



## Technical Service Bulletin

TBJ012

**Date:** January 11, 2010

**Product:** TTV/D, TSV/D and all other vertical up-flow and down-flow ClimateMaster units equipped with stainless steel drain pan option

**Issue:**

ClimateMaster has become aware that, on some vertical up-flow and down-flow units equipped with stainless steel drain pans, the nipple of the drain pan may have slag partially covering the hole from the cutting process (see example picture below). This slag may restrict the condensate from adequately draining. This will become apparent if lint, sludge and other debris becomes lodged around this slag causing blockage of condensate flow.



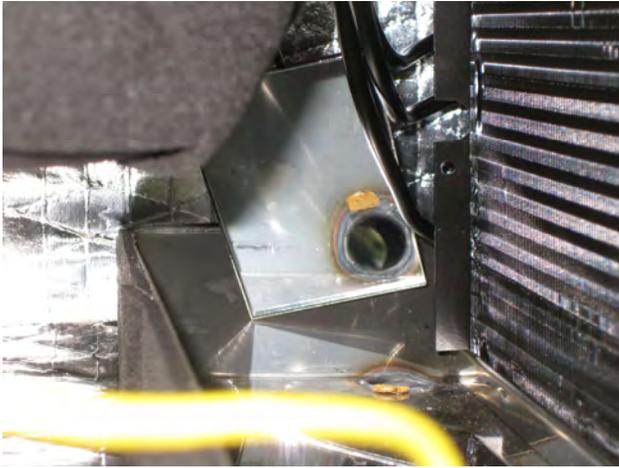
Note: picture is a sample and not typical, it has been purposely exaggerated to show worst case scenario.

**Solution:**

As all ClimateMaster units are equipped with condensate overflow protection, the condensate will not overflow and cause damage. Immediate inspection of all units is not warranted or required. This technical bulletin is meant to assist servicing contractors that may be experiencing units faulting on code 6 (condensate overflow protection) and upon inspection, the condensate tubing, both internal and external of the unit, are found to be free of restriction and are of proper size and slope away from the unit towards the drain.

**Inspection:**

To inspect units, disconnect electrical supply voltage to the unit in accordance with lock out/tag out procedures. Remove the access panel to the air coil section. Using an inspection mirror, check to see if the drain nipple is obstructed.



If no obstruction is seen, the code 6 faults being experienced are not related to this Technical Bulletin. Continue diagnostics paying special attention to proper slope of the condensate drainage and verify other sections of the condensate drainage are free and clear of debris.

**For up-flow units:**

If slag is present on an up-flow unit, there are two methods to correct the problem; both are explained below. First, remove the side access panel exposing the condensate tubing



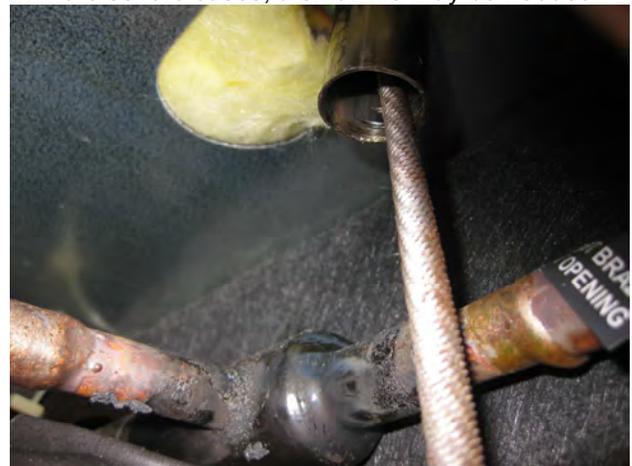
Remove the condensate tubing.



**Method one:** In most cases the slag can simply be removed with a screwdriver or a copper tubing deburring tool,



In more severe cases, a small file may be needed



**Method two:** After the condensate tubing is removed, a reciprocating saw with a fine tooth metal blade can be used to cut the “burred” end off of the stainless steel tube. Cut approximately ¼ inch off the end. This will remove the burred end and still leave ample length for reconnecting the tubing



**For down-flow units:**

With Down-flow units, access panel and remove the blower assembly.



Locate the condensate drain towards the rear of the condensate drain pan



Remove the short piece of vinyl tubing from the drain pan nipple



After the condensate tubing is removed, a reciprocating saw with a fine tooth metal blade can be used to cut the “burred” end off of the stainless steel tube. Simply cut approximately ¼ inch off the end. This will remove the burred end and still leave ample length for reconnecting the tubing



Once slag is removed and reassembly is complete, verify that all parts of the condensate drainage system drain properly; make any corrections if needed.

If assistance is needed, please contact ClimateMaster's Technical Service Department at 1-800-299-9747.

