

RUBIDIUM PRODUCT COVER REPLACEMENT

ISSUE

The chassis cover on certain products may require replacement. This applies to products with the Rubidium oscillator option that were shipped between August 28, 2007 and October 2, 2007. Operation with the wrong cover can cause temporary oscillator performance degradation under certain operating conditions.

UNITS AFFECTED

Model Number	Serial Number
3014-0007-000	07090047 & 07090048
3015-0007-000	07080047 & 07080048
3019-0102-000	07090052 & 07090053

VERIFICATION PROCEDURE

1. Compare model number and serial number, located on rear panel of chassis, to the above list. If they match, perform Step 2 and Step 3. If the serial number does not match, no further action is necessary.
2. Examine top cover and determine quantity and location of black oxide Phillips screws. Note that the screws are the same color as the cover and you will need a clear view of the top in order to see them -- It may be necessary to remove the chassis from the rack to verify screw configuration. All covers have a row of screws along the back edge and two screws close to the front edge. The proper cover for a Rubidium-based product has an additional pattern of 4 screws in the center of the cover. See Figure 1 below.

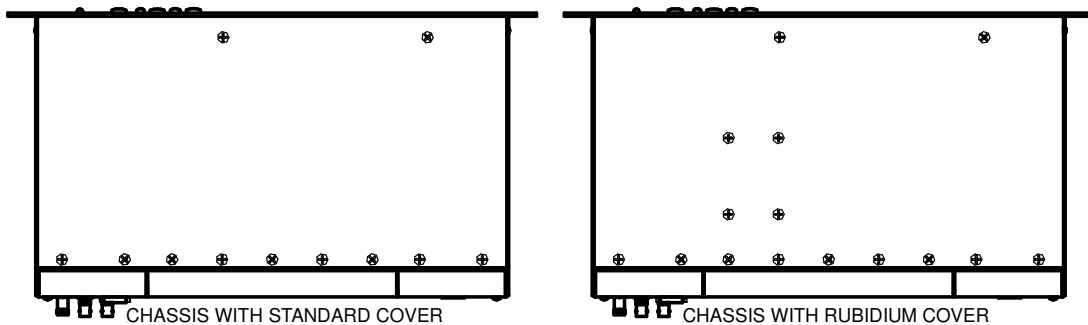


FIGURE 1 - Comparison of Standard Cover and Rubidium Cover

3. If the product is one of the above-listed units AND it has a standard cover without the extra pattern of screws, then proceed to the Cover Removal Procedure on following page. If the unit has a Rubidium cover with the extra pattern of screws, no further action is necessary.

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COVER REMOVAL PROCEDURE

Caution – Be sure to remove AC power plug from back of unit before performing this procedure.

1. Remove chassis from rack and refer to Figure 2 for screw locations.

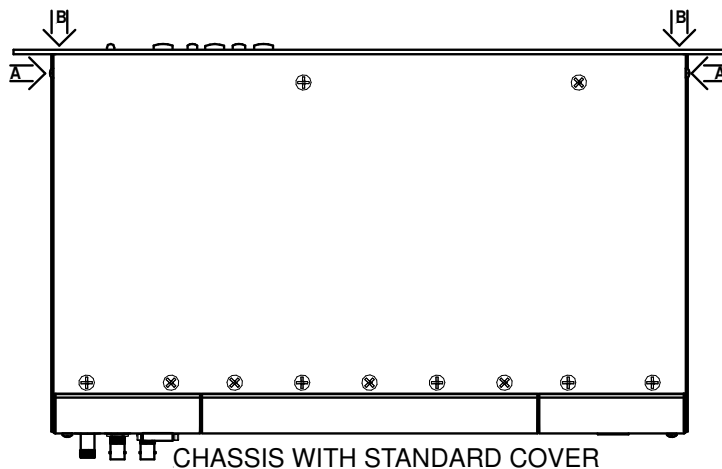


FIGURE 2 - Standard Chassis Cover Screws

2. Remove the top screw on each side as indicated by Arrow A.
3. Remove the 11 top screws.
3. Loosen (2-3 turns) the 4 front panel screws indicated by Arrow B and pull front panel slightly forward against screw heads.
4. Shift the cover forward and lift at rear corners so that the lip of the cover is above the rear panel.
5. Slide cover slightly towards rear and lift to remove.
6. Proceed to Cover Installation Procedure on following page.

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COVER INSTALLATION PROCEDURE

1. Verify Replacement Cover Kit contents and refer to Figure 4 for screw locations:

<u>QTY</u>	<u>Description</u>
6	Black Oxide Cover Screws (includes 2 extra)
1	Rubidium Chassis Top Cover

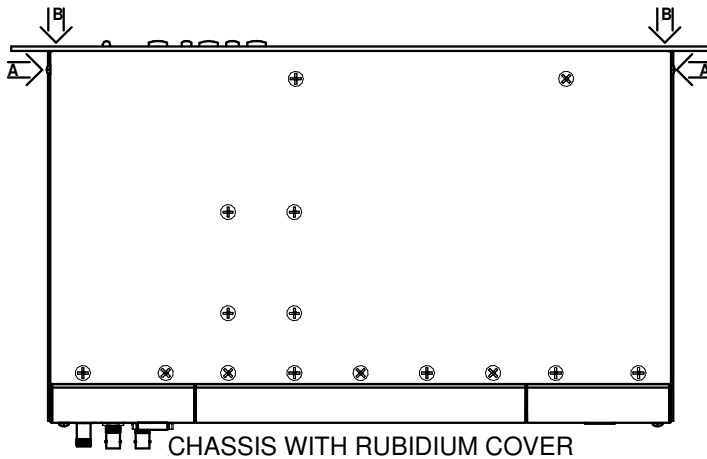


FIGURE 4 - Rubidium Chassis Cover Screws

2. Insert front edge of cover into groove behind front panel.
3. Firmly lower rear edge of cover onto chassis until seated.
4. Re-tighten the 4 front panel screws (B).
5. Install the 15 black oxide cover screws.
6. Install the 2 side screws (A).
7. Re-install chassis in rack.