


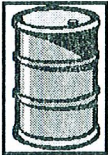
PHILIPS Healthcare COMPANY CONFIDENTIAL	Recycling Passport Template Appendix 5	UXW-071018a5 Revision: 4 page 1 of 2
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(Passport Header)

PHILIPS HEALTHCARE	Product Recycling Passport	Page 1 of 2
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Product name:	53-S35-64	
Identification code(s)	459800367041 and above	
Total weight (in Kg)	56.25	
Producer/ Manufacturer	Name company:	MKS
	Address:	100 Highpower Road Rochester, NY
	Zip code:	14623
	Country:	USA

Recycle Info	Items:	Location
Special attention 	N/A	

	Items:	Location
 Fluids / Gases	N/A	

	Type:	Location
Batteries  To be Removed	3.0V Coin Panasonic Lithium battery manufacture part number CR2032 (MKS p/n 1045038) . See appendix below for removal process.	used in S35 Customer Interface and Power Supply Controller PCBA Assembly (MKS p/n 1042883-001)

	Substances:	Location
Hazardous	N/A	

(Passport Header)

PHILIPS HEALTHCARE	Product Recycling Passport	Page 2 of 2
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To be Removed

Show locations of materials mentioned on the previous sheet.
(Please use an illustration/drawing of the system, photos are discouraged)

Recycling Passport Revision History

Rev	Description	Date

Recycling Passport Approval Signatures (Note: Do not include this section in the published version)

Aaron Eslinger
HA. October 29, 2013

S35 LITHIUM BATTERY REMOVAL PROCEDURE

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1. Introduction

This procedure is to provide details and guidelines of how to remove electrical components that contain Lithium metal or Lithium compound from **MKS S35** products for disposal according to local regulations.

Lithium is found in a 3.0V Coin Panasonic Lithium battery manufacture part number **CR2032** (MKS p/n 1045038) , which is used in S35 Customer Interface and Power Supply Controller Assembly (MKS p/n 1042883-001).

There is a single Lithium battery that is used in S35 RF Amplifier. This battery is used to supply power to the S35 system real time clock IC when unit is left unplugged from Main supply.

The Lithium battery is soldered in place at location B1 on Customer Interface Assembly, in the S35 power supply deck. The battery can be removed by de-soldering the two leads and cutting the grey RTV with a razor knife. The location of the Lithium battery on the Customer Interface Assembly is shown in Figure 1.

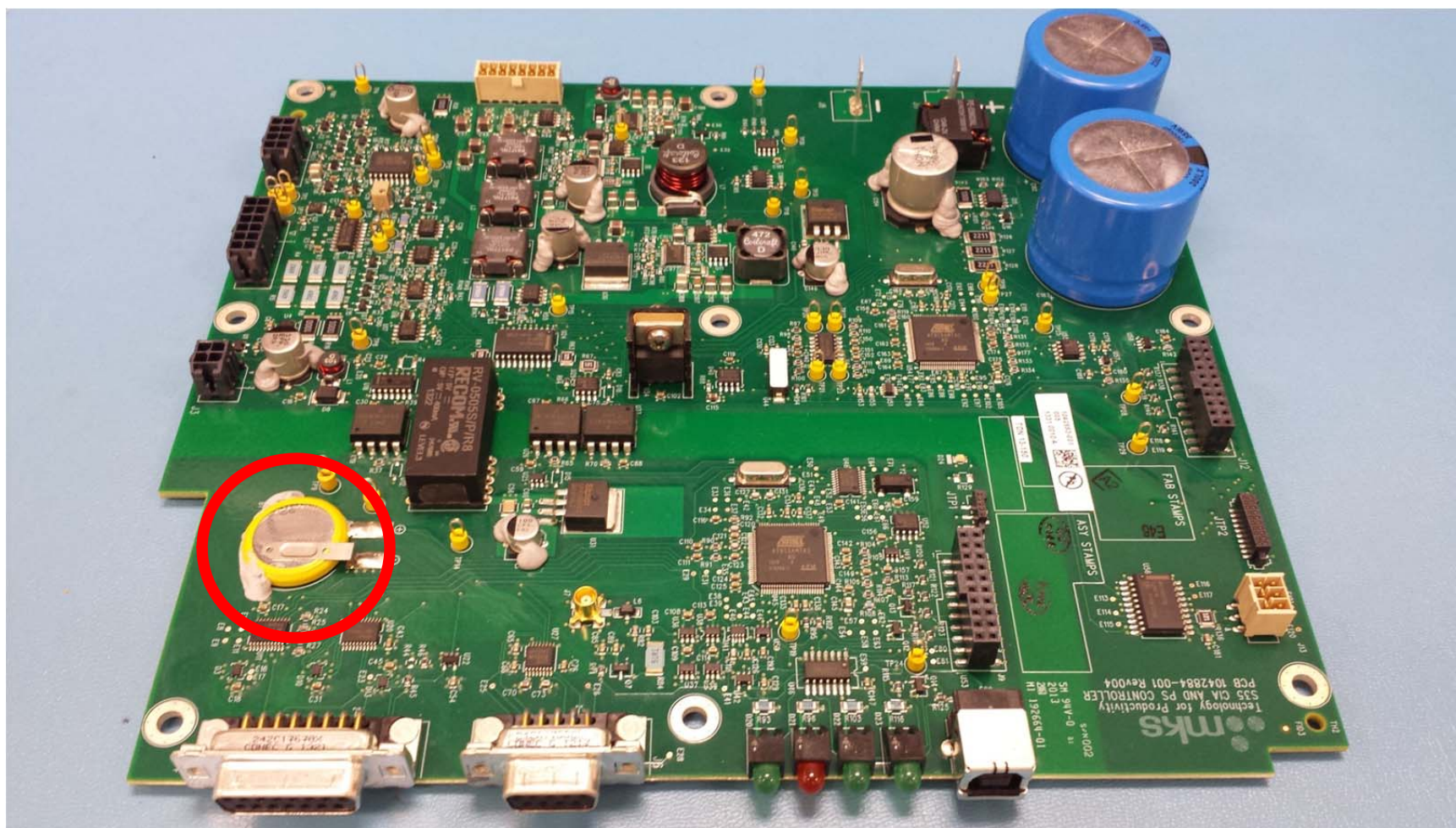


Figure 1: Customer Interface and Power Supply Controller Assembly (battery location circled)

