



HPR260XD[®]

Recycling instructions



Introduction and purpose

The HPR260XD consists of recyclable and reusable parts. Use these instructions to disassemble the HPR260XD for recycling and reuse.

Before you begin, designate bins for the following three recycling categories:

- E-waste
- plastics
- mixed metal

You can salvage items like the fan shroud, air filter, power switch, heat sink, capacitors, power cord, transformer, inductors, and resistors for resell to an online market if they are in working condition. This document suggests where you can resell and reuse these salvageable items. Generally, the repurpose price is more than the value in scrap. Because scrap prices fluctuate almost daily, there is an incentive to recycle and repurpose rather than dispose of these components in landfills.

Tools and materials needed

			WARNING
Disconnect electric power before doing installation or maintenance. You can get a serious electric shock if electric power is not disconnected. Electric shock can seriously injure or kill you.			
All work that requires removal of the plasma power supply outer cover or panels must be done by a qualified technician.			
Refer to the <i>Safety and Compliance Manual (80669C)</i> for more safety information.			

The HPR260XD disassembly can be accomplished with basic hand and power tools that are readily available worldwide.

- Wrench – 33 mm, 5/16 inch, 3/8 inch, 1/4 inch, 1 inch
- Socket – 13 mm, 17 mm, 5/16 inch, 7/16 inch, 9/16 inch, 3/8 inch
- Screwdriver – Phillips[®] head
- TORX[®] driver – T20, T25
- Tin scissors – to cut band on transformers and inductors
- Wire cutters

Example scrap values for U.S. markets, 2021

Disclaimer

Most of the components in the HPR260XD system can be recycled at your local recycling facility, but the average price per pound or ton for these components varies based on geographic location. International customers should note that categories for recyclables are country-specific and may be different than the ones listed below. All prices are listed in U.S. dollars and represent the average national scrap values at a specific moment in time.

Total value

- Total weight of unit = 24.75 pounds

End market category	National average scrap value (U.S.)	
	(\$ per pound)	(\$ per ton)
Aluminum	\$0.50 – \$0.88	
Plastic	\$0.10 – \$0.58	
PCBs	\$0.50 – \$1.16	
Brass	\$1.34 – \$1.90	
Scrap copper	\$2.77 – \$3.34	
Power cords / Wires	\$0.72 – \$1.08	
Transformers	\$0.24 – \$0.48	
Mixed metal (ferrous)		\$1.90 – \$2.05

HPR260XD systems

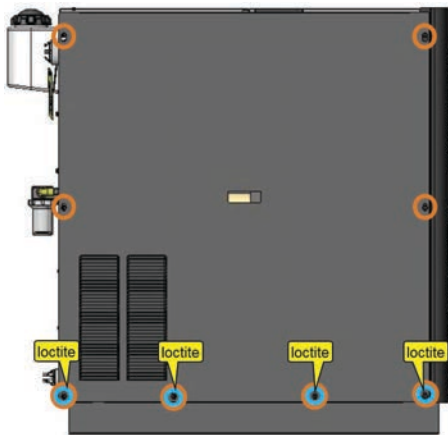
Step 1

Unplug the system from the power outlet and wait five minutes to allow all the stored energy to discharge before proceeding to Step 2.

Step 2

Remove the nuts using a 3/8 inch socket.

Discard the nuts into the mixed metal recycling stream.



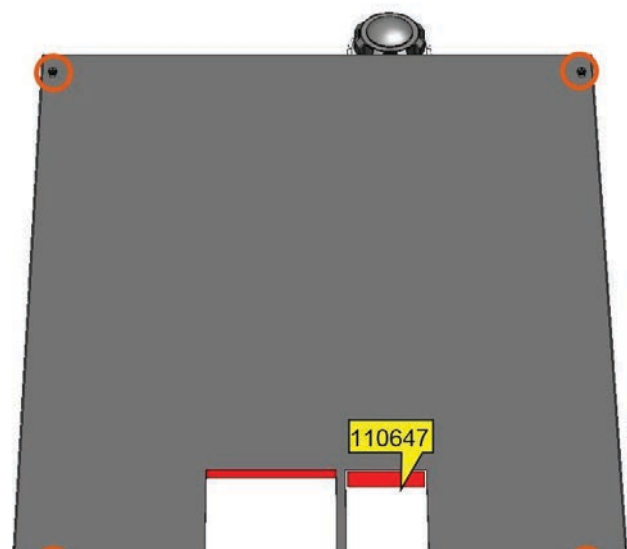
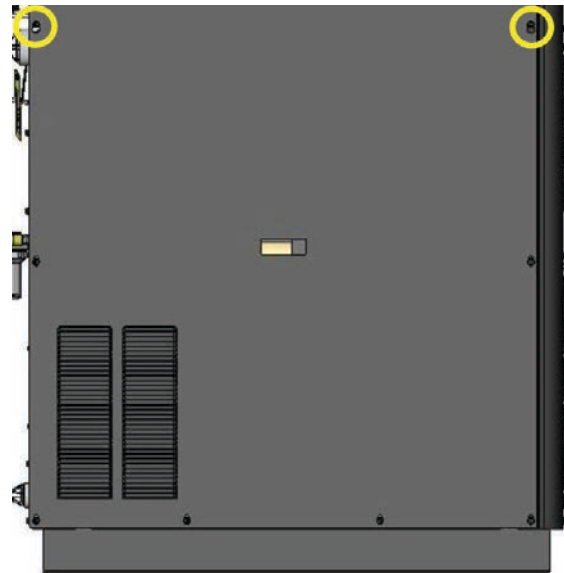
Note: There is no need to remove the wire. You can optionally recycle it into the mixed metal recycling waste stream.



Step 3

Remove the nuts from the other side of the unit by using a 3/8 inch socket.

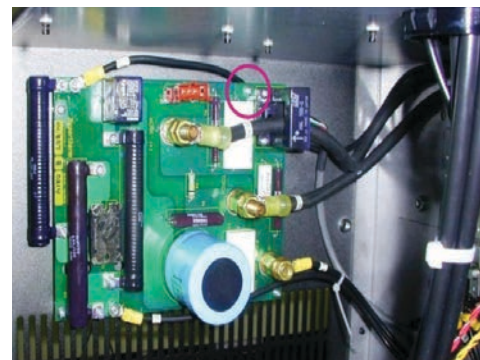
Discard the nuts into the mixed metal recycling stream.



Step 4

Remove the power supply and the cables.

Discard the power supply into the E-waste recycling stream. Discard the cables into the mixed metal recycling stream.



Step 5

Remove the screws and bolts using a Phillips screwdriver and the 13 mm and 17 mm sockets. Cut all the cable ties.

