

Re: Help with electric guitar pots problems?

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2004-11/1693.html>

From: mark (*marcoraicevic_at_videotron.ca*)

Date: 11/20/04

Date: Fri, 19 Nov 2004 23:03:44 -0500

Correction (it's a bit confusing):

This is how the guitar seems to be wired:

One terminal (upper) on the 3-way pickup selector is connected to one terminal of the bridge volume control.

One terminal (lower) on the 3-way pickup selector is connected to one terminal of the neck volume control.

The middle terminal of the 3-way pickup selector is connected to the bottom terminals of the kill switch.

The middle terminals of the kill switch are connected to the metal side-body of the kill switch.

The metal body of the 3-way selector is connected to the metal top of the neck volume control.

The metal tops of the two volume controls and two tone controls are all soldered together (except the two tone switches); the metal top of the neck volume control is then soldered to one terminal on guitar jack (where the guitar plugs into the amp); the metal top of the neck volume control is also connected to one of the wires coming out of the bridge pickup and neck pickup.

The other terminal of the guitar jack (the middle terminal of the guitar jack is unused) is connected to the middle terminal of the three-way pickup selector.

The terminal (which is also connected to a terminal on the 3-way pickup selector) on the neck volume control is connected to a what looks like a capacitor which in turn is connected to the 2 of the terminals of the top tone control (the remaining terminal is unused).

The terminal (which is also connected to the bridge pickup) of the bridge volume control is connected to a capacitor which in turn is connected to 2

sci.electronics.repair: Re: Help with electric guitar pots problems?

terminals on the bottom tone control (the third terminal on the tone control is unused).

I guess that pretty much covers how the whole guitar is wired.

Thanks for any help ,
Mark

"mark" <marcoraicevic@videotron.ca> wrote in message
news:chznd.65283\$De5.1097127@wagner.videotron.net...

- > *This is how the guitar seems to be wired:*
- >
- > *One terminal (upper) on the 3-way pickup selector is connected to one*
- > *terminal of the bridge volume control.*
- >
- > *One terminal (lower) on the 3-way pickup selector is*
- > *connected to one terminal of the neck volume control.*
- >
- > *The middle terminal of the 3-way pickup selector is connected to the*
- bottom
- > *terminals of the kill switch.*
- >
- > *The middle terminals of the kill switch are connected to the metal*
- side-body
- > *of the kill switch.*
- >
- > *The metal body of the 3-way selector is connected to the metal top of the*
- > *neck volume control.*
- >
- > *The metal tops of the two volume controls and two tone controls are all*
- > *soldered together (except the two tone switches); the metal top of the*
- > *bridge volume control is then soldered to one terminal on guitar jack*
- (where
- > *the guitar plugs into the amp); the neck volume control is also connected*
- to
- > *one of the wires coming out of the bridge pickup and neck pickup.*
- >
- > *The other terminal of the guitar jack (the middle terminal of the guitar*
- > *jack is unused) is connected to the middle terminal of the three-way*
- pickup
- > *selector.*
- >
- > *The terminal (which is also connected to a terminal on the 3-way pickup*
- > *selector) on the neck volume control is connected to a what looks like a*
- > *capacitor which in turn is connected to the 2 of the terminals of the top*
- > *tone control (the remaining terminal is unused).*
- >
- > *The terminal (which is also connected to the bridge pickup) of the bridge*
- > *volume control is connected to a capacitor which in turn is connected to 2*
- > *terminals on the bottom tone control (the third terminal on the tone*
- control

Re: Help with electric guitar pots problems?

sci.electronics.repair: Re: Help with electric guitar pots problems?

> *is unused*).

>

> *I guess that pretty much covers how the whole guitar is wired.*

>

> *Thanks for any help ,*

> *Mark*

>

>

> *"mark" <marcoraicevic@videotron.ca> wrote in message*

> *news:mXwnd.54455\$Uy.1169742@weber.videotron.net...*

>> *Here's a link to a better picture of the wiring diagram:*

>> *However it takes a little while to load:*

>> *<http://whoman6.tripod.com/Image145789.BMP>*

>>

>> *"mark" <marcoraicevic@videotron.ca> wrote in message*

>> *news:4nund.60658\$De5.868944@wagner.videotron.net...*

>>> *The guitar has two volumes, two tone dials and one three-way toggle*

>>> *switch.*

>>> *The toggle switch and dials look like the ones on this guitar:*

>>> *http://www.albinhagstrom.se/hagstrom_h_ii_n.htm*

>>>

>>> *The volume on my guitar cuts off after I go below 5 on the bottom*

volume

>>> *dial.*

>>>

>>> *When I turn both volume dials on maximum: both pickups play when the*

>>> *toggle*

>>> *is either in the middle or pushed up position; when the toggle is*

pushed

>>> *down only one of the pickups works.*

>>>

>>> *When I turn off the bottom volume dial neither pickup works regardless*

> *of*

>>> *the toggle position.*

>>>

>>> *When I have the bottom volume dial on max and the top volume dial off:*

> *it*

>>> *only plays one of the pickups and only when I push the toggle switch*

> *down*

>> ;

>>> *when the*

>>> *toggle is in the middle or top position there's no sound.*

>>>

>>> *I was told from the guy I bought the guitar from that the problem was*

> *with*

>>> *the 500k pots; he recommended that I replace them with 250k pots.*

>>>

>>> *Anyone have any suggestions and advice on how to fix the problem?*

>>>

>>> *I took the pickguard off and made a diagram of the wiring:*

>>> *Here's a scan of the diagram:*

sci.electronics.repair: Re: Help with electric guitar pots problems?

> > > <http://hagstrom.4t.com/cgi-bin/login>
> > > *I hope you can make sense of the diagram.*
> > >
> > > *Thanks,*
> > > *Mark*
> > >
> > >
> > >
> >
> >
>
>