



Cal. VX9RE

ϕ 29.5 mm
H 3.99 mm

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Date: 25/Jun./'13

S.EPSON Products

MOVEMENT SPECIFICATIONS

CAL. VX9RE

Analog Quartz 12 3/4" Movement / 3 hands (H/M/S) and 2 eyes
with Date / 24 Hour indicators

1. MOVEMENT DIMENSIONS

Outside diameter	$\phi 29.50\text{mm} \times 26.00\text{mm}(3\text{-}9\text{H}) \times 29.36\text{mm}(12\text{-}6\text{H})$
Casing diameter	$\phi 28.60\text{mm} \times 25.60\text{mm}(3\text{-}9\text{H}) \times 28.60\text{mm}(12\text{-}6\text{H})$
Total height	3.99mm (including battery)

2. TIME STANDARD

Type of quartz oscillator	Tuning fork
Frequency of quartz oscillator	32,768 Hz
Accuracy	± 20 seconds per month (on wrist)
Operating temperature range	-5°C to $+50^{\circ}\text{C}$
Regulation device	Nil (Pre-adjusted)

3. INDICATOR / FUNCTIONS

3 Hands	Hour / Minute / Second
2 Small hands	Date(6H) / 24 Hour(9H)
Reset switch	
Setting mechanism	Crown at normal position : Free
	Crown pulled out 1st click : Time setting / Reset
	4H button : Date change

4. FEATURES

Jewels	0 Jewels
Anti-magnetism	Over 1600A/m (Direct current magnetic field)
Maximum unbalance of hands	Second hand : $0.1 \mu\text{N}\cdot\text{m}$
	Minute hand : $0.9 \mu\text{N}\cdot\text{m}$
	Hour hand : $0.9 \mu\text{N}\cdot\text{m}$

5. BATTERY

Type / Size	Silver oxide battery / $\phi 9.5\text{mm} \times t 2.7\text{mm}$
Recommended battery	SR927SW (Maxell, Panasonic, Sony, Seizaiken)
Nominal voltage	1.55 V
Battery life	Approx. 3 years
Driving current consumption	Approx. $2.1 \mu\text{A}$
Operation stopping voltage	1.1 V

