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From: Mark Abbott (abbottmark@hotmail.com)**Date:** 3/24/2002 9:24 AM**Subject:** Favourite Fender Blackface mods?

I am curious about the various Blackface amp mods out there that work.

What is the general recommendations?

Thanks for your assistance.

Yours Sincerely

Mark Abbott.

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From: Soundguy**Date:** 3/27/2002 7:52 AM**Subject:** Re: Favourite Fender Blackface mods?

Here is one Mark. This one comes from Dave funk. I Never let this one out of the bag for years so enjoy.

Start with the first input tube of the reverb channel.

Step I

Pin 2 Input from jack (standard 68k,1m)

Pin 3 1.5k,25uf

Pin 6,1,7 Here is the kicker!!!!!! 100k across the tube like a standard marshall cathode follower.

The B+ in at pin 6, From pin 6, 100k to pin 1, then jumper to pin 7.

Pin 8 100k to ground and insert the tone network.

(All the wiring on the tone controls remain stock, do not change,just replace into the cathode follower circuit.)

Step II

The tube I am talking about is reverb send that has all the pins jumpered.1&6 2&7 3&8 That baby

Cut the jumpers to pin 1,2,3 of the tube to free up a stage and leave pins 6,7,8, alone for the reverb.

Pin 2 comes from wiper 2 of the volume pot.

Pin 1 add a 100k plate load resistor.

Pin 3 820ohm,25uf

You are done. This mod Take 10 minutes to do and the results are amazing. I like is mod on twins and supers. This mod really is pure in tone because of two reasons 1. a Low impedance,wide frequency range front end.

Come on other techs give those mods up !!!!!!!

Your # 1 can't keep a secret Nickname Mod Wrecker

SoundGuy

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From: Mark Abbott (abbottmark@hotmail.com)
Date: 3/27/2002 10:36 AM
Subject: Re: Thanks SoundGuy

Again thanks for the mod.

This mod may also be possible using a FET as described by R.G. Keen at:

<http://www.geofex.com>

"uses for mosfet in tube amps"

This is more than I was expecting, I thought I would get advice regarding cathode bypass caps, and coupling caps.

I'll give it a go on the weekend and post results.

Yours Sincerely

Mark Abbott.

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From: Mark Abbott (abbottmark@hotmail.com)
Date: 4/3/2002 12:42 PM
Subject: Re: PI cap mod?

Has anyone tried the mod where you put a 250pF cap in parallel with the 0.001 to 0.022uF cap coupling into the P.I. stage?

What is the difference in tone?

Yours Sincerely

Mark Abbott.

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From: Mike Conner (rmconner80@hotmail.com)
Date: 4/4/2002 12:59 PM
Subject: Re: PI cap mod?

Hey Mark,

Do you know what this might accomplish tonewise?

Mike

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From: SoundGuy
Date: 4/3/2002 3:16 PM
Subject: Re: correction Sorry

Sorry for the mistake. I was writing tthe mod off the top of my head. The output of the cathode follower go's to the input of the volume,tone network which would be the bright switch. The output comes off the middle leg of the treble control into the extra stage freed up from half the reverb tube. Sorry guys Respond if you have tried the mod just to get some opinions

SoundGuy

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From:	Steve A. (steve_ahola@yahoo.com)		
Date:	4/5/2002 4:53 AM		
Subject:	Re: correction Sorry		

SoundGuy:

Respond if you have tried the mod just to get some opinions

The Mesa Boogie Maverick uses a switch on the rhythm channel to drive the tone stack from the anode of the first stage or the cathode of the second stage (they are a dc-coupled pair). I wonder if R Smith borrowed that trick from D Funk???

So the reverb works just fine with only half of the 12AT7 driving it? 2k2 on the cathode is okay? And the Vib channel sounds okay going through the 12AT7 after the volume control? I'm not crazy about 12AT7's for audio circuits... is there a way to use one stage of a 12AX7 to drive the RT?

So what is the end result... a thicker sound?

Sounds like fun... Thanks for posting it!

Steve Ahola

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From:	SoundGuy		
Date:	4/6/2002 10:26 AM		
Subject:	Re: The Tone		

This is the closest thing I have come across to what You could call a SRV Mod. Big, Round and Funky is the best way to describe it. What makes this mod different is a real nice full clean sustain without crunching up like a modern high gain amp. It just sounds like a bad ass vintage amp x10. Some other things to mention.

