

End of Life Plan
for Kodak i5x50 Series
Scanners

Compositional Analysis

This compositional analysis applies to the Kodak i5x50 Series Scanners. The following table identifies the location of materials that need special treatment by recyclers.

Material of concern	Present in part?	Describe Specific Component and/or location
External Battery	no	
Internal Battery	yes	Button cell CR 2032 on image processing board located in the Electrical box.
Asbestos	no	
Backlighting lamps	no	
Beryllium Oxide	no	
Other forms of Beryllium	no	
Cadmium	no	
Capacitors with PCB's	no	
Capacitors with substances of concern and height > 25 mm, diameter > 25 mm or proportionately similar volume	no	
Chromium VI	no	
Gas discharge lamps	no	
Lead (In accordance with EU RoHS exemptions)	no	
Printed Circuit Boards >10 square centimeters, <u>see instruction below for removal</u>	yes	<ul style="list-style-type: none"> • Power Supplies. • Electrical Box • LED control PCB • Scan module PCB.
Liquid Crystal Displays with a surface area > 100cm ²	no	
Mercury	no	
Plastic containing brominated flame retardants	no	

PVC/PVDC	yes	Wire insulation, USB and power cable insulation -connectors - plugs
Radio-active substances	no	
Refractory ceramic fibers	no	
Compartments / units / parts under pressure	no	
Compartments / units / contain liquids	yes	possible front imprinter unit with ink cartridge
Compartments / units / contain gasses	yes	Gas shocks to lift the pod
Compartments / units / contain "Hidden" mechanical springs or other equivalent parts	no	
Lasers	no	

Model i5250, i5250V, i5650, and i5650V, i5650S

Figures 1 - 4; Remove covers as shown.

