



The DZ Company, LLC
4321 W. Eisenhower Blvd.
Loveland, CO 80537
970-667-2254

Sienna Construction Note

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Bottom cover plate installation

1. The bottom cover plate that is used to cover up the filters and PC access openings can only be installed one way. However, it is possible to install it such that the four corner holes line up but the middle ones do not. Even though the plate looks symmetric, it is not. If your screw holes do not appear to line up, remove the plate, turn it over and rotate it 180 degrees. The pictures below show how it looks when incorrectly and correctly positioned.

Incorrect – note the poor alignment of the middle four holes



Correct – all eight holes line up



2. Most Inrad filters protrude only a small distance below the bottom, and the plate compresses them slightly when it is installed. However, the 10-pole 2.4kHz 9.0015MHz Inrad crystal filter (Option 205) is taller than the other Inrad filters and protrudes quite far into the opening. Although it will compress sufficiently when the plate is screwed down, it puts excess strain on the IF filter board which could cause failures in the future. We intend to solve this by providing a conductive gasket for this plate that will lift it off the bottom, but until those are available, we recommend that you 1) use the standard 4-pole filter, 2) leave the cover plate off when using Option 205, or 3) Add metal washers (and longer 6-32 screws) between the inside of the plate and the bottom chassis. The latter choice will of course cause a slight gap between the cover plate and the bottom chassis, but this should not cause any other problems.