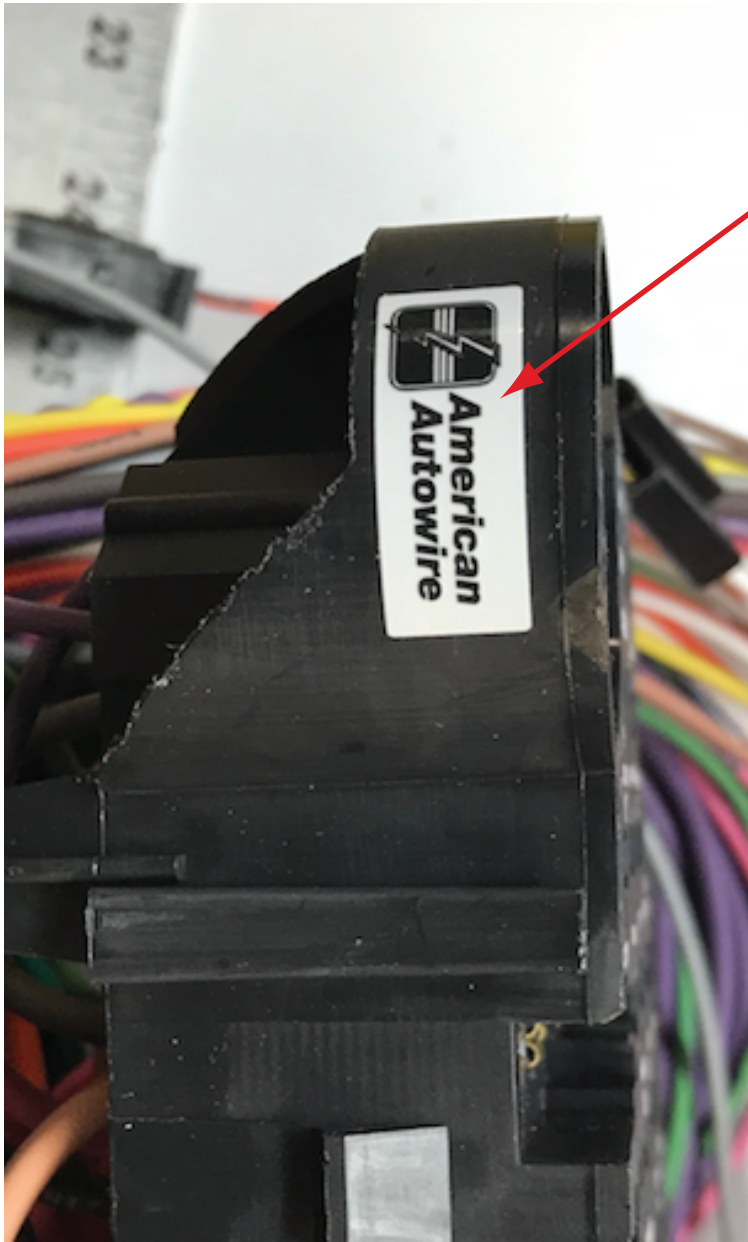


**NOTE:** If the fuse panel on your 510034 '70-'73 Camaro kit **DOES NOT** have a sticker like the photo at the left, you have the first design harness and your instructions are listed below and follow this page.



Number	Description
500332	Headlight Switch
500707	Fuse, Relay, and Flasher kit
500708	Courtesy Light kit
500919	Practice Terminal Crimping Set
510033	Dash Harness kit
500668	Engine Wiring Kit
500671	Front Light Wiring kit
510044	Instrument Cluster Wiring kit
510043	Console gauge Wiring kit
510042	Rear Body Wiring kit
500042	Floor Dimmer Switch
92968485	Kit Introduction Instruction Sheet
92970007	Warning Sheet



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70-73 Camaro  
First Design  
Instructions

92972871 rev. 0.0 1/27/2020



## WARNING:

Validate the kit contents with the component list included on page 2 of this sheet before proceeding. This kit is intended to be used in a modified vehicle. Please read this sheet thoroughly and be sure that you understand everything explained on it prior to opening any of the enclosed packages, or before attempting to install any of the components. Once this kit has been opened or a component installed, the kit is not returnable.

1. This kit should typically be used in a **MODIFIED** application only.
2. This kit supports the use of factory heater systems and aftermarket heater and A/C systems. The kit supplies power to a factory A/C control head but **DOES NOT** include the actual A/C harness for an original factory A/C vehicle. Factory original A/C harnesses are available under our Factory Fit product line as they are self contained harnesses made to fit and work with the stock A/C component configuration.
3. This kit supports the use of a high current self-exciting 1-wire alternator or other style internally regulated alternators. An adapter may be necessary in some applications. The use of a stock, low amperage alternator is seriously discouraged as they cannot handle the higher current requirements of updated ignition systems, electric fans, aftermarket A/C systems, stereo systems, air ride suspensions, and other power hungry accessories and will ultimately create performance issues with the system.
4. This kit **WILL NOT** support the use of a factory ammeter. All AAW kits are engineered to supply the optimum charge to the battery. To achieve this performance, we route our 8ga. charge wire directly from the alternator output charge terminal to the starter battery terminal. Due to the path of the charge being altered from the stock configuration, the gauge can no longer see a charge vs. a discharge, so it will not work properly. When ammeters were originally used, most generator or alternator current outputs were rated at a maximum of about 25-60 amps. Modified cars being built today typically utilize a 100 amp or higher output alternator. With these higher current units, ammeters, generally speaking, become a safety hazard. Ammeters are usually wired in parallel to the charging circuit, are typically unfused, and can short very easily causing a fire. A voltmeter is recommended as a good alternative.
5. This kit **IS NOT** set up with a resistance wire for a standard, points type ignition system. It is wired with a full 12 volt primary ignition feed that is hot in the run position. Primary ignition voltage in the starting position is handled via a full 12 volt bypass wire. Our system will support HEI, MSD, other electronic ignition systems, as well as most all computerized Fuel Injection systems. If you wish to run a points type system, there are illustrations on the engine connection pages to do so. Extra parts (ballist resistor) that are not included in this kit will be required to complete that operation.



# 510034

## 510034 - Classic Update Series Kit 1970-73 Chevrolet Camaro

This kit contains the following components:

<u>Bag</u>	<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
	500042	Floor Dimmer Switch	1
	500332	Headlight Switch	1
J	500668	Engine Wiring Kit	1
L	500671	Front Light Wiring kit	1
	500707	Fuse, Relay, and Flasher kit	1
N	500708	Courtesy Light kit	1
	500919	Practice Terminal Crimping Set	1
G	510033	Dash Harness kit	1
M	510042	Rear Body Wiring kit	1
K	510043	Console wiring kit	1
H	510044	Instrument Cluster wiring kit	1
	92968485	Kit Introduction Instruction Sheet	1
	92970007	Warning Sheet	1

Validate the kit contents with this component list. If there are any discrepancies with incorrect or missing parts, stop your installation and notify the supplier you purchased the kit from before proceeding.



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# 510034

92970007 instruction sheet Rev 0.1 11/20/2018

# Classic Update Series

1970-73 Camaro

## START HERE !

PLEASE READ THIS BEFORE STARTING INSTALLATION !

This wiring kit is designed for ease of installation. Please read the guidelines below, BEFORE STARTING your installation, to guarantee a successful job! Use an appropriate crimping tool which folds the crimp wings on the terminals as shown below. Top quality crimping tools are available from American Autowire or American Autowire authorized dealers.

**NOTE: ALL TERMINALS THAT YOU INSTALL SHOULD BE PROPERLY SOLDERED.**

Our factory terminations are installed by GM approved termination presses, and soldering is not necessary on these terminations.



### STEP 1: DISCONNECT YOUR BATTERY:

Disconnect the battery before installing the wiring kit to prevent any accidental shorting caused by loose bare wire ends.

### STEP 2: START INSTALLING KIT:

This kit is broken down into individual steps that are identified by a letter printed on the instruction sheets visible through each bag. These letters are the order of operation for installing your kit. Start with the bag letter G, then H, etc. The order of installation is shown below.

G 510033 Dash Harness Kit  
P 510044 Instrument Cluster Kit  
J 500668 Engine Kit  
K 510043 Console Kit  
L 500671 Front Light Kit  
M 510042 Rear Body Kit  
N 500708 Courtesy Light Kit

### STEP 3: RECONNECT YOUR BATTERY:

When you have completed the installation and are ready to reconnect the battery, make sure that the following electrical system grounds are in place:

- A. Battery is grounded to the ENGINE BLOCK.
- B. Battery is grounded to the frame.
- C. Engine block is grounded to the frame.
- D. Body is grounded to the frame.

### STEP 4: CHECK ALL ELECTRICAL FUNCTIONS:

Any non-functioning items should be checked for proper installation. Any problems with your wiring and electrical circuit functions should be addressed to American Autowire Systems, Inc. as soon as possible to avoid any warranty problems.

If you have any questions concerning this or any of our products, please feel free to call us at 1-800-482-WIRE.

AMERICAN AUTOWIRE MAKES IT EASY !!  
page 1

We carry many accessories for your 1970-73 Camaro

p/n R0067108  
OEM style non-stick harness tape



p/n 01997938 (1969-76)  
OEM style turn signal switch.



p/n 01993464 (1969-71)  
OEM style wiper switch.



p/n 03943657 (1969-72)  
Muncie 4 speed back up lamp switch.



p/n 500523  
OEM large terminal and double crimping tool (20-8 gauge).



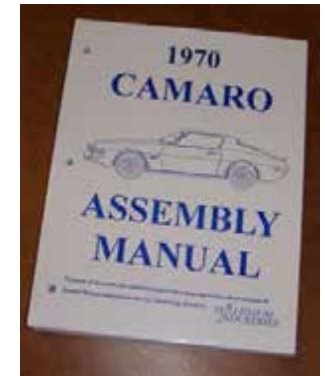
p/n 500649  
Multi-crimp tool (20-14 gauge).



p/n 38131  
Breakerless Ignition Module,  
GM V-8 POINT CONVERSION KIT



p/n 36281 (1970)  
p/n 36282 (1971)  
p/n 36283 (1972)  
Factory assembly manuals.  
(It's what they used on the assembly line to build your Camaro!)



