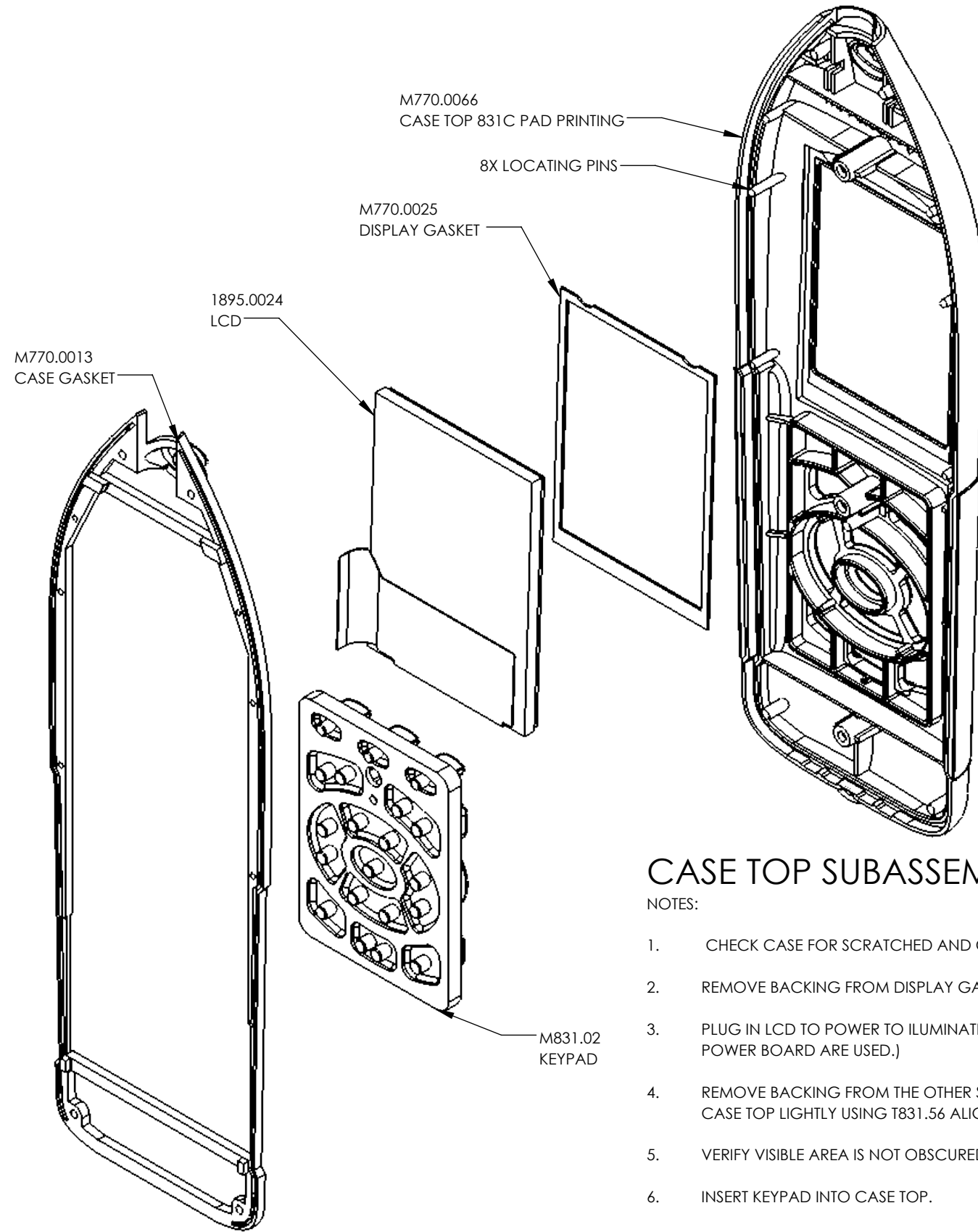


STEPS AS PART OF THE S831C.02



CASE TOP SUBASSEMBLY

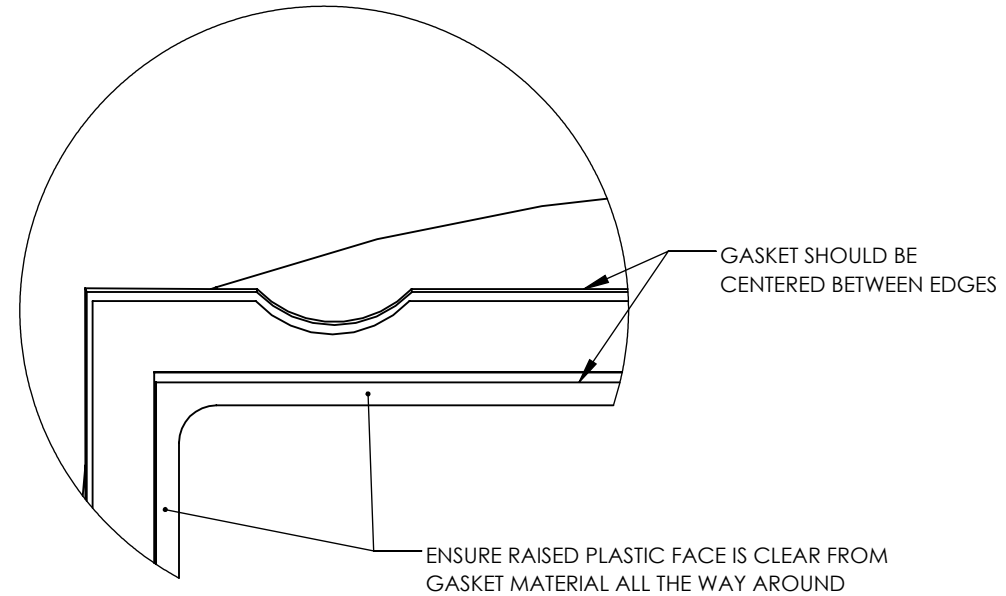
NOTES:

1. CHECK CASE FOR SCRATCHED AND CORRECT PRINTING.
2. REMOVE BACKING FROM DISPLAY GASKET AND ALIGN INTO CASE TOP, SEE DETAIL H.
3. PLUG IN LCD TO POWER TO ILLUMINATE THE BACKLIGHT. (POWER SUPPLY AND LCD POWER BOARD ARE USED.)
4. REMOVE BACKING FROM THE OTHER SIDE OF THE DISPLAY GASKET AND ALIGN LCD TO CASE TOP LIGHTLY USING T831.56 ALIGNMENT TOOL.
5. VERIFY VISIBLE AREA IS NOT OBSCURED AND PRESS DOWN TO THE GASKET.
6. INSERT KEYPAD INTO CASE TOP.
7. ASSEMBLE CASE GASKET TO CASE TOP USING THE LOCATION PINS.

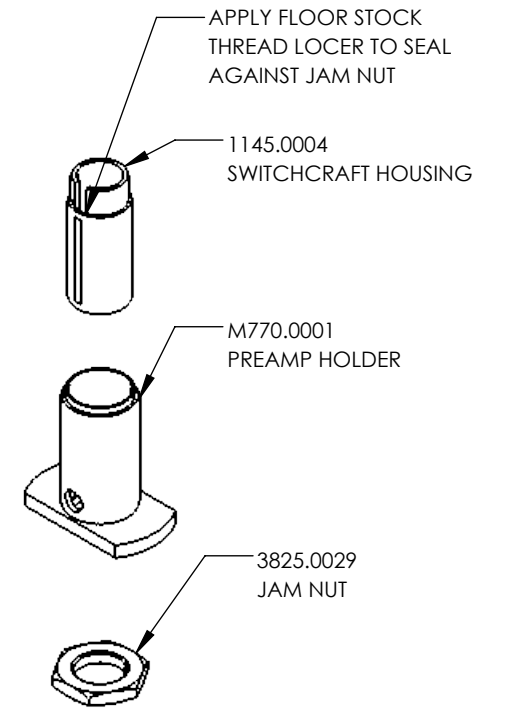
GASKET ALIGNMENT

NOTES:

1. ENSURE GASKET IS CENTERED IN TOP GROOVE.
2. ENSURE GASKET IS NOT PLACED ON RAISED EDGE IN ANY LOCATION.



DETAIL H
SCALE 4 : 1



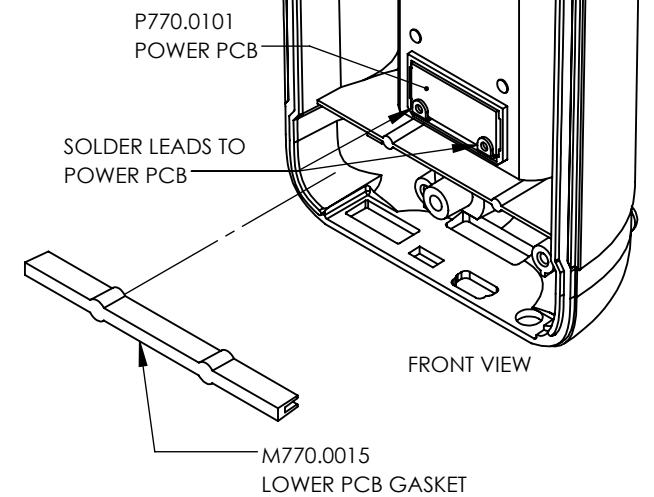
