Thayer's Quest
Conversion to newer Pioneer laserdisc players

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Introduction

This update will convert the arcade version of Thayer's Quest from using the Pioneer LD-V1000 laserdisc player to one of the newer Pioneer players listed below.
This package contains a new binary file to replace the EPROM at location U33, and instructions for building a replacement player cable for use with your new laserdisc player.

Replacement Pioneer laserdisc players (in order of preference)**:**
LD-V8000, LD-V4400, LD-V4300D, LD-V4200, CLD-V2600, CLD-V2400, LD-V2200.

Once the new EPROM is installed, the above players become the correct default player for the game. Dip switches B4 and B5 (player type) are no longer used.

Procedure

Burn a new EPROM: You will need a replacement EPROM of type 27C256.
Burn the binary file "`tq_v8000_u33.bin`" to your new EPROM.
Cover the EPROM window with a label: "TQ V8000 U33"

Remove the upper board from your Thayer's Quest boardset, and remove U33.
Install your new EPROM in its place. Make certain that all pins are in the socket and that the notch at the end of the chip is at the correct side.
Reinstall the upper board.

Remove the laserdisc and remove the old LD-V1000 from the cabinet.

Configure your new player:
All players must be configured for proper serial communication as follows:
Baud Rate: 4800, No Parity, 1 stop bit, Data Length: 8 bits,
TxD terminator: <CR>.

LD-V8000:

Connect the player to a TV or monitor. Press and hold the "DISPLAY" button while powering-on the player. Press "SCAN FORWARD" to reach Page-5 "**RS-232 SWITCH P-5**". Verify: Baud Rate: 4800, No Parity, 1 stop bit, Data Length: 8 bits
To make changes, press "STEP FORWARD" to highlight an item, then press "STEP REVERSE" to change the setting.
* Press "DISPLAY" to save your settings and exit.

LD-V4400:

Connect the player to a TV or monitor.
Press and hold the "DISPLAY" button while powering-on the player.
Press "SCAN FORWARD" to reach Page-3 (or 4) "**RS-232 SWITCH**"
Verify: Baud Rate: 4800, TxD terminator: <CR>.

LD-V4400 continued:

To make changes, press “STEP FORWARD” to highlight an item,
then press “STEP REVERSE” to change the setting.
* Press “DISPLAY” to save your settings and exit.

LD-V4200:

Open the cover on the front of the player. Set all switches - OFF (up).

LD-V2200, CLD-2600 & CLD-2400:

On the back of the player, set both dip-switches – OFF (up)

AC power: Power to the LD-V1000 was through a 2pin Molex connector, While the new player will have a standard 3 prong AC plug. Remove the Molex and replace it with a power outlet receptacle (either a standard outlet with box, or an extension cord end-repair part).

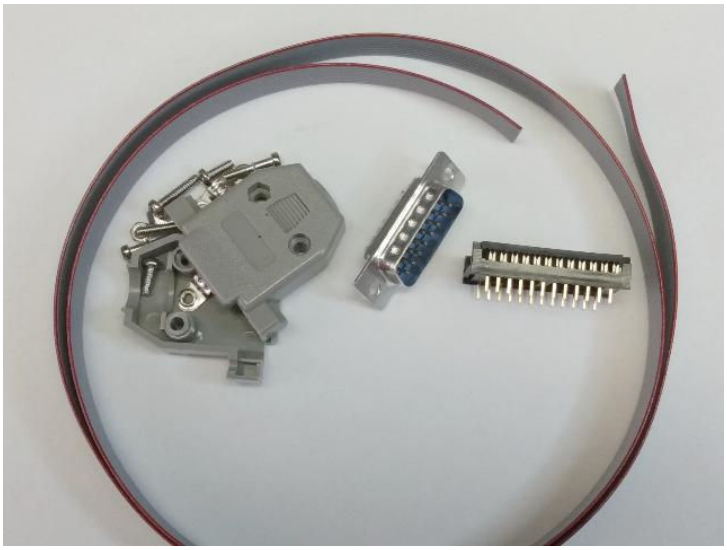
Install the laserdisc in the player and set the new player into the cabinet.

