

## Technical Notification

Document number: 97-131088

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February 2010

### Condensation, Fleet Broadband antenna 3050A/C

**Subject:**

Condensation in FBB antenna due to wrong installation.

**Priority:**

- **HIGH:** It is highly important to follow the installation guideline.

**Identification:**

Water damage due to blocked drainage hole or no clearance between the antenna and the hull.

**Action:**

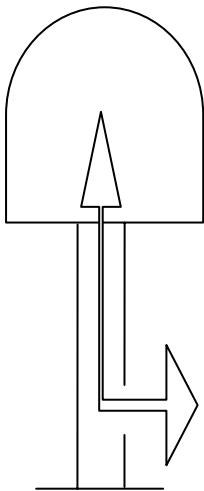
In some cases there will be condensation inside the radome. The gasket in the bottom center of the SAILOR 250-150 Fleet Broadband antenna is designed to lead any water away from the radome. Make sure this draining gasket is not blocked. If the antenna is mounted on a pole, make sure the pole is hollow inside and open at the bottom, allowing water from the gasket to escape and providing ventilation for the antenna.

If the antenna is mounted on a flat surface, use 10 mm spacers (washers) at each bolt so that the gasket in the center of the antenna bottom is free and water can escape.

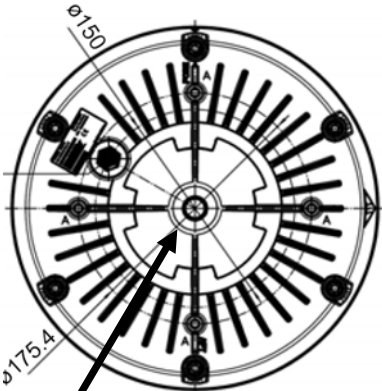
Follow the installation guideline in the installation manual.

See appendix I

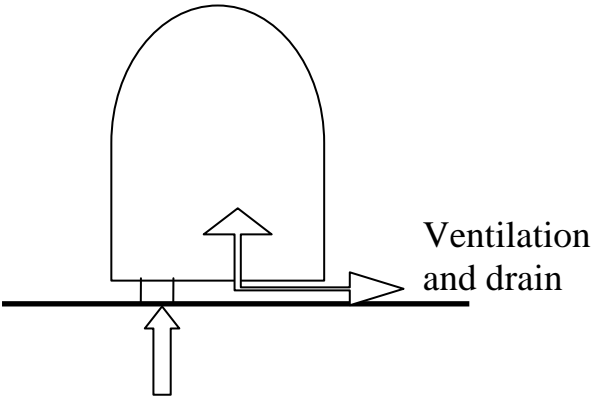
## Appendix I



Ventilation  
and drain

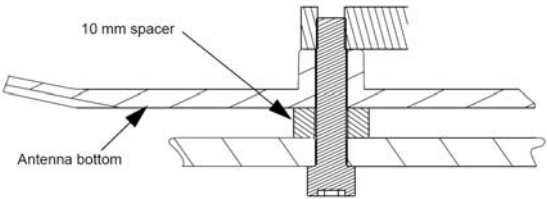


Drainage hole



Ventilation  
and drain

10mm thick spacers between deck  
and dome



**Note:** The drainage holes at the center of the antenna must have a clearance of 10 mm above the base plane, and **must NOT be blocked**. Use spacers to “lift” the antenna. If the base plane is curved, it may be necessary to place extra spacers to ensure the clearance of 10 mm.

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