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<b>Subject:</b>	<b>Dual DC Motor Card Updates</b>
<b>Release Date:</b>	August 3, 2022
<b>Systems Affected:</b>	All Series 2 Models of OnTrak DSS-200
<b>Reference Components:</b>	28-8875-033, 28-8875-004, 28-8875-013
<b>Summary:</b>	Updates to PCB and assembly for obsolescence and manufacturing method

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### Background

Many components of the original design Dual DC Motor Card were obsoleted years ago. Entrepix procured as much residual stock as possible but the remaining stock is limited and costs continually rise.

Entrepix has undergone a re-design of the Dual DC Motor Card but has kept the original form, fit, function to produce a drop-in replacement.

This Tech Bulletin serves to alert OnTrak users that the PCB will look different but will operate in the same manner as the previous versions.

List of revisions:

- 28-8875-033 PCB assembly used a DIP-20 package HCTL-2020 or HCTL-2021-A00 IC. New 28-8875-0331 boards use a PLCC-20 package HCTL-2020-PLC or HCTL-2021-PLC IC.
- Removed unused trim pot.
- DS communication chips used on every board going forward (reference TSB 21).
- Q1 and Q2 motor drive transistor and resistor change to accommodate new version of transistor.
- Various component changes (resistors, transistors, capacitors, etc.) replaced with like-for-like or superior items due to obsolescence of old items.
- Future iterations of 28-8875-0331 look significantly different. The redesigning involves surface mount technologies and a different color masking for PCB.

Ordering Information

To order the new DC Motor Card contact Entrepix and ask for PN 28-8875-0331.



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