Connect the audio and video cables. (you may need a BNC female to RCA male adaptor)
Connect the replacement player control cable to the player and to main control board.
(If you don't have a pre-made control cable, follow the instructions below to make one)

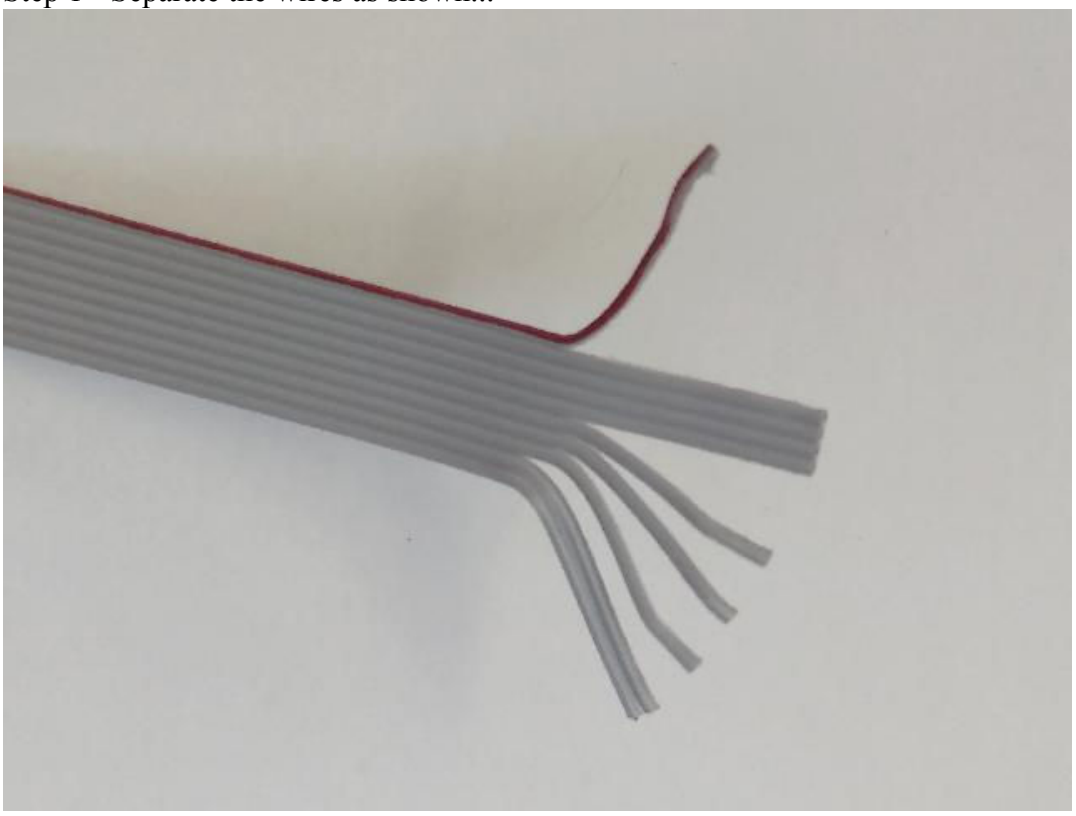
Power up and enjoy the game!

Instructions for building a player control cable for use with newer Pioneer players....

