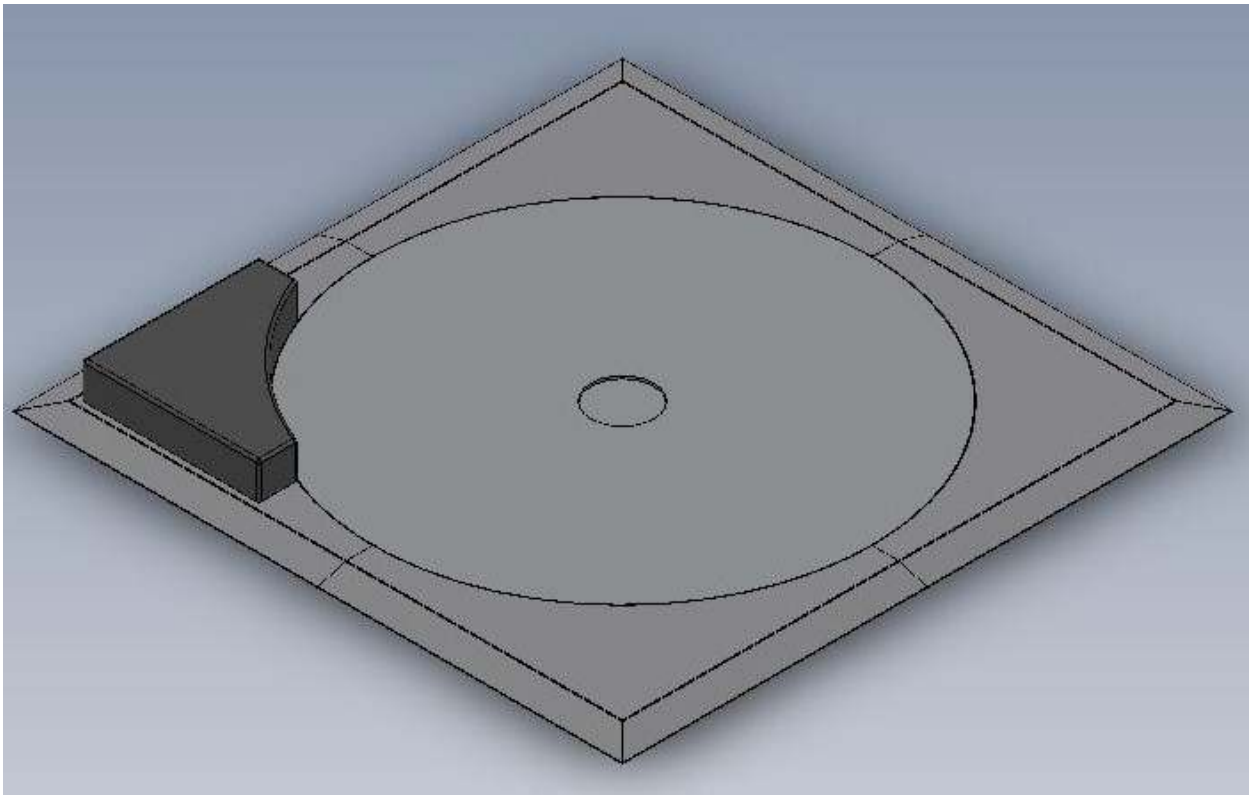
Raymond EMC
Spira Table

Installation Manual



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1. RAYMOND EMC Spira table

Raymond EMC Spira Table is designed to fit in or replace existing shielding panels by clamping in place using the standard hat and flat system. If the table is ordered with a new shield the floor will be adjusted to accommodate the unit. If the table is ordered for an existing shield, drawings will be provided depicting the size of the cutout. The end user will need to identify its location and orientation.

2. New shield installation

2.1. Start by building the shield as per drawings. If the table is shipped with the shield no fill in material will be shipped. The shield will go up with a hole at the location of the table. To simplify the installation, ensure that the provided mitered hats are installed during the layout of the floor.

If by chance the table ships later, filler material will be provided. Build the shield as per drawings using the filler material. This material will be removed during the installation of the table

2.2. Receive the table, unpack and inspect the unit. Note any deficiencies and contact Raymond EMC if noted. Other wise proceed with the installation.

2.3. The table clamps in place just like a panel. To get to the clamping edge some dismantling of the unit is required.

2.4. Remove the motor cover by removing the two 5/32 flat head screws located at both ends. Careful removing it as the fiber interface module is Velcro to it as well as some electrical wires.

2.5. Next the corner wings and ramps are to be removed. Note the location of all pieces prior to disassembly. Remove all 5/32 flat head screws holding the pieces and remove all.

2.6. If not already done remove the flats and/of filler material at the table location. Clean and scratch the framing and table channel. Please remember that the clamping edge of the table is to be treated in the same manner as a panel. THIS IS YOUR RF SEAL.

2.7. Place table in the cut out noting orientation for the AC power and fiber link. **Discuss with the customer their preferred orientation**.

2.8. Clamp in place using standard shielding method ensuring that the corners are foiled and wooled.

2.9. With table installed the corner wings and ramps can be reinstalled. Ensure all pieces are returned to their original position. Torque all 5/32 flat head screws to 60 in/lbs.

2.10. Run provided fiber through the 5/8 grommet on the motor cover. Fiber cables are very fragile, ensure it is never stepped or kinked. Plug into the Black box fiber converter with A1 to XMT and B1 to RCM.

2.11. Reinstall the motor cover. Carefully with routing of the fiber. Place cover over the wing and tighten in place.

2.12. Locate the position of the fiber penetration. Install ½" waveguide as per standard shielding method.

2.13. Within the shield in a manner that minimized it's exposure, run the fiber through he waveguide

2.14. Install second Black box converter using provided Velcro on the outside of the shield. . Plug fiber into converter with A2 to XMT and B2 to RCM. Plug AC wall wart to facility power. Plug provided RJ45 cable into the converter.

2.15. Back on the inside of the shield plug in provide AC cord to the mil style connector on the table to an outlet within the shield. The table is protected with an power/breaker switch located on the motor cover. Ensure that switch is properly set.

2.16. The customer is now ready to install the software and plug the RJ45 into their computer.

3. Existing shield installation

3.1. Existing shield installation is as simple as a new shield installation.

3.2. Taking into consideration existing framing position and orientation locate the table within the shield

3.3. Mark the shield floor as per provided drawing. Provided dimensions are the exact size of the cutout. Please follow closely as the provided mitered framing will interface with this cutout

3.4. Remove all framing and panels that need to be modified. Adjust as per previous makings and reinstall using preferred shielding method. To

simplify the installation, ensure that the provided mitered hats are installed during the layout of the floor

3.5. Continue installation as per section 2.2

4. Basic Parts Layout