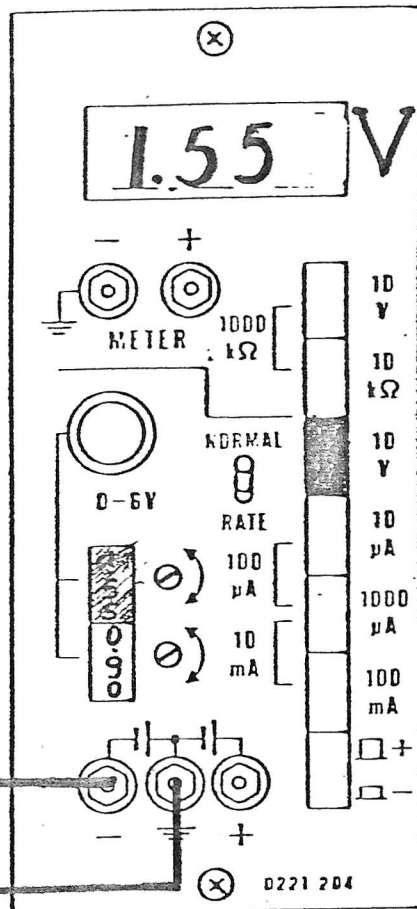
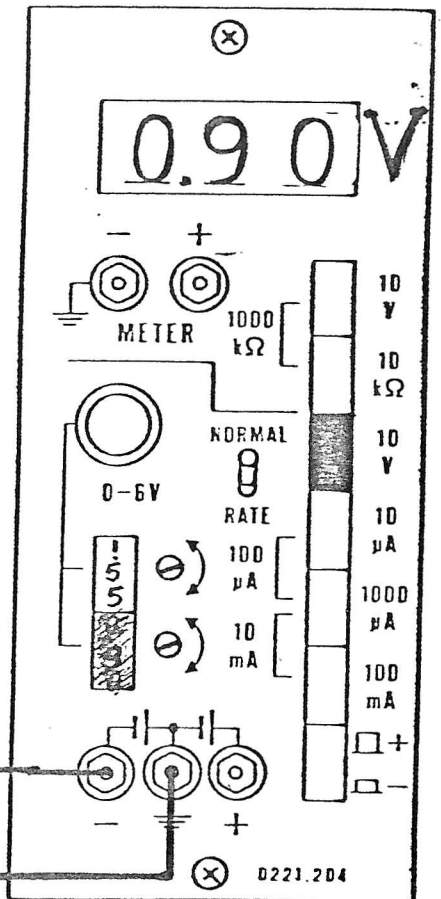




WORKING VOLTAGE TEST

NORMAL 1,55 V.
MINIMUM 0,90 V.



WORKING NORMAL VOLTAGE

DEPRESS BUTTONS:

10 V.

1,55 V.

CONNECT WIRES:

MINUS (—) UNDER THE BATTERY BRIDGE

PLUS (+) TO THE MAIN PLATE!

If movement is without battery, connect MINUS (—) to

the "battery connecting place"

LEAVE THE WIRES CONNECTED

IN THIS POSITION FOR THE

REST OF THE TESTS

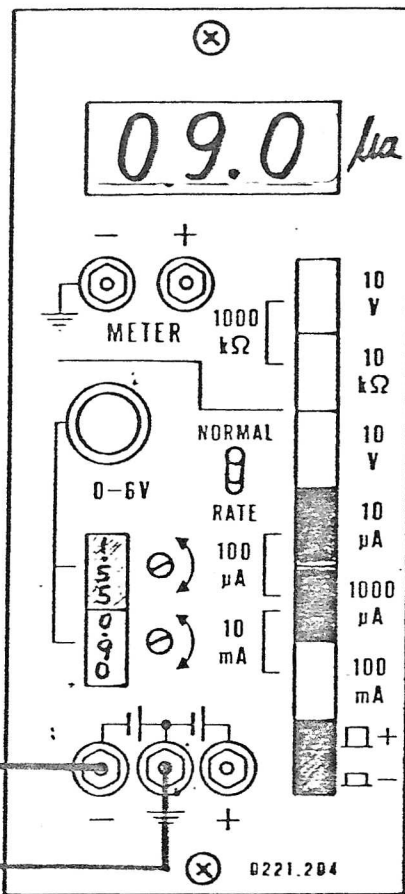
WORKING MINIMUM VOLTAGE

DEPRESS BUTTONS:

