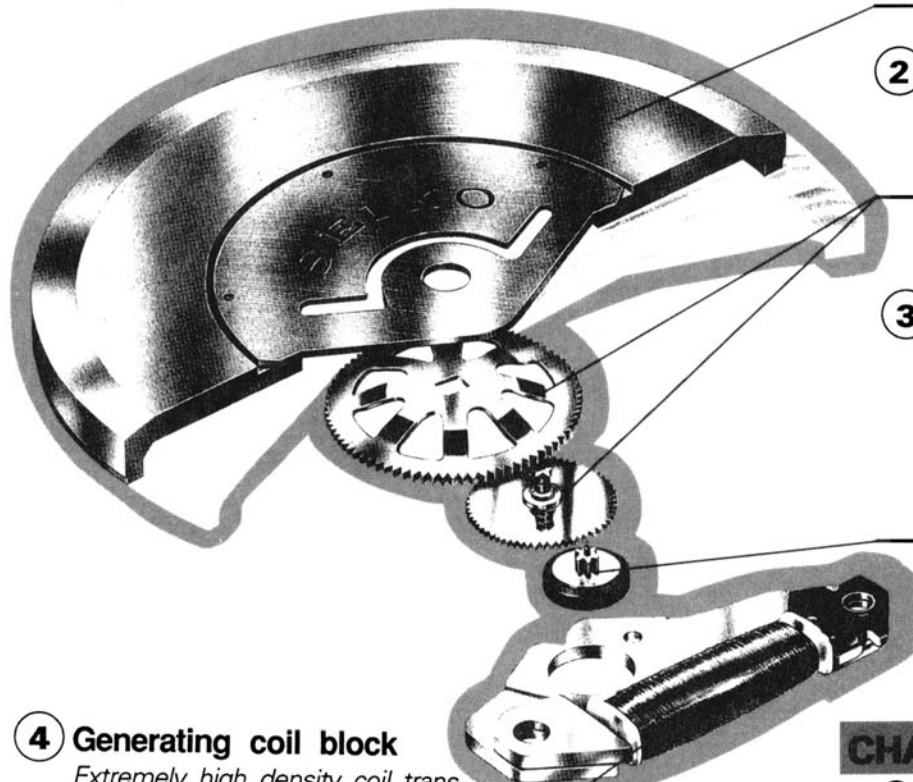


# HOW THE SEIKO KINETIC WORKS

## GENERATING UNIT

**Transforms the movement of the wearer into electricity.**



### ① Oscillating weight

*Movement of the wearer rotates the oscillating weight.*

### ② Gear train

*It amplifies the rotational movement of the oscillating weight 100-fold and transfers it to the rotor.*

### ③ Rotor

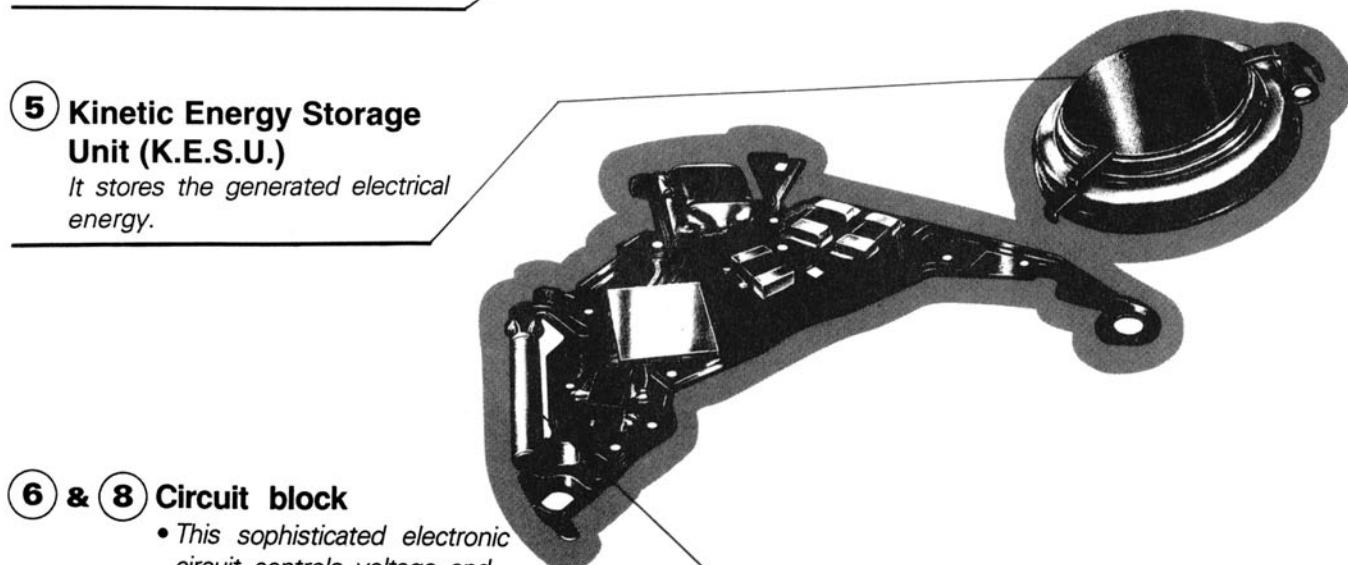
*The heart of the SEIKO KINETIC technology. It transforms every movement of the oscillating weight into a magnetic charge. It spins at a speed of 10,000 - 100,000 rpm.*

