

Product End of Life Information

Product: Schoolboard and Interwrite Board (Models 1040, 1050, 1060, 1071, 1077, 1085, 1095)

Purpose:

This document is provided to inform and guide the recycling process of our products as required by the EU WEEE Directive 2002/96/EC. This document identifies components and materials under the WEEE directive and it contains the proper method for disassembling this product.

Product Disassembly Instructions:

Disassembly instructions provide the steps necessary to be able to separate each part and component. Disassembly instructions also describe the tools necessary to take the product apart.

Product Material Information:

The following parts, components, and substances should be disposed of or recovered separately from other WEEE in compliance with the EU Directive 2002/96/EC.

Batteries- Pen: Contains one Nickel Metal Hydride battery (1/3 AAA)
Dual Mode Pen & Interactive Pen: Contains one AAA alkaline battery

This product does not use internal batteries based on mercury, cadmium, lead or their compounds.

Mercury- Parts used in Interwrite Learning products do not contain intentionally added mercury.

Liquid Crystal Displays (LCD > 100 cm²) - Product does not contain an LCD.

Cathode Ray Tubes (CRT) - Product does not contain a CRT.

Plastics-

This Product may contain plastic parts greater than 25 grams. Many of the parts are bromine free however they are labeled (molded directly into the plastic) per ISO 11469:2000 (E).

Typical marking format is: >Polymer Abbreviation – FR (#) <

For example: > PC + ABS FR (40) <

The following parts are not marked:

Rechargeable Pen: -Outer shell (30), Cap (31), and Switch Button (32) are
>ABS<

-Inner Housing (33) and White Spacer (40) are Acetal
>POM<

Interactive Pen: -All parts are >ABS< except the pen tip (30) which is nylon >PA66< and the pen tip holder (24) which is Acetal >POM<

Dual Mode Pen: Front Half: All parts are >ABS<

Back Half: All parts are >ABS< except, the Actuator (22) and latch (20) which are Acetal >POM< and the soft tip (23) which is >SEBS<

Capacitors with PCBs- Interwrite Learning does not use capacitors containing PCBs.

Electrolyte Capacitors (height or diameter > 25mm)- Electrolyte Capacitors (height or diameter >25mm) are not present in this product.

Asbestos and its compounds- Parts used in Interwrite Learning products do not contain asbestos and its compounds.

Radioactive Substances- Parts used in Interwrite Learning products do not contain radioactive substances.

Beryllium and its components- Beryllium may be present in electronic components as a copper beryllium alloy, which contains less than 2% beryllium. CuBe alloys may be used in various components such as connectors, switches, relays, current carrying springs, integrated circuit sockets, and RF shielding.

Gases - Parts used in Interwrite Learning products do not contain hydrocarbons or any gas that falls under Regulation (EC/2037/2000).

Components with Pressurized Gas- Product does not contain parts with pressurized gas.

Liquids- Product does not contain liquid.

Recycling Note: The four extrusions that make up the frame of the board as well as the pan in the back are aluminum.

Disassembly Instructions:

Schoolboard

Tools Needed:

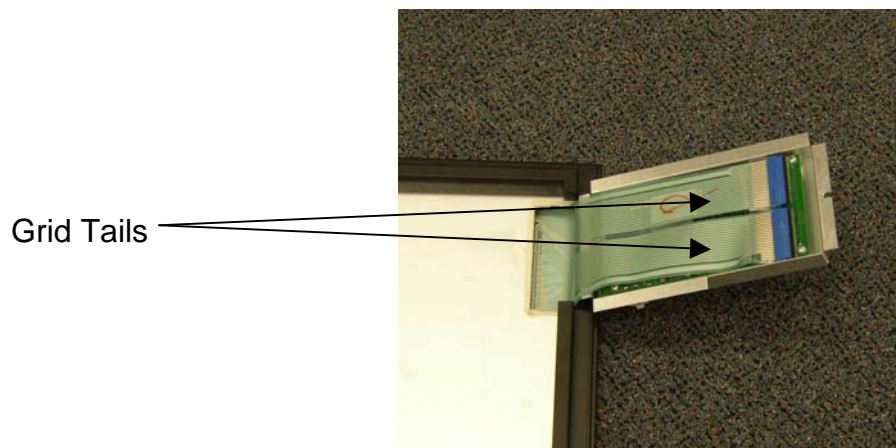
- Screwdriver
- Drill
- Dremel Tool
- Hammer
- Hand File
- Punch

Instructions:

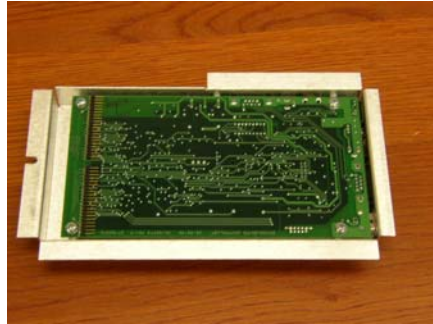
1. Unscrew the Controller Box from the back of the board.



