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| Subject: | 42-0010-011 Spin Motor Controller Obsolescence |
| Release Date: | December 30, 2011 |
| Systems Affected: | DSS-200 Series 2 Classic and CE, DSS-200 Synergy and Synergy Integra |
| Reference Components: | 42-0010-011 CONTROLLER,SPINDLE MOTOR 40-0075-016 PWR SPLY,+5,+/-12.+24,X-SERIES |
| Summary: | Information regarding the manufacturer obsolescence of the MAX-430 Spin Motor Controller (MC1) used to control Spin Motor in the Spin Rinse Dry Station in the OnTrak System. |

Background

The original Spin Motor controller 42-0010-011 has been obsoleted by the manufacturer. Due to technological changes the replacement controller is much smaller but has no internal AC to DC power supply and operates using a standard +10 to -10 signal where the original used an AC power input was controlled with a 0-6 volt command signal. The replacement requires a retrofit to replace the power supply and to convert incoming command signals to the +\ -10 requirement.

The upgrade requires installing the Entrepix power supply 26-8875-900 if not already installed. Some systems may already have the Entrepix power supply installed and may only need the additional power modules added.

The new controller has a simplified calibration procedure and internal over current protection. The previous controller used an external capacitor to limit over current situations.



Technical Memo #013.1

System Integration

A retrofit kit is required to replace the original controller. Depending on the type of power supply used, or desired, different retrofit kits are available.

26-8875-904 Retrofit, Spin Mtr Cntrl

Uses the Entrepix Power Supply Retrofit. The Entrepix Power Supply modules can be replaced on failure as opposed to replacing the entire power supply.



Spin Controller Retrofit



Entrepix Power Supply