### ④ Generating coil block

*Extremely high density coil transforms the magnetic charge into the electricity to power the watch.*

## CHARGING UNIT

**Stores and supplies the generated electricity.**



### ⑤ Kinetic Energy Storage Unit (K.E.S.U.)

*It stores the generated electrical energy.*

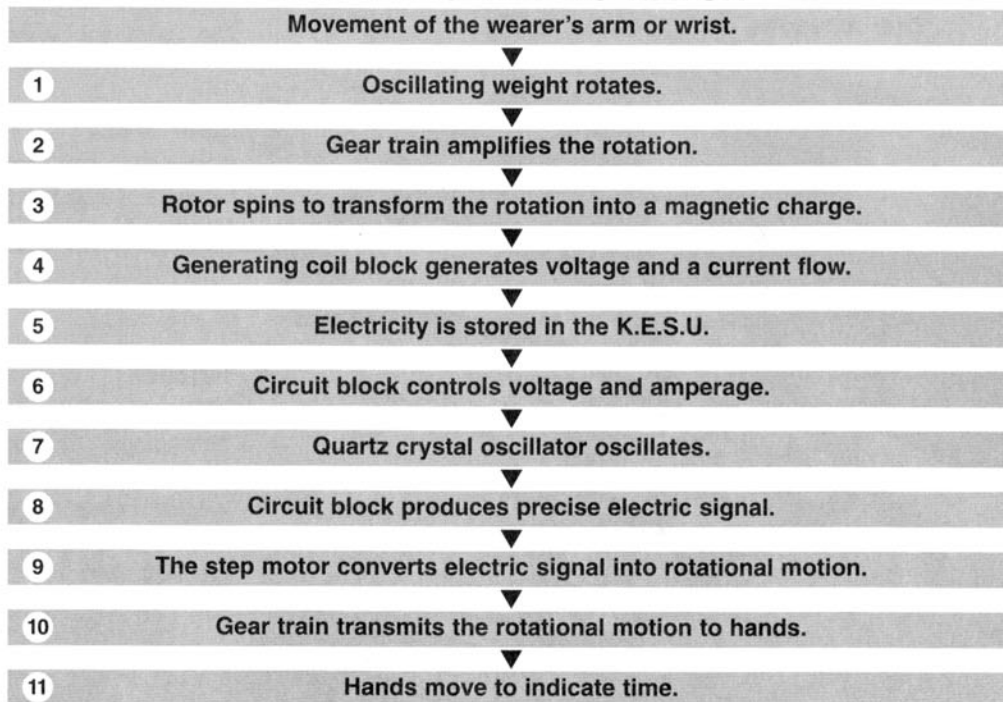
### ⑥ & ⑧ Circuit block

- This sophisticated electronic circuit controls voltage and amperage.
- By quartz oscillation, it produces precise watch signal.

### ⑦ Quartz crystal oscillator

*When electricity is passed to it, it oscillates at a highly stable rate of 32,768 times a second.*

## DRIVING MECHANISM OF THE SEIKO KINETIC WATCH



### STEP MOTOR UNIT

**Converts electric signal into  
rotational motion to move the hands.**

#### 9 Step motor

*It converts the electrical signal into  
a precise rotational motion, which  
is transmitted to the hands  
through the gear train.*

### INDICATION UNIT

**Indicates the time.**

