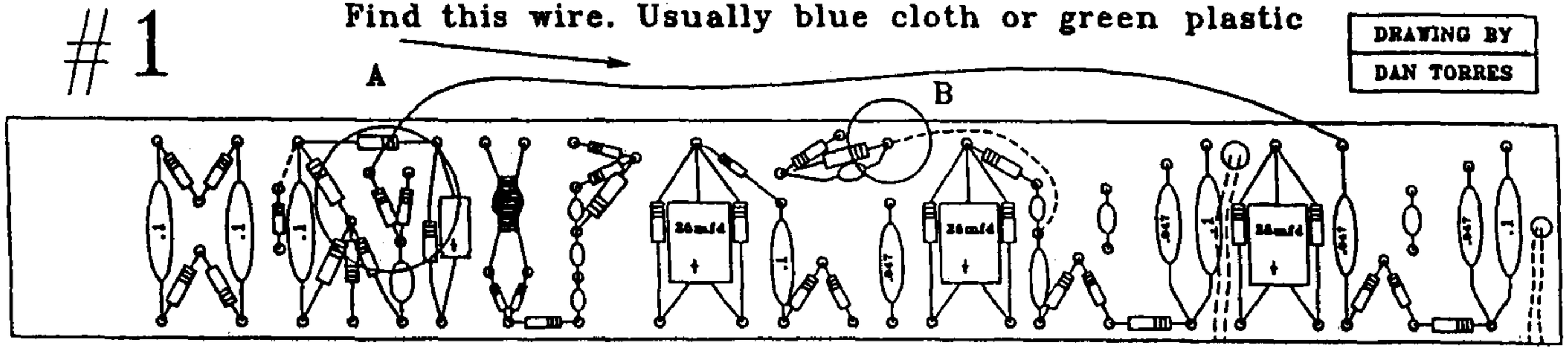
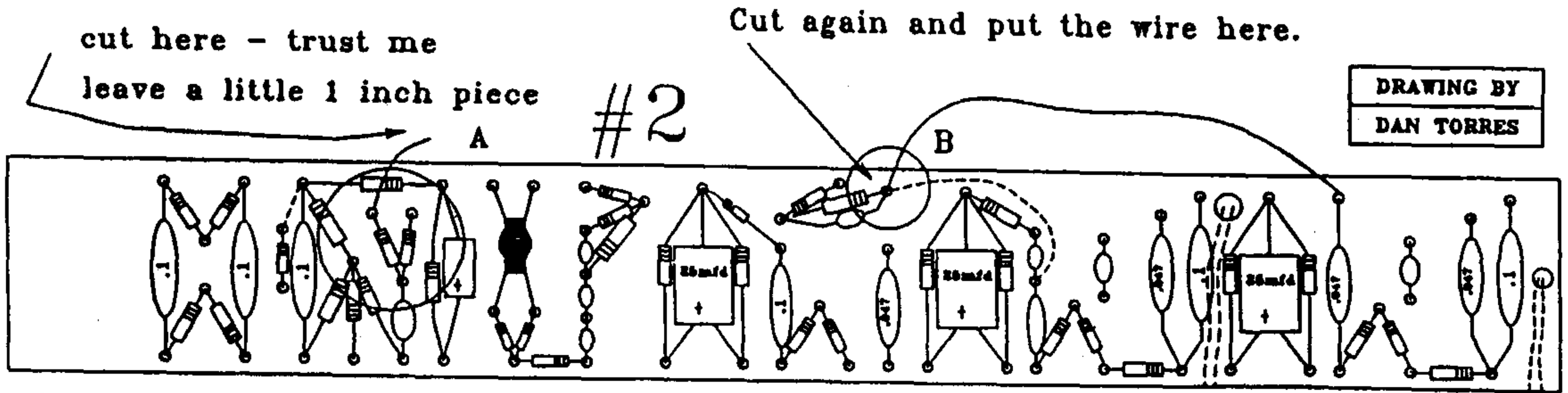
Reverb on both Channels of your Fender!

#1



#2



If you are real fussy, save the old blue cloth wire
and use new wire for the new connections. The amp doesn't care

REVERB ON BOTH CHANNELS OF YOUR FENDER!

Well, after talking to about 1 billion of you guys, it seems that just about everyone who reads this magazine has an old Fender amp - usually a standard "two channel, reverb and vibrato" model. Some guys have 40 or 50 of them - they aren't all that rare yet!!

The two channel Fender amps have the reverb and vibrato on only one of the channels. The other "Normal" channel has just volume and tone controls. Kind of a weird 60's mentality, to make the channels different they take something away from one of them!

Anyway, lets fix that and get reverb and vibrato on both channels. It is so easy it's hard to believe everyone has gone so long without it. (I figured it out about 1964 when I was a kid and had my first Twin Reverb. Plugged a '55 Strat into one and a '56 Les Paul into the other channel.)

Take a look at drawing #1. It shows the whole circuit board of your Fender. If it doesn't look pretty much like this give me a call, you have an old CBS period amp.

Find the wire that comes from a capacitor over on the right, all the way across the amp to a 220k resistor (red, red, yellow stripes) in a little "V" on the left side of the circuit board (we always work on the amp looking from the back.) The wire isn't free like my drawing shows. Its braided around other wires and sort of tangled up as it crosses the amp. If you have a cloth wired amp, it's usually blue. If you have a later CBS amp with the nice insulated plastic wire, it's usually light puke green. This is the "magic wire."

Ok, found it? Lift it up where it connects to the 220k resistor and cut it, about 1 inch from the resistor. Leave the little tag of wire there for now, you will use it for another trick later.

Find point B on the drawing. It's at the left side of a 3.3 meg resistor (orange, orange, green stripes.) Some CBS amps have the 3.3 meg resistor slanted down to the left quite a bit. Search around and find it. It is the only one in that area of that value.

Now look at drawing #2. Untangle the "magic wire" from the others and cut it again so you can put it at the right side of the 3.3 meg resistor at "B" on the drawing.) You're done!!! Yeah, that's it!! Now you have both reverb and vibrato on both channels of the amp. There are no ill effects, both channels are in phase, and she works like a charm.

Usually after doing this I modify one of the channels. You can have two different sounds from your amp. Check out our "Pre CBS" or "Hot Fender" kits to change the tone of one channel for some great new sounds. Maybe add a midrange boost, check out the "Bright switches" article from two months ago, or the midrange article from last month to get different tones from each of your channels.

Oh, you think I forgot the little 1 inch piece of wire? Take a look at the last drawing. Just put it down on the other 220k resistor there and reduce the series resistance into the driver stage. A simple, easy trick for a hotter sound, and a little more "presence."

A last note. When you are doing this. **Leave all the other wires in place**. Don't take wires off except the one wire I've told you to mess with. Leave the other wires at point B in place. Leave the other wire at the 220k resistors in place.