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DISMANTLING AND TREATMENT INFORMATION

Dart Vision Reader UWD-1000-A-0xxx

Conforms to **Waste electrical and electronic equipment (WEEE)**
2002/96/EC

Category 3 product according Annex IA

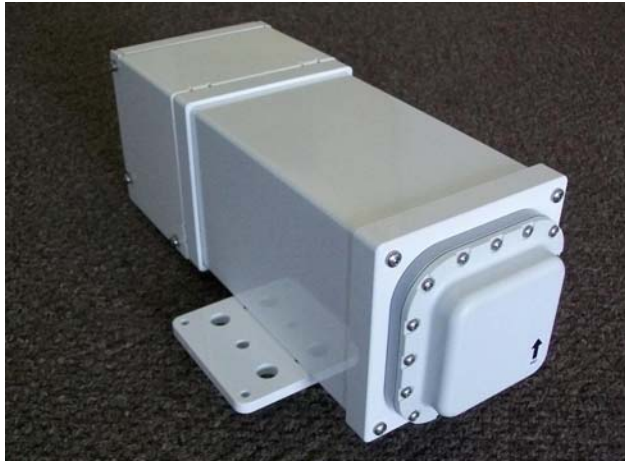
Date: 4 October 2011

Zebra Technologies
2940 North 1st Street
San Jose, CA 95134
www.zebra.com

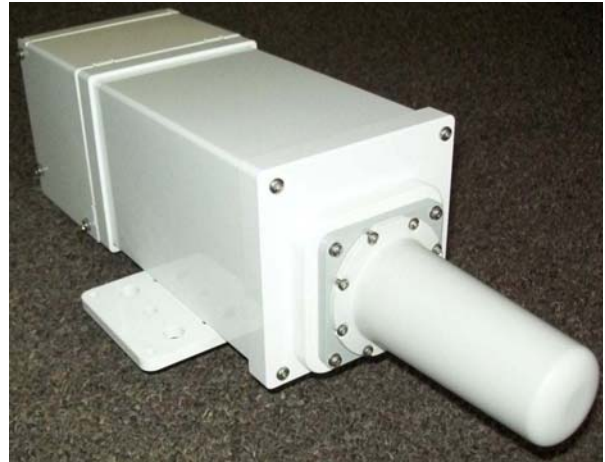
Reuse and treatment information

Material	Weight [g]	Weight [%]	Important Information
Waste Disposal (WD)			
Ceramic	0	0	
Subtotal	0	0	
Recovery Operations (RO)			
Leather	0	0	
Rubber / elastomere	3.8	.15	
Sealant compound	0	0	
Foam	0	0	
Wood	0	0	
Subtotal	0	0	
Aluminium alloy cast			
Aluminium alloy cast	1960	76.44	
Aluminium alloy wrought	0	0	
Battery	0	0	
Cable	0	0	
Cable with plug	85	3.32	
Carton	0	0	
Copper	0	0	
Copper Alloy	0	0	
Gas	0	0	
Glass Optical	0	0	
Iron	0	0	
Liquid	0	0	
Magnesium alloy	0	0	
Magnetic material	0	0	
Metal nonferrous	290	11.31	
Paper	0	0	
Plastic	40.8	1.59	
Plug	0	0	
Printed circuit board	164	6.40	Remove printed circuit boards (3) from the Assembly and (1) from the Antenna
Sintered material	0	0	
Steel	0	0	
Steel stainless	20.5	.79	
Textile material	0	0	
Subtotal	0	0	
Re-Use (RU)			
Subtotal	0	0	
Total weight	2564.1 g	100%	

Product identification and selective treatment information



171.45 mm Width x 107.95 mm Height x 279.4 mm Long (with Mid/High Gain Antenna)



171.45 mm Width x 107.95 mm Height x 381 mm Long (with Omni)