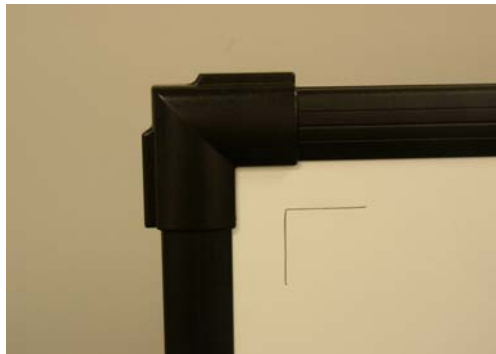
2. Disconnect the Grid Tails from the controller box.



3. Unscrew the PCB from the controller box.



4. Remove the screws from the back of the extrusions (between 3-6 screws depending on the model).
5. Snap off the corner pieces of the frame.



6. Take the pop-rivets out of the frame. Note: To remove pop rivets, use a drill to drill through the pop-rivets or use a dremel tool to grind down the head and then use a punch to dislodge the remaining portion of the rivet.



7. Remove the frame extrusions from the schoolboard.



At this point the aluminum pan, cardboard core, Mylar grid, and Formica surface can all be individually separated. However, the layers are held together by a very strong PSA adhesive. The aluminum pan is the easiest part to remove and is readily recycled. Most likely the remaining layers will not come apart in one piece. You may want to weigh the recycling value against the effort required to separate these parts. The Mylar grid contains approximately 40g of silver in the form of conductive ink, which can be recovered.

Note: The board may be clamped down to a table so that each layer can be more easily separated.

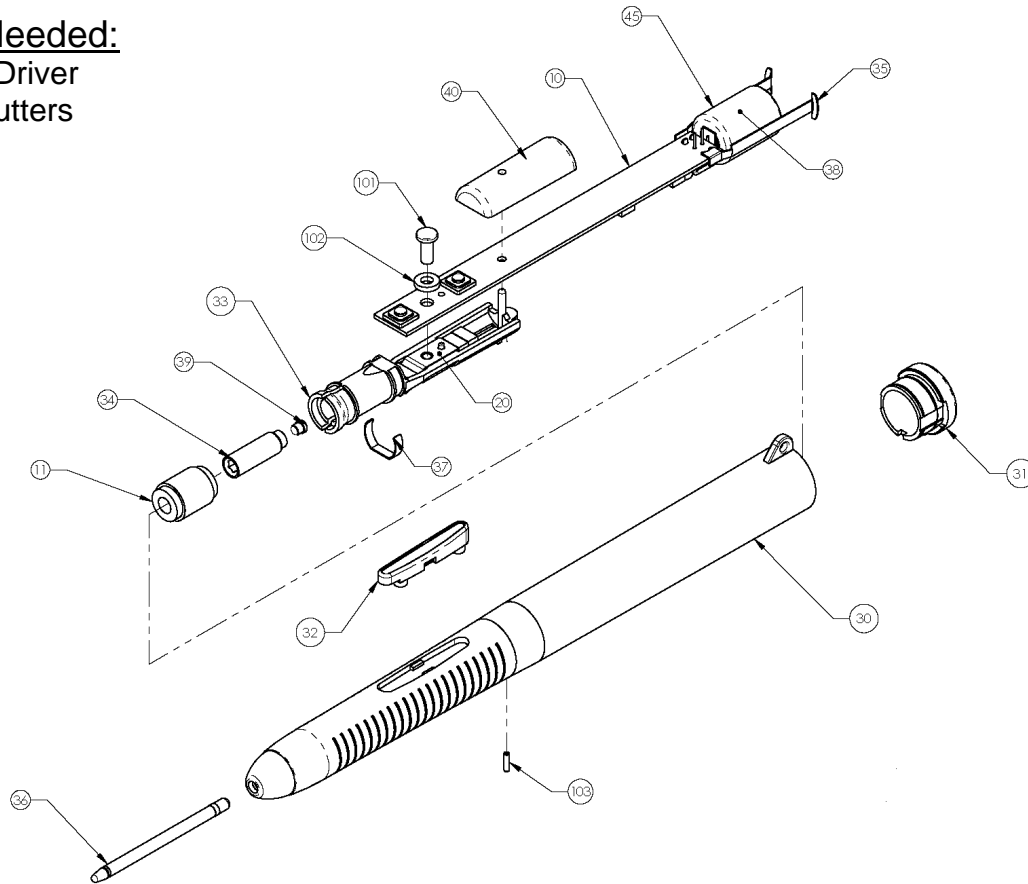


Disassembly Instructions:

Cordless Pen

Tools Needed:

- Screw Driver
- Wire Cutters
- Pliers



Instructions:

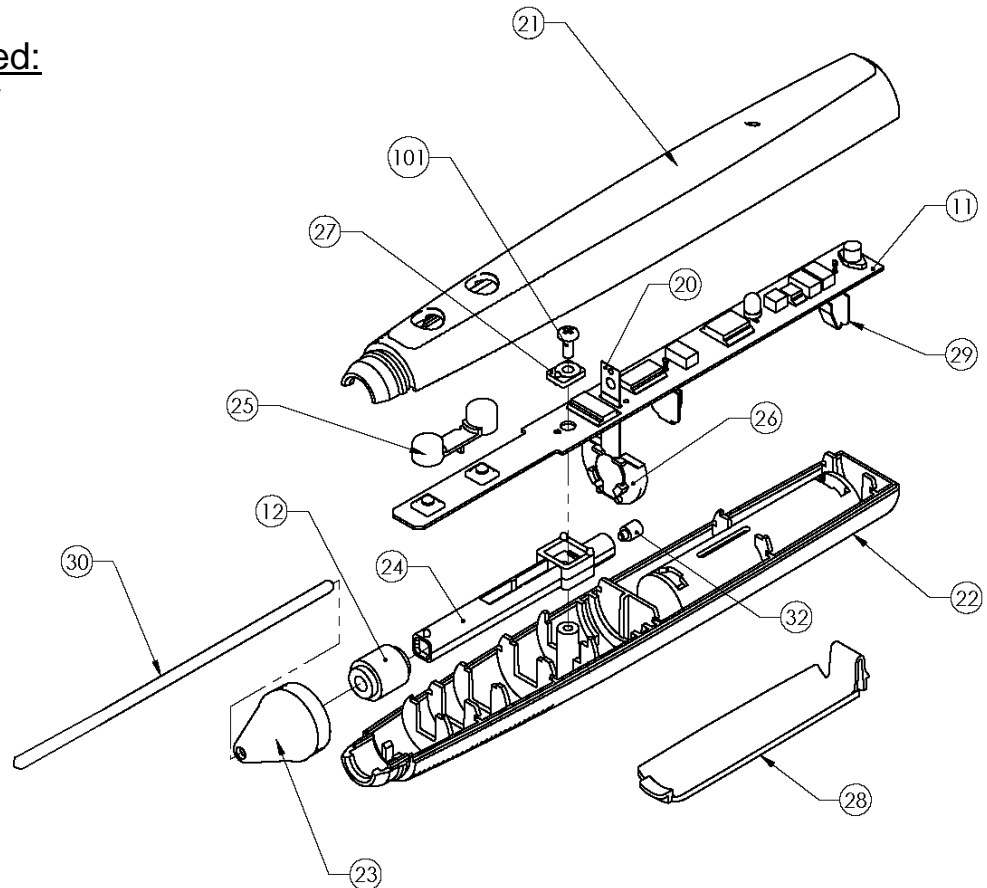
1. Use pliers to pull the top cap (31) off of the pen.
2. Use a screwdriver to snap the switch (32) out of the housing.
3. Remove pin (103) by cutting away the plastic with wire cutters.
4. Depress the latch on the bottom side of the pen.
5. Pull the PCB from the housing.
6. Unscrew the PCB and pull the wire bobbin (11) off the housing (20) to isolate the PCB.
7. Pull the tip out from the pen (36).
8. Remove metal clip (37) from the inner housing and then take off the plastic sensor.
9. To remove the battery, cut the wire holding it to the PCB.

Disassembly Instructions:

Interactive Pen

Tools Needed:

- Screw Driver
- Pliers



Instructions:

1. Remove Battery cover (28) from the back of the pen and take out the battery.
2. Snap off the tip cover (23) from the pen.
3. Snap the housing shells (21&22) apart.
4. Remove the button piece (25).
5. Take the pen tip (30) out of the housing.
6. Unscrew the PCB from the shell and snap the battery clips out of the battery well to remove the PCB.
7. Take out the tip holder (24) from the bottom shell.
8. Remove the tip sensor (20) from its holder (26).

