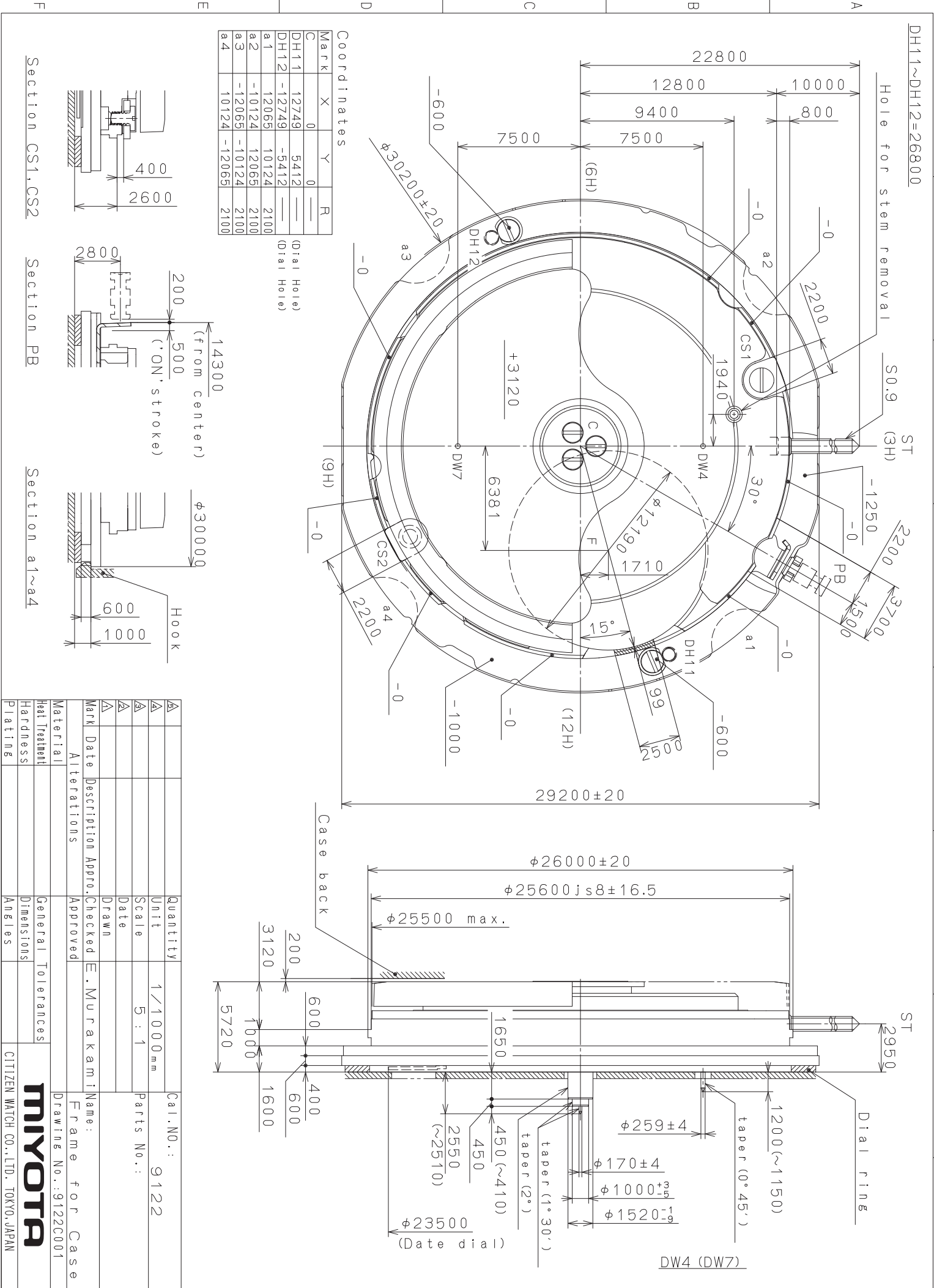
6) 调整月历 (Cal. 9100 / 9120 / 9122)

按月历调节钮，即D按钮调整月历

※如果按钮没有按到底的话，月历针可能会不跳动。

上述数值如有变更恕不另行通知
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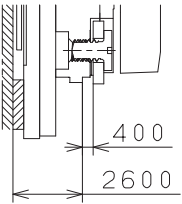
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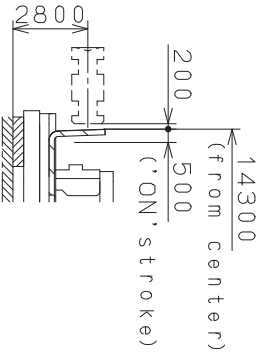
Mark	X	Y	R
C	0	0	—
DH11	12749	5412	—
DH12	-12749	-5412	—
a1	12065	10124	2100
a2	-10124	12065	2100
a3	-12065	-10124	2100
a4	10124	-12065	2100