10 V.

0,90

WATCH SHOULD STILL WORK



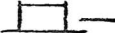
MAXIMUM CONSUMPTION OF THE WATCH

DEPRESS BUTTONS:

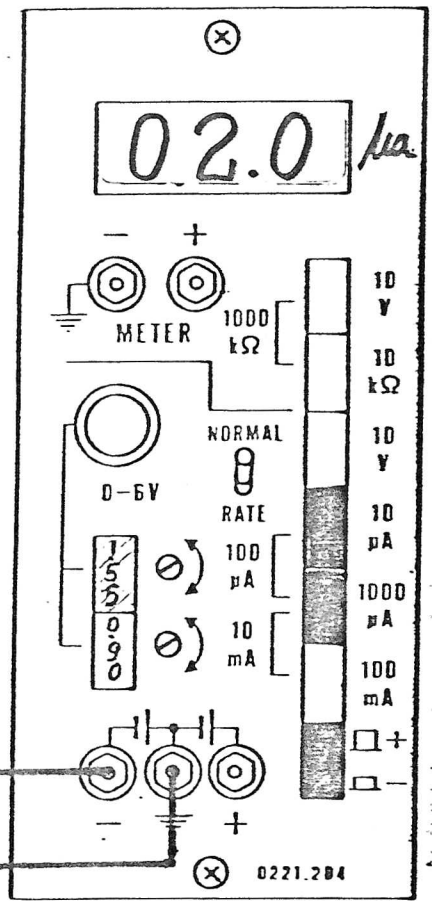
1,55

10 μ A

1000 μ A

BUTTON OF BATTERY 

CONSUMPTION SHOULD NOT BE MORE THAN 9 μ A



CONSUMPTION OF THE WATCH ON STOP POSITION

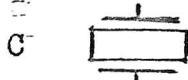
DEPRESS BUTTONS:

SAME AS THE MAXIMUM CONSUMPTION

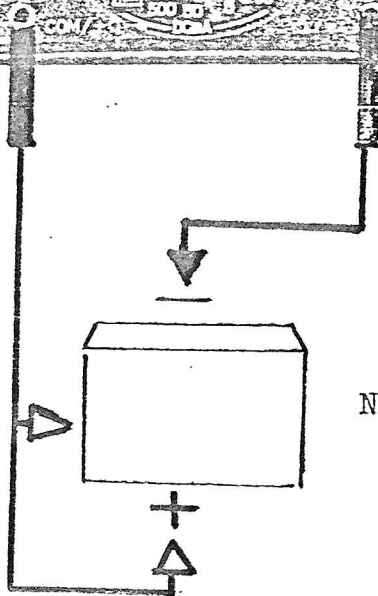
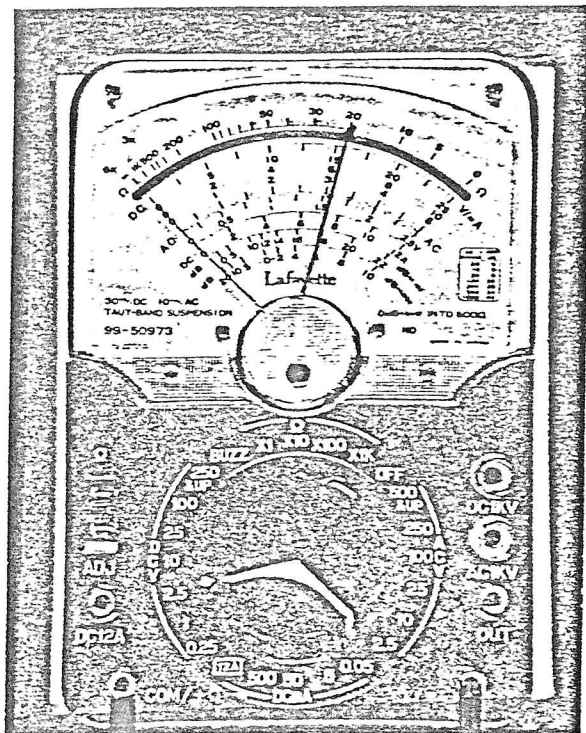
CONSUMPTION SHOULD NOT BE MORE THAN 2 μ A

