

When replacing GT2 timing belts, often you need to crimp the ends for the build plate or hot end assembly to hold the belt.. There are options available like this (<https://smile.amazon.com/gp/product/B082SDV7LW/>), but if your belt breaks, it might take a couple of days for you to get them and you might be out of commission.

An easy solution that should be available from any hardware store are Electrical Quick Disconnect Spade Crimp Terminals. I like the large 12-10AWG yellow lugs, as the crimp end is easy to bend and break off.



Supplies

- 1) GT2 Timing Belt. I use this from amazon (<https://smile.amazon.com/gp/product/B07ZNNR238/>)
- 2) Quick Disconnect Spade Crimp Terminal. I buy in 100pk's from my local hardware store. These look like they would work from amazon, but I have no tested (<https://smile.amazon.com/Baomain-disconnects-Insulated-Connector-Electrical/dp/B01G4QH5H4/>)

Tools

- 1) Small screw driver
- 2) Needle nose pliers
- 3) Optional, Larger plier for more leverage

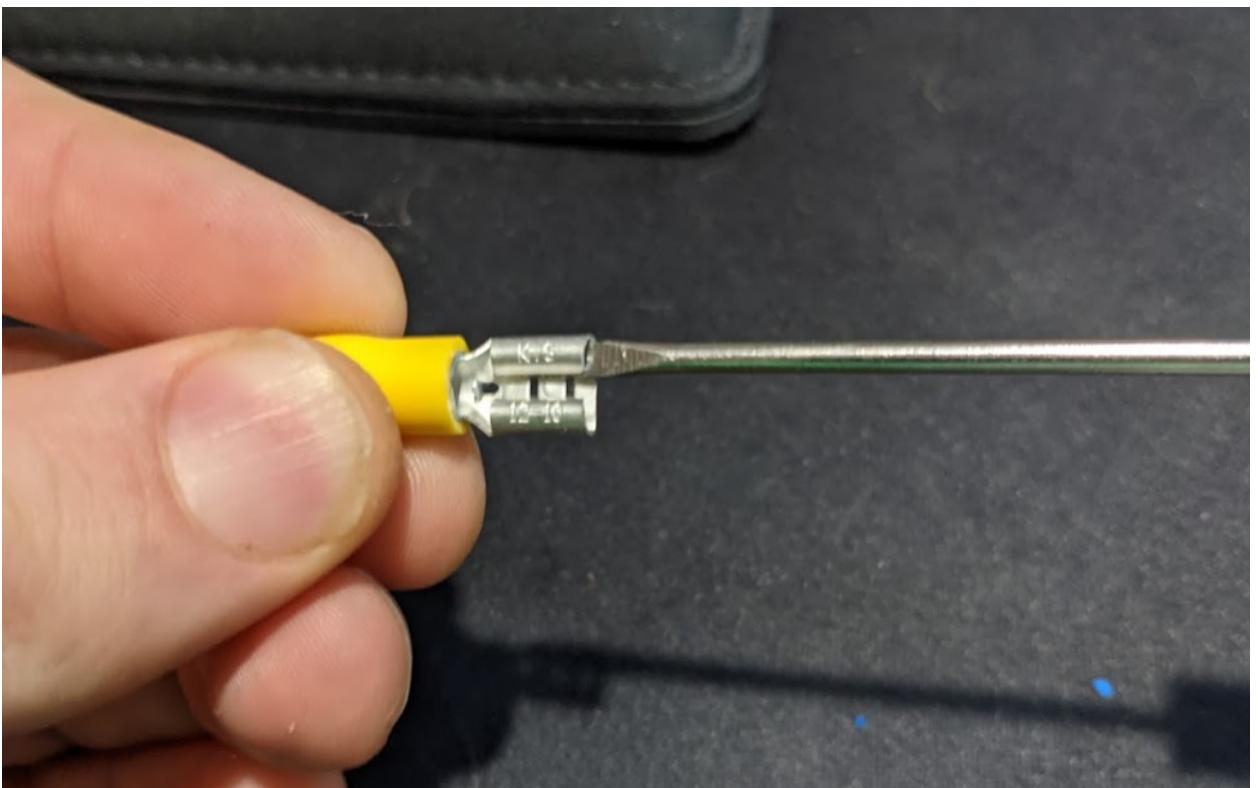
Process

- 1) Find one terminal



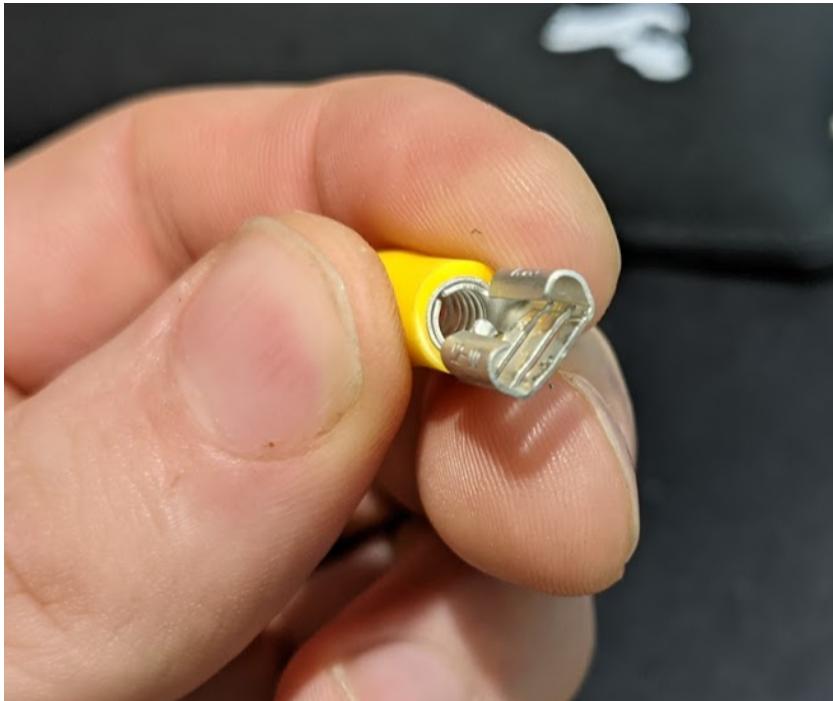
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- 2) Use a screw driver in the end of the terminal and pry the tangs out. Be careful and go slowly, it could be easy to slip and stab yourself with the screw driver. Please don't be mad at me if you do this.