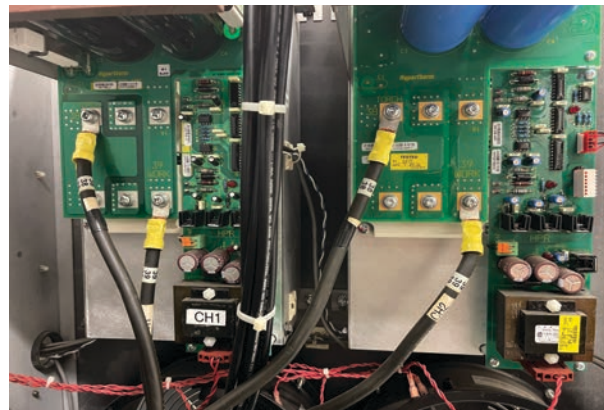
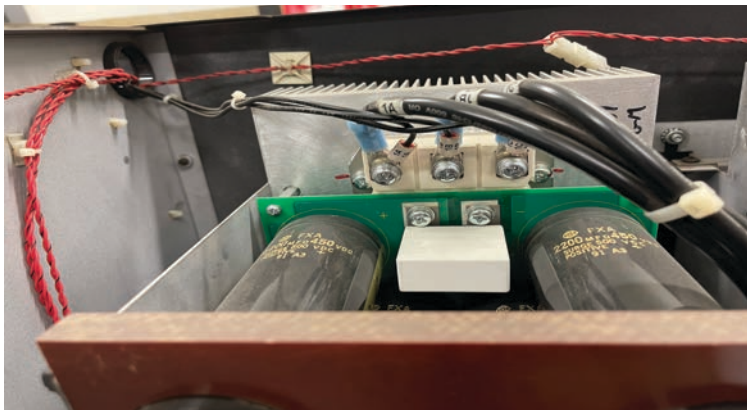
Discard the screws and nuts into the mixed metal recycling streams. Discard the cable ties into the plastic recycling stream.



Step 6

Remove the screws, nuts, and bolts using a Phillips screwdriver, the 13 mm and 17 mm sockets, and the T20 TORX driver. Cut all cable ties.

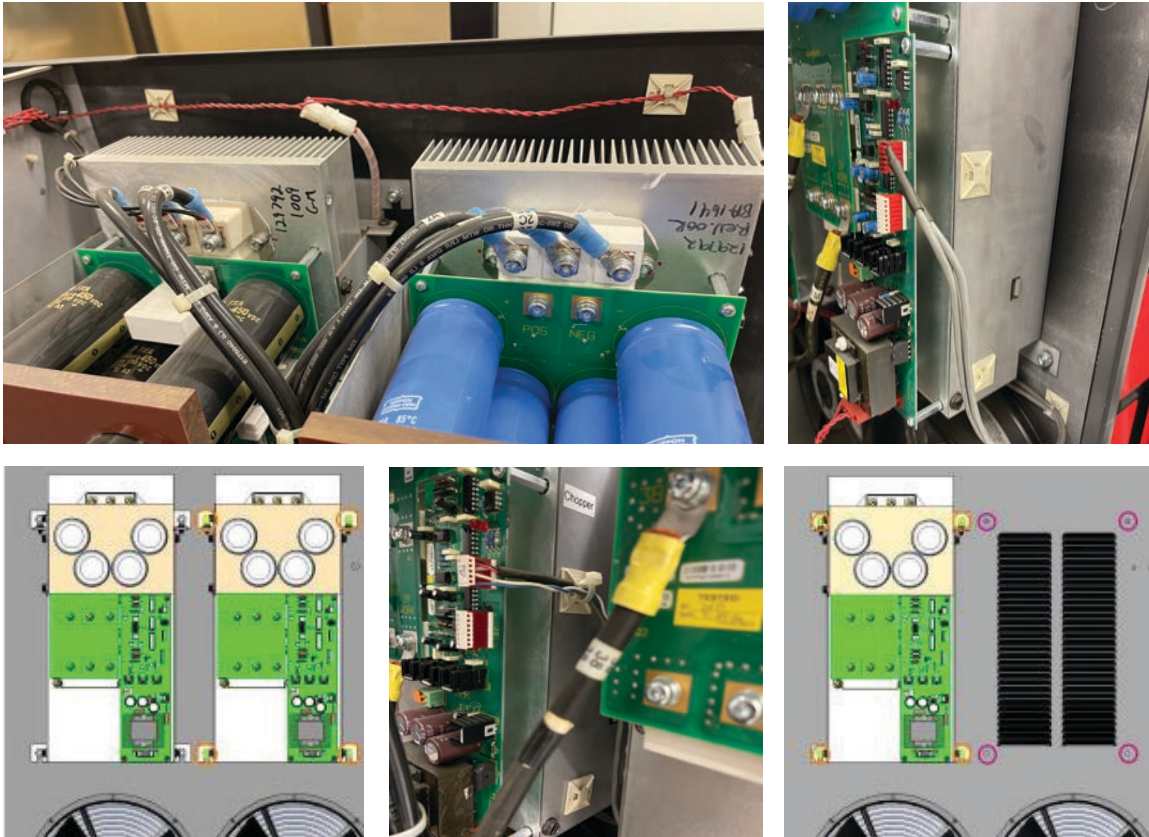
Discard the screws, nuts, and bolts into the mixed metal recycling stream. Discard the cable ties into the plastic recycling stream.



Step 7

Remove the wires from the plastic cable holders by pulling to remove the wires from their connectors. Remove the screws with a 7/16 inch socket. Cut all the cable ties from wire to tab.

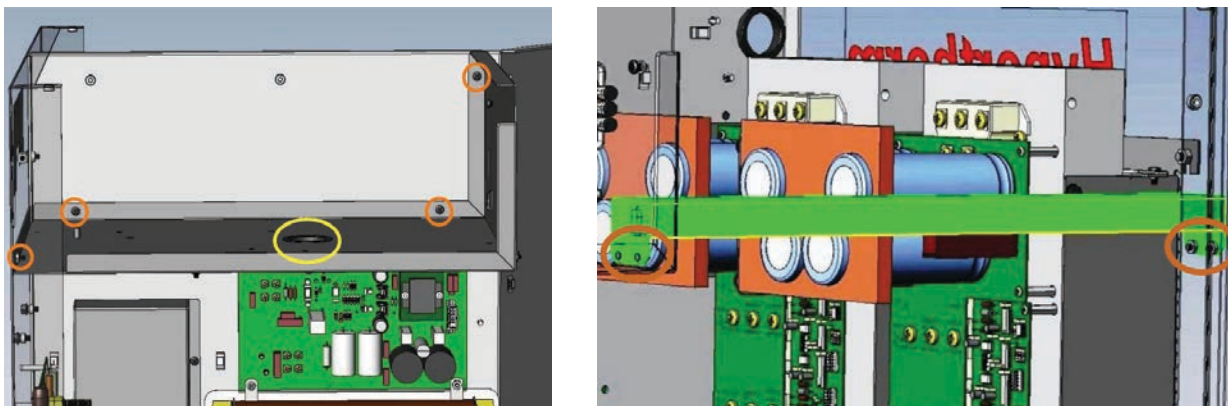
Discard the wires and nuts into the mixed metal recycling stream. Discard the cable ties into the plastic recycling stream.



Step 8

Remove the bolts and nuts using the T25 TORX driver and a 3/8 inch socket.

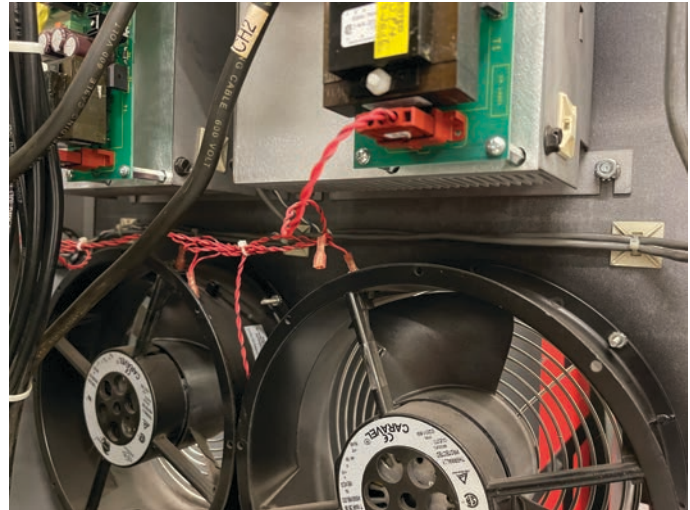
Discard the bolts and nuts into the mixed metal recycling stream.



