

SERVICING THE AGING MODERN FLOOR CLOCK IN THE HOME

COURSE DESCRIPTION

Making house calls on floor clocks is a very important addition to any repair shop's bottom line. Learn how Mr. Gainey has made this the most profitable day of his week.

This three day class focuses on repairs to the modern floor clock movement that can be completed in the home as well as determining when the clock needs to go to the shop. We will be examining, through a series of photographs, the most common problems encountered when repairing the aging modern floor clock movement and how to correct them. We will also perform hands on repairs and adjustments to the modern Hermle clock movement. Through the use of 100's of tips and techniques Michael will share the wisdom and knowledge he has obtained over the course of 39 years and over 20,000 house calls that enable him to trouble shoot almost any mechanical problem in a matter of minutes.

A partial list of topics to be discussed include; different house call approaches, scheduling, pricing, guarantees, worn out movements, movement replacements vs. movement restorations, basic escapement adjusting, clock parts nomenclature, maintenance intervals, the house call tool box, problems specific to certain movement types, troubleshooting and general tips and time savers.

Pre-requisites

This is considered an intermediate level class. In order to get the most from the class you will need; a good mechanical aptitude, an understanding of basic clock movement terminology, the basic functioning of time, chime and strike systems, some familiarity with modern clock movements and at least some experience with repairing and adjusting clocks.

Servicing the Aging Modern Floor Clock in the Home

Items I will need for class to be provided by host

Must have:

1. Projector with table and screen, the larger the better. I will bring my own laptop but there must be the appropriate connecting cords for an HDMI output
2. A white board with markers and or large pad and easel with markers
3. Sufficient work space for those attending.

Optional Items – All of these items are not required but any of these items will add significantly to the class experience. As I may be flying into Texas it will be impractical for me to bring all of these items. There is a slight chance I may drive in which case *I may be able to bring some of these items.*

1. One to three modern era floor clocks (with weights and pendulums) to be used in a demonstration of in home service. Non-functional clocks are preferred. One of them could even be worn beyond functionality but one or two should be in a “repairable” state. Dirty clocks are fine.
2. If possible - one each of the following; any type/style of **functional** Hermle, Urgos, Keininger and Jauch floor clock movement on testing stand with weights and pendulum for use in demonstrations and or for answering questions.

TOOL LIST For Participants

Must have:

Paper and pen or laptop for note taking. Outlines will be provided.

Basic hand tools including;

Assortment of screwdrivers – regular and jewelers sizes, standard tip and Phillips

Standard and needle nose pliers

Smooth jawed pliers

Preferred magnification device

Tweezers

#8 let down key

Nut drivers if you have them

Clock oil

Secondary lighting if desired and extension cord

If you have a tool box you use for making house calls please feel free to bring the entire tool box.

Note - The following item will be used during our hands on section. If you do not bring one of these you may miss out on one of the most helpful sections of this class.

Used but not worn out **spring driven Hermle pendulum chime** movement is preferred. The specific model is irrelevant. Movement does not need to be in pristine condition but we want the chime and strike to be functional. Alternatives would be a Hermle floating balance chime movement or even a Hermle weight driven floor clock movement. If you bring a floor clock movement you need not bring the weights and pendulum. The Hermle Chime movement is the most common movement used in modern floor clocks. We will use these movements to practice repairing the most common malfunctions.

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Partial Topics List:

- House Call Concepts
- Scheduling
- Pricing
- Guarantees
- Movement replacements vs. overhaul
- Maintenance Intervals
- The Complete House Call Toolbox (including recommended parts to carry)
- Nomenclature
- When is a Clock Worn Out?
- Basic Escapement Adjusting
- Specific Movement Issues:
 - Hermle
 - Urgos
 - Keininger
 - Jauch/Emperor
 - Jauch/ Colonial
 - Common Tubular Bell Movement Issues
 - Antique Tall Case
- Troubleshooting Tips
- General Tips
 - Avoiding Call Backs
 - Clock Myths
 - Leveling Techniques
 - Tubular Bells
 - Packing Floor Clocks for Long Distance Moves
- Special Techniques
- Hands-On Adjustment of Hermle Chime Movement
- House Call Checklist of Normal Modern Floor Clock Set Up
- Demonstration of in home service and repair of one or more modern floor clocks.

About The Speaker

Michael Gainey CC21

Michael began his clock career right after high school (1978) delivering floor clocks part time for a Columbus area grandfather clock store. This opened the door for him to learn clock repair through a five year apprenticeship with their clockmaker.

He eventually left his employment there and in 1994 formed Master Clock Repair. He became a Certified Clockmaker in 2001. He served on the AWCI Education Committee (2004-2011) where he and his colleagues wrote the Standards and Practices document for Clockmakers and rewrote the Certified Clockmaker Exam. He has also served as a Certification Test Assessor, AWCI Board Member, Affiliate Chapter Chairman, Honors and Awards Committee Chairman and is currently the President of the Watchmakers Clockmakers Association of Ohio. Michael has written several articles for the Horological Times and taught many courses for both AWCI and WAO.

He repairs approximately 1000 clocks a year and during his 39 years in the business he has repaired or serviced over 40,000 clocks including approximately 20,000 house calls. You can learn more about Michael and his repair shop by visiting his extensive web site at www.masterclockrepair.com.