

---

Subject: OT - EMG 89 pickup report  
Posted by [Bill L](#) on Wed, 10 Dec 2008 15:49:56 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

A few months ago I posted asking my friends to talk me out of adding a single coil pickup to my Ibanez Artist semi-hollow electric (335-style). I withdrew from that path of no return and installed EMG 89s. They are a humbucker case with both a complete humbucker and a complete single coil inside, side by side.

While I lost the predominance of gritty high mids that worked for some sounds, but were a problem with others (and which I can get back easily with tone controls), I have gained a lot of new sounds which are hugely advantageous and make the guitar a true Gigmaster. I can use it for jazz, rock and spanking R&B and everything in between.

It does not sound like a Strat, mind you; it doesn't have the je ne sais quoi - dare I call it "deadness" - of a real Strat but it does give sweet single coil sounds that fit really well in music on which I would normally use my strat. An interesting unexpected benefit is how I love the single coil neck position for straight ahead jazz tone.

Check 'em out!

---

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [lance](#) on Wed, 10 Dec 2008 18:34:35 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi Bill,

I had a Gibson 1964 ES-330 with P90s given to me about a year and a half ago.

I love the single coil sound on this guitar.

I can't believe how good it sounds direct and with the Mike Audit's Paris Amp plug.

Rock on,

Lance Reichert

"Bill L" <[bill@billlorentzen.com](mailto:bill@billlorentzen.com)> wrote in message [news:493fe8f0\\$1@linux...](news:493fe8f0$1@linux...)  
>A few months ago I posted asking my friends to talk me out of adding a  
>single coil pickup to my Ibanez Artist semi-hollow electric (335-style). I  
>withdrew from that path of no return and installed EMG 89s. They are a  
>humbucker case with both a complete humbucker and a complete single coil  
>inside, side by side.

>  
> While I lost the predominance of gritty high mids that worked for some  
> sounds, but were a problem with others (and which I can get back easily  
> with tone controls), I have gained a lot of new sounds which are hugely  
> advantageous and make the guitar a true Gigmaster. I can use it for jazz,  
> rock and spanking R&B and everything in between.  
>  
> It does not sound like a Strat, mind you; it doesn't have the je ne sais  
> quoi - dare I call it "deadness" - of a real Strat but it does give sweet  
> single coil sounds that fit really well in music on which I would normally  
> use my strat. An interesting unexpected benefit is how I love the single  
> coil neck position for straight ahead jazz tone.  
>  
> Check 'em out!

---

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [Bill L](#) on Thu, 11 Dec 2008 11:51:14 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

P90s do sound really nice. I used to have a Les Paul Junior(?), AKA "TV model", back in the '70s. A little fatter than Strats, IIRC.

lance wrote:

> Hi Bill,  
>  
> I had a Gibson 1964 ES-330 with P90s given to me about a year and a half  
> ago.  
> I love the single coil sound on this guitar.  
> I can't believe how good it sounds direct and with the Mike Audit's  
> Paris Amp plug.  
>  
> Rock on,  
>  
> Lance Reichert  
>  
>  
> "Bill L" <[bill@billlorentzen.com](mailto:bill@billlorentzen.com)> wrote in message [news:493fe8f0\\$1@linux...](news:493fe8f0$1@linux...)  
>> A few months ago I posted asking my friends to talk me out of adding a  
>> single coil pickup to my Ibanez Artist semi-hollow electric  
>> (335-style). I withdrew from that path of no return and installed EMG  
>> 89s. They are a humbucker case with both a complete humbucker and a  
>> complete single coil inside, side by side.  
>>  
>> While I lost the predominance of gritty high mids that worked for  
>> some sounds, but were a problem with others (and which I can get back  
>> easily with tone controls), I have gained a lot of new sounds which  
>> are hugely advantageous and make the guitar a true Gigmaster. I can

>> use it for jazz, rock and spanking R&B and everything in between.  
>>  
>> It does not sound like a Strat, mind you; it doesn't have the je ne  
>> sais quoi - dare I call it "deadness" - of a real Strat but it does  
>> give sweet single coil sounds that fit really well in music on which I  
>> would normally use my strat. An interesting unexpected benefit is how  
>> I love the single coil neck position for straight ahead jazz tone.  
>>  
>> Check 'em out!  
>

---

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [xpam\\_mark](#) on Fri, 12 Dec 2008 22:11:32 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Bill,

EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few passives that I wish for and I do have them (the Bill Lawrence L500 being 3 of them). I've got a set of original SA's in a strat I built 22 years ago. Rod Lincoln will probably remember seeing this guitar as I had just finished it when he and I did a little touring together. I haven't touched the guitar since the day I put it together. These SA's have seen action every day with rare exception for 22 years and they still blow me and everybody else away.

W. Mark Wilson

"Bill L" <[bill@billlorentzen.com](mailto:bill@billlorentzen.com)> wrote in message [news:493fe8f0\\$1@linux...](news:493fe8f0$1@linux...)  
>A few months ago I posted asking my friends to talk me out of adding a  
>single coil pickup to my Ibanez Artist semi-hollow electric (335-style). I  
>withdrew from that path of no return and installed EMG 89s. They are a  
>humbucker case with both a complete humbucker and a complete single coil  
>inside, side by side.  
>  
> While I lost the predomoinance of gritty high mids that worked for some  
> sounds, but were a problem with others (and which I can get back easily  
> with tone controls), I have gained a lot of new sounds which are hugely  
> advantageous and make the guitar a true Gigmaster. I can use it for jazz,  
> rock and spanking R&B and everything in between.  
>  
> It does not sound like a Strat, mind you; it doesn't have the je ne sais  
> quoi - dare I call it "deadness" - of a real Strat but it does give sweet  
> single coil sounds that fit really well in music on which I would normally  
> use my strat. An interesting unexpected benefit is how I love the single  
> coil neck position for straight ahead jazz tone.  
>  
> Check 'em out!

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [Jamie K](#) on Sat, 13 Dec 2008 01:03:59 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hey Bill,

Thanks for the update, those look like cool pups. It's nice to be able to take a favorite axe and make it more versatile.

Cheers,  
-Jamie  
[www.JamieKruz.com](http://www.JamieKruz.com)

Bill L wrote:

> A few months ago I posted asking my friends to talk me out of adding a  
> single coil pickup to my Ibanez Artist semi-hollow electric (335-style).  
> I withdrew from that path of no return and installed EMG 89s. They are a  
> humbucker case with both a complete humbucker and a complete single coil  
> inside, side by side.  
>  
> While I lost the predominance of gritty high mids that worked for some  
> sounds, but were a problem with others (and which I can get back easily  
> with tone controls), I have gained a lot of new sounds which are hugely  
> advantageous and make the guitar a true Gigmaster. I can use it for  
> jazz, rock and spanking R&B and everything in between.  
>  
> It does not sound like a Strat, mind you; it doesn't have the je ne sais  
> quoi - dare I call it "deadness" - of a real Strat but it does give  
> sweet single coil sounds that fit really well in music on which I would  
> normally use my strat. An interesting unexpected benefit is how I love  
> the single coil neck position for straight ahead jazz tone.  
>  
> Check 'em out!

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [Bill L](#) on Sat, 13 Dec 2008 17:28:40 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Mark, I've got SAs in my custom mid-80's "strat" too (my guitar tech calls it my "pointy guitar" 'cause of that 80's headstock), and I still love 'em. On the strat I installed a mid boost circuit replacing the 3rd pot (I found a tone control on the bridge pickup oxymoronic anyway). This circuit gives a little more balls for crunch and sometimes a little extra body for playing jazz or fusion (which I try to avoid with this guitar). Anyway, I do agree EMGs are sweet.

One thing I was not aware of until reading the diagram for this install (which was a bitch in a semi-hollow, BTW) is that they recommend adjusting their PUPs as close to the string as possible for maximum tone. They state that the mag field is so weak there is no danger of string pull.

W. Mark Wilson wrote:

> Bill,

>

> EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few passives that I  
> wish for and I do have them (the Bill Lawrence L500 being 3 of them). I've  
> got a set of original SA's in a strat I built 22 years ago. Rod Lincoln  
> will probably remember seeing this guitar as I had just finished it when he  
> and I did a little touring together. I haven't touched the guitar since the  
> day I put it together. These SA's have seen action every day with rare  
> exception for 22 years and they still blow me and everybody else away.

>

> W. Mark Wilson

>

> "Bill L" <bill@billlorentzen.com> wrote in message news:493fe8f0\$1@linux...

>> A few months ago I posted asking my friends to talk me out of adding a  
>> single coil pickup to my Ibanez Artist semi-hollow electric (335-style). I  
>> withdrew from that path of no return and installed EMG 89s. They are a  
>> humbucker case with both a complete humbucker and a complete single coil  
>> inside, side by side.

>>

>> While I lost the predomoinance of gritty high mids that worked for some  
>> sounds, but were a problem with others (and which I can get back easily  
>> with tone controls), I have gained a lot of new sounds which are hugely  
>> advantageous and make the guitar a true Gigmaster. I can use it for jazz,  
>> rock and spanking R&B and everything in between.

>>

>> It does not sound like a Strat, mind you; it doesn't have the je ne sais  
>> quoi - dare I call it "deadness" - of a real Strat but it does give sweet  
>> single coil sounds that fit really well in music on which I would normally  
>> use my strat. An interesting unexpected benefit is how I love the single  
>> coil neck position for straight ahead jazz tone.

>>

>> Check 'em out!