American Autowire / Factory-Fit  
800-482-9473

## Classic Update Series

1970-73 Camaro

# 510034

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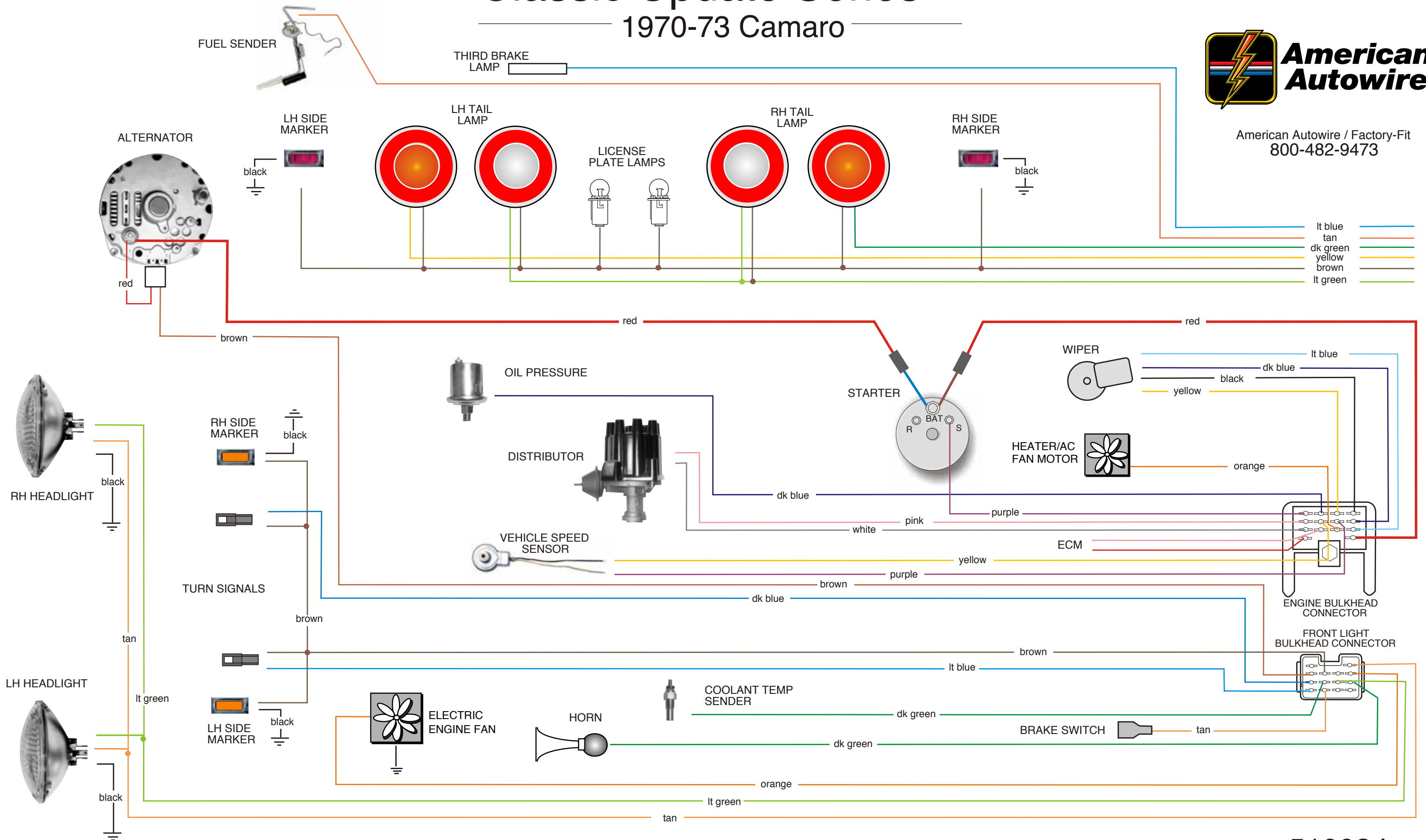


# Classic Update Series

1970-73 Camaro



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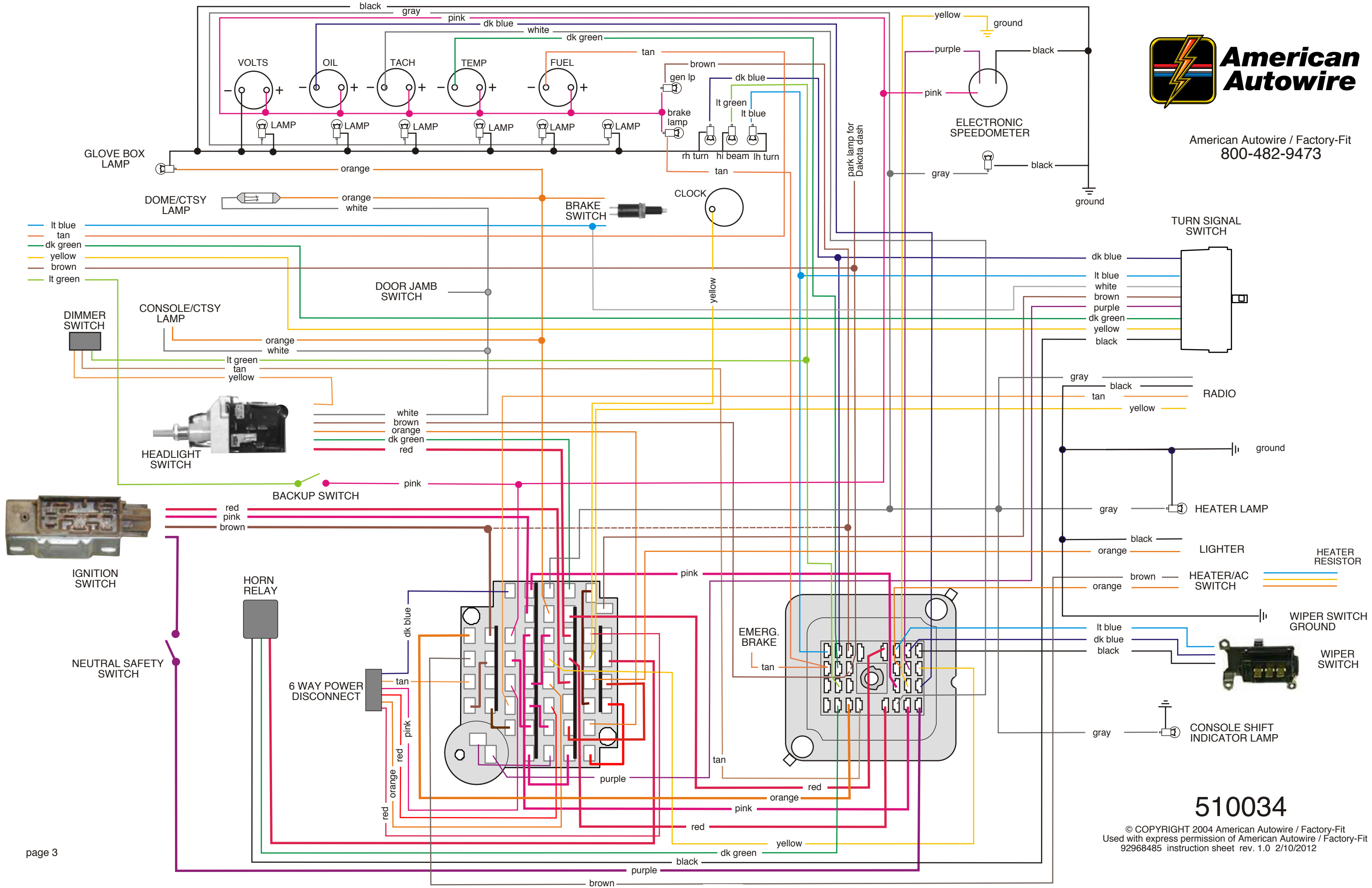
510034

NOTICE: This schematic drawing is for reference only. Do not use the schematic to install this wiring kit! Use the instruction sheets included in each bag, which includes directions for proper terminations, and specific applications (such as Rally Sport).

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- lt blue
- tan
- dk green
- yellow
- brown
- lt green

- white
- brown
- orange
- dk green
- red

- dk blue
- lt blue
- white
- brown
- purple
- dk green
- yellow
- black

- gray
- black
- tan
- yellow

- gray
- black
- orange
- orange

- lt blue
- dk blue
- black

- gray

- HEATER RESISTOR
- HEATER/AC SWITCH

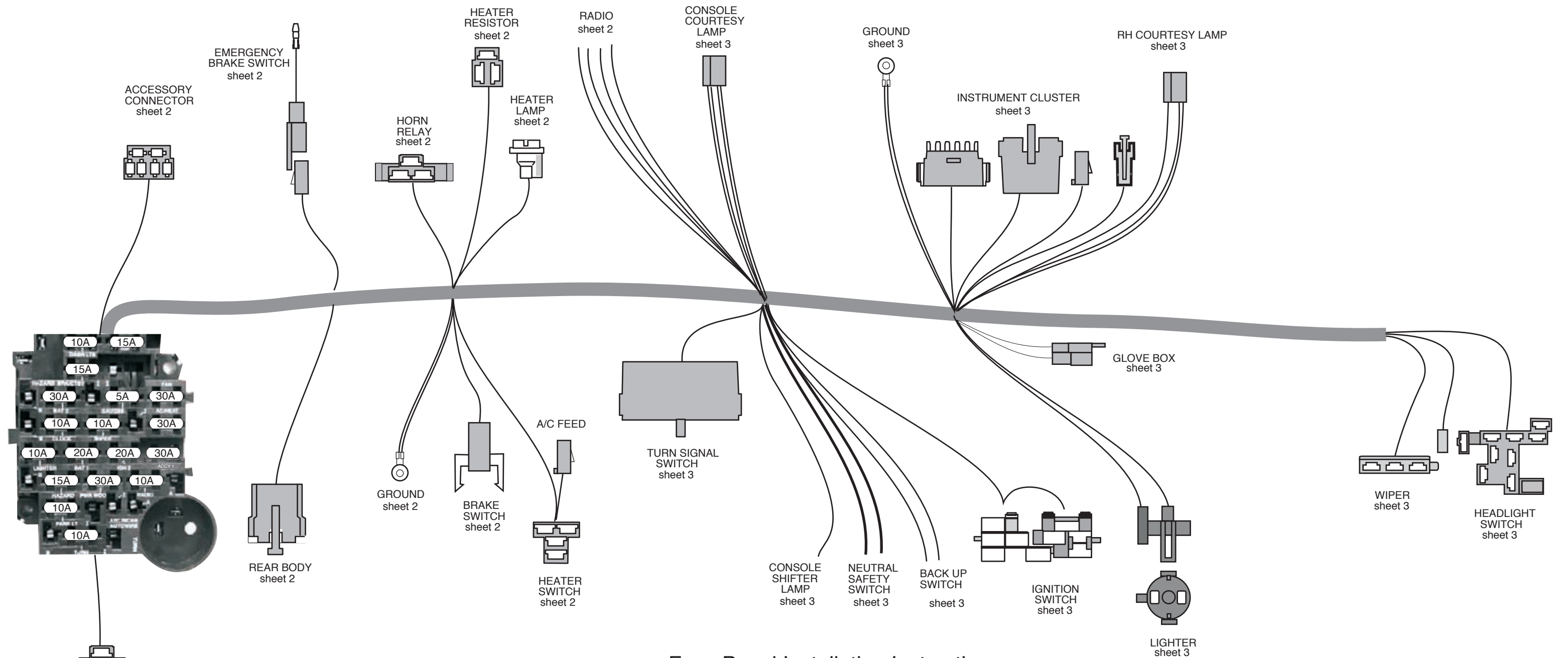
- WIPER SWITCH GROUND
- WIPER SWITCH

510034

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92968485 instruction sheet rev. 1.0 2/10/2012

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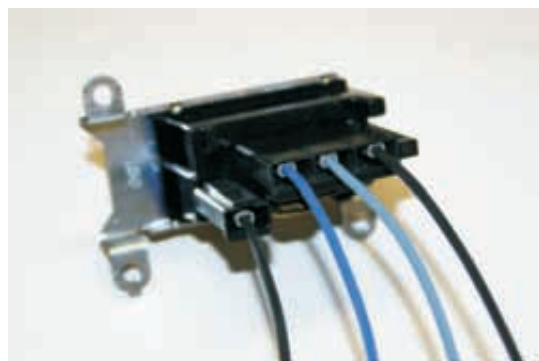




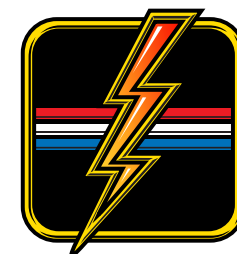
### Fuse Panel Installation Instructions

Following these simple instructions will guarantee a successful installation of your American Autowire fuse panel harness.