Disassembly Instructions:

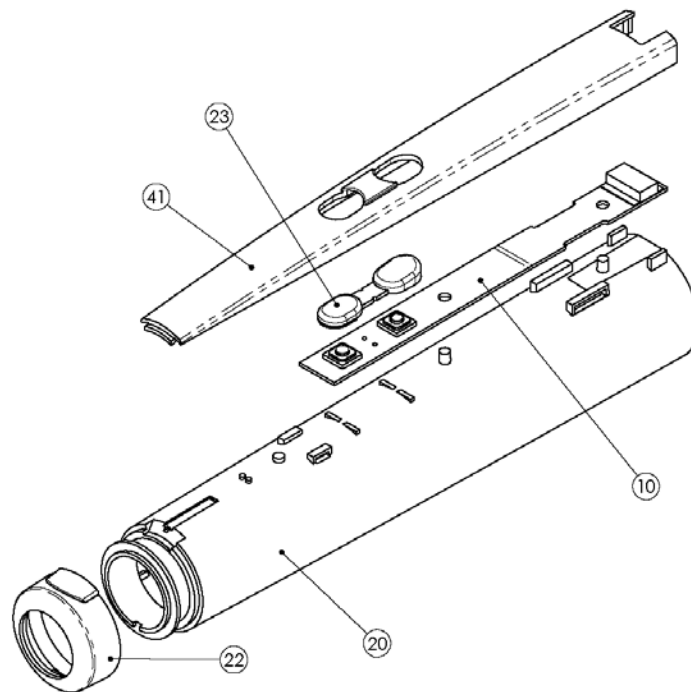
Dual Mode Pen

Tools Needed:

- Screw Driver
- Pliers

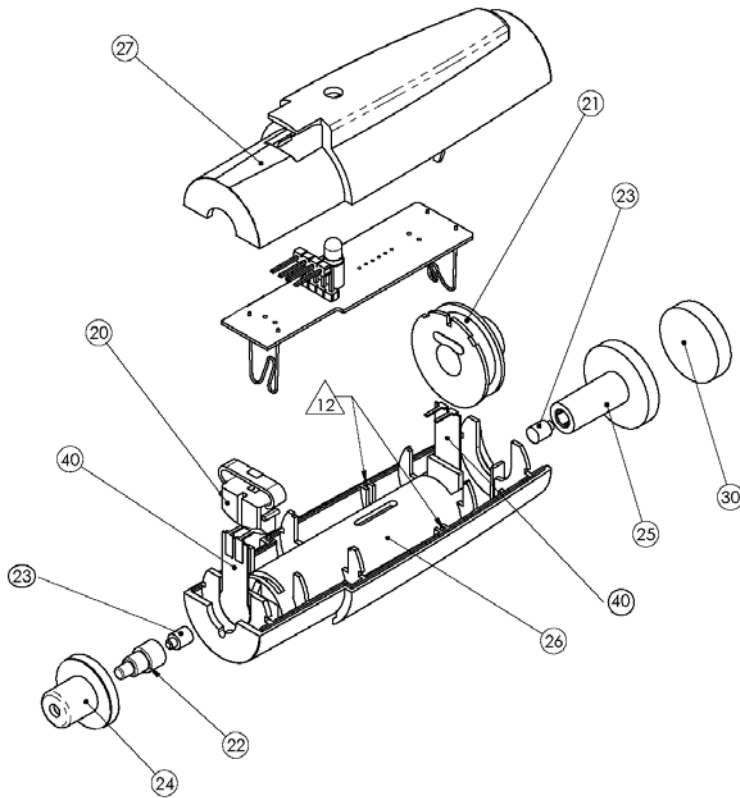
Instructions:

1. Depress the latch on bottom side of pen and separate the pen into two halves.



Front Half

2. Snap off the front cap of the pen (22)
3. Separate the top shell (41) and the front housing (20) by snapping them apart.
4. Remove the button caps (23)
5. Remove the PCB and unwind the red wire from around the tip.



Back Half

6. Remove battery cover from the backside of the pen and remove the battery.
7. Remove the eraser on the back end of the pen (25/30)
8. Separate the two shells of the housing (26/27)
9. Remove plunger (22-24) from the bottom shell.
10. Take out the latch (20)
11. Push the battery clips out of the battery well and remove the PCB.
12. Remove the wire bobbin (21) from the bottom shell.