



Service Bulletin

SA-026

DATE: April 20, 2015
 TO: All Service and Parts Managers
 SUBJECT: Aluminum Coil Cleaning Recommendations

We have received inquiries concerning the recommended cleaning practice for aluminum evaporator coils. After testing various coil cleaners and drain pan tablets, it has been determined that any cleaner or drain pan tablets containing Chlorine can be harmful to the aluminum tube evaporator coils in our equipment. Constant exposure to the Chlorine in the cleaner and chlorine outgassing from the pan tabs can cause tube corrosion and/or fin pack corrosion causing premature aluminum evaporator coil failures (refer to picture).



The recommended cleaning method for both copper and aluminum tube evaporator coils is to simply flush the coil with water. The cleaners listed below are the only cleaning agents at this time deemed safe and approved for use to clean aluminum coils.

1. Nu-Calgon - **EVAP-Green** - Part/Product #4191-08
2. Sunshine Makers – **Extreme Aircraft & Precision Cleaner** - Part/Product # 13406

Note: Ensure coils are rinsed well after use of any chemical cleaners.

After testing and evaluation of various evaporator coil cleaners, the following recommendations have been added to the Installation Manuals along with a new label being added to all aluminum evaporator coils and air handlers starting in late February, 2015 (see label below).

Aluminum Coil Cleaning Recommendation

This unit is equipped with an aluminum tube evaporator coil. The safest way to clean the evaporator coil is to simply flush the coil with water. This cleaning practice remains as the recommended cleaning method for both copper tube and aluminum tube residential cooling coils.

An alternate cleaning method is to use one of the products listed below to clean coils. The cleaners listed below are the only agents deemed safe and approved for use to clean aluminum coils. Ensure the cleaned coils are rinsed well after the use of these chemical cleaners.

Trade Name	Part/Product	Manufacturer
EVAP-Green	4191-08	Nu-Calgon
Extreme Simple Green Aircraft & Precision Cleaner	13406	Sunshine Makers, Inc.

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