MicroTiles Thermal Actuator Removal Instruction Sheet

General Safety Precautions

- **WARNING**
  - Servicing must be performed by Christie service personnel or a Christie authorized service provider. Use replacement parts that are manufacturer-approved only. Use of any other part other than the ones specified by the manufacturer can result in fire, electric shock or risk of personal injury and irreparable equipment damage.
  - Do not service the Christie MicroTiles while they are still connected. There are exposed voltages that could cause severe physical injuries and possibly death.

- **CAUTION**
  - Do not operate with heatsinks removed.
  - Disconnect tile(s) from AC power before testing, removing, or installing modules.
  - Do not operate the tile(s) with any internal part removed.

- **NOTICE**
  - When using screen S310, failure to remove thermal actuators from applicable MicroTiles display units can result in damage to the screen.
  - A cover plate must be installed once a thermal actuator is removed to keep dust and debris from entering the unit.

Introduction

*This procedure only applies to MicroTiles display units with P/N 123-001102-01.*

Each MicroTiles display unit with part number 123-001102-01 is equipped with a thermal actuator that activates when it reaches 40°C (104°F).

When activated, the actuator extends pushing the bottom of the screen a small distance away from the display unit, thereby releasing any potential pressure build-up between screens due to expansion at high temperatures. When the temperature of the actuator returns below 40°C (104°F), it retracts. The screens may need to be pushed back into position.

Christie permits the permanent removal of the thermal actuator and installation of a small cover plate, as described in this instruction sheet, without affecting the product warranty in the following situations:

- **When using screen S310, removal of the actuators is mandatory.** This is because the S310 screen is slightly larger than previous models and will collide at a lower temperature and humidity level than the activation threshold for the thermal actuators in these units.

- When using screen S300, removal of the actuators is optional. Removal of the actuators may be desirable if the screens will be installed close to a window or touch surface, or where relocating the screens afterwards is very awkward.
Kits Required
- 003-003949-xx Thermal Actuator Removal Kit

Tools Required
- #1 Phillips™ screwdriver
- #10 Torx Driver

Instructions

Remove thermal actuator (5 minutes)

2. Use a #1 Phillips™ screwdriver to remove the 2 screws securing the lower duct cover.
3. Use a #10 Torx driver to remove the 4 screws securing the thermal actuator to the display casing.
4. Remove the thermal actuator.
Install Cover Plate

1. Secure the cover plate to the housing using the 4 screws that held the thermal actuator in place.

2. Secure the lower duct cover (2 screws).

3. Replace the screen. Refer to the *MicroTiles User Manual (P/N 020-100329-xx)*.