

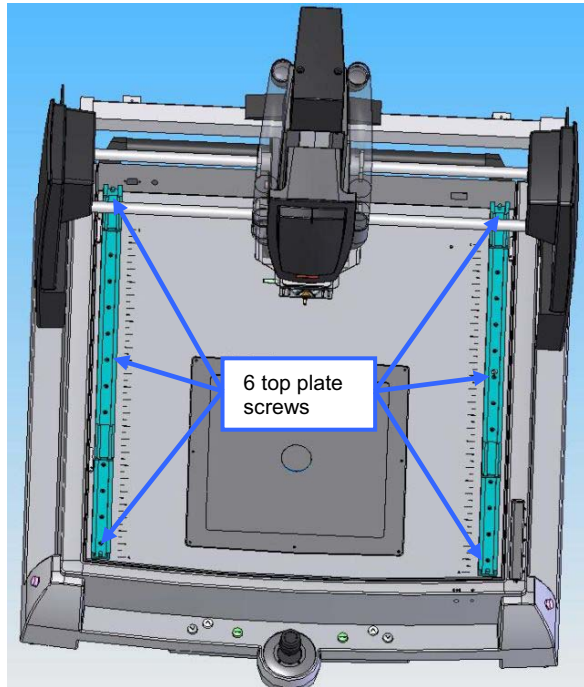
Chassis Assembly

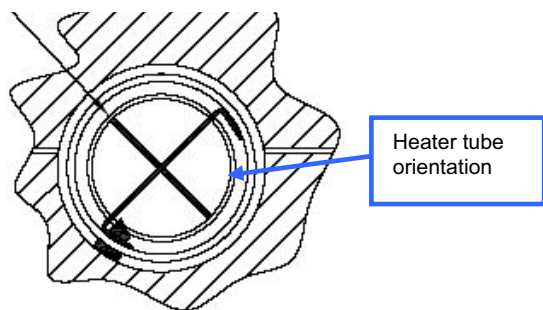
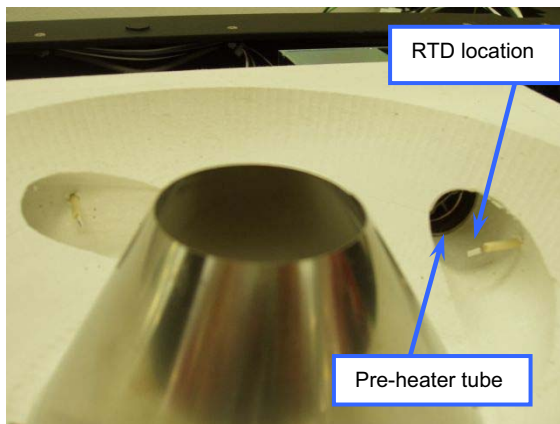
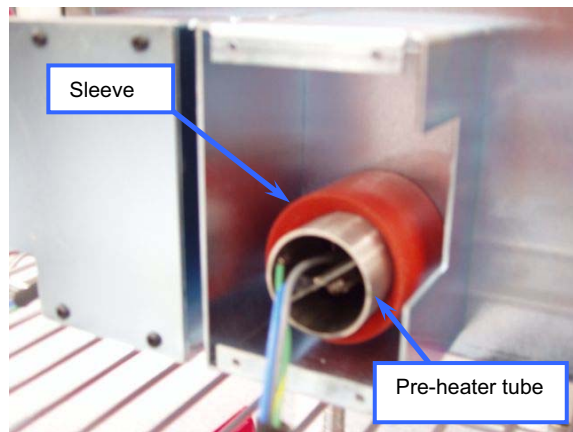
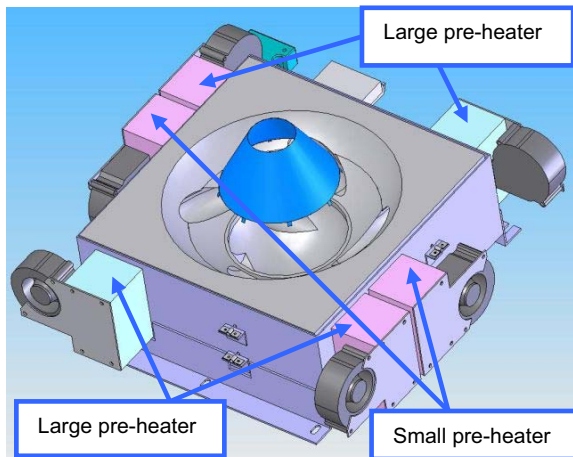
Removal of the Top Plate

REQUIRED TOOLS:

7/64" hex key

1. It will be necessary to remove the top plate to perform replacement procedures for the chassis assembly and some procedures for the base assembly.
2. Remove the (6) top plate mounting screws. On both ends of the rail mount channels these will be the 2nd screws in from the end, as the screws in the center of the rail. These screws will have a larger head than the other screws in the rail.
3. Carefully remove the top plate and set aside in a safe place.





