INSTALLATION INSTRUCTIONS

# ACCEL VOLTAGE REGULATOR #201104

ACCEL solid state voltage regulator #201104 is designed to replace the stock 6 volt electro-mechanical (Bosch and Delco type) voltage regulators, used with two brush Harley Davidson 12 volt generators. These generators were original equipment on all 1965 through 1977 XL, XLH XLCH 900CC and 1000CC OHV Sportster Twins and 1965 through 1969 FL, FLH 1200CC OHV Electra-Glide twins.

***NOTE: SOLID STATE ELECTRONIC REGULATOR DESIGN MAY CAUSE GENERATOR ("GEN") LIGHT TO REMAIN LIT AT SLIGHTLY HIGHER RPM COMPARED TO USING ELECTRO-MECHANICAL REGULATOR. THIS CONDITION DOES NOT INDICATE DEFECTIVE CHARGING SYSTEM PARTS.***

We suggest that you use ACCEL universal voltage regulator bracket #141100 to mount this regulator.

Make sure the following electrical system checks have been completed before installation:

**Step 1**
Make sure the generator brushes are in good condition and dry. If not, replace with ACCEL brush set #192300.

**Step 2**
Armature commutator must be clean and dry. If armature needs replaced use ACCEL #151300.

**Step 3**
Field coil must also be dry with insulation intact. When replacing coil, use ACCEL #151302

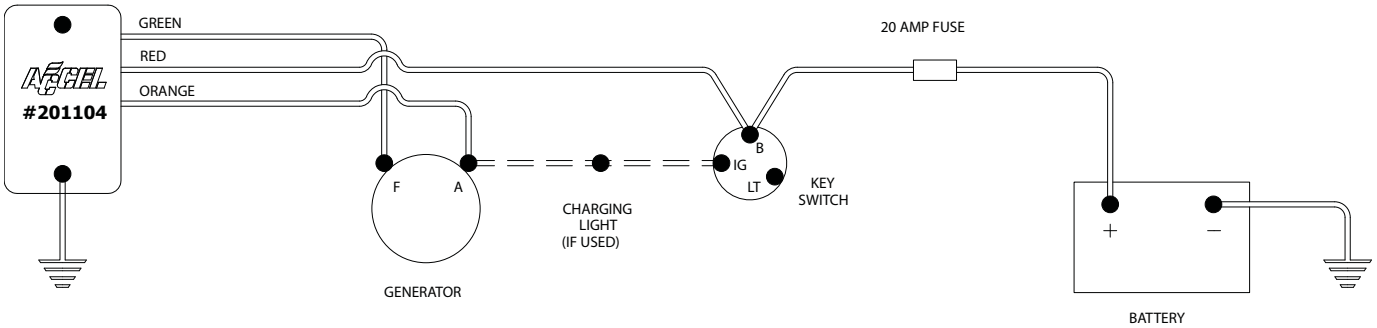
**Step 4**
Make sure the battery is fully charged with all cells operating.

Mount the ACCEL regulator (preferably in the air stream) and be sure it is properly grounded to the frame as shown in the wiring diagram.

CONNECT TAN WIRE TO "A" (ARMATURE) POST ON GENERATOR. CONNECT GREEN WIRE TO "F" (FIELD) POST ON A GENERATOR. CONNECT RED WIRE TO POSITIVE (+) BATTERY TERMINAL OR TO THE BATTERY TERMINAL OF THE IGNITION SWITCH. ACCEL RECOMMENDS THE INSTALLATION OF A 20 AMP FUSE IN LINE ON THE BLACK WIRE BETWEEN THE SWITCH AND THE BATTERY. IF NO BATTERY IS USED ON YOUR MODEL, CONNECT THE BLACK WIRE TO THE LIGHT SWITCH.

The generator must be polarized after installing the new generator. Use a short jumper lead and momentarily touch the positive battery terminal to the "A" post on the generator.

For motorcycles not equipped with a battery (magneto models) use a 6 volt battery grounding the negative side of the battery to the frame and momentarily touching the positive side of the battery to the "A" post on the generator.

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