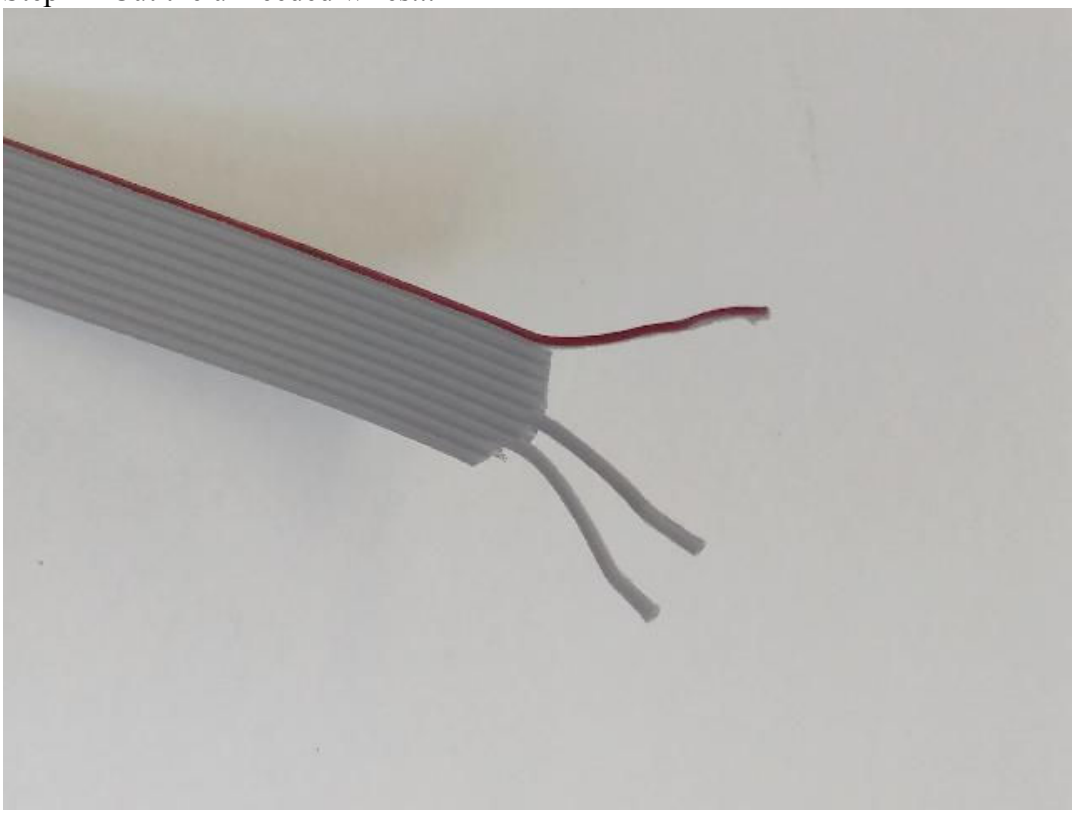
Parts List:	**Jameco Part # (** www.jameco.com)
2-3 feet of 10 line ribbon cable.	**643794**
15 pin D-sub connector	**15035**
D-sub hood	**15019**
24-pin dip plug connector	**42691**



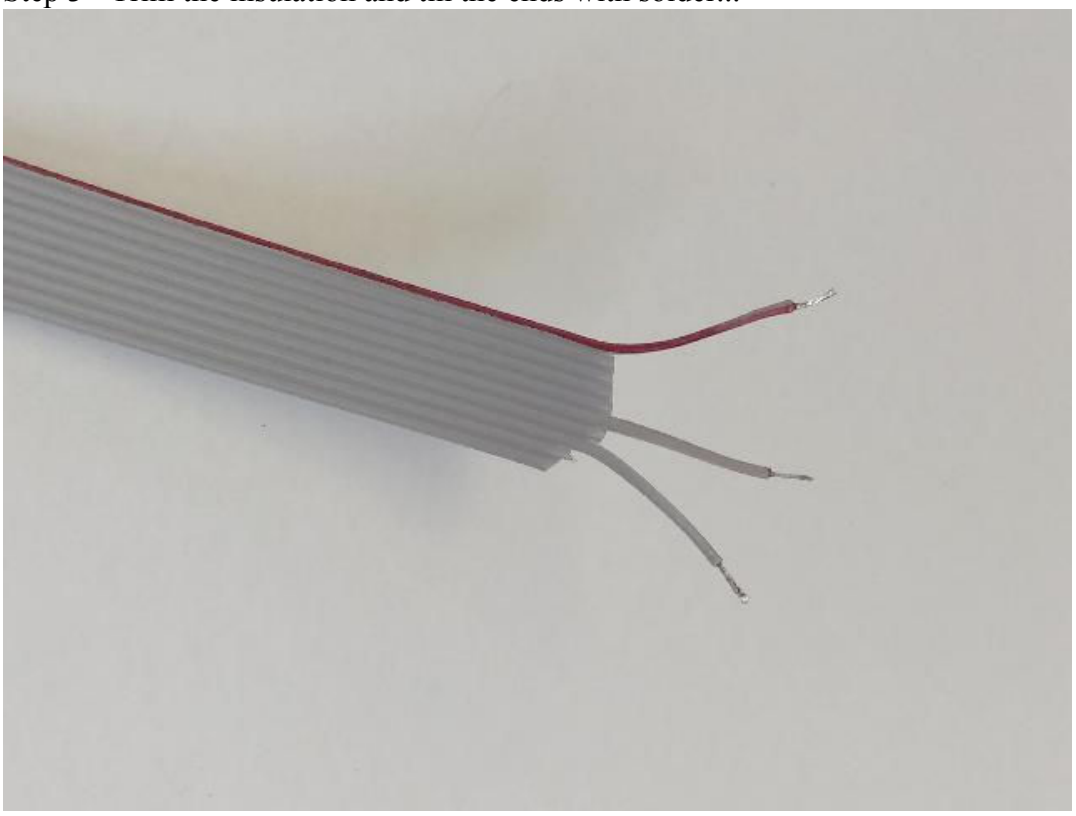
Step 1 - Separate the wires as shown...



