Penntex Regulator Test

Penntex charging systems use an external voltage regulator that is usually mounted inside the vehicle. **VERY IMPORTANT: Testing the charging system must be done at the voltage regulator with the regulator plugged in.** The wires are color-coded and correspond as follows: Blue: Field/Rotor Voltage, Orange: Stator Voltage, Red: Battery Voltage, Brown: Ignition Voltage. **Voltage readings taken at the alternator connectors may be different and do not apply in this test.**

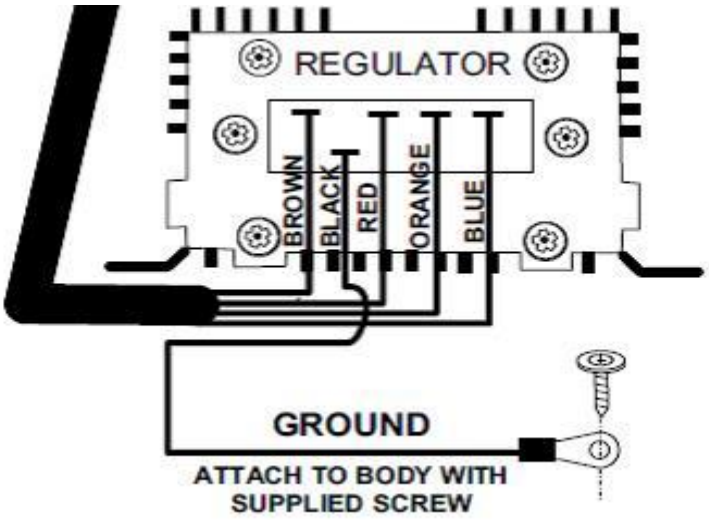
The test is to take place three times:
First: Ignition Off (key off)
Second: Ignition On (key on, engine not running)
Third: Engine On (key on, engine running 1000 RPM+)

The voltages listed in the chart below should be the readings you would expect to read at each point. Record your results in the table below and then call or fax us at the numbers below to have your readings reviewed.

First Test: Key Off	Second Test: Key On / Engine Off	Third Test: Engine Running
Blue: 0	Blue: 12.1 Volts	Blue: 5 Volts
Orange: 0	Orange: 0	Orange: 6 – 7 Volts
Red: 12.8 Volts	Red: 12.6 Volts	Red: 14.2 Volts
Brown: 0	Brown: 2 – 12 Volts	Brown: 13 – 14 Volts

The voltages shown above are normal readings with a fully charged battery.

Quality Power
31510 Yucaipa Blvd.
Yucaipa, CA 92399
(909) 794-1600
(909) 794-3838 (Fax)



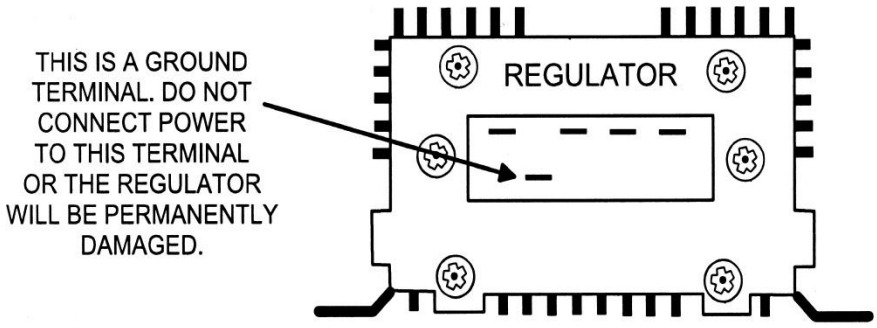
Penntex Alternator Full Field Test

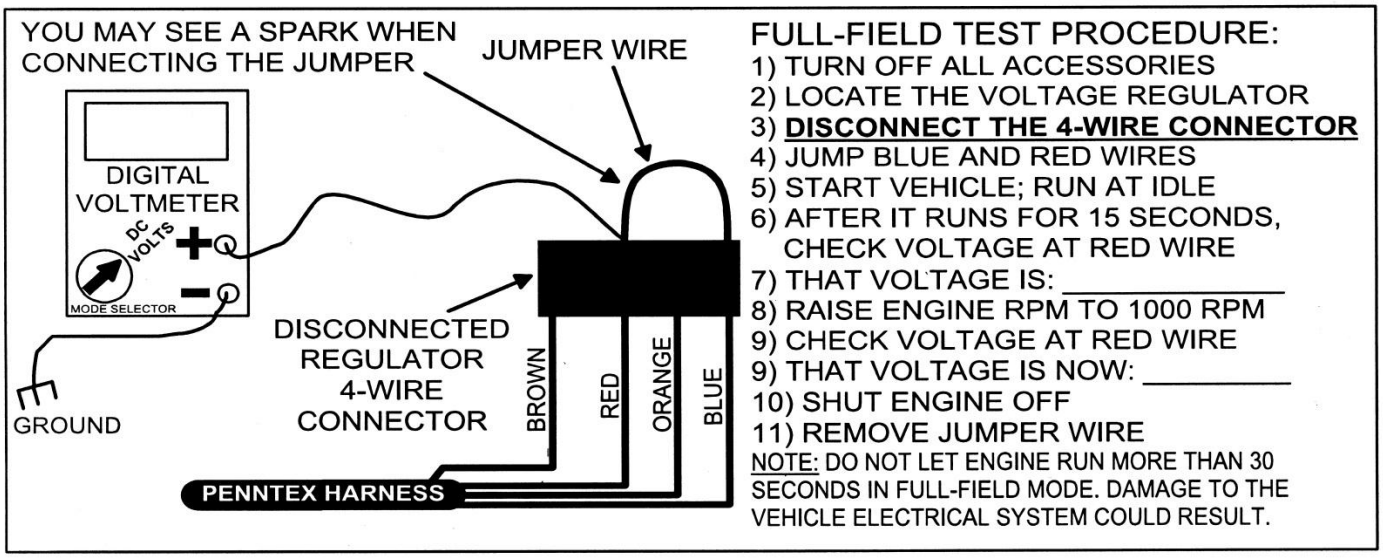
For PX-4000, PX-5000, and PX-6000 Regulators

A full-field test will determine if an alternator will charge with the regulator bypassed. The alternator must be installed and positive and negative cables connected.



A PX-7000 REGULATOR USES A DIFFERENT TEST





Your contact phone # _____ Contact name _____

After completing this test, fax the results to (909) 794-3838 or call us direct at the number below to discuss the results.

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