Step 9

Cut all the cable ties and remove all the wires from plastic cable holders.

Discard the cable ties into the plastic recycling stream, and the wires into the mixed metal recycling stream.

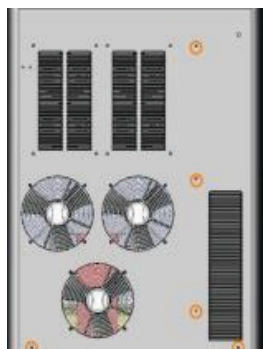


Step 10

Unplug the wire terminal and remove the pilot light. Remove the lock-washer nuts and screws from the fan cover using the 3/8 inch and 1/4 inch sockets and a Phillips screwdriver.

Discard the wires, nuts, and screws into mixed metal recycling waste streams.

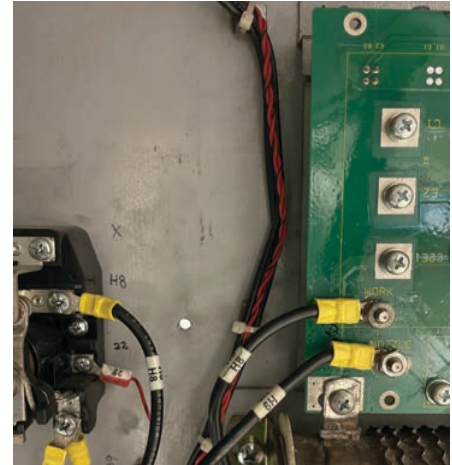
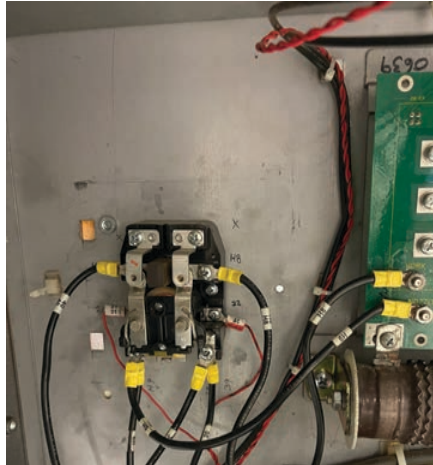
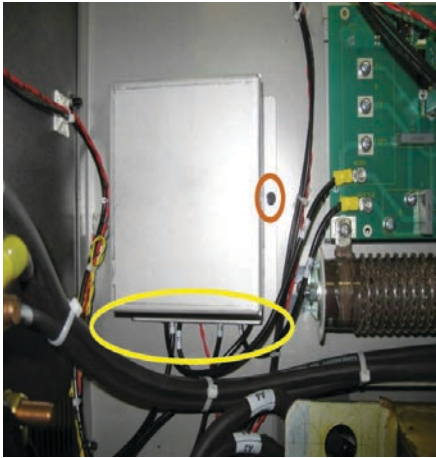
Note: You can repurpose fans or recycle them into the mixed metal recycling stream.



Step 11

Remove the bolts, nuts, and screws using the T25 TORX driver, a 3/8 inch socket, and a Phillips screwdriver.

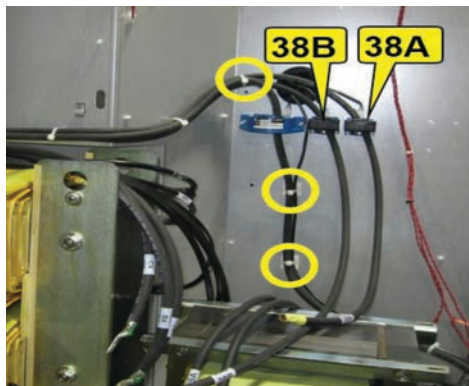
Discard the bolts, nuts, and screws into the mixed metal recycling stream.



Step 12

Remove the bolts using the T25 TORX driver. Unplug the red, white, and blue wire terminals. Cut all the cable ties.

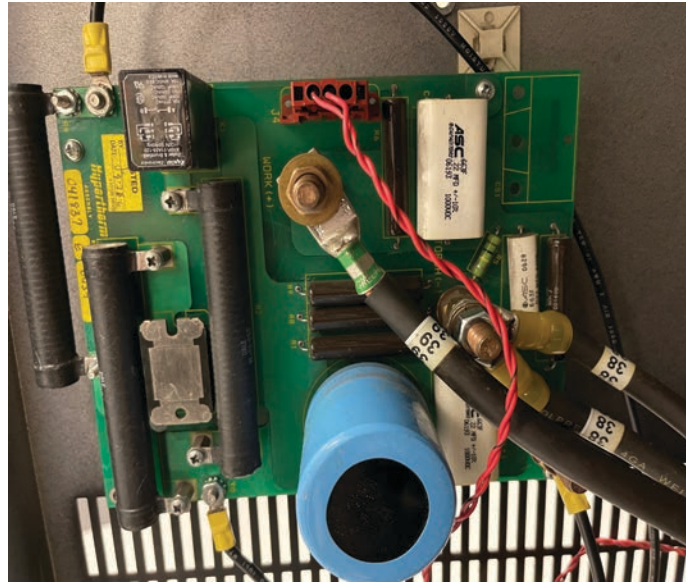
Discard the bolts and wires into the mixed metal recycling stream. Discard the cable ties into the plastic recycling stream.



Step 13

Remove the nuts using a 9/16 inch socket. Cut all the cable ties.

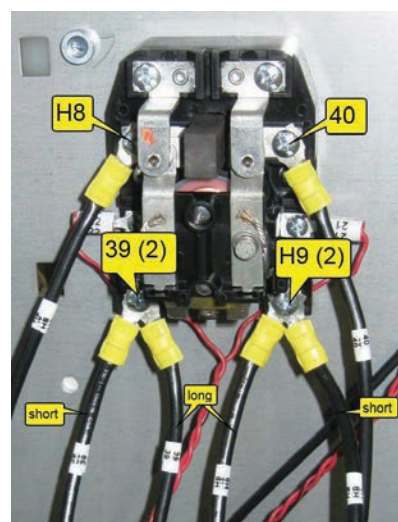
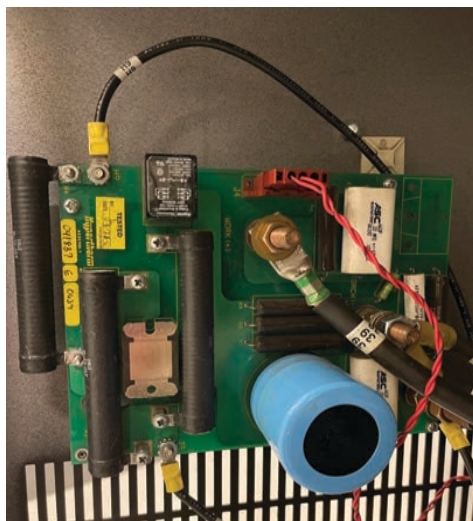
Discard the nuts into the mixed metal recycling stream, and the cable ties into the plastic recycling stream.



Step 14

Remove the lock-washer nuts and screws using a 3/8 inch socket and a Phillips screwdriver.