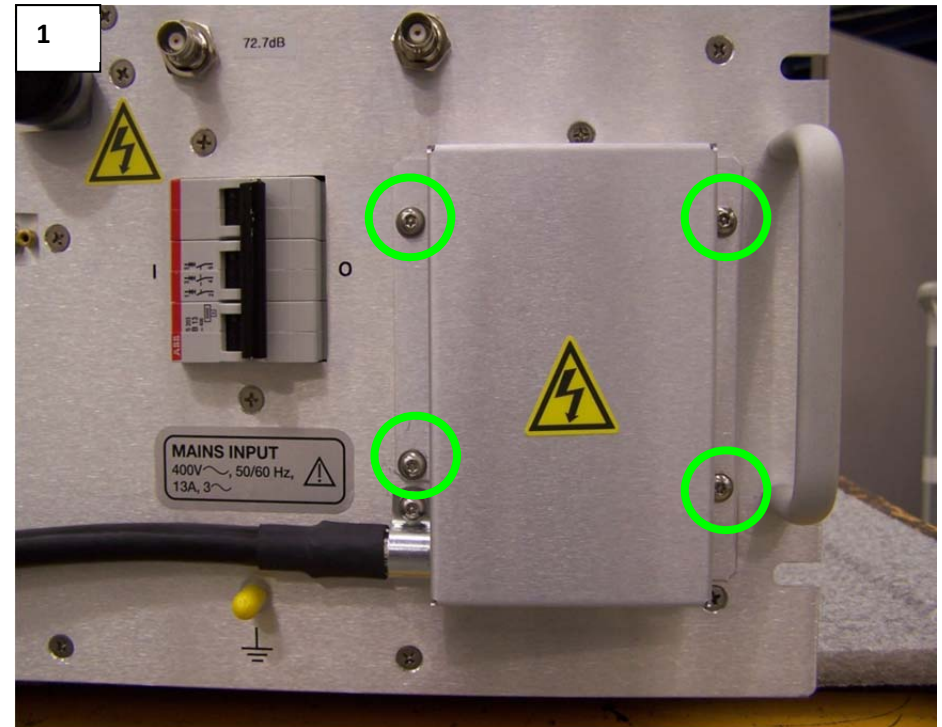
2. Process Details

1. Remove SAFETY SHIELD, AC POWER, METAL from front panel of unit to gain access to side cover hardware.

Note: This requires the use of a Torx 15 tamper proof screwdriver bit.



