



TSB---Amplifier-Installation

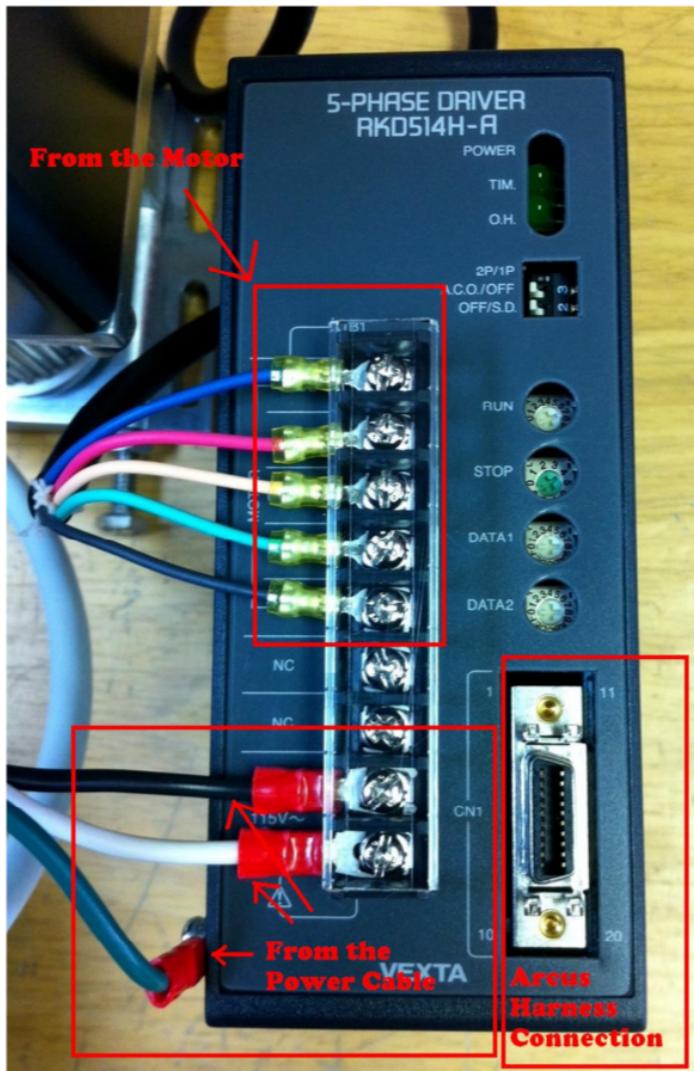
 Sayali Kothari
Contractor

X and Y Axis Amplifier Setup

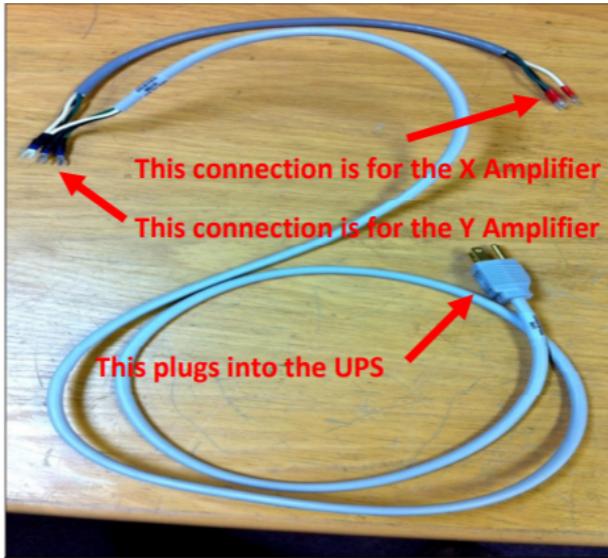
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Description: This Technical Service Bulletin will show the proper way to connect and set the X and Y Axis Amplifiers. The X and Y Amplifiers supply power to the X and Y Motors, while taking directions from the Arcus Board.



1. Power Down the Machine and disconnect the Motor Driver Cable from the UPS.

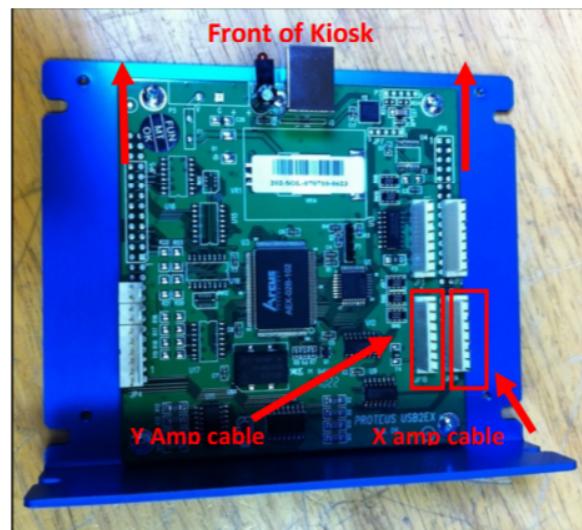


- The Motor Driver Power Cable must be plugged into a battery backed up outlet on the UPS unit.
- On the other end of the Motor Driver Power Cable, there are two locations at which to connect the amplifiers. The middle location (Y Amp) is about 8 inches away from the end, and the other is at the end (X amp).



- Connect the cables from the X Motor and Y Motor to the correct corresponding amplifier. NOTE: THE FIVE CABLES ON THE X MOTOR ARE REVERSED!

2. Connect the Arcus Harness



- Connect the Arcus harnesses to both the Amplifiers and the Arcus Board. X Axis connects to Arcus port JP1A (outer port). Y axis connects to Arcus port JP1B (inner port).



- Note – the older cables may need to be screwed to the Amp. Newer ones just use a quick-connect style.

3. Adjust Amplifier Dials



-On the back of each amplifier, there are four dials. On the dial is a cross head, like a Philips head screwdriver. ONE of those cross ends has an arrow indicator to set the dials with. It can be hard to see and you may need more light to view it. You will need the Phillips head jeweler screwdriver to adjust the settings.

IMPORTANT!!!

**New kiosks from Flextronics will be preset! Parts
Department Amplifiers are NOT!**

Run – Set to F (for both Amps)

Stop – Set to 9 (for both Amps)

Data1 – Set to 3 on RKD514L-A (Y Amp) and to 5 on RKD514H-A (X Amp)

Data2 – Set to 3 on RKD514L-A (Y Amp) and to 5 on RKD514H-A (X Amp)

Tools/Parts Needed:

Parts Involved:	Item Number:	Qty.
X Axis Amplifier	DVD-06-008-00	1
Y Axis Amplifier	DVD-07-018-00	1
X Axis Motor Assembly	DVD-62-000-01	1
Y Axis Motor Assembly	DVD-80-000-01	1
Arcus Board	DVD-01-011-00	1
Arcus Harness	DVD-40-052-02	2
Motor Driver Power Cable	DVD-40-019-01	1
Phillips Screwdriver	DVD-99-087-00	1
Hex Key Set	DVD-99-083-00	1

Associated TSB's:

Owner

Department

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1.0.0	5/1/2011	TSB Creation

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