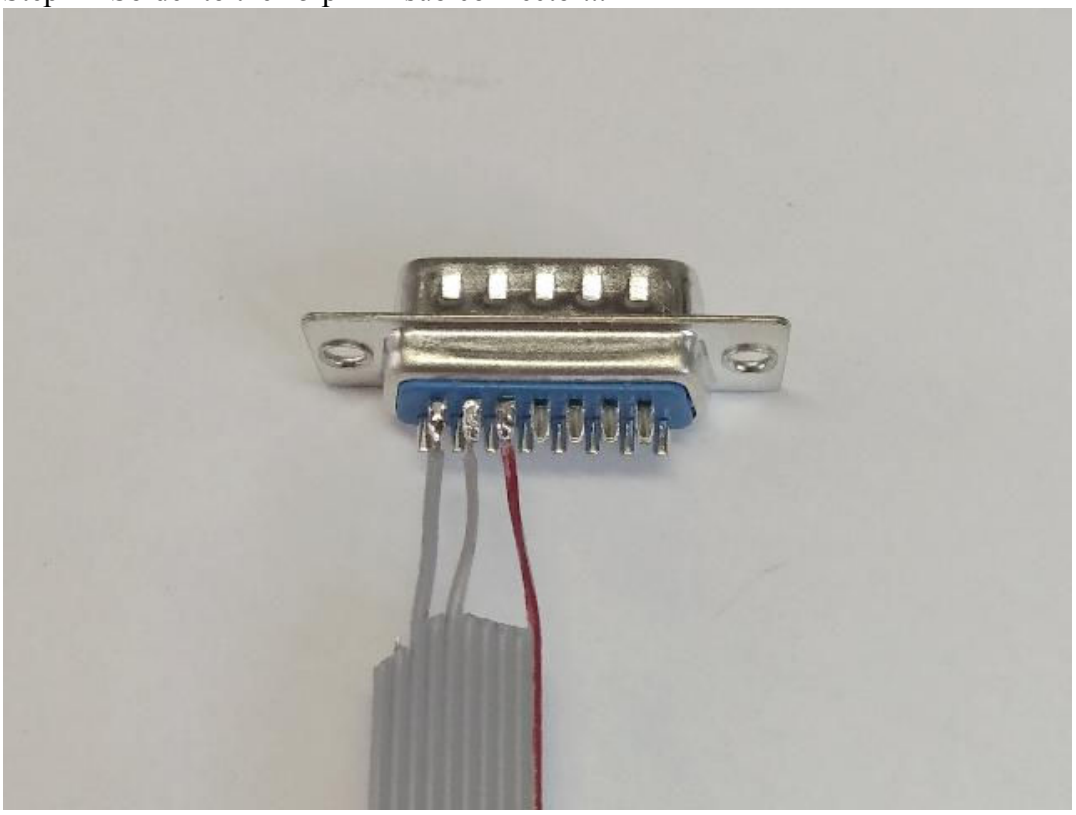
Step 2 - Cut the unneeded wires...