4 - M4 X 12, BUTTON, TORX, SCREW

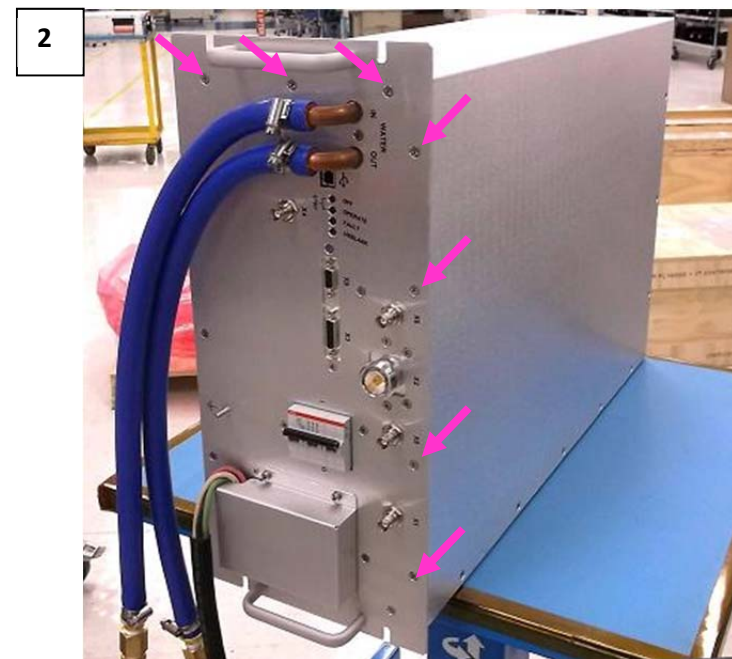
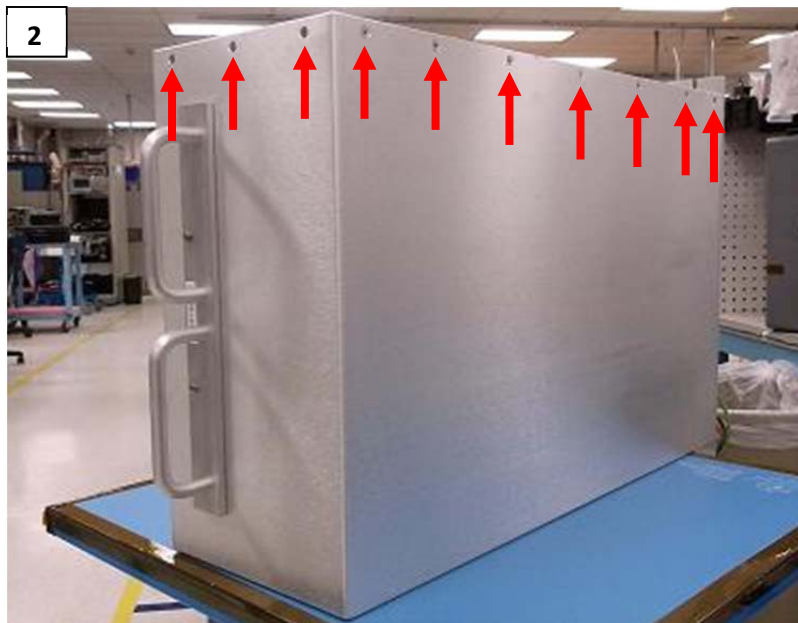
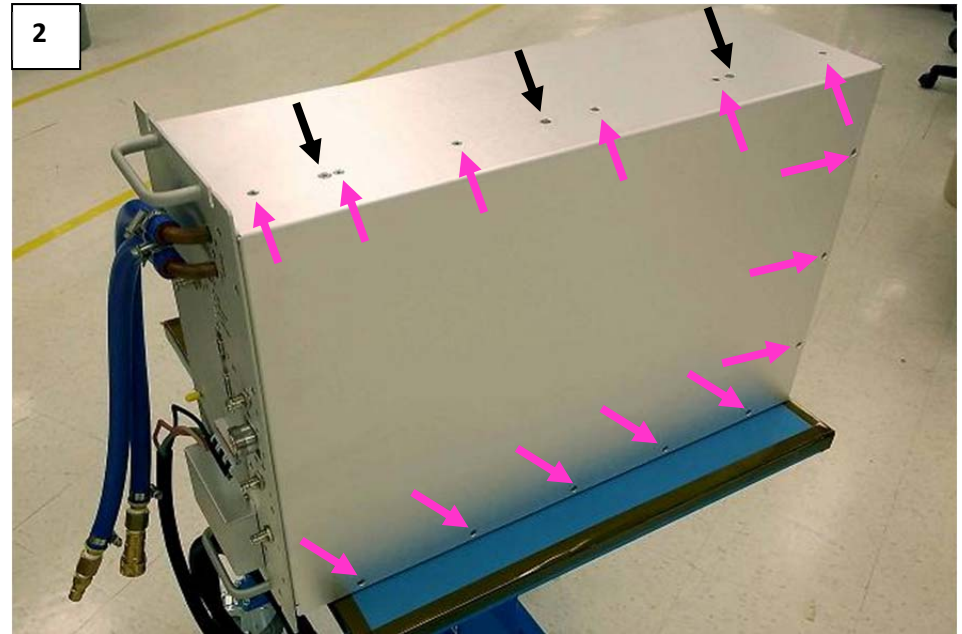


2. Remove Top / Left side cover using a No 2 Phillips head screwdriver – Part 1

