VAISALA

TRITON PARTS RETURN PROGRAM

This document is provided to assist with the location and removal instructions for parts that are listed on the approved parts for return.

Please follow all safety guidelines and wear proper PPE when removing these parts from a Triton.

The following is a list of parts that have been approved for return and credit towards a new WindCube® lidar.

610-0037	ASSEM, Linux Board w/ Additional Connector	S/N 500 and Above
252672	Formatted SD Card Triton Linux Board	S/N 500 and Above
028-0010	SENSOR, Thermistor, Mini 10K Ohm, 3m	
610-0023	ASSEM, Triton, Baro/RH and Orientation	S/N 500 and Above
610-0024 (ASM211263)	ASSEM, Triton, Operator Panel (Inmarsat)	S/N 900 and Above
510-0043	TESTED, PCB ASSY, Triton MODEM Carrier II	
510-0001	TESTED, PCB ASSY, PC104DSP PCB	
510-0025	TESTED, PCB ASSY, Triton, Peripheral Board	
510-0016	TESTED, PCB ASSY, Triton, Heater Contr r.H	
610-0004	ASSEM, Triton Heater Pressure Transducer Assy	
125-0004	RELAY, 40A Automotive, 5 Terminals, Bracket	

The parts removal procedures will be divided into two parts, the Solar Panel side of the Triton and the Array Door side of the Triton.

SOLAR PANEL SIDE (OPERATOR PANEL)

SHUTTING DOWN AND REMOVING POWER FROM TRITON

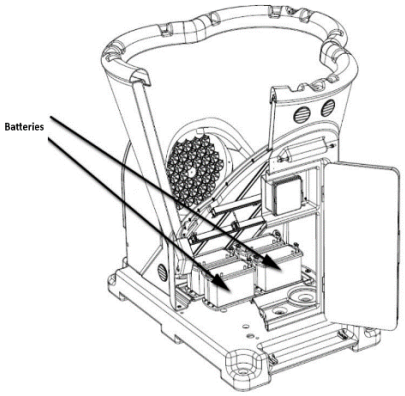
1.) Unbolt the two support bolts at the bottom of the solar panel frame.

2.) Have a second person assist in holding the solar panels up to allow access to the door or use a support to safely and securely prop the solar panels up to gain access to the door.

3.) Open the outside door and then open the operator panel cover

4.) Switch the Triton to the off position

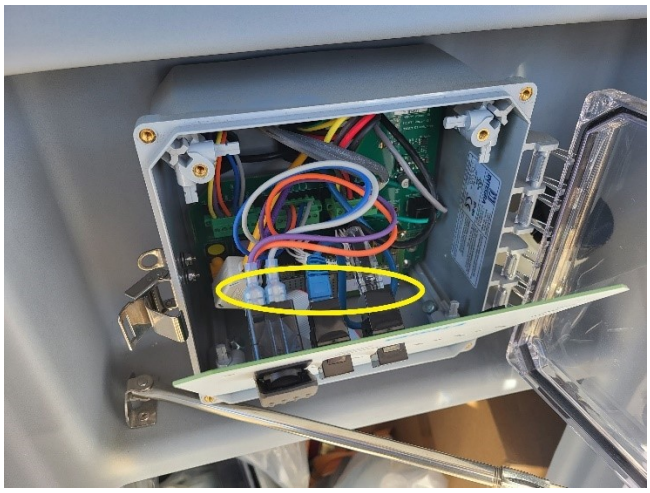
5.) Unhook all batteries (2-4 batteries) to assure no electrical current is running through unit.