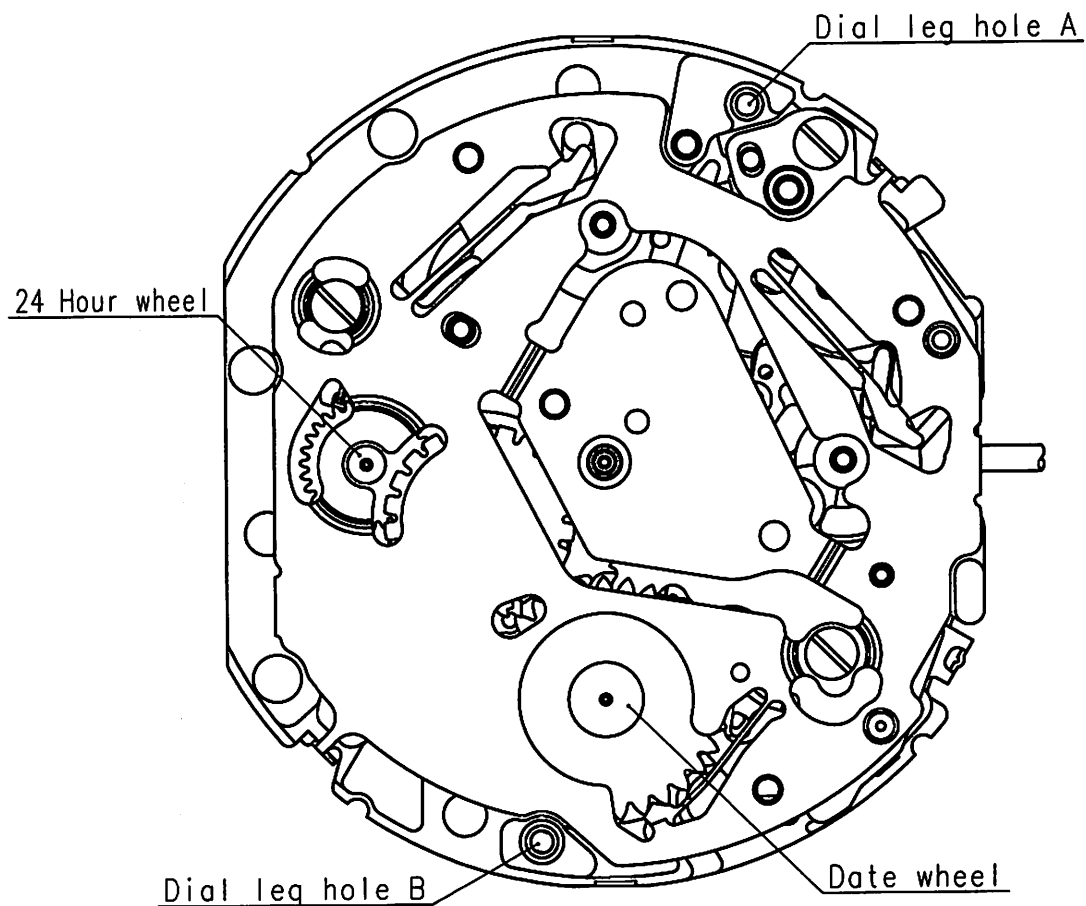
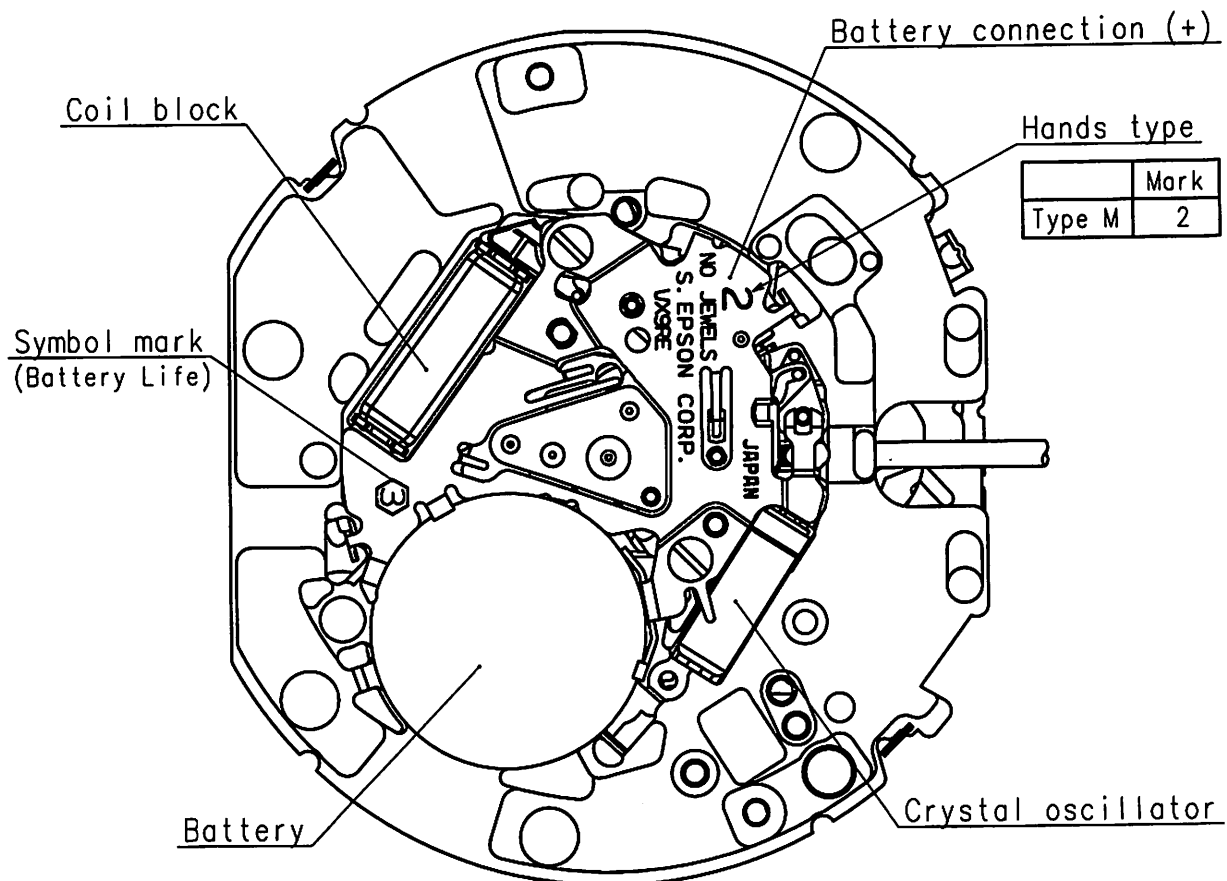
6. SEPARATED PARTS (Parts code)

