

Voltmeter Clock Assembly Procedure

AWK-105-0025 Rev C


Engineer
Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev C

Changes, going to Rev C from Rev B

- meter test procedure more accurately reflects the dynamic movement test performed on the previous batch
- padding/packing instructions changed to use bubble wrap instead of paper wadding
- gift code card added in addition to the instruction insert
- master carton instructions added

Parts needed:

HOURS meter

MINUTES meter

note: packaging is identical

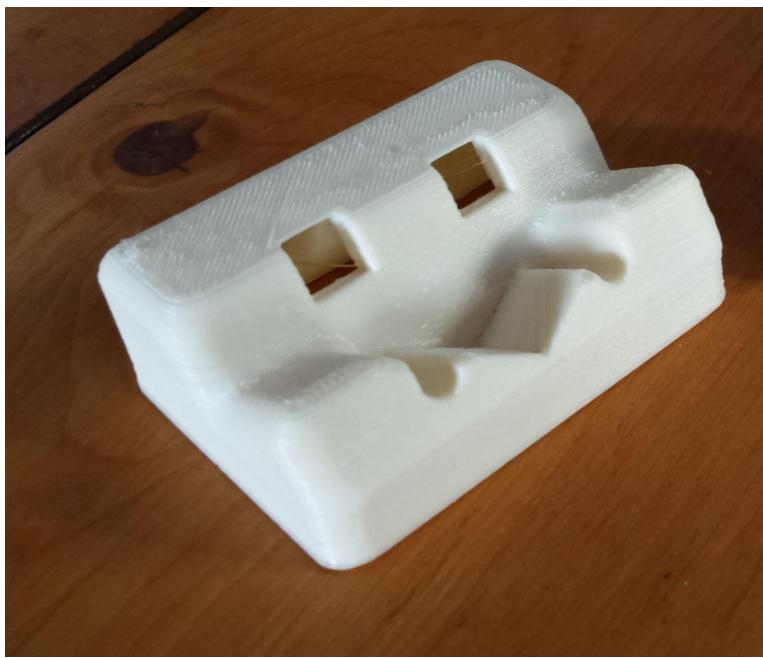


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AWK-105-0025 Rev C

- unpack meters
- discard packaging

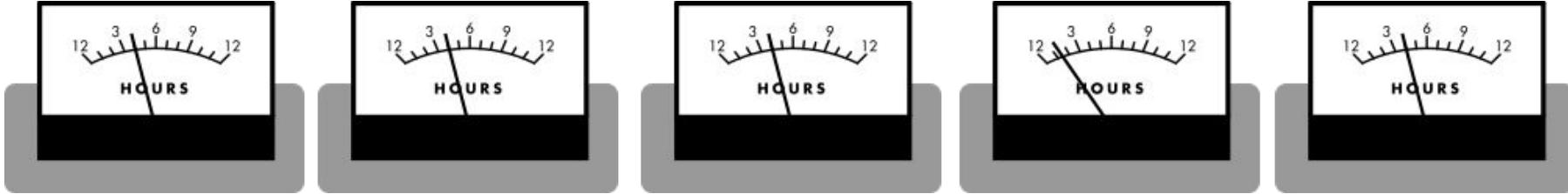




- place HOURS meter on test rig, check, and remove
- place MINUTES meter on test rig, check and remove
(not shown, new rig has space for multiple meters)

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Test rig cycles multiple units in sync from 0 to full scale and back to 0

Reasons to scrap part:

- jams or sticks at any point
- jumps over a number (easier to see with multiple units in sync)
- does not reach *past* full scale (12hrs or 60min)
- does not point to 0
- cosmetic (ink blots or bad scratch)

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Parts needed:

HOURS meter

MINUTES meter

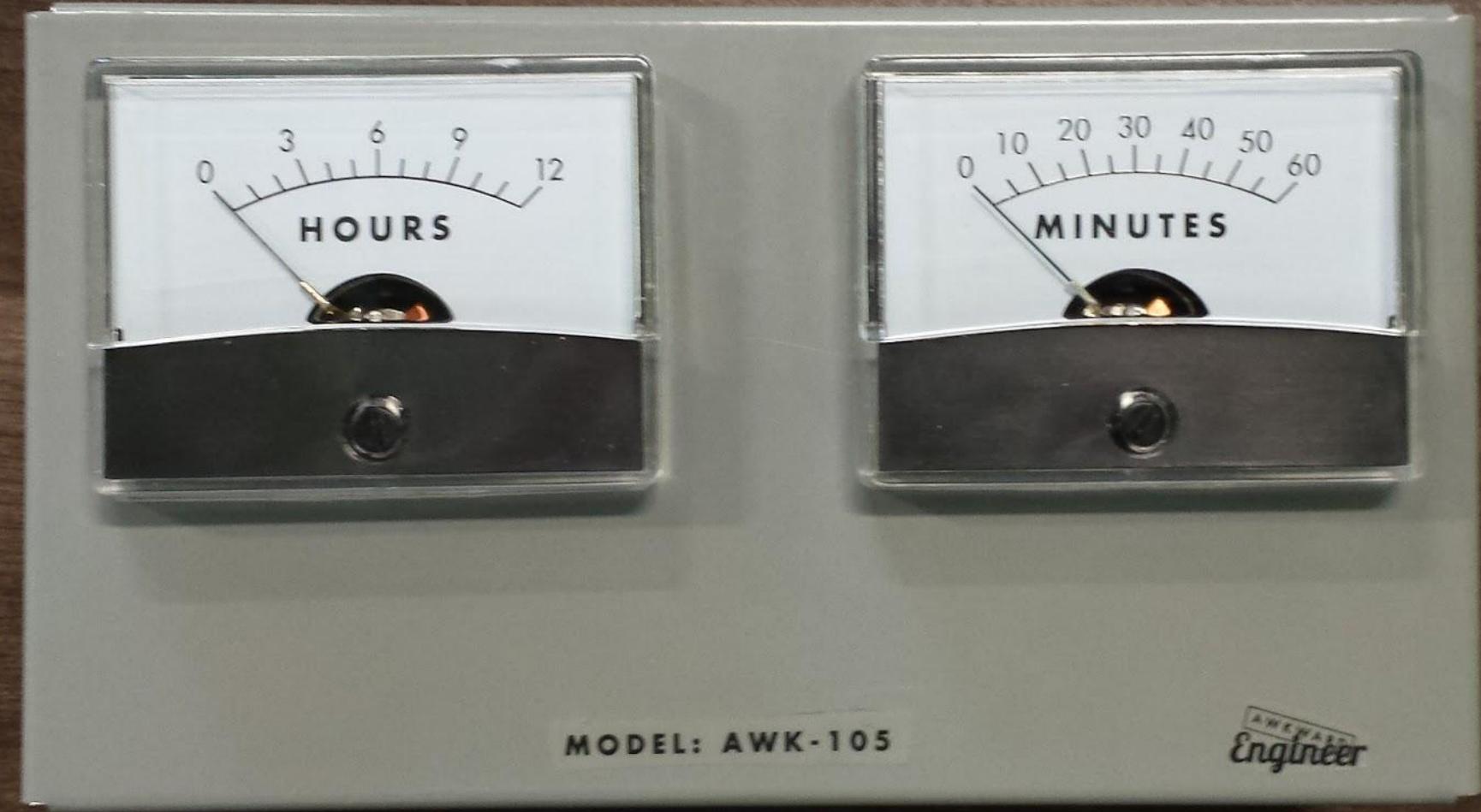
HOUSING, FRONT FACE

4x M2 Nuts



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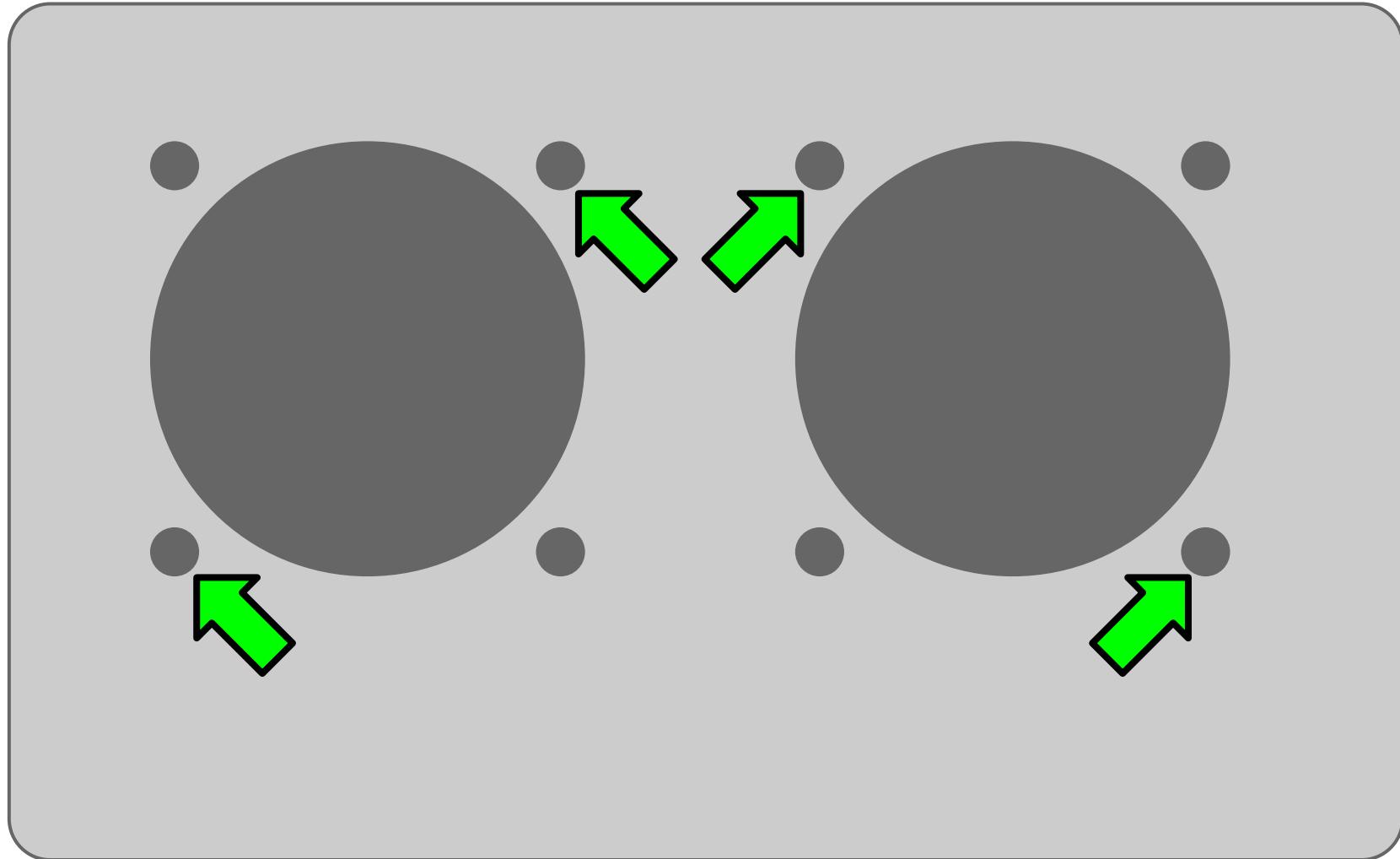


- insert HOURS meter
- insert MINUTES meter
- 4x tighten M2 nuts at opposite diagonal corners of meters shown below



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AWK-105-0025 Rev C



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Parts needed:

Work in Progress
PCB Assembly
4x M3 screw



- slide PCB assembly at angle into holes in housing and slide into place

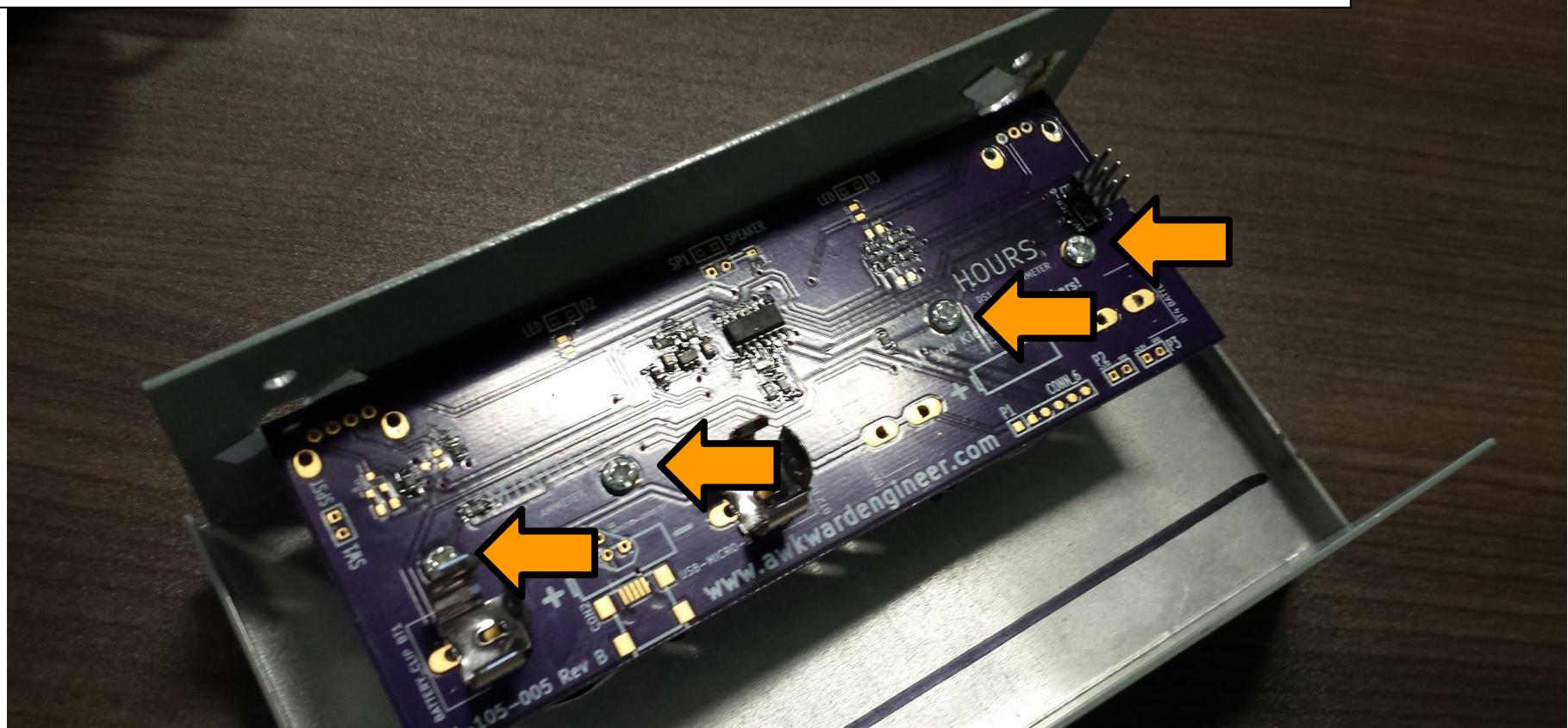
note that knobs are underside of board, and PCB components are facing up



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- 4x tighten M3 screw to secure PCB assembly to meters



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Parts needed:

Work in Progress
2x Knob Covers



- 2x slide knob cover onto shaft,
align knob set screw to flat,
tighten screw



note, shaft flat may be in any orientation



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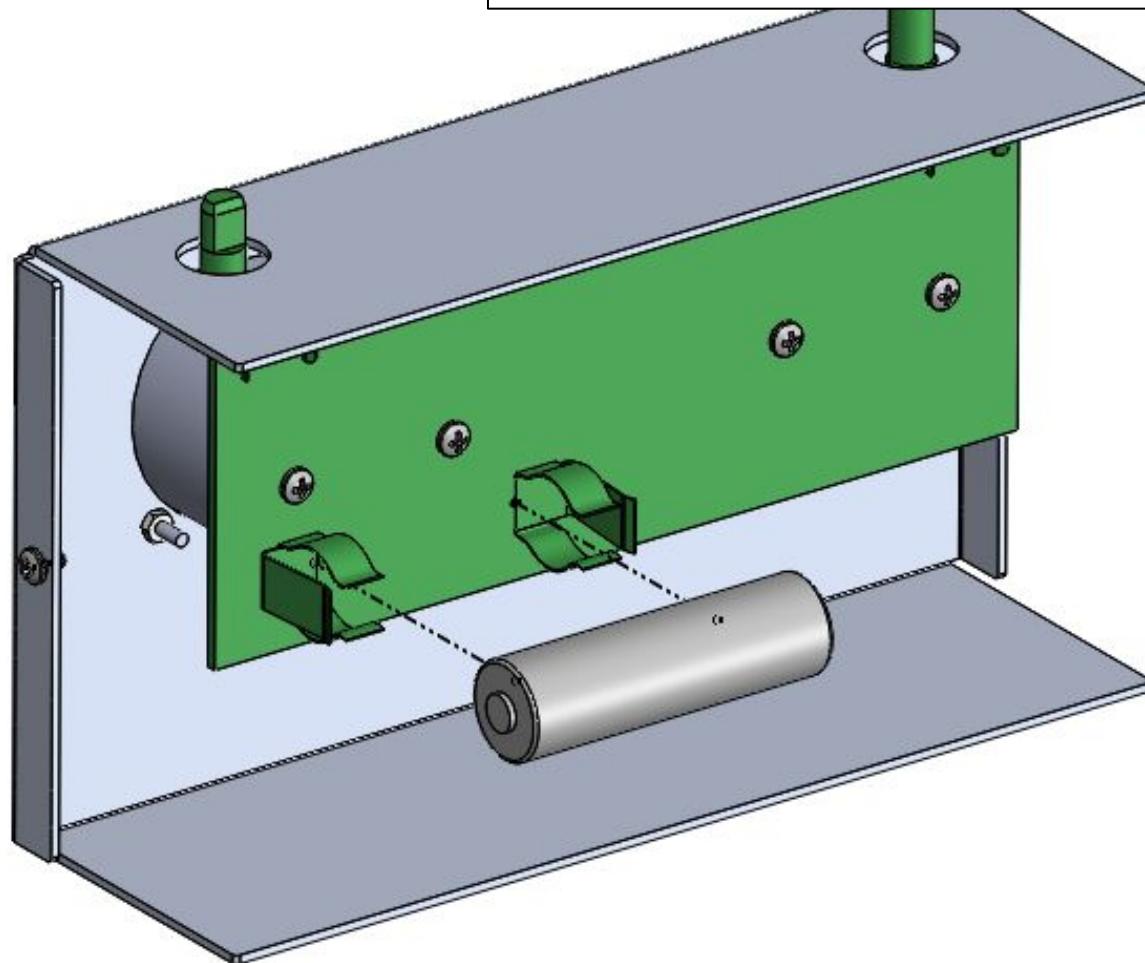
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AWK-105-0025 Rev C

Parts needed:

Work in Progress

1x AA Battery

- Insert battery
- Turn MODE knob to CAL 1, needle should move past full scale, other needle points to 0
- Turn to CAL 2, opposite needle points to full scale and zero
- Remove battery



Parts needed:

Work in Progress
HOUSING, BACK COVER
2x M3 Screw



- Slide back cover into place
- 2x tighten M3 screw



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Parts needed:

Box
Stamp
Inkpad

- Match the stamp to the SKU (Olive or Gray)
- Stamp Box in location shown
- Fold up box



Note location of semicircle

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Parts needed:

WIP Clock
Folded and stamped Box
Bubble wrap
Battery

- Slide clock into bubble wrap envelope
- Place clock into box
- Slide battery into the corner between the excess bubble flap closure material and the cardboard wall

