

Voltmeter Clock Assembly Procedure

AWK-105-0025 Rev B

Parts needed:

HOURS meter

MINUTES meter

note: packaging is identical



AWKWARD
Engineer

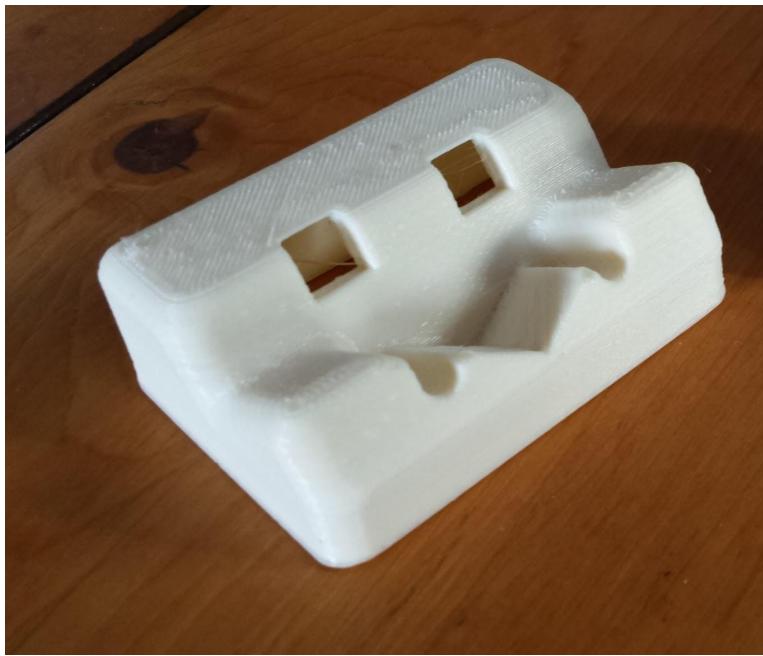
Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

- unpack meters
- discard packaging



AWKWARD
Engineer

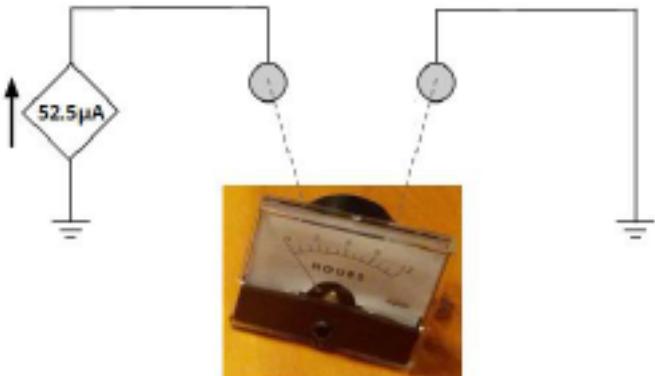
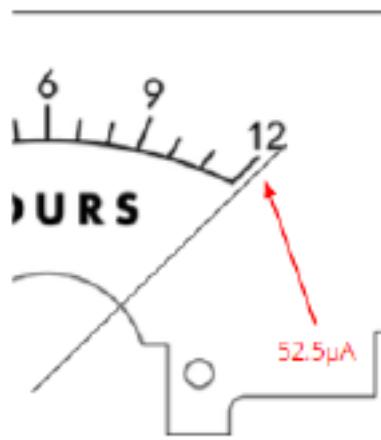
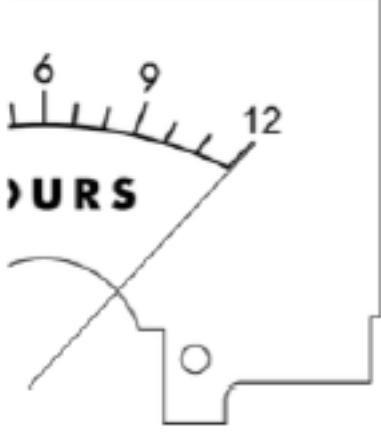
Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B



- place HOURS meter on test rig, check, and remove
- place MINUTES meter on test rig, check and remove

AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

Setup	Good	Bad
 <p>Apply current.</p>	 <p>Needle goes <i>past</i> the last mark. Visual test.</p>	 <p>Meter did not reach <i>past</i> the end.</p>

If the needle moves past the last mark on the meter, the test is good.

