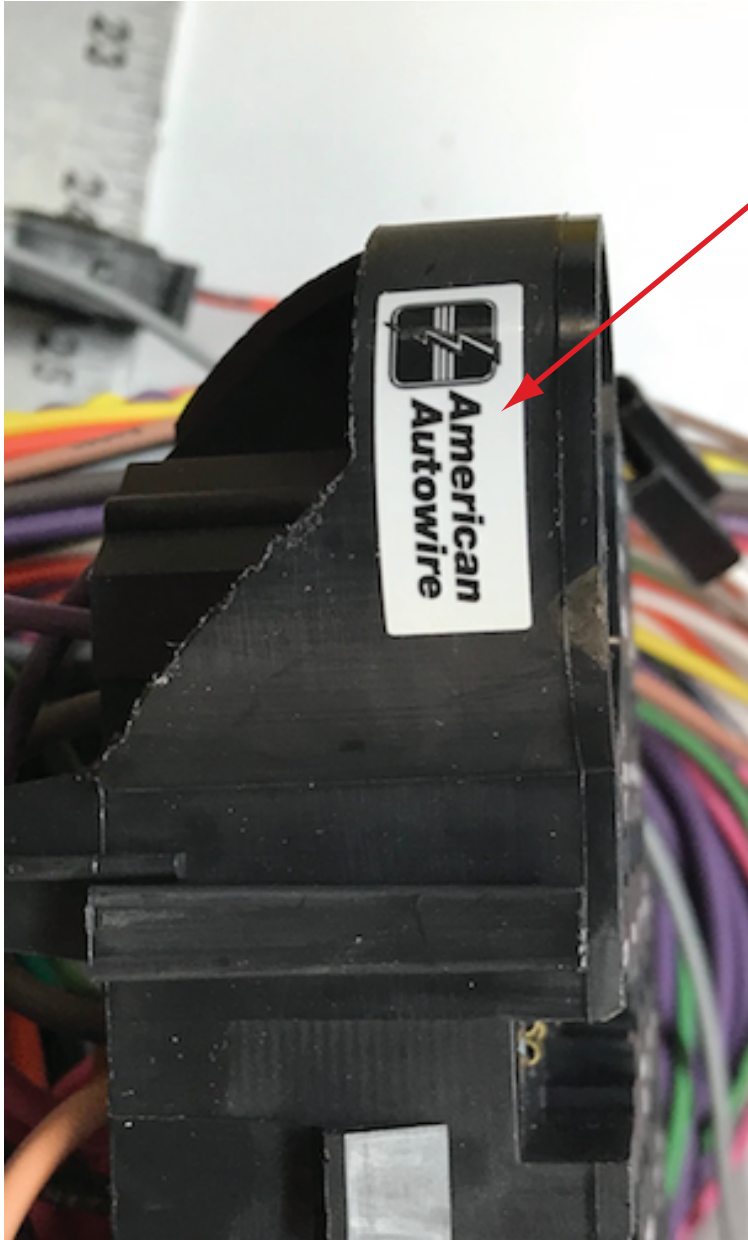


NOTE: If the fuse panel on your 510174 70-73 Firebird kit **DOES NOT** have a sticker like the photo at the left, you have the first design harness and your instructions are listed below and follow this page.



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 Wiring kit
510042	Rear Body Wiring kit
510229	70-73 Firebird Cluster and lighting Ext.
500042	Floor Dimmer Switch
92968485	Kit Introduction Instruction Sheet
92969400	Firebird Supplemental Instruction Sheet
92970013	Warning Sheet



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70-73 Firebird
First Design
Instructions

92972877 rev. 0.0 1/27/2020



WARNING: This harness 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 any component has been installed, the kit is not returnable.

1. This kit should typically be used in a **MODIFIED** application only.
2. This kit only supports the use of a higher current self-exciting 1 wire, or other style internally regulated alternator. An adapter may be necessary for certain 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.
3. This kit is wired for use with a factory heater only system or for use with any aftermarket A/C and heating system. This kit **WILL NOT** support the use of the factory A/C system on any 1970-73 Firebird models. These cars each used a specialized engine harness which included a compressor extension connection that was built into that harness. In addition, each year and application used a specialized engine side and dash side A/C harness that was also unique to each of the stock configurations.
4. 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 both the start and run positions. It will support HEI, MSD, other electronic ignition systems, as well as 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 that are not included in this kit will be required to complete that operation.



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510174

92970013 instruction sheet Rev 1.0 3/1/2016

510174 - Classic Update Series Kit 1970-73 Pontiac Firebird

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
	510043	Console Wiring kit	1
H	510044	Dash Cluster wiring kit	1
	510229	1970-73 Firebird Cluster and Lighting Ext.	1
	92968485	Instruction Sheet, 1970-73 Camaro	1
	92969400	Instruction Sheet, 1970-73 Firebird	1
	92970013	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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510174

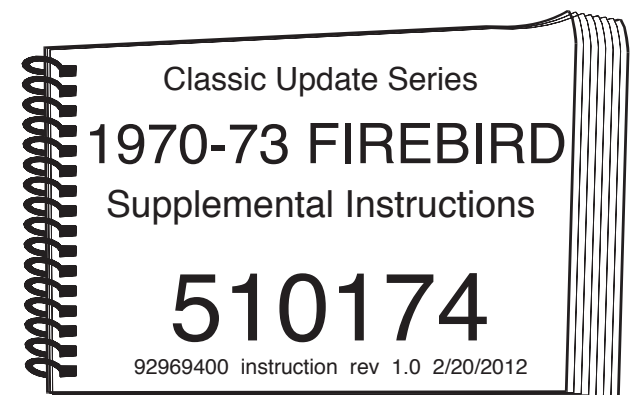
92970013 instruction sheet Rev 1.0 3/1/2016

On the following pages, you will find many detailed, specialized instructions that will help you install the dash, cluster, front light, and rear body harnesses from our '70-73 Camaro Classic Update Kit into your '70-73 Pontiac Firebird. These instructions along with the specialized harnesses and parts from our 510229 Cluster and Lighting Extension kit will need to be used in conjunction with the corresponding instructions and parts from the 510033 dash, 510044 cluster, 500671 front light, and 510042 rear body kits. These modifications include specialized front parking lamp connections, specialized rear body tail lamp and backup lamp connections, as well as specialized dash cluster connections.

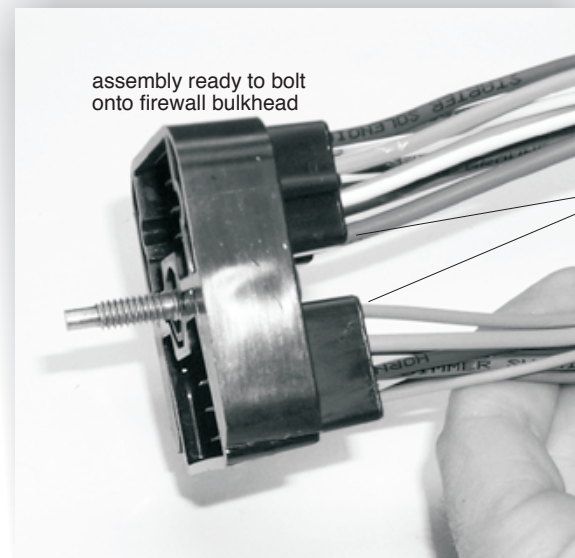
