Subject: Gruen Autowind Bumper 462SS
Posted by klevay on Fri, 24 Jan 2025 03:06:21 GMT
View Forum Message <> Reply to Message

Hello,
Are Gruen Autowind bumper movements known for escapement problems?

I was gifted a Gruen Autowind "bumper" wristwatch with a 462ss movement in non-running but otherwise pristine condition. The balance oscillates fine after a light puff of air, so I decided to give it a proper cleaning.

I discovered that the mainspring was set, but I managed to source a vintage blue steel replacement mainspring in its factory package. Despite its age, it was not set (considering its shape). After wiping and relubricating, I installed it directly into the barrel. All parts were cleaned, and the movement was reassembled.

However, the balance amplitude is very weak. It ticks but stops frequently. The pallet fork drop test is also poor—very anemic. It almost feels like there is no power transmission at all. All jewels and pivots look good.

Any suggestions on how to troubleshoot this?