Figure 1

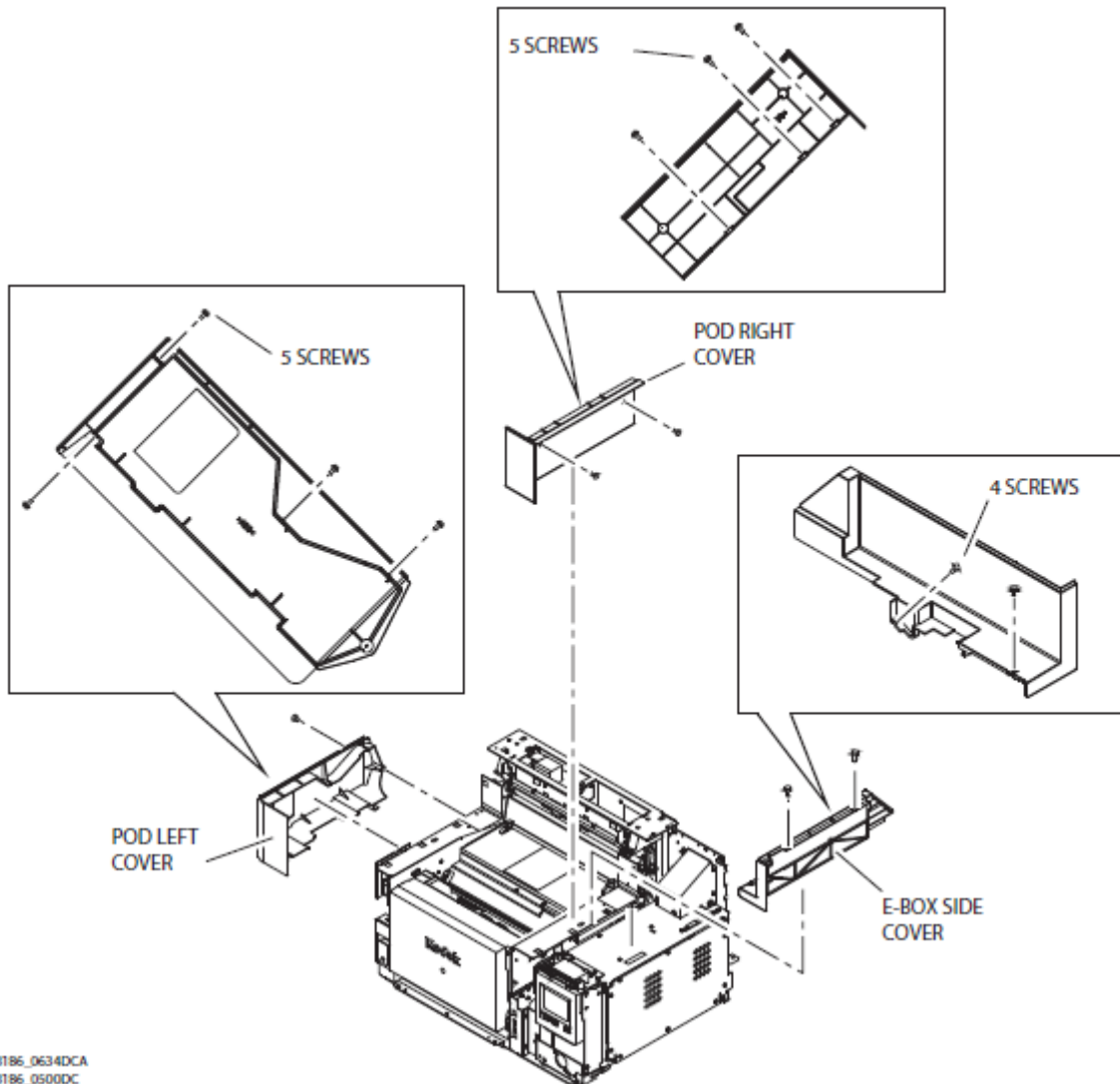


Figure 2

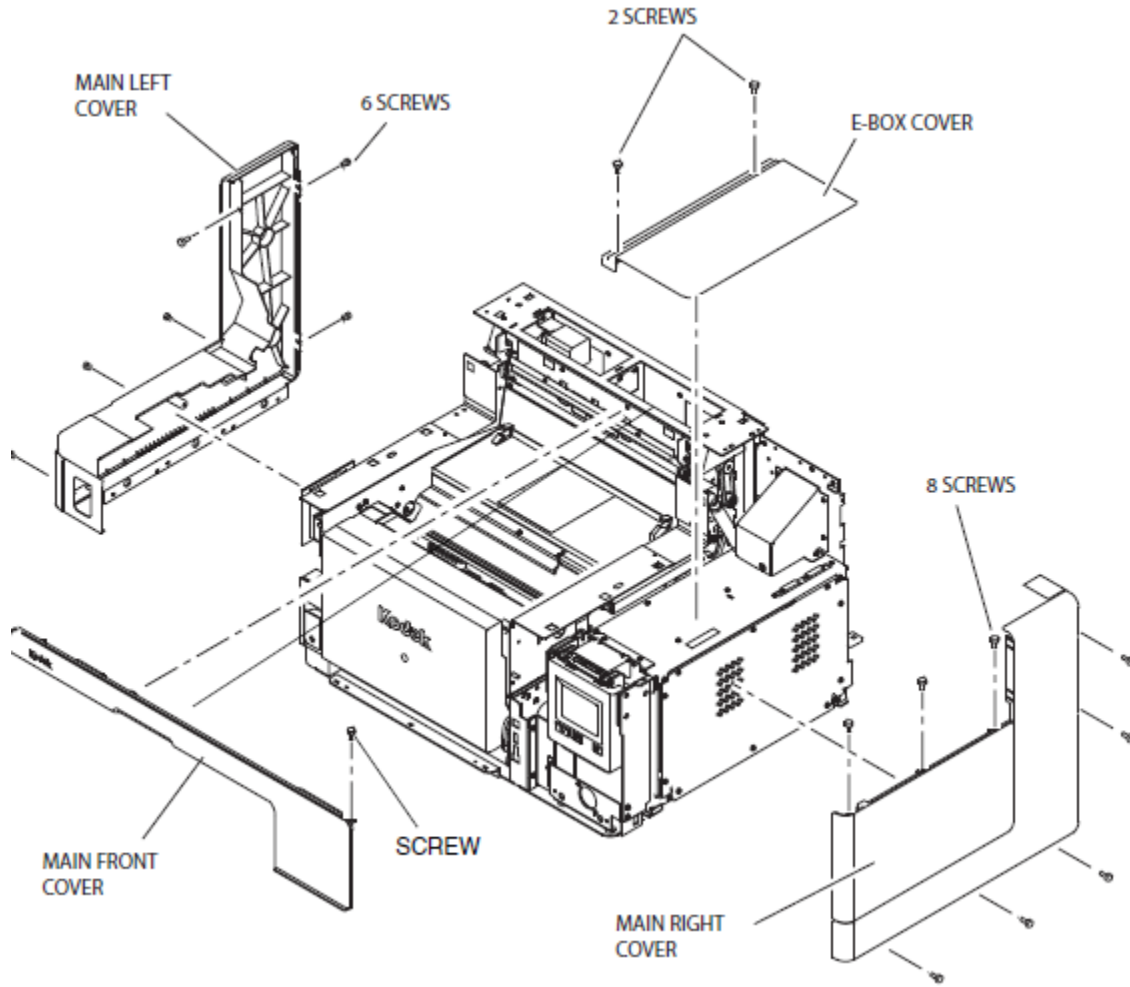


Figure 3.

