



T H E S P E C I A L I S T S I N L A N D R O V E R S • U S A

Positive to Negative Earth Conversion For Early Series IIA

If there are two independently operated wiper motors mounted on the windshield of your Land Rover, it was originally manufactured as positive ground. If a single wiper is mounted in the dash, it was manufactured negative earth. The following is a guide to help you convert your positive earth Land Rover to a negative earth (which must be done if you wish to replace the generator in your early Series with an alternator—those instructions you'll find on page 2).

- 1) Disconnect both terminals of the battery and remove the interior dash panel.
- 2) Reverse leads on amp gauge (it will read upside down otherwise).
- 3) Reverse leads on ignition coil (the coil takes 12 volts and turns this into about 60,000 volts, and if polarity isn't reversed, you lose 40-50% of coil output).
- 4) Connect ground cable to negative terminal of battery. We recommend good ground for a cold start—have two ground straps going into negative terminal. One lead is attached to chassis below the battery box; the other goes to the block at the 5/16 bolt that holds the support for the oil filter tube.
- 5) Next, go to the generator—look at the back: the smaller lead is the field wire. Now, to polarize the charging system, run a jumper wire from the positive terminal down to field terminal on the generator—hold it only for a second or two (you'll get a spark).
- 6) After removing jumper wire, connect power from solenoid to the positive post of the battery, and you're finished: your Land Rover is now negative earth.

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THE SPECIALISTS IN LAND ROVERS • U S A

Generator to Alternator Conversion For Early Series IIA

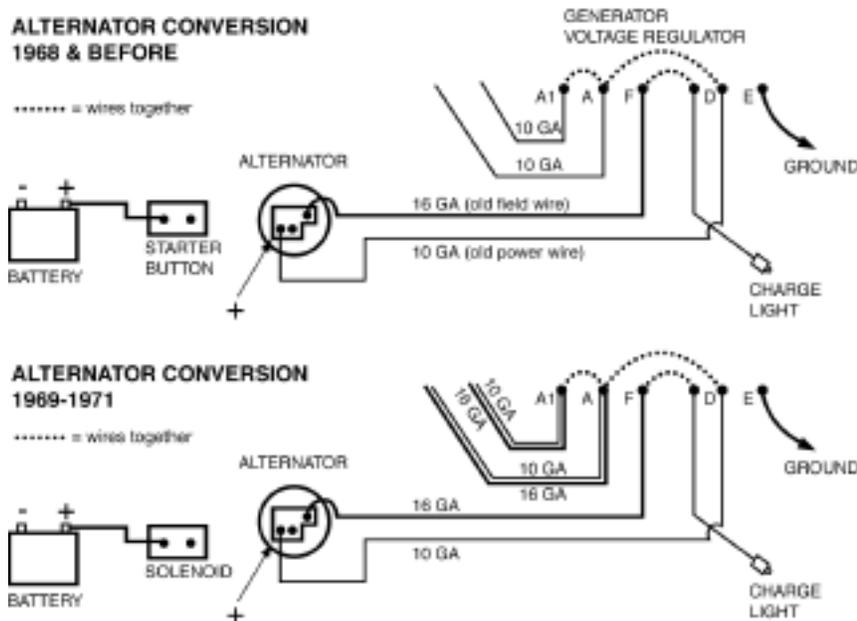
- 1) Disconnect the battery.
- 2) Remove old generator.
- 3) Mount alternator conversion kit.

Rewiring at Alternator

- 5) Connect D wire from original wiring to large positive terminal on the alternator.
- 6) Connect F wire from original generator wiring to IND terminal on alternator (small terminal).

Rewiring at Regulator Using Existing Wire

- 7) Remove F wire from voltage regulator and small charge light wire from D terminal and connect together for IND light circuit.
- 8) Remove the large D wire from the regulator and connect it to A and A1 wires from the regulator.



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