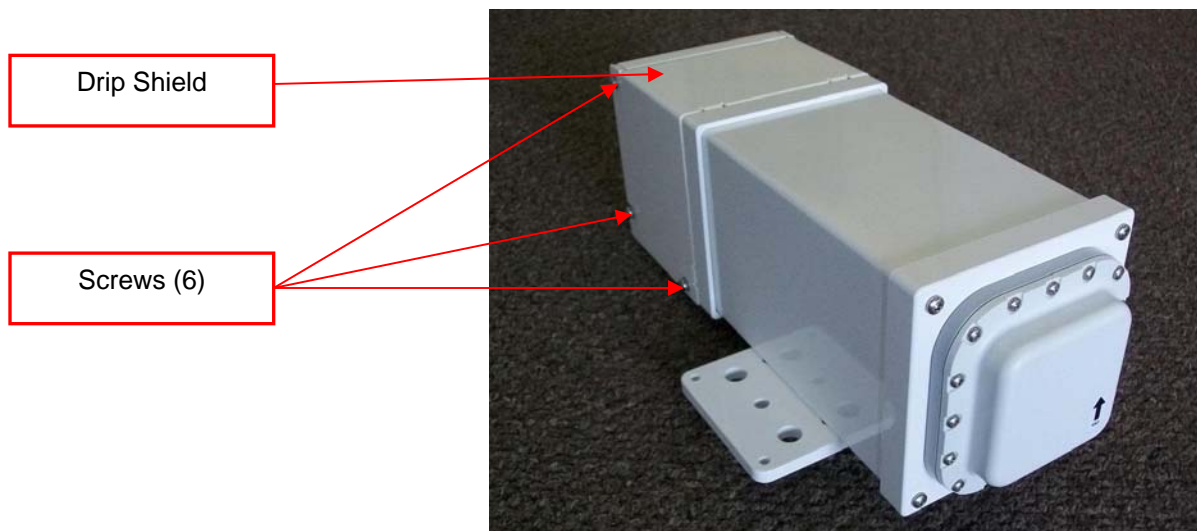


Product Description:

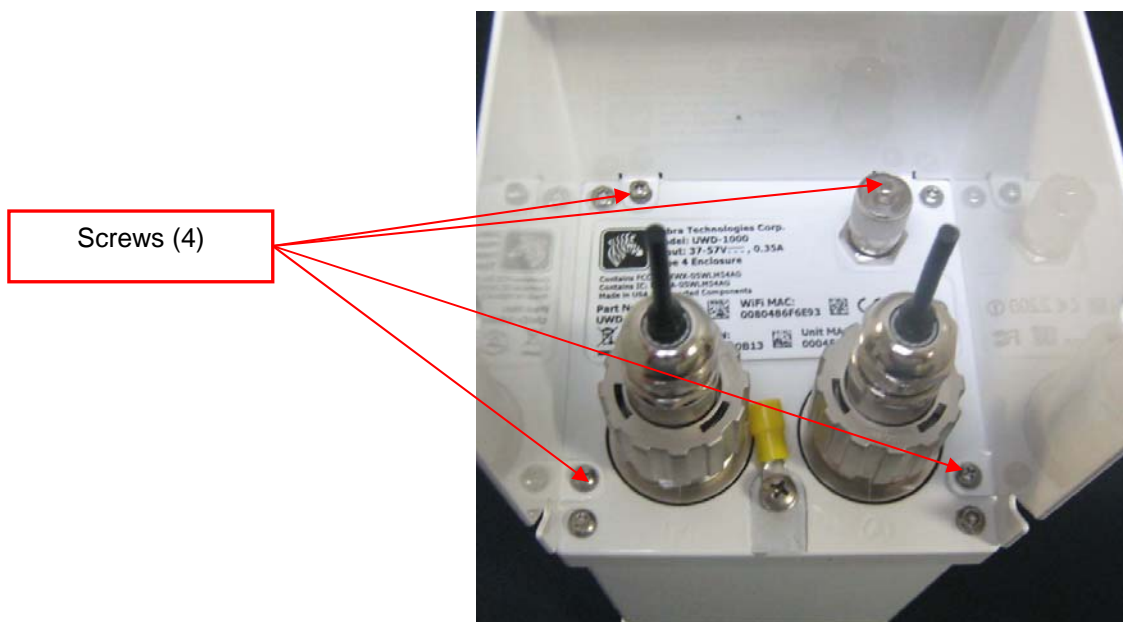
The Dart Vision Reader provides robust presence detection for inventory and personal access control. Utilizing patented short-pulse, Ultra-Wideband (UWB) technology, the Dart Vision Reader offers a detection level that exceeds the capabilities of other Radio Frequency Identification (RFID) technologies. The Dart Vision Reader portfolio offers three standard integrated antenna (High-Gain, Mid-Gain and Omni) models to optimize the infrastructure required to achieve the robust presence detection. Each Reader can simultaneously receive thousands of signals emitted by Zebra's active UWB DartTags with a read range upwards of 650 ft with the High-Gain model.

