

- for electric choke or other keyed 12 volt accessory — pink
- (VSS ground) to VSS (electronic speedo only) — yellow
- (VSS signal) for VSS — purple
- (VSS power) for VSS — purple/white



American Autowire

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Classic Update Series bag J

1959-60 Impala

ENGINE KIT

510220

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TEMPORARILY, PLUG THE MAIN BULKHEAD CONNECTOR FROM THIS KIT INTO THE MATING CONNECTOR ON THE DASH BULKHEAD CONNECTOR (LOCATED UNDER THE MASTER CYLINDER) Note: This will be unbolted to install the front light harness later.

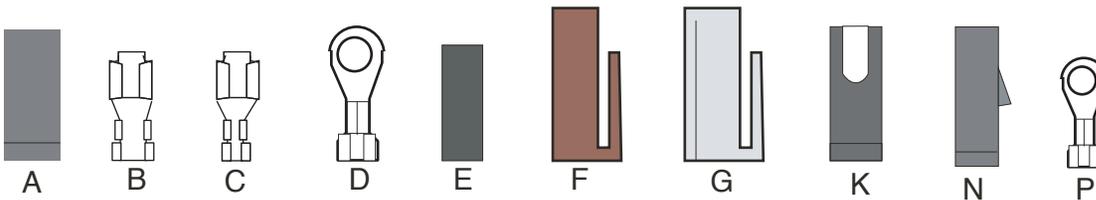
BULKHEAD CONNECTOR WIRES:

- | | | |
|--------------------|-----------------------|---|
| RED | (12 V BATTERY) | Route this wire to the Megafuse and cut to length. Use ring terminal, shrink tubing from 510476 kit. Connect as shown on page 1. |
| PURPLE | (STARTER SOLENOID) | Route to the starter solenoid and cut to length. Install rubber sleeve E and ring terminal D. Connect to the "S" terminal on the solenoid. |
| DARK BLUE | (OIL PRESSURE SENDER) | Connect this wire to the oil pressure sending unit using terminal P or terminal C together with connector K. |
| DARK GREEN | (TEMPERATURE SENDER) | Connect this wire to the temperature sending unit using terminal P or terminal C together with connector K. |
| ORANGE | (HEAT / AIR) | If using stock or after-market air conditioning, remove this wire. If using a stock heater only system, route this wire to the heater blower motor, cut to length, install terminal B and connector K. |
| PINK | (12 V IGNITION) | If using an HEI distributor or after-market ignition system which requires a 12 volt feed:
Route the PINK wire to the coil and trim to length. Install terminal C and connector G, and plug into the distributor cap BAT location.
If using a points type ignition system which requires reduced voltage:
Route the PINK wire to the ignition feed side of a ballast resistor (not included). Connect a piece of left over PINK wire to the coil side of the ballast resistor and route to the distributor coil positive (+) side. |
| YELLOW | | (Used only with a points style ignition) Connect the loose piece YELLOW wire to the R terminal on the starter and connect the other end to the coil side of the ballast resistor (not included) using terminal P. |
| WHITE | (COIL-TACH) | Route this wire to the coil and trim to length. If using an HEI distributor, terminal C and connector F are included for connection to the TACH location. If using a conventional coil, terminal P is included for connection to the negative (-) side of the coil. |
| WHITE | (WIPER 12 VOLT FEED) | Route this wire to the wiper motor, trim to length, install terminal C and plug into connector A. |
| ALTERNATOR: | | |
| HEAVY RED | (AMERICAN AUTOWIRE) | Use the 6ga red wire, boot, and ring terminal from the 510476, route from alternator to the Megafuse and cut to length. Connect as shown on page 1 of this instruction set and on the 92972153 (510476) instruction set. |
| SMALL RED | | Send the ring terminal end of this wire through boot (as shown on sheet 1) and connect to the battery stud on the alternator. Do not plug the connector into the alternator yet. The brown exciter wire will need to be added to this connector when the front light harness wires are installed. |

REMAINING LOOSE WIRES: These wires will be used only if you are using an electronic speedometer or an electric choke. Plug them into the main engine connector as shown on page 1 of this instruction sheet and route them as outlined below.

- | | | |
|--------------|-----------------|---|
| PURPLE/WHITE | (POWER) | Route this wire to the vehicle speed sensor and connect to the 12 volt power lead. |
| PURPLE | (SIGNAL) | Route this wire to the vehicle speed sensor and connect to the signal lead. |
| YELLOW | (GROUND) | Twist this wire with the purple signal lead wire above to assure proper shielding. Connect this wire to the vehicle speed sensor ground lead. |
| PINK | (12 V IGNITION) | If using an electric choke (or some other accessory that requires a 12 volt keyed ignition feed), route this wire to your carburetor choke assembly (or other appliance), cut to length, and connect there. No terminals have been supplied for this connection as they vary greatly from assembly to assembly. |

Once the main connector has had all of it's wires plugged in, the connector cavities should be sealed with dielectric grease on the terminals. Also, to assure a moisture resistant seal, silicone can be applied to seal the outside of the connector.



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