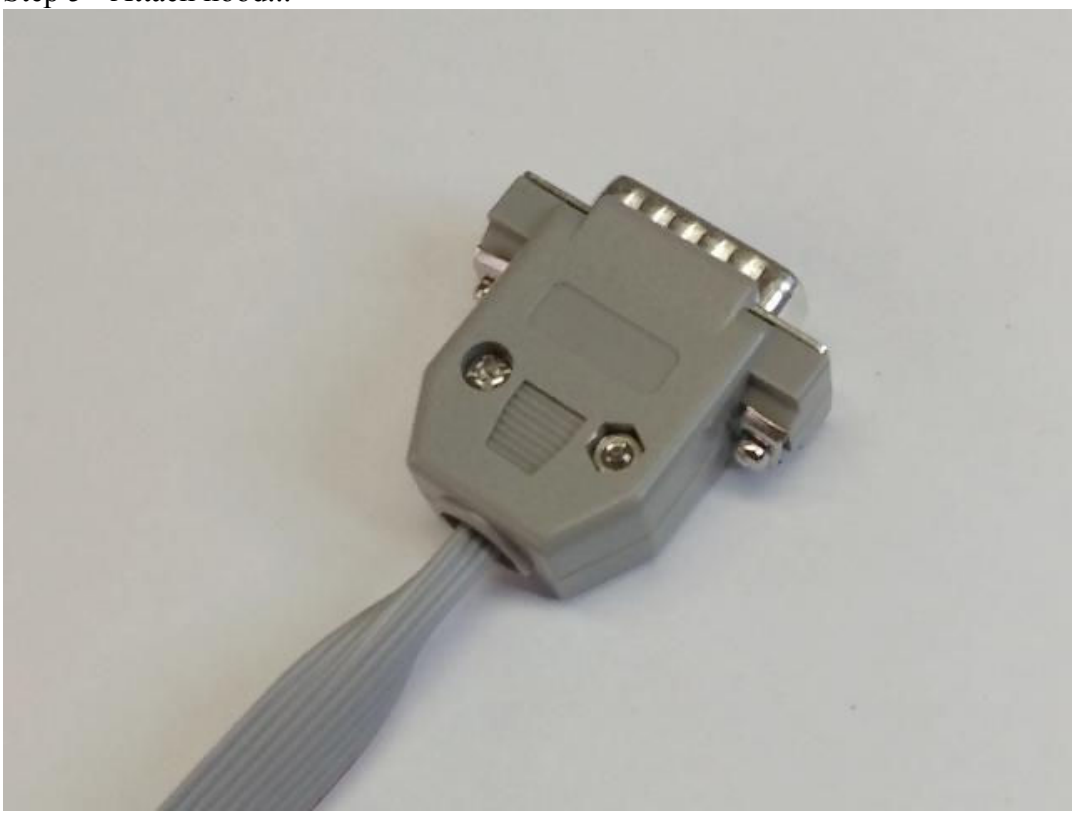
Step 3 - Trim the insulation and tin the ends with solder...