TO REGULATE OR ADJUST THE FREQUENCY OF THE QUARTZ DISREGARD ALL THE BUTTONS OF THE PREVIOUS TEST

PRESS BUTTONS:



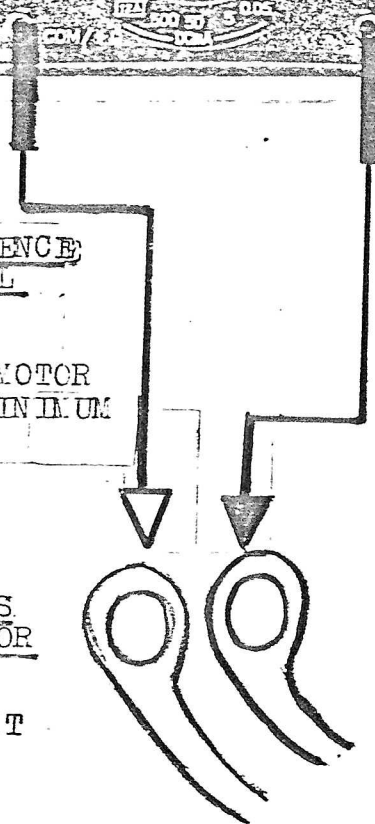
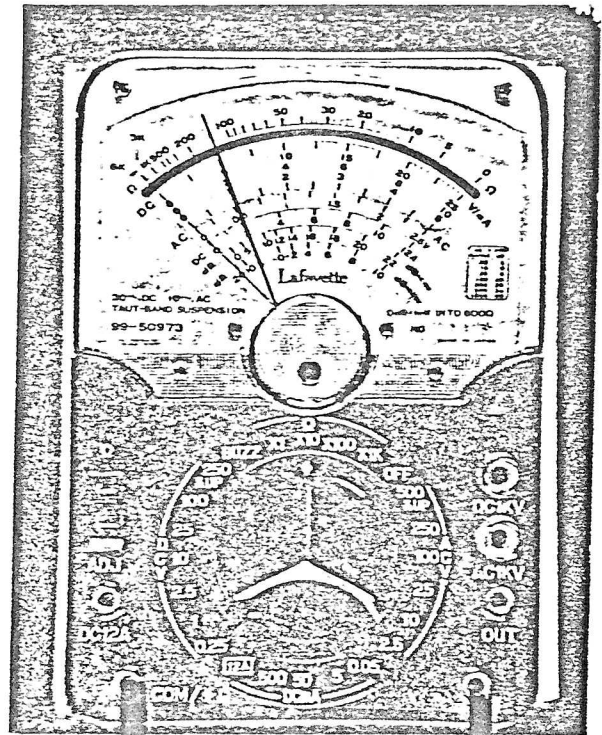
ON MICROPHONE BUTTONS: ANALOG AND 32 KHz



TO TEST THE POTENCY OF THE BATTERY

PLACE WIRE — ON THE GILT SIDE OF THE BATTERY AND THE + TO THE SIDE OF THE BATTERY SHOULD BE 1.55 V. SET VOLTMETER ON DCV 2.5