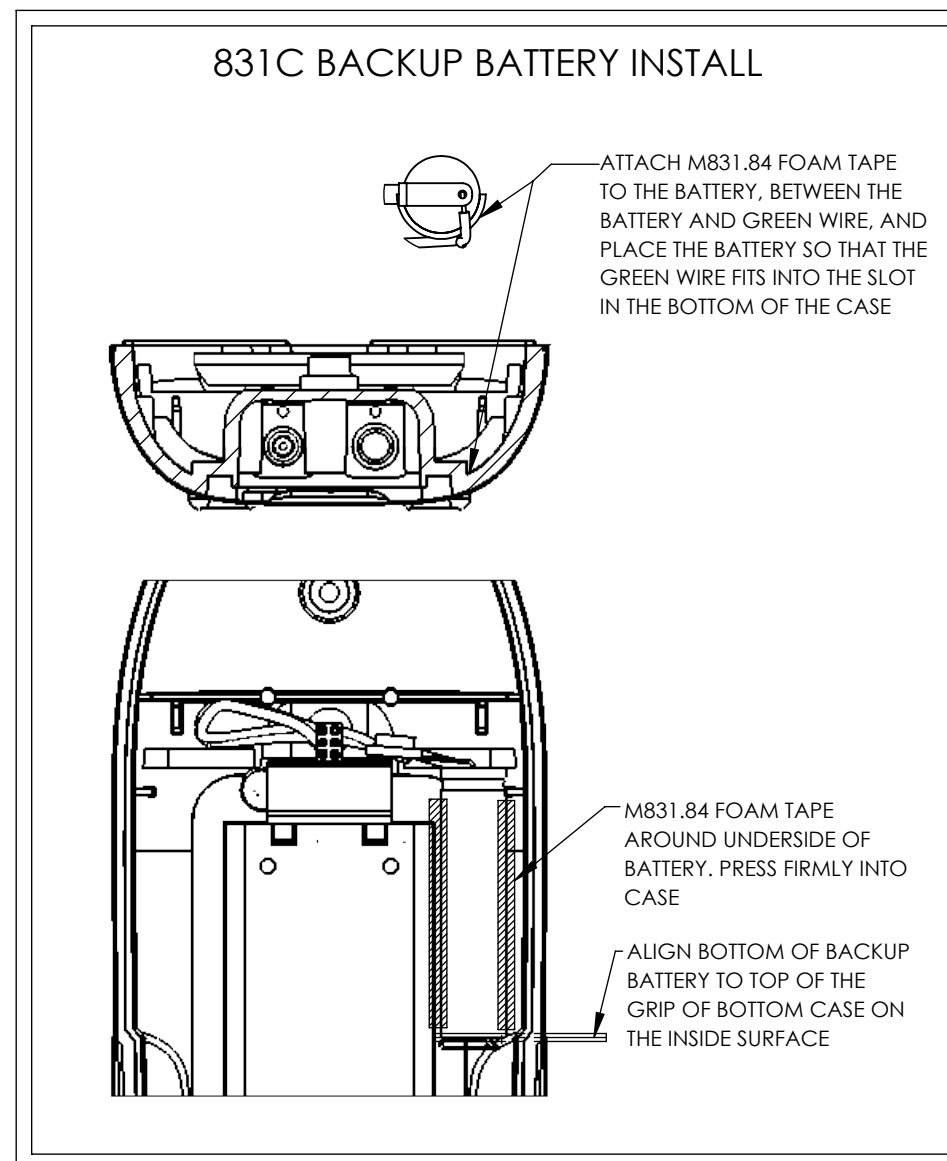
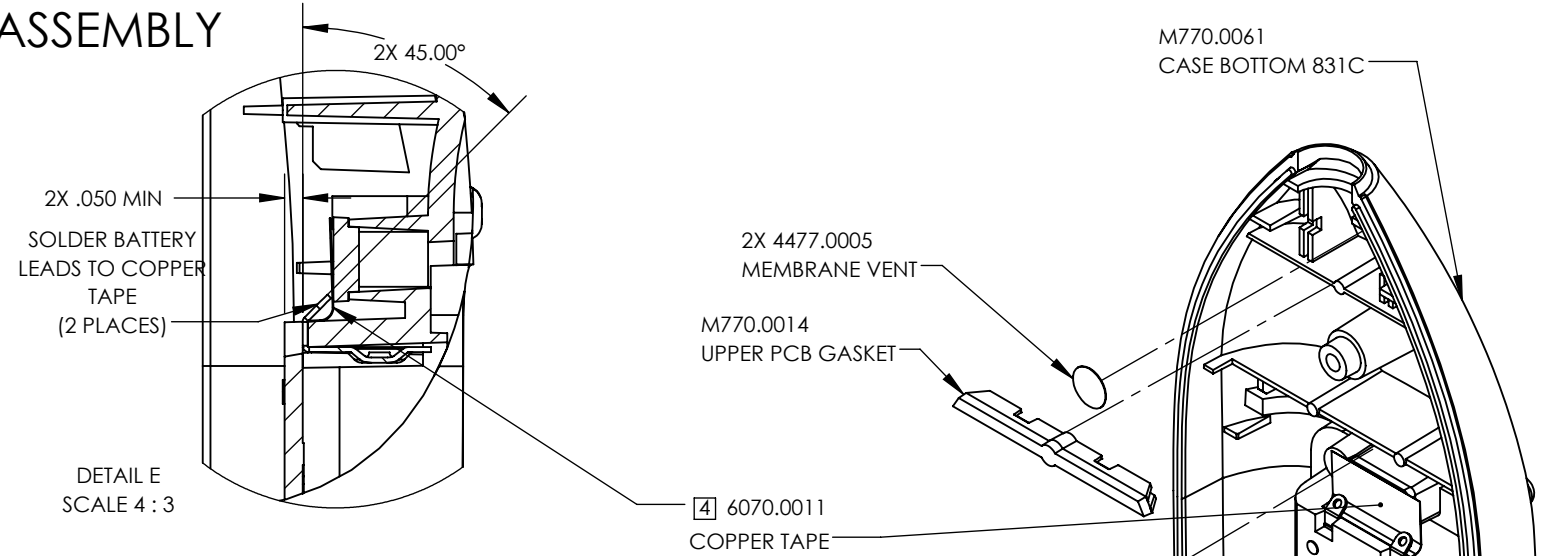
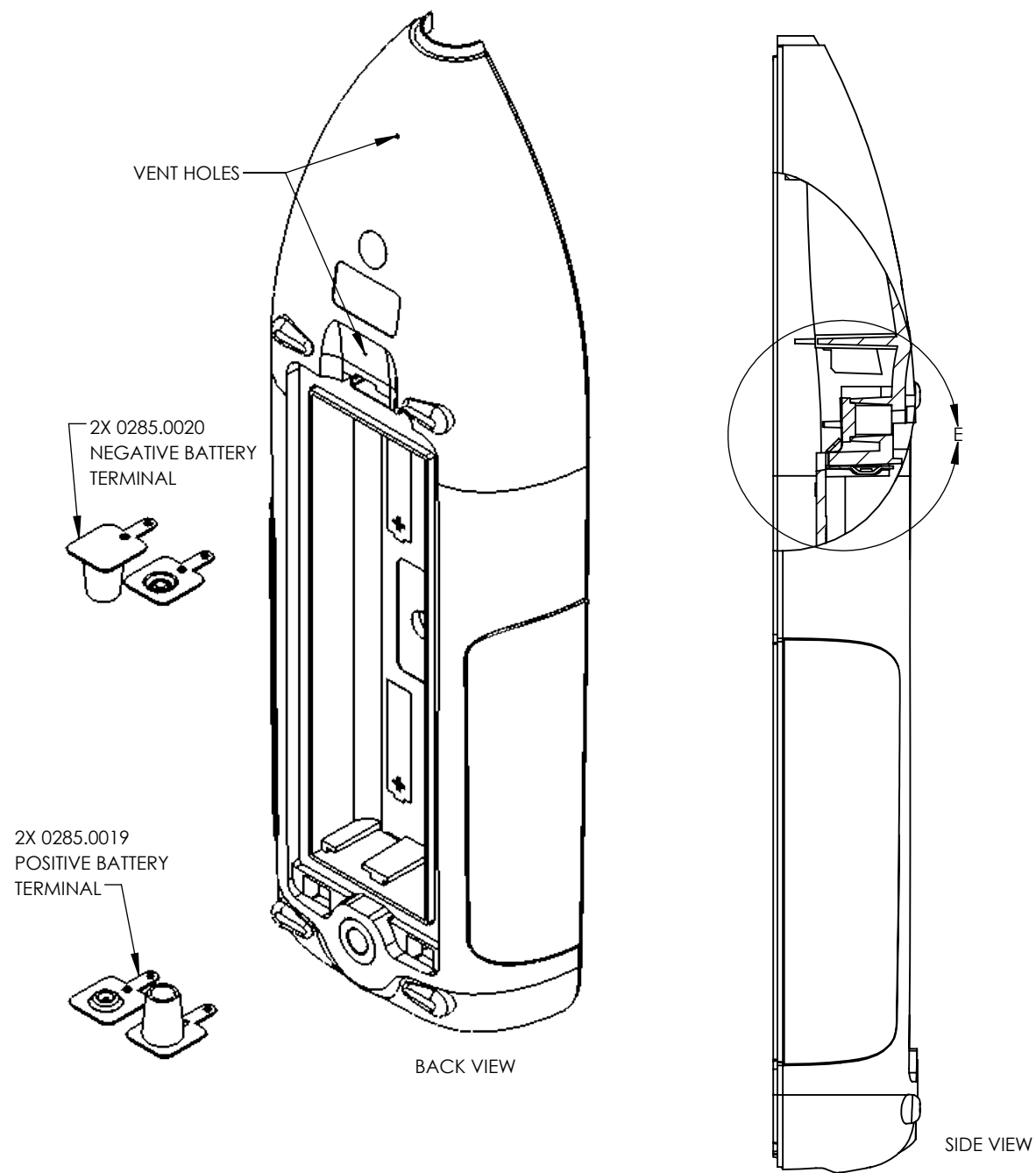
PREAMP SUBASSEMBLY