>

>

---

Subject: Re: OT - EMG 89 pickup report

Posted by [xpam\\_mark](#) on Tue, 16 Dec 2008 04:16:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

I have that same pot on mine Bill... "RPC" as I recall (sooooo long ago

now) and it does throw a rise on output that really drives any amp nicely, clean or dirty. Here's a tip on those SA's.... run them on 9V and they remain kinda compressed sounding. Put them on 18V and they thrash nicely. I simply cut my strat for 2 9V batts and added a series/parallel switch for 9V/18V. I also elected to have an on off for every pickup output as opposed to a 5-way switch. It gives me three extra positions: all on / all off / 1 & 3 only. The 1 and 3 only position with the RPC up full makes for some great pedal steel tones if you can vol-pedal and whammy emulate pedal steel vibrato.

Mark

"Bill L" <bill@billlorentzen.com> wrote in message news:4943f487\$1@linux...

> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar tech calls  
> it my "pointy guitar" 'cause of that 80's headstock), and I still love  
> 'em. On the strat I installed a mid boost circuit replacing the 3rd pot (I  
> found a tone control on the bridge pickup oxymoronic anyway). This circuit  
> gives a little more balls for crunch and sometimes a little extra body for  
> playing jazz or fusion (which I try to avoid with this guitar). Anyway, I  
> do agree EMGs are sweet.

>

> One thing I was not aware of until reading the diagram for this install  
> (which was a bitch in a semi-hollow, BTW) is that they recommend adjusting  
> their PUPs as close to the string as possible for maximum tone. They state  
> that the mag field is so weak there is no danger of string pull.

>

> W. Mark Wilson wrote:

>> Bill,

>>

>> EYE----LLLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few passives  
>> that I wish for and I do have them (the Bill Lawrence L500 being 3 of  
>> them). I've got a set of original SA's in a strat I built 22 years ago.  
>> Rod Lincoln will probably remember seeing this guitar as I had just  
>> finished it when he and I did a little touring together. I haven't  
>> touched the guitar since the day I put it together. These SA's have seen  
>> action every day with rare exception for 22 years and they still blow me  
>> and everybody else away.

>>

>> W. Mark Wilson

>>

>> "Bill L" <bill@billlorentzen.com> wrote in message

>> news:493fe8f0\$1@linux...

>>> A few months ago I posted asking my friends to talk me out of adding a  
>>> single coil pickup to my Ibanez Artist semi-hollow electric (335-style).

>>> I withdrew from that path of no return and installed EMG 89s. They are a  
>>> humbucker case with both a complete humbucker and a complete single coil  
>>> inside, side by side.

>>>

>>> While I lost the predominance of gritty high mids that worked for some  
>>> sounds, but were a problem with others (and which I can get back easily  
>>> with tone controls), I have gained a lot of new sounds which are hugely  
>>> advantageous and make the guitar a true Gigmaster. I can use it for  
>>> jazz, rock and spanking R&B and everything in between.

>>>

>>> It does not sound like a Strat, mind you; it doesn't have the je ne sais  
>>> quoi - dare I call it "deadness" - of a real Strat but it does give  
>>> sweet single coil sounds that fit really well in music on which I would  
>>> normally use my strat. An interesting unexpected benefit is how I love  
>>> the single coil neck position for straight ahead jazz tone.

>>>

>>> Check 'em out!

>>

---

Subject: Re: OT - EMG 89 pickup report

Posted by [Bill L](#) on Wed, 17 Dec 2008 12:47:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

What do you mean "thrash"? Is that more clean gain? I do like the idea of the 3 individual switches.

Actually I am running into a small problem with the 89s that they overdrive the compressor in the Tonelab. Even at the lowest setting, there is too much click on the attack. I'm finding I get the best tone with the volume knobs down to 3 or 4, which bugs me because all my life I have just put vols at 10. I guess I can learn some new tricks if I have to.

W. Mark Wilson wrote:

> I have that same pot on mine Bill... "RPC" as I recall (sooooo long ago  
> now) and it does throw a rise on output that really drives any amp nicely,  
> clean or dirty. Here's a tip on those SA's.... run them on 9V and they  
> remain kinda compressed sounding. Put them on 18V and they thrash nicely.  
> I simply cut my strat for 2 9V batts and added a series/parallel switch for  
> 9V/18V. I also elected to have an on off for every pickup output as opposed  
> to a 5-way switch. It gives me three extra positions: all on / all off /  
> 1 & 3 only. The 1 and 3 only position with the RPC up full makes for some  
> great pedal steel tones if you can vol-pedal and whammy emulate pedal steel  
> vibrato.

>

> Mark

>

> "Bill L" <[bill@billlorentzen.com](mailto:bill@billlorentzen.com)> wrote in message [news:4943f487\\$1@linux...](news:4943f487$1@linux...)

>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar tech calls

>> it my "pointy guitar" 'cause of that 80's headstock), and I still love

>> 'em. On the strat I installed a mid boost circuit replacing the 3rd pot (I



>> found a tone control on the bridge pickup oxymoronic anyway). This circuit  
>> gives a little more balls for crunch and sometimes a little extra body for  
>> playing jazz or fusion (which I try to avoid with this guitar). Anyway, I  
>> do agree EMGs are sweet.  
>>  
>> One thing I was not aware of until reading the diagram for this install  
>> (which was a bitch in a semi-hollow, BTW) is that they recommend adjusting  
>> their PUPs as close to the string as possible for maximum tone. They state  
>> that the mag field is so weak there is no danger of string pull.  
>>  
>> W. Mark Wilson wrote:  
>>> Bill,  
>>>  
>>> EYE----LLLLLLLOOOOOVVVVVVVEEEEEEE EMG's. There are only a few passives  
>>> that I wish for and I do have them (the Bill Lawrence L500 being 3 of  
>>> them). I've got a set of original SA's in a strat I built 22 years ago.  
>>> Rod Lincoln will probably remember seeing this guitar as I had just  
>>> finished it when he and I did a little touring together. I haven't  
>>> touched the guitar since the day I put it together. These SA's have seen  
>>> action every day with rare exception for 22 years and they still blow me  
>>> and everybody else away.  
>>>  
>>> W. Mark Wilson  
>>>  
>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>> news:493fe8f0\$1@linux...  
>>>> A few months ago I posted asking my friends to talk me out of adding a  
>>>> single coil pickup to my Ibanez Artist semi-hollow electric (335-style).  
>>>> I withdrew from that path of no return and installed EMG 89s. They are a  
>>>> humbucker case with both a complete humbucker and a complete single coil  
>>>> inside, side by side.  
>>>>  
>>>> While I lost the predomoinance of gritty high mids that worked for some  
>>>> sounds, but were a problem with others (and which I can get back easily  
>>>> with tone controls), I have gained a lot of new sounds which are hugely  
>>>> advantageous and make the guitar a true Gigmaster. I can use it for  
>>>> jazz, rock and spanking R&B and everything in between.  
>>>>  
>>>> It does not sound like a Strat, mind you; it doesn't have the je ne sais  
>>>> quoi - dare I call it "deadness" - of a real Strat but it does give  
>>>> sweet single coil sounds that fit really well in music on which I would  
>>>> normally use my strat. An interesting unexpected benefit is how I love  
>>>> the single coil neck position for straight ahead jazz tone.  
>>>>  
>>>> Check 'em out!  
>

---

---



Subject: Re: OT - EMG 89 pickup report  
Posted by [xpam\\_mark](#) on Wed, 17 Dec 2008 17:41:12 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

By thrash, I mean, dynamic range. On a 9V supply (the minimum op voltage) they tend to output a narrower dynamic range (eg, compression). On 18V, the range opens.

WMW

"Bill L" <[bill@billlorentzen.com](mailto:bill@billlorentzen.com)> wrote in message [news:4948f883\\$1@linux...](#)  
> What do you mean "thrash"? Is that more clean gain? I do like the idea of  
> the 3 individual switches.

>  
> Actually I am running into a small problem with the 89s that they  
> overdrive the compressor in the Tonelab. Even at the lowest setting, there  
> is too much click on the attack. I'm finding I get the best tone with the  
> volume knobs down to 3 or 4, which bugs me because all my life I have just  
> put vols at 10. I guess I can learn some new tricks if I have to.

>  
> W. Mark Wilson wrote:  
>> I have that same pot on mine Bill... "RPC" as I recall (sooooo long ago  
>> now) and it does throw a rise on output that really drives any amp  
>> nicely, clean or dirty. Here's a tip on those SA's.... run them on 9V  
>> and they remain kinda compressed sounding. Put them on 18V and they  
>> thrash nicely. I simply cut my strat for 2 9V batts and added a  
>> series/parallel switch for 9V/18V. I also elected to have an on off for  
>> every pickup output as opposed to a 5-way switch. It gives me three  
>> extra positions: all on / all off / 1 & 3 only. The 1 and 3 only  
>> position with the RPC up full makes for some great pedal steel tones if  
>> you can vol-pedal and whammy emulate pedal steel vibrato.

>>  
>> Mark

>>  
>> "Bill L" <[bill@billlorentzen.com](mailto:bill@billlorentzen.com)> wrote in message  
>> [news:4943f487\\$1@linux...](#)  
>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar tech  
>>> calls it my "pointy guitar" 'cause of that 80's headstock), and I still  
>>> love 'em. On the strat I installed a mid boost circuit replacing the 3rd  
>>> pot (I found a tone control on the bridge pickup oxymoronic anyway).  
>>> This circuit gives a little more balls for crunch and sometimes a little  
>>> extra body for playing jazz or fusion (which I try to avoid with this  
>>> guitar). Anyway, I do agree EMGs are sweet.