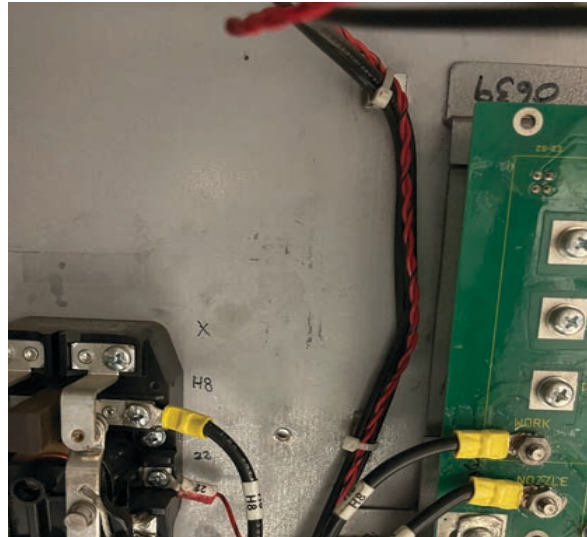
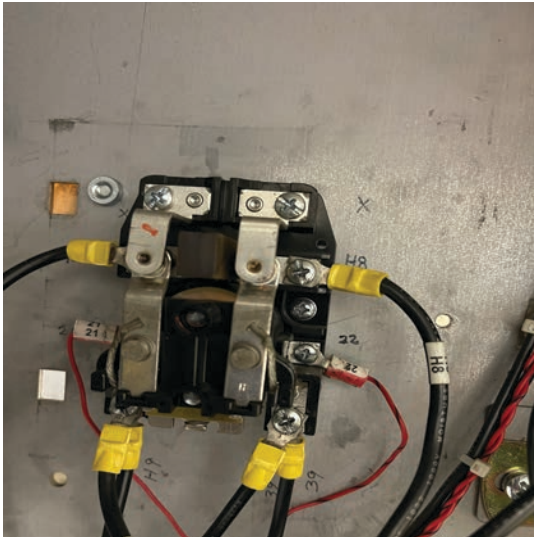
Discard the lock-washer nuts and screws into the mixed metal recycling stream. Discard the PCB into the E-waste recycling stream.



Step 15

Remove the nuts and screws using a 3/8 inch socket and a Phillips screwdriver. Cut all the cable ties.

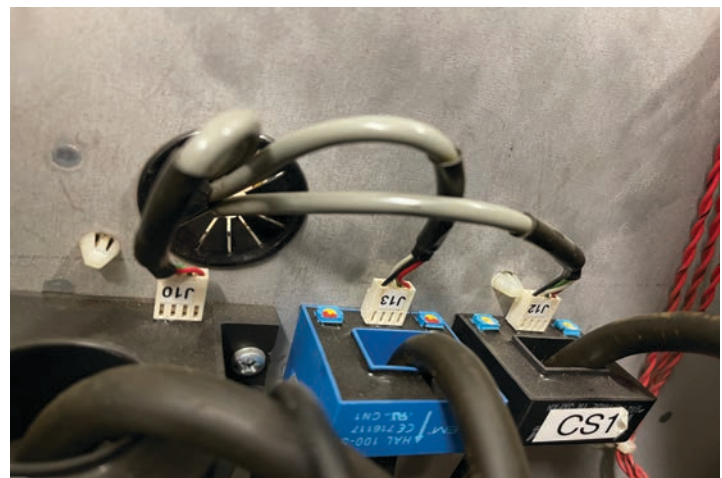
Discard the nuts and screws into the mixed metal recycling stream, and the cable ties into the plastic recycling stream.



Step 16

Remove the wires from their plastic cable holders and connectors. Unplug the wire terminal and cut the cable ties on the red wire.

Discard the wires into the mixed metal recycling stream.

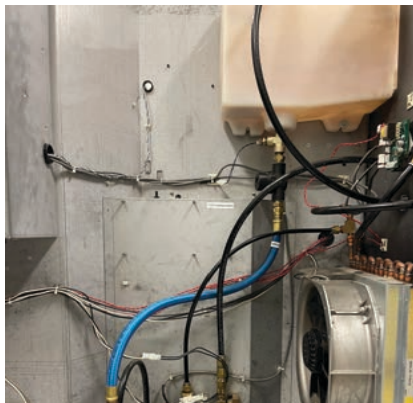
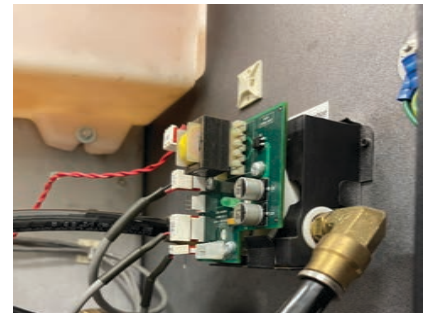
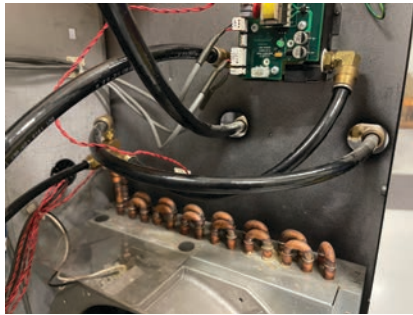
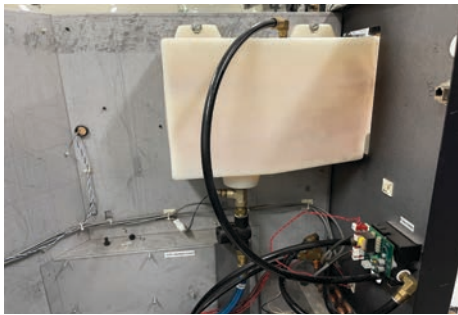
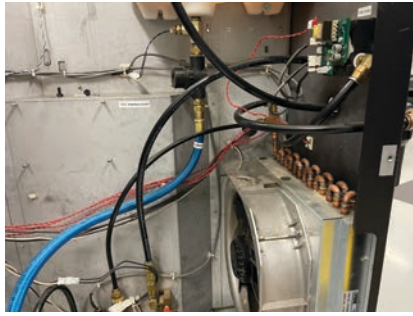


Step 17

Disconnect the coolant pump, motor, tank, and hoses.

Discard the coolant hoses and tank into the plastic recycling stream. Discard the motor and pump into the mixed metal recycling stream.

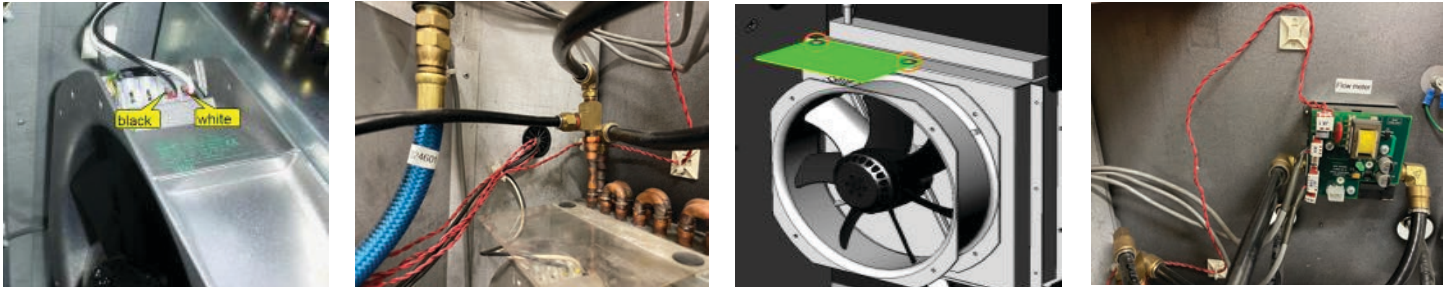
Note: All the green hoses are quick disconnects. Push in and pull to remove them.



Step 18

Remove all the wires and cut all the cable ties.

