

**Subject:** SolarForce 648 Buzzing Noise

**Number:** SRV0009

**Applicability:** SolarForce 648

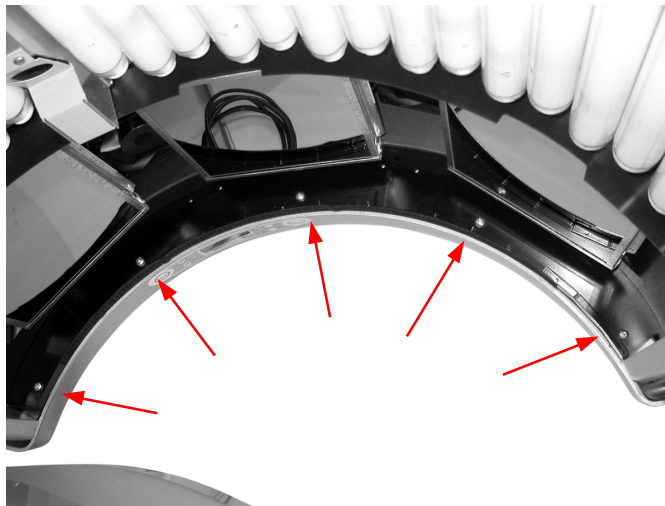
**Date:** 3/1/2005

**Symptoms:** There is a “buzzing” noise coming from the canopy while the unit is running.

**Explanation:** The high volume of air passing through the air channel in the canopy reflector is causing the reflector to resonate (buzz or hum).

**Solution:** Add screws to secure the reflector to the vent channel.

Unlock the canopy acrylic and remove it (see owners manual). At either end of the canopy, inside the tanning area are five (5) screws securing the endcaps to the unit (see picture below). Remove these screws, gently lift the endcap and remove it. Be careful! The head-end endcap has the timer display cable attached. Disconnect it.



Remove the vent hoses and power cables from the back of the canopy.

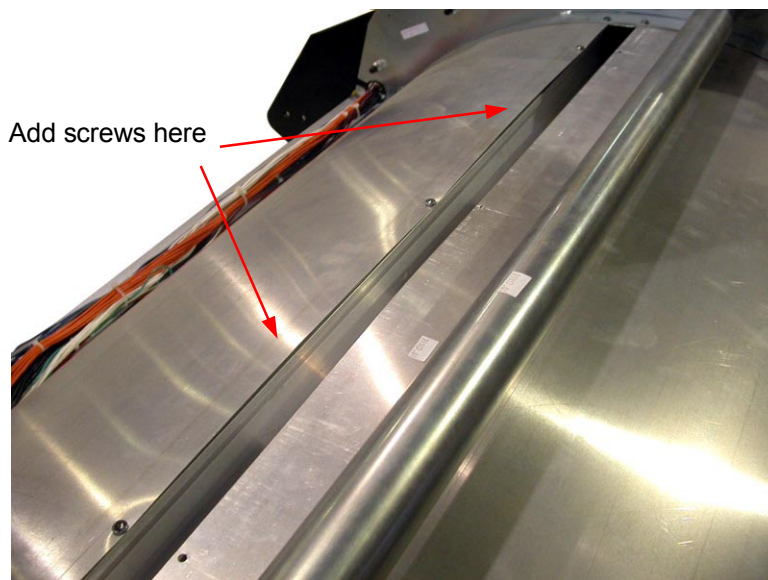
**NOTICE:** This document and the information disclosed herein are proprietary data of **ETS, Inc.** Neither this document nor the information contained herein shall be used, reproduced, or disclosed to others without the written authorization of **ETS, Inc.** except to the extent required for installation or maintenance of the recipient's equipment.

**CAUTION:** **ETS, Inc. Service Bulletins** are intended for use by experienced service technicians. They are written to inform those technicians of conditions that may occur in some equipment, or to provide information that could assist in the proper servicing of the equipment. If a condition is described, **DO NOT** assume that this service bulletin must be applied to your equipment, or that your equipment will develop that condition. Always consult your **ETS, Inc. Technical Service Representative** before performing any modifications to your equipment. When electrical service is needed, we recommend hiring a professional electrician.

Remove the screws holding the back of the canopy cover and remove cover.

Remove the fan housing. There are three screws across the front and two screws on either side on the back. This will expose the vent channel.

Using two #10 x 1/2" self-drilling screws, secure the reflector to the vent channel halfway between the existing screws (see below). The holes are 1/4" from the reflector edge. If you don't have self-drilling screws, use #10 x 1/2" sheet metal screws and drill 7/32" holes just through the reflector.



Along the front flange of the fan housing drill two 7/32" holes approximately halfway between the center hole and the two outer holes to make five equally spaced holes.

Put the fan housing back into place and secure it with the seven original screws and two #10 x 1/2" self-drilling screws in the new holes.

You can test the unit before reassembly by connecting the power cords to the back of the canopy and plugging in the timer display in the head-end endcap. The four additional screws should be enough to eliminate the vibration, however you may use more. Reassemble the bed by reversing the directions above.