



## Title: FlexIsolator Assembly (P/N 900/810-240-031-015) Procedure

Document Number: 123-240-030-030

Department: Manufacturing

### Revision History

Rev.	Description of Change	Originator	Date
A	As Issued per ECO-000974.	M. Miyasaki	4/7/2017

Step:

Title: [FlexRadio Assembly](#)

Doc P/N: [123-240-030-030](#)

Date: [4/7/2017](#)

Rev [A](#) Page [1](#)

## Tools List

Item	Description	Quantity
N/A	Wrench	1
N/A	3"-lbs torque driver with Phillips screwdriver bit	1
N/A	4"-lbs torque driver with Phillips screwdriver bit	1
N/A	5"-lbs torque driver with Phillips screwdriver bit	1
N/A	5/8" deep socket with 3/8" square drive adapter	1
N/A	9"-lbs 3/8" torque wrench	1
N/A	Screwdriver with Phillips head	1
N/A	Alcohol based cleaner	A/R

## References

Item	Description
121-240-030-015	Procedure,Test,Program/Functional,FlexRadio Cabinet
121-240-030-016	Procedure,Test,System/Final,FlexRadio Cabinet
122-240-030-004	P/N and HW Rev Marking Instructions, APCC
122-240-001-007	Instructions,Marking,Label,Product ID, Packaging,Non-serialized

Step:

Title: [FlexRadio Assembly](#)

Doc P/N: [123-240-030-030](#)

Date: [4/7/2017](#) Rev [A](#) Page [2](#)

Torque Requirement: 4"-lbs

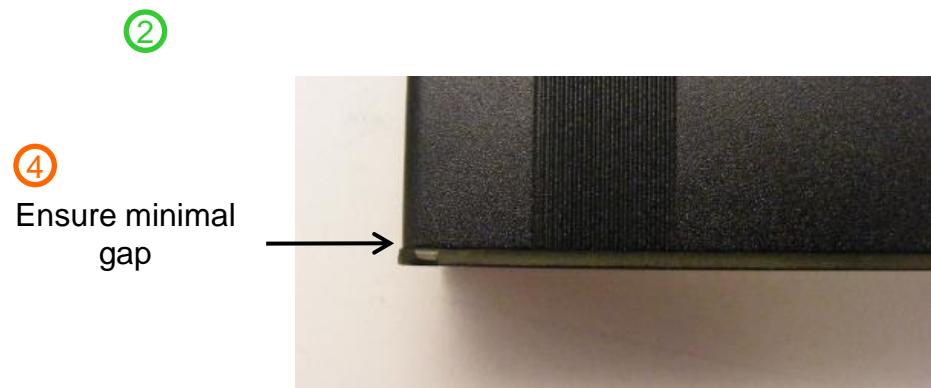
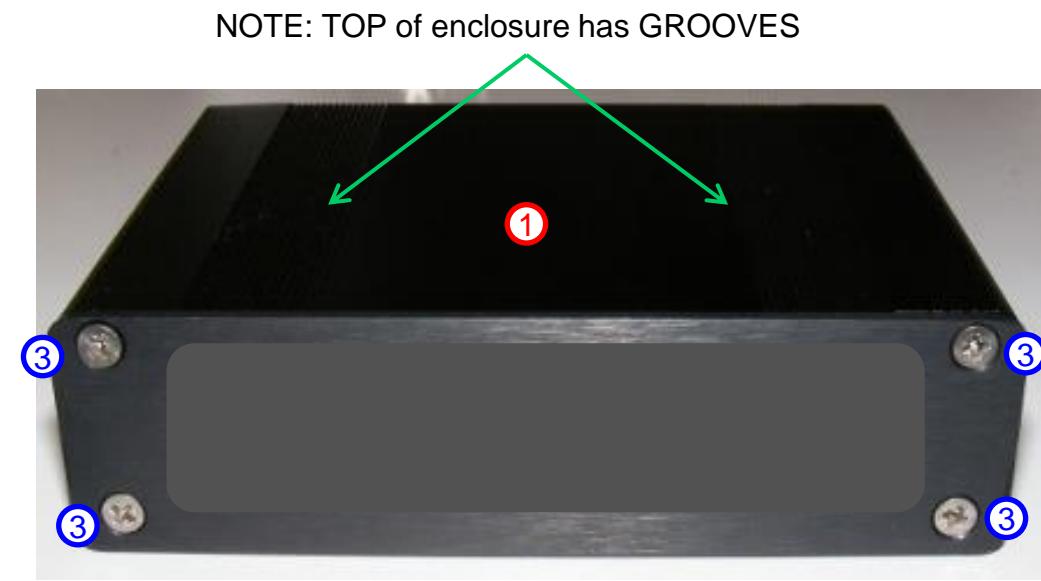
Item	Description	Qty
320-240-030-055	Faceplate,Rear,Black	1
321-240-030-044	Screw,M3x10mm,PFH	4
320-240-030-051	Enclosure,Copper	1

