

Designed by 

## Yellow Jackets<sup>®</sup> Tube Converter



Includes EL84 Power Tubes  
Handmade in the U.S.A.

## Yellow Jackets<sup>®</sup>

- Converts pin configuration from 9-pin to 8-pin to allow certain 6V6, 6K6 and similar low-voltage circuits to use EL84 tubes.
- Reduces output power to 2 watts (in UniValve)
- UniValve/BiValve-30 must be set to "LoV" setting
- Perfect for THD UniValve, BiValve-30 and Flexi-50
- Safe for all common amplifiers and transformers.
- One year limited warranty on converter.
- Great for adapting tube-testers to test EL84 tubes.
- "The next best thing to getting yourself a new amp."  
- Guitar World Magazine

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### Thank You!

Thank you for buying our new Yellow Jacket<sup>®</sup> YJUni-Triode converter! This new **Triode** version gives further power reduction and smoother, sweeter output distortion than the regular model. 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 Yellow Jackets<sup>®</sup>:

1. With your amplifier cold and turned off, remove the 6V6 tube from its socket. (Use a towel to protect your hands if the tubes are hot.)
2. Place the Yellow Jackets<sup>®</sup> converter in the tube socket, and install the provided EL84 tube into the Yellow Jackets<sup>®</sup> converter. 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. Check that the UniValve's (or BiValve-30's) voltage switch is set to "LoV"
4. Turn the amp on, let it warm up, and play. Your amp is now running in Class A **Triode** mode with an EL84 output tube.

Please allow time for the Yellow Jackets<sup>®</sup> to cool before removing them from your amp. Handle Yellow Jackets<sup>®</sup> only by brown tube base.

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If your amplifier is cathode-biased and designed for 6V6 family tubes (6F6, 6K6, etc), then there should be no change or adjustment required. If the amplifier is grid-biased, like a THD Flexi-50, then the bias should be adjusted just as it would be according to the standard biasing instructions included with the amplifier.

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**Other Thoughts Regarding Yellow Jackets®:**

This model of Yellow Jackets® converter, the YJUni Triode, is a simple pin-converting adaptor for use in the THD UniValve, BiValve-30 and Flexi-50 amplifiers as well as Fender® Champ amps and a few other small, low-voltage cathode-biased amps like the Emery Sound Superbaby and Microbaby.

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Remember, when using this adaptor in UniValve and BiValve-30 amps, the Voltage switch needs to be in the "LoV" setting, otherwise you risk damaging the EL84 tube with excessive plate voltage. In the Flexi-50 amp, the voltage switch needs to be set to the "20W" setting, and the bias needs to be set to 0.017 volts DC.

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The YJUni converter is also handy for testing EL84 tubes in tube testers that do not have a 9-pin socket. The test characteristics are very similar to 6V6 tubes and if your tester does not have instructions for testing EL84 tubes, a reasonably close approximation can be had by testing using 6V6 parameters.

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- All the folks at CE Manufacturing, LLC

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