NOTES:

1. INSERT SWITCHCRAFT HOUSING IN THE PREAMP HOLDER.
2. APPLY PURPLE LOCTITE 222 OR EQUIVALENT THREAD LOCKER, AND TIGHTEN JAM NUT.
3. BE SURE BLACK BUTTON ON SWITCHCRAFT HOUSING IS CENTERED IN HOLE OF PREAMP HOLDER.

STEPS AS PART OF THE S831C.02

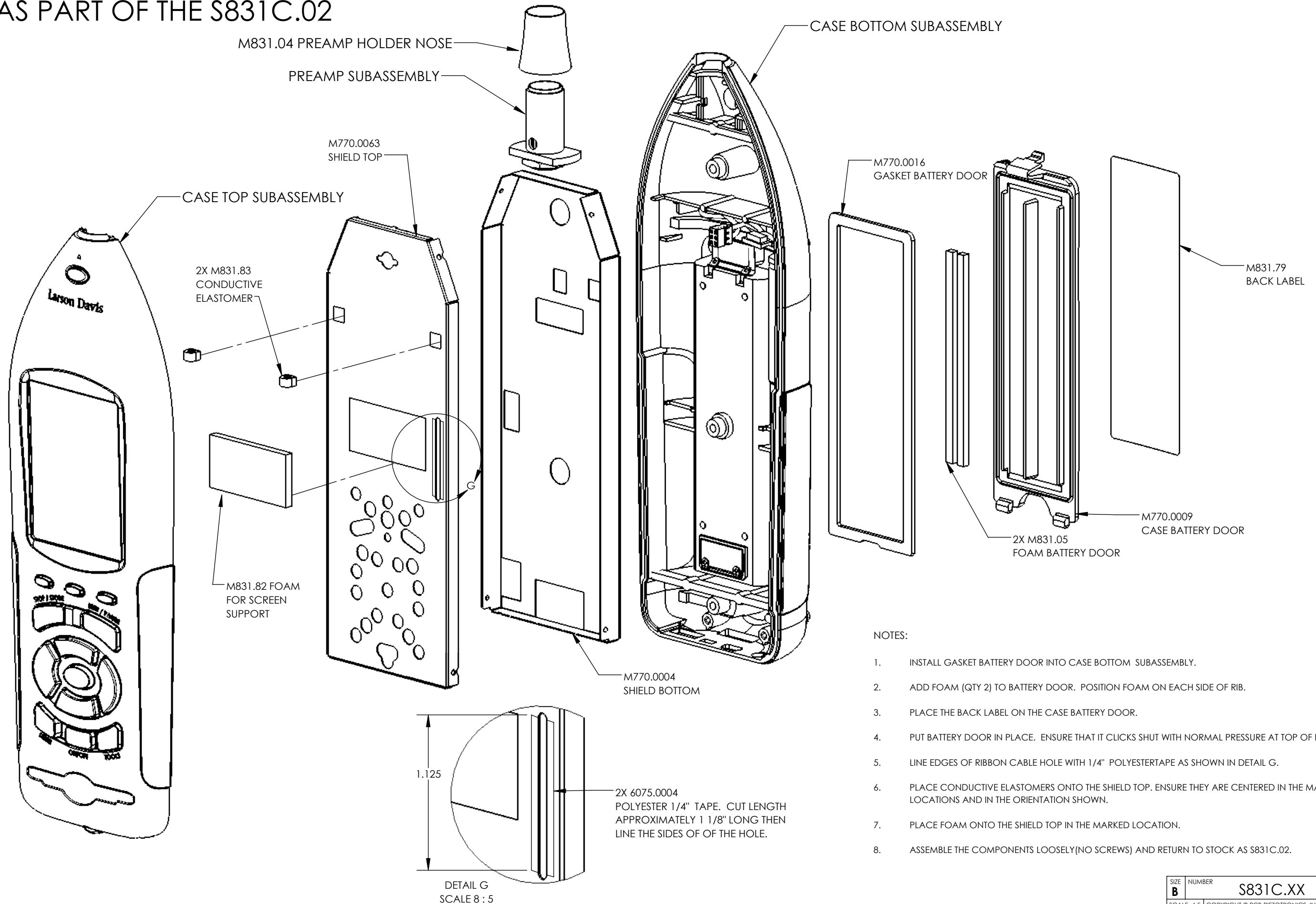
CASE BOTTOM SUBASSEMBLY



Notes:

1. INSERT BATTERY TERMINAL FULLY INTO SLOTS IN CASE BOTTOM. A TIGHT FIT IS TO BE EXPECTED; USE TOOL TO INSERT FULLY IF NEEDED.
2. ASSEMBLE THE BACKUP BATTERY INTO THE CASE AS SEEN IN "831C BACKUP BATTERY INSTALL".
3. PLACE POWER PCB INTO RECESS IN CASE BOTTOM, BEND TABS OF THE LOWER TERMINALS TIGHTLY OVER & ONTO THE POWER PCB, AND SOLDER.
4. USE 6070.0011 COPPER TAPE AND SOLDER ACROSS THE TWO BATTERY TERMINALS.
5. PLACE THE TWO GASKETS ONTO THE RIBS IN THE CASE BOTTOM AS SHOWN.
6. PLACE THE TWO MEMBRANE VENTS OVER HOLES IN BOTTOM CASE.