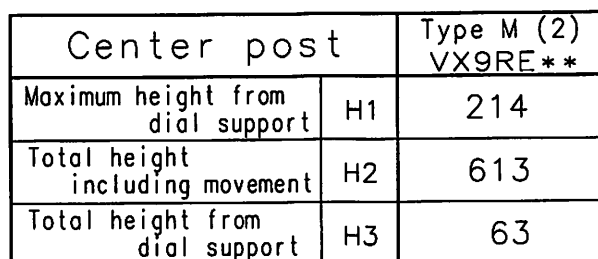
Hand setting stem	0351578
Battery	SR927SW

7. TEST OF ACCURACY

Equipment to be used	SEIKO quartz tester QT-99, Greiner quartz timer-C , Witschi Q-tester 4000
Duration of measurement	10 seconds
Microphone to be used	Electromagnetic detection type

All specifications are subject to change without notice.





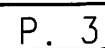
1420 (From movement center)

190

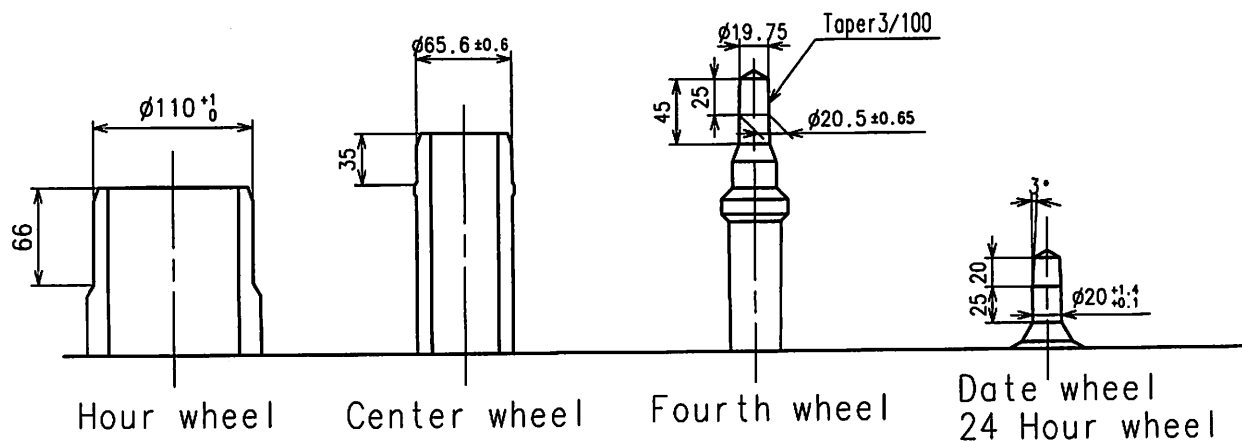
120

70min

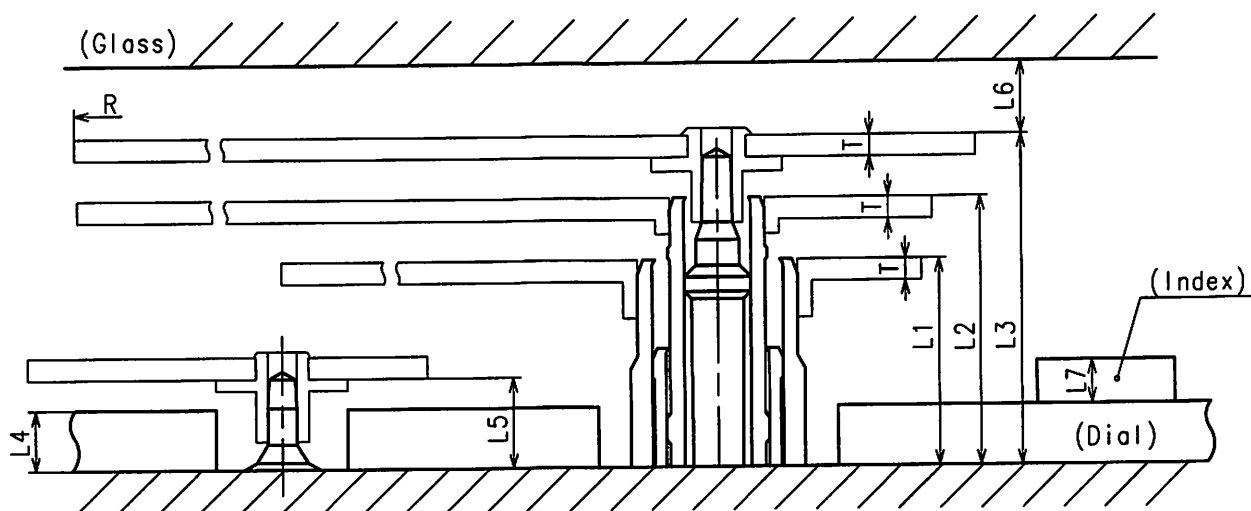
Button stroke



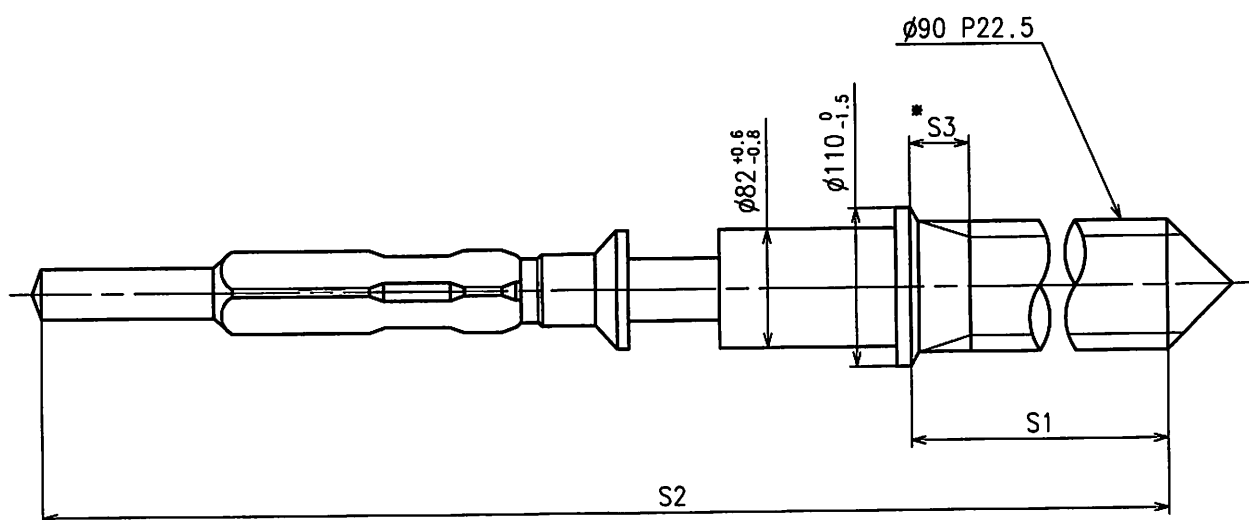
- Hour hand unbalance $\leq 0.9\mu\text{ N}\cdot\text{m}$ ($90\mu\text{ g}\cdot\text{m}$)
- Minute hand unbalance $\leq 0.9\mu\text{ N}\cdot\text{m}$ ($90\mu\text{ g}\cdot\text{m}$)
- Second hand unbalance $\leq 0.1\mu\text{ N}\cdot\text{m}$ ($10\mu\text{ g}\cdot\text{m}$)



