

BULOVA WATCH COMPANY, Inc.

TECHNICAL BULLETIN

TO BE USED IN CONJUNCTION WITH THE BULOVA GENERAL SERVICE MANUAL



BULOVA® ACCUTRON® QUARTZ

SMQ® Series 262/263

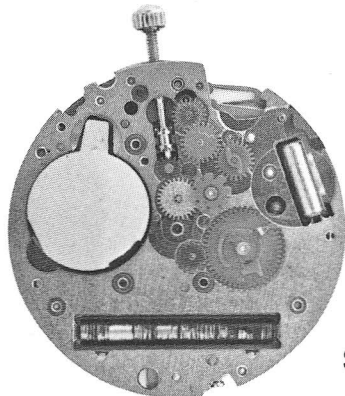


FIG. 1.

DIAL
SIDE
(DATE BRIDGE,
SHIELD REMOVED)

TRAIN
BRIDGE
SIDE



CALIBER
NUMBER

ALL INFORMATION CONTAINED IN THIS BULLETIN ALSO REFERS TO CALIBER 263 UNLESS OTHERWISE NOTED.

CHARACTERISTICS

QUARTZ FREQUENCY - 32, 768 Hz (Cycles per second)

ELECTRONIC CIRCUIT - One signal per second

SERIES	POWER CELL NO. (One Silver Oxide 1.55 Volts)
262	605
263	317
263	603 (Diver's Watch)

LIGNE SIZE - Series 262 / 11½, Series 263 / 12¼

DISCONNECT SYSTEM - Preserves battery life

ACCUSET FEATURE - On some models

SERVICING HINTS

- A CLEAN and PROPERLY LUBRICATED movement is imperative for proper performance. Do not use rinse/lube solutions.
- Check for hand clearance, particularly sweep hand rubbing against the underside of the crystal.
- Do not use dial washers to reduce hour wheel endshake. The minute hand hub will control the hour wheel endshake.
- To eliminate the occasional instances when the power cell pops out of the cell well, carefully reduce the tension of the lower contact spring.
- Some Accuset movements were inserted into cases that were not made for this feature. The Accuset may inadvertently activate during servicing. It will be necessary to wait approximately 30 seconds during the meter tests before determining if the movement is functioning properly.
- Check that the metal day trip finger on the calendar driving wheel (Part #33.028) is horizontal and does not come in contact with the date maintaining plate or the date indicator disc.



- If stem pulls out too easily, increase the pressure of Set Bridge Jumper (Part #51.090) against the Set Lever.
- Lubricate the single tooth day corrector cam between cam and stud with Dow Corning #111. Do not lubricate the multiple tooth day corrector cam.
- Set Lever Stem Release (Part #51.081) is identified by a copper color.



METER READINGS

PULSE CHECK

See Step 3 of the Basic Test Procedure in the General Service Manual. It will be necessary to remove the magnetic shield first and then CAREFULLY place the probes on the coil terminals as illustrated. (See reverse side, Fig. 2.)

LOW AMPLITUDE CHECK

See Step 4 of the Basic Test Procedure in the General Service Manual. With selector at LOW AMPLITUDE and day/date in the process of changing, rotor must index. (See reverse side, Fig. 3.) If movement does not index, check for mechanical bind, blockage, or excess lubrication. If meter pegs, unscrew P.C. Board/Coil Screw 2 turns, wait 5 seconds and tighten screw.

MICROAMPERES CHECK (Current Drain)