Dismantling Instructions

A) Open Drip Shield by loosening six (6) screws as shown below (3 on each side):



B) Remove Drip Shield by unscrewing four (4) screws as follows:



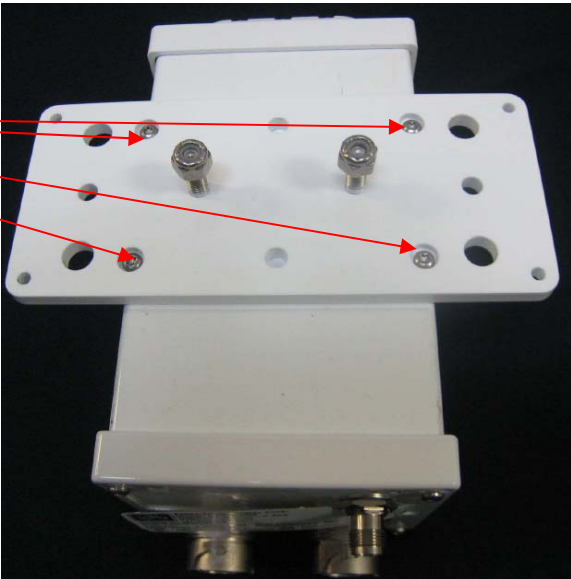
C) Remove four (4) Connectors as follows:

Connectors (4)

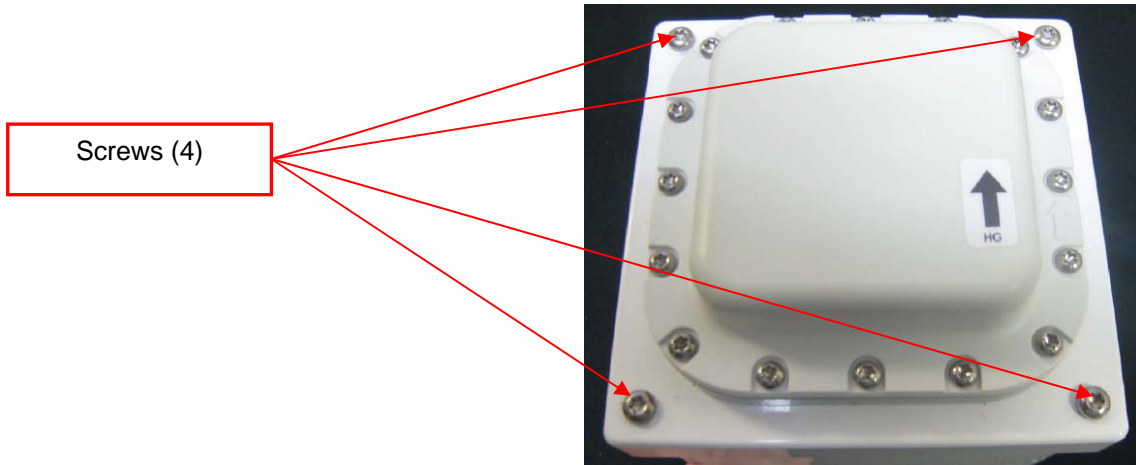


D) Remove Mounting Plate by removing four (4) screws:

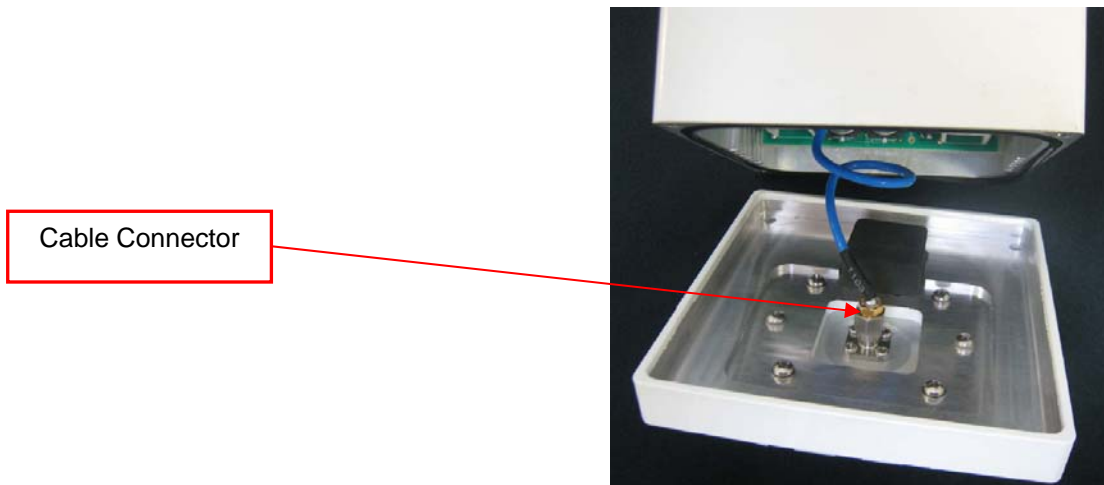
Screws (4)



E) Remove Front End Cap and Antenna by removing four (4) screws:



F) Remove Front End Cap from Printed Circuit Board Assembly by unscrewing the SMA cable as follows:



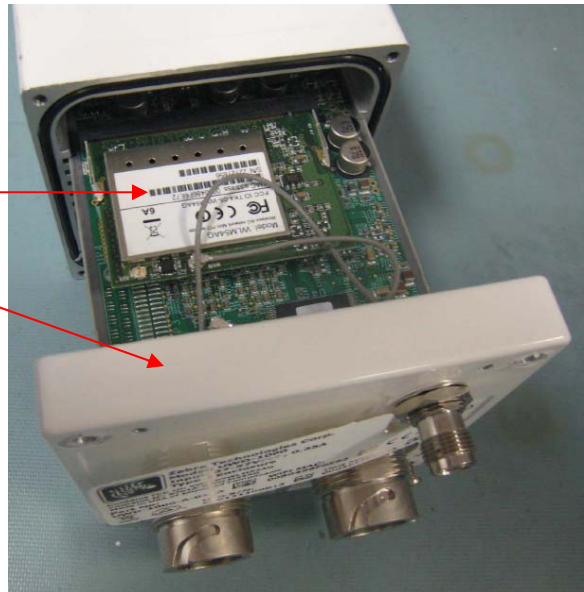
G) Remove four (4) screws from the Rear End Cap in preparation of removing PCBAs:

Screws (4)



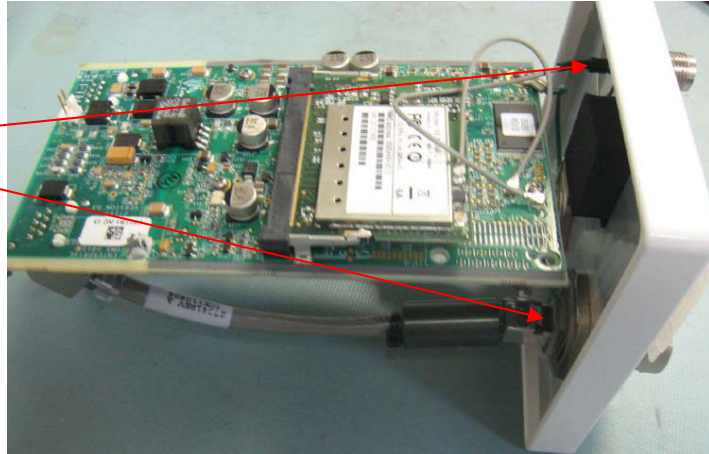
H) Pull the Rear End Cap along with the PCBAs as follows:

PCBAs (3) and End Cap



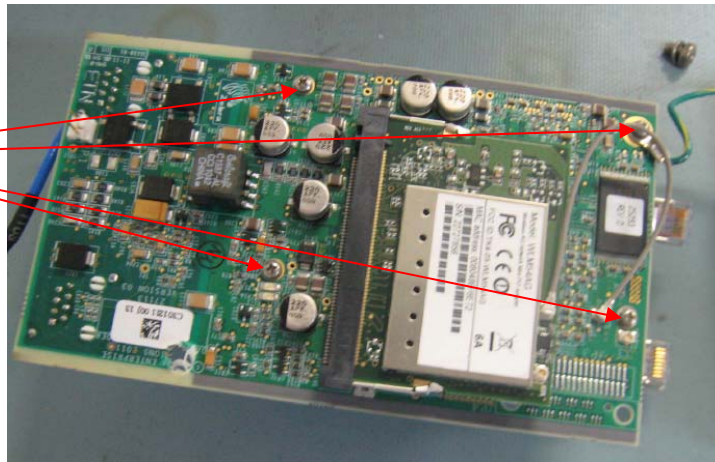
I) Remove the PCBAs from the End Cap by unplugging three (3) cables and unscrewing one (1) cable as follows:

Cables (4)



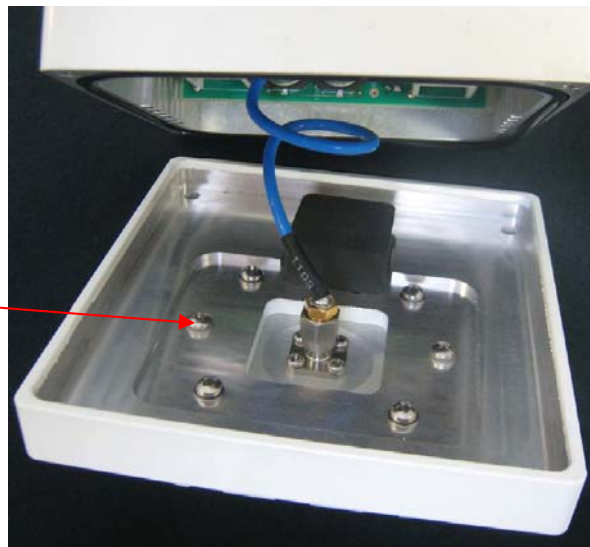
J) Remove final Cable Assemblies and remove two PCBAs by unscrewing four (4) screws as follows

Screws (4)

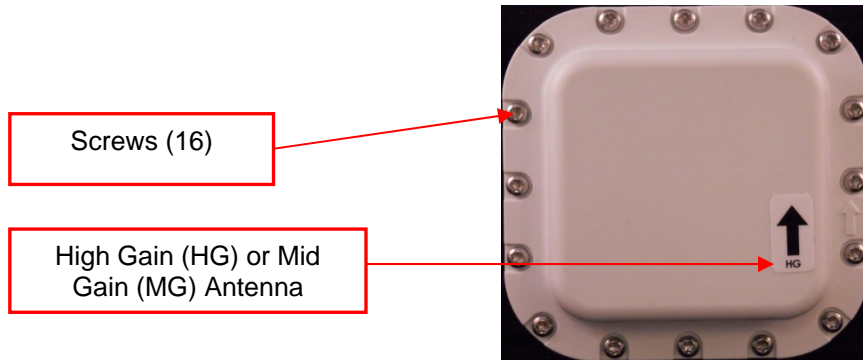


K) Remove Antenna from Front End Cap by unscrewing six (6) screws.