1. The character of the guitar and pickups stand out and combine with the amp. Very pure sounding.
2. The amount of breakup with this mod comes more from the output of your pickups than turning the amp up.
3. Using an overdrive with the amp works in my opinion the way it should. Very transparent and really adds without having any negative results. It's seem to be "IN STEP" with the gain structure also. A perfect balance that is hard to achive.
4. Tone controls work Better.

The Difference with this mod is

The amp input is straight into a cathode follower, then right into the tone controls. A very wide frequency response and low impedance driving the front end of the amp.

Hope that helps

SoundGuy

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From:	SoundGuy
Date:	4/6/2002 10:37 AM
Subject:	Re: One other Notice

This mod must be in a fender reverb amp or the you could experience your signal going into cut off in your preamp. Not that anything is funky or out of wack with the mod. The reverb circuit has a loading effect in the circuit and without it will change things.

SoundGUY

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From:	Mark Abbott (abbottmark@hotmail.com)
Date:	4/7/2002 12:52 AM
Subject:	Re: Again thank you.

Dear SoundGuy

thanks for your assistance.

Yours Sincerely

Mark Abbott.

P.S. I'll have to do a posting about all the mods I've been able to find out about.

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From:	Mark Abbott (abbottmark@hotmail.com)
Date:	4/7/2002 12:58 PM
Subject:	Re: One other Notice

Dear SoundGuy

Could you please give me another description of this mod.
Perhaps I'm a bit slow today, but after reading all posts, I'm a little confused as to the order of it all.

Much thanks for the post.

Yours Sincerely

Mark Abbott.

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From: Mikko
Date: 4/8/2002 8:48 PM
Subject: Re: One other Notice

So is it bullshit or not?

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From: SoundGuy (ckemp@aol.com)
Date: 4/9/2002 12:49 AM
Subject: Re: No Bs

This mod came from one of my customers who send his Fender Super off to nashville and had it modded by Dave Funk. I have kept this mod to myself for several years because I seriously felt first of all the mod sounded too good just to let everyone have it. Second Dave Funk was still in the amp Business and out of respect I wasnt gonna give away his work. Since then Dave does not in the amp business anymore and it has become lost knowledge.

One last time for all you guy's who think I am Full of BS. Having a closed mind and not investigating really limits what can be learned.

The Mod

Start With V2 on a Fender Reverb Amp.

Disconnect The wire on pin 8 V2 that runs to pin 8 V1. Give V1 pin 8 it's own 1.5k/25uf.

Make V2 a Cathode Follower with a 100k across the socket. B+ in on pin 6.

Add a 100k to ground on pin 8 of V2 and the tone caps should be 250pf Silver Mica, 100k, .022, .002. This connect to 100k resistor you ran to ground off of pin 8 V2.

V3 which is a 12AT7, remove jumpers off of pin 1,2,3.

V3 pin 3 make 820ohm/25uf

V3 pin 1 add 100k plate load resistor and connect the .02 that go's to the 500pf reverb input cap control

Place a 100pf SM on your bright switch. Place the cap on the legs of the switch, Not one leg of the cap to the switch and one to the volume pot.

Leg one of the volume control runs to the bottom of the bright switch.

The top of the bright switch connects to pin 2 of the volume control and also runs to pin 2 V3.

If you bright switch is wired wrong it will act more like a volume boost than a bright switch.

do theses Details spound like Bs

Take Care

SoundGuy

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From:	Steve A. (steve_ahola@yahoo.com)
Date:	4/9/2002 2:07 AM
Subject:	No BS

SoundGuy:

Do these Details sound like BS?

It sounds like a great mod to me... any objections if I draw it up on a Fender layout so that it is easier to see? Something like the "Cool Mod for the Normal Channel":

<http://www.blueguitar.org/coolnorm.pdf>

--Thanks!

Steve Ahola

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From:	Steve A. (steve_ahola@yahoo.com)		
Date:	4/9/2002 2:14 AM		
Subject:	Maybe the 3M3/10pF reverb splitter helps?		

SoundGUY:

This mod must be in a fender reverb amp or you could experience your signal going into cut off in your preamp.

Sounds like the voice of experience speaking! I guess the 3M3/10pF reverb splitter would keep the grid voltages at a reasonable level... someone might try something like that even if they don't actually have reverb in their amp (like on a Bassman head).

--Thanks!

Steve Ahola