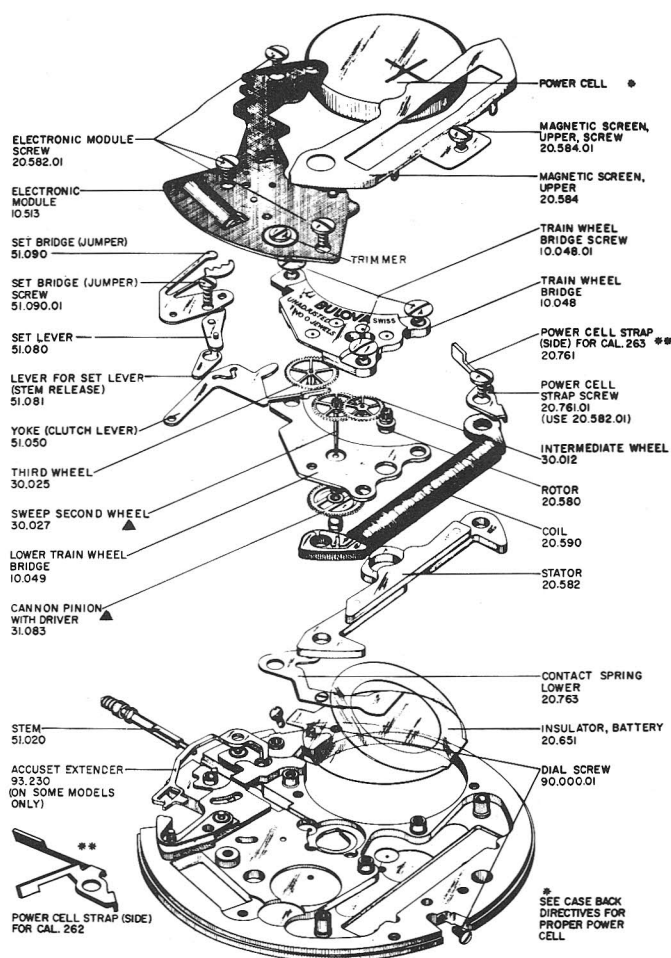
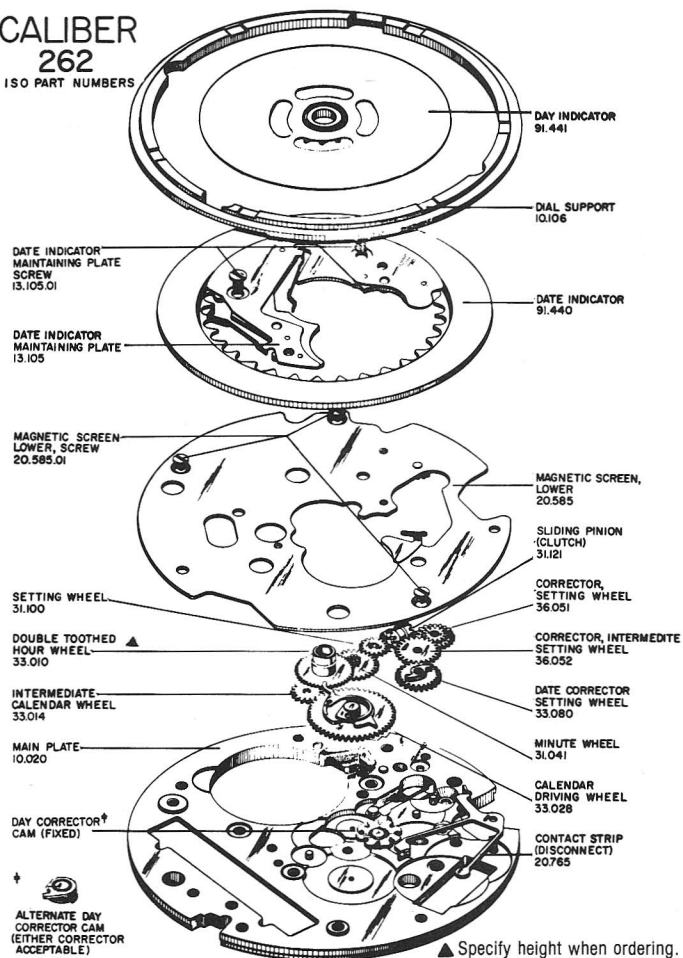
Turn selector to READ MICROAMPERES. Meter pointer reading should be 2.2 maximum microamperes or less. (See reverse side, Fig. 3.) If meter pegs, unscrew P.C. Board/Coil Screw 2 turns, wait 5 seconds and tighten screw.

IMPORTANT

The Cannon Pinion/Drive Wheel (Part #31.083) MUST BE REMOVED FROM THE TRAIN SIDE to prevent damage to this part.

CALIBER 262

ISO PART NUMBERS



LUBRICATION

OL 206 - Setting wheel posts, stem, cannon pinion/drive wheel. OL 216 - Rotor bearings, train wheel bearings, center wheel post.

PARTS LIST FOR SERIES 263 (ADDITIONAL OR VARYING FROM SERIES 262)

PART #	PART NAME
10.020	Main Plate
10.048	Train Wheel Bridge
10.106	Dial Support
10.513	Electronic Module
13.105	Date Indicator Maintaining Plate
20.570	Power Cell

PART #	PART NAME
20.582	Stator
20.590	Coil
20.651	Power Cell Insulator
20.761	Power Cell Strap (Side)
51.081	Lever For Set Lever
51.090	Set Bridge (Jumper)

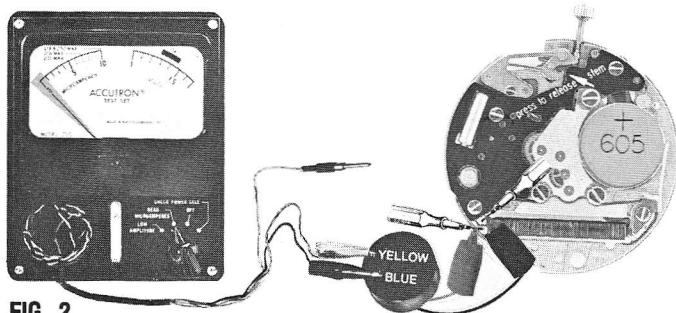


FIG. 2

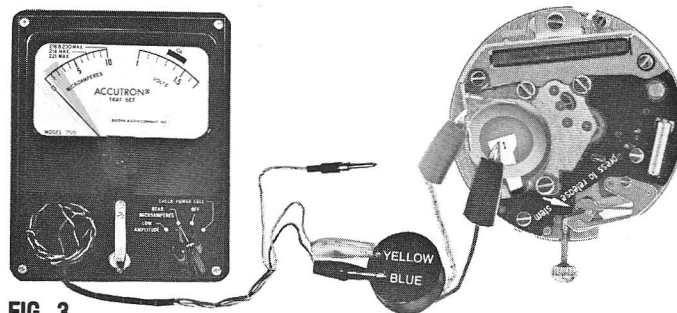


FIG. 3.

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