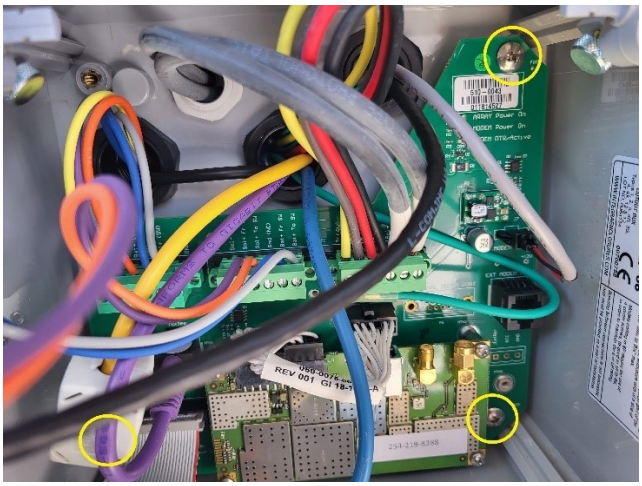
REMOVING THE OPERATOR PANEL, MODEM CARRIER, & MODEM

1.) Open operator panel by unlatching the door on the cover
2.) Unscrew the 4 screws securing the operator panel into the control box

3.) Unplug all of the connections and ribbon cable connected to the operator panel (PN: 610-0024)

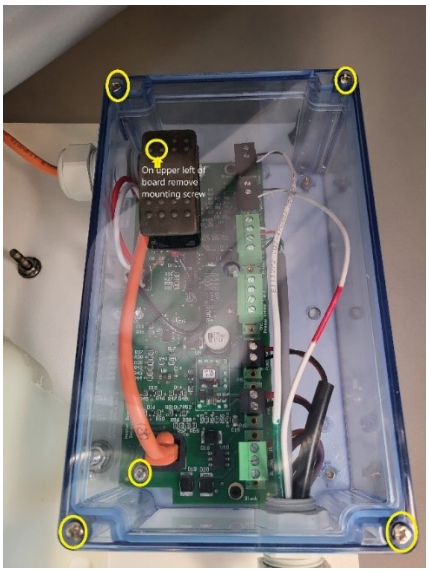


4.) Unscrew and remove the modem carrier (PN: 510-0043) board from control box

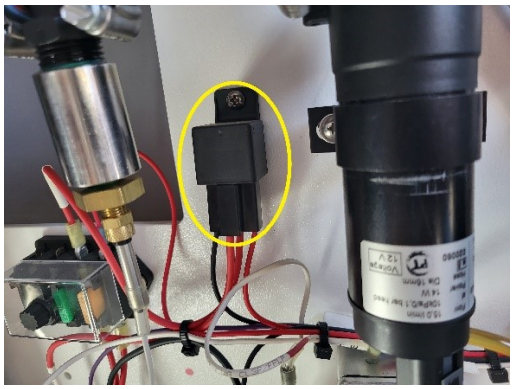


REMOVING THE HEATER CONTROL, TRANSDUCER ASSY, & 40A RELAY

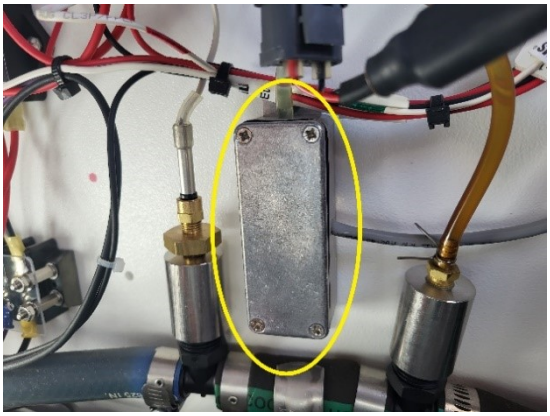
1.) On the inside of the door to the right-hand side locate the heater assy.
2.) Remove the cover on the Heater Board, unplug and remove all attached connections
3.) Remove mountain screws on the heater control board (PN: 510-0016)



4.) Unplug the connection to the relay (PN: 125-0004), unscrew mounting screws to remove.



5.) Unscrew the 4 screws on front of Pressure Transducer (PN: 610-0004) then unscrew the mounting screws inside the casing.