AWKWARD
Engineer

Parts needed:

HOURS meter

MINUTES meter

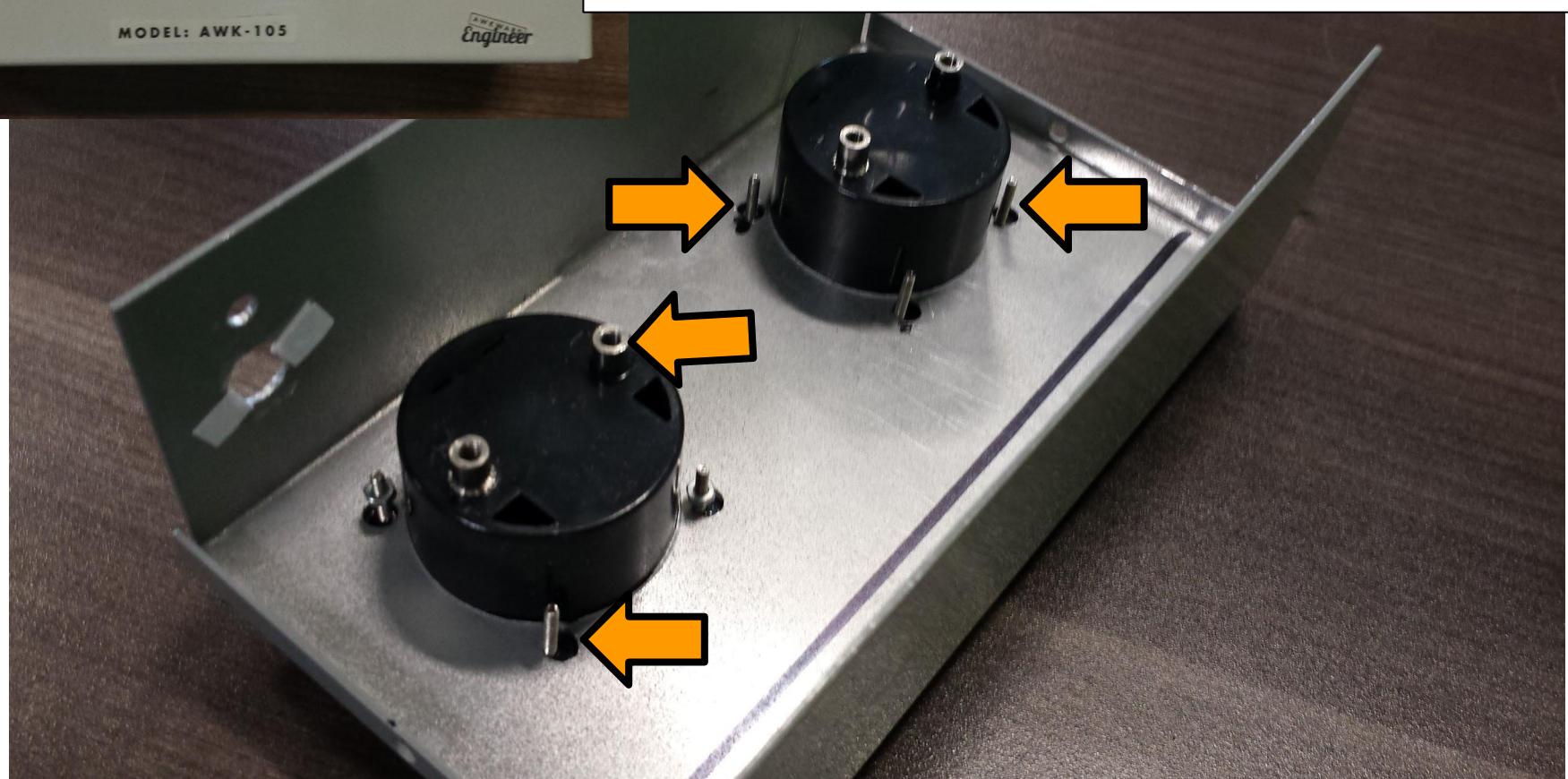
HOUSING, FRONT FACE

4x M2 Nuts



