



DSS-200 Safety Bulletin #01

Subject:	Legacy Heat Lamp Safety Issue
Release Date:	January 13, 2020
Systems Affected:	All models of DSS-200 OnTrak
Reference Components:	12-8882-092 ASSY, HEAT LAMP 73-0001-010 LAMP, HALOGEN, 120V, 1000W 12-8882-117 ASSY, PKG, BULB, HEAT LAMP 73-0001-007 ASSY, LAMP SOCKET AND FOCUSING 73-0001-008 HOUSING, HEAT LAMP, CE, NO LOGO
Summary:	Heat Lamp flame up safety concerns lead to discontinuation of the legacy heat lamp.

Background

The original version of the lamp assembly had a high number of internal connections which, when exposed to the high heat over a period of years, would degrade and cause increased resistance in the assembly. The increased resistance caused circuit breakers to open, lamps to fail prematurely, and components to overheat. This overheating has led to several known instances of the Spin Station cover melting or even of lamps catching fire.

Previously Entrepix has provided wiring solutions (Tech Memo 016) to mitigate a flame up issue but during the course of investigating it was determined the stage light style of heat lamp was no longer adequate to meet the changing process needs for the OnTrak scrubber. A change to the design of lamp bulb and reflector was developed along with a new housing to reduce heat accumulation behind the reflector and prevent wiring from degrading (Tech Memo 018).

Additionally, a design flaw in the original electrical cabinet was addressed which allowed lamps to remain on if the software locked up or if users enabled the lamp manually. The original Solid State Relay (SSR1) has been replaced by a Single Shot Relay which will not allow the lamp to be activated for longer than 20 seconds. After qualifying the new lamp if a longer recipe time is required adding recipe steps with a lamp off period followed by a lamp on period is a possibility but improvements to the lamp design have allowed several customers to reduce lamp times to less than 20 seconds and improve Spin Dry throughput by up to 20%.

Obsolescence

Compounding these issues has been regular obsolescence of key components of the original lamp design.

Primarily for safety concerns but also for these obsolescence reasons Entrepix has decided to discontinue the legacy stage lamp and continue forward offering only the higher efficiency lamp upgrade as described in Tech Memo 018.

Recommended Action

Replace the legacy style heat lamp 12-8882-092 with upgrade 26-8882-906 as soon as possible to prevent a possible flame up.

The Lamp housing and reflector had previously been made unavailable by the supplier. Existing supply of components to rebuild the lamp such as 73-0001-007 ASSY, LAMP SOCKET AND FOCUSING will be available until supply runs out, approximately August 31, 2020, at which point there will be no means to support lamp repairs except by performing the upgrade.

Ordering Information

To order a lamp upgrade or to download technical information visit us at:



[To Order Upgrade 26-8882-902](#)

[Tech Memo 018](#)

<https://entrepix-inc.myshopify.com/>