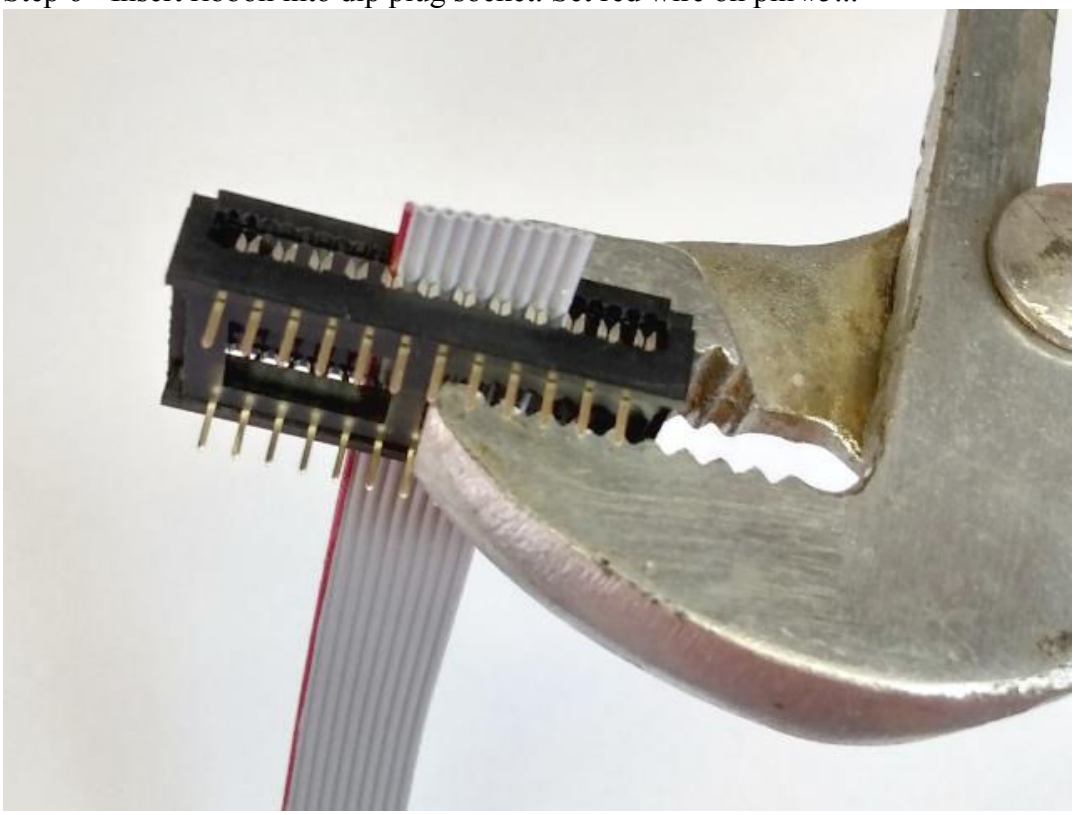
Step 4 - Solder to the 15 pin D-sub connector...



Step 5 - Attach hood...