Discard the wires into the mixed metal recycling stream. Discard the cable ties into the plastic recycling stream.



Step 19

Remove all the wires from their connectors. Cut all the cable ties.

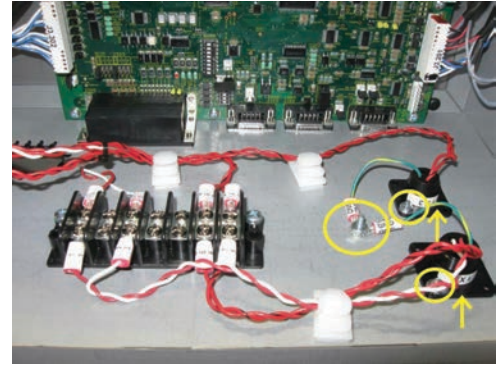
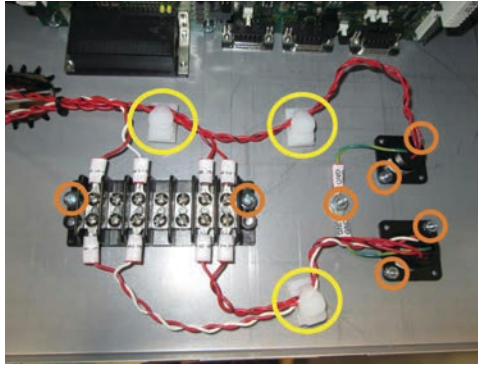
Discard the wires into the mixed metal recycling stream, and the cable ties into the plastic recycling stream.



Step 20

Remove all the wires from their connectors. Cut all the cable ties.

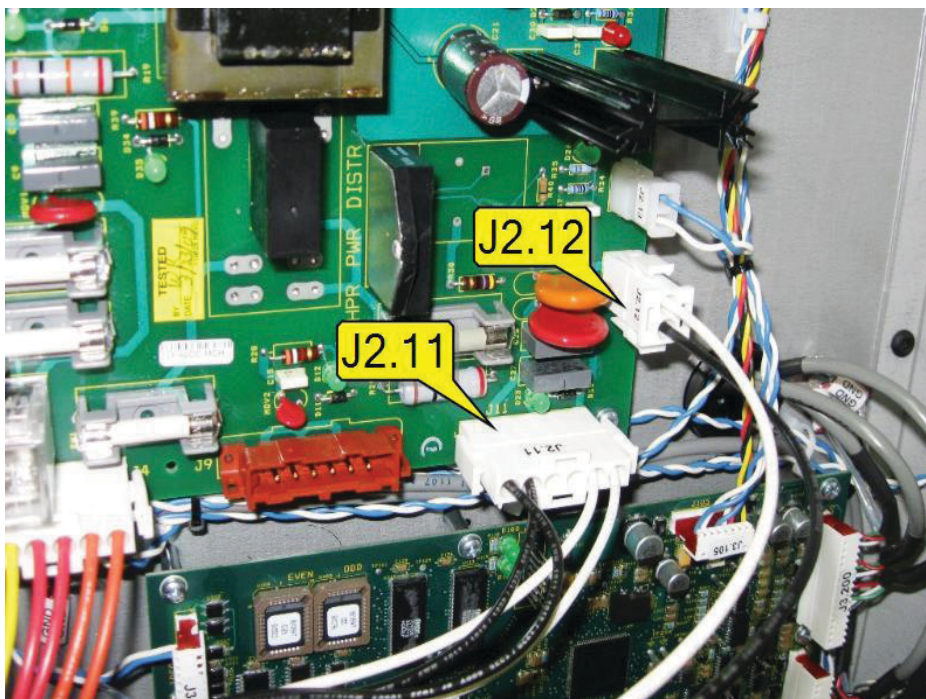
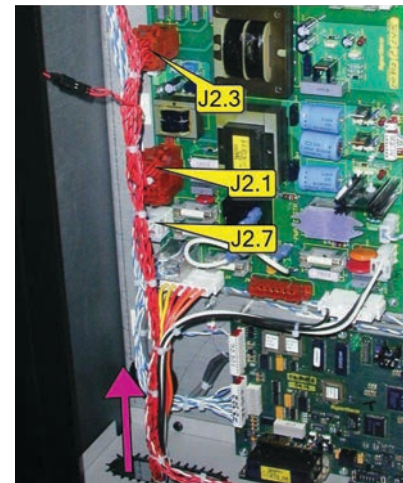
Discard the wires into the mixed metal recycling stream. Discard the cable ties into the plastic recycling stream.



Step 21

Remove the plastic plug. Cut all cable ties and unplug all wires from connectors.

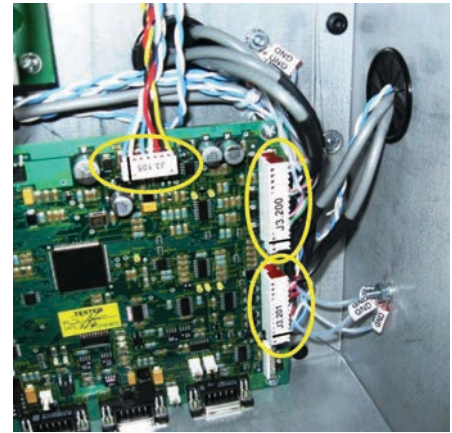
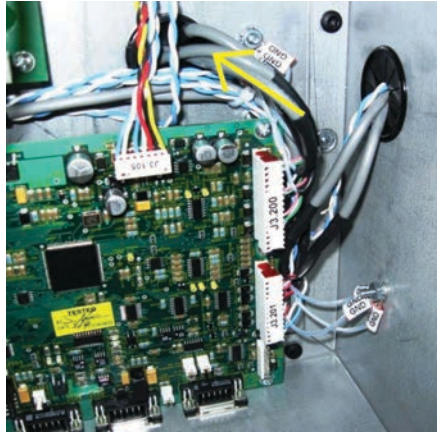
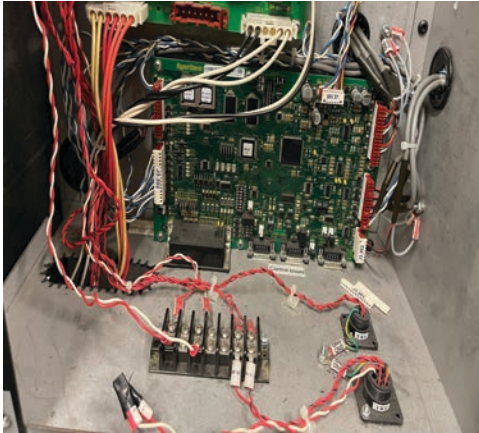
Discard the plastic plug and the cable ties into the plastic recycling waste stream. Discard the wires into the mixed metal recycling stream.



Step 22

Cut all the cable ties and unplug the wire terminal.