WHEN TESTING BATTERY DO NOT HOLD LEADS ON BATTERY MORE THAN 2 SEC

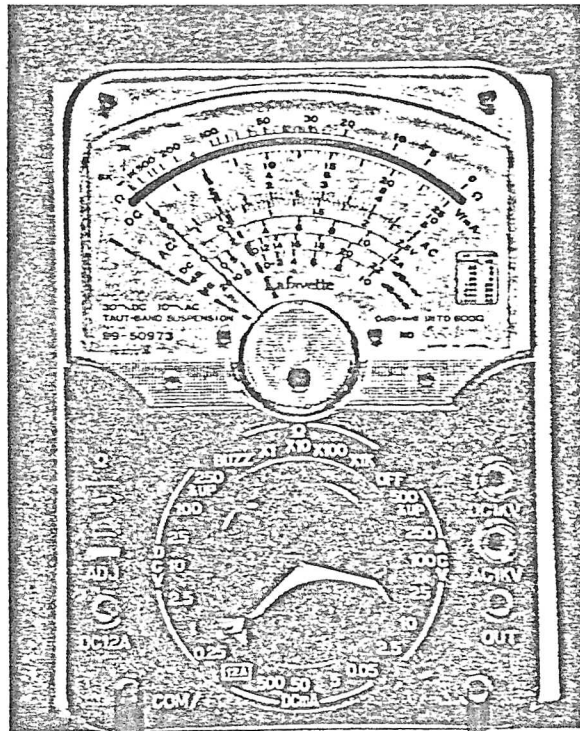


TO TEST THE RESISTENCE OF THE MOTOR'S COIL

PLACE WIRES TO THE CONNECTORS OF THE MOTOR NEEDLE SHOULD SHOW MINIMUM 1220 SET VOLTMETER ON X 10

CONNECTORS OF THE MOTOR

REMEMBER THAT THIS RESDING IS FROM RIGHT TO LEFT



TO TEST THE PULSES OF
THE QUARTZ

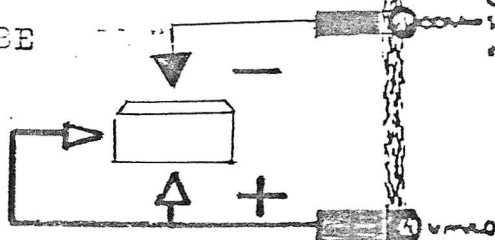
PLACE WIRES TO CONNECTOR
SCREWS (YELLOW & BROWN)
NEEDLE OF VOLTMETER HAS TO
JUMP BACK AND FORTH

SET VOLTMETER ON DCV 0.25

THIS TEST HAS TO BE MADE
WITH THE BATTERY IN THE
MOVEMENT

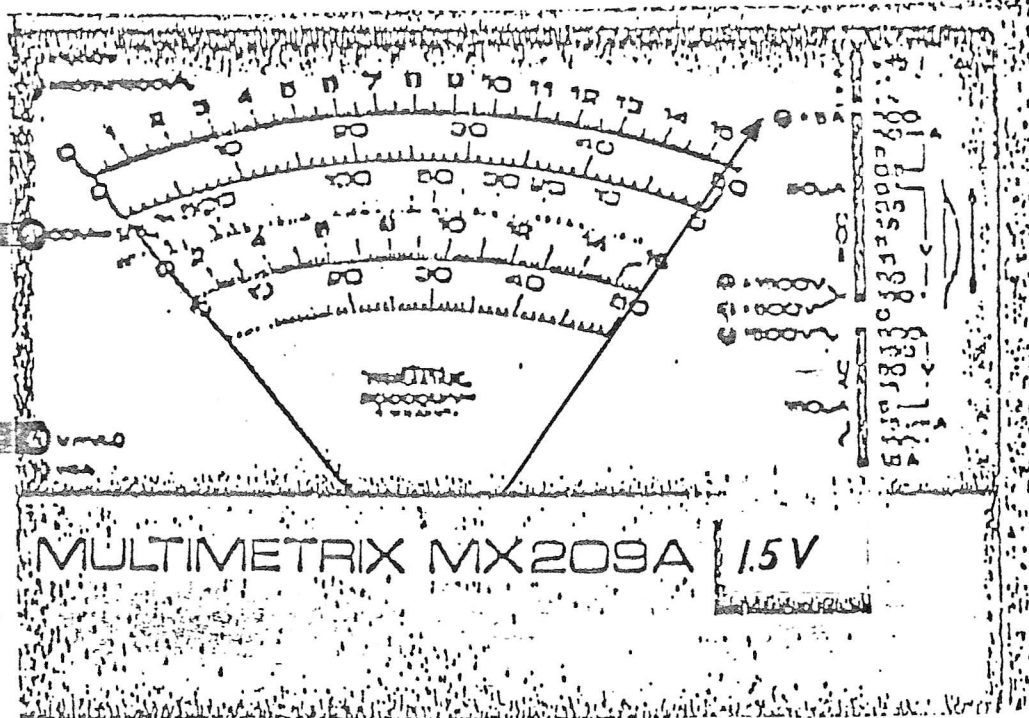
CONNECTOR SCREWS
(YELLOW & BROWN)

TO TEST THE POTENCY OF
THE BATTERY
PLACE WIRE ON THE GILT
SIDE OF THE BATTERY AND
THE + TO THE SIDE OF THE
BATTERY
SHOULD BE
1,55 V.