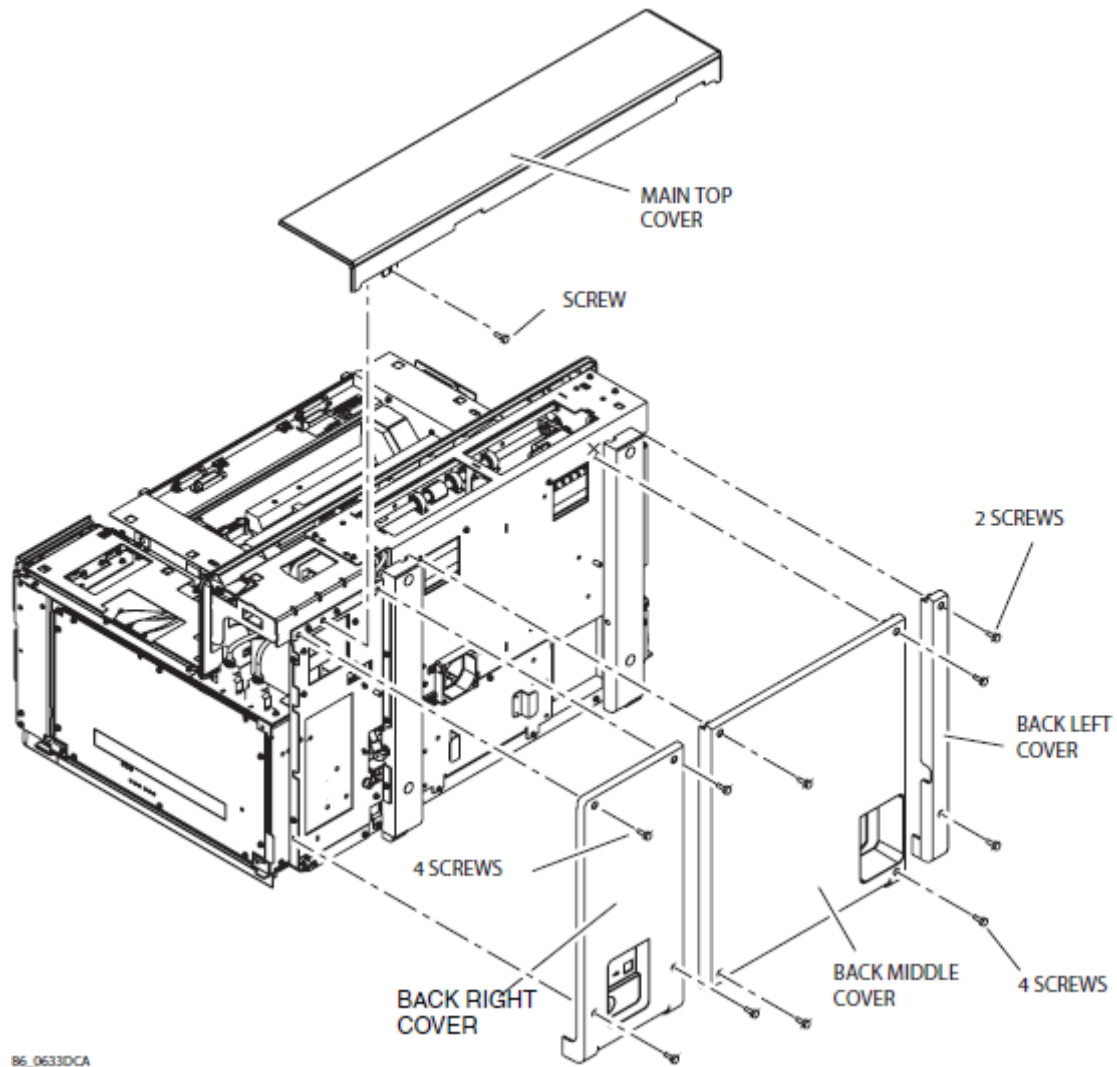


Figure 4

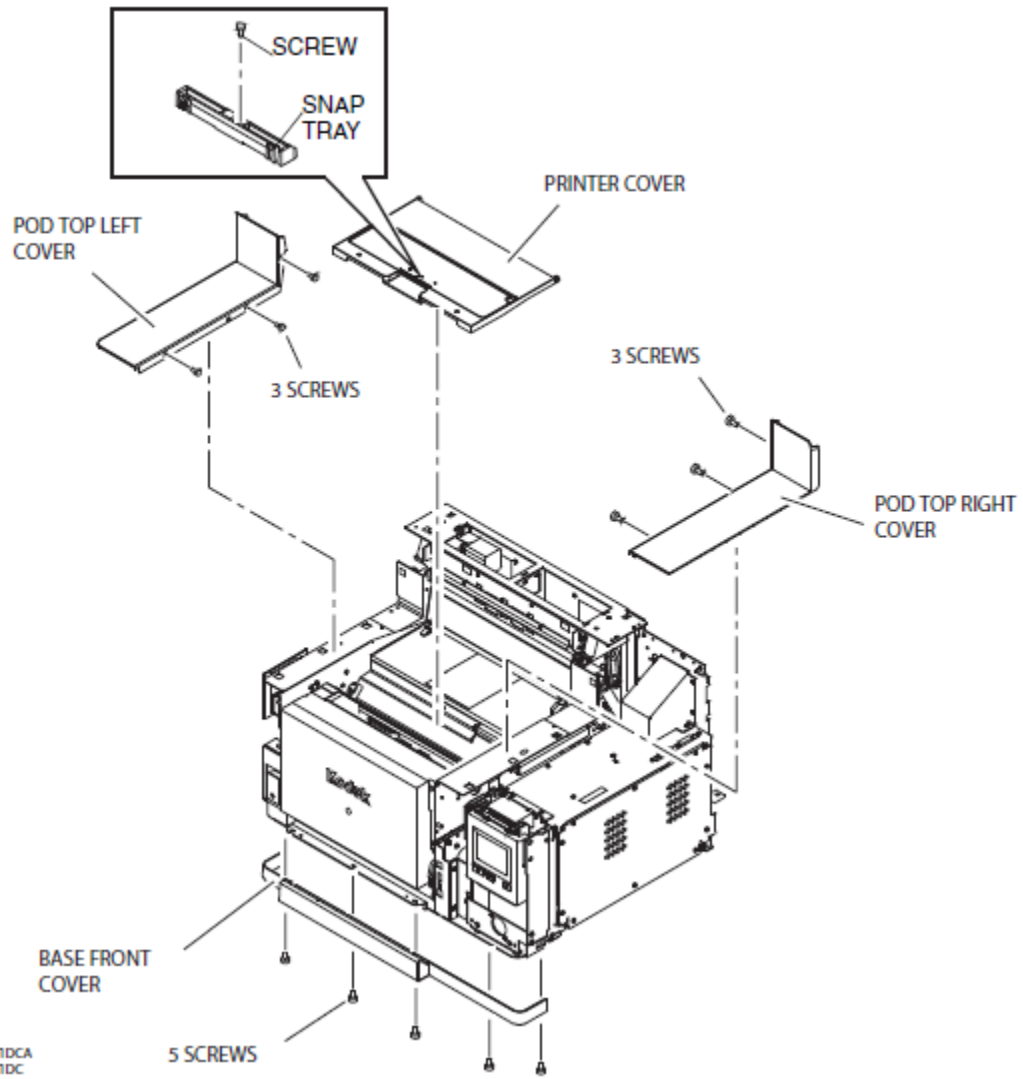


Figure 5. Remove power supplies

