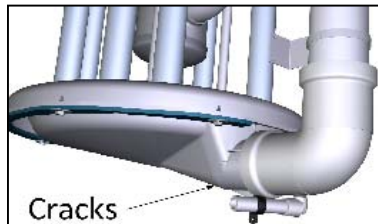




## Troubleshooting Condensate Collector on the Spiderfire

The condensate collector is a special plastic pan located on the bottom of the Spiderfire. Its job is to collect the condensation that will form in the heat exchanger, flue bundle and venting and then allow for that moisture to be removed. A condensate trap and removal was shipped with the Spiderfire for that purpose.



In rare cases, the collector pan will develop cracks at the location shown in this picture. Since the collector does not hold any weight of the Spiderfire water heater, we have not determined a proximate cause of these cracks. We think it may have to do with the removal of the PVC vent elbow attached to the collector and the water heater.

To determine if the collector is leaking and may be cracked:

1. Is the condensate removal line installed?
2. When you remove the red cap (air lock), is there liquid inside the drain line?
3. Does the drain line connection to the 3 inch PVC elbow show any signs of leaking?



If need be, then continue with these steps.

4. Remove the black cover to expose the white PVC vent tube.
5. Remove the retaining screw from the aluminum bracket holding the vent pipe to the water heater.
6. Grab the 90 degree elbow and gently pull and wiggle the elbow until it come free from the collector.
7. If the collector pan is flooded with water, then the problem lies with the condensate removal system.
8. Using a flashlight, look for cracks in the throat and floor of the collector pan.

If you find a crack in the collector pan, the Spiderfire is not mechanically repairable and must be replaced.

If you do not find a crack, then we need to find another leak point on the machine. Reconnect the PVC elbow as follows:

1. Coat the black collector nozzle and the inside of the PVC elbow with undiluted dishwashing detergent, petroleum jelly or some other jell type lubricate.
2. Place the elbow over the collector nozzle and gently push the elbow back in place. If the two pieces are lined up, the parts will slide together easily. **DO NOT** pry, hammer or kick on the elbow to make it go together. If you do, you will probably crack the collector.
3. Reinstall the support bracket and screw. Replace the black cover panel.