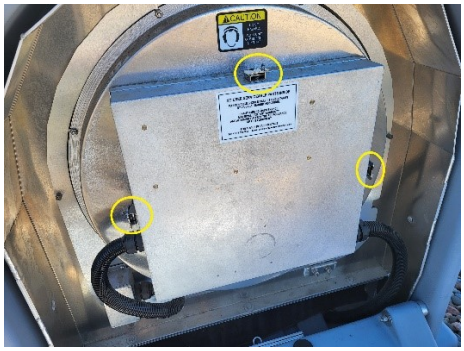
ARRAY DOOR SIDE (SPEAKER ASSEMBLY)

1.) Open the Array Door by stepping on the foot latch

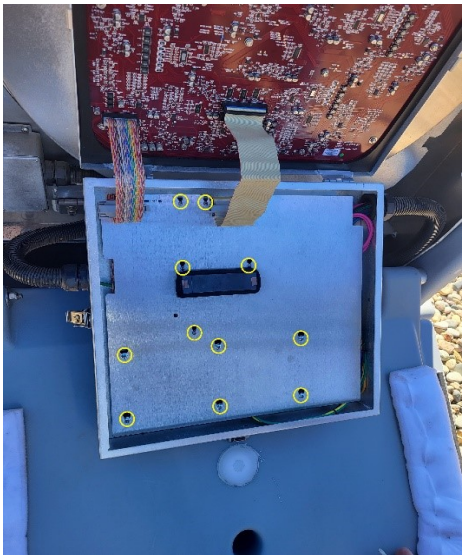
2.) Lay the door down to allow access to the back of the array

REMOVING THE LINUX BOARD, SD CARD, PC104DSP, AND PERIPHERAL BOARD

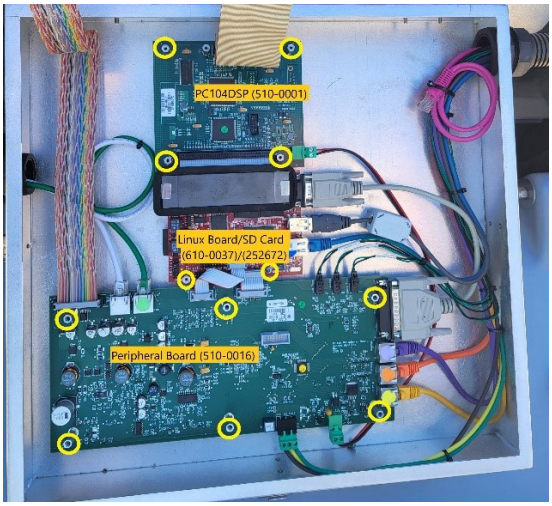
1.) Open Array control cabinet



2.) Remove all screws to remove cover panel



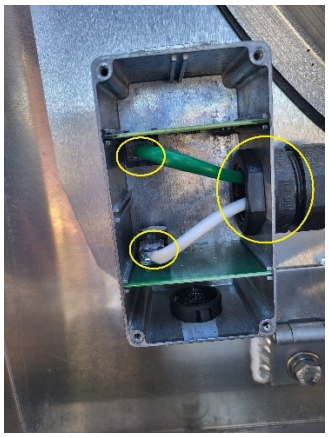
3.) Unhook all cables and ribbons from each of the boards, then remove each component: Linux Board (PN: 610-0037) with SD Card (PN:252672), PC104DSP (PN:510-0001), and Peripheral Board (PN:510-0025)

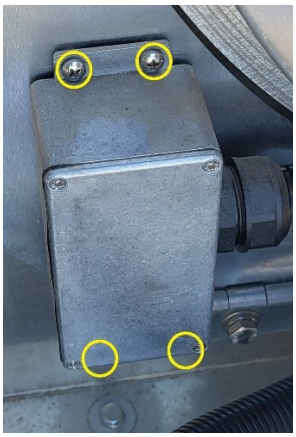


REMOVING THE BARO SENSOR & THERMISTOR

1.) Remove Baro sensor (PN:610-0023) by removing the four screws on the cover

2.) Remove the cables from the inside and unscrew the conduit from the side then remove the four mounting screws to take the Baro off the triton.





3.) Remove the thermistor (PN:028-0010) by cutting the cable and removing it from the bottom of the solar shade.