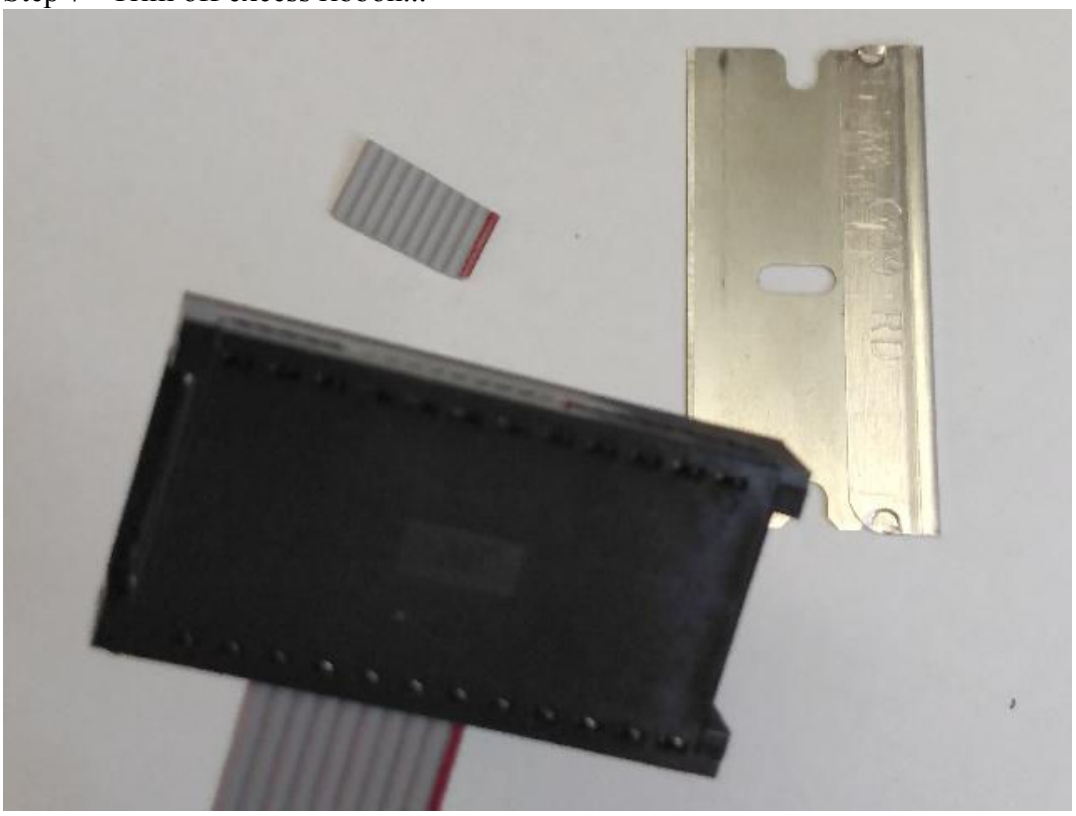


Step 6 - Insert ribbon into dip plug socket. Set red wire on pin #5...

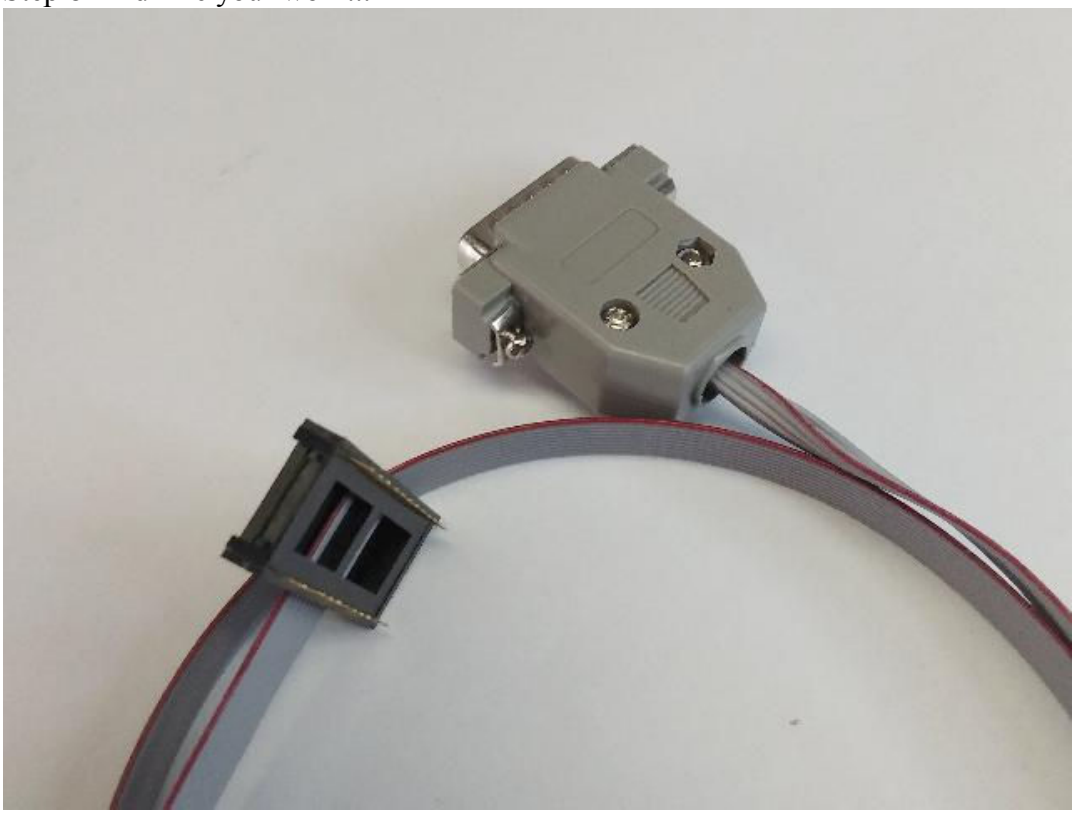


Make sure all wires are properly aligned with the forks and GENTLY crimp with pliers.
(You may want to order a few extra connectors and practice this step)

Step 7 - Trim off excess ribbon...



Step 8 - Admire your work...



Done!