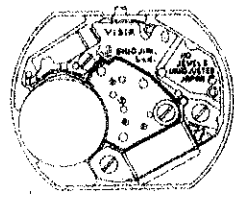
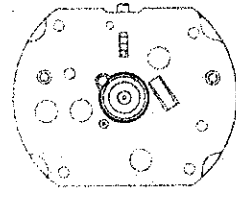


PARTS CATALOGUE/TECHNICAL GUIDE

Cal. Y130A, Y131A

[SPECIFICATIONS]

Cal. No.		Y131A	Y130A
Item			
Movement			
Movement size	Size of main plate	20.0 × 16.0 mm (3H - 9H)	
	Casing diameter	19.4 × 15.3 mm (3H - 9H)	
	Height	3.0 mm	
Time Indication		Three hands	Two hands
Additional mechanism		Second setting device	—
		Electronic reset switch	
Loss/gain		Monthly rate at normal temperature range: less than 30 seconds	
Regulation system		none	
Measuring gate		10 - second	
Battery		SEIKO SR726SW Maxell SR726SW EVEREADY 397 SONY SR726SW Voltage: 1.55V	
Battery life		Approx. 3 years	
Jewel		None	
Hand movement		1 second	2.5 seconds

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PARTS CATALOGUE

Cal. Y130A, Y131A

Disassembling procedures Figs. : ① → ②⑨

Reassembling procedures Figs. : ②⑨ → ①