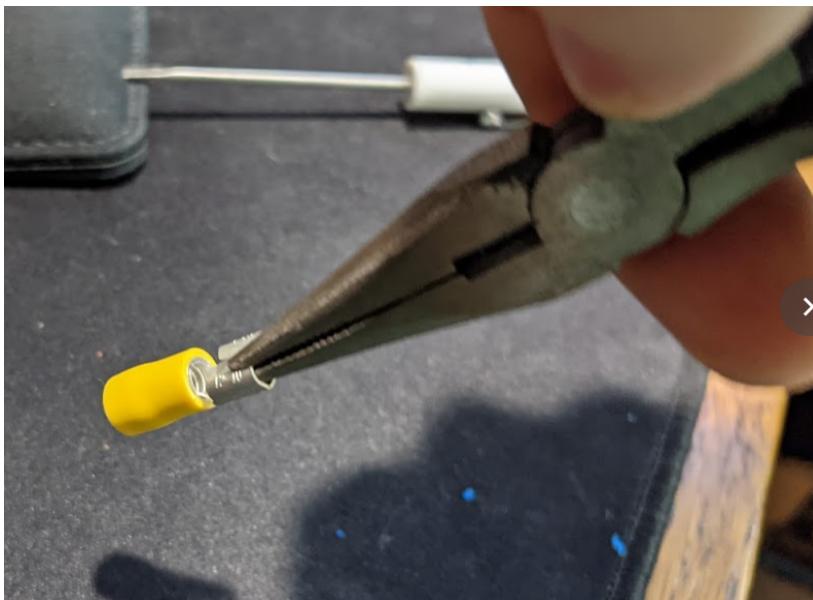


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- 3) Bend the terminals to out enough to get a pair of needle nose pliers into them. Try to avoid bending the outer walls too much away. The $\frac{1}{4}$ "-ish wide of the terminal matches the belt pretty well

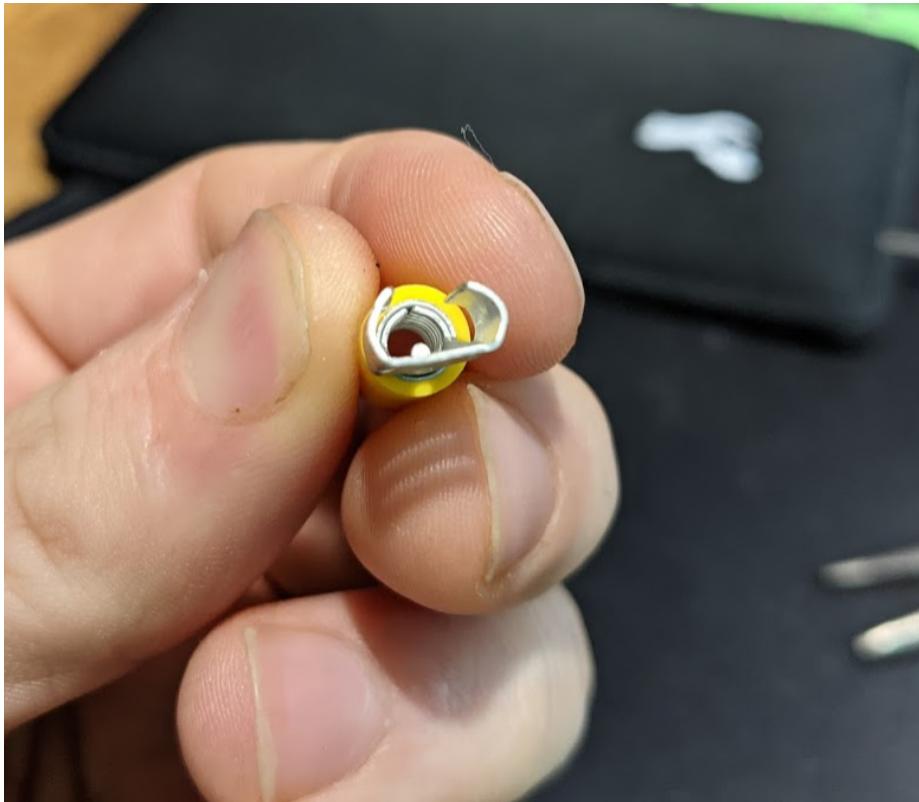


- 4) Use a pair of needle nose pliers to continue to open up the connector



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- 5) When connector is opened about like this, you're ready to crimp a belt



- 6) Take your GT2 timing belt



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- 7) Fold it over about $\frac{3}{8}$ " or so. If your belt is steel-belted, you may want some pliers to assist



- 8) Insert folded belt into connector



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- 9) Use your pliers (needle nose or others) to crimp the connector. Start by squeezing the outsides toward the center of the belt



- 10) Also crimp top and bottom. Sorry didn't take a good picture. Should look like this and be secure.



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- 11) Hold the belt and crimped terminal with plier and bend the plastic crimp end with your fingers.



- 12) Work back and forth and it should snap off quickly



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13) Viola! Crimped belt!