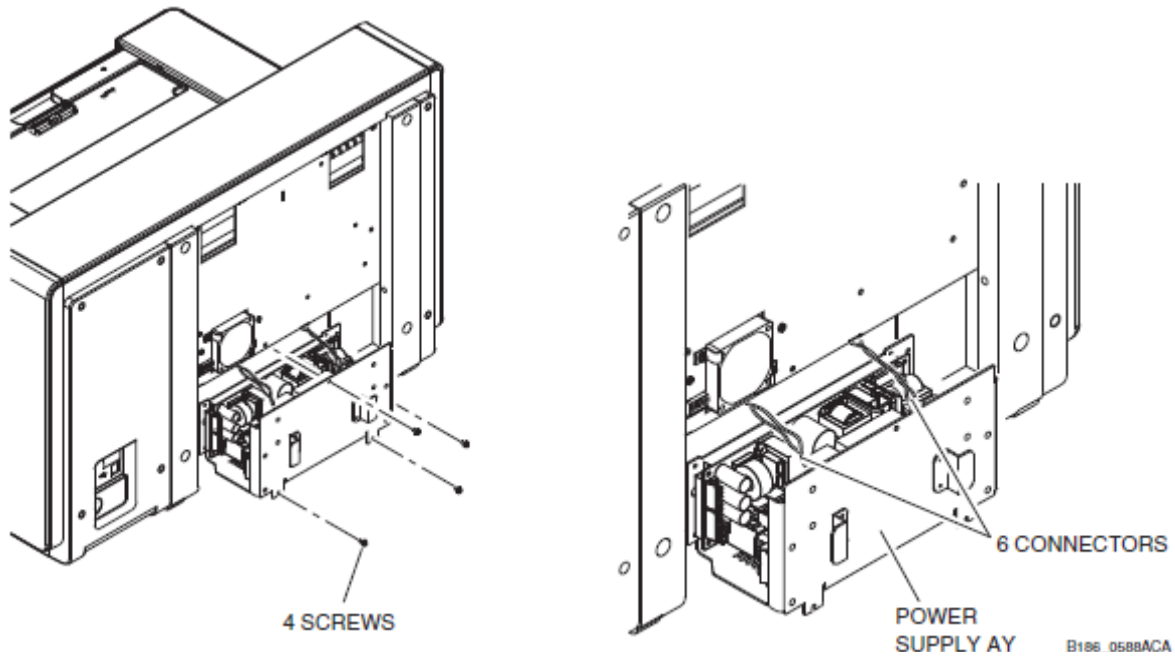


Figure 6 Remove Electrical Box containing several printed circuit boards.