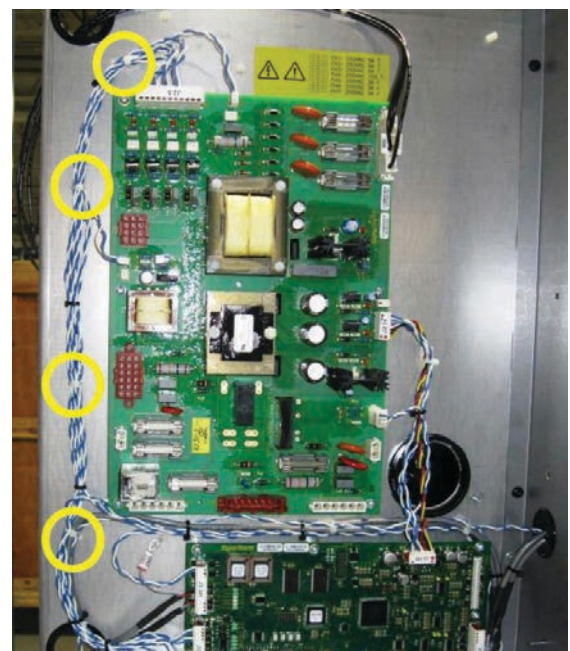
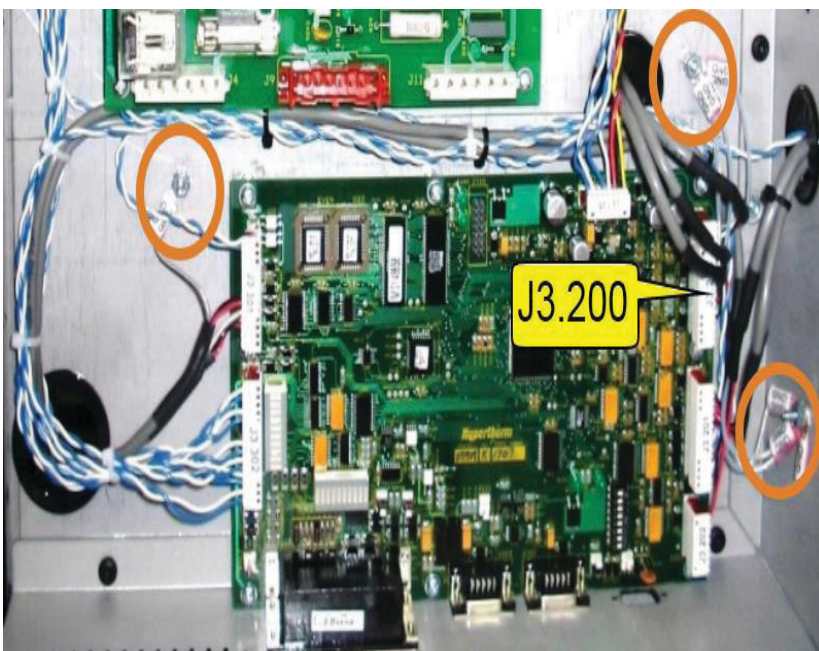
Discard the cable ties into the plastic recycling stream. Discard the wires into the mixed metal recycling stream.



Step 23

Remove the nuts using a 5/16 inch socket. Cut all the cable ties and unplug the wires from their connectors.

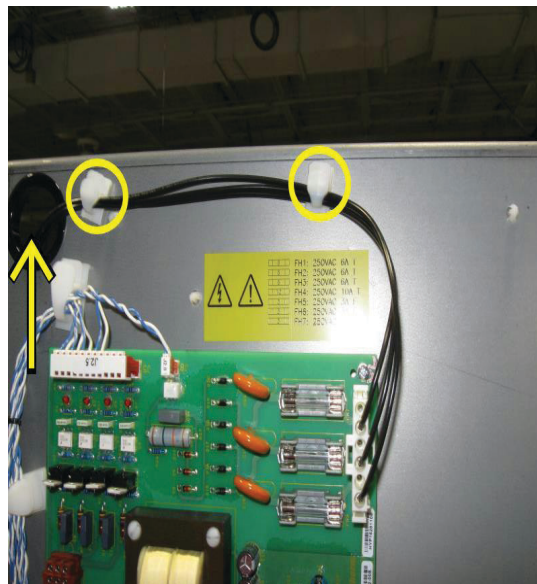
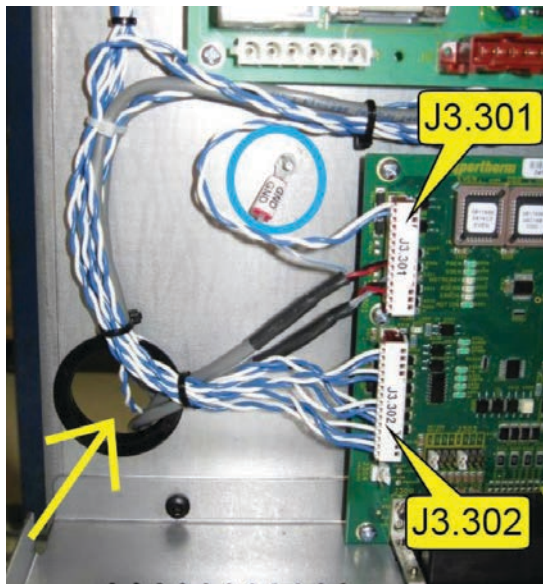
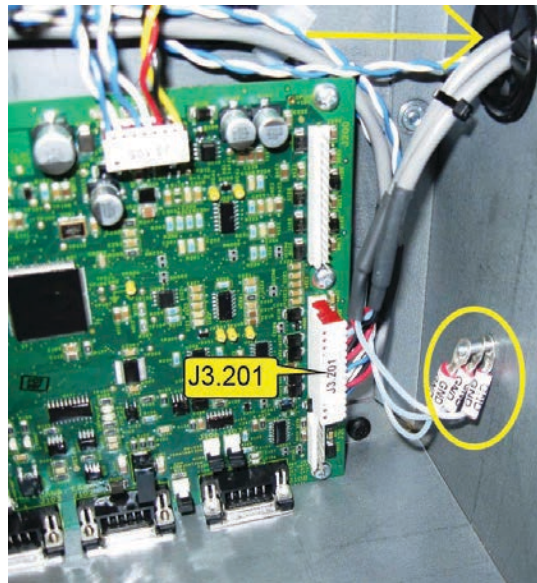
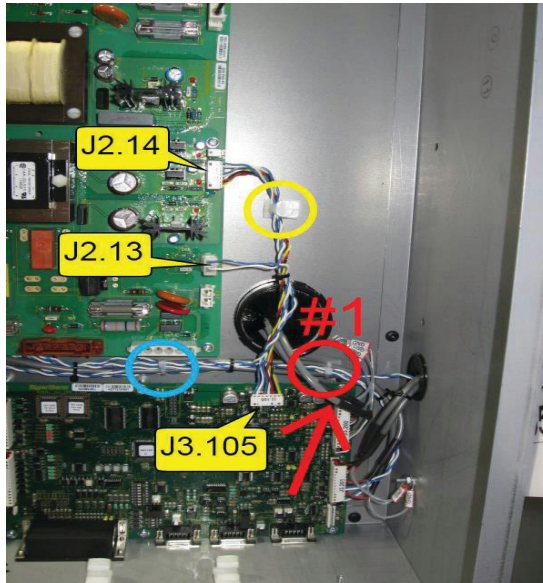
Discard the cable ties into the plastic recycling stream. Discard the wires and nuts into the mixed metal recycling stream.



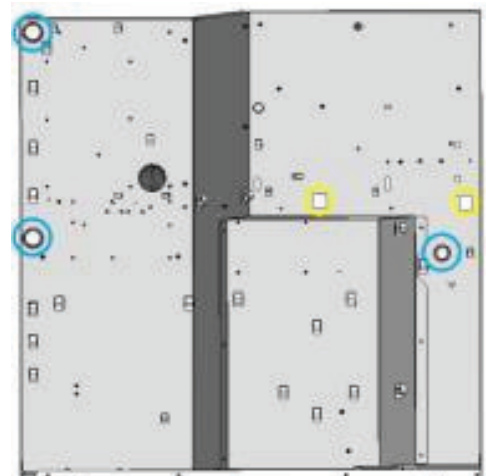
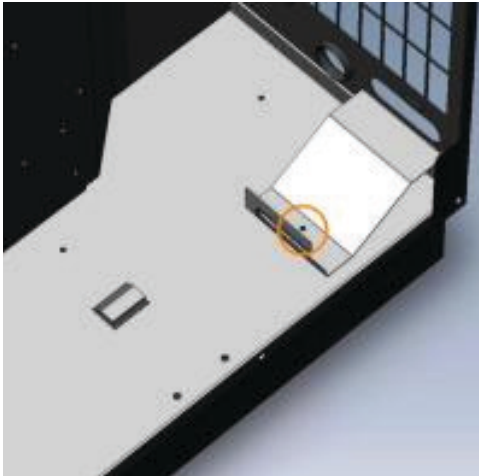
Step 24

Cut all the cable ties and remove the wires from their connectors.

