

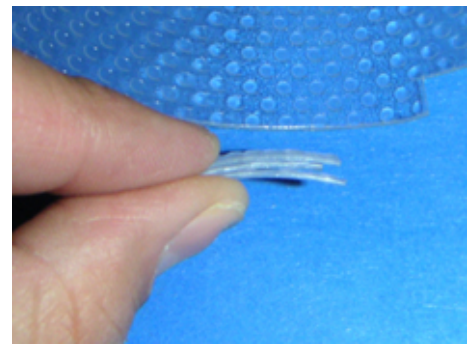
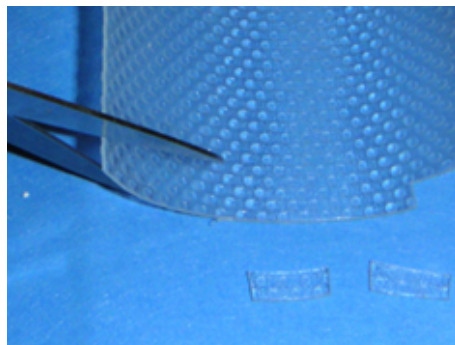
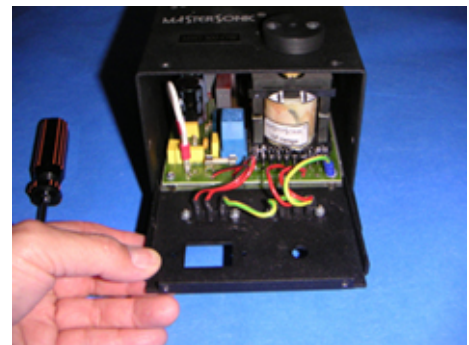
MMM Generator Installation Note
Inductor Gap Fixation Installation Note
for OF and OW series

Following final system adjustment and optimization of all operational parameter including adjustment of the inductive compensation the following steps will help ensure continued stable operation of the adjustable inductance.

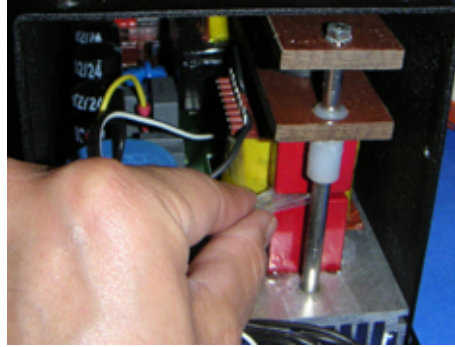
ATTENTION: All ultrasonic equipment installation procedures should be undertaken only by a qualified electrical technician. The following described work is normally performed by MPI as part of its quoted installation services. OEM clients, Systems Integrators or End-User clients performing their own installations without MPI' services are liable for any system damage or improper adjustments.

After optimized adjustments and continued operation for some days the internal inductive compensating ferrite gap should be rechecked for optimum setting and fixed to prevent accidental shifting. A silicone spacer and liquid silicon may be used to fix the gap. The following steps may be used:

- 1.) Stop all generator operations, disconnect from the mains power source, and disconnect the transducer load.
- 2.) Remove the top 4 screws holding the side panel with the mains power and HF transducer connectors.
- 3.) Carefully pull away the panel to view the adjustable inductor.
- 4.) The gap between the ferrite core can be filled with small strips of silicon cut from a sheet and stacked to a suitable thickness.



5.) Place the silicon spacers between the ferrite core gap.

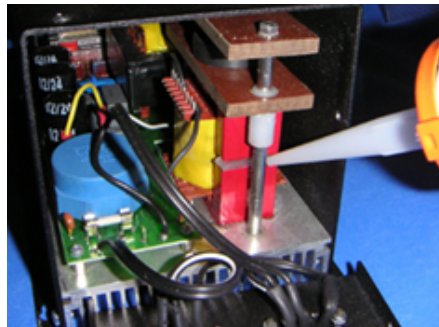


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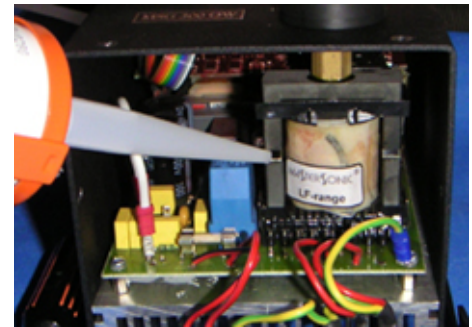


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6.) Fix the gap and spaces with liquid silicon.



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7.) Reassemble the side panel and electrical connections.

8.) Allow the silicon to dry overnight before continued operation.

9.) The ferrite cores should not be left in a free hanging state with empty air gaps, □□
as well as not blocked in the zero or no-gap state.