(Dial Hole)
(Dial Hole)

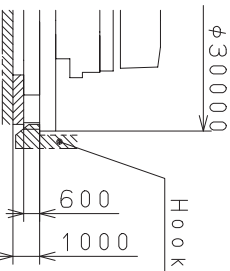
Section CS1, CS2



Section PB

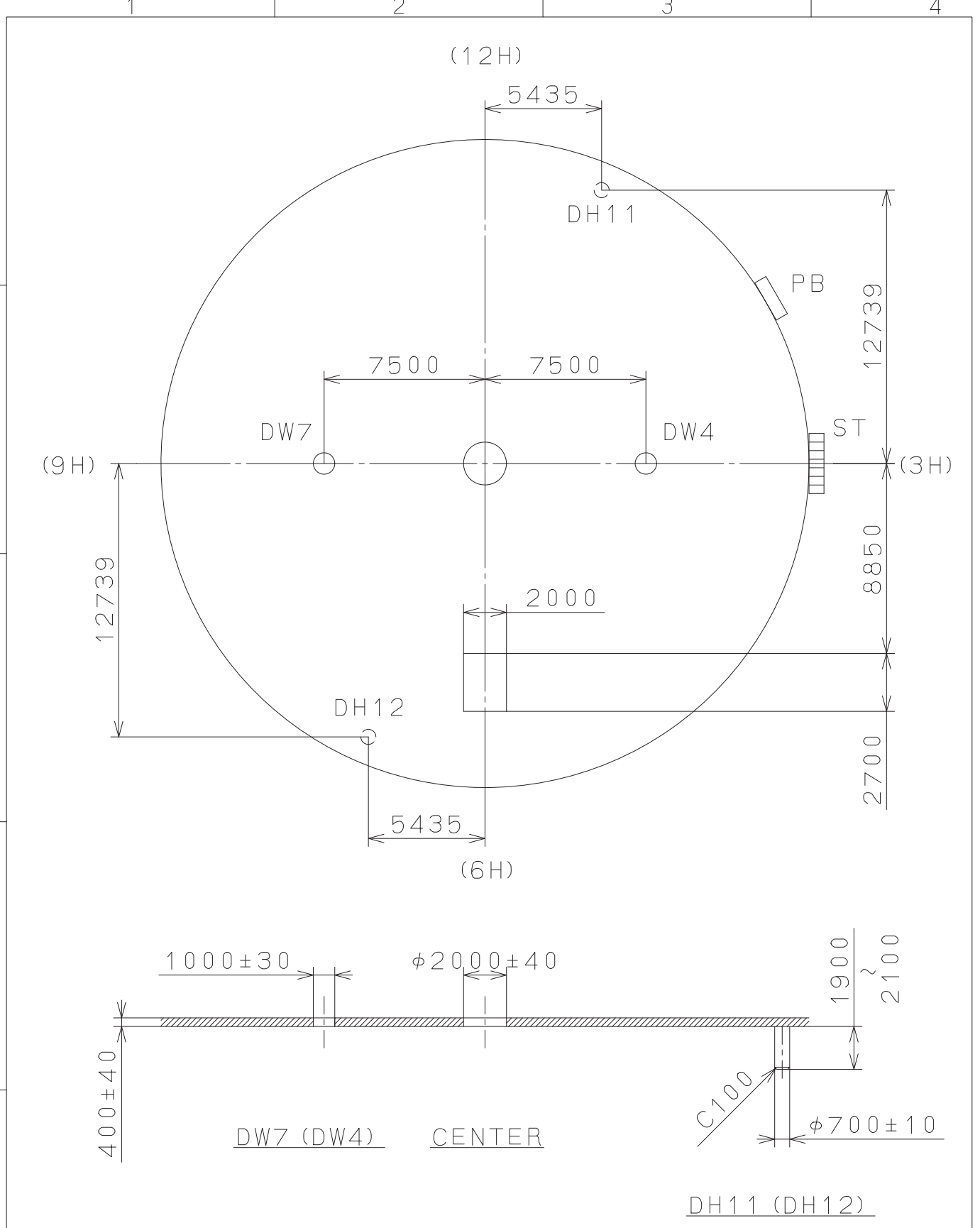


Section a1~a4



Material	Alterations	Quantity	Unit	Cal. NO.:
Material				9122
Heat Treatment		1/1000	mm	
Hardness		Scale	5 : 1	
Plating		Date		
		Drawn		
		Checked		
		Approved		
Mark Date Description Appr. Checked E. Murakami		Name: Frame for Case		
Alterations		Drawing No.: 9122C001		
General Tolerances		Miyota		
Dimensions		CITIZEN WATCH CO., LTD. TOKYO, JAPAN		
Angles				