Discard the cable ties into the plastic recycling waste streams, and the wires into the mixed metal recycling stream. Discard the PCB into the E-waste recycling stream.



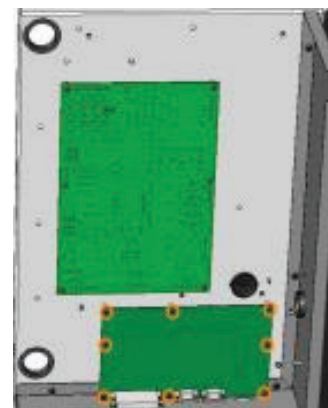
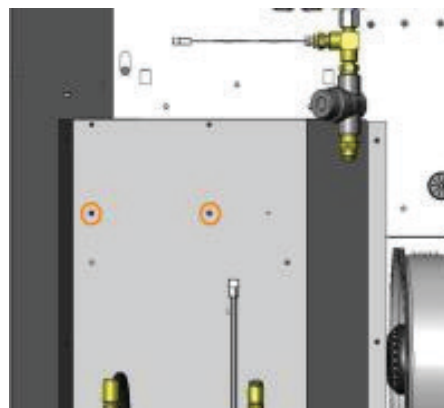
Note: The grommets on the metal do not have to be removed.



Step 25

Remove the nuts and screws using a 3/8 inch socket and a Phillips screwdriver.

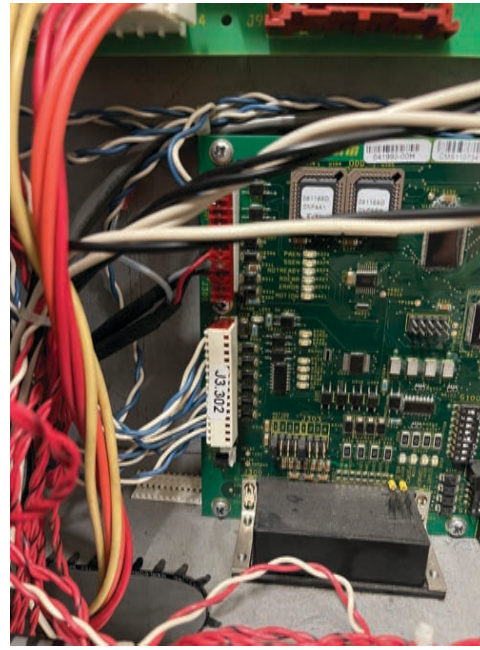
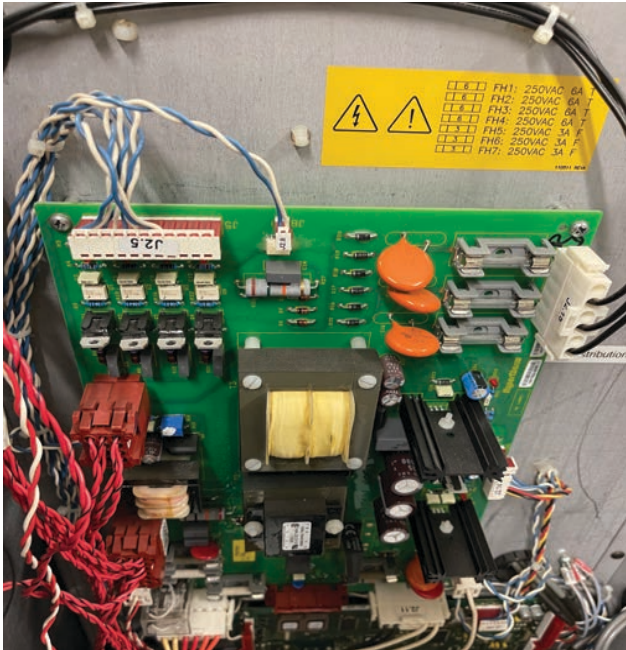
Discard the nuts and screws into the mixed metal recycling stream.



Step 26

Use a Phillips screwdriver and the T25 TORX driver to remove the screws and bolts from the control board and from all four corners of the power distribution board.

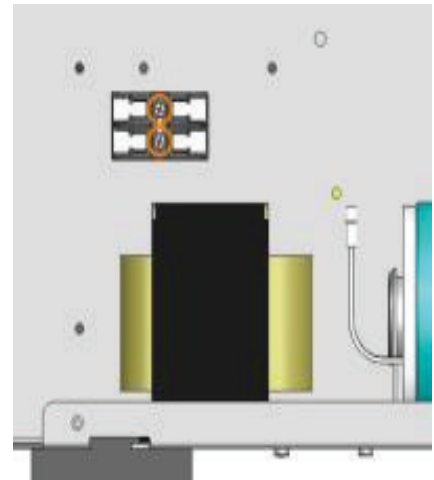
Discard the screws and bolts into the mixed metal recycling stream. Discard the PCB into the E-waste recycling stream.



Step 27

Remove the screws and bolts using a Phillips screwdriver and the T25 TORX driver.

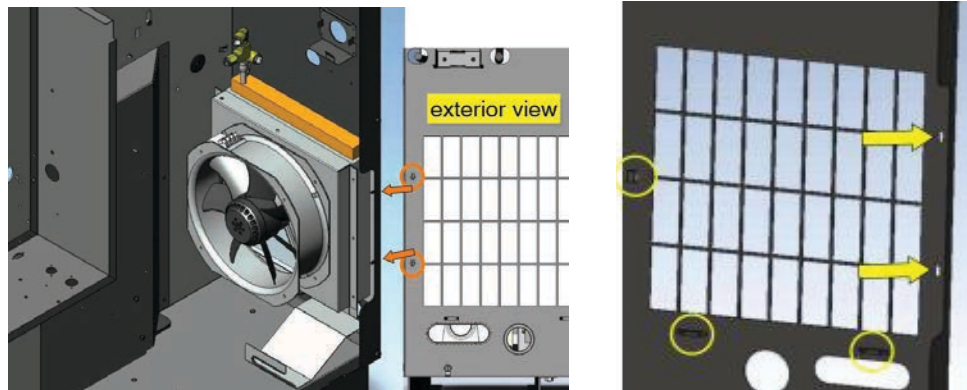
Discard the screws and bolts into the mixed metal recycling stream.



Step 28

Remove the screws using a Phillips screwdriver.

Discard the screws into the mixed metal recycling stream.