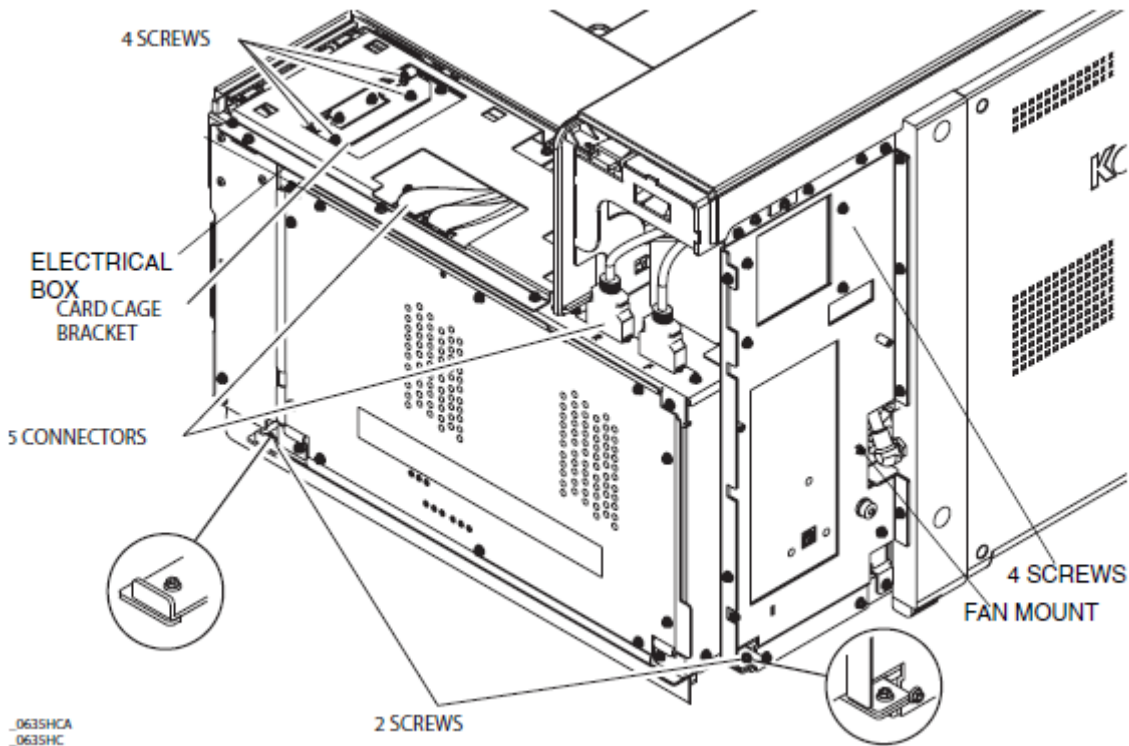


Figure 7 i5850, i5850S Scanner, remove power supplies

Remove base inner cover (4 screws) and outer cover, (4 screws)

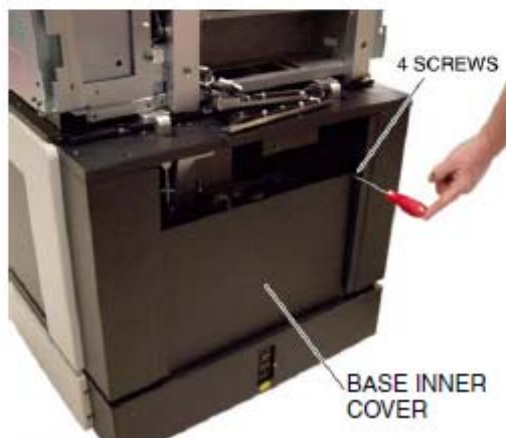
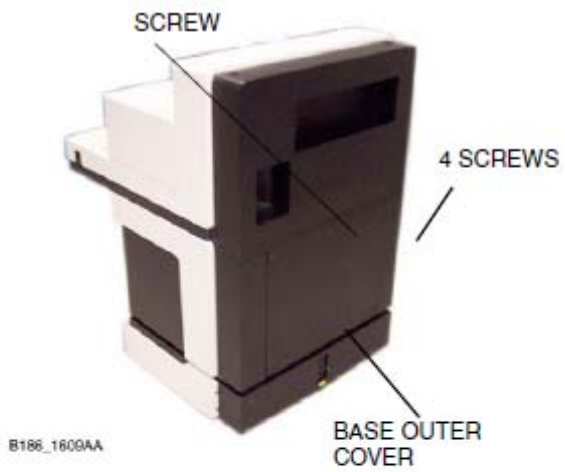


Figure 8 Remove power supplies in base of scanner.

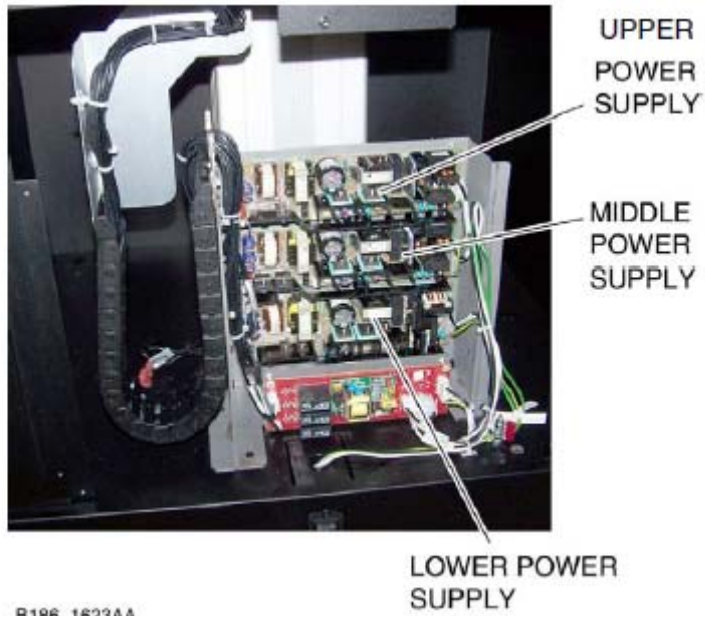


Figure 9, 10, 11 - Accessing and removing upper Scan module. If the printer accessory is installed, remove wire tie, disconnect printer cable and slide to the left.

