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There is a booklet "Living on Air; History of the Atmos Clock" by Jean Lebet. This is the most complete book on the Atmos.

For overhaul information you will need three other booklets.

They are the "Atmos Repair Notes", "Repair Guide and Parts Lists for the Caliber 540", and "How to Repair the Atmos".

Although the "Repair Notes" and "Repair Guide" are only 10 or so pages long it is a must have if you plan on repairing the Atmos clock. These notes cover virtually everything you need to know in order to properly service the Atmos.

One important thing NOT in all the repair notes is polishing on the fork tines and pendulum roller. I polish these with a paste metal polish using toothpicks and other pithwoods. Just be sure to remove all the polish and rinse well. I use "One Dip" for the roller, fork, escape wheel, and jewel caps. The reason for the escape wheel is that the interactive friction with other parts in an ultrasonic "may" cause problems. Others will disagree but I'd rather be safe than sorry.

Another "tip" that's not in the repair notes please see my file called beat.pdf. It is located at:

<ftp://atmosman.com/pdf/beat.pdf>

The 540 notes do not contain instructions for the unwinding of the mainspring.

First make sure that the coil spring, that's the spring which goes inside the bellows chamber, is "captured" by your off hand. Hold the spring when you remove the two screws which hold the movement and remove the movement making sure that you have a hold of it with your "off" hand because it can fall off after these screws are removed. The ratchet clicks (tines) on the pulley spring can break if you don't have a hold of the coil spring when you remove the movement.

There is a double click on the winding ratchet, which is on the movement, and loosen the screw which hold this click in place. As the screw is loosened the click will start to pull away from the ratchet. Make sure that you have a hold of this ratchet with a finger and gently pull the double clicks away from this ratchet and let the power down manually. You could also remove the click entirely making sure that your finger is hold the ratchet and again let the power down manually. This can get away from you quickly, so if you want to know the # of turns on the mainspring as the clock came in then be sure to hold the ratched firmly and take care in its release because you only get one shot at the # of turns on the mainspring.

These Repair Notes and Repair Guide are 8" X 11" staples sheets of paper and not to be confused with other Atmos information such as the

booklet called "How to Repair the Atmos". This booklet assumes that you already have the notes and there in almost nothing in the booklet that is not covered by the Repair Notes.

Most major parts suppliers carry the "Atmos Repair Notes", the "Repair Guide", and the "How to booklet", and the historical booklet by Lebet.

Another source for the caliber 540 and higher is a series of articles by Jerry Jaeger which were published in AWI's "Horological Times". This version of the Atmos started production in 1983.

The series of 4 articles were published in May 1992 until August 1992 and you will need to contact AWCI in order to obtain them.

American Watchmakers-Clockmakers Institute (AWCI)  
701 Enterprise Drive  
Harrison, OH 45030 USA  
Phone 513-367-9800 or Fax 513-367-1414  
AWI's Web address: <http://www.awci.com/>  
My AWI Unofficial Web address: <http://www.webcom.com/z4murray/awi.shtml>

All four booklets should be available through eBay.com and suppliers of aftermarket parts are listed as the following Web site.

[http://www.atmos-man.com/corepair.html#Atmos\\_Parts](http://www.atmos-man.com/corepair.html#Atmos_Parts)

A service from, E-mail address: Mike@atmos-man.com  
Mike Murray Founder of Clocksmiths

A specialist in Atmos and 400-day clock repair.  
Also, I overhaul most plug in electric clocks.  
In continuous horological service since 04/01/1982.

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My main Web site is located at "<http://www.atmosman.com/>"

Main FTP site is located at:  
"<http://home.earthlink.net/~atmosman/earthftp.html>"

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