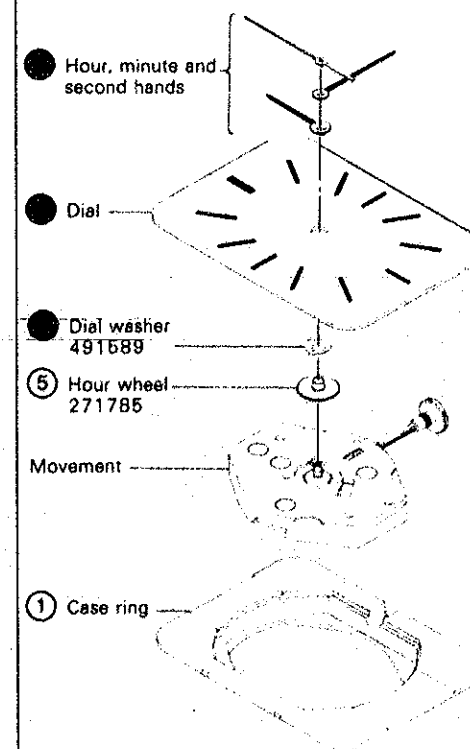
Lubricating: Types of oil

● Moebius A

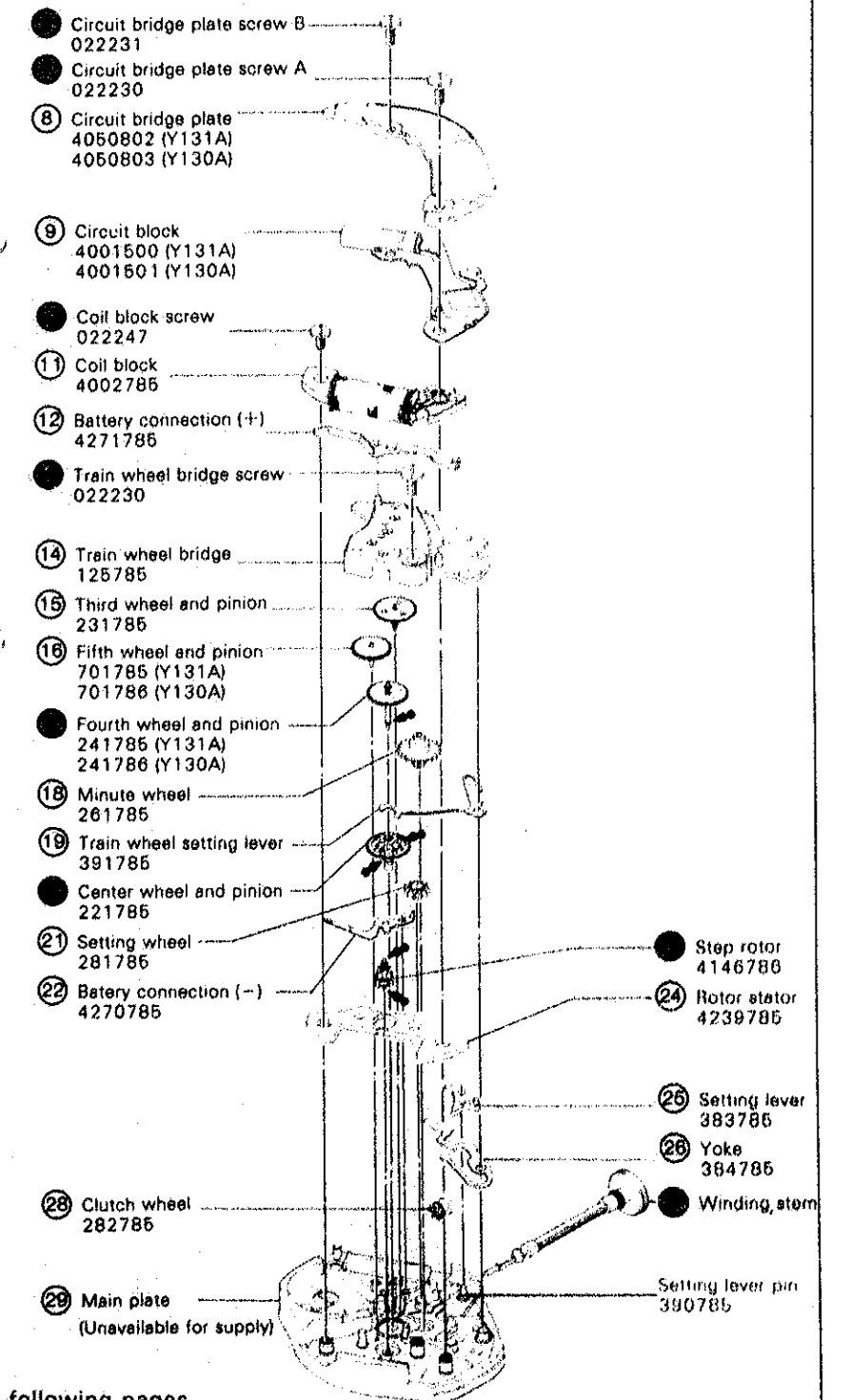
Oil quantity

○ Normal quantity

● Hands ~ Hour wheel



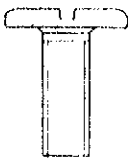
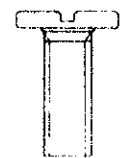
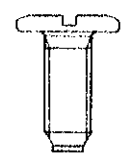
● Circuit bridge plate screw ~ Main plate



● ○ Please see the remarks on the following pages.

Remarks:

- ⑥ circuit bridge plate screw B
- ⑦ circuit bridge plate screw A
- ⑩ coil block screw
- ⑬ Train wheel bridge screw

Parts No.	Name	Shape	Screw classification	
			Screw length	Screw hand dia.
022 230	Train wheel bridge screw (1 pce.) Circuit bridge plate screw A (1 pce.)		Longer	Bigger
022 231	Circuit bridge plate screw B (1 pce.)			Smaller
022 247	Coil block screw (1 pce.)		Shorter	

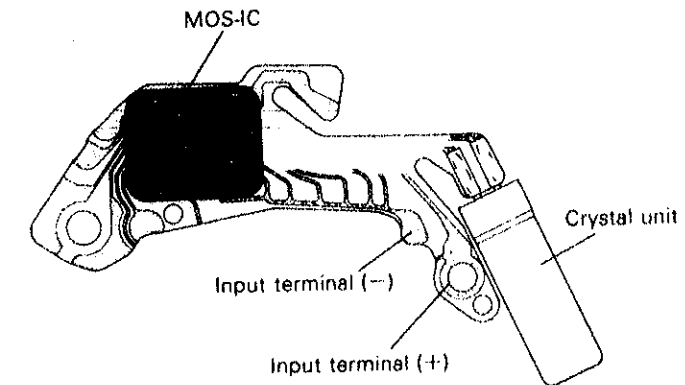
* Classify screws according to length and head diameter.