1. Study the diagram above to familiarize yourself with the dash harness.
2. Install the fuse box.
3. Route the dash harness using the factory support straps.
4. Make all connections as shown on the following pages of this dash harness kit.
5. Once this harness is installed, continue to bag 'H', and install the rest of the kit (bags H,J,K,L,M).



The above picture shows the orientation for wiper switch hook-up only. All other applications can only be plugged in one way.



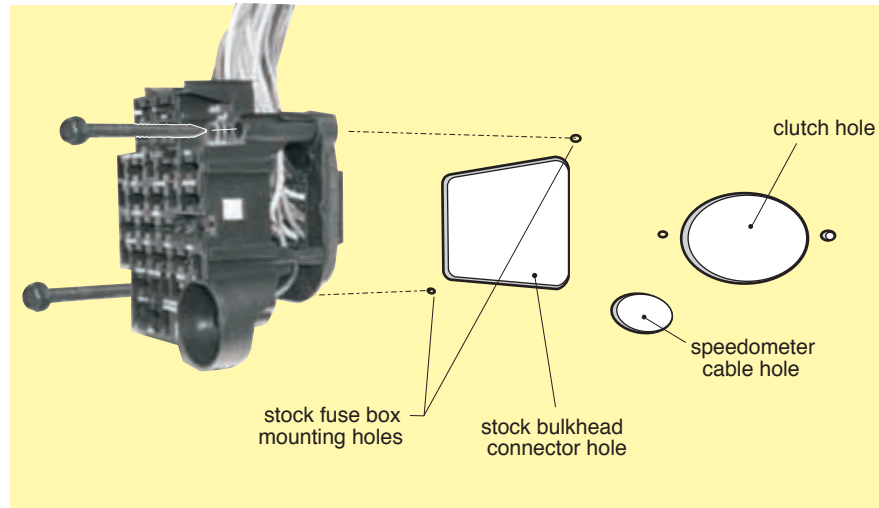
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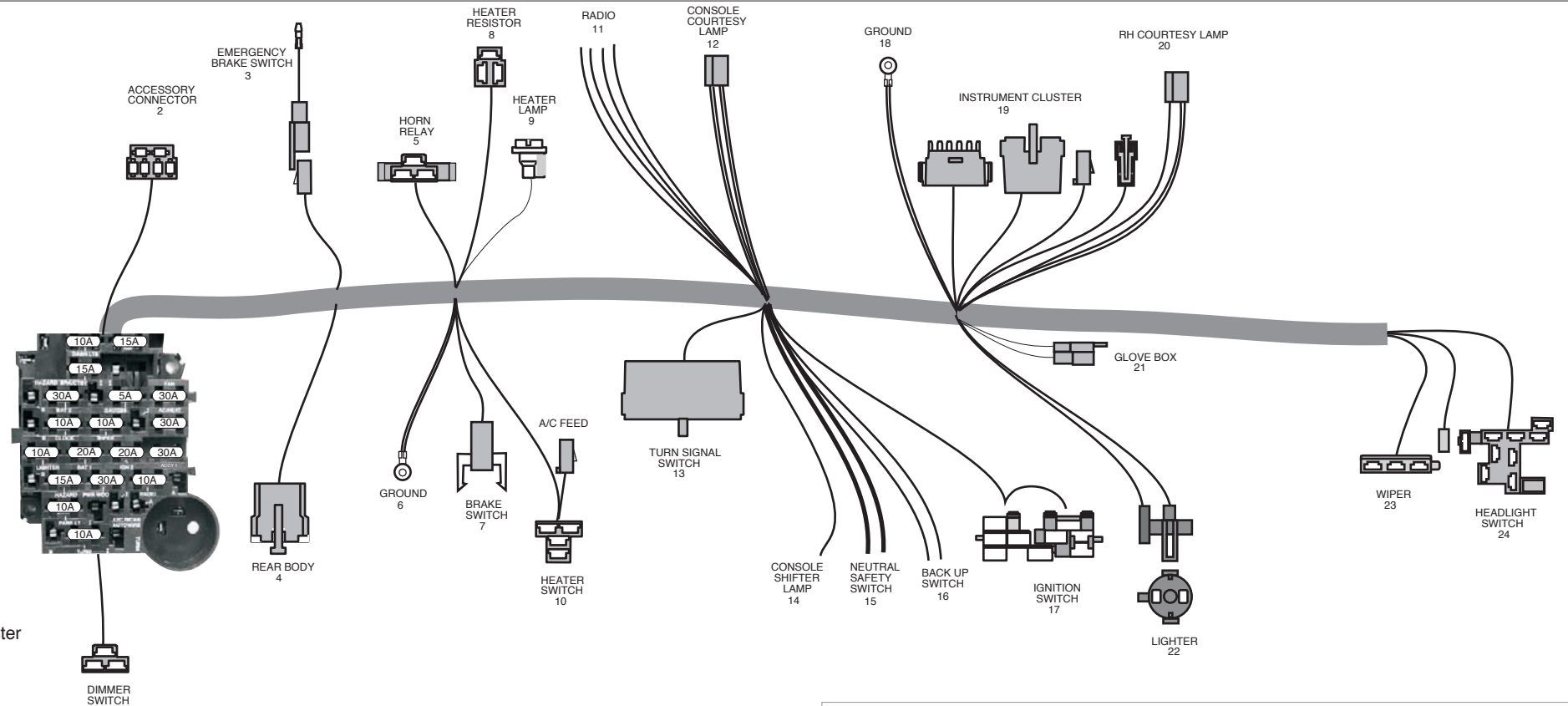




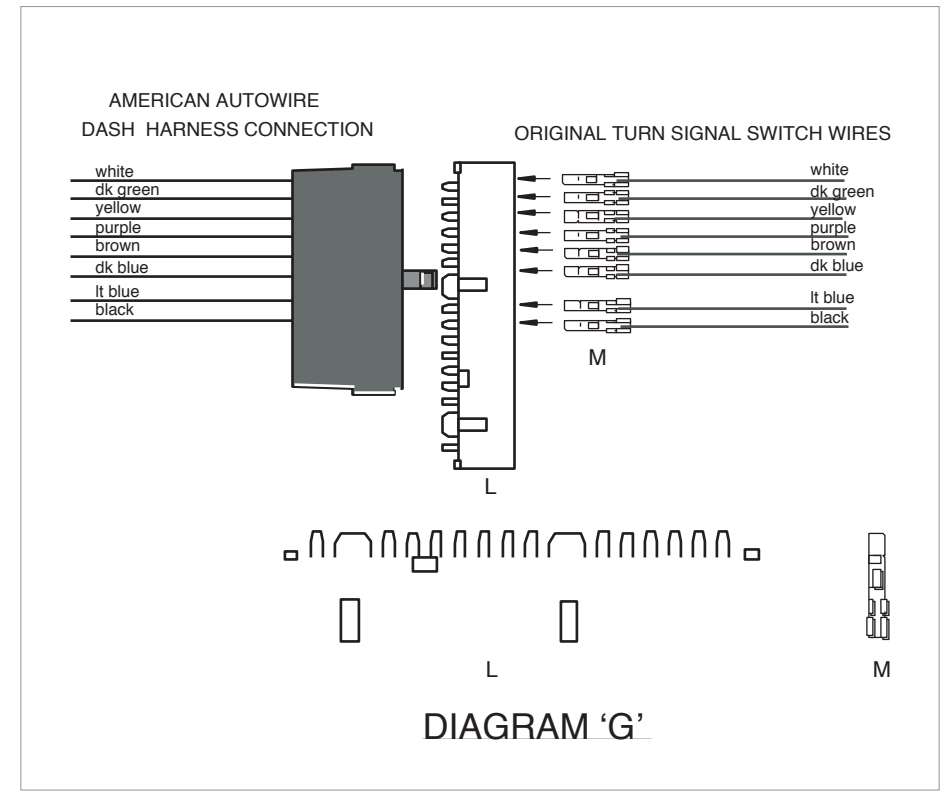
# INSTALLING THE FUSE BOX



1. Locate the stock OEM bulkhead hole in the driver side of the firewall.
2. Mount the fuse box with the flasher can in the bottom right corner, as shown above.
3. Using the two mounting screws A, attach the fuse panel to the firewall.



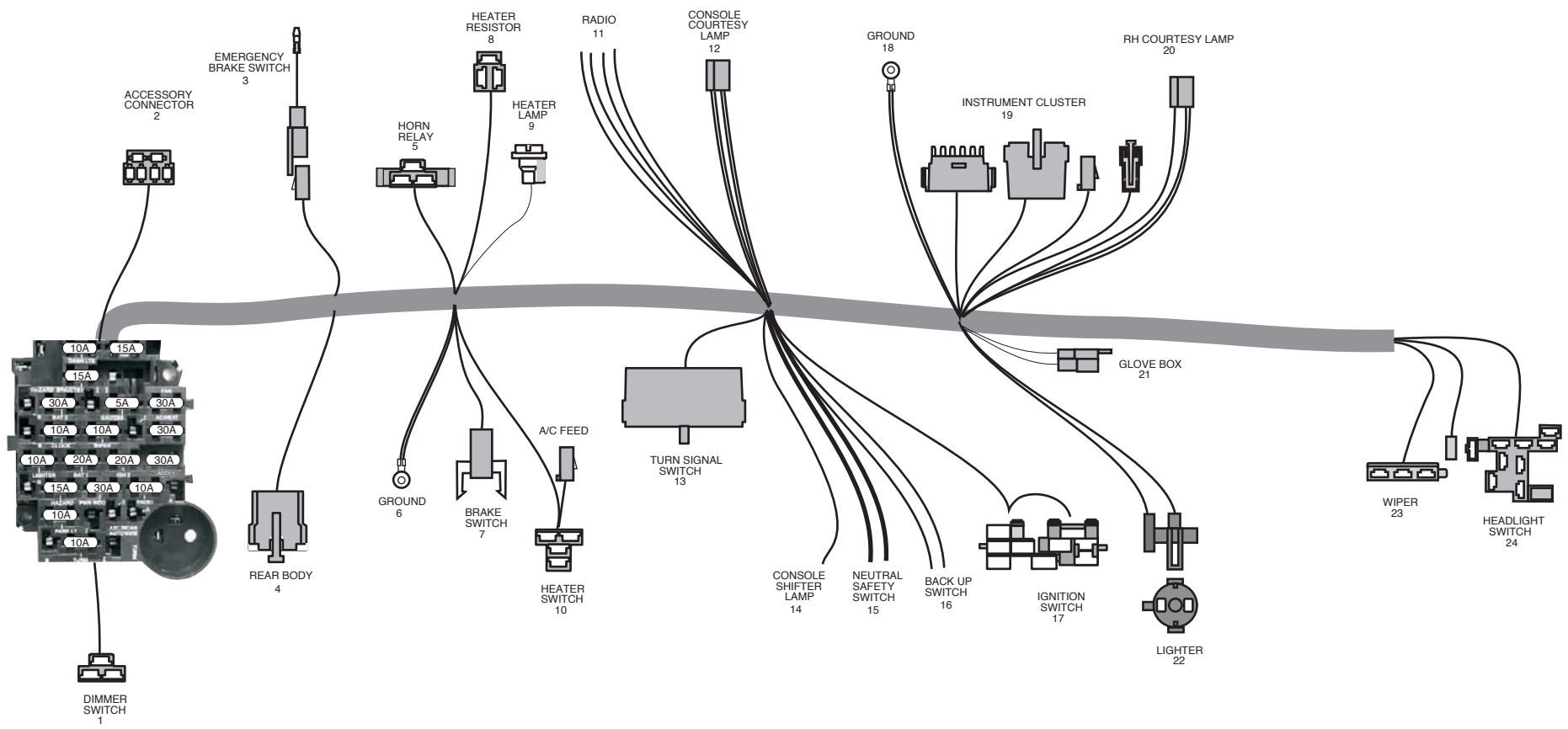
- |     |                 |   |   |
|-----|-----------------|---|---|
| 1.  | DIMMER SWITCH   | Light Green<br>Light Green<br>Tan<br>Yellow   | Thin wire is feed to high beam indicator light in instrument cluster<br>Heavy wire is headlight high beam feed wire.<br>Headlight low beam feed wire.<br>Headlight power feed wire from headlight switch. |
| 2.  | ACCESSORIES     | Use the provided connector J and terminals as power leads for the following:<br>Tan FUEL 15 amp Fused 12 volt IGNITION feed for fuel pump (may also be used to feed power to another ignition circuit)<br>Orange BAT1 20 amp Fused 12 volt BATTERY feed for power seats (may also be used to feed power to another battery circuit)<br>Red BAT2 30 amp Fused 12 volt BATTERY feed for power door locks (may also be used to feed power to another accessory circuit)<br>Pink IGN1 20 amp Fused 12 volt IGNITION feed for cruise control (may also be used to feed power to another ignition circuit)<br>Pink PWRWDO 30 amp Fused 12 volt IGNITION feed for power windows (may also be used to feed power to another ignition circuit)<br>Dark Blue ACCY1 30 amp Fused 12 volt ACCESSORY feed (may also be used to feed power to an accessory circuit) |   |
| 3.  | EMERGENCY BRAKE | Tan   | Connect to the emergency brake switch. This is the ground circuit for the brake switch light.   |
| 4.  | REAR BODY       | This connector will mate to the connector from the Rear Body harness found in bag M.<br>Tan Fuel tank sender lead<br>Brown Tail lamp feed<br>Yellow LH turn / brake feed<br>Dark Green RH turn / brake feed<br>Orange Dome / courtesy lamp feed<br>White Dome / courtesy lamp ground<br>Light Green Back up lamp feed<br>Light Blue Third brake light   |   |
| 5.  | HORN RELAY      | Plug the horn relay (found in the fuse bag) into this connector.<br>Red 12 volt battery<br>Black Relay ground circuit (to steering column)<br>Green Triggered 12 volts to horn  |   |
| 6.  | GROUND          | Black   | Connect to a good chassis ground.   |
| 7.  | BRAKE SWITCH    | Plug this connector into the factory brake switch.<br>Orange 12 volt feed 'in' to switch.<br>White 12 volt feed 'out' to steering column switch.<br>Lt Blue 12 volt feed 'out' to third brake light   |   |
| 8.  | HEATER RESISTOR | Plug this connector onto the factory heater resistor located on top of the heater box of all non-A/C equipped cars.   |   |
| 9.  | HEATER LAMP     | Gray  | Heater control panel lamp   |
| 10. | HEATER SWITCH   | Plug this connector into the factory heater switch.<br>Brown 12 volt accessory feed to heater / ac switch (if using aftermarket a/c, use the short brown wire as the accessory feed wire to a/c harness. If a new A/C harness is needed please order our p/n CA01578 (1970), CA11893 (1971), CA28040 & (1972), 37801 or 37799 (1973) separately.)<br>Yellow Heater resistor<br>Lt Blue Heater resistor<br>Orange Heater resistor  |   |
| 11. | RADIO           | Tan<br>Black<br>Gray<br>Yellow  | Radio accessory feed. (Power wire for stock radio).<br>Radio ground.<br>Radio lamp.<br>Radio 12 volt clock lead (battery feed).   |



