

Vex IQ Reverse Engineering Challenge

- Team Members:

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Team Number 46750A - "Cobalt Cobras"



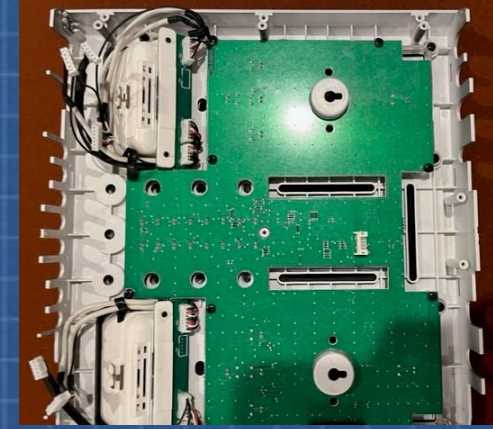
Vex IQ Reverse Engineering Challenge



For the Vex IQ Reverse engineering challenge I chose to do a Numark mixing DJ stand. I picked this to be extravagant and new so you're not looking at the same thing over and over.



I started this project at my workshop stand where I normally take stuff apart. Most of this could be taken apart by screwdriver other than disconnecting the two circuit boards. At some points I had to pop out some of the functions to reach hidden screws.



Team Members:

When I took this apart, I first saw the main circuit board. With the rest of the body, I could only see the bottom of the circuit board. Once I popped out the main circuit board, I had to disconnect them from each other. These were connected by wires I decided to cut the wire and solder them when I put it back together so I could get these pictures. From this experience I have learned that circuit boards are far more important (and there spikey) than you think! Also that some parts hold energy and then disperse it so it has more electricity at once.

Parts

Part list

Function

Circuit Board:	Connects all objects together through electricity
Battery packs:	Holds power for function
Dial connectors:	Connect dials and switches to main power
Transmitters:	Transmits the power from the plug to the mixers
Plug:	To supply the energy for the whole thing
Wires:	Connecting one circuit board to another
Music Plug in:	Where you plug in the device for mixing
Dials and switches:	Dials for Bass switches for volume