SET MULTIMETRIX ON
1,5 V.

WHEN TESTING BATTERY DO NOT
HOLD LEADS ON BATTERY MORE
THAN 2 SECONDS



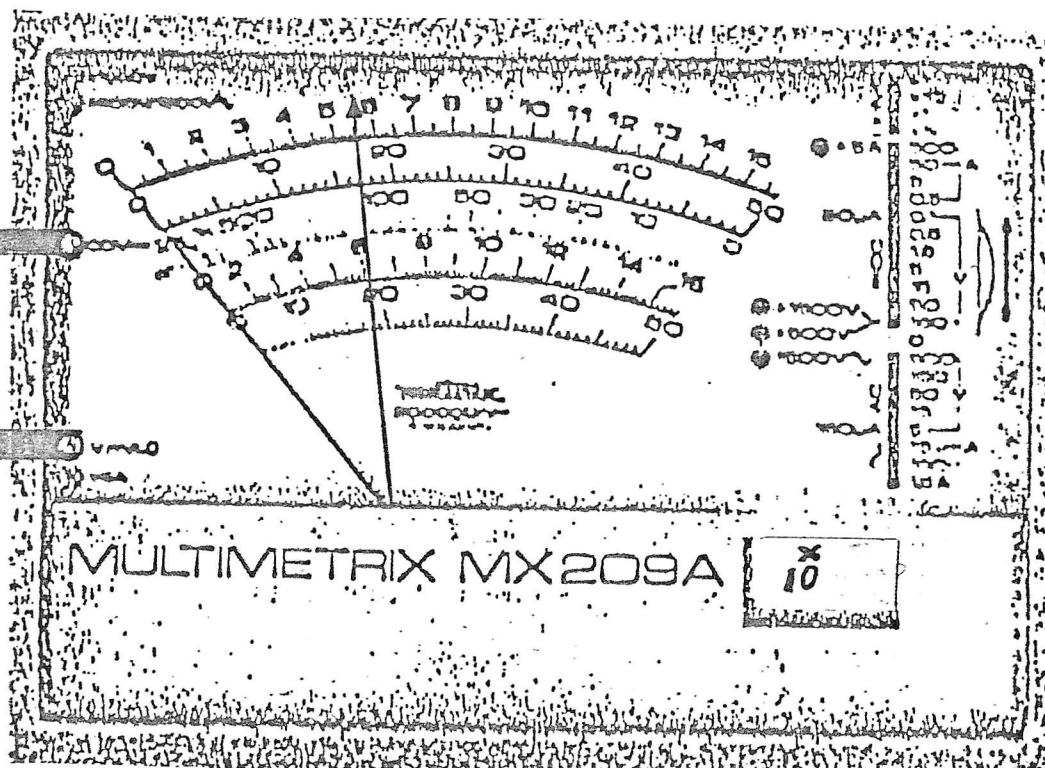
TO TEST THE RESISTENCE OF
MOTOR'S COIL

PLACE WIRES TO THE
CONNECTORS OF THE MOTOR -
NEEDLE SHOULD SHOW MINI
MUM 1220

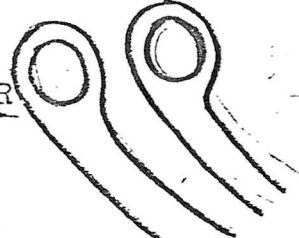
SET MULTIMETRIX ON
X 10