	Parts No.				
	Hour wheel	Center wheel	Fourth wheel	Date wheel	24 Hour wheel
Type M (2) VX9RE**	0271658	0221602	0241559	0970503	1002559



	L1	L2	L3	L4	L5	L6	L7	T	R
Type M (2) VX9RE**	143	186	229	40	63	MIN: 50	MAX: 50	15	MAX: 1250

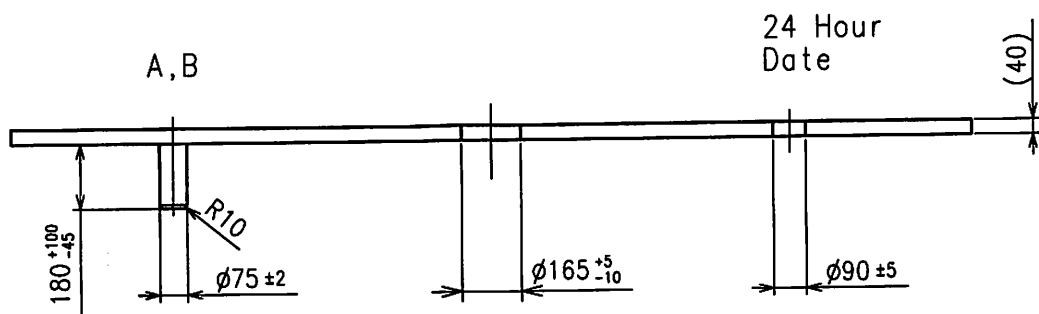
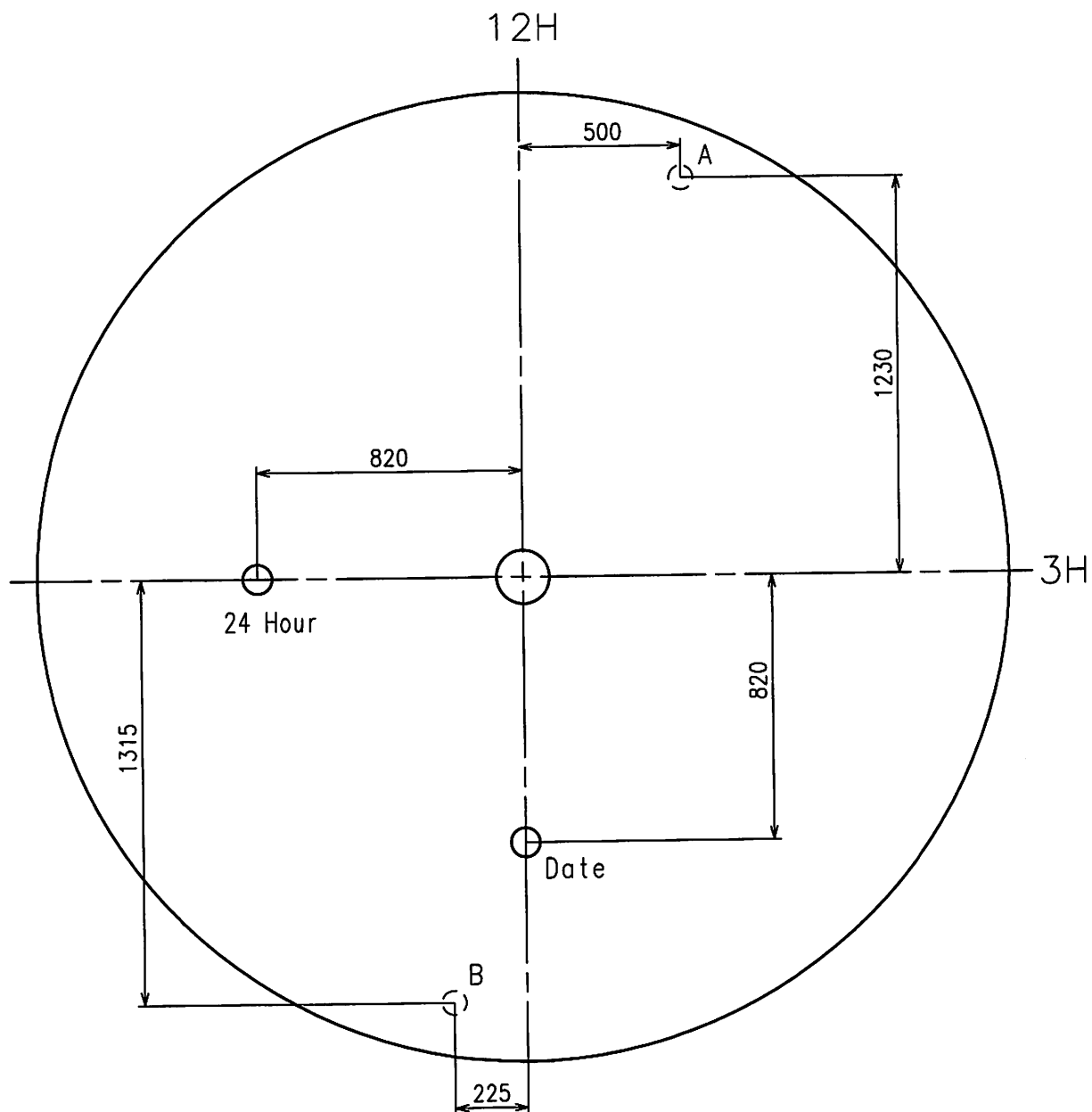