21 - M4 X 10 P/F SCREW

3 - M5 X 10 F/H SCREW

10 - M4 X 10 P/F SCREW

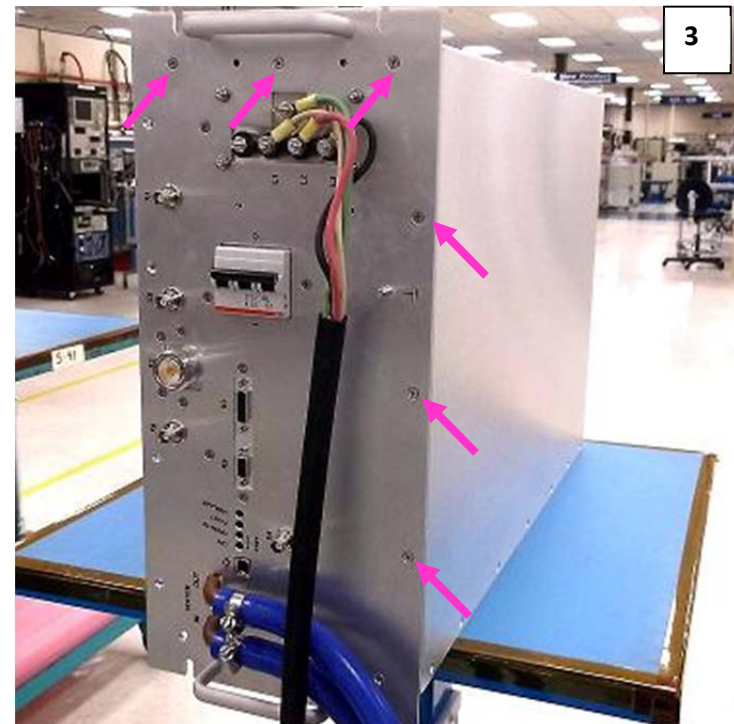
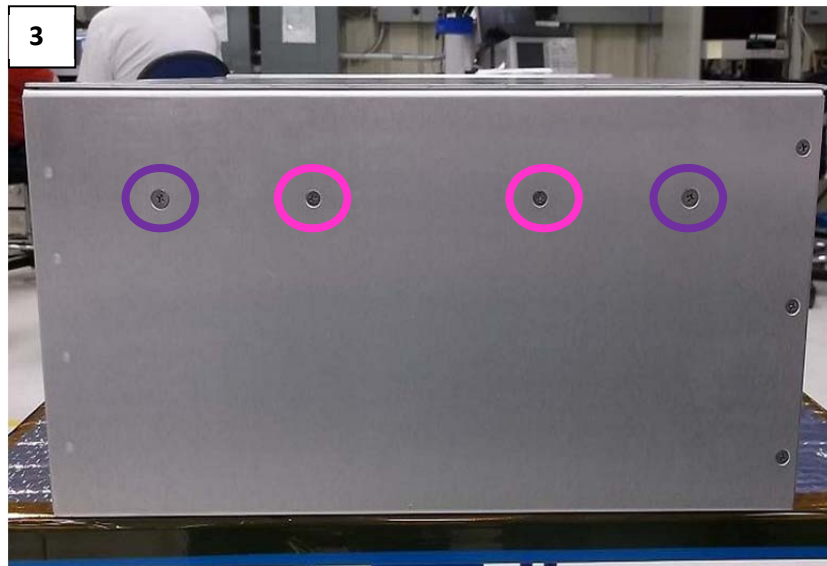
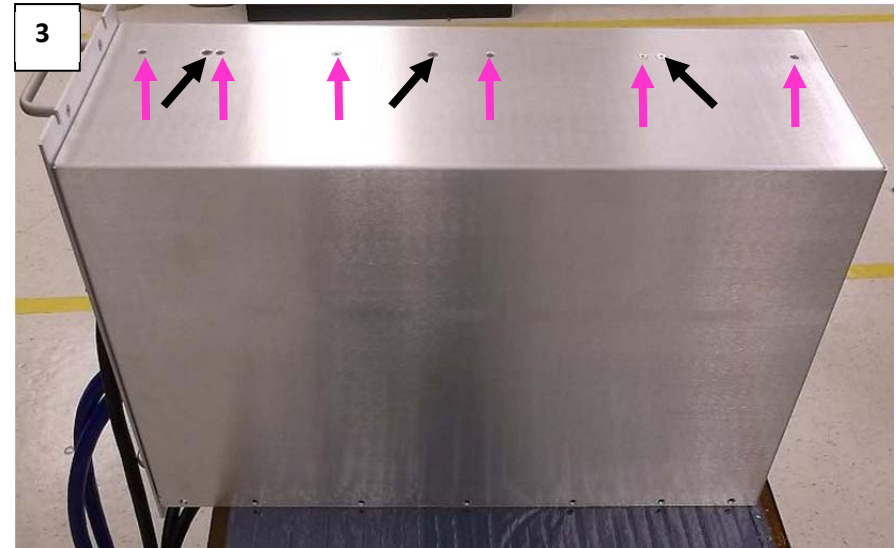