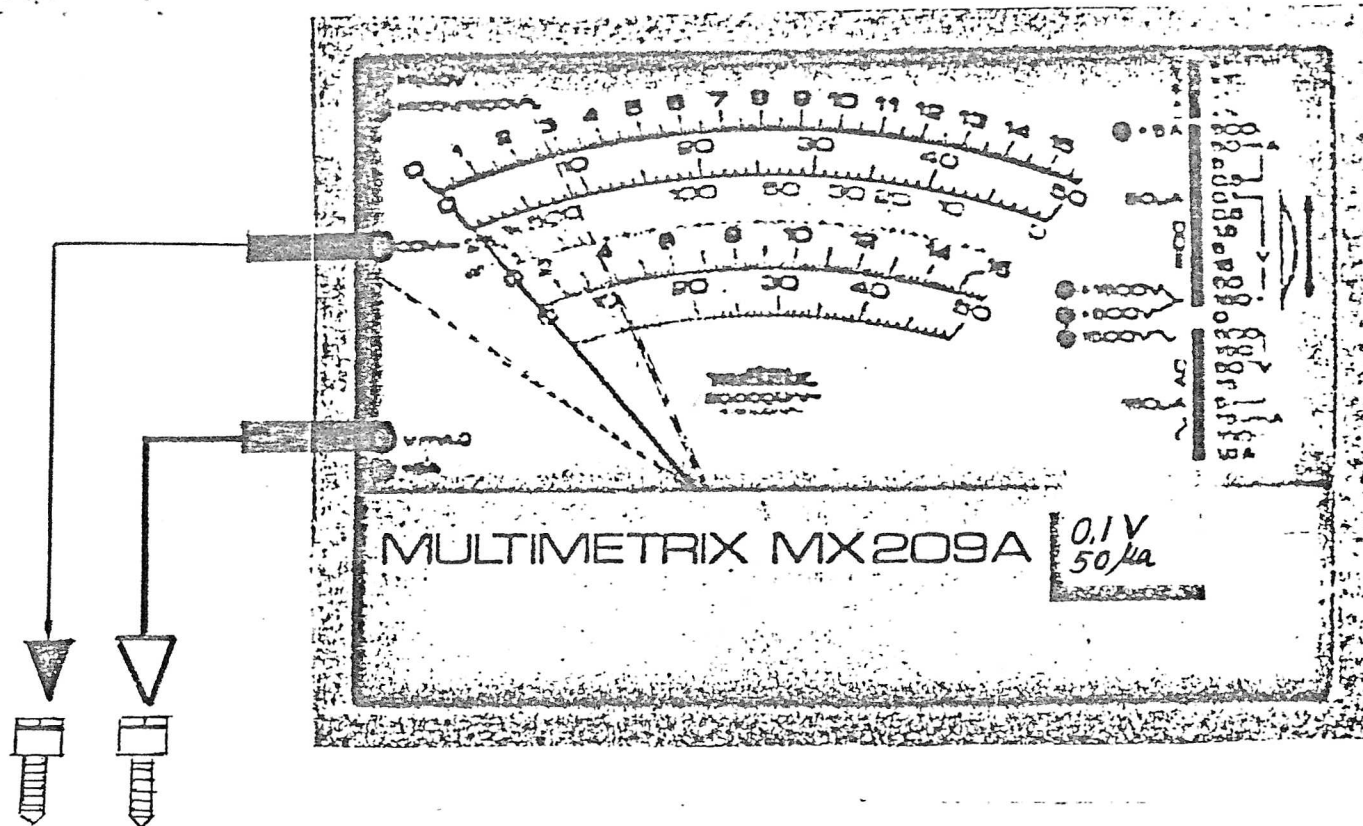
HIS TEST HAS TO BE
MADE WITH THE
MOTOR OUT OF
MOVEMENT

MEMBER THAT
HIS READING
IS FROM RIGHT
TO LEFT



CONNECTORS
OF THE MOTOR





CONNECTOR SCREWS
(YELLOW & BROWN)

TO TEST THE IMPULSES OF QUARTZ
PLACE WIRES TO CONNECTOR SCREWS
(YELLOW & BROWN)
NEEDLE OF MULTIMETRIX HAS TO JUMP
BACK AND FORTH