>>>  
>>> One thing I was not aware of until reading the diagram for this install  
>>> (which was a bitch in a semi-hollow, BTW) is that they recommend  
>>> adjusting their PUPs as close to the string as possible for maximum  
>>> tone. They state that the mag field is so weak there is no danger of

>>> string pull.  
>>>  
>>> W. Mark Wilson wrote:  
>>>> Bill,  
>>>>  
>>>> EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few passives  
>>>> that I wish for and I do have them (the Bill Lawrence L500 being 3 of  
>>>> them). I've got a set of original SA's in a strat I built 22 years  
>>>> ago. Rod Lincoln will probably remember seeing this guitar as I had  
>>>> just finished it when he and I did a little touring together. I  
>>>> haven't touched the guitar since the day I put it together. These SA's  
>>>> have seen action every day with rare exception for 22 years and they  
>>>> still blow me and everybody else away.  
>>>>  
>>>> W. Mark Wilson  
>>>>  
>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>> news:493fe8f0\$1@linux...  
>>>>> A few months ago I posted asking my friends to talk me out of adding a  
>>>>> single coil pickup to my Ibanez Artist semi-hollow electric  
>>>>> (335-style). I withdrew from that path of no return and installed EMG  
>>>>> 89s. They are a humbucker case with both a complete humbucker and a  
>>>>> complete single coil inside, side by side.  
>>>>>  
>>>>> While I lost the predomoinance of gritty high mids that worked for  
>>>>> some sounds, but were a problem with others (and which I can get back  
>>>>> easily with tone controls), I have gained a lot of new sounds which  
>>>>> are hugely advantageous and make the guitar a true Gigmaster. I can  
>>>>> use it for jazz, rock and spanking R&B and everything in between.  
>>>>>  
>>>>> It does not sound like a Strat, mind you; it doesn't have the je ne  
>>>>> sais quoi - dare I call it "deadness" - of a real Strat but it does  
>>>>> give sweet single coil sounds that fit really well in music on which I  
>>>>> would normally use my strat. An interesting unexpected benefit is how  
>>>>> I love the single coil neck position for straight ahead jazz tone.  
>>>>>  
>>>>> Check 'em out!  
>>

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [Bill L](#) on Thu, 18 Dec 2008 23:48:55 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Interesting.

W. Mark Wilson wrote:  
> By thrash, I mean, dynamic range. On a 9V supply (the minimum op voltage)

> they tend to output a narrower dynamic range (eg, compressoion). On 18V,  
> the range opens.  
>  
> WMW  
>  
>  
> "Bill L" <bill@billlorentzen.com> wrote in message news:4948f883\$1@linux...  
>> What do you mean "thrash"? Is that more clean gain? I do like the idea of  
>> the 3 individual switches.  
>>  
>> Actually I am running into a small problem with the 89s that they  
>> overdrive the compressor in the Tonelab. Even at the lowest setting, there  
>> is too much click on the attack. I'm finding I get the best tone with the  
>> volume knobs down to 3 or 4, which bugs me because all my life I have just  
>> put vols at 10. I guess I can learn some new tricks if I have to.  
>>  
>> W. Mark Wilson wrote:  
>>> I have that same pot on mine Bill... "RPC" as I recall (sooooo long ago  
>>> now) and it does throw a rise on output that really drives any amp  
>>> nicely, clean or dirty. Here's a tip on those SA's.... run them on 9V  
>>> and they remain kinda compressed sounding. Put them on 18V and they  
>>> thrash nicely. I simply cut my strat for 2 9V batts and added a  
>>> series/parallel switch for 9V/18V. I also elected to have an on off for  
>>> every pickup output as opposed to a 5-way switch. It gives me three  
>>> extra positions: all on / all off / 1 & 3 only. The 1 and 3 only  
>>> position with the RPC up full makes for some great pedal steel tones if  
>>> you can vol-pedal and whammy emulate pedal steel vibrato.  
>>>  
>>> Mark  
>>>  
>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>> news:4943f487\$1@linux...  
>>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar tech  
>>>> calls it my "pointy guitar" 'cause of that 80's headstock), and I still  
>>>> love 'em. On the strat I installed a mid boost circuit replacing the 3rd  
>>>> pot (I found a tone control on the bridge pickup oxymoronic anyway).  
>>>> This circuit gives a little more balls for crunch and sometimes a little  
>>>> extra body for playing jazz or fusion (which I try to avoid with this  
>>>> guitar). Anyway, I do agree EMGs are sweet.  
>>>>  
>>>> One thing I was not aware of until reading the diagram for this install  
>>>> (which was a bitch in a semi-hollow, BTW) is that they recommend  
>>>> adjusting their PUPs as close to the string as possible for maximum  
>>>> tone. They state that the mag field is so weak there is no danger of  
>>>> string pull.  
>>>>  
>>>> W. Mark Wilson wrote:  
>>>>> Bill,

>>>>  
>>>> EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few passives  
>>>> that I wish for and I do have them (the Bill Lawrence L500 being 3 of  
>>>> them). I've got a set of original SA's in a strat I built 22 years  
>>>> ago. Rod Lincoln will probably remember seeing this guitar as I had  
>>>> just finished it when he and I did a little touring together. I  
>>>> haven't touched the guitar since the day I put it together. These SA's  
>>>> have seen action every day with rare exception for 22 years and they  
>>>> still blow me and everybody else away.

>>>>

>>>> W. Mark Wilson

>>>>

>>>> "Bill L" <bill@billlorentzen.com> wrote in message

>>>> news:493fe8f0\$1@linux...

>>>>> A few months ago I posted asking my friends to talk me out of adding a

>>>>> single coil pickup to my Ibanez Artist semi-hollow electric

>>>>> (335-style). I withdrew from that path of no return and installed EMG

>>>>> 89s. They are a humbucker case with both a complete humbucker and a

>>>>> complete single coil inside, side by side.

>>>>>

>>>>> While I lost the predomoinance of gritty high mids that worked for

>>>>> some sounds, but were a problem with others (and which I can get back

>>>>> easily with tone controls), I have gained a lot of new sounds which

>>>>> are hugely advantageous and make the guitar a true Gigmaster. I can

>>>>> use it for jazz, rock and spanking R&B and everything in between.

>>>>>

>>>>> It does not sound like a Strat, mind you; it doesn't have the je ne

>>>>> sais quoi - dare I call it "deadness" - of a real Strat but it does

>>>>> give sweet single coil sounds that fit really well in music on which I

>>>>> would normally use my strat. An interesting unexpected benefit is how

>>>>> I love the single coil neck position for straight ahead jazz tone.

>>>>>

>>>>> Check 'em out!

>

>

---

Subject: Re: OT - EMG 89 pickup report

Posted by [xpam\\_mark](#) on Fri, 19 Dec 2008 01:52:24 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

This information came straight from Overlend Corp techs (who at that time was EMG).

WMW

"Bill L" <bill@billlorentzen.com> wrote in message news:494ae51f\$1@linux...

> Interesting.

>  
> W. Mark Wilson wrote:  
>> By thrash, I mean, dynamic range. On a 9V supply (the minimum op  
>> voltage) they tend to output a narrower dynamic range (eg, compression).  
>> On 18V, the range opens.  
>>  
>> WMW  
>>  
>>  
>> "Bill L" <bill@billlorentzen.com> wrote in message  
>> news:4948f883\$1@linux...  
>>> What do you mean "thrash"? Is that more clean gain? I do like the idea  
>>> of the 3 individual switches.  
>>>  
>>> Actually I am running into a small problem with the 89s that they  
>>> overdrive the compressor in the Tonelab. Even at the lowest setting,  
>>> there is too much click on the attack. I'm finding I get the best tone  
>>> with the volume knobs down to 3 or 4, which bugs me because all my life  
>>> I have just put vols at 10. I guess I can learn some new tricks if I  
>>> have to.  
>>>  
>>> W. Mark Wilson wrote:  
>>>> I have that same pot on mine Bill... "RPC" as I recall (sooooo long  
>>>> ago now) and it does throw a rise on output that really drives any amp  
>>>> nicely, clean or dirty. Here's a tip on those SA's.... run them on  
>>>> 9V and they remain kinda compressed sounding. Put them on 18V and they  
>>>> thrash nicely. I simply cut my strat for 2 9V batts and added a  
>>>> series/parallel switch for 9V/18V. I also elected to have an on off  
>>>> for every pickup output as opposed to a 5-way switch. It gives me  
>>>> three extra positions: all on / all off / 1 & 3 only. The 1 and 3  
>>>> only position with the RPC up full makes for some great pedal steel  
>>>> tones if you can vol-pedal and whammy emulate pedal steel vibrato.  
>>>>  
>>>> Mark  
>>>>  
>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>> news:4943f487\$1@linux...  
>>>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar tech  
>>>>> calls it my "pointy guitar" 'cause of that 80's headstock), and I  
>>>>> still love 'em. On the strat I installed a mid boost circuit replacing  
>>>>> the 3rd pot (I found a tone control on the bridge pickup oxymoronic  
>>>>> anyway). This circuit gives a little more balls for crunch and  
>>>>> sometimes a little extra body for playing jazz or fusion (which I try  
>>>>> to avoid with this guitar). Anyway, I do agree EMGs are sweet.  
>>>>>  
>>>>> One thing I was not aware of until reading the diagram for this  
>>>>> install (which was a bitch in a semi-hollow, BTW) is that they  
>>>>> recommend adjusting their PUPs as close to the string as possible for