STEPS AS PART OF THE S831C.02

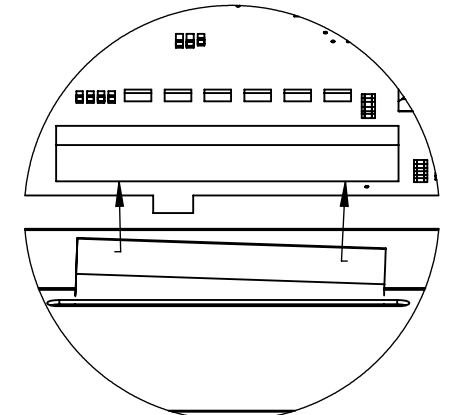
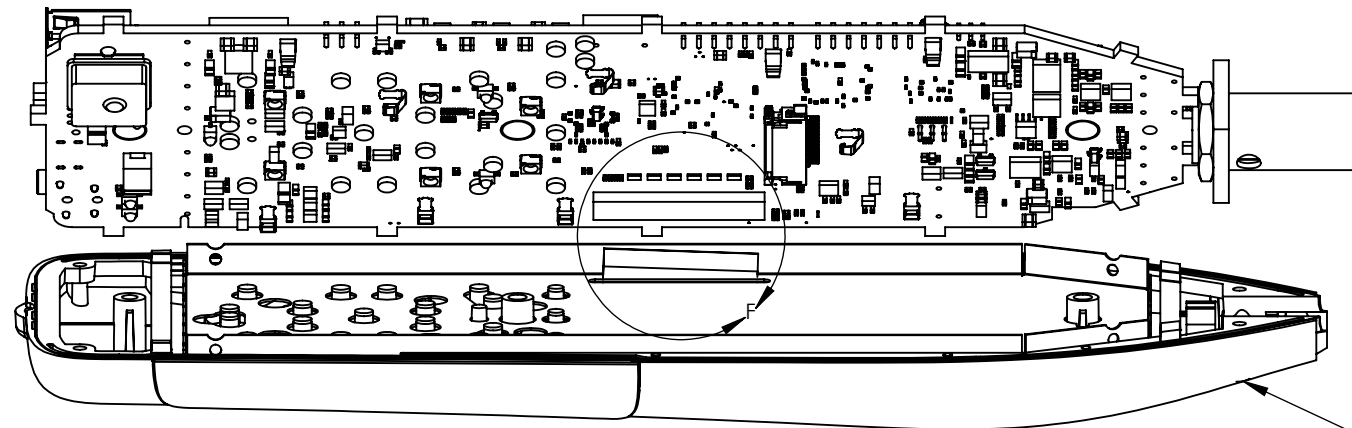
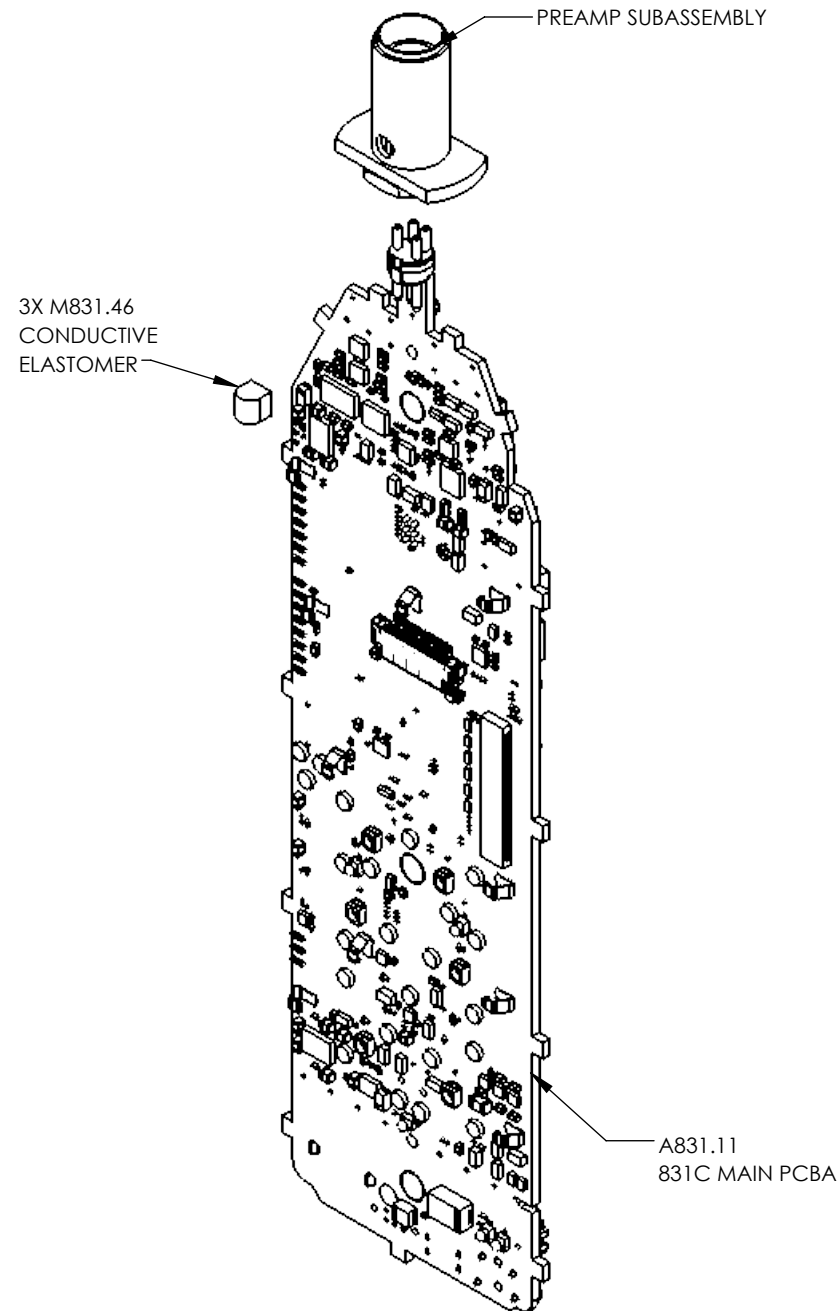