Replace Pre-heater Tube Assembly APR-XLPHK

REQUIRED TOOLS:

- 7/64" hex key
- 3/8" hex nutdriver
- Phillips cross-tip screwdriver

RELATED PART #:

APR-PHO (APR pre-heater rubber boot sleeve)

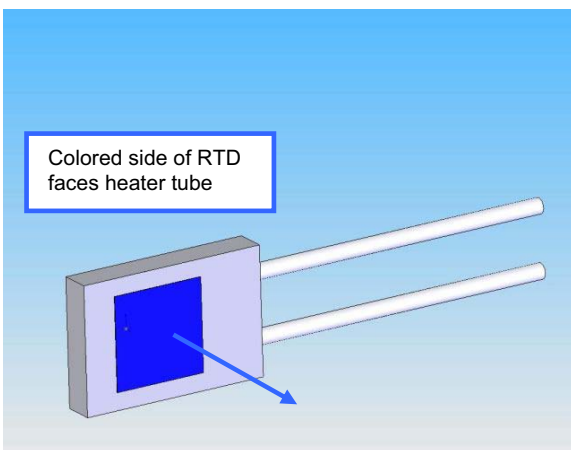
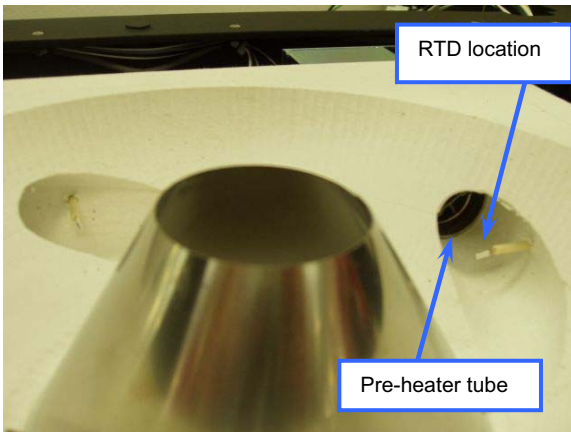
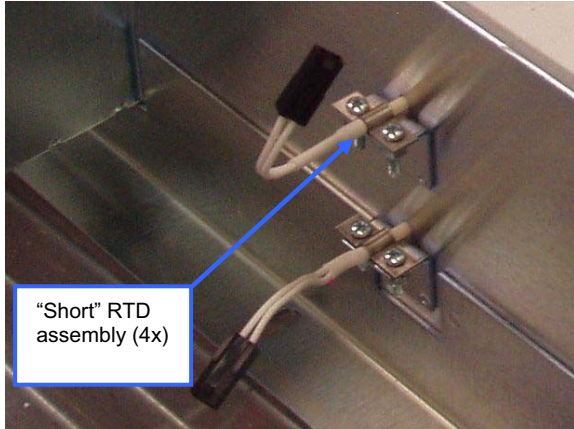
1. Remove the heater box assembly.
2. There are six pre-heater tubes mounted inside the smaller fan blower boxes around the heater box. Four are for the large pre-heater in the top section (the outer bowl). Two are for the small pre-heater in the bottom section (the inner bowl; thru the funnel).
3. Locate the pre-heater tube that needs replacement. On the inside of the heater bowl, carefully mark the location of the heater. This will be a reference to help position the replacement heater tube.
4. Remove the fan blower and fan plate together by removing four screws. Leave the fan attached to the plate.
5. The pre-heater tube should now be visible, along with the heater sleeve. Carefully pull out the heater tube out of the sleeve.
6. Install the new pre-heater into the sleeve. The heater tube orientation should be such that the interior plates form an "X".
7. Position the new heater tube inside the bowl using the mark made earlier. It is important to get as close as possible to the original heater tube position.
8. Install the fan and fan plate.
9. Install the heater box assembly onto the APR bottom plate. Plug in all connections.

Note: it may be necessary to have access to the bottom of the APR for installation of the heater box. Contact OKI technical service if assistance is needed.

10. Install the top plate.

IMPORTANT: It will now be necessary to perform the pre-heater thermal calibration procedure for either the large or small pre-heater, depending on which pre-heater tubes were replaced.

Replace (Short) RTD Assembly APR-XLPHRTDS



REQUIRED TOOLS:

7/64" hex key
3/8" hex nutdriver
Phillips cross-tip screwdriver

1. Remove the heater box assembly.
2. The short RTD assemblies are nearest to the top of the heater box on each of the four sides. These are the four RTD for the large pre-heater section (outer bowl).
3. Locate the short RTD that needs replacement. On the inside of the heater bowl, carefully mark the position of the RTD. This will be a reference to help position the replacement heater tube.
4. Loosen the two screws on the RTD clamp plate.
5. Slide the RTD out of the heater box. If the RTD is located behind a fan assembly, it will be necessary to remove the fan cover plate and fan to access the RTD.
6. Carefully insert the new RTD into the heater box.