>>>> maximum tone. They state that the mag field is so weak there is no  
>>>> danger of string pull.  
>>>>  
>>>> W. Mark Wilson wrote:  
>>>>> Bill,  
>>>>>  
>>>>> EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few passives  
>>>>> that I wish for and I do have them (the Bill Lawrence L500 being 3 of  
>>>>> them). I've got a set of original SA's in a strat I built 22 years  
>>>>> ago. Rod Lincoln will probably remember seeing this guitar as I had  
>>>>> just finished it when he and I did a little touring together. I  
>>>>> haven't touched the guitar since the day I put it together. These  
>>>>> SA's have seen action every day with rare exception for 22 years and  
>>>>> they still blow me and everybody else away.  
>>>>>  
>>>>> W. Mark Wilson  
>>>>>  
>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>> news:493fe8f0\$1@linux...  
>>>>> A few months ago I posted asking my friends to talk me out of adding  
>>>>> a single coil pickup to my Ibanez Artist semi-hollow electric  
>>>>> (335-style). I withdrew from that path of no return and installed  
>>>>> EMG 89s. They are a humbucker case with both a complete humbucker  
>>>>> and a complete single coil inside, side by side.  
>>>>>  
>>>>> While I lost the predomoinance of gritty high mids that worked for  
>>>>> some sounds, but were a problem with others (and which I can get  
>>>>> back easily with tone controls), I have gained a lot of new sounds  
>>>>> which are hugely advantageous and make the guitar a true Gigmaster.  
>>>>> I can use it for jazz, rock and spanking R&B and everything in  
>>>>> between.  
>>>>>  
>>>>> It does not sound like a Strat, mind you; it doesn't have the je ne  
>>>>> sais quoi - dare I call it "deadness" - of a real Strat but it does  
>>>>> give sweet single coil sounds that fit really well in music on which  
>>>>> I would normally use my strat. An interesting unexpected benefit is  
>>>>> how I love the single coil neck position for straight ahead jazz  
>>>>> tone.  
>>>>>  
>>>>> Check 'em out!  
>>

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [Bill L](#) on Sat, 20 Dec 2008 19:14:43 GMT  
[View Forum Message](#) <> [Reply to Message](#)

It makes sense. The local Sam Ash tech who is pretty smart, suggested I

be careful to keep the batteries up to 9 volts and use a meter to make sure of it. You mention below that you use a series parallel switch. Is that so you can use one battery if you need to? Could you 'splain me how that's wired?

Damn, I love this N/G. We got some smart and talented folks here in Casablanca.

W. Mark Wilson wrote:

> This information came straight from Overlend Corp techs (who at that time  
> was EMG).

>

> WMW

>

> "Bill L" <bill@billlorentzen.com> wrote in message news:494ae51f\$1@linux...

>> Interesting.

>>

>> W. Mark Wilson wrote:

>>> By thrash, I mean, dynamic range. On a 9V supply (the mininum op  
>>> voltage) they tend to output a narrower dynamic range (eg, compressoion).

>>> On 18V, the range opens.

>>>

>>> WMW

>>>

>>>

>>> "Bill L" <bill@billlorentzen.com> wrote in message

>>> news:4948f883\$1@linux...

>>>> What do you mean "thrash"? Is that more clean gain? I do like the idea

>>>> of the 3 individual switches.

>>>>

>>>> Actually I am running into a small problem with the 89s that they  
>>>> overdrive the compressor in the Tonelab. Even at the lowest setting,  
>>>> there is too much click on the attack. I'm finding I get the best tone  
>>>> with the volume knobs down to 3 or 4, which bugs me because all my life  
>>>> I have just put vols at 10. I guess I can learn some new tricks if I  
>>>> have to.

>>>>

>>>> W. Mark Wilson wrote:

>>>>> I have that same pot on mine Bill... "RPC" as I recall (sooooo long

>>>>> ago now) and it does throw a rise on output that really drives any amp

>>>>> nicely, clean or dirty. Here's a tip on those SA's.... run them on

>>>>> 9V and they remain kinda compressed sounding. Put them on 18V and they

>>>>> thrash nicely. I simply cut my strat for 2 9V batts and added a

>>>>> series/parallel switch for 9V/18V. I also elected to have an on off

>>>>> for every pickup output as opposed to a 5-way switch. It gives me

>>>>> three extra positions: all on / all off / 1 & 3 only. The 1 and 3

>>>>> only position with the RPC up full makes for some great pedal steel

>>>>> tones if you can vol-pedal and whammy emulate pedal steel vibrato.



>>>>  
>>>> Mark  
>>>>  
>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>> news:4943f487\$1@linux...  
>>>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar tech  
>>>>> calls it my "pointy guitar" 'cause of that 80's headstock), and I  
>>>>> still love 'em. On the strat I installed a mid boost circuit replacing  
>>>>> the 3rd pot (I found a tone control on the bridge pickup oxymoronic  
>>>>> anyway). This circuit gives a little more balls for crunch and  
>>>>> sometimes a little extra body for playing jazz or fusion (which I try  
>>>>> to avoid with this guitar). Anyway, I do agree EMGs are sweet.  
>>>>>  
>>>>> One thing I was not aware of until reading the diagram for this  
>>>>> install (which was a bitch in a semi-hollow, BTW) is that they  
>>>>> recommend adjusting their PUPs as close to the string as possible for  
>>>>> maximum tone. They state that the mag field is so weak there is no  
>>>>> danger of string pull.  
>>>>>  
>>>>> W. Mark Wilson wrote:  
>>>>>> Bill,  
>>>>>>  
>>>>>> EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few passives  
>>>>>> that I wish for and I do have them (the Bill Lawrence L500 being 3 of  
>>>>>> them). I've got a set of original SA's in a strat I built 22 years  
>>>>>> ago. Rod Lincoln will probably remember seeing this guitar as I had  
>>>>>> just finished it when he and I did a little touring together. I  
>>>>>> haven't touched the guitar since the day I put it together. These  
>>>>>> SA's have seen action every day with rare exception for 22 years and  
>>>>>> they still blow me and everybody else away.  
>>>>>>  
>>>>>> W. Mark Wilson  
>>>>>>  
>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>> news:493fe8f0\$1@linux...  
>>>>>>> A few months ago I posted asking my friends to talk me out of adding  
>>>>>>> a single coil pickup to my Ibanez Artist semi-hollow electric  
>>>>>>> (335-style). I withdrew from that path of no return and installed  
>>>>>>> EMG 89s. They are a humbucker case with both a complete humbucker  
>>>>>>> and a complete single coil inside, side by side.  
>>>>>>>  
>>>>>>> While I lost the predomoinance of gritty high mids that worked for  
>>>>>>> some sounds, but were a problem with others (and which I can get  
>>>>>>> back easily with tone controls), I have gained a lot of new sounds  
>>>>>>> which are hugely advantageous and make the guitar a true Gigmaster.  
>>>>>>> I can use it for jazz, rock and spanking R&B and everything in  
>>>>>>> between.  
>>>>>>>

>>>>>>> It does not sound like a Strat, mind you; it doesn't have the je ne  
>>>>>>> sais quoi - dare I call it "deadness" - of a real Strat but it does  
>>>>>>> give sweet single coil sounds that fit really well in music on which  
>>>>>>> I would normally use my strat. An interesting unexpected benefit is  
>>>>>>> how I love the single coil neck position for straight ahead jazz  
>>>>>>> tone.  
>>>>>>>  
>>>>>>> Check 'em out!  
>

---

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [kerryg](#) on Sun, 21 Dec 2008 00:20:08 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Huh. That's Rick Turner's thing too - he runs his piezo systems at 18v because he says transients can take the full 9v and then some. Seems this confirms that.

- K

On 12/20/08 11:14 AM, in article 494d47d1\$1@linux, "Bill L" <bill@billlorentzen.com> wrote:

> It makes sense. The local Sam Ash tech who is pretty smart, suggested I  
> be careful to keep the batteries up to 9 volts and use a meter to make  
> sure of it. You mention below that you use a series parallel switch. Is  
> that so you can use one battery if you need to? Could you 'splain me how  
> that's wired?  
>  
> Damn, I love this N/G. We got some smart and talented folks here in  
> Casablanca.  
>  
> W. Mark Wilson wrote:  
>> This information came straight from Overlend Corp techs (who at that time  
>> was EMG).  
>>  
>> WMW  
>>  
>> "Bill L" <bill@billlorentzen.com> wrote in message news:494ae51f\$1@linux...  
>>> Interesting.  
>>>  
>>> W. Mark Wilson wrote:  
>>>> By thrash, I mean, dynamic range. On a 9V supply (the minimum op  
>>>> voltage) they tend to output a narrower dynamic range (eg, compressioin).  
>>>> On 18V, the range opens.  
>>>>  
>>>> WMW