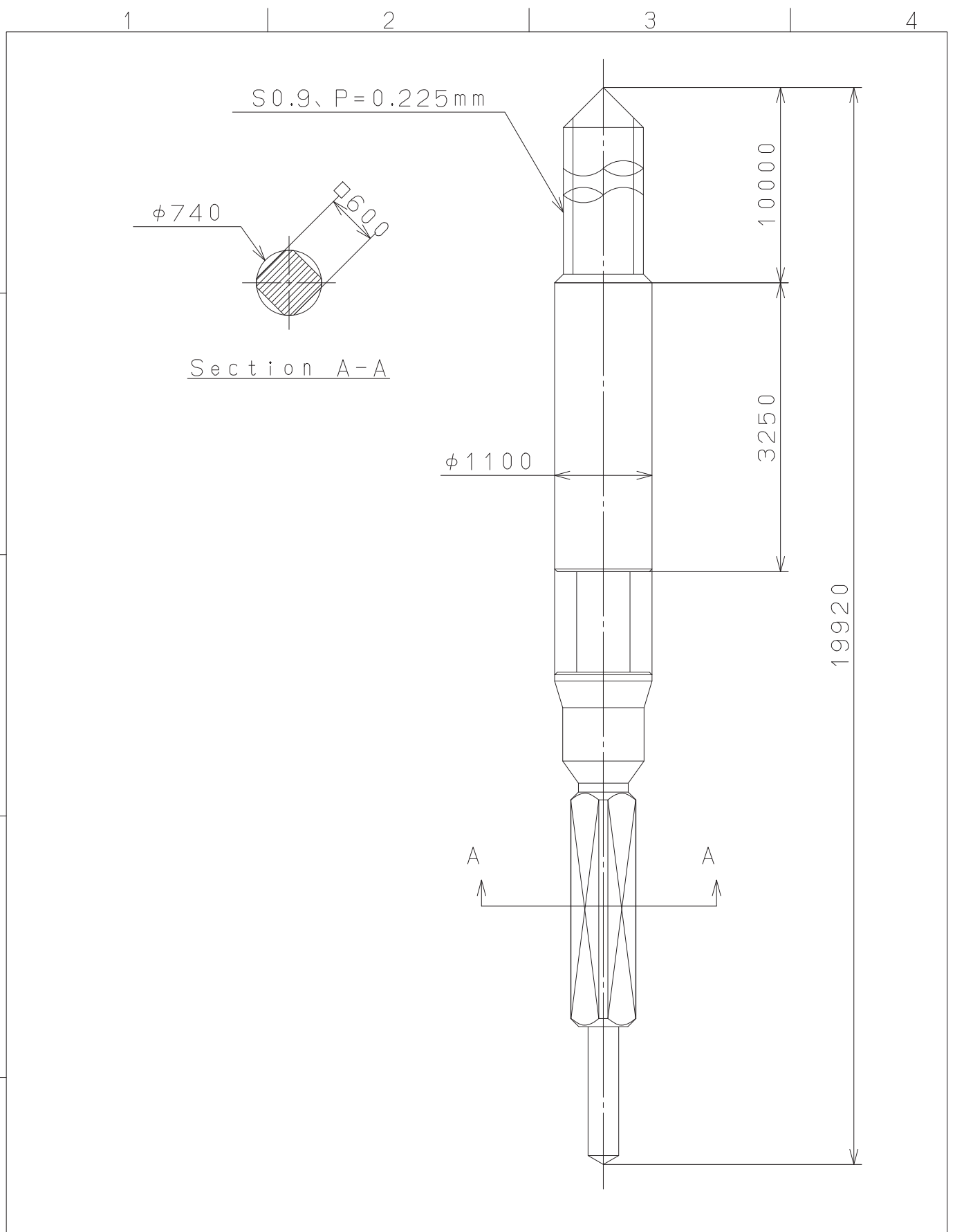
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△5			Quantity		Cal.NO.:
△4			Unit	1 / 1000 mm	9122-20A
△3			Scale	4 : 1	Parts No.:
△2			Date		
△1			Drawn		
Mark	Date	Description	Appr.	Checked	E. Murakami
Alterations			Approved	Name:	
Material					Indications for Dial
Heat Treatment					Drawing No.: 9122D000
Hardness					MIYOTA
Plating					

2009/03/19 (15:03:29)

This drawing is provisional and subject to our reconfirmation and/or revision without notice.



