Subject: Renata No 31 Battery
Posted by Gary on Sun, 19 Oct 2014 04:01:27 GMT
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I broke open a modern Gruen quartz watch given to me in a lot of old watches. This baby is Swiss made for sure, will post it in the model identification when I get the chance. Looking for a new battery but cannot find an equivalent.

Renata No 31

File Attachments

1) battery.jpg, downloaded 5151 times


NO

Subject: Re: Renata No 31 Battery
Posted by Bazzab on Sun, 19 Oct 2014 13:19:28 GMT
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Try this Battery Cross Reference Guide
Might Help

http://www.battery-house.co.uk/reference.html

B

Subject: Re: Renata No 31 Battery
Posted by Gary on Sun, 19 Oct 2014 15:01:32 GMT
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Thanks B! Yeah this must be a very old quartz. The renata list starts in the 300's, mine is in the 30's

Subject: Re: Renata No 31 Battery
Posted by Bazzab on Sun, 19 Oct 2014 15:33:18 GMT
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If you search for yours in the box, it gives a list of replacement for equivalent batteries.
They also have yours in stock!

Subject: Re: Renata No 31 Battery
Posted by Barney Green on Sun, 19 Oct 2014 17:28:49 GMT
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I tried it and they came up with the 312 which is for most likely the right one as it is a hearing aid battery. These are Zinc air cells which have a different characteristic than the normally used silver oxide baterries for watches. I guess this old model was a mercury cell and as such is nowadays banned.
Gary, most helpful woulfd be measurung diameter and height of the battery at a tenth of millimeter. Then I should be able to find the correct modern equivalent...

Subject: Re: Renata No 31 Battery
Posted by Gary on Sun, 19 Oct 2014 18:26:42 GMT
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Thanks Bernd! Yes by my old vernier callipers the measurements are 1.5 thickness x 6.7 mm in

diameter.

I have the 312's on hand and they come nowhere close.

File Attachments

1) 31_312_compare.jpg, downloaded 4824 times



2) 312_31_compare1.jpg, downloaded 4865 times



Subject: Re: Renata No 31 Battery
Posted by Barney Green on Sun, 19 Oct 2014 18:48:36 GMT
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OK, in this case I'd go with a SR616 which is also sold as 321. It measures 6.8mm diameter and 1.65mm height. This is the smallest common battery that should fit.
There is one smaller battery with 1.4mm height which is the SR614 also known as 339. That one is hard to get.

Subject: Re: Renata No 31 Battery
Posted by Bazzab on Sun, 19 Oct 2014 18:58:31 GMT
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Not sure if this one is any better!

http://www.batterymart.com/p-364-silver-oxide-button-cell-ba ttery.html

B

Subject: Re: Renata No 31 Battery
Posted by Barney Green on Sun, 19 Oct 2014 19:02:41 GMT
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No, it's too high, 2.15mm....

Subject: Re: Renata No 31 Battery
Posted by Gary on Sun, 19 Oct 2014 21:36:24 GMT
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Found a 321 at RadioShack and fits perfectly!

File Attachments

1) 321_battery.jpg, downloaded 4850 times


NO 31
RENATA
WATCH
SWISS
MADE
321
RENATA

Subject: Re: Renata No 31 Battery
Posted by Barney Green on Mon, 20 Oct 2014 06:00:34 GMT
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What I said. Happy that I could help...