NOTE: The RTD assembly is very fragile and must be handled carefully

7. Use the previous mark made on the heater bowl to help position the RTD. Typically the "head" of the RTD will be located in the approximate center of the "X" of the pre-heater tube. The colored side of the RTD should be facing the heater tube.
8. Carefully tighten the screws for the RTD clamp plate. Do not over-tighten as this may crack the ceramic tube of the RTD assembly. If the fan and cover plate were removed, reinstall them.
9. Install the heater box assembly onto the APR bottom plate. Plug in all connections.

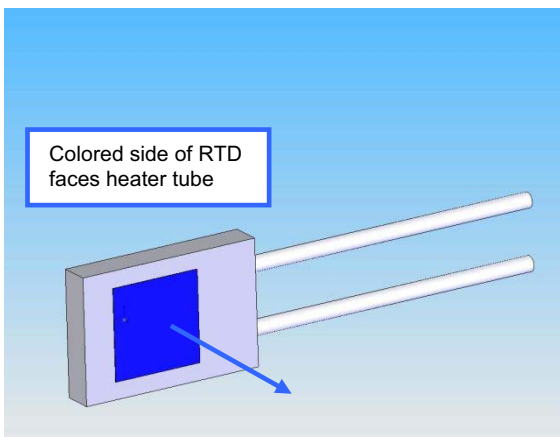
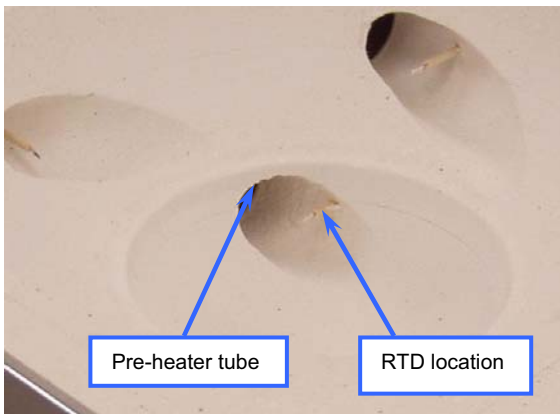
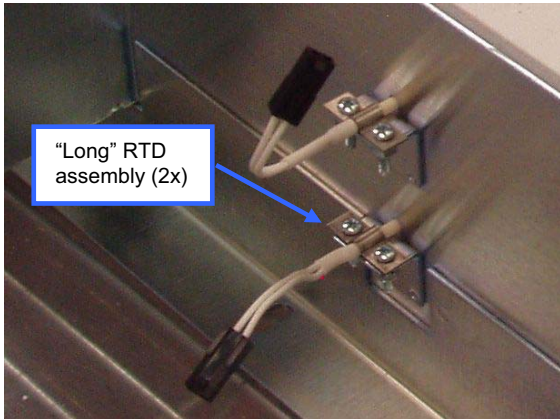
Note: it may be necessary to have access to the bottom of the APR for installation of the heater box. Contact OKI technical service if assistance is needed.

10. Install the top plate.
11. **IMPORTANT:** Thermal calibration procedures for the large pre-heater must now be performed.

Replace (Long) RTD Assembly APR-XLPHRTD

REQUIRED TOOLS:

7/64" hex key
3/8" hex nutdriver
Phillips cross-tip screwdriver



1. Remove the heater box assembly.
2. Remove the small pre-heater cone.
3. The long RTD assemblies are closest to the bottom of the heater box. These are the two RTD for the small pre-heater section (inner bowl).
4. Locate the short RTD that needs replacement. On the inside of the heater bowl, carefully mark the position of the RTD. This will be a reference to help position the replacement heater tube.
5. Loosen the two screws on the RTD clamp plate.
6. Slide the RTD out of the heater box. If the RTD is located behind a fan assembly, it will be necessary to remove the fan cover plate and fan to access the RTD.
7. Carefully insert the new RTD into the heater box.

NOTE: The RTD assembly is very fragile and must be handled carefully

8. Use the previous mark made on the heater bowl to help position the RTD. Typically the "head" of the RTD will be located in the approximate center of the "X" of the pre-heater tube. The colored side of the RTD should be facing the heater tube.
9. Carefully tighten the screws for the RTD clamp plate. Do not over-tighten as this may crack the ceramic tube of the RTD assembly.
10. Install the small pre-heater cone. Try to position cone to leave no or as little gap as possible with bowl.
11. Install the heater box assembly onto the APR bottom plate. Plug in all connections.

Note: it may be necessary to have access to the bottom of the APR for installation of the heater box. Contact OKI technical service if assistance is needed.

12. Install the top plate.
13. **IMPORTANT:** Thermal calibration procedures for the small pre-heater must now be performed.