



PURPOSE

This document provides information for troubleshooting projection exhaust issues, shut offs, etc. that affect Sight and Sound.

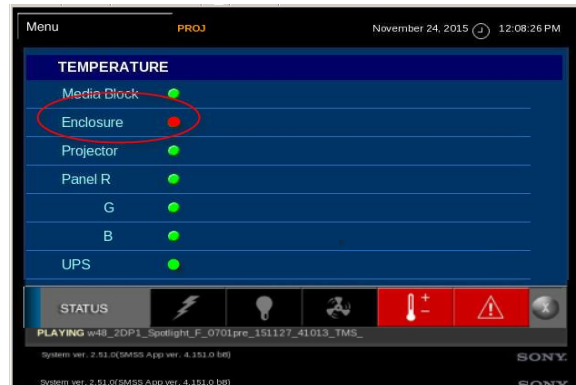
VERIFYING ISSUES AND TROUBLESHOOTING

1. **Verify** that the issue is exhaust related.

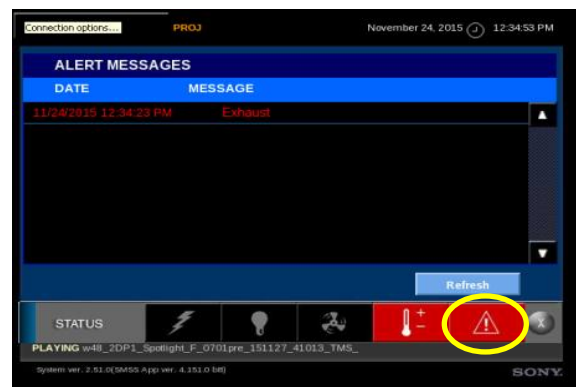
- **Christie** projector exhaust issues are signified by an “Extractor fan interlock” error on the TPC.

All Alarms	Item
Cooling	AC Blower interlock
Temperatures	Extractor fan interlock
Interlocks	Lamp door interlock
Signal	Fire Alarm interlock
Health	
Lamp Info	
Configuration	

- **Sony** projector exhaust issues are signified by “temperature” and “exhaust” errors on the projector controls.
 - a. **Navigate** to Menu > Status > Temperature to identify a temperature error on the enclosure.



- b. **Click** on the Alert icon (circled) to identify exhaust alerts on the Alert Messages screen.





Exhaust Fan Operations

AMC ☒ AMC Classic ☒ AMC Dine In ☒

2. **Check** projector for airflow:
 - a. **Ensure** projector is turned off and bulb has cooled for at least 15 minutes.
 - b. **Open** the projector lamp house and feel for significant upward pull of airflow. Lack of airflow likely means that the exhaust is offline.
3. **Check** the circuit breaker for the exhaust system in the electrical panel. These are usually marked “exhaust” as well as “rocker switch.”
 - **Check** the auditorium’s gray circuit breaker box to identify a tripped exhaust circuit breaker
 - **Locate** the rocker switch adjacent to the circuit breaker box and **flip** the switch to the off position.
 - **Reset** the tripped breaker in the breaker box.
 - **Flip** the rocker switch back on.
 - **Escalate** to your HVAC provider if the breaker trips again or will not stay in the ON position.



CHANGING EXHAUST FAN BELTS

1. **Turn** off power to the fan motor via a switch located next to the motor. If no switch is present, **turn off** the exhaust power breaker in booth.
2. **Remove** the cover fan.
3. **Visually inspect** the fan belt.
 - a. **Replace** the fan belt if broken. **Restore** power to the fan and **replace** the fan cover.
 - b. **Replace** the fan cover and **request service** from the HVAC provider if the fan belt is not broken.
4. **Create** a DSSP ticketⁱ.



Exhaust Fan Belt

ASSEMBLING AND ORDERING MUSHROOM FANS

1. **Disconnect** the exhaust vent tube from the top of the projector.
2. **Connect** the booster fan to the top of the projector in place of the vent tube.
3. **Plug in** and **power on** the booster fan.
4. **Ensure** the airflow is pulling air out of the projector.
5. **Leave** device in place until the exhaust system is repaired.
6. **Order** spare replacement fans as needed from Cinema Solutions.
 - a. **“8IN Proj FAN KIT F8”**



ⁱ [SS-4-20 -- DSSP - Digital Systems Support Portal](#)