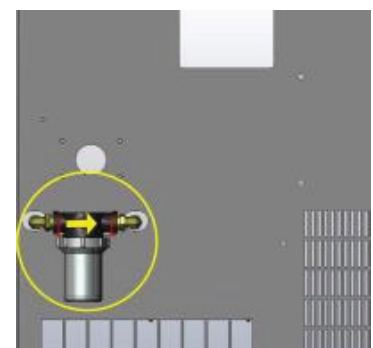
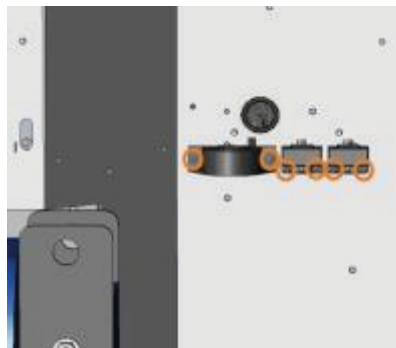
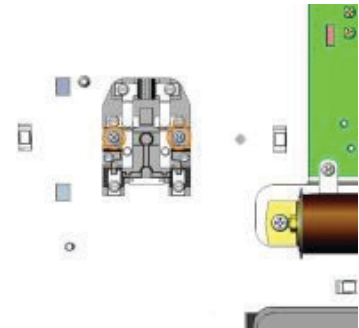


Step 29

Remove the nuts and screws using a 3/8 inch socket and a Phillips screwdriver.

Discard the nuts and screws into the mixed metal recycling stream.

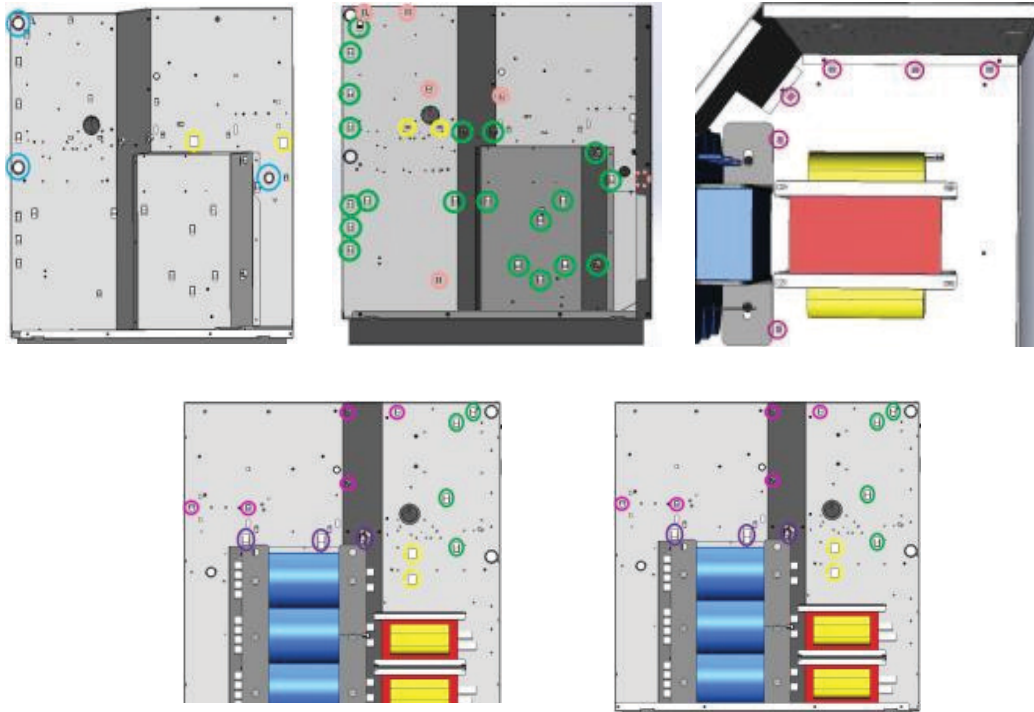
Note: The filter assembly is a quick-disconnect and can be pulled out. You can repurpose it or send it to the mixed metal recycling stream.



Step 30

Note: You don't have to remove any cable ties.

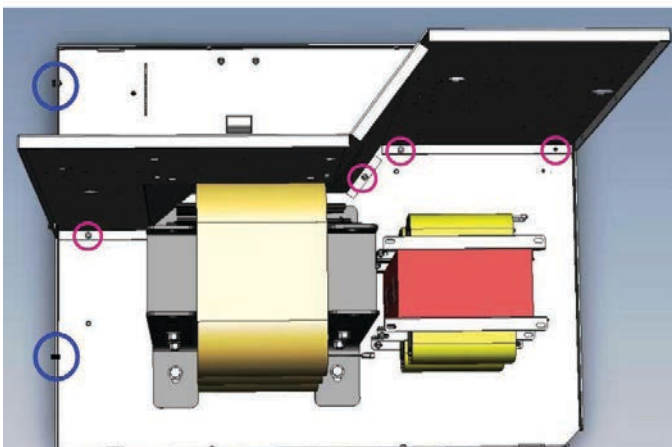
Discard the screws into the mixed metal recycling stream.



Step 31

Remove the nuts using the 7/16 inch and 3/8 inch sockets.

Discard the nuts into the mixed metal recycling stream.

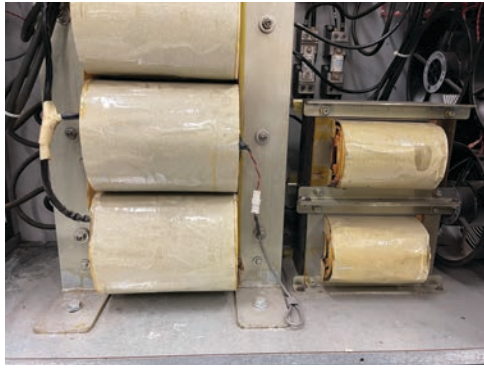
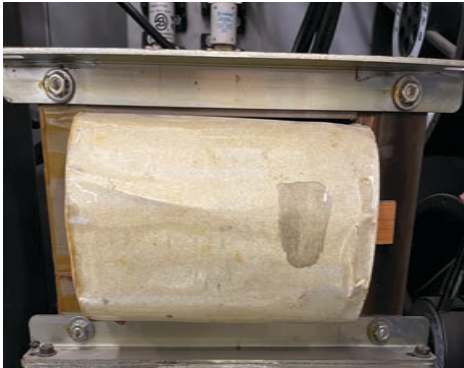
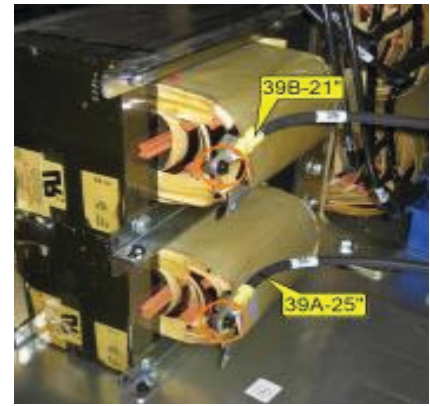
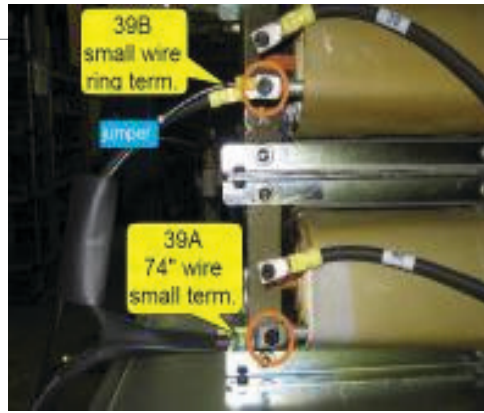


Step 32

Remove the screws and bolts from the base of the transformers and inductors using a Phillips screwdriver and the T25 TORX driver.

Discard the screws, bolts, transformers, and inductors into the mixed metal recycling stream.

Note: The transformers and inductors can be repurposed or sent to the mixed metal recycling stream.



Engineered and assembled in the USA

ISO 9001:2015

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Revision 0

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