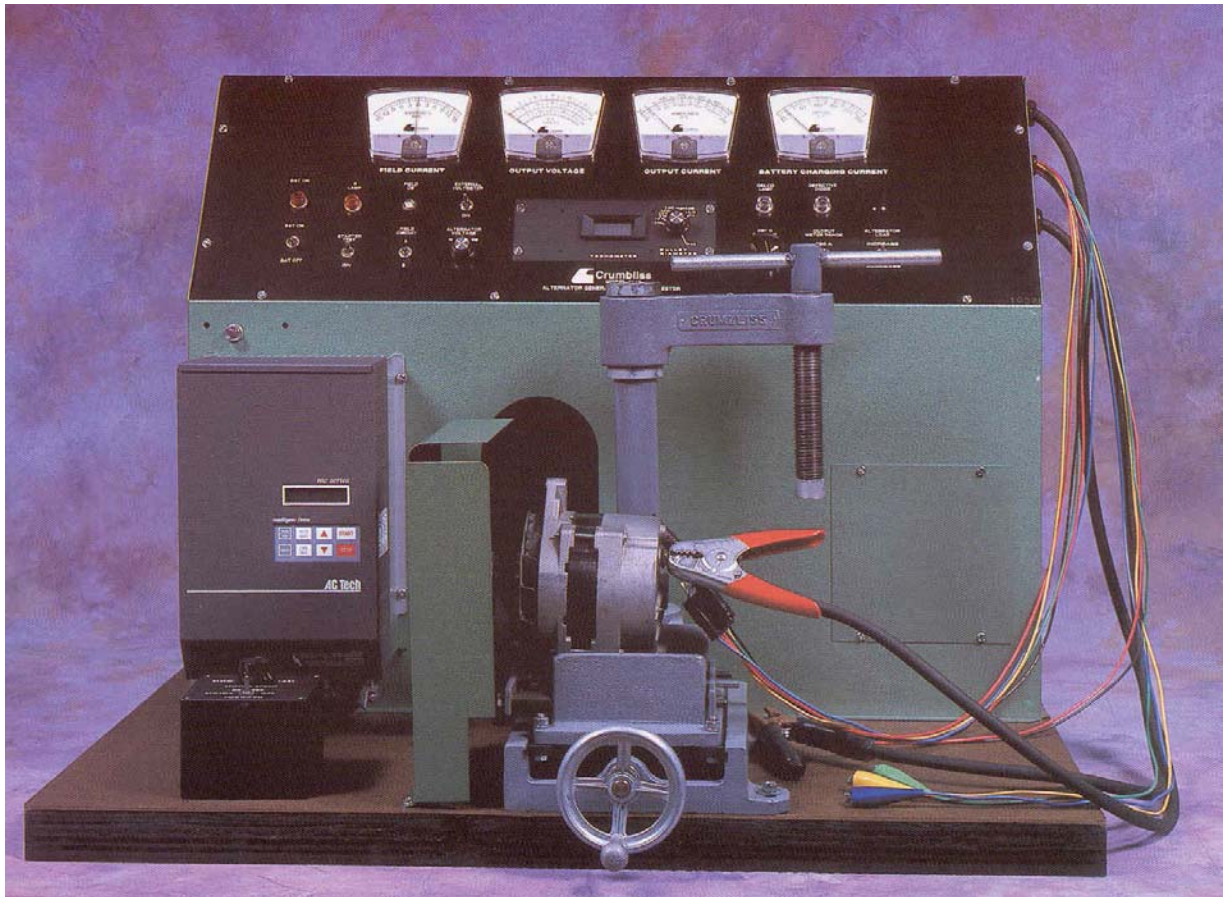


2107

ALTERNATOR
GENERATOR
STARTER TESTER



DYNAMIC TEST SIMULATES ACTUAL OPERATING CONDITIONS

**7 1/2HP Motor
Single or 3 Phase 230 Volt
Electronic Variable Speed Control (Inverter)**

The rebuilders alternator tester. Heavy duty in every aspect from its unique full loading capabilities to its heavy duty variable speed operation. Test all type alternators 12/24/32 volt, negative or positive ground, passenger types to heavy duty diesels including the late type alternators. Free spin starters both domestic and foreign.



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Features

The Ultimate 7 1/2 HP Alternator Tester

- Electronic variable speed control (inverter) with speed range controlled by potentiometer.
- Speed range from approximately 800 to 7,000 R.P.M. to make tests at OEM recommended output speeds and low R.P.M. cut-in speeds.
- Heavy-duty watt saver motor designed for electronic variable speed inverters that ensure energy efficiency and Quiet operation.
- Off/forward/reverse motor switch.
- Crumbliss exclusive "ELECTRONIC VARIABLE LOAD CONTROL" provides a uniform increase in load current while safely dissipating output current through a bank of heavy duty wire wound resistors which are fan cooled. This feature eliminates the burnout problem associated with the old-fashioned carbon pile load.
- Diode ripple lamp shows if main diodes are shorted or open.
- Diode trio lamp simulates dash light operation on Delco IOSI and similar integral alternators including the late model alternators.
- Oscilloscope plug connectors.
- Alternator harness for easy hook-up of foreign and domestic alternator test leads.
- Serpentine/V belt combination pulley.
- Heavy duty D.C. power contactors.
- Heavy-duty held rheostat.
- ON/OFF mains lamp.
- Heavy-duty hook-up leads and clamps.
- Modular design for easy servicing.
- Four 4 1/2 " pivot and jewel analog meters.
- Voltmeter 0-18/36/54 yell scale shows alternator output voltage/Integral voltage regulator controlling voltage.
- Ammeter 0-250/500 scale shows output amperage.
- Ammeter 0-250 scale shows battery charging amperage, i.e. amount of current going into battery and not into load.
- Ammeter 15-0-15 scale shows rotor draw where applicable.
- Digital tachometer shows alternator R.P.M. adjustable to compensate for pulley size.
- A/B circuit switch.
- 12/24/32 voltmeter range switch.
- Voltmeter external switch for testing stator voltage at STA' and 'R' relay terminal.
- Alternator output leads are dead until motor is turned on, or until battery ON switch is switched to ON position.
- Battery ON switch for constant battery voltage, it needed.
- Fully copper wound class B insulated transformers coated to resist moisture penetration.
- Field circuit and heavy duty transformers protected by circuit breakers.
- Sturdy heavy-duty cast iron mounting vise with alternator bracket for Quick mounting and removal of alternators.
- 1 1/4" hold down screw securely holds down heavy-duty alternators, generators and starters.
- Hinged belt guard.
- Free running 12/24/32 volt no load starter test.
- IGN "R" lamp to indicate proper 'R' terminal operation on Delco starters.

#2107-A Same as the #2107 model, but features air operating vise with two heavy duty air cylinders, one to hold unit being tested and one to tighten the alternator/generator belt.

#2107 Specifications:

Watts output: 12 volts, 300 amps, 3600 watts
24 volts, 150 amps, 3600 watts
32 volts, 100 amps, 3200 watts

Shipping weight: 3 HP - 750 lbs.
1 HP - 900 lbs.

Measures: 39" x 48" x 30"

Optional Equipment for #2107 & 2107-A

- 440 volt and 575 volt models available.
- #310-A oscilloscope. 3" screen.
- #3000 A to Z test leads for foreign & domestic alternators.
- #3000 alternator test lead holder.
- Application and identification catalog for foreign & domestic alternators.