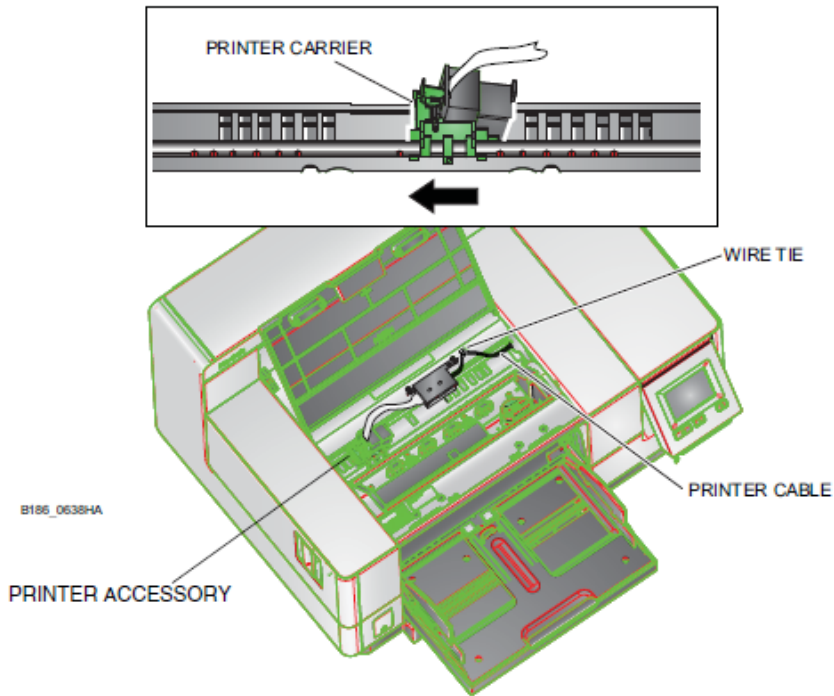


Figure 9

Figure 12



Figure 13 Remove scan module by removing 3 clips, Scan Module PCB is attached.



Figure 14 and 15 - Remove lower scan module with lower scan module PCB. Rotate scanner on its back and remove cover exposing lower scan module.

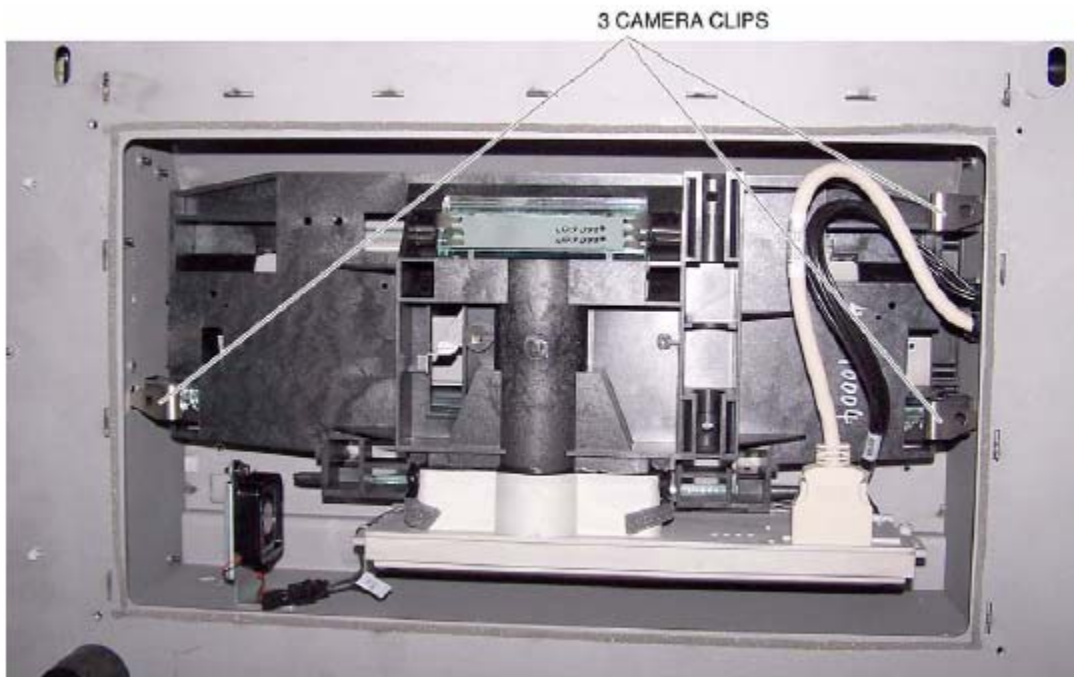
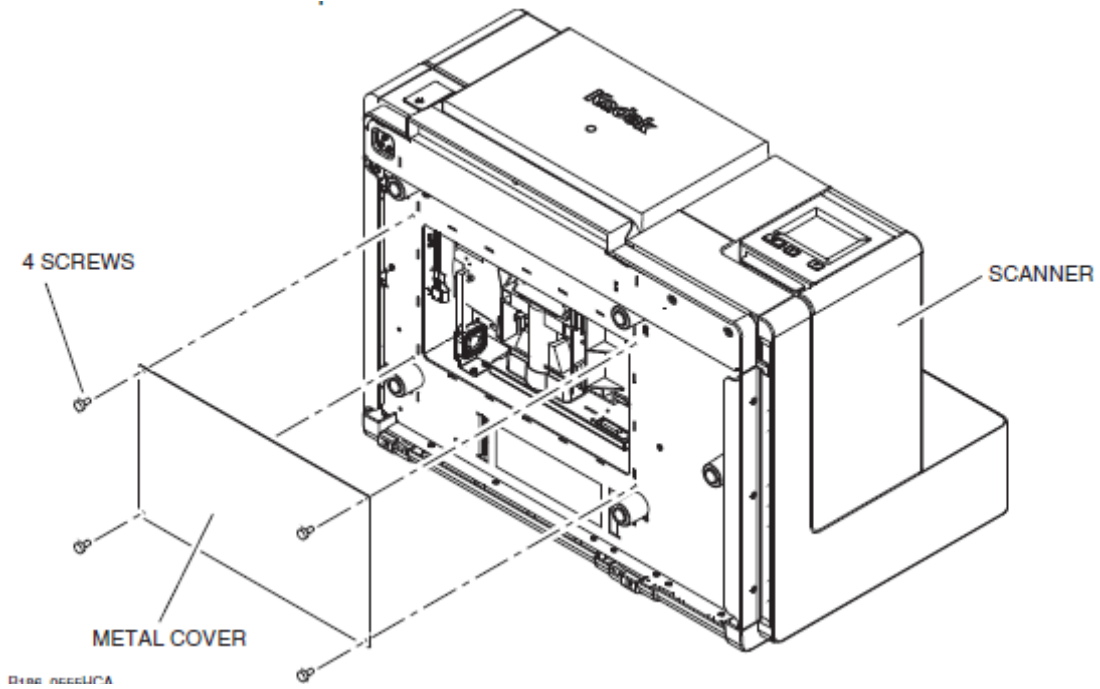


