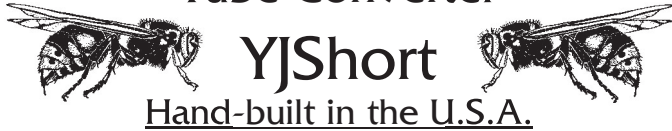




# Yellow Jacket™

Tube Converter



**YJShort**

Hand-built in the U.S.A.

## INSTRUCTION SHEET

- Contains one Yellow Jacket converter model **YJShort**.
- Converts most amplifiers with 6L6s, EL34s, 6550s or 6V6s to EL84s without modification or re-biasing.
- **Converts from Class AB to Class A operation!**
- Drops output power by 50% to 70%.
- Safe for all common amplifiers and transformers.
- Short enough to fit in most Backface Fender heads.
- One Year Limited Warranty on converters.
- “The next best thing to getting yourself a new amp.”  
- Guitar World Magazine
- “Increase amplifier flexibility”  
- Guitar Player Magazine

### Thank You!

Thank you for buying our Yellow Jacket converter! It will provide you with years of service, assuming that you replace the tubes when they are worn, and will also give you a much greater variety of sounds from your amplifiers than you have ever experienced before.

### How to Install the Yellow Jacket:

1. With your amplifier cold and turned off, remove the 6V6, 6L6, EL34 or 6550 tube from its socket. (Use a towel to protect your hands if the tubes are hot.)
2. Place the Yellow Jacket converter in the tube socket and install an EL84 tube into the Yellow Jacket. Make sure that all pins are properly aligned and do not force anything. It should all go smoothly if the tube pins are properly aligned.
3. Turn the amp on, let it warm up, and play. Your amp is now running in Class A mode with an EL84 output tube.

You do not have to adjust the bias of your amplifier as the Yellow Jackets create their own cathode bias circuit, ignoring the bias setting in your amp. This also means that when you put your old tubes back into the amplifier, your bias will be set just as you left it.

### Other Thoughts Regarding Yellow Jackets:

This model of the Yellow Jacket converter, the YJShort, is a specialized, current-limiting/voltage-conditioning adapter for use in most 20 watt to 100 watt amplifiers which use 6L6, EL34, 6550 or 6V6 output tubes. This includes Marshall 50 and 100 watt tube amps, Fender Super Reverb, Deluxe Reverb, Pro Reverb, Twin Reverb, Bassman, Showman, Tweed Pro (5E5-A), Hot Rod Deluxe, Hi-Watt 50 and 100 watt amps, Sound City 50 and 100 Watt Amps, all Rivera amps, Jim Kelley, Soldano SLO and Hot Rod Series amps, Mesa/Boogie 50 and 100 watt amps, Bogner, VHT, etc.....

Yellow Jackets are NOT to be used in amplifiers with extremely high plate voltages such as Marshall Majors, Ampeg SVTs, Hi-Watt 200s and Orange 120s. These amplifiers have too high a plate voltage and will damage the EL84s and possibly the Yellow Jackets themselves. While the Yellow Jacket reduces the plate and screen voltages each by 100 volts, this would still make the plate voltage too high in certain amplifiers. If you are not sure if this set of Yellow Jackets will work in your amp, please feel free to contact us at the factory either by phone or by E-mail. We will be happy to advise you on your individual situation.

Amplifiers which vary the bias voltage to create a tremolo effect will not have any tremolo effect when using Yellow Jackets. This includes the Fender Vibro-Champ, Brown Deluxe Amp (6G3), Princeton, Tremolux (5G9, 6G9), and Vibrolux (5F11, 6G11) to name a few.

Cathode-bias amplifiers such as Fender Tweed Deluxe, Champ, Vibro-Champ, Tweed Princeton, Tweed Pro (5C5, 5D5, 5E5), Tweed Super (5C4, 5D4), Tweed Tremolux (5E9), Tweed Twin (5C8, 5D8) etc... require a custom version of the Yellow Jacket (YJC) with a ground wire to attach to the chassis. This adaptor can be traded free of charge for a YJC by contacting the factory direct at the phone number or E-mail address on this card.

If your amp uses 6V6 output tubes and you do not want a reduction in power, you need the YJ20 Yellow Jacket. If your amp uses 7591 tubes, you should use the YJ7591 Yellow Jacket. The correct unit can be obtained from the factory or from your local dealer, or this unit can be exchanged for the one you need. Please contact the factory.

Thank you once again for buying our products. Without customers like you, we would have nothing to do all day.

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