**American Autowire**

1970-73 Camaro  
**DASH KIT**  
**510033**

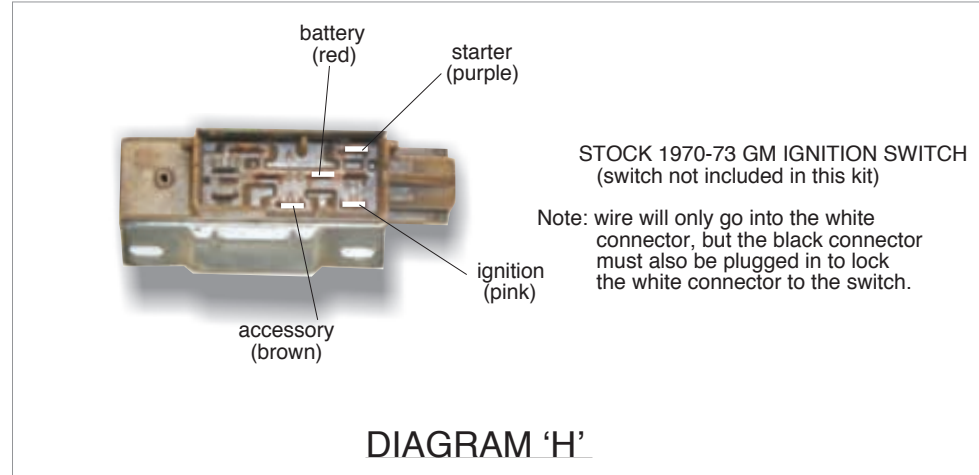
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92968483 instruction rev 2.0 1/6/2014



12. CONSOLE CTRSY LAMP These wires are for use on a console vehicle. For wire functions, refer to bag K, 510043.
- White Connects to dome light ground circuit.  
Orange Connects to the Brake and courtesy fused circuit.
13. TURN SIGNAL SWITCH This harness has a connector on it for the 3-7/8" 1969-1974 GM column connection used by GM and many after-market manufacturer's. If using a late model GM steering column or an after-market column using the 4-1/4" GM turn signal connector, replace existing connector with connector L, matching wires by color.
- White 12 volt feed from brake switch  
Dark Green RH tail lamp  
Yellow LH tail lamp  
Purple 12 volt feed from turn flasher  
Brown 12 volt feed from hazard flasher  
Dark Blue RH front park lamp  
Light Blue LH front park lamp  
Black Horn relay ground wire to horn switch

14. CONSOLE SHIFTER LAMP gray Shift quadrant lamp.
15. NEUTRAL SAFETY SWITCH Connect these wires to the neutral safety switch on the column or console shifter.
- Purple 12 volt feed 'in' to neutral safety switch from ignition switch.  
Purple 12 volt feed 'out' to starter solenoid.
16. BACK UP SWITCH Connect these wires to the back up switch on the column or console shifter.
- Pink 12 volt ignition feed 'in' to back up lamp switch  
Lt Green 12 volt feed 'out' to back up lamps
17. IGNITION SWITCH Note: Connectors are included if you are using a stock 1970-73 Camaro ignition switch as shown in Diagram H.
- Red 12 volt battery feed  
Pink 12 volt ignition feed  
Brown 12 volt accessory feed  
Purple Starter lead wire to Neutral Safety Switch

18. GROUND Black Connect to a good chassis ground.
19. INSTRUMENT CLUSTER DISCONNECTS These connectors will plug into the gauge disconnect harness from bag H. Wire identifications are described on the Instruction sheets from bag H.
20. RH COURTESY LAMP Plug this connector into the mating connector from the courtesy lamp kit bag N, 500708.
- Orange 12 volt battery feed fo lamp  
White Ground circuit for lamp
21. GLOVE BOX LIGHT Orange Connect to the original factory glove box lamp switch connector (battery feed). If not using, no other operation is necessary.  
Black Connect to the original factory glove box lamp switch connector (ground). If not using, no other operation is necessary.
22. LIGHTER Orange Connect to lighter. (battery feed)  
Black Connect to lighter (ground).
23. WIPER Black Ground circuit for low speed. (in 3 way connector)  
Dk Blue Ground circuit for washer. (in 3 way connector)  
Lt Blue Ground circuit for hi speed. (in 3 way connector)  
Black Ground for switch assy. (single wire used in 72-73 Camaro only)
24. HEADLIGHT SWITCH Red 12 volt feed to switch  
Orange 12 volt feed 'in' to park/tail  
Browns Park/ tail lamp feeds 'out'  
Yellow Dimmer feed  
Dk Green Instrument lamp feed  
White Dome / courtesy ground  
Black Switch body ground
- 'BAT' location on headlight switch  
'PARK / TAIL FEED IN' location on headlight switch. (commonly found on GM headlight switches)  
'PARK / TAIL LAMP OUT' location on headlight switch.  
'DIMMER FEED' location on headlight switch.  
'INSTRUMENT LAMP' location on headlight switch.  
'GROUND' location on headlight switch.  
"GROUND" for headlight switch assembly.



1970-73 Camaro  
**DASH KIT**  
**510033**

# Classic Update Series

REFER TO SHEET 2 FOR CONNECTING TO A STOCK INSTRUMENT CLUSTER. IF USING A FACTORY DASH CIRCUIT BOARD, BE SURE TO INSTALL THE WIRES AS SHOWN FOR WARNING LIGHTS OR FACTORY GAUGES.

**CONNECTOR F** - Plug this connector into the mating connector on the dash harness (bag G) and connect wires as follows:

Wire Color	Function	Stock circuit board connection
DK BLUE	Right Turn Lamp	Route this wire to the circuit board and cut to length. Install terminal A, and plug into connector B in the location shown on sheet 2.
LT BLUE	Left Turn Lamp	Route this wire to the circuit board and cut to length. Install terminal A, and plug into connector B in the location shown on sheet 2.
LT GREEN	Hi Beam Lamp	Route this wire to the high beam light socket location at the top of the instrument cluster, and cut to length. Install lamp socket B, and rivet A. Install this into the hi beam hole on the instrument cluster.
DK GREEN	Temperature Sender	Route this wire to the circuit board and cut to length. Install terminal A, and plug into connector B in the location shown on sheet 2.
DK BLUE	Oil Pressure Sender	Route this wire to the circuit board and cut to length. Install terminal A, and plug into connector B in the location shown on sheet 2. (Note: Valid only on an original warning light cluster.)
TAN	Fuel Sender	Route this wire to the circuit board and cut to length. Install terminal A, and plug into connector B in the location shown on sheet 2.
TAN	Brake Lamp	Route this wire to the circuit board and cut to length. Install terminal A, and plug into connector B in the location shown on sheet 2.

**CONNECTOR G** - Plug this connector into the mating connector on the dash harness (bag G) and connect wires as follows:

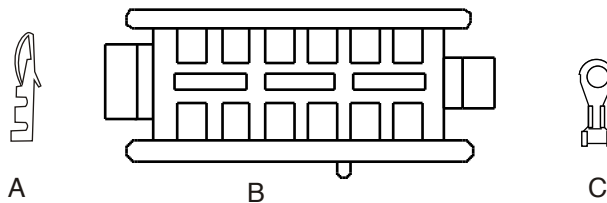
Wire Color	Function	Stock circuit board connection
PINK	12v Ignition	Route this wire to the circuit board and cut to length. Install terminal A, and plug into connector B in the location shown on sheet 2.
GREY	Instrument Lamps	Route this wire to the circuit board and cut to length. Install terminal A, and plug into connector B in the location shown on sheet 2.
BLACK	Ground	Route this wire to the circuit board and cut to length. Install terminal A and plug into connector B in the location shown on sheet 2.

**CONNECTOR H** - Plug this connector into the mating connector on the dash harness (bag G) and connect wires as follows:

Wire Color	Function	Stock circuit board connection
PURPLE	VSS signal	Not used in stock configuration. <u>Used ONLY with an electronic speedometer.</u> This wire will plug into connector H, maintaining color continuity with the purple wire on the mating dash connector. Connect the other end to the speedometer 'sender' terminal following the manufacturer's instructions.
YELLOW	VSS ground	Not used in stock configuration. <u>Used ONLY with an electronic speedometer.</u> This wire will plug into connector H, maintaining color continuity with the yellow wire on the mating dash connector. Connect the other end to a good chassis ground using terminal C, following the manufacturer's instructions.