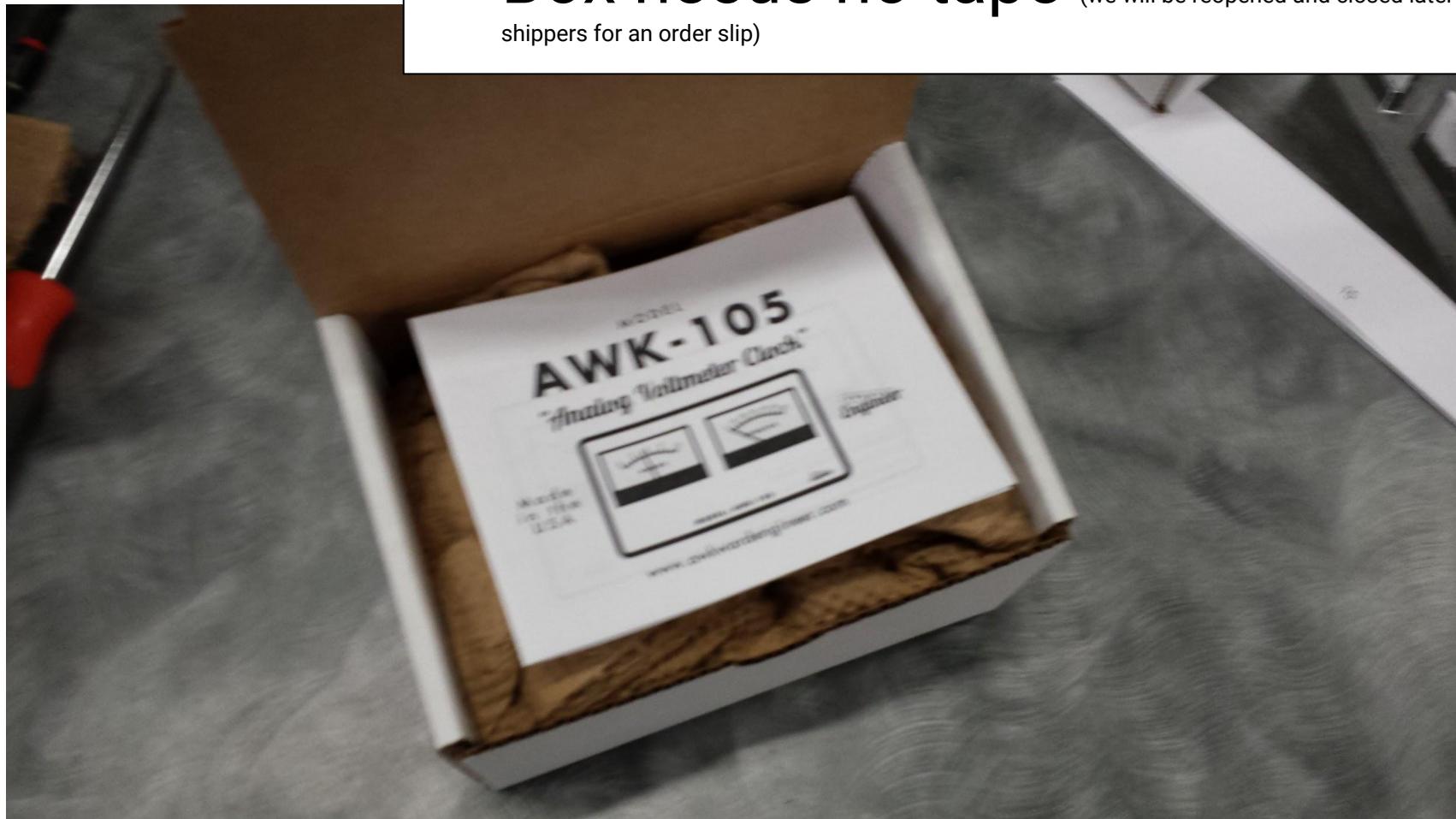
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AWK-105-0025 Rev C

Parts needed:

WIP Clock
Instruction Insert
Gift code insert

- Place gift code insert inside instruction insert
- Place on top of bubble wrap
- Close box
- Box needs no tape (we will be reopened and closed later by 3rd part shippers for an order slip)



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Parts needed:

WIP Clocks

Master Carton

Master Carton Label

- Place Clocks in Master carton
- Apply master carton label to any side of box (not the top)

label example

SKU: AWK-105GR
QTY: _____

master carton label must
be easily readable from 5ft
away and contain one
single SKU

Olive Clocks: AWK-105OL
Gray Clocks: AWK-105GR

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