3. Remove Bottom / Right side / rear cover using a No 2 Phillips head screwdriver.

14 - M4 X 10 P/F SCREW

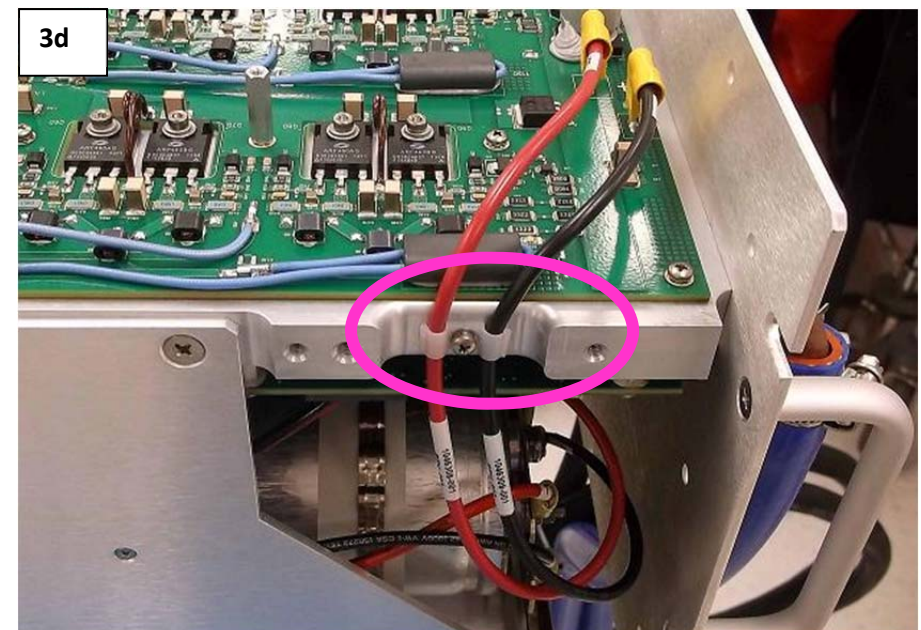
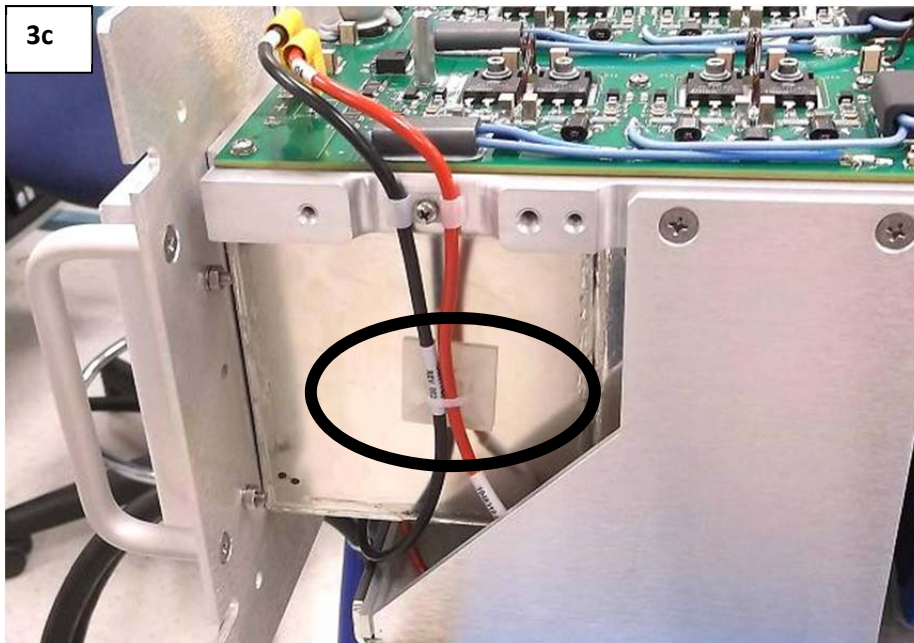
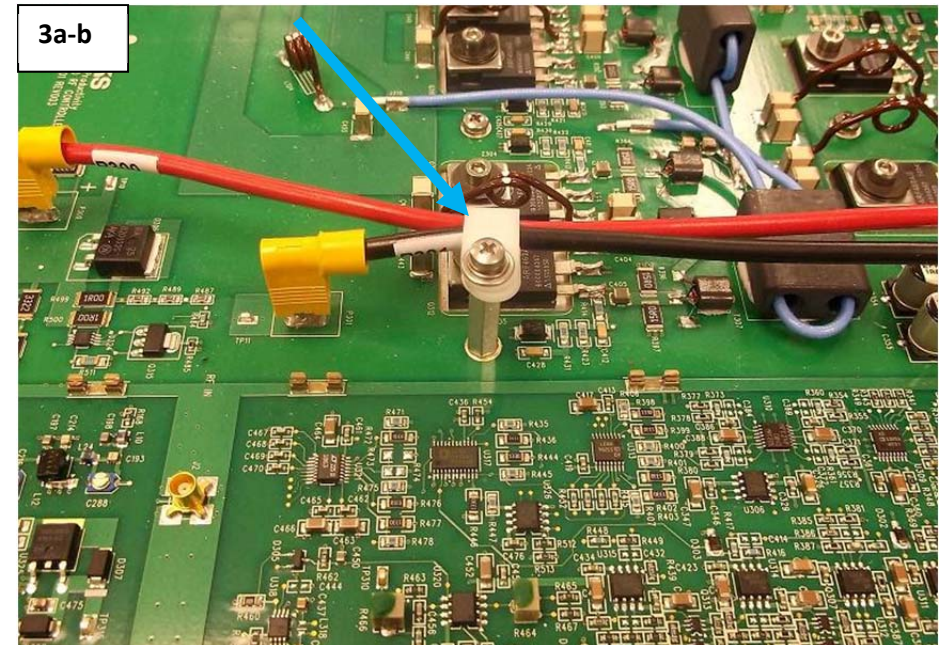
3 - M5 X 10 F/H SCREW