△5			Quantity		Cal.NO.:
△4			Unit	1/1000mm	
△3			Scale	17:1	Parts No.:
△2			Date		065-A05
△1			Drawn		
Mark	Date	Description	Appr.	Checked	Name:
		Alterations		Approved	SETTING STEM
Material					Drawing No.: A050S000
Heat Treatment			General	Tolerances	MIYOTA
Hardness			Dimensions		
Plating			Angles		
					CITIZEN WATCH CO., LTD. TOKYO, JAPAN

Size
<ligne> **13 1/2''**

Height
<mm> **5.52**

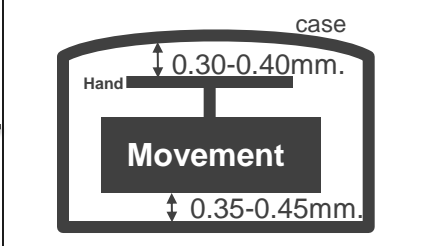
Accuracy
<per Day> **-10~+30 sec**

Posture Difference
(under) **40 sec**

Running time
40 hours

Vibration Frequency
<per Hour> (vibration) **28800**

Clearance
Clearance changes subject to the glass, case structure, and the length of the hand.

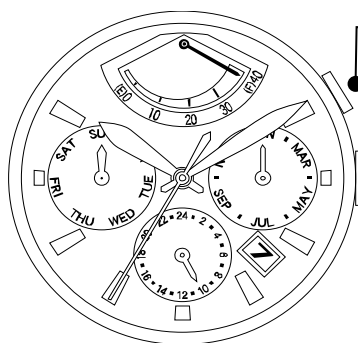
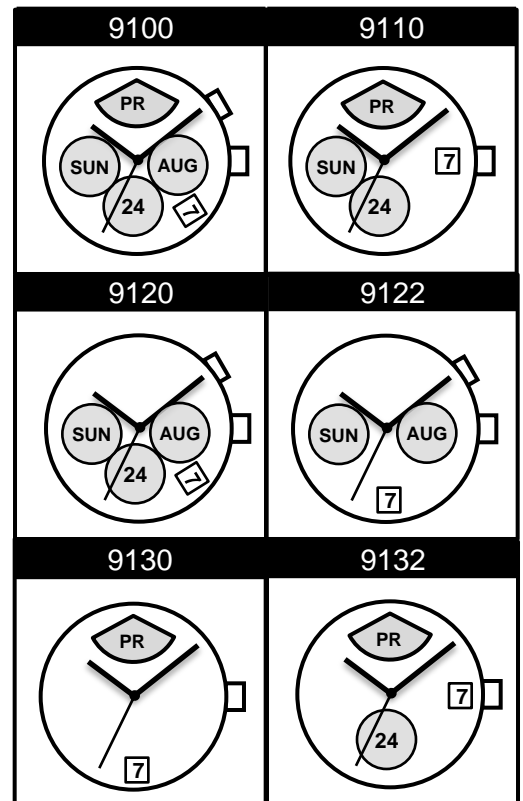
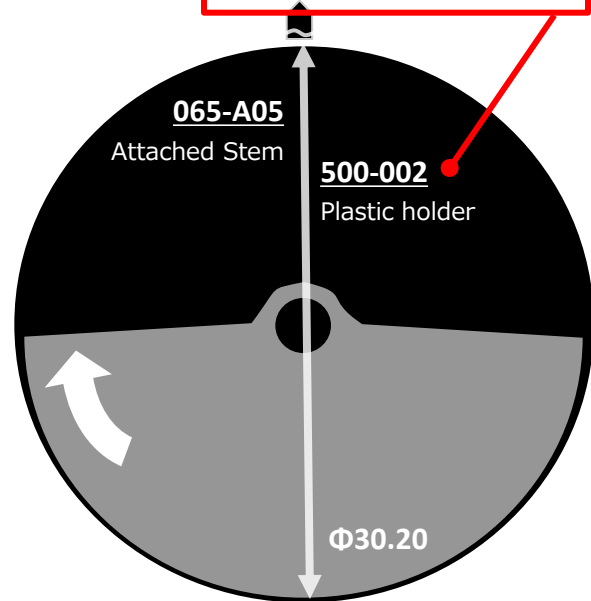


Jewels
26 pcs

Lift Angle
51 degree

Original Package
100 pcs

Exchangeable with the following option parts
- Casing clamps (082-060)
- Screws (924-752)



Setting the Month
DO NOT set Month between 10:30pm (31st) - 0:00am(1st)

Setting the Time

Setting the Date and Day
DO NOT set Date between 8:30pm - 2:00am
DO NOT set Day between 11:30pm - 4:00am

Time measurement & Winding


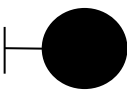


Mechanical

Accuracy

Measure within lapse of 10 ~ 60 minutes from full winding with ① posture.

Posture difference

Measure accuracy in below ① ~ ④ postures.

① Dial side up	①	②	③	④
② 6 o'clock side up				
③ 9 o'clock side up				
④ 3 o'clock side up				

■ **To make full-winded**

90 / 91	Turn the crown 40 times
82 / 8N	Turn the crown 40 times
6T	Turn the crown 20 times

■ **Winding direction**