Assembly Steps		
①	Remove enclosure from packaging and discard provided hardware.	
②	Align rear faceplate to end of enclosure as shown. Notice grooves on top of enclosure.	
③	Assemble faceplate with flathead screws (4) torqued to 4"-lbs.	
④	Ensure minimal gap between faceplate and enclosure	
⑤		⑤

Tool	Description	Qty
N/A	Torque driver, Phillips bit	1

Notes:

Step: Assembly of Rear Faceplate
Title: FlexRadio Assembly
Doc P/N: 123-240-030-030
Date: 4/7/2017



Torque Requirement: 3"-lbs for screws  
9"-lbs for SMA connector

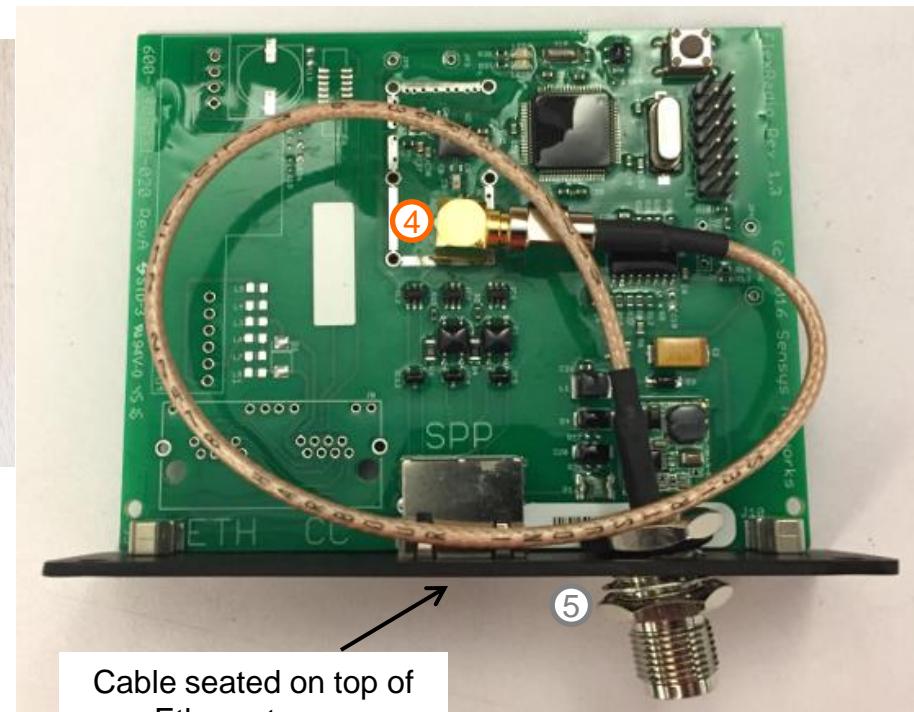
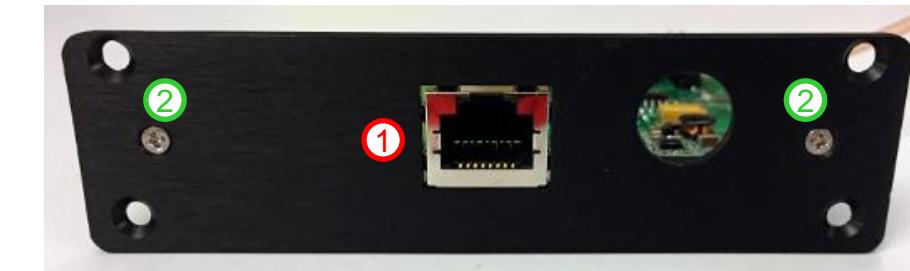
Item	Description	Qty
320-240-030-054	Faceplate,Front,Black	1
321-240-030-043	Screw,2-56x1/4",PFH	2
350-240-020-017	Cable,Assy,SMA-RPTNC	1

#### Assembly Steps

- ① Align front faceplate onto board aligning Ethernet jack.
- ② Assemble with 2-56 screws (2) torqued to 3"-lbs.
- ③ Place gasket (included with cable assy) onto RPTNC connector.
- ④ Assemble cable onto SMA Jack on board and torque to 9"-lbs.
- ⑤ Route cable as shown and insert into hole on front faceplate ensure gasket is on connector