2 - M5 X 10 F/H SCREW



3. Position unit on cap tray with RF side up.

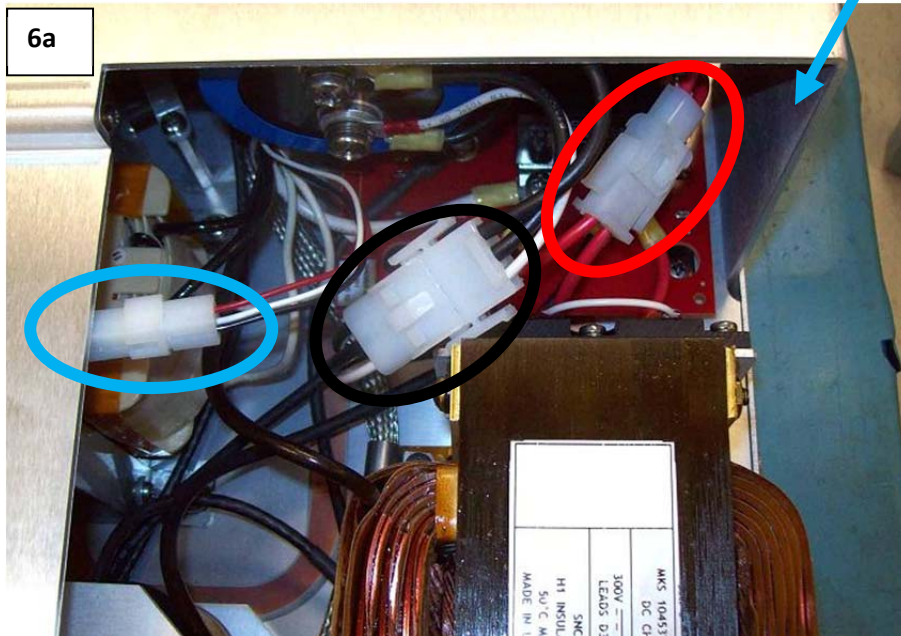
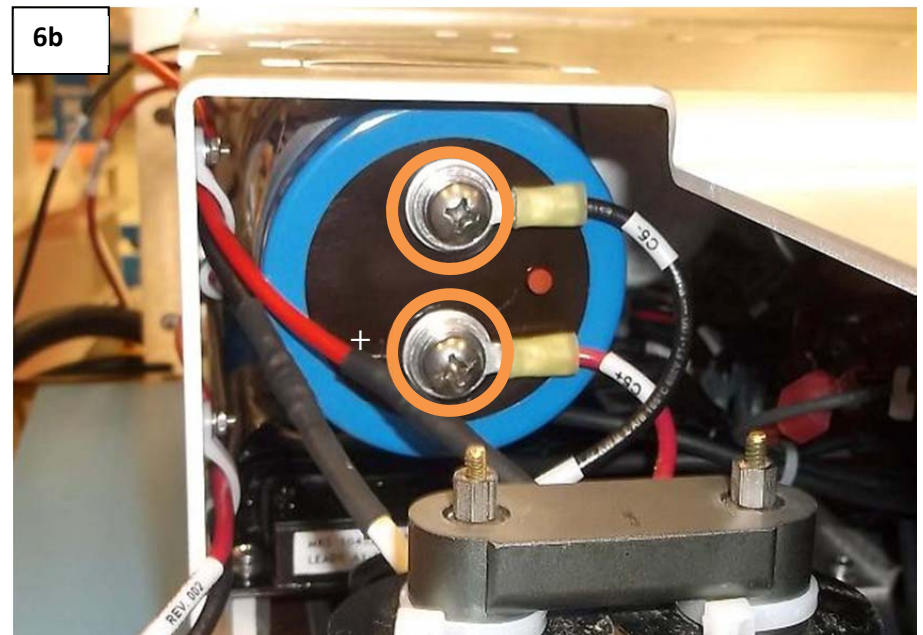
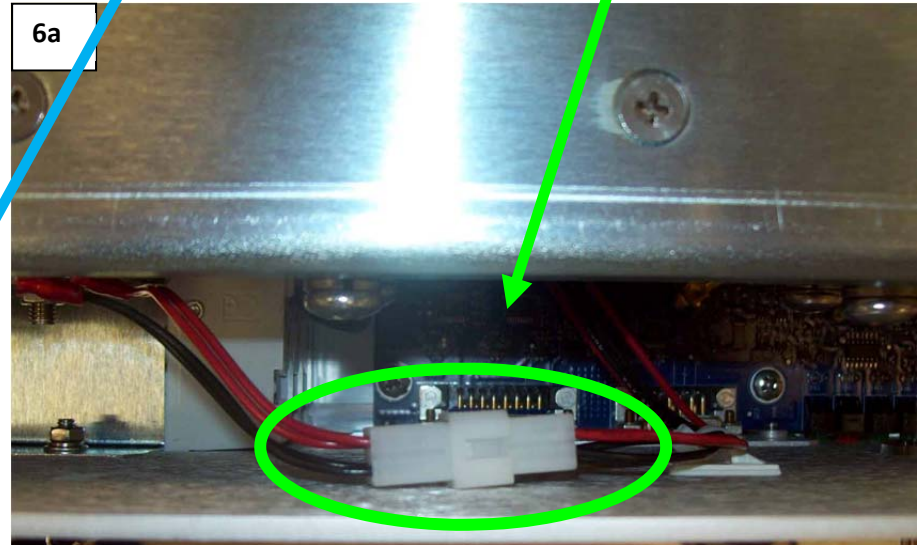
- a. Unplug 6 wires (3 **red**, 3 **black**) from Driver PCB and PA PCB.
- b. Remove **P-clip** with red and black wires (P300 and P301) from standoff on Driver PCB.
- c. Cut **wire tie** holding J1A and J2A wires to side of line filter.
- d. Remove P300, P301, J1A, J2A, J1D and J2D wires from the 3 **retaining clips** at the edge of the coldplate.



6. Flip unit over so that RF side is facing down.

Disconnect cables and wires to cap tray:

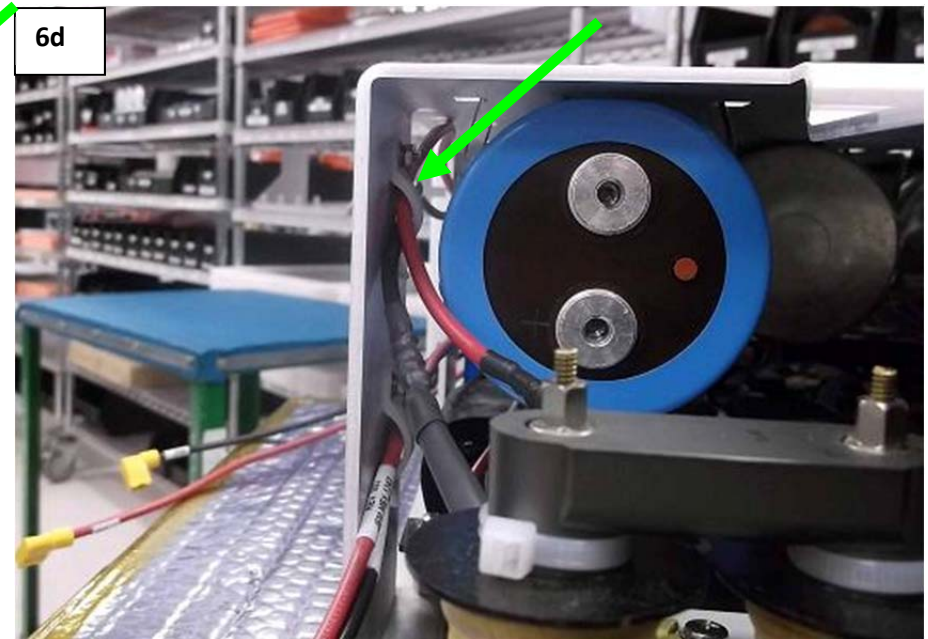
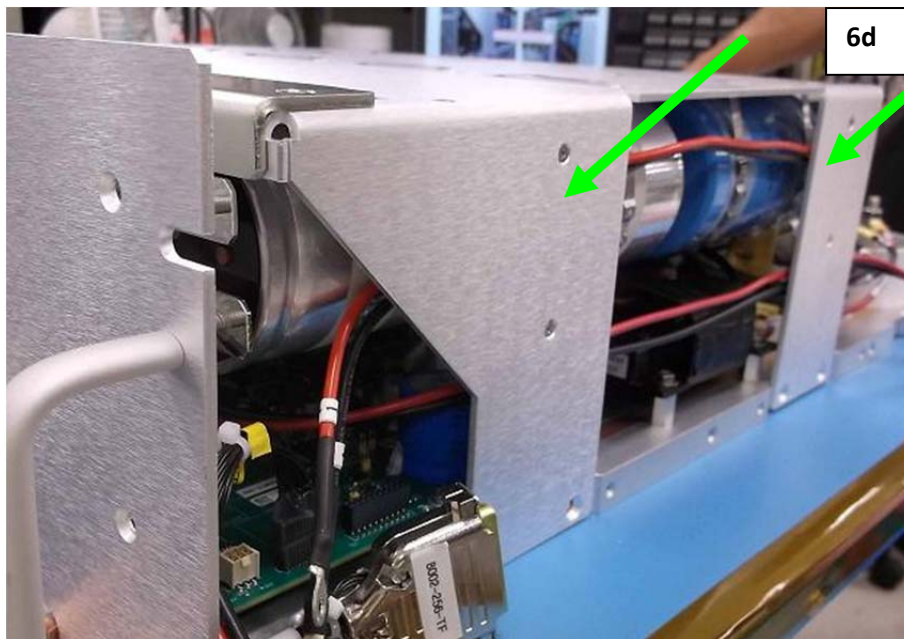
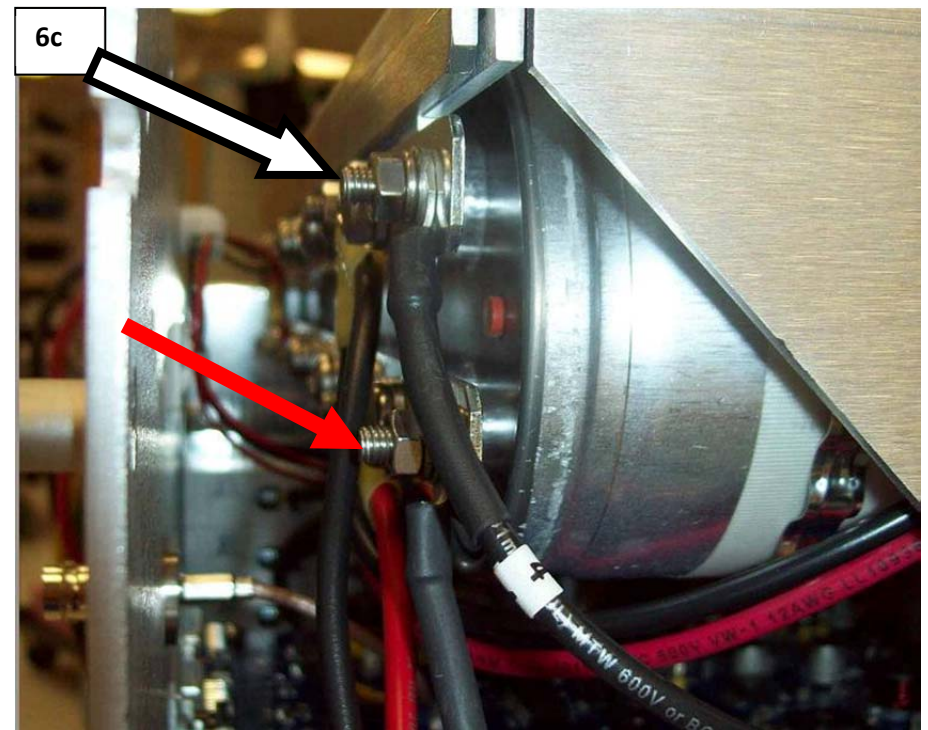
- a. 4 connectors (**J14/P14**, **J15/P15**, **J16/P16** and **J17/P17**)
- b. 2 wires (**C5+** and **C5-**) from capacitor



6. Flip unit over so that RF side is facing down continued.

Disconnect cables and wires to cap tray:

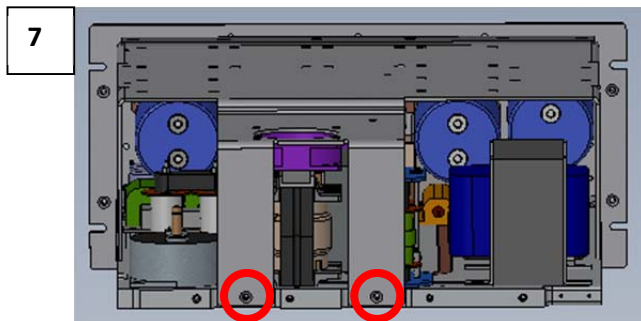
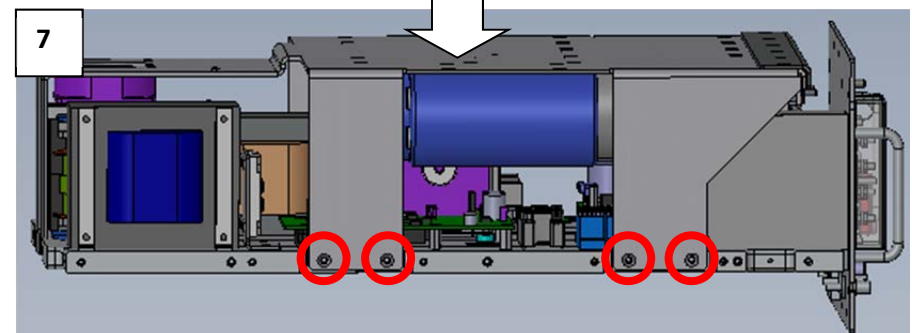
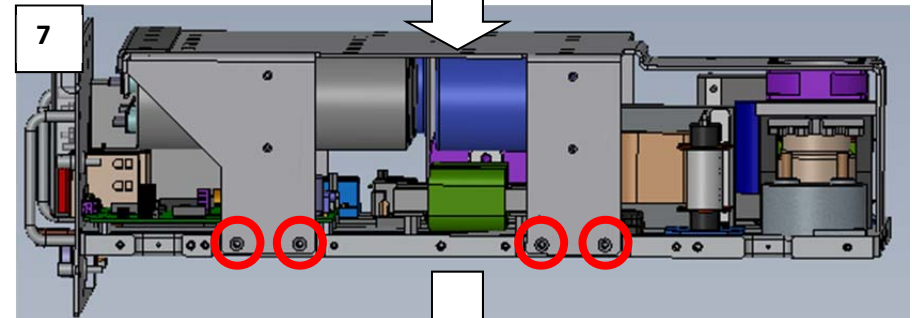
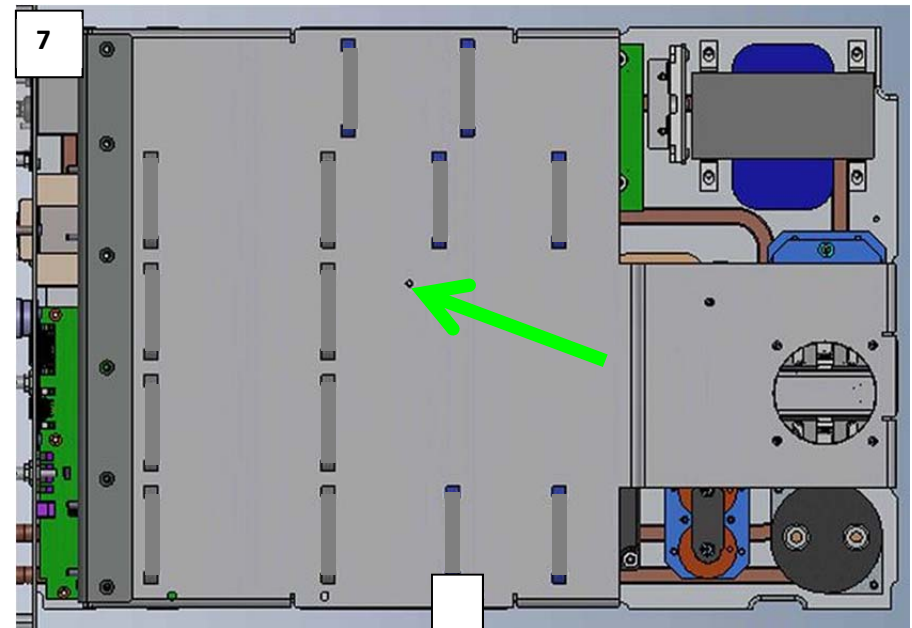
- c. 2 wires (wire "1" and wire "4") from buss bars
- d. Pull wire "1" and wire "4" out of **retaining clips** on cap tray



7. Remove Cap Tray from Power supply / RF deck assembly using No 2 Phillips head screwdriver and set aside.

1 - M4 X 12 P/P SCREW

10 - M5 X 10 F/H SCREW

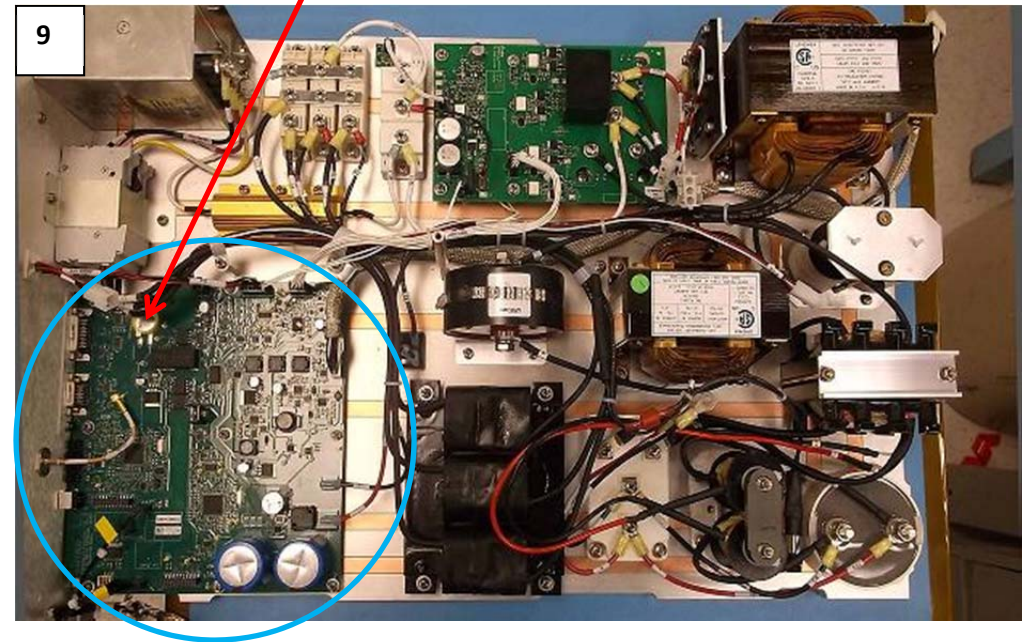


9. Lift off and set **Cap Tray** aside exposing power supply assembly.

SAFETY WARNING: It is required two people to perform this task due to heavy object.



8. Locate **Customer Interface Adapter Assembly PCB** on power supply assembly.



Lithium Battery

10. Customer Interface Adapter Assembly PCB with **Lithium Battery** installed is shown on the RIGHT.

Lithium Battery can be removed by de-soldering the two leads as shown and cutting the **grey RTV** with a razor knife.