- NOTES:
1. INSTALL GASKET BATTERY DOOR INTO CASE BOTTOM SUBASSEMBLY.
 2. ADD FOAM (QTY 2) TO BATTERY DOOR. POSITION FOAM ON EACH SIDE OF RIB.
 3. PLACE THE BACK LABEL ON THE CASE BATTERY DOOR.
 4. PUT BATTERY DOOR IN PLACE. ENSURE THAT IT CLICKS SHUT WITH NORMAL PRESSURE AT TOP OF DOOR.
 5. LINE EDGES OF RIBBON CABLE HOLE WITH 1/4" POLYESTERTAPE AS SHOWN IN DETAIL G.
 6. PLACE CONDUCTIVE ELASTOMERS ONTO THE SHIELD TOP. ENSURE THEY ARE CENTERED IN THE MARKED LOCATIONS AND IN THE ORIENTATION SHOWN.
 7. PLACE FOAM ONTO THE SHIELD TOP IN THE MARKED LOCATION.
 8. ASSEMBLE THE COMPONENTS LOOSELY (NO SCREWS) AND RETURN TO STOCK AS S831C.02.

MAIN PCBA SUBASSEMBLY

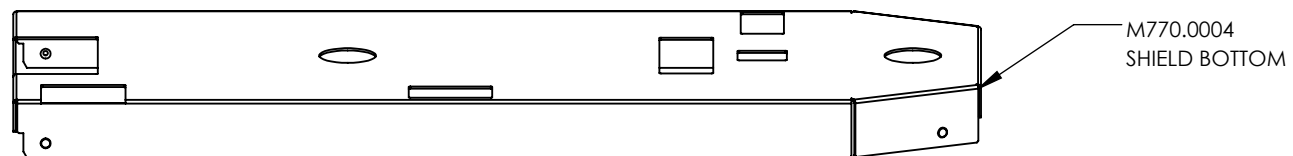
Notes:

1. REMOVE ADHESIVE BACKING AND APPLY CONDUCTIVE ELASTOMER TO CENTER OF GROUND PAD. WHEN ASSEMBLING, ENSURE CONDUCTIVE ELASTOMER DOES NOT SHORT TO ANY COMPONENTS.
2. PLACE SHIELD TOP INTO CASE TOP SUBASSEMBLY AND INSERT THE LCD CABLE THROUGH THE THE SLOT.
3. INSERT CABLE INTO THE PCB SOCKET AND ENSURE IT SEATS COMPLETELY. USE A THIN METAL RULER (OR SIMILAR ITEM) TO ENGAGE THE SOCKET LATCH SEE IN DETAIL F.
4. ASSEMBLE THE SHIELD TOP, PCB ASSEMBLY, AND BOTTOM SHIELD AND LOCK THE SHIELD TOP TO THE SHIELD BOTTOM WITH ALL 4 LOCK POSITIONS.