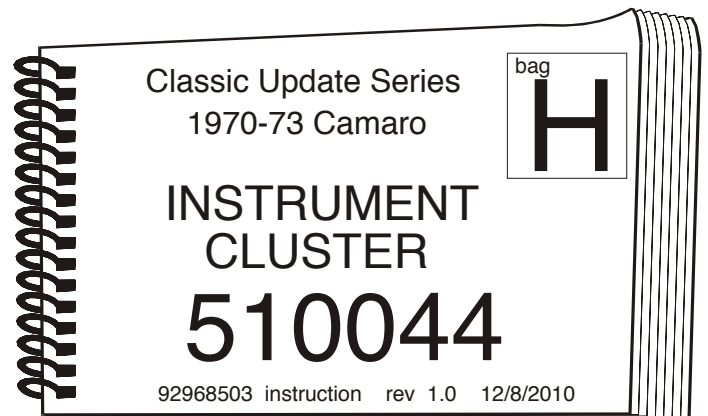
## LOOSE WIRES

WHITE	Tachometer	<u>Used ONLY with a tachometer.</u> Plug this wire into connector F, maintaining color continuity with the white "TACH" wire on the mating dash connector.
BROWN	Alternator	Used with a stock alternator lamp. Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector F in the location shown on sheet 2.
BROWN	Park Lamp	<u>Used ONLY with Dakota Digital dash panels.</u> Plug this wire into connector G, maintaining color continuity with the brown "PARK LAMP" wire on the mating dash connector. Connect the other end to the gauge manufacturer's panel - 'DIM' location. This will dim the panel lights when headlights are turned on.



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Classic Update Series  
1970-73 Camaro

bag  
**H**

INSTRUMENT  
CLUSTER

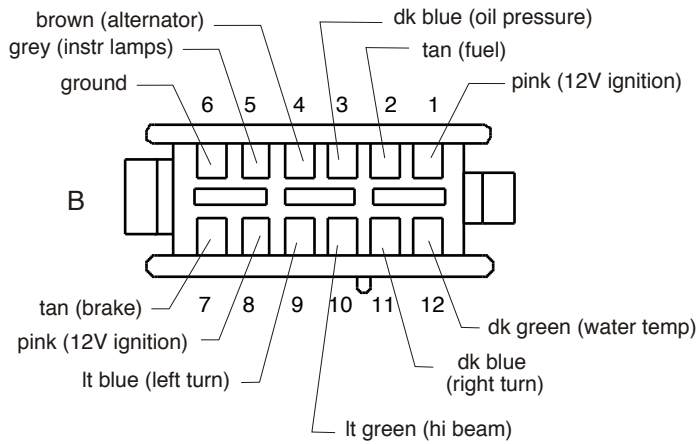
**510044**

92968503 instruction rev 1.0 12/8/2010

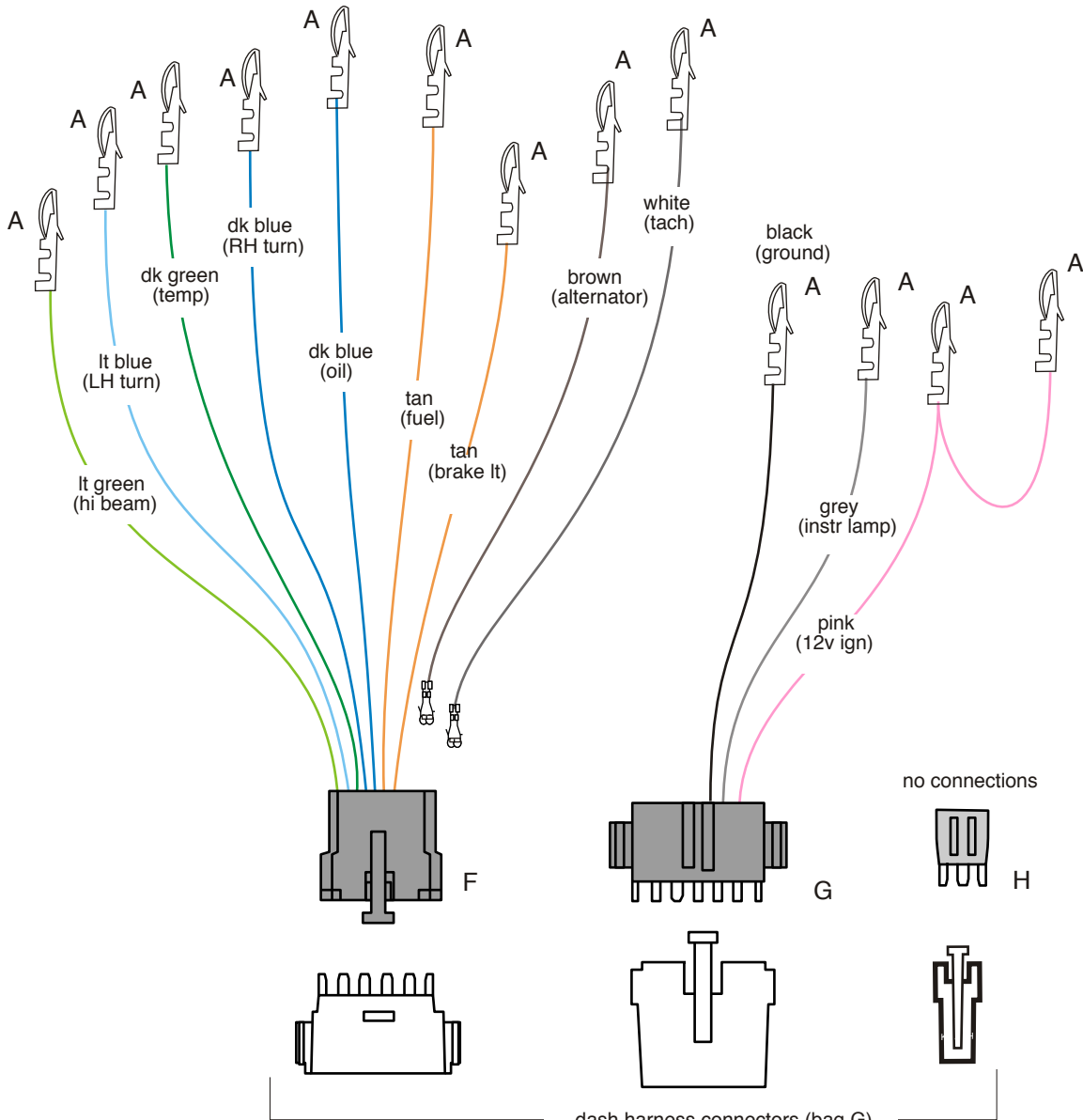
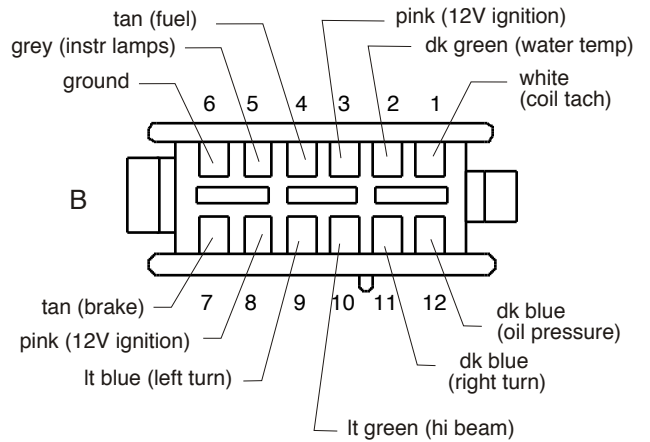
USE THIS SHEET TO CONNECT TO AN ORIGINAL 1970-73 CAMARO  
FACTORY INSTRUMENT CLUSTER WITH A CIRCUIT BOARD CONNECTION

Classic Update Series

CIRCUIT BOARD CONNECTOR  
WITH WARNING LIGHTS

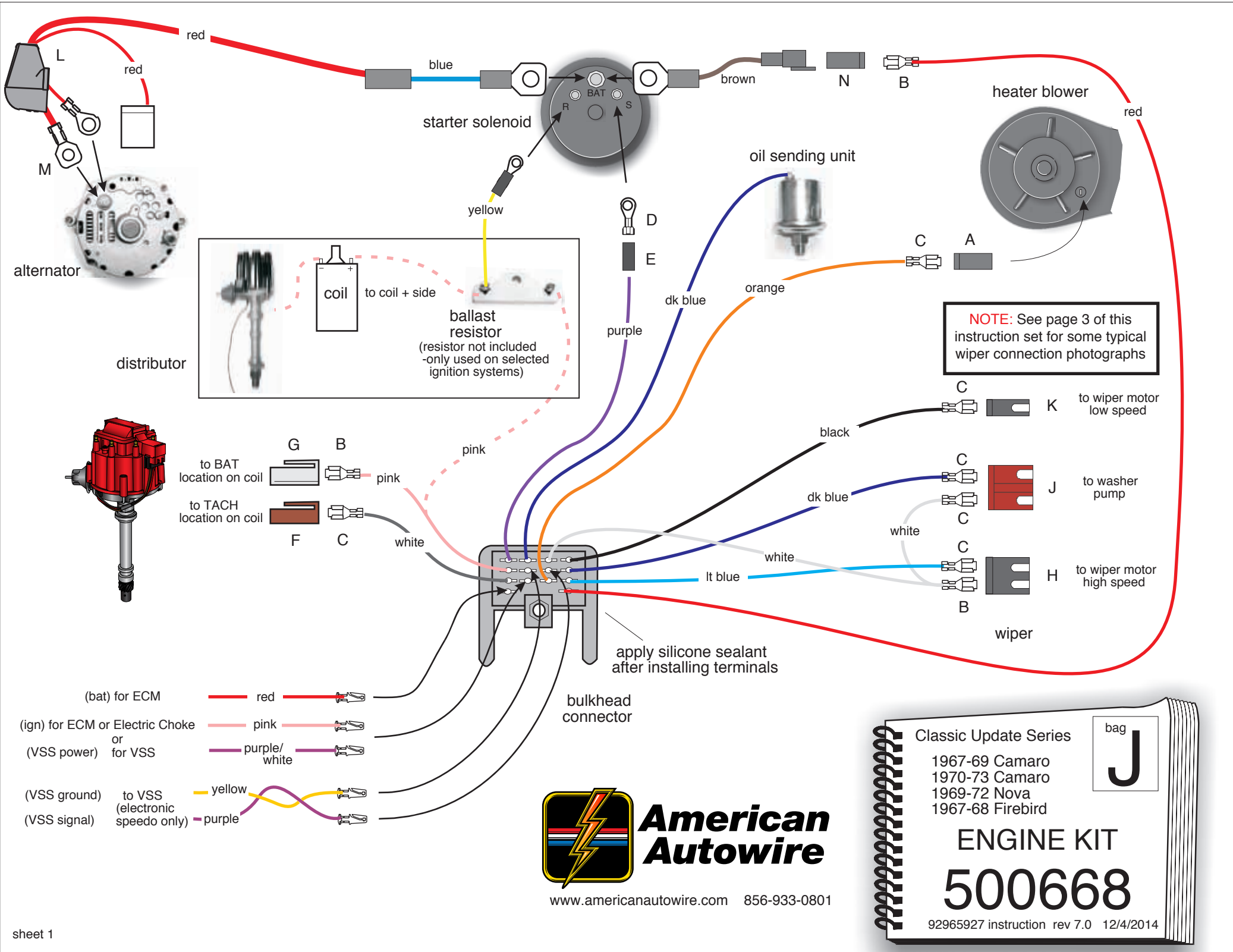


CIRCUIT BOARD CONNECTOR  
WITH GAUGES



no connections

dash harness connectors (bag G)





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.

