

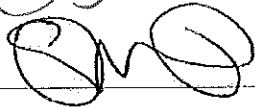


**Field Service Spares Replacement Procedure – Wire Rope Isolators,
XX06RZA, XX09 & XX10**

Approval:

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Revision History

Rev.	ECO	Description of Change	Date
A	8801	Initial release	08-12-2011
B	9041	Clerical revisions	10-18-2011

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1. Brief Summary:

Troubleshooting document for inspecting and replacing damaged wire rope isolators on the XX06RZA, XX09 and XX10 series antennas.

2. Wire Rope Isolator Inspections:

Wire Rope Isolators should not be frayed, completely compressed, or otherwise damaged. The metal bars on the top and bottom of the wire-rope isolators should not be bent or bowed in any way. If there is any evidence of rust, broken strand(s) of wire or bent bars in any one of the wire-rope isolators all four of them must be replaced immediately.



Rust from wire rope



Torn wire

3. Replacement Procedure Wire Rope Isolators:**3.1. Tools.**

- 7/16" wrench/Spanner
- Loctite 2670

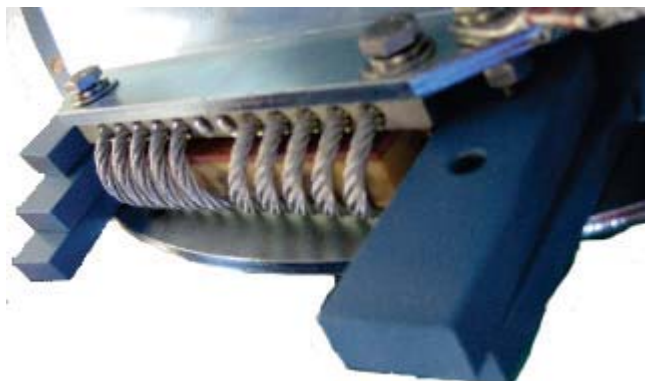
3.2. Procedure.

Procedure for replacing the base plate wire rope isolators, Sea Tel kit part number: 129980-2 for the 4006RZA 4009, 4010, 5009 and 5010 pedestals and part number: 129978-2 for the 6006RZA and 6009 pedestals.

***CAUTION:** Power down the pedestal before following this procedure.

1. Place a wooden wedge (or balance weights as shown in the photo to the right) in between the upper and lower base plates on both sides of one wire rope isolator.

***Note:** If using balance weights as a wedge, exercise caution so that you do not scratch the zinc coating from the base plates.



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2. Using a 7/16" wrench, loosen, remove and discard the bottom bolts at each end of the wire rope isolators.

3. Loosen, remove and discard the top bolts at each end of the wire rope isolator. Now remove the old isolator by sliding it out towards you.



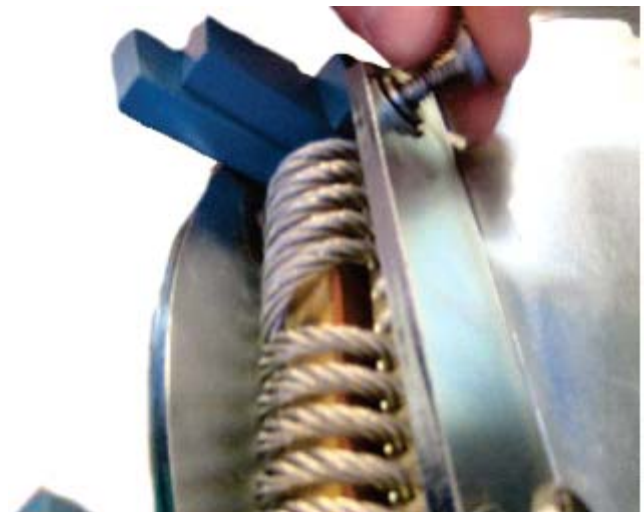
4. Slide the replacement wire rope isolator into place in between the upper and lower base plates.

***Note:** install the isolator in the orientation as shown on the right.



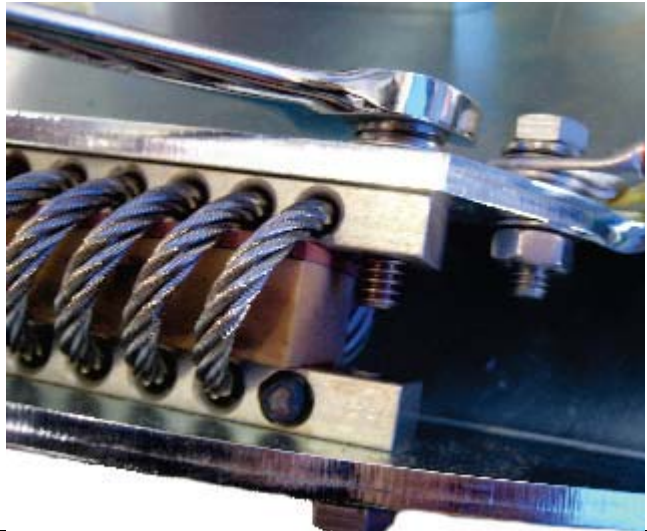
5. Apply Loctite 2760 to two 1/4"-20 x 5/8" bolts provided in the kit. Place one lock washer and one flat washer on each bolt. Insert the two bolts through the top plate and engage by a couple of turns. Do not tighten the bolts at this stage.

6. Apply Loctite 2760 to the two 1/4"-20 x 7/8" bolts provided in the kit. Again, place one lock washer and one flat washer on each bolt and place them into the bottom bolt holes. Move the isolator as required to align the holes and tighten the bolts.



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7. Torque the upper and lower bolts to 75.3 KG-cm (75 inch pounds).



8. Repeat steps 1 through 8 to replace each of the other 3 wire rope isolators.

***Note:** Base assembly shown removed from pedestal for illustration purposes.