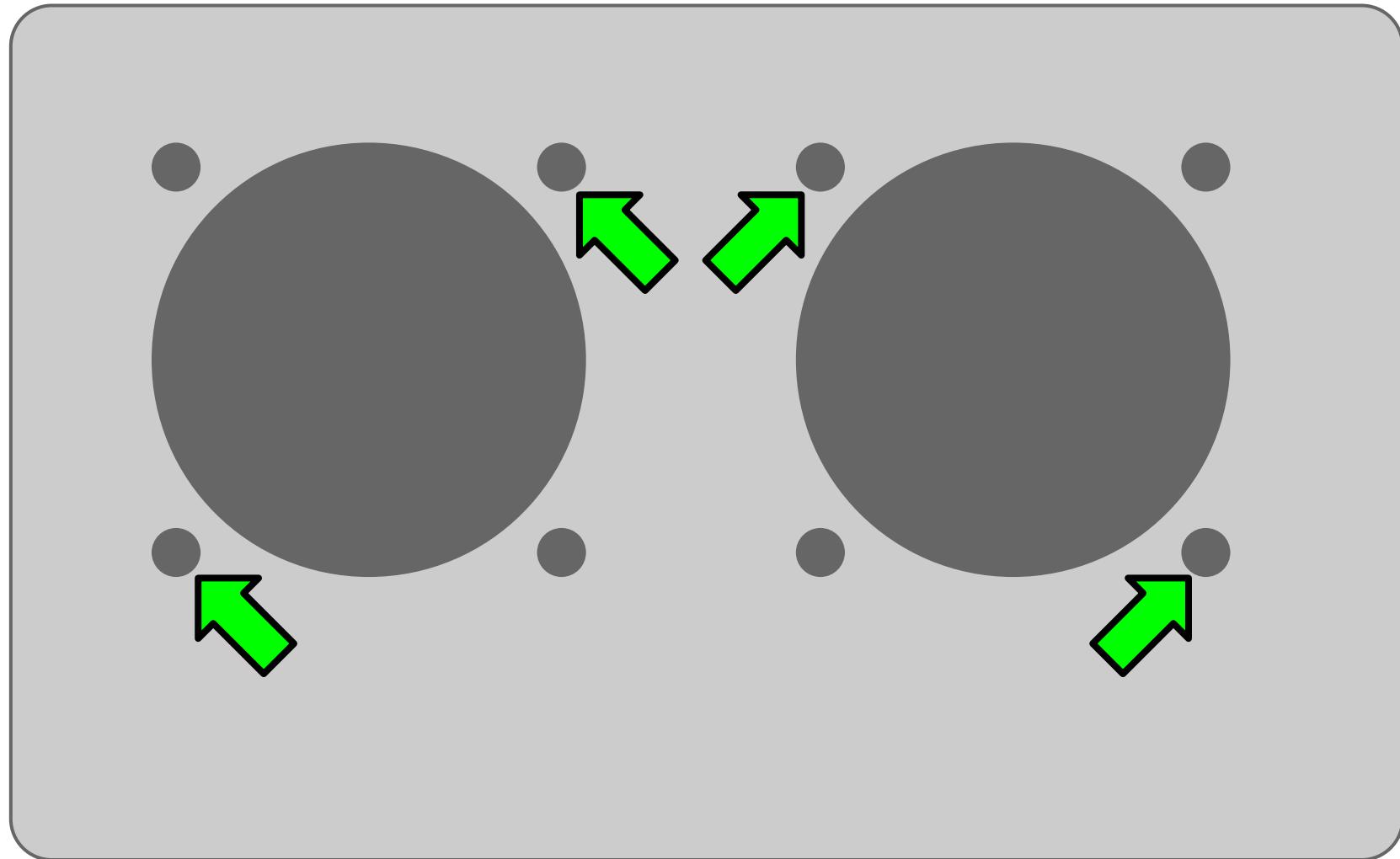


- insert HOURS meter
- insert MINUTES meter
- 4x tighten M2 nuts at opposite diagonal corners of meters shown below



AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B



AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

Parts needed:

Work in Progress
PCB Asembly
4x M3 screw



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

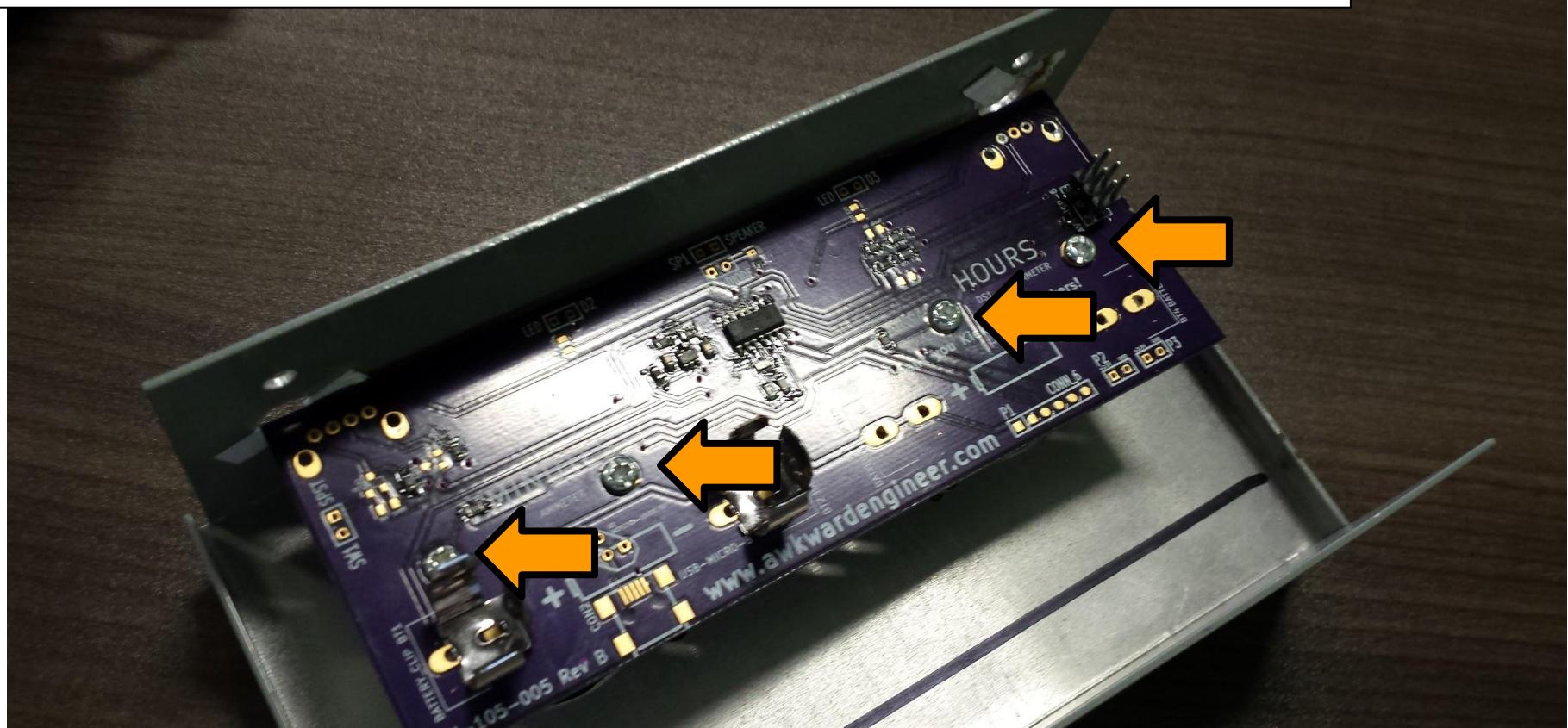
note that knobs are underside of board, and PCB components are facing up



AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

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



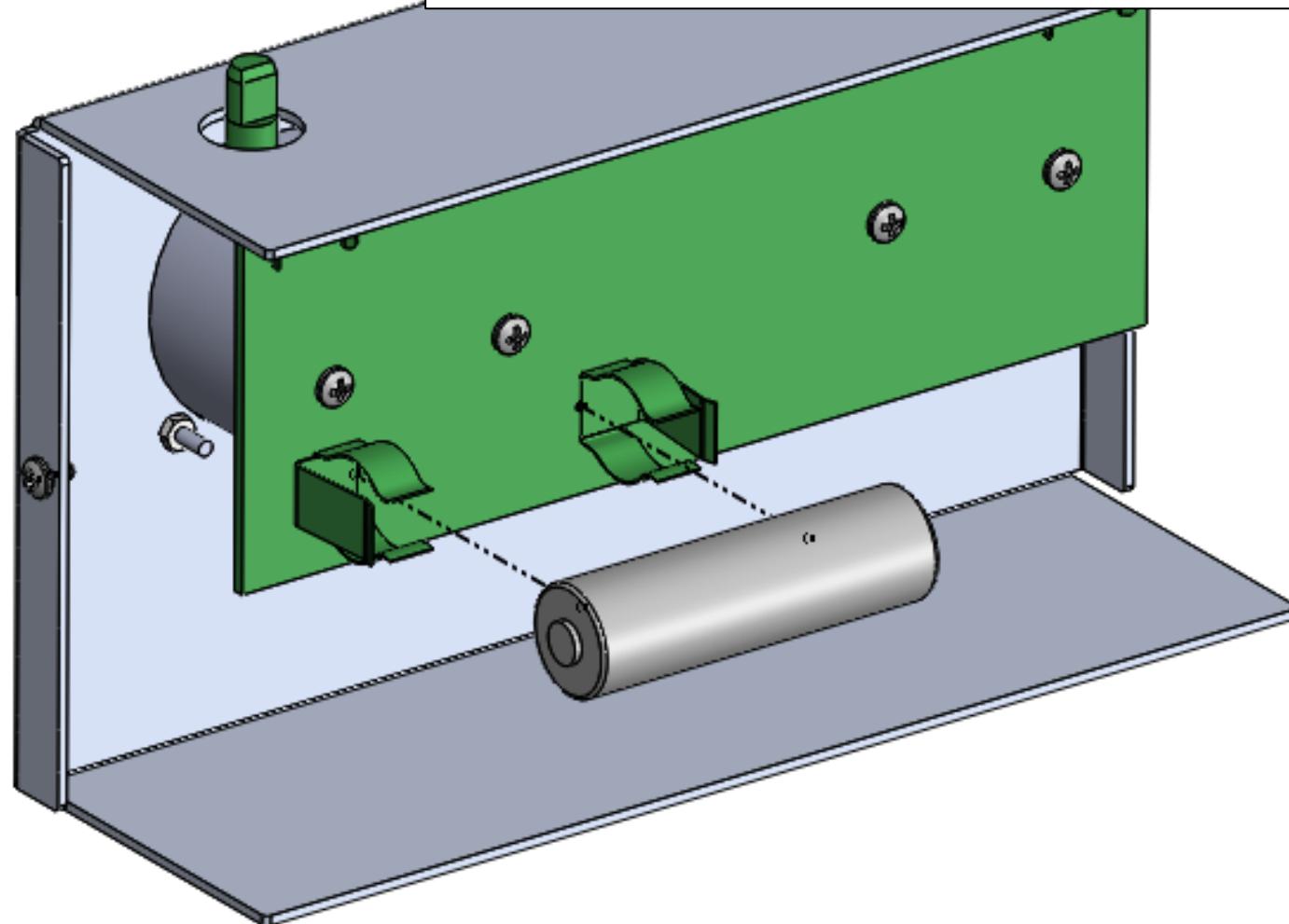
AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

Parts needed:

Work in Progress
1x AA Battery

- Insert battery
- Meters should flicker past full scale
- Remove battery



AWKWARD
ngineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

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



AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

Parts needed:

Work in Progress
HOUSING, BACK COVER
2x M3 Screw



AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

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



AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B

- wrap Clock
- wrap Battery
- make box and Stamp
- add Clock and instruction insert into box
- secure box

AWKWARD
Engineer

Voltmeter Clock Assembly Procedure
AWK-105-0025 Rev B