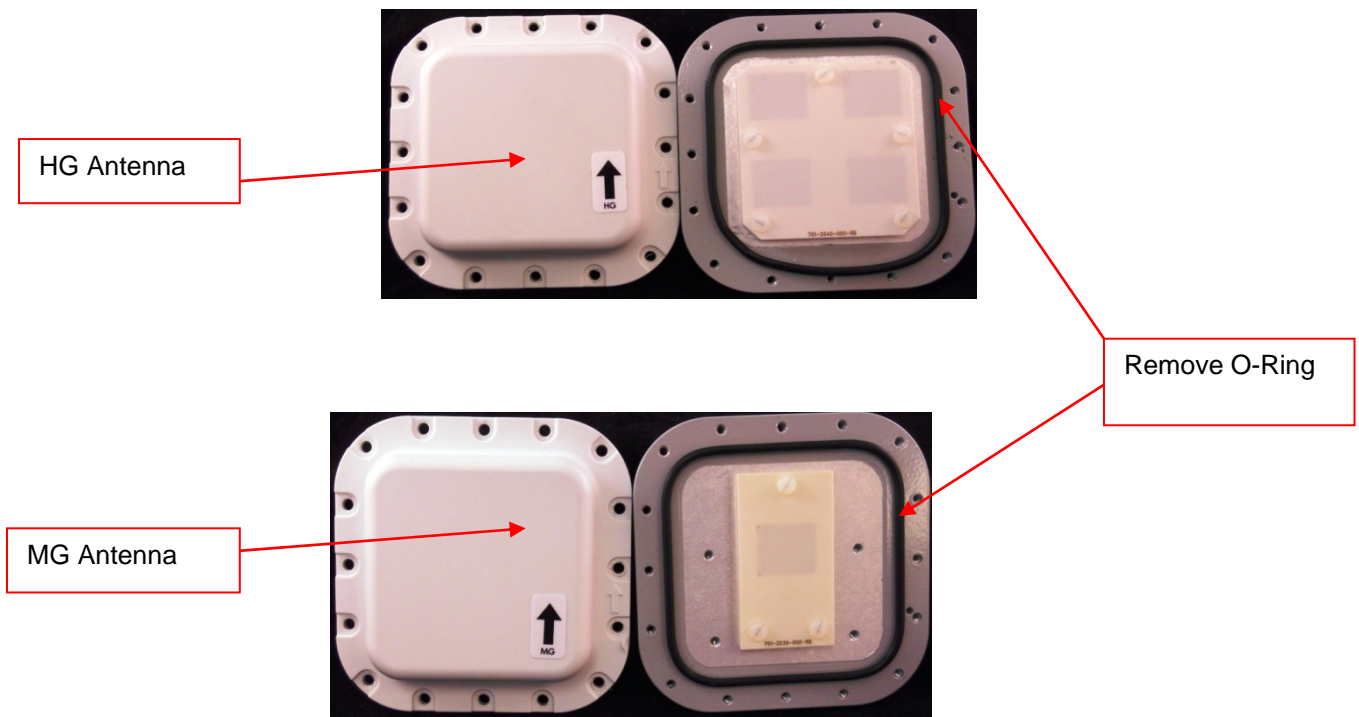
Screws (6)



L) Remove 16 screws from High Gain (HG) or Mid Gain (MG) Antenna assembly.

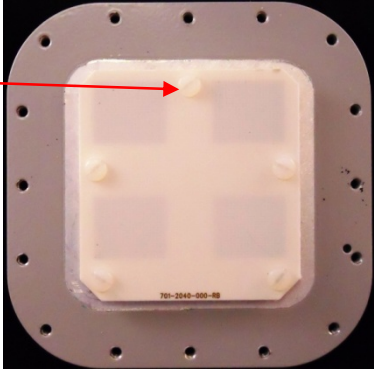


M) Remove the Radome, and then remove the O-Ring.

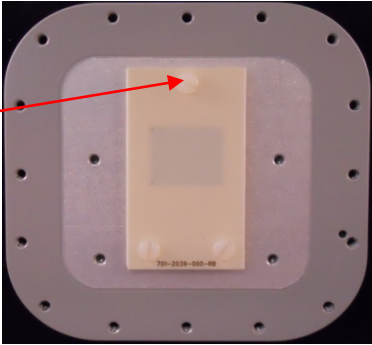


N) Remove 5 Plastic Screws and 5 plastic spacers.

Screws and Spacers
(High Gain Antenna)

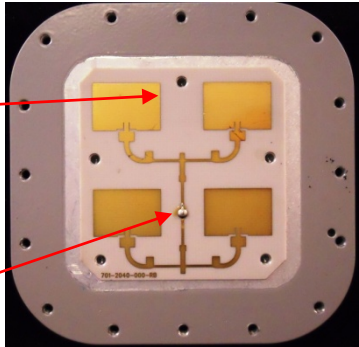


Screws and Spacers
(Mid Gain Antenna)



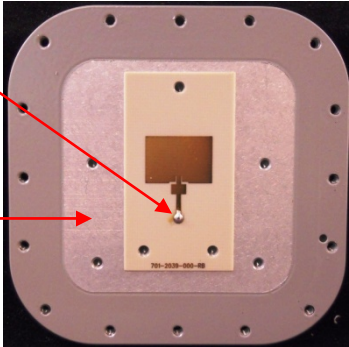
O) Remove solder from the PCB connector point.

High Gain Antenna



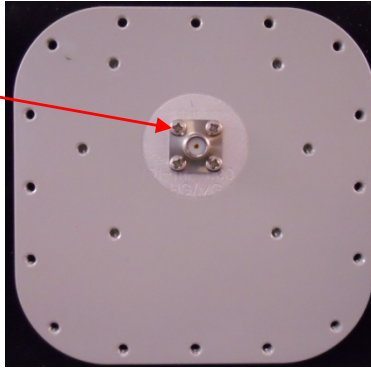
Remove Solder

Mid Gain Antenna



P) Remove 4 screws from the back of the Plate.

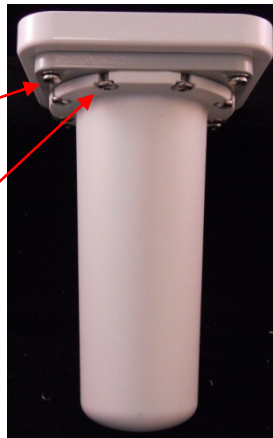
Remove 4 screws



Q) Omni Antenna Dismantling - Remove four (4) screws that secure the Omni to the plate. Then remove eight (8) screws around the Radome.

Remove screws (4)

Remove screws (8)

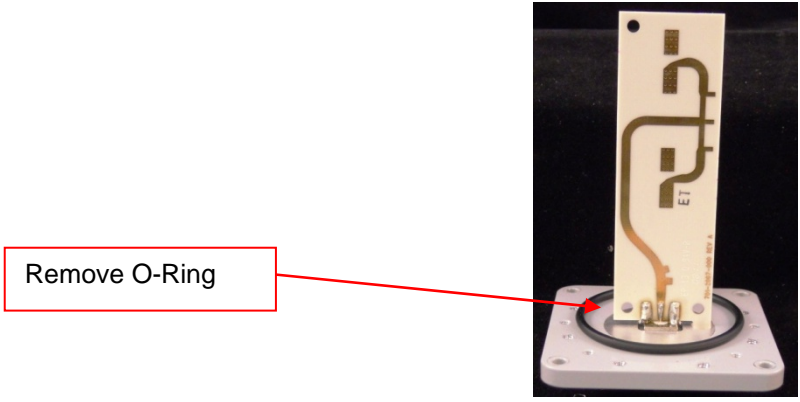


R) Remove the Radome from the plate.

Remove Radome



S) Remove the O-Ring from the Plate.



T) Remove the Nut from the backside of the Plate, then remove the Antenna Assembly.

