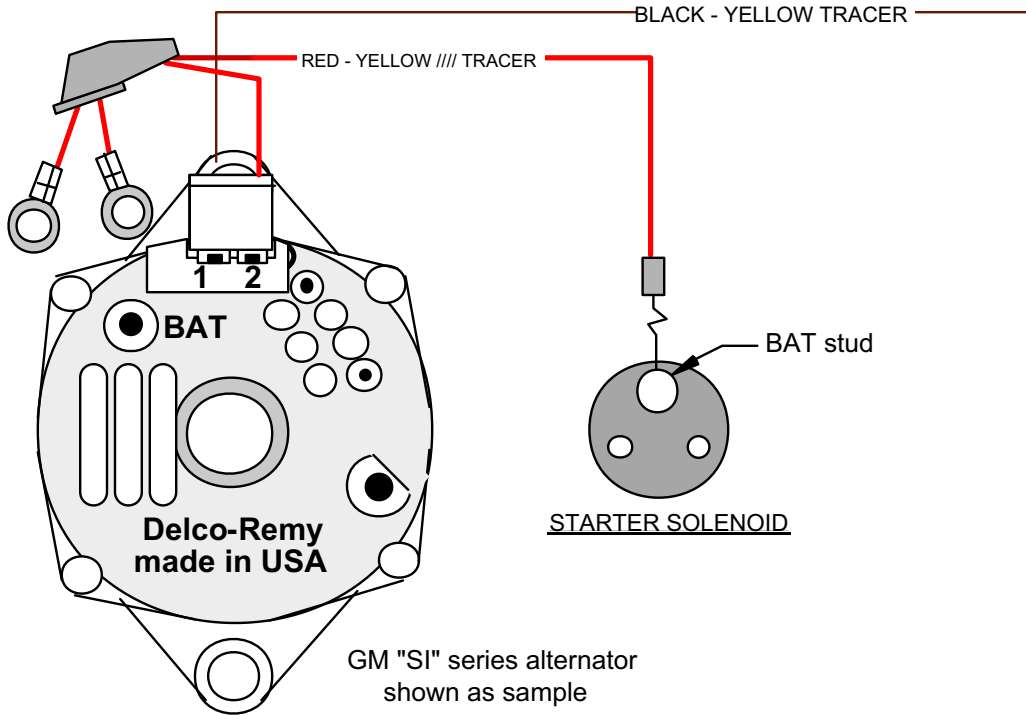
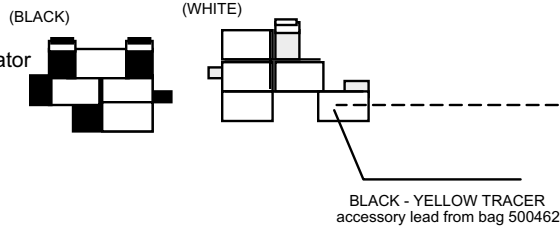


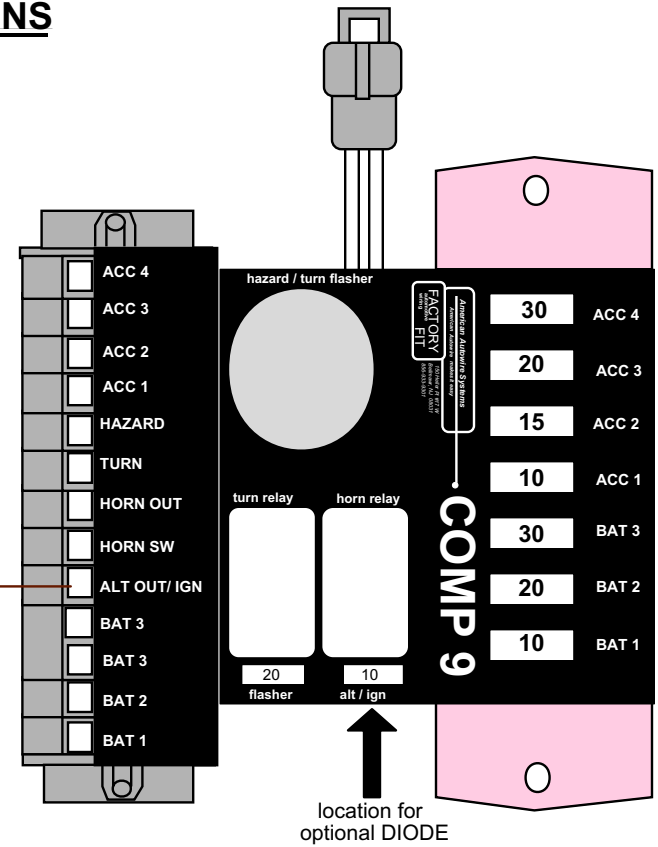
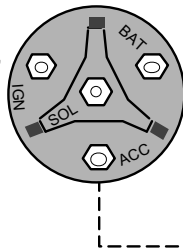
TYPICAL ALTERNATOR CONNECTIONS



If using a **column mount GM ignition switch**, and diode protection is not needed for your alternator connect the **BLACK - YELLOW TRACER** wire from the alternator here, instead of the panel.



If using the **supplied in-dash ignition switch**, and diode protection is not needed for your alternator, connect the **BLACK - YELLOW TRACER** wire from the alternator as shown here.



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856-933-9301

PART #

500459

B

DESCRIPTION:

**ALTERNATOR / GENERATOR
CONNECTION KIT**

92965240 instruction sheet

Rev 0.0 5/15/2001

TYPICAL ALTERNATOR CONNECTIONS

RED - YELLOW //// TRACER

(heavy gauge) Alternator Power Wire
(used on all alternators)

- 1) Connect the end with the BLUE fuse-link wire and ring terminal to the starter "BAT" stud.
- 2) Route the other end to the alternator, install protective boot "A" on the wire, crimp on large gauge ring terminal "B".
- 3) Solder terminal to wire.
- 4) Connect to the BAT stud on alternator.

ONE WIRE ALTERNATOR

Installation of the alternator power wire above, is the only connection required for a ONE-WIRE alternator. This type of alternator has a self-exciting regulator which is activated by the rpm of the engine.

NOTE: on a self excited regulated alternator, the ALT/DIODE position on the PANEL CONNECTION BLOCK will not be used for the alternator. However, it may be used as an extra FUSED IGNITION feed. This fuse should be rated at no more than 20 amps.

RED - YELLOW //// TRACER

Regulator Bat Wire
(GM "SI" series
internally regulated)

- 6) Route wire through protective boot "A" (lubrication may be necessary)
- 7) Connect to the "BAT" stud on alternator, along with red - yellow //// tracer wire noted above.

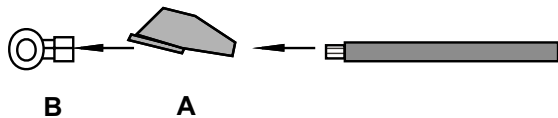
BLACK - YELLOW TRACER

Regulator Excitor Wire

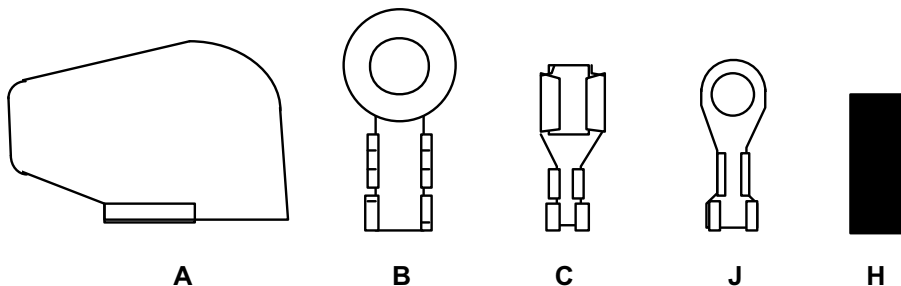
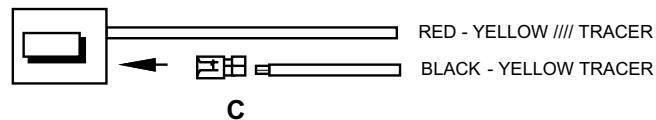
Depending on your alternator and ignition switch manufacturers, it may be necessary to use a DIODE (GM "SI" series to protect the alternator circuit. If so, replace the mini-fuse located in the "ALT / IGN" location on your internally regulated) panel with a DIODE. **(American Autowire part number 500170)** Diode orientation is noted on panel.

- 8) Install terminal "C" on one end of wire
- 9) Plug wire into the supplied regulator connector, as shown below.
- 10) Plug the regulator connector into alternator, as shown on sheet 1.
- 11) Route the other end to the fuse panel and connect to the "ALT OUT / IGN" location.
(Note: Optionally, this wire may be routed to the ignition switch, and connected to the "ACCESSORY" terminal. See sheet 1. Connection to GM column can be completed by using the terminals and connectors supplied in 500257 bag. Connection to the ignition switch in this kit can be completed by using sleeve H and terminal J.)

Step 2



Steps 8 & 9



PART #

500459

B

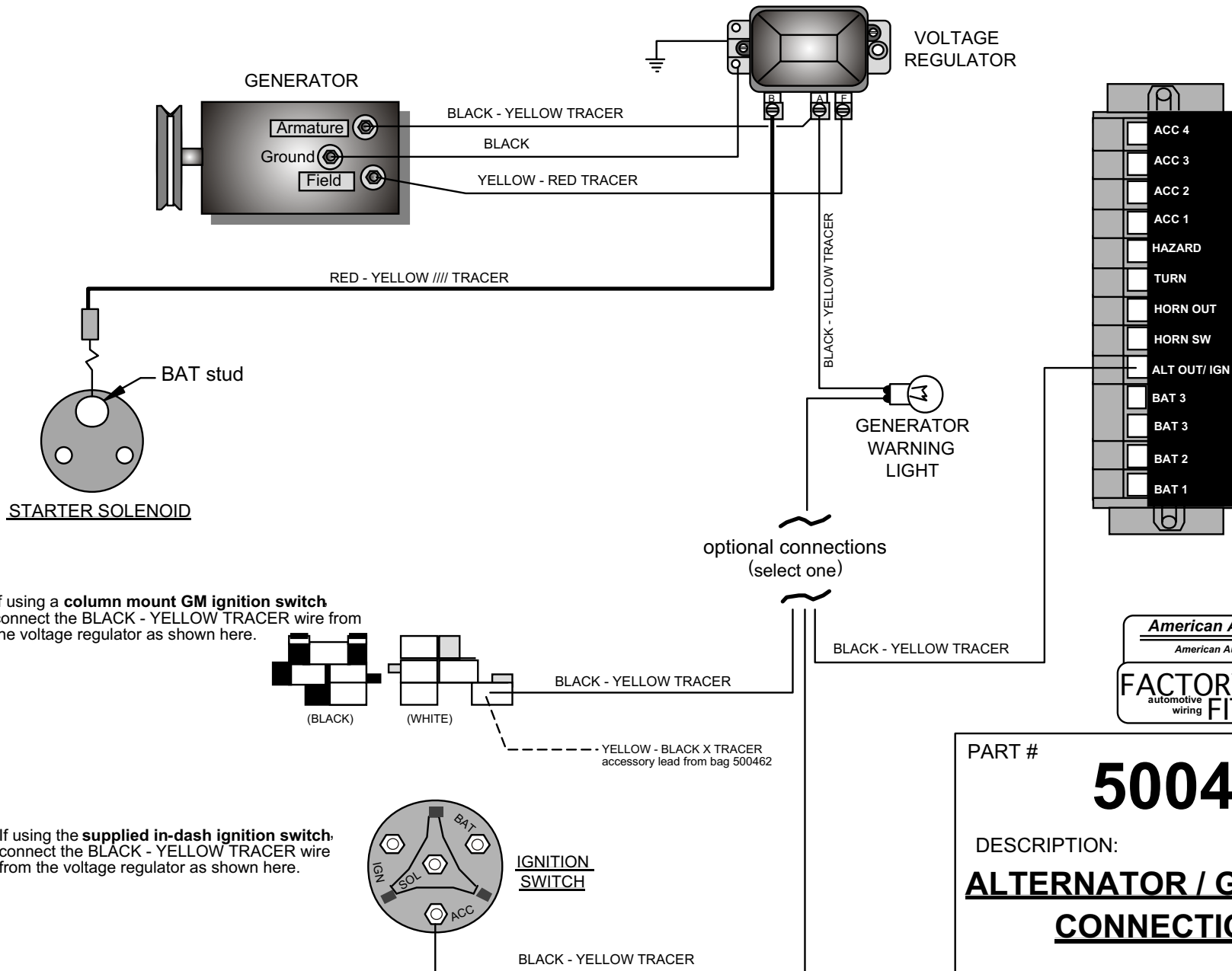
DESCRIPTION:

ALTERNATOR / GENERATOR CONNECTION KIT

92965240 instruction sheet

Rev 0.0 5/15/2001

TYPICAL GENERATOR CONNECTIONS



PART #

500459

B

DESCRIPTION:
ALTERNATOR / GENERATOR CONNECTION KIT

92965240 instruction sheet Rev 0.0 5/15/2001

TYPICAL GENERATOR CONNECTIONS

RED - YELLOW /// TRACER
(heavy gauge)

Alternator Power Wire
(used on all alternators)

- 1) Connect the end with the BLUE fuse-link wire and ring terminal to the starter solenoid "BAT" stud.
- 2) Route the other end to the voltage regulator, crimp on large spade terminal "F", and solder.
- 3) Connect to the BAT stud on the voltage regulator.

BLACK - YELLOW TRACER

Generator to Voltage Regulator
Armature Connection

- 4) Install sleeve "H" and ring "G" and connect the ring terminal end of this wire to the generator "Armature" stud.
- 5) Route the other end to the voltage regulator and cut to length.
- 6) With the cut off portion, crimp on terminal "F" and solder, as shown on sheet 3.
Connect terminal "F" to the voltage regulator "Armature" terminal, as shown on sheet 3.
- 7) Route the other end to the generator light as shown on sheet 3. The feed side of generator light can be wired one of three ways shown on sheet 3. (Connection to GM column can be completed by using the terminals and connectors supplied in 500257 bag. Connection to the ignition switch in this kit can be completed by using sleeve H and terminal J.)

BLACK

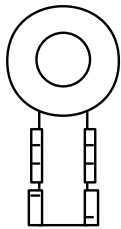
Voltage Regulator to Regulator
Ground Connection

- 8) Connect the ring terminal end of wire to the "Ground" stud on the generator. Route the other end to the voltage regulator and install ring terminal "D", and connect to regulator housing. Note: The voltage regulator housing **MUST** be properly grounded to the chassis.

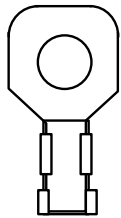
YELLOW - RED X TRACER

Generator to Voltage Regulator
Field Connection

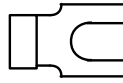
- 9) Connect one end to the "Field" stud on the generator. Route the other end to the voltage regulator and install terminal "E" and solder. Connect this end of the wire to the "Field" terminal on the voltage regulator, as shown on sheet 3.



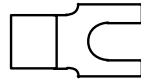
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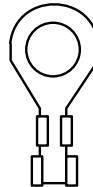
D



E



F



G



J



H

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