Figure 16 - Removing lower scan module i5800. Complete removal by going back to figures 12 and 13.

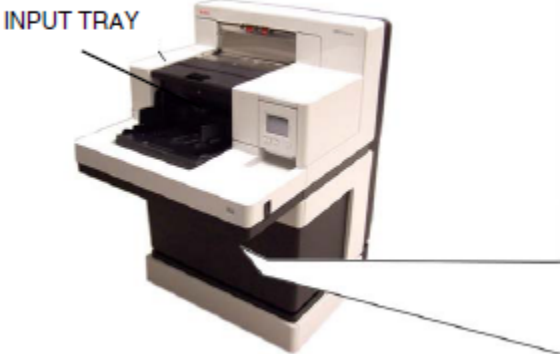
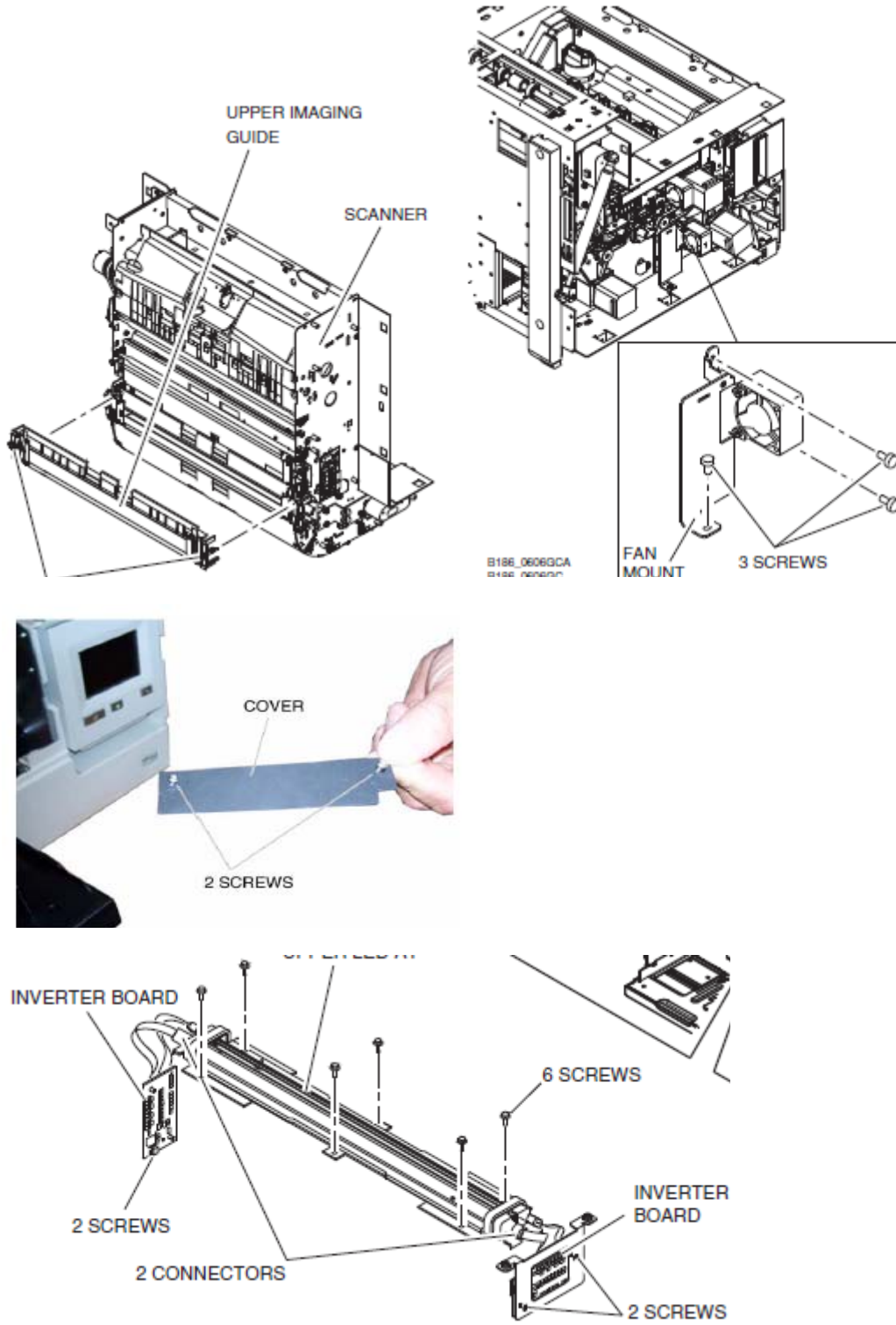