⑳ Winding stem 354786/354787

The type of winding stem is determined based on the design of cases.
Check the case number and refer to "Casing Parts Catalogue" to choose a corresponding winding stem.

- The explanation here is only for the particular points of Cal. Y130A, Y131A
- For the repairing, checking and measuring procedures, refer to the "TECHNICAL GUIDE, GENERAL INSTRUCTIONS".

I. STRUCTURE OF THE CIRCUIT BLOCK



II. REMARKS ON DISASSEMBLING AND REASSEMBLING

① Hands

● **Remarks on installing**

When installing the hands, support the train wheel bridge with a flat solid material (stainless steel, glass, etc.) and press in the hands. Never use a universal movement holder which does not support the train wheel bridge. When installing the hands, remove the battery.



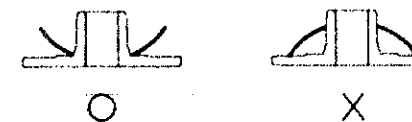
② Dial

● **How to remove and install**

- The dial is fixed with its 2 legs inserted into the dial leg holes of the main plate.
- When removing the dial, insert a screwdriver in the gaps between the main plate and dial in 2, 4 and 8 o'clock positions and carefully pry out the dial.
- When installing the dial, align the dial legs with the dial leg holes of the main plate and press the dial in.

③ Dial washer

Refer to the illustration below and take care not to fit the dial washer the wrong way round.



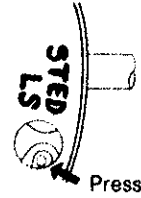
TECHNICAL GUIDE

Cal. Y130A, Y131A

27 Winding stem

● How to remove

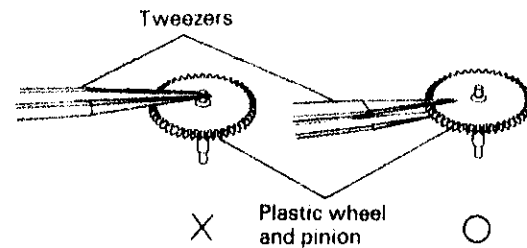
Set the winding stem to the normal position (fully inserted) and pressing the setting lever which can be seen through the hole in the circuit bridge plate with tweezers and pull out the winding stem.



Notes:

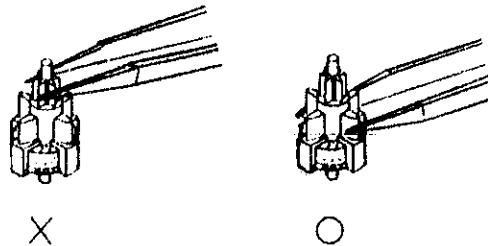
● How to handle plastic wheel and pinion

When removing/installing the plastic wheel and pinion, do not clamp the shaft with tweezers, etc. Clamp the center of the wheel as illustrated below.



23 Step rotor

If the wheel of the rotor is clamped with tweezers, the wheel might be deformed. Clamp the cam or magnetic part with tweezers.

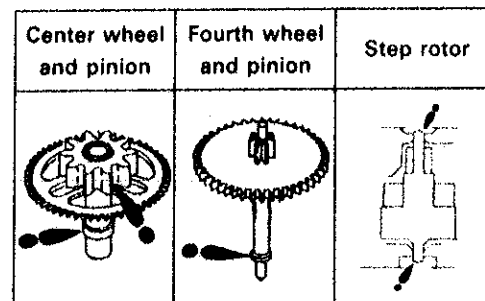


17 Fourth wheel and pinion

20 Center wheel and pinion

23 Step rotor

● Lubricating



Lubricate the above points, It is not necessary to lubricate the other points.

TECHNICAL GUIDE

Cal. Y130A, Y131A

III. VALUE CHECKING

● Coil block resistance

2.6 kΩ ~ 3.0 kΩ

● Current consumption

For the whole of the movement: less than 1.3 μA

For the circuit block only: less than 0.4 μA