

**American Autowire**

www.americanautowire.com 856-933-0801

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	(12V BATTERY)	Route this wire to the starter solenoid and cut to length. Install terminal B and solder. Plug into connector N.
BROWN	(fuse-link wire)	Connect to the battery stud on the starter solenoid, and plug the other end into the RED wire above.
PURPLE	(STARTER SOLENOID)	Route to the starter solenoid and cut to length. Install rubber sleeve E and ring D. Connect to the 'S' terminal on solenoid.
DK BLUE	(OIL PRESSURE SENDER)	Connect this wire to the oil pressure sending unit. Using terminal P or terminal C with connector A.
ORANGE	(HEAT / AIR)	If using after-market air conditioning, remove this wire. If using a stock heater only system, route this wire to the heater blower, cut to length. Install terminal C and connector A and plug into the blower unit.
PINK	(12V IGNITION)	If using an HEI distributor, or after-market ignition system which requires a 12V feed: Route the PINK wire to the coil and trim to length. Install terminal C and connector G, and plug into distributor cap BAT location. If using a points type ignition system which required reduced voltage: Route the PINK wire to the ignition feed side of the ballast resistor (not included in this kit). 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 in this kit). Connect a piece of the left over PINK wire to the coil side of the ballast resistor and route the to the distributor coil + side.
WHITE	(COIL-TACH)	Route this wire to he coil and trim to length. if using an HEI distributor, terminal B and connector F are included for connection. Plug into the TACH location on the HEI distributor, or attach to the negative side of coil in a points type system.

The following wires are for use on a stock wiper system. If using an after-market wiper system, follow the manufacturer's instructions (see sheets 1 and 3 for details).

BLACK	(WIPER LOW SPEED)	Route to the wiper motor and trim to length. Install terminal C, plug into connector K, and plug into the low speed terminal of the wiper motor as shown on sheet 3.
DK BLUE	(WIPER WASHER)	Route this wire to the washer pump and trim to length. Install terminal C and plug into BROWN connector J in the location shown on sheet 1.
LT BLUE	(WIPER HI SPEED)	Route this wire to the wiper motor and trim to length. Install terminal C and plug into BLACK connector H in the location shown on sheet 1.
WHITE	( WIPER ACC)	Route this wire to the wiper motor and trim to length. Double it with the cut off portion, install terminal B and plug into the open cavity of connector H as shown on sheet 1. Route the loose end of this wire to the washer pump, install terminal C and plug into open cavity of connector J as shown on sheet 1. Plug connector H onto the high speed terminals of the wiper motor as shown on sheet 3. Plug connector J onto the washer pump terminals of the wiper motor as shown on sheet 3.

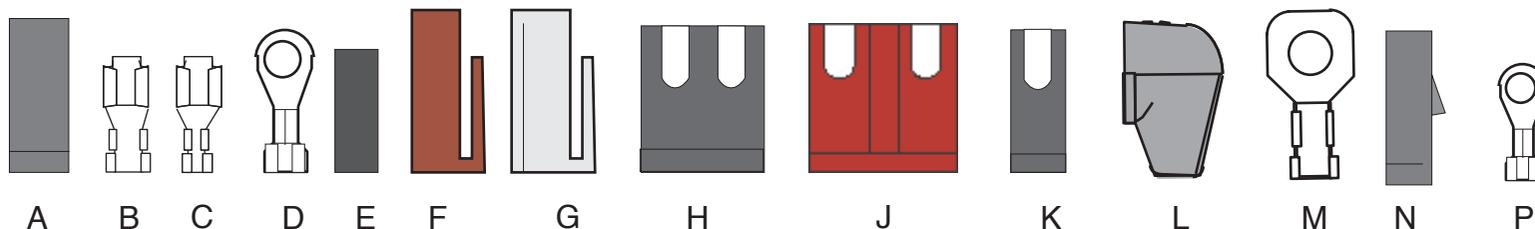
**ALTERNATOR WIRES:**

HEAVY RED	(AMERICAN AUTOWIRE)	Connect the blue fuse link wire to the battery stud on the starter solenoid. Route the other end to the alternator and trim to length. Install boot L and terminal M and connect to the battery stud on the alternator.
SMALL RED		Send the ring terminal end of this wire through boot L (as shown on sheet 1) and connect to the battery stud on alternator. Do not plug the connector into the alternator yet, the exciter wire will be added when the front light wires are install.

**REMAING LOOSE WIRES:** These wires will be used only if you are using and ECM module which is located in the engine compartment, an electric choke, or if you are using an electronic speedometer. (**NOTE:** The pink wire can also be used as a fused ignition lead for an electric choke).

RED	(12V BATTERY)	Used on ECM module which is mounted in the engine compartment. Plug this wire into the firewall bulkhead connector, at the location shown on sheet 1. Route the other end to the ECM harness, battery feed in.
PINK	(12V IGNITION)	Used on ECM module which is mounted in the engine compartment. Plug this wire into the firewall bulkhead connector, at the location shown on sheet 1. Route the other end to the ECM harness, ignition feed in. ( <b>NOTE:</b> If using the pink wire as an electric choke feed, simply connect this wire to the power terminal on your electric choke housing).
PURPLE		Used on vehicles which have an electronic speedometer. Route this wire to the vehicle speed sensor and connect to the signal lead.
YELLOW		Used on vehicles which have an electronic speedometer. Twist this wire with the purple wire above to assure proper shielding. Connect this wire to the vehicle speed sensor ground lead.

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



ENGINE KIT

# 500668

92965927 instruction rev 7.0 12/4/2014



The photo above depicts the typical stock 1967-1969 Camaro (all), 1968-1972 Nova (all), 1967-1968 Firebird (all), and 1970-73 Camaro “without depressed park” wiper motor and washer pump connections. Where you see the black wire with the yellow strip in the photo, that would be equivalent to the AAW white “wiper feed” power wire.



The photo above depicts the typical stock 1970-73 Camaro “with depressed park” wiper motor and washer pump connections. Where you see the black wire with the yellow strip in the photo, that would be equivalent to the AAW white “wiper feed” power wire.

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