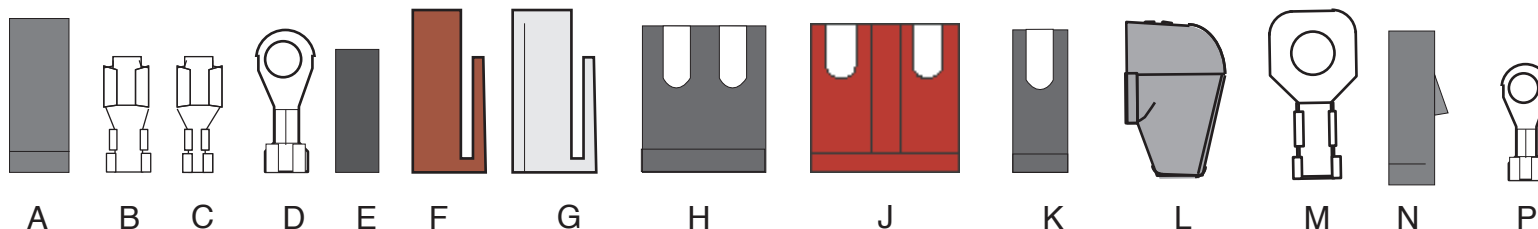
**ALTERNATOR WIRES:**

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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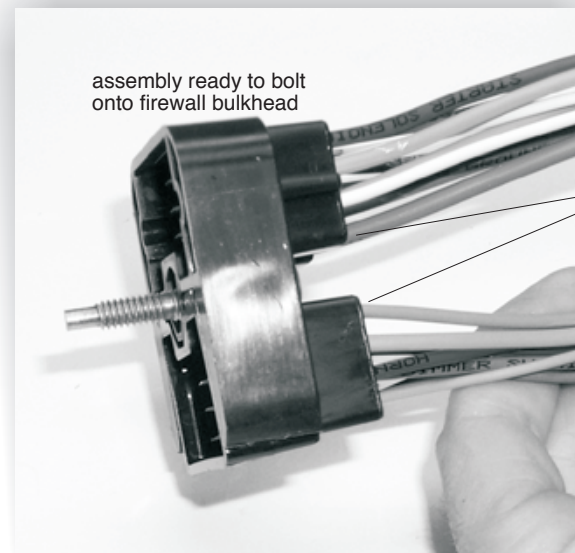
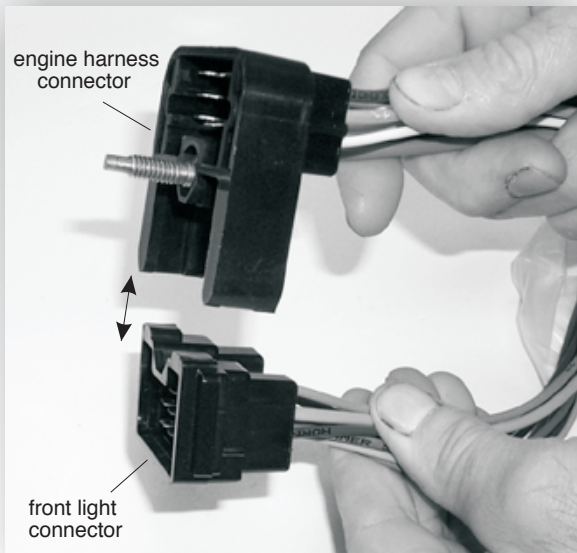
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ENGINE KIT

**500668**

92965927 instruction rev 7.0 12/4/2014

# Classic Update Series



The bulkhead connector from this front light kit must snap into the mating engine connector (bag J), as shown. After snapping together, then bolt the assembly into the dash harness firewall connector using the attached bolt.

Look!



American Autowire also sells factory OEM style harness wrap. this is the same stuff used on original Camaro harnesses! If you want that OEM look with your Classic Update wiring system, then give us a call and order p/n R0067108 !

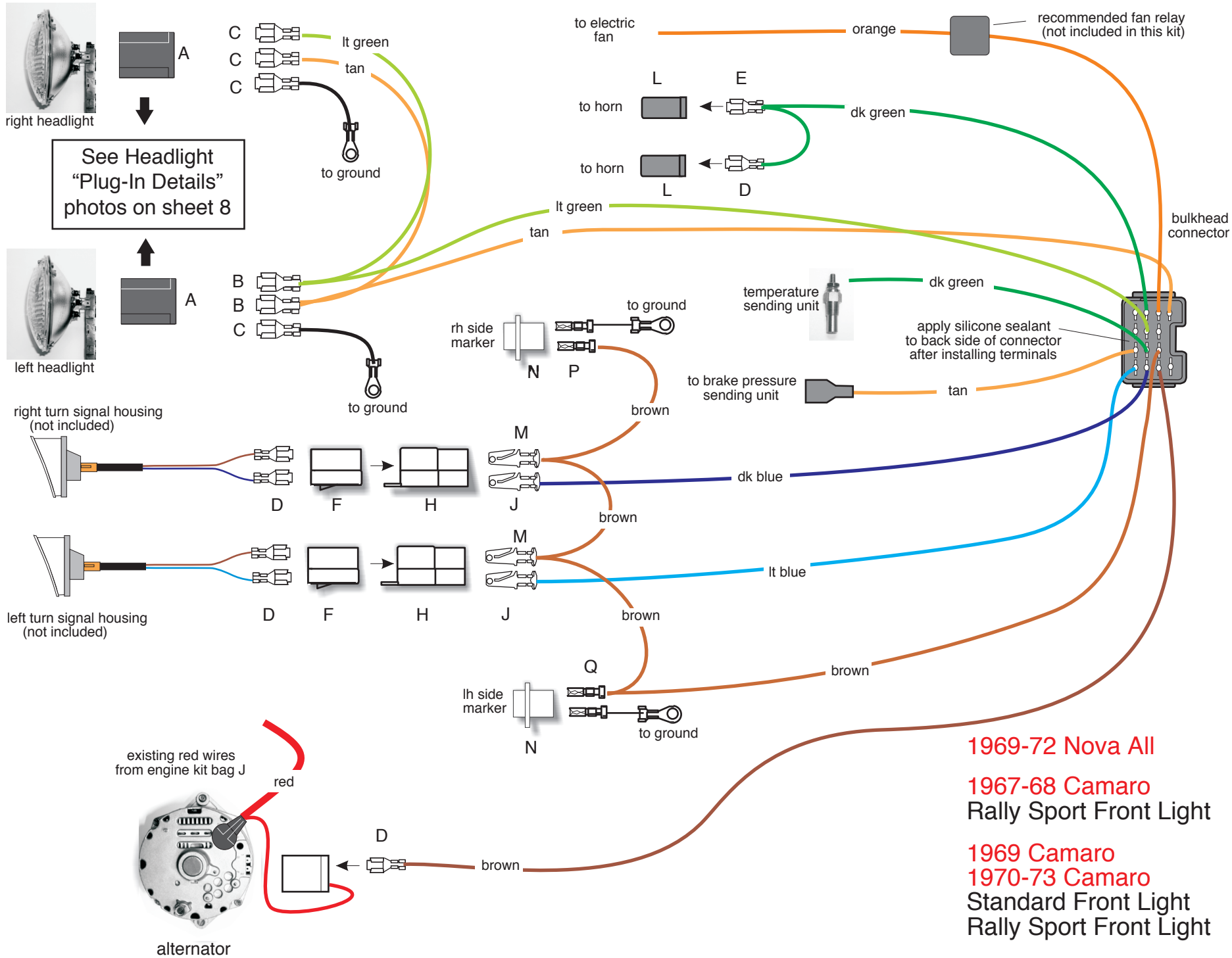


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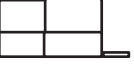








# Classic Update Series



1969-72 Nova All  
1967-68 Camaro Rally Sport Front Light  
1969 Camaro Standard Front Light  
1970-73 Camaro Rally Sport Front Light



## 1967-68 Camaro Rally Sport Front Lighting; 1969-72 Nova Front Lighting 1969 Camaro & 1970-73 Camaro Standard and Rally Sport Front Lighting

A		Connect the bulkhead connector from this kit onto the bulkhead connector from the engine kit (bag J), and bolt to the firewall dash bulkhead.		
B		<u>PARKING LAMP WIRES</u>		
C		LT BLUE	LH turn	Route this wire to the LH turn signal lamp install terminal J, and plug into connector H as shown on sheet 4.
D		DK BLUE	RH turn	Route this wire to the RH turn signal lamp install terminal J, and plug into connector H as shown on sheet 4.
E		BROWN	Parking Lamp	Route this wire to the LH side marker lamp and cut to length. Double this wire with the cut off portion, install terminal Q, and plug into lamp socket N, as shown on sheet 4. (Also plug the pre-assembled black ground wire into lamp socket N, as shown on sheet 4.) Route the remaining portion of the brown wire to the LH turn signal lamp and cut to length. Double this wire with the cut off portion, install terminal M, and plug into connector H with the lt blue wire from above as shown on sheet 4. Route the remaining portion of the brown wire to the RH turn signal lamp and cut to length. Double this wire with the cut off portion, install terminal M, and plug into connector H with the dk blue wire from above as shown on sheet 4. Route the remaining brown wire to the RH side marker and trim to length. Install terminal P and plug into connector N, as shown on sheet 4. (Also plug the pre-assembled black ground wire into lamp socket N, as shown on sheet 4.)
F				
H		<b>NOTE:</b> The running and directional light assemblies use factory parking lamp housing assemblies that are not serviceable. To connect them, plug completed connector H (on the wires above) onto the factory parking lamp housing assemblies as shown on sheet 4. New terminals D and connectors F have been provided in the event that your originals are damaged or are missing.		
J		<u>FRONT LIGHT WIRING</u>		
L		TAN (heavy gauge)	Lo Beam	Route this wire to the driver side headlight and trim to length. Double this wire with the cut off portion, and install terminal B. Plug this terminal into connector A, in the location shown on sheet 8. Route the remaining portion of this tan wire to the passenger headlight and trim to length. Install terminal C and connector A, in the location shown on sheet 8.
M		LT GREEN	Hi Beam	Route this wire to the driver side headlight and trim to length. Double this wire with the cut off portion, and install terminal B. Plug this terminal into connector A, in the location shown on sheet 8. Route the remaining portion of this lt green wire to the passenger headlight and trim to length. Install terminal C and connector A, in location shown on sheet 8.
N		BLACK	Ground	Install terminal C and plug into connector A, in the location shown on sheet 8. Connect the ring terminal to a good chassis ground. Complete for each headlight.
P		DK GREEN	Horn	Route to horns and install terminals D & E, as shown on sheet 4, Plug into connectors L.
		ORANGE	Electric Fan	Route to the electric fan, and connect per manufacturer's instructions.
		<b>NOTE:</b> We recommend that this wire be used as the trigger wire for the electric fan relay. American Autowire manufactures relay kits for this application!		
Q		TAN (small gauge)	Brake Sender	Plug this wire onto the stock brake sender switch.
		DK GREEN	Water Temp	Connect this wire to the temperature sending unit using terminal R or terminal D and connector S (depending on your sending unit).
R		BROWN	Alternator Regulator	Route this wire to the alternator and cut to length. Install terminal D and plug into the regulator connector (previously installed from the engine kit 500668 bag J).
S		<b>NOTE:</b> This wire is only used on an alternator with an internal regulator which requires an exciter wire. If you are using a true one wire alternator, then this brown wire will not used and can be removed.		