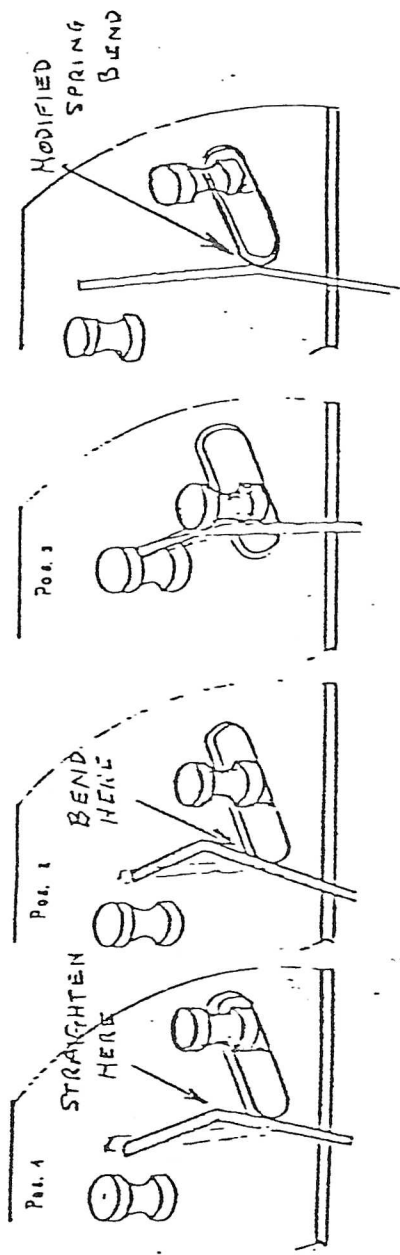
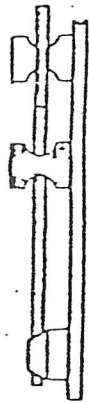
THIS TEST HAS TO BE MADE WITH
THE BATTERY IN THE MOVEMENT

CAUTIONS

-) Before opening the watch, clean the case to prevent the dirt or metal particules from falling into the watch and motor.
-) Use non magnetic tweezers for the movement and plastic tweezers for the battery.
-) Remove hands in straight position. Do not move S.S. hand side ways because you could damage the tension of the pallet's springs or the teeth of the second wheel.
-) Never touch the battery or the electronic parts with your fingers.
-) Never wash in the cleaning machine the battery or the electronic parts. Electronic parts never have to be cleaned with liquids. You can clean the battery with a piece of dry and clean cloth.
-) To start the disassembling or assembling of the watch set the stem and crown on first position, to prevent damage of the stop switch spring.
-) Never clean the pallet by hand, (RINSE IT IN SOVASOL OR BENZINE ONLY) because you could damage the tension of the pallet's springs or bend the springs.
-) Remove screws one by one to prevent attraction to the magnetic field of the motor.
-) After removing the motor put it away in a safe place from metal particles. Better if kept in a plastic or aluminium box.
-) The battery has to be tested no longer than 2 seconds, because if longer you could start to drain the power from the battery.
-) Do not screw up very tight the 2 yellow brown connectors screws, because of the material of the motor's isolator.
-) Do not press hard or hit on the trimmer with the screw driver, when adjusting the rate of the watch.

Dessin no 4

FLAT AND ALIGNED
WITH NOTCHES



LUBRICATION CALIBRES 5035/5055

MOTOR	Mobile frame (Coil)			Dry
TRAIN	Centre wheel	Lower pivot	{	PML 163
		Upper pivot		PML 163
	Third wheel	Lower pivot	{	PML 163
		Upper pivot		PML 163
	Second wheel	Lower pivot	{	SAL 9010
		Upper pivot		SAL 9010
		Pivoting point in the centre wheel	}	Dry
		Teeth (every tooth)		Grease Moebius 9415
	Pallet	Lower pivot	{	SAL 9010
		Upper pivot		SAL 9010
MECHANISM	Handsetting stem	{	}	PML Grease
	Handsetting pinion			
	Sliding pinion			
	Trigger			
	Yoke			
	Intermediate wheel stud			
	Minute wheel stud			
	Cannon-pinion			