Figure 17 – removing LED driver boards. These are located on each side of the pod assembly for the upper LED array and on each side of the base for the lower LED array. Remove the Imaging guides on the pod side and base side using the knurled thumbscrews on each side. Only showing upper guide removal. Lower LED removal requires the fan amount removed as shown and a plate.



EOL Strategy

The product EOL strategy will be based on market needs, regulations, financial impact, etc. For example, the WEEE Directive in the European Union requires that a collection and treatment infrastructure is in place to manage products at end-of-life. This obligation is met through membership in a variety of governmental and industry-led collection schemes, as well as strategies developed specifically for Kodak Alaris products. Strategies such as re-use, re-conditioning, strip and salvage, responsible disposal, etc. can vary by region and change with time.

Regulatory Requirements

The hazardous materials that are contained within this product need to be handled in compliance with the local requirements when discarded by the final user and sent for end-of-life treatment.

For recycler processes; substances, preparations, and components may be removed manually, mechanically, or chemically, metallurgically with the result that hazardous substances, preparation, components are contained in an identifiable waste stream or identifiable part of a waste stream at the end of the treatment process.

- Batteries must be processed by vendors capable of and experienced in recovering and recycling lead, acid, cadmium, nickel, copper, zinc, and other metals present in batteries.
- LCDs (liquid crystal displays) must be processed by vendors capable of and experienced in recovering mercury in backlights.
- PC (printed circuit) boards must be processed by a smelter (or other thermal process) capable of, and experienced in, recovering precious metals (gold and so forth) and heavy metals (lead and so forth) for reuse or by a chemical recovery process. Circuit components may be extracted for reuse prior to smelting.
- Plastics should be recycled for use in new products, components and materials, as substitutes for other raw materials, or recycled in another beneficial manner. When recycling is not economically practical, plastics should be processed for energy recovery at a facility that is designed to control and monitor emissions from the process.
- Printing supplies collected as part of hardware recycling (for example, a print cartridge present in a printer at the time of its collection): print supplies must be recycled or disposed of in an environmentally responsible manner compliant with local applicable laws and regulations.
- Metal (other than in PC boards): Acceptable processing includes liberation of metal items (manually or mechanically), volume reduction for transport (shredding, baling, and so forth), and refining by smelters or foundries (or similar) for the purpose of preparing the metal for reuse. The smelter should be capable of capturing all of the following for reuse: copper, precious metals (such as gold and silver); steel and aluminum; and, for CRT devices, lead.
- Incineration: If lead-bearing electronic components (such as circuit boards), batteries, polyvinyl chloride (PVC) plastics, mercury lamps, or any material classified as hazardous waste under applicable regulations are disposed of by incineration, the incinerator must meet 99.99% destruction removal efficiency (DRE) for all regulated hazardous contaminants and 99.9999% DRE for dioxins.

The following regulations/directives apply to these products.

WEEE

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As per WEEE requirements the equipment is labeled with the dustbin symbol.

,1-1Iæ°E11#1Iæ°°1-1æ ~I3¹#1.#I3°-æ ~1-#°E1E¹¹#

When the last user wishes to discard this product, the information that will guide the customer's action will be available on-line. The disposal information will be made available to the recycler through instructions via Kodak Alaris website.

Information provided to the user in the User Manual includes the meaning of the dustbin symbol, instructions not to dispose as unsorted municipal waste, available collection system and their role in contributing to WEEE goals and potential environmental and health effects as a result of the presence of hazardous substances.