## 1967-68 Firebird Front Lighting

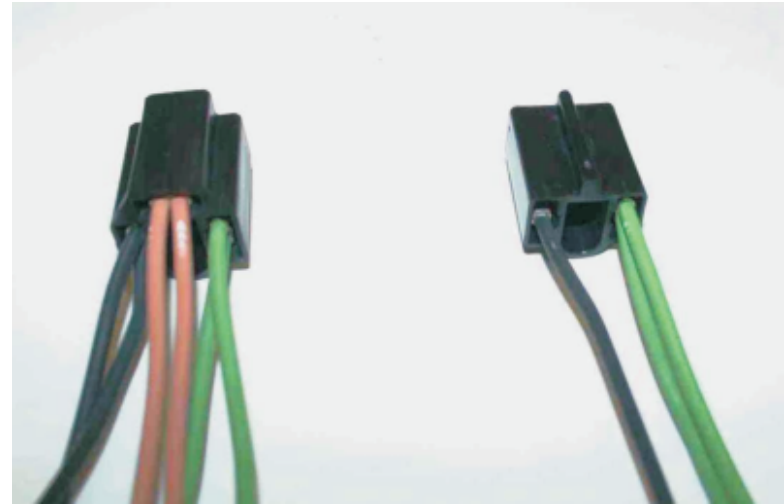
ORANGE	Electric Fan	Route to the electric fan, and connect per the manufacturers instructions. <u>NOTE:</u> We recommend that this wire be used as the trigger wire for the electric fan relay. American Autowire manufactures relay kits for this application.
TAN (small gauge)	Brake Sender	Plug this wire into the stock brake sender switch.
DK GREEN	Water Temp	Connect this wire to the temperature sending unit using terminal R or terminal D and connector S (depending on your sending unit).
BROWN	Alternator Regulator	Route this wire to the alternator and cut to length. Install terminal D and plug into the regulator connector (previously installed from the engine kit 500668 bag J). <u>NOTE:</u> This wire is only used on an alternator with an internal regulator which requires an exciter wire. If you are using a true one wire alternator, then this brown wire will not used and can be removed.

After all wires are installed from this kit, the main connector should have die-electric grease applied to the terminals. Also, to assure a moisture resistance seal, apply silicone sealant to the outside of the main connector around each wire.

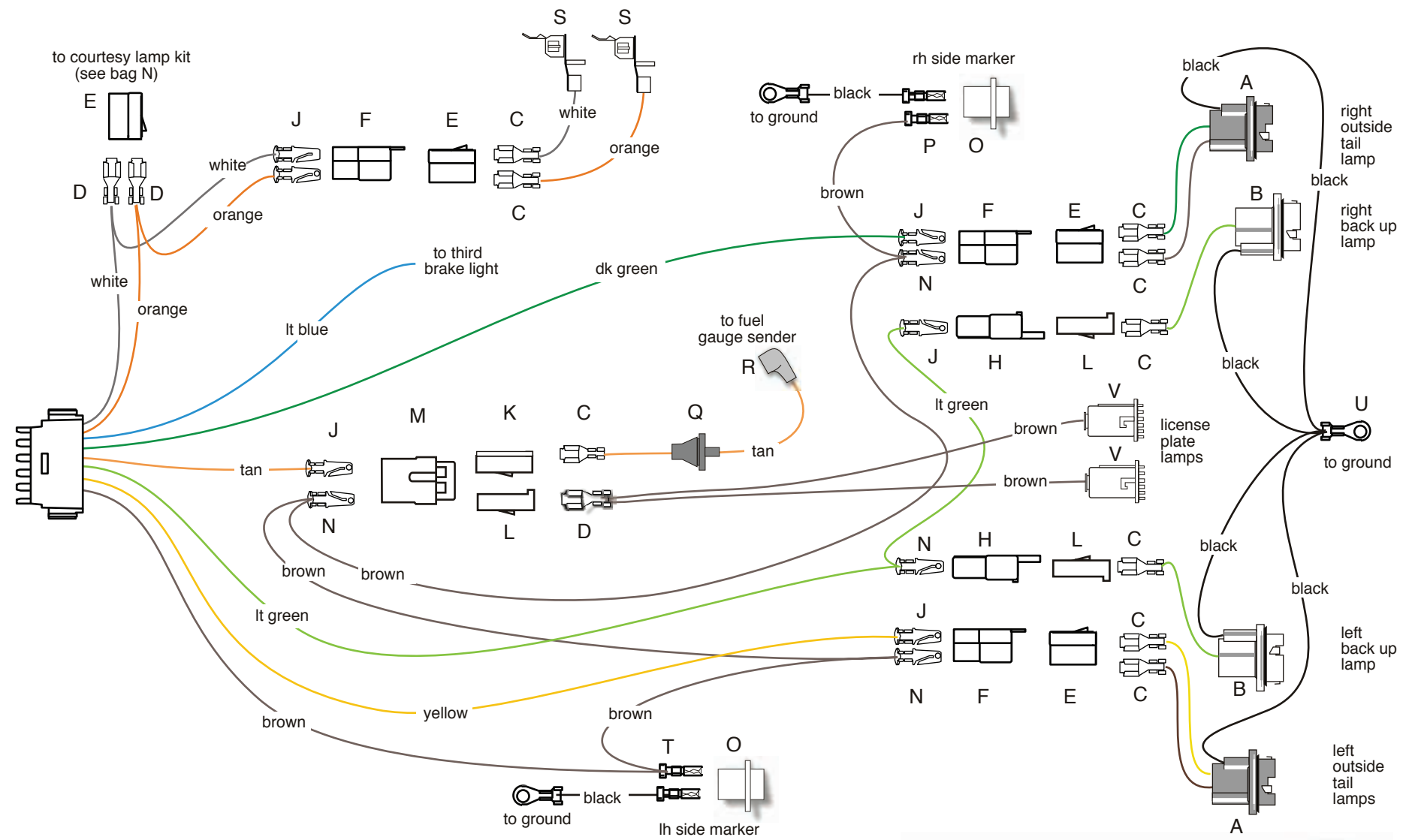
## Headlight Connector “Plug-In Details”



1967-73 Camaro All  
1968-72 Nova All



1967-68 Firebird (only)



Use the loose piece tan wire (power lead) if you are using electric fuel pump.

Plug this terminal into the 6 way power feed connector, located on the dash harness.



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**USE THIS SHEET FOR ALL 1970-73 CARS**

Classic Update Series  
1970-73 Camaro

M

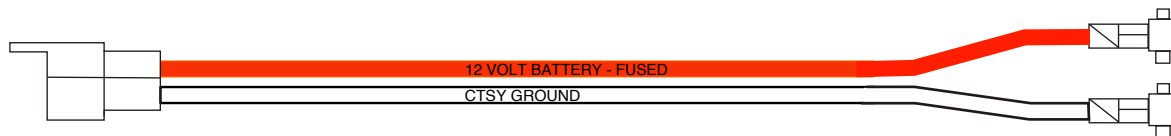
REAR BODY KIT

510042

92968497 instruction rev 2.0 6/25/2013

## USE THIS SHEET FOR ALL 1970-73 CARS

A	Connect the main connector to the mating connector on the dash harness 500662 bag G. Route this harness along door sill and into trunk
B	LIGHT BLUE Third brake light TAN Fuel signal TAN Fuel Tank lead (with rubber end)
C	Connect to the third brake lamp, if equipped. Route this wire to the rear panel of the trunk (near fuel tank filler) and trim to length. Install terminal J and plug into connector M, as shown on sheet 1. Plug the rubber end of this wire R onto the sending unit on fuel tank. Route the wire to the stock feed thru hole under fuel tank filler and install rubber grommet Q in direction shown on sheet 1. Secure this wire into hole with the attached grommet. In the trunk area, trim this wire to reach connector M from wire above. Attach terminal C and plug into connector K. Plug connector K into mating connector M. This should match the tan wire from above.
D	Your existing license plate lamp wire will also plug into connector M. (Note: Terminal C and connector L are provided if you need to attach to your lamp wire.)
E	BROWN Parking lamps Route this wire to the left side marker and trim to length. Double this wire with the cut off portion and install terminal T and plug into lamp socket O. Route the loose end to the LH tail lamps. Cut to length, and double this wire with the cut off portion, using terminal N. Plug this terminal into connector F, in location shown on Sheet 1. Route the loose end to connector M (from the tan wire above), and cut to length. Double this wire with the cut off portion and install terminal N. Plug this terminal into connector M, in location shown on sheet 1. Route the loose end to the RH tail lamps and repeat the procedure.
F	Take 2 license plate lamp sockets (V), mount lamps and route wire ends to connector M. Cut to length and double together in terminal D. Plug this connection into connector L. Plug connector L into connector M.
H	There are two loose black wires in this kit. Plug each into the rear side markers (connector O). Route the black wires to the rear panel support (near fuel tank filler), crimp on terminal U and attach to ground.
J	BROWN License plate lamps Route this wire to the LH tail lamp and cut to length and install terminal J. Plug this wire into connector F from above. Install terminal C and connector E on the tail lamp pigtail A, maintaining color continuity with connector F. Plug connector E into connector F.
K	BLACK Side Marker Ground Route this wire to the RH tail lamp and cut to length and install terminal J. Plug this wire into connector F from above. Install terminal C and connector E on the tail lamp pigtail A, maintaining color continuity with connector F. Plug connector E into connector F.
L	YELLOW LH Stop / Tail Route this wire to the LH back up lamp and trim to length and install terminal N and connector H. Route the loose end of the lt green wire to the right side back up lamp. Repeat this procedure with terminal J. Install terminals C on each of the back up pigtails B, and plug into connectors H.
M	DK GREEN RH Stop / Tail At the driver's side kick panel area, cut this wire and double it with the cut off portion using terminal D, and plug into connector E maintaining color continuity with the mating connector in the courtesy lamp kit (bag N).
N	LIGHT GREEN Back up lamp feed If you are using a dome lamp, route the loose end of this wire to the rear pillar area of the trunk and install terminal J and connector F. Plug into connector F in location shown on Sheet 1. (Note: a factory dome lamp harness will also plug into this connector, if you are not replacing the headliner at this time.) Install the loose white wire S (supplied with terminal installed) into the dome lamp. Route this wire to connector F (on white wire) location and trim to length. Install terminal C and connector E, maintaining color continuity with the white wire in connector F.
O	WHITE Courtesy ground At the driver's side kick panel area, cut this wire an double it with the cut off portion using terminal D, and plug into connector E maintaining color continuity with the mating connector in the courtesy lamp kit (bag N).
P	ORANGE Courtesy Lamp If you are using a dome lamp, route the loose end of this wire to the rear pillar area of the trunk and install terminal J and connector F. Plug into connector F in location shown on Sheet 1. (Note: a factory dome lamp harness will also plug into this connector, if you are not replacing the headliner at this time.) Install the loose orange wire S (supplied with terminal installed) into the dome lamp. Route this wire to connector F (on orange wire) location and trim to length. Install terminal C and connector E, maintaining color continuity with the orange wire in connector F.
Q	TAN Fuel Pump This wire can be used if you are using an electric fuel pump. Plug the terminated end into the 6 way power disconnect on the dash harness, maintaining color continuity with the tan wire in the mating connector. Route the other end to a fuel pump relay (not included in this kit, but available from American Autowire).
R	
S	
T	
U	
V	



If you have a 1970-72 model Camaro, plug this console rear courtesy lamp extension into the mating connector at location #13 on page #3 on your dash harness (510033).