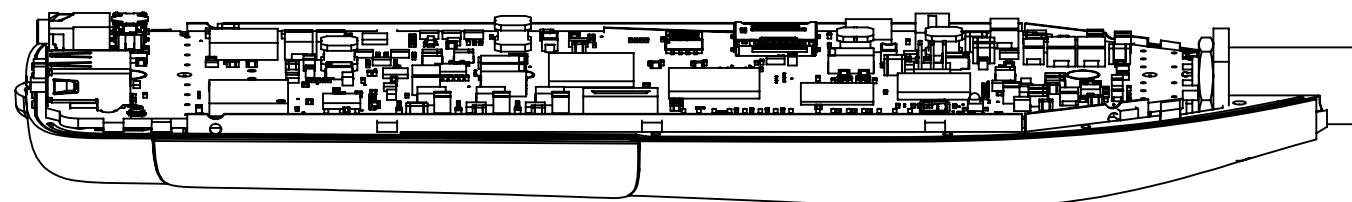


DETAIL F
SCALE 8 : 5

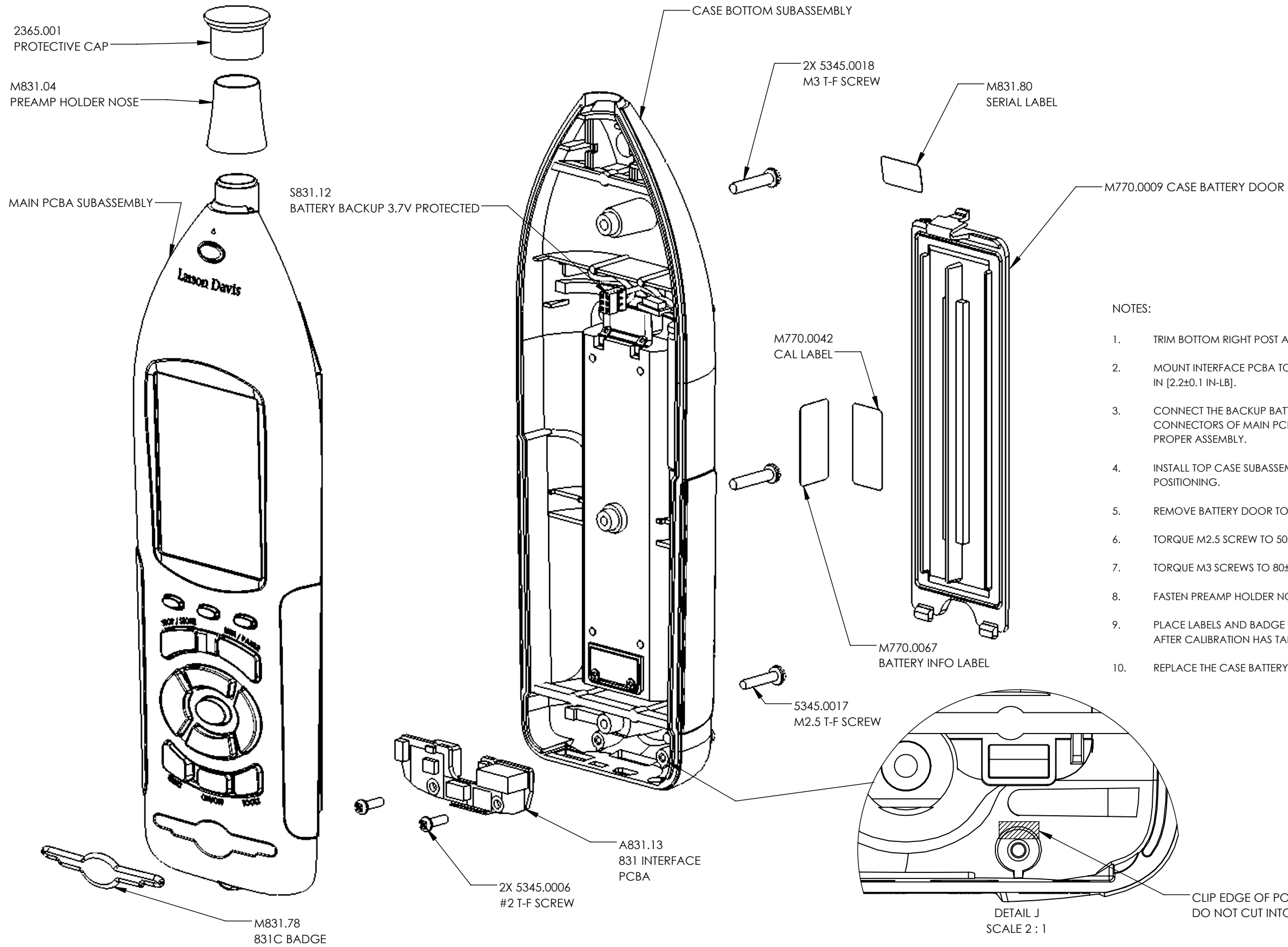
CASE TOP SUBASSEMBLY



M770.0004
SHIELD BOTTOM



STEPS AS PART OF THE S831C.01



NOTES:

1. TRIM BOTTOM RIGHT POST AT 45 DEGREES AS SHOWN IN DETAIL J.
2. MOUNT INTERFACE PCBA TO BOTTOM CASE WITH #2 SCREWS, TORQUE #2 SCREWS TO 35±2 OZ-IN [2.2±0.1 IN-LB].
3. CONNECT THE BACKUP BATTERY TO THE PCB. INSTALL BOTTOM CASE - BEGIN WITH BOTTOM CONNECTORS OF MAIN PCBA SUBASSEMBLY THROUGH OPENINGS IN CASE BOTTOM TO ENSURE PROPER ASSEMBLY.
4. INSTALL TOP CASE SUBASSEMBLY TO BOTTOM CASE SUBASSEMBLY. ENSURE PROPER GASKET POSITIONING.
5. REMOVE BATTERY DOOR TO EXPOSE THE CENTER SCREW LOCATION.
6. TORQUE M2.5 SCREW TO 50±2 IN-OZ [3.1±0.1 IN-LB].
7. TORQUE M3 SCREWS TO 80±8 IN-OZ [5.0±0.5 IN-LB].
8. FASTEN PREAMP HOLDER NOSE ONTO PREAMP HOLDER AND TIGHTEN.
9. PLACE LABELS AND BADGE INTO RESPECTIVE POCKETS; THE CAL LABEL SHOULD BE PLACED AFTER CALIBRATION HAS TAKEN PLACE.
10. REPLACE THE CASE BATTERY DOOR.