Tool	Description	Qty
N/A	Torque driver, Phillips bit	1
N/A	9"lb torque wrench	1

#### Notes:



Step: Assembly of Front Faceplate
Title: FlexRadio Assembly
Doc P/N: 123-240-030-030
Date: 4/7/2017      Rev A      Page 4

Torque Requirement: 4"-lbs

Item	Description	Qty
321-240-030-044	Screw,M3x10mm,PFH	4
360-240-001-013	Lbl,weatherproof,1.75x.5	1

#### Assembly Steps

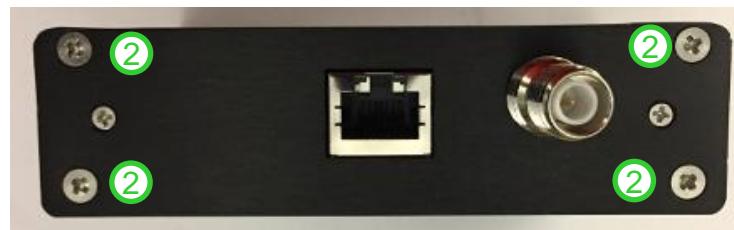
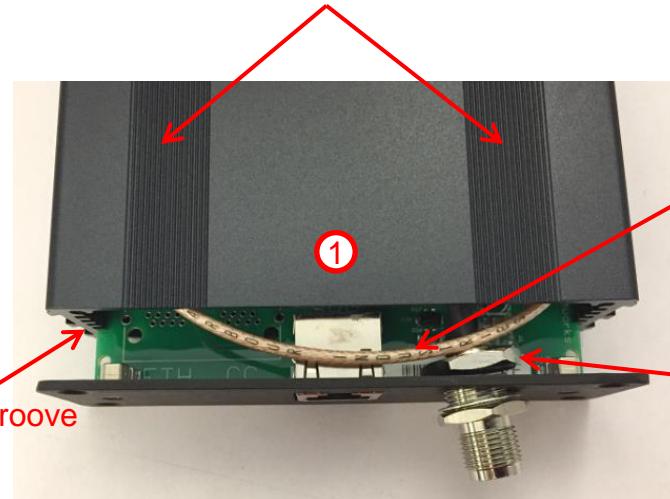
- ① Slide PCBA into enclosure along bottom groove as shown.
- ② Assembly faceplate to enclosure with flathead screws (4) torqued to 4"-lbs.
- ③ Ensure minimal gap between faceplate and enclosure.
- ④ Keep star washer and nut included with cable assembly until later in process.
- ⑤ Print and apply serial number as shown on bottom of unit.

Tool	Description	Qty
N/A	Torque driver, Phillips bit	1

#### Notes:

Ensure serial number on label matches board serial number.

NOTE: TOP of enclosure has GROOVES



FRONT



REAR

Step: Assembly of Front Faceplate

Title: FlexRadio Assembly

Doc P/N: 123-240-030-030

Date: 4/7/2017 Rev A Page 5

This concludes the mechanical subassembly. Continue with Final Test (see document P/N 121-240-030-XXX).

Clean surface with alcohol-based cleaner

After Final Test has been completed:



TOP (with grooves)

BOTTOM



Item	Description	Qty
360-240-030-034	Front overlay	1
360-240-030-035	Rear overlay	1
Included w/cable	Star washer	1
Included w/cable	Nut	1

Assembly Steps		
①	Adhere rear overlay ensuring copper side is on bottom of unit	
②	Adhere front overlay aligning connector holes.	
③	Place star washer and nut (included with cable assy) onto TNC connector.	
④	Torque nut to 12"-lbs.	
⑤		⑤

Tool	Description	Qty
N/A	5/8" deep socket	1

Notes:		
Step: Assembly of Overlays		

Title: FlexRadio Assembly

Doc P/N: 123-240-030-030

Date: 4/7/2017 Rev A Page 6

Item	Description	Qty
360-240-015-004	Lbl,weatherproof,2.63x1	1

Assembly Steps		
①	Print Model number label per 122-240-015-001 on weatherproof 2.63" x 1" label.	
②	On BOTTOM side of unit, adhere Model number label as shown.	
③		③
④		④
⑤		⑤

Tool	Description	Qty
N/A	Alcohol based cleaner	A/R

Notes:

Step: <a href="#">Assembly of Model Number Label</a>
Title: <a href="#">FlexRadio Assembly</a>
Doc P/N: 123-240-030-030
Date: 4/7/2017

Clean surface with alcohol-based cleaner

FRONT



BACK