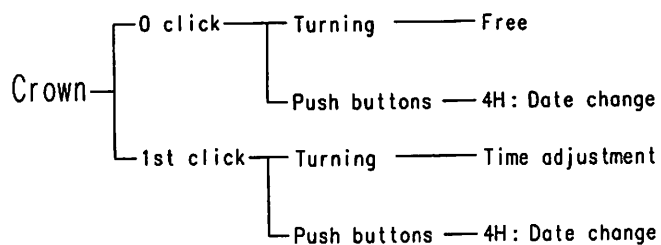
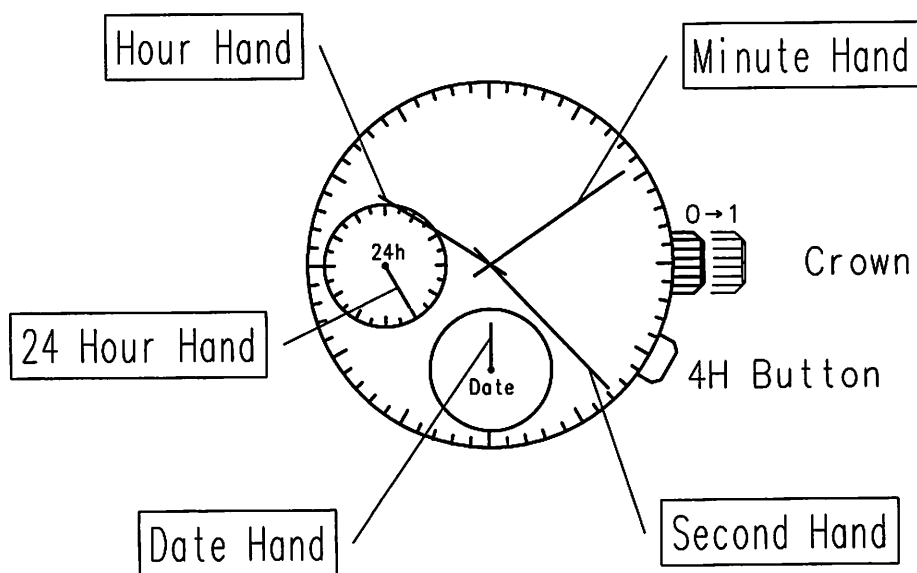
※ Not threaded

	Part No.	S1	S2	※ S3
Type-1	0351578	2507	3105	650

Material : Steel

Hardness : Vickers 600±50





* Do not set the date between 9:00 PM and 1:00 AM.
Otherwise, the date may not change properly.