>>>>  
>>>>  
>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>> news:4948f883\$1@linux...  
>>>>> What do you mean "thrash"? Is that more clean gain? I do like the idea  
>>>>> of the 3 individual switches.  
>>>>>  
>>>>> Actually I am running into a small problem with the 89s that they  
>>>>> overdrive the compressor in the Tonelab. Even at the lowest setting,  
>>>>> there is too much click on the attack. I'm finding I get the best tone  
>>>>> with the volume knobs down to 3 or 4, which bugs me because all my life  
>>>>> I have just put vols at 10. I guess I can learn some new tricks if I  
>>>>> have to.  
>>>>>  
>>>>> W. Mark Wilson wrote:  
>>>>>> I have that same pot on mine Bill... "RPC" as I recall (sooooo long  
>>>>>> ago now) and it does throw a rise on output that really drives any amp  
>>>>>> nicely, clean or dirty. Here's a tip on those SA's.... run them on  
>>>>>> 9V and they remain kinda compressed sounding. Put them on 18V and they  
>>>>>> thrash nicely. I simply cut my strat for 2 9V batts and added a  
>>>>>> series/parallel switch for 9V/18V. I also elected to have an on off  
>>>>>> for every pickup output as opposed to a 5-way switch. It gives me  
>>>>>> three extra positions: all on / all off / 1 & 3 only. The 1 and 3  
>>>>>> only position with the RPC up full makes for some great pedal steel  
>>>>>> tones if you can vol-pedal and whammy emulate pedal steel vibrato.  
>>>>>>  
>>>>>> Mark  
>>>>>>  
>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>> news:4943f487\$1@linux...  
>>>>>>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar tech  
>>>>>>>> calls it my "pointy guitar" 'cause of that 80's headstock), and I  
>>>>>>>> still love 'em. On the strat I installed a mid boost circuit replacing  
>>>>>>>> the 3rd pot (I found a tone control on the bridge pickup oxymoronic  
>>>>>>>> anyway). This circuit gives a little more balls for crunch and  
>>>>>>>> sometimes a little extra body for playing jazz or fusion (which I try  
>>>>>>>> to avoid with this guitar). Anyway, I do agree EMGs are sweet.  
>>>>>>>>  
>>>>>>>>> One thing I was not aware of until reading the diagram for this  
>>>>>>>>> install (which was a bitch in a semi-hollow, BTW) is that they  
>>>>>>>>> recommend adjusting their PUPs as close to the string as possible for  
>>>>>>>>> maximum tone. They state that the mag field is so weak there is no  
>>>>>>>>> danger of string pull.  
>>>>>>>>>  
>>>>>>>>>> W. Mark Wilson wrote:  
>>>>>>>>>>> Bill,  
>>>>>>>>>>>>  
>>>>>>>>>>>>> EYE----LLLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few passives

>>>>>>> that I wish for and I do have them (the Bill Lawrence L500 being 3 of  
>>>>>>> them). I've got a set of original SA's in a strat I built 22 years  
>>>>>>> ago. Rod Lincoln will probably remember seeing this guitar as I had  
>>>>>>> just finished it when he and I did a little touring together. I  
>>>>>>> haven't touched the guitar since the day I put it together. These  
>>>>>>> SA's have seen action every day with rare exception for 22 years and  
>>>>>>> they still blow me and everybody else away.  
>>>>>>>  
>>>>>>> W. Mark Wilson  
>>>>>>>  
>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>> news:493fe8f0\$1@linux...  
>>>>>>> A few months ago I posted asking my friends to talk me out of adding  
>>>>>>> a single coil pickup to my Ibanez Artist semi-hollow electric  
>>>>>>> (335-style). I withdrew from that path of no return and installed  
>>>>>>> EMG 89s. They are a humbucker case with both a complete humbucker  
>>>>>>> and a complete single coil inside, side by side.  
>>>>>>>  
>>>>>>> While I lost the predominance of gritty high mids that worked for  
>>>>>>> some sounds, but were a problem with others (and which I can get  
>>>>>>> back easily with tone controls), I have gained a lot of new sounds  
>>>>>>> which are hugely advantageous and make the guitar a true Gigmaster.  
>>>>>>> I can use it for jazz, rock and spanking R&B and everything in  
>>>>>>> between.  
>>>>>>>  
>>>>>>> It does not sound like a Strat, mind you; it doesn't have the je ne  
>>>>>>> sais quoi - dare I call it "deadness" - of a real Strat but it does  
>>>>>>> give sweet single coil sounds that fit really well in music on which  
>>>>>>> I would normally use my strat. An interesting unexpected benefit is  
>>>>>>> how I love the single coil neck position for straight ahead jazz  
>>>>>>> tone.  
>>>>>>>  
>>>>>>> Check 'em out!  
>>

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [Aaron Allen](#) on Sun, 21 Dec 2008 14:41:03 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Quite typically power rails for op amps run 18 and 24 volt rails to operate. Most of the circuits I've built for myself in the past use + and - rails at a minimum of 9v each (IE, 18 volts) to have proper headroom. This is not a shock what Mark is saying, I'm just a little surprised that EMG is using standard parts/op amps in a space saving design. I gotta try this some time, but it totally makes sense to me. To give you guys an idea, in the 80's I used to tinker inside an old Peavey XR800 console using it as a test bed of sorts for learning and my earlier designs. 4558 dual op amps all over the

place. Hartley Peavey used + and - rails on the design, at 15 volts each (IE, 30 volt total) to feed. You want optimally to feed an operational amplifier as much as it can take w/o overloading for max results in CMRR, noise, and dynamic capabilities. Most of them run +-12 or +-15vdc, or at least used to. I haven't designed in probably 10 years. For those of you really interested, you can add a resistance network to your 9v and up the voltage, but it'll blow through batteries a lot faster.

AA

"Kerry Galloway" <kg@kerrygalloway.com> wrote in message news:C572CBB8.C10B%kg@kerrygalloway.com...

> Huh. That's Rick Turner's thing too - he runs his piezo systems at 18v  
> because he says transients can take the full 9v and then some. Seems this  
> confirms that.

>

> - K

>

> On 12/20/08 11:14 AM, in article 494d47d1\$1@linux, "Bill L"

> <bill@billlorentzen.com> wrote:

>

>> It makes sense. The local Sam Ash tech who is pretty smart, suggested I  
>> be careful to keep the batteries up to 9 volts and use a meter to make  
>> sure of it. You mention below that you use a series parallel switch. Is  
>> that so you can use one battery if you need to? Could you 'splain me how  
>> that's wired?

>>

>> Damn, I love this N/G. We got some smart and talented folks here in  
>> Casablanca.

>>

>> W. Mark Wilson wrote:

>>> This information came straight from Overlend Corp techs (who at that  
>>> time  
>>> was EMG).

>>>

>>> WMW

>>>

>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>> news:494ae51f\$1@linux...

>>>> Interesting.

>>>>

>>>> W. Mark Wilson wrote:

>>>>> By thrash, I mean, dynamic range. On a 9V supply (the minimum op  
>>>>> voltage) they tend to output a narrower dynamic range (eg,  
>>>>> compressioin).

>>>>> On 18V, the range opens.

>>>>>

>>>> WMW  
>>>>  
>>>>  
>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>> news:4948f883\$1@linux...  
>>>>> What do you mean "thrash"? Is that more clean gain? I do like the  
>>>>> idea  
>>>>> of the 3 individual switches.  
>>>>>  
>>>>> Actually I am running into a small problem with the 89s that they  
>>>>> overdrive the compressor in the Tonelab. Even at the lowest setting,  
>>>>> there is too much click on the attack. I'm finding I get the best  
>>>>> tone  
>>>>> with the volume knobs down to 3 or 4, which bugs me because all my  
>>>>> life  
>>>>> I have just put vols at 10. I guess I can learn some new tricks if I  
>>>>> have to.  
>>>>>  
>>>>> W. Mark Wilson wrote:  
>>>>>> I have that same pot on mine Bill... "RPC" as I recall (sooooo long  
>>>>>> ago now) and it does throw a rise on output that really drives any  
>>>>>> amp  
>>>>>> nicely, clean or dirty. Here's a tip on those SA's.... run them  
>>>>>> on  
>>>>>> 9V and they remain kinda compressed sounding. Put them on 18V and  
>>>>>> they  
>>>>>> thrash nicely. I simply cut my strat for 2 9V batts and added a  
>>>>>> series/parallel switch for 9V/18V. I also elected to have an on off  
>>>>>> for every pickup output as opposed to a 5-way switch. It gives me  
>>>>>> three extra positions: all on / all off / 1 & 3 only. The 1 and 3  
>>>>>> only position with the RPC up full makes for some great pedal steel  
>>>>>> tones if you can vol-pedal and whammy emulate pedal steel vibrato.  
>>>>>>  
>>>>>> Mark  
>>>>>>  
>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>> news:4943f487\$1@linux...  
>>>>>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar  
>>>>>>> tech  
>>>>>>> calls it my "pointy guitar" 'cause of that 80's headstock), and I  
>>>>>>> still love 'em. On the strat I installed a mid boost circuit  
>>>>>>> replacing  
>>>>>>> the 3rd pot (I found a tone control on the bridge pickup oxymoronic  
>>>>>>> anyway). This circuit gives a little more balls for crunch and  
>>>>>>> sometimes a little extra body for playing jazz or fusion (which I  
>>>>>>> try  
>>>>>>> to avoid with this guitar). Anyway, I do agree EMGs are sweet.  
>>>>>>>

>>>>>>> One thing I was not aware of until reading the diagram for this  
>>>>>>> install (which was a bitch in a semi-hollow, BTW) is that they  
>>>>>>> recommend adjusting their PUPs as close to the string as possible  
>>>>>>> for  
>>>>>>> maximum tone. They state that the mag field is so weak there is no  
>>>>>>> danger of string pull.  
>>>>>>>  
>>>>>>> W. Mark Wilson wrote:  
>>>>>>> Bill,  
>>>>>>>  
>>>>>>> EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few  
>>>>>>> passives  
>>>>>>> that I wish for and I do have them (the Bill Lawrence L500 being 3  
>>>>>>> of  
>>>>>>> them). I've got a set of original SA's in a strat I built 22  
>>>>>>> years  
>>>>>>> ago. Rod Lincoln will probably remember seeing this guitar as I  
>>>>>>> had  
>>>>>>> just finished it when he and I did a little touring together. I  
>>>>>>> haven't touched the guitar since the day I put it together. These  
>>>>>>> SA's have seen action every day with rare exception for 22 years  
>>>>>>> and  
>>>>>>> they still blow me and everybody else away.  
>>>>>>>  
>>>>>>> W. Mark Wilson  
>>>>>>>  
>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>> news:493fe8f0\$1@linux...  
>>>>>>> A few months ago I posted asking my friends to talk me out of  
>>>>>>> adding  
>>>>>>> a single coil pickup to my Ibanez Artist semi-hollow electric  
>>>>>>> (335-style). I withdrew from that path of no return and installed  
>>>>>>> EMG 89s. They are a humbucker case with both a complete humbucker  
>>>>>>> and a complete single coil inside, side by side.  
>>>>>>>  
>>>>>>> While I lost the predomoinance of gritty high mids that worked  
>>>>>>> for  
>>>>>>> some sounds, but were a problem with others (and which I can get  
>>>>>>> back easily with tone controls), I have gained a lot of new  
>>>>>>> sounds  
>>>>>>> which are hugely advantageous and make the guitar a true  
>>>>>>> Gigmaster.  
>>>>>>> I can use it for jazz, rock and spanking R&B and everything in  
>>>>>>> between.  
>>>>>>>  
>>>>>>> It does not sound like a Strat, mind you; it doesn't have the je  
>>>>>>> ne  
>>>>>>> sais quoi - dare I call it "deadness" - of a real Strat but it



>>>>>>>>> does  
>>>>>>>>> give sweet single coil sounds that fit really well in music on  
>>>>>>>>> which  
>>>>>>>>> I would normally use my strat. An interesting unexpected benefit  
>>>>>>>>> is  
>>>>>>>>> how I love the single coil neck position for straight ahead jazz  
>>>>>>>>> tone.  
>>>>>>>>>  
>>>>>>>>> Check 'em out!  
>>>  
>

---

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [xpam\\_mark](#) on Mon, 22 Dec 2008 10:59:05 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I think EMG prolly doesn't push the 2-batt thing because most guits aren't gonna be prep'd for two or have room for two even if prep'd for one battery. And they still work and sound good on 9V. Keep in mind and consider that even at 9V supply, even a single coil S or SA will output 3v pk to pk. I have mine setup to feed all 3 coils at once... voooom baby... lotsa meaty whumpass and the voltage to prove it. That's relatively freakin amazing consider how quiet they stay (single coils are notoriously noisy) even under dimmers and in front of CRT's.

Give a try Bill.... that 89 will kick ass on 9V and reak gorgeous havoc on 18V. Please note however, you wanna be careful about plugging in your guitar last when you cable's output end is already feeding something because there will be a moment during guitar plugin that your receiving device will see that 18v and the device may not hold up too many times under that transient.

WMW

"Aaron Allen" <know-spam@not\_here.dude> wrote in message news:494e5922\$1@linux...

> Quite typically power rails for op amps run 18 and 24 volt rails to  
> operate. Most of the circuits I've built for myself in the past use +  
> and - rails at a minimum of 9v each (IE, 18 volts) to have proper  
> headroom. This is not a shock what Mark is saying, I'm just a little  
> surprised that EMG is using standard parts/op amps in a space saving  
> design. I gotta try this some time, but it totally makes sense to me. To  
> give you guys an idea, in the 80's I used to tinker inside an old Peavey  
> XR800 console using it as a test bed of sorts for learning and my earlier  
> designs. 4558 dual op amps all over the place. Hartley Peavey used + and -  
> rails on the design, at 15 volts each (IE, 30 volt total) to feed. You  
> want optimally to feed an operational amplifier as much as it can take w/o

> overloading for max results in CMRR, noise, and dynamic capabilities. Most  
> of them run +-12 or +-15vdc, or at least used to. I haven't designed in  
> probably 10 years.  
> For those of you really interested, you can add a resistance network to  
> your 9v and up the voltage, but it'll blow through batteries a lot faster.  
>  
> AA  
>  
>  
> "Kerry Galloway" <kg@kerrygalloway.com> wrote in message  
> news:C572CBB8.C10B%kg@kerrygalloway.com...  
>> Huh. That's Rick Turner's thing too - he runs his piezo systems at 18v  
>> because he says transients can take the full 9v and then some. Seems this  
>> confirms that.  
>>  
>> - K  
>>  
>> On 12/20/08 11:14 AM, in article 494d47d1\$1@linux, "Bill L"  
>> <bill@billlorentzen.com> wrote:  
>>  
>>> It makes sense. The local Sam Ash tech who is pretty smart, suggested I  
>>> be careful to keep the batteries up to 9 volts and use a meter to make  
>>> sure of it. You mention below that you use a series parallel switch. Is  
>>> that so you can use one battery if you need to? Could you 'splain me how  
>>> that's wired?  
>>>  
>>> Damn, I love this N/G. We got some smart and talented folks here in  
>>> Casablanca.  
>>>  
>>> W. Mark Wilson wrote:  
>>>> This information came straight from Overlend Corp techs (who at that  
>>>> time  
>>>> was EMG).  
>>>>  
>>>> WMW  
>>>>  
>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>> news:494ae51f\$1@linux...  
>>>>> Interesting.  
>>>>>  
>>>>> W. Mark Wilson wrote:  
>>>>>> By thrash, I mean, dynamic range. On a 9V supply (the mininum op  
>>>>>> voltage) they tend to output a narrower dynamic range (eg,  
>>>>>> compressoion).  
>>>>>> On 18V, the range opens.  
>>>>>>  
>>>>>> WMW  
>>>>>>

>>>>>  
>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>> news:4948f883\$1@linux...  
>>>>> What do you mean "thrash"? Is that more clean gain? I do like the  
>>>>> idea  
>>>>> of the 3 individual switches.  
>>>>>  
>>>>> Actually I am running into a small problem with the 89s that they  
>>>>> overdrive the compressor in the Tonelab. Even at the lowest setting,  
>>>>> there is too much click on the attack. I'm finding I get the best  
>>>>> tone  
>>>>> with the volume knobs down to 3 or 4, which bugs me because all my  
>>>>> life  
>>>>> I have just put vols at 10. I guess I can learn some new tricks if I  
>>>>> have to.  
>>>>>  
>>>>> W. Mark Wilson wrote:  
>>>>> I have that same pot on mine Bill... "RPC" as I recall (sooooo  
>>>>> long  
>>>>> ago now) and it does throw a rise on output that really drives any  
>>>>> amp  
>>>>> nicely, clean or dirty. Here's a tip on those SA's.... run them  
>>>>> on  
>>>>> 9V and they remain kinda compressed sounding. Put them on 18V and  
>>>>> they  
>>>>> thrash nicely. I simply cut my strat for 2 9V batts and added a  
>>>>> series/parallel switch for 9V/18V. I also elected to have an on  
>>>>> off  
>>>>> for every pickup output as opposed to a 5-way switch. It gives me  
>>>>> three extra positions: all on / all off / 1 & 3 only. The 1 and 3  
>>>>> only position with the RPC up full makes for some great pedal steel  
>>>>> tones if you can vol-pedal and whammy emulate pedal steel vibrato.  
>>>>>  
>>>>> Mark  
>>>>>  
>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>> news:4943f487\$1@linux...  
>>>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar  
>>>>> tech  
>>>>> calls it my "pointy guitar" 'cause of that 80's headstock), and I  
>>>>> still love 'em. On the strat I installed a mid boost circuit  
>>>>> replacing  
>>>>> the 3rd pot (I found a tone control on the bridge pickup  
>>>>> oxymoronic  
>>>>> anyway). This circuit gives a little more balls for crunch and  
>>>>> sometimes a little extra body for playing jazz or fusion (which I  
>>>>> try  
>>>>> to avoid with this guitar). Anyway, I do agree EMGs are sweet.

>>>>>>>>  
>>>>>>>> One thing I was not aware of until reading the diagram for this  
>>>>>>>> install (which was a bitch in a semi-hollow, BTW) is that they  
>>>>>>>> recommend adjusting their PUPs as close to the string as possible  
>>>>>>>> for  
>>>>>>>> maximum tone. They state that the mag field is so weak there is no  
>>>>>>>> danger of string pull.  
>>>>>>>>  
>>>>>>>> W. Mark Wilson wrote:  
>>>>>>>> Bill,  
>>>>>>>>  
>>>>>>>> EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few  
>>>>>>>> passives  
>>>>>>>> that I wish for and I do have them (the Bill Lawrence L500 being  
>>>>>>>> 3 of  
>>>>>>>> them). I've got a set of original SA's in a strat I built 22  
>>>>>>>> years  
>>>>>>>> ago. Rod Lincoln will probably remember seeing this guitar as I  
>>>>>>>> had  
>>>>>>>> just finished it when he and I did a little touring together. I  
>>>>>>>> haven't touched the guitar since the day I put it together.  
>>>>>>>> These  
>>>>>>>> SA's have seen action every day with rare exception for 22 years  
>>>>>>>> and  
>>>>>>>> they still blow me and everybody else away.  
>>>>>>>>  
>>>>>>>> W. Mark Wilson  
>>>>>>>>  
>>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>>> news:493fe8f0\$1@linux...  
>>>>>>>>> A few months ago I posted asking my friends to talk me out of  
>>>>>>>>> adding  
>>>>>>>>> a single coil pickup to my Ibanez Artist semi-hollow electric  
>>>>>>>>> (335-style). I withdrew from that path of no return and  
>>>>>>>>> installed  
>>>>>>>>> EMG 89s. They are a humbucker case with both a complete  
>>>>>>>>> humbucker  
>>>>>>>>> and a complete single coil inside, side by side.  
>>>>>>>>>  
>>>>>>>>> While I lost the predomoinance of gritty high mids that worked  
>>>>>>>>> for  
>>>>>>>>> some sounds, but were a problem with others (and which I can get  
>>>>>>>>> back easily with tone controls), I have gained a lot of new  
>>>>>>>>> sounds  
>>>>>>>>> which are hugely advantageous and make the guitar a true  
>>>>>>>>> Gigmaster.  
>>>>>>>>> I can use it for jazz, rock and spanking R&B and everything in  
>>>>>>>>> between.

>>>>>>>>>>  
>>>>>>>>>> It does not sound like a Strat, mind you; it doesn't have the je  
>>>>>>>>>> ne  
>>>>>>>>>> sais quoi - dare I call it "deadness" - of a real Strat but it  
>>>>>>>>>> does  
>>>>>>>>>> give sweet single coil sounds that fit really well in music on  
>>>>>>>>>> which  
>>>>>>>>>> I would normally use my strat. An interesting unexpected benefit  
>>>>>>>>>> is  
>>>>>>>>>> how I love the single coil neck position for straight ahead jazz  
>>>>>>>>>> tone.  
>>>>>>>>>>  
>>>>>>>>>> Check 'em out!  
>>>>  
>>  
>  
>

---

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [Bill L](#) on Tue, 23 Dec 2008 21:52:34 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thanks for data, Mark! I have plenty of room in my semi hollow for an extra battery. My strat might be tight, but that's what sledge hammers are for, right?

W. Mark Wilson wrote:

> I think EMG proly doesn't push the 2-batt thing because most guits aren't  
> gonna be prep'd for two or have room for two even if prep'd for one battery.  
> And they still work and sound good on 9V. Keep in mind and consider that  
> even at 9V supply, even a single coil S or SA will output 3v pk to pk. I  
> have mine setup to feed all 3 coils at once... voooom baby... lotsa meaty  
> whumpass and the voltage to prove it. That's relatively freakin amazing  
> consider how quiet they stay (single coils are notoriously noisy) even under  
> dimmers and in front of CRT's.  
>  
> Give a try Bill.... that 89 will kick ass on 9V and reak gorgeous havoc on  
> 18V. Please note however, you wanna be careful about plugging in your  
> guitar last when you cable's output end is already feeding something because  
> there will be a moment during guitar plugin that your receiving devide will  
> see that 18v and the device may not hold up too many times under that  
> transient.  
>  
> WMW  
>

> "Aaron Allen" <know-spam@not\_here.dude> wrote in message  
> news:494e5922\$1@linux...  
>> Quite typically power rails for op amps run 18 and 24 volt rails to  
>> operate. Most of the circuits I've built for myself in the past use +  
>> and - rails at a minimum of 9v each (IE, 18 volts) to have proper  
>> headroom. This is not a shock what Mark is saying, I'm just a little  
>> surprised that EMG is using standard parts/op amps in a space saving  
>> design. I gotta try this some time, but it totally makes sense to me. To  
>> give you guys an idea, in the 80's I used to tinker inside an old Peavey  
>> XR800 console using it as a test bed of sorts for learning and my earlier  
>> designs. 4558 dual op amps all over the place. Hartley Peavey used + and -  
>> rails on the design, at 15 volts each (IE, 30 volt total) to feed. You  
>> want optimally to feed an operational amplifier as much as it can take w/o  
>> overloading for max results in CMRR, noise, and dynamic capabilities. Most  
>> of them run +-12 or +-15vdc, or at least used to. I haven't designed in  
>> probably 10 years.  
>> For those of you really interested, you can add a resistance network to  
>> your 9v and up the voltage, but it'll blow through batteries a lot faster.  
>>  
>> AA  
>>  
>>  
>> "Kerry Galloway" <kg@kerrygalloway.com> wrote in message  
>> news:C572CBB8.C10B%kg@kerrygalloway.com...  
>>> Huh. That's Rick Turner's thing too - he runs his piezo systems at 18v  
>>> because he says transients can take the full 9v and then some. Seems this  
>>> confirms that.  
>>>  
>>> - K  
>>>  
>>> On 12/20/08 11:14 AM, in article 494d47d1\$1@linux, "Bill L"  
>>> <bill@billlorentzen.com> wrote:  
>>>  
>>>> It makes sense. The local Sam Ash tech who is pretty smart, suggested I  
>>>> be careful to keep the batteries up to 9 volts and use a meter to make  
>>>> sure of it. You mention below that you use a series parallel switch. Is  
>>>> that so you can use one battery if you need to? Could you 'splain me how  
>>>> that's wired?  
>>>>  
>>>> Damn, I love this N/G. We got some smart and talented folks here in  
>>>> Casablanca.  
>>>>  
>>>> W. Mark Wilson wrote:  
>>>>> This information came straight from Overlend Corp techs (who at that  
>>>>> time  
>>>>> was EMG).  
>>>>>  
>>>>> WMW

>>>>>  
>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>> news:494ae51f\$1@linux...  
>>>>> Interesting.  
>>>>>  
>>>>> W. Mark Wilson wrote:  
>>>>>> By thrash, I mean, dynamic range. On a 9V supply (the mininum op  
>>>>>> voltage) they tend to output a narrower dynamic range (eg,  
>>>>>> compressoion).  
>>>>>> On 18V, the range opens.  
>>>>>>  
>>>>>> WMW  
>>>>>>  
>>>>>>  
>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>> news:4948f883\$1@linux...  
>>>>>>> What do you mean "thrash"? Is that more clean gain? I do like the  
>>>>>>> idea  
>>>>>>> of the 3 individual switches.  
>>>>>>>  
>>>>>>> Actually I am running into a small problem with the 89s that they  
>>>>>>> overdrive the compressor in the Tonelab. Even at the lowest setting,  
>>>>>>> there is too much click on the attack. I'm finding I get the best  
>>>>>>> tone  
>>>>>>> with the volume knobs down to 3 or 4, which bugs me because all my  
>>>>>>> life  
>>>>>>> I have just put vols at 10. I guess I can learn some new tricks if I  
>>>>>>> have to.  
>>>>>>>  
>>>>>>> W. Mark Wilson wrote:  
>>>>>>>> I have that same pot on mine Bill... "RPC" as I recall (soooooo  
>>>>>>>> long  
>>>>>>>> ago now) and it does throw a rise on output that really drives any  
>>>>>>>> amp  
>>>>>>>> nicely, clean or dirty. Here's a tip on those SA's.... run them  
>>>>>>>> on  
>>>>>>>> 9V and they remain kinda compressed sounding. Put them on 18V and  
>>>>>>>> they  
>>>>>>>> thrash nicely. I simply cut my strat for 2 9V batts and added a  
>>>>>>>> series/parallel switch for 9V/18V. I also elected to have an on  
>>>>>>>> off  
>>>>>>>> for every pickup output as opposed to a 5-way switch. It gives me  
>>>>>>>> three extra positions: all on / all off / 1 & 3 only. The 1 and 3  
>>>>>>>> only position with the RPC up full makes for some great pedal steel  
>>>>>>>> tones if you can vol-pedal and whammy emulate pedal steel vibrato.  
>>>>>>>>  
>>>>>>>> Mark  
>>>>>>>>



>>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>>> news:4943f487\$1@linux...  
>>>>>>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar  
>>>>>>>> tech  
>>>>>>>> calls it my "pointy guitar" 'cause of that 80's headstock), and I  
>>>>>>>> still love 'em. On the strat I installed a mid boost circuit  
>>>>>>>> replacing  
>>>>>>>> the 3rd pot (I found a tone control on the bridge pickup  
>>>>>>>> oxymoronic  
>>>>>>>> anyway). This circuit gives a little more balls for crunch and  
>>>>>>>> sometimes a little extra body for playing jazz or fusion (which I  
>>>>>>>> try  
>>>>>>>> to avoid with this guitar). Anyway, I do agree EMGs are sweet.  
>>>>>>>>  
>>>>>>>> One thing I was not aware of until reading the diagram for this  
>>>>>>>> install (which was a bitch in a semi-hollow, BTW) is that they  
>>>>>>>> recommend adjusting their PUPs as close to the string as possible  
>>>>>>>> for  
>>>>>>>> maximum tone. They state that the mag field is so weak there is no  
>>>>>>>> danger of string pull.  
>>>>>>>>  
>>>>>>>> W. Mark Wilson wrote:  
>>>>>>>> Bill,  
>>>>>>>>  
>>>>>>>> EYE----LLLLLLOOOOOVVVVVVEEEEEEE EMG's. There are only a few  
>>>>>>>> passives  
>>>>>>>> that I wish for and I do have them (the Bill Lawrence L500 being  
>>>>>>>> 3 of  
>>>>>>>> them). I've got a set of original SA's in a strat I built 22  
>>>>>>>> years  
>>>>>>>> ago. Rod Lincoln will probably remember seeing this guitar as I  
>>>>>>>> had  
>>>>>>>> just finished it when he and I did a little touring together. I  
>>>>>>>> haven't touched the guitar since the day I put it together.  
>>>>>>>> These  
>>>>>>>> SA's have seen action every day with rare exception for 22 years  
>>>>>>>> and  
>>>>>>>> they still blow me and everybody else away.  
>>>>>>>>  
>>>>>>>> W. Mark Wilson  
>>>>>>>>  
>>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>>> news:493fe8f0\$1@linux...  
>>>>>>>>> A few months ago I posted asking my friends to talk me out of  
>>>>>>>>> adding  
>>>>>>>>> a single coil pickup to my Ibanez Artist semi-hollow electric  
>>>>>>>>> (335-style). I withdrew from that path of no return and  
>>>>>>>>> installed

>>>>>>>>>> EMG 89s. They are a humbucker case with both a complete  
>>>>>>>>>> humbucker  
>>>>>>>>>> and a complete single coil inside, side by side.  
>>>>>>>>>>  
>>>>>>>>>> While I lost the predomoinance of gritty high mids that worked  
>>>>>>>>>> for  
>>>>>>>>>> some sounds, but were a problem with others (and which I can get  
>>>>>>>>>> back easily with tone controls), I have gained a lot of new  
>>>>>>>>>> sounds  
>>>>>>>>>> which are hugely advantageous and make the guitar a true  
>>>>>>>>>> Gigmaster.  
>>>>>>>>>> I can use it for jazz, rock and spanking R&B and everything in  
>>>>>>>>>> between.  
>>>>>>>>>>  
>>>>>>>>>> It does not sound like a Strat, mind you; it doesn't have the je  
>>>>>>>>>> ne  
>>>>>>>>>> sais quoi - dare I call it "deadness" - of a real Strat but it  
>>>>>>>>>> does  
>>>>>>>>>> give sweet single coil sounds that fit really well in music on  
>>>>>>>>>> which  
>>>>>>>>>> I would normally use my strat. An interesting unexpected benefit  
>>>>>>>>>> is  
>>>>>>>>>> how I love the single coil neck position for straight ahead jazz  
>>>>>>>>>> tone.  
>>>>>>>>>>  
>>>>>>>>>> Check 'em out!  
>>  
>  
>

---

Subject: Re: OT - EMG 89 pickup report  
Posted by [Aaron Allen](#) on Wed, 24 Dec 2008 00:03:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Nah, skip the hammer. Stack these in a small tube (@ 3v each, that's 6 of them) until you get the 18v. spring load tube, connect to 9V socket, voila'. Someone probably already makes a socket/tube for them out there....

<http://www.atbatt.com/product/19926.asp>

AA

"Bill L" <[bill@billlorentzen.com](mailto:bill@billlorentzen.com)> wrote in message [news:4951614a\\$1@linux...](news:4951614a$1@linux...)  
> Thanks for data, Mark! I have plenty of room in my semi hollow for an  
> extra battery. My strat might be tight, but that's what sledge hammers are

> for, right?

>

>

>

> W. Mark Wilson wrote:

>> I think EMG prolly doesn't push the 2-batt thing because most guits  
>> aren't gonna be prep'd for two or have room for two even if prep'd for  
>> one battery. And they still work and sound good on 9V. Keep in mind and  
>> consider that even at 9V supply, even a single coil S or SA will output  
>> 3v pk to pk. I have mine setup to feed all 3 coils at once... voooom  
>> baby... lotsa meaty whumpass and the voltage to prove it. That's  
>> relatively freakin amazing consider how quiet they stay (single coils are  
>> notoriously noisy) even under dimmers and in front of CRT's.

>>

>> Give a try Bill.... that 89 will kick ass on 9V and reak gorgeous havoc  
>> on 18V. Please note however, you wanna be careful about plugging in your  
>> guitar last when you cable's output end is already feeding something  
>> because there will be a moment during guitar plugin that your receiving  
>> devide will see that 18v and the device may not hold up too many times  
>> under that transient.

>>

>> WMW

>>

>> "Aaron Allen" <know-spam@not\_here.dude> wrote in message  
>> news:494e5922\$1@linux...

>>> Quite typically power rails for op amps run 18 and 24 volt rails to  
>>> operate. Most of the circuits I've built for myself in the past use +  
>>> and - rails at a minimum of 9v each (IE, 18 volts) to have proper  
>>> headroom. This is not a shock what Mark is saying, I'm just a little  
>>> surprised that EMG is using standard parts/op amps in a space saving  
>>> design. I gotta try this some time, but it totally makes sense to me. To  
>>> give you guys an idea, in the 80's I used to tinker inside an old Peavey  
>>> XR800 console using it as a test bed of sorts for learning and my  
>>> earlier designs. 4558 dual op amps all over the place. Hartley Peavey  
>>> used + and - rails on the design, at 15 volts each (IE, 30 volt total)  
>>> to feed. You want optimally to feed an operational amplifier as much as  
>>> it can take w/o overloading for max results in CMRR, noise, and dynamic  
>>> capabilities. Most of them run +-12 or +-15vdc, or at least used to. I  
>>> haven't designed in probably 10 years.

>>> For those of you really interested, you can add a resistance network to  
>>> your 9v and up the voltage, but it'll blow through batteries a lot  
>>> faster.

>>>

>>> AA

>>>

>>>

>>> "Kerry Galloway" <kg@kerrygalloway.com> wrote in message  
>>> news:C572CBB8.C10B%kg@kerrygalloway.com...

>>>> Huh. That's Rick Turner's thing too - he runs his piezo systems at 18v  
>>>> because he says transients can take the full 9v and then some. Seems  
>>>> this  
>>>> confirms that.  
>>>>  
>>>> - K  
>>>>  
>>>> On 12/20/08 11:14 AM, in article 494d47d1\$1@linux, "Bill L"  
>>>> <bill@billlorentzen.com> wrote:  
>>>>  
>>>>> It makes sense. The local Sam Ash tech who is pretty smart, suggested  
>>>>> I  
>>>>> be careful to keep the batteries up to 9 volts and use a meter to make  
>>>>> sure of it. You mention below that you use a series parallel switch.  
>>>>> Is  
>>>>> that so you can use one battery if you need to? Could you 'splain me  
>>>>> how  
>>>>> that's wired?  
>>>>>  
>>>>> Damn, I love this N/G. We got some smart and talented folks here in  
>>>>> Casablanca.  
>>>>>  
>>>>> W. Mark Wilson wrote:  
>>>>>> This information came straight from Overlend Corp techs (who at that  
>>>>>> time  
>>>>>> was EMG).  
>>>>>>  
>>>>>> WMW  
>>>>>>  
>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>> news:494ae51f\$1@linux...  
>>>>>>> Interesting.  
>>>>>>>  
>>>>>>> W. Mark Wilson wrote:  
>>>>>>>> By thrash, I mean, dynamic range. On a 9V supply (the minimum op  
>>>>>>>> voltage) they tend to output a narrower dynamic range (eg,  
>>>>>>>> compressoion).  
>>>>>>>> On 18V, the range opens.  
>>>>>>>>  
>>>>>>>> WMW  
>>>>>>>>  
>>>>>>>>  
>>>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>>>> news:4948f883\$1@linux...  
>>>>>>>>>> What do you mean "thrash"? Is that more clean gain? I do like the  
>>>>>>>>>> idea  
>>>>>>>>>>> of the 3 individual switches.  
>>>>>>>>>>>

>>>>>>>> Actually I am running into a small problem with the 89s that they  
>>>>>>>> overdrive the compressor in the Tonelab. Even at the lowest  
>>>>>>>> setting,  
>>>>>>>> there is too much click on the attack. I'm finding I get the best  
>>>>>>>> tone  
>>>>>>>> with the volume knobs down to 3 or 4, which bugs me because all my  
>>>>>>>> life  
>>>>>>>> I have just put vols at 10. I guess I can learn some new tricks if  
>>>>>>>> I  
>>>>>>>> have to.  
>>>>>>>>  
>>>>>>>> W. Mark Wilson wrote:  
>>>>>>>> I have that same pot on mine Bill... "RPC" as I recall (sooooo  
>>>>>>>> long  
>>>>>>>> ago now) and it does throw a rise on output that really drives  
>>>>>>>> any amp  
>>>>>>>> nicely, clean or dirty. Here's a tip on those SA's.... run  
>>>>>>>> them on  
>>>>>>>> 9V and they remain kinda compressed sounding. Put them on 18V  
>>>>>>>> and they  
>>>>>>>> thrash nicely. I simply cut my strat for 2 9V batts and added a  
>>>>>>>> series/parallel switch for 9V/18V. I also elected to have an on  
>>>>>>>> off  
>>>>>>>> for every pickup output as opposed to a 5-way switch. It gives  
>>>>>>>> me  
>>>>>>>> three extra positions: all on / all off / 1 & 3 only. The 1 and  
>>>>>>>> 3  
>>>>>>>> only position with the RPC up full makes for some great pedal  
>>>>>>>> steel  
>>>>>>>> tones if you can vol-pedal and whammy emulate pedal steel  
>>>>>>>> vibrato.  
>>>>>>>>  
>>>>>>>> Mark  
>>>>>>>>  
>>>>>>>> "Bill L" <bill@billlorentzen.com> wrote in message  
>>>>>>>> news:4943f487\$1@linux...  
>>>>>>>>> Mark, I've got SAs in my custom mid-80's "strat" too (my guitar  
>>>>>>>>> tech  
>>>>>>>>> calls it my "pointy guitar" 'cause of that 80's headstock), and  
>>>>>>>>> I  
>>>>>>>>> still love 'em. On the strat I installed a mid boost circuit  
>>>>>>>>> replacing  
>>>>>>>>> the 3rd pot (I found a tone control on the bridge pickup  
>>>>>>>>> oxymoronic  
>>>>>>>>> anyway). This circuit gives a little more balls for crunch and  
>>>>>>>>> sometimes a little extra body for playing jazz or fusion (which  
>>>>>>>>> I try  
>>>>>>>>> to avoid with this guitar). Anyway, I do agree EMGs are sweet.