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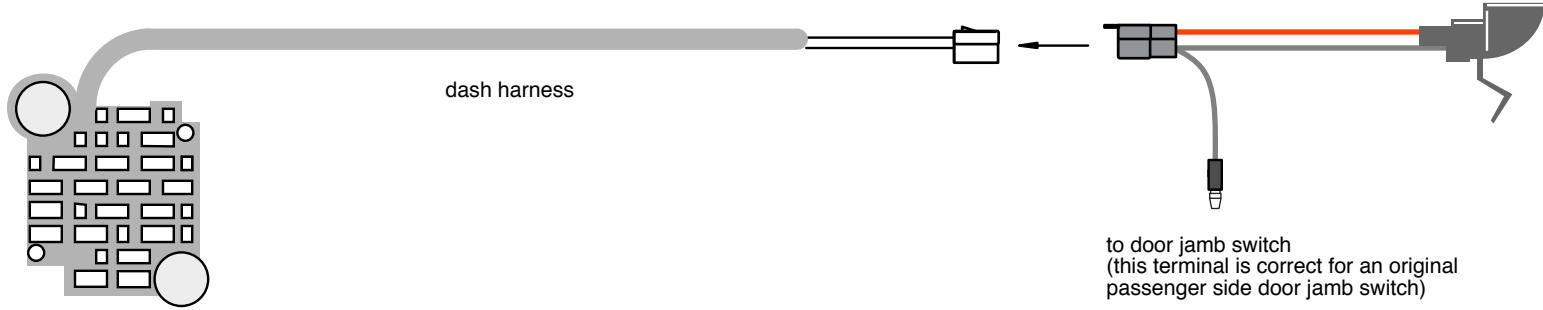
Classic Update Series  
1970-73 Camaro

bag  
**K**

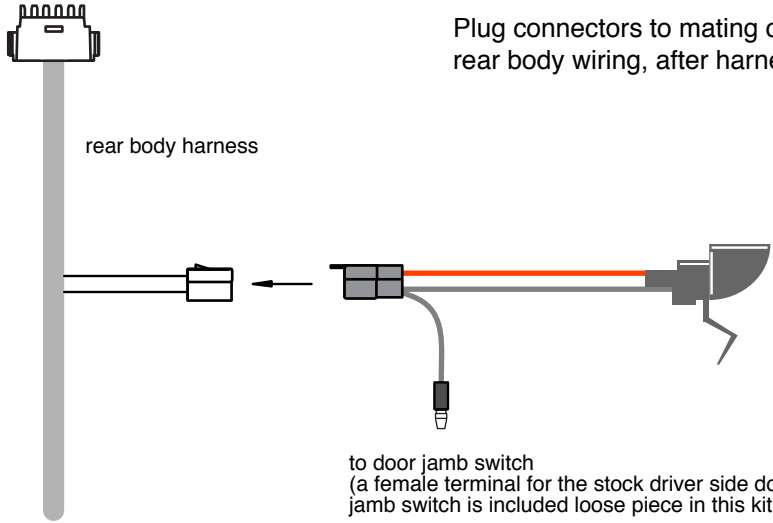
Console Courtesy  
Lamp Connection Kit

**510043**

92968501 instruction rev 1.0 2/12/2012



Plug connectors to mating orange/white wires on the dash and rear body wiring, after harnesses have been installed.



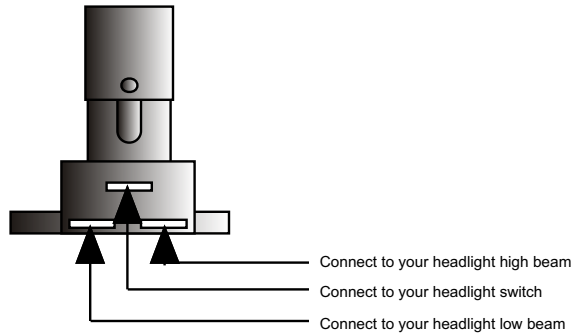
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Autowire**

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**NOTE:** Your new underdash courtesy lamp kit uses # 631 bulbs (not included with this kit). They may be purchased at any auto parts store.

PART #	<b>500708</b>	<b>N</b>
DESCRIPTION:	<b>Courtesy Lamp Kit</b>	
92966085	Rev 1.0	8/16/2013





Connect the Dimmer Switch wires as shown above.

1. The top center terminal of the Dimmer Switch is connected to the Headlight switch.
2. The terminal on the right side is connected to your headlight high beam terminal.
3. The terminal on the left side is connected to your headlight low beam terminal.

another wiring product by...



150 Heller Pl #17 W Bellmawr, NJ 08031 856-933-0801

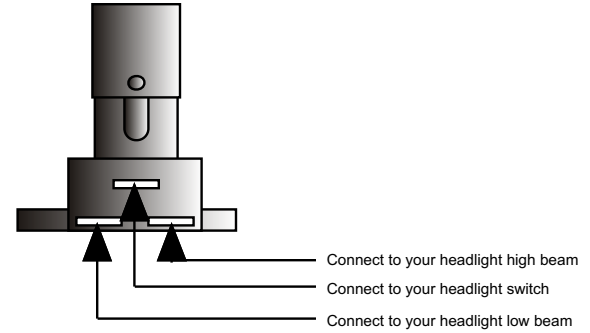
PART #

**500042**

DESCRIPTION:

**DIMMER SWITCH**

92964573 instruction sheet Rev 3.0 6/29/99



Connect the Dimmer Switch wires as shown above.

1. The top center terminal of the Dimmer Switch is connected to the Headlight switch.
2. The terminal on the right side is connected to your headlight high beam terminal.
3. The terminal on the left side is connected to your headlight low beam terminal.

another wiring product by...



150 Heller Pl #17 W Bellmawr, NJ 08031 856-933-0801

PART #

**500042**

DESCRIPTION:

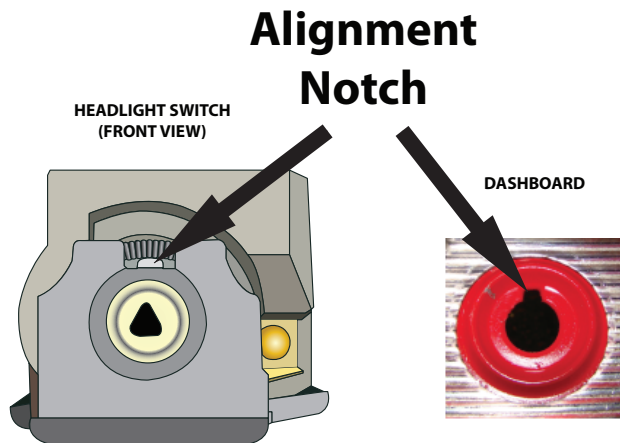
**DIMMER SWITCH**

92964573 instruction sheet Rev 3.0 6/29/99

Most switches supplied with Classic Update and Universal Kits ship with the shaft pre-installed. In many instances, the switch can be installed without removing the shaft, but in some cases the switch shaft may need to be trimmed to fit your specific dash. In this situation, reference Trim to Fit instructions on the back of this page for details.

### To install your new headlight switch:

1. Install the switch from behind the dash, and align the switch body with the mounting hole. The switch body has an alignment tab that must line up with the notch in the dashboard mounting hole.

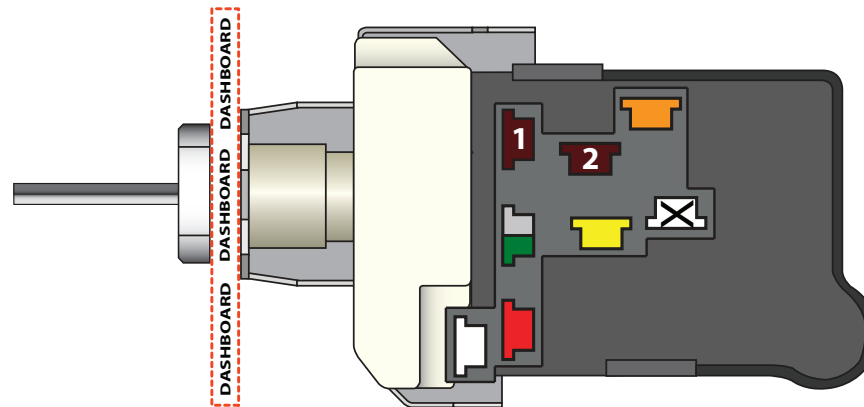


2. Install the switch mounting nut and tighten.

3. Gently press shaft into switch until it stops, then press firmly until it “clicks.” Pull shaft back out to confirm it is seated correctly. The shaft should be locked into place inside switch.

4. If the shaft does not lock, reinsert applying moderate pressure and slowly move shaft side to side for lock to engage. Make sure switch body is still supported to prevent flexing. Press shaft firmly until it clicks into place.

5. Ensure the shaft is fully seated and in the off position.



<b>1</b>	Parking Lights - Stay on with headlights
<b>2</b>	Tail Lights - On in the park and headlight positions
	Fused Battery Feed - For park, tail and dash lamps
	Headlight Feed - Power to the headlight dimmer switch
	12V Battery Feed - Unfused power to the switch for headlights
	Courtesy Ground - Ground feed to the dome and courtesy lights
	Part-Time Parking Lights - Turns off when the headlights are on (Not supported by all kits)
	OR



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PART #

**500332**

DESCRIPTION:

**Headlight Switch**

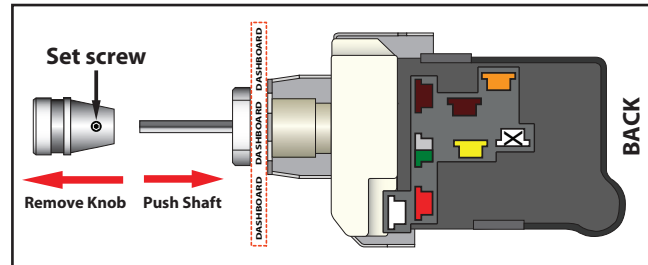
92964649 Rev 3.0 1/3/2020

## To Trim Shaft to Fit or Remove Shaft:

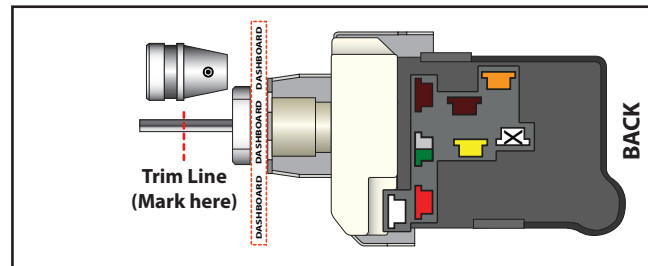
The headlight shaft knob should extend from the face of the mounting nut, and must allow enough clearance for the switch to turn off. If the shaft is longer than necessary for your specific dash it can be trimmed to fit. Always trim the knob end of the shaft only and follow the guidelines below for best results.

1. With the headlight switch installed, loosen the set screw and remove the knob. Make sure the switch is in the "off" position by pushing the shaft toward the back of the switch.

**Switch in OFF position**  
(shaft pushed all the way in)



2. Set knob alongside shaft and mark the desired location for cutting on the shaft.



3. Remove the shaft and trim at mark. The shaft can be released from the switch by pulling it outward (toward the rear of the vehicle). Once fully in the "On" position, press and hold the release button on the base of the switch body. Once button is pressed, continue to pull the shaft outward. New switches may be tight, and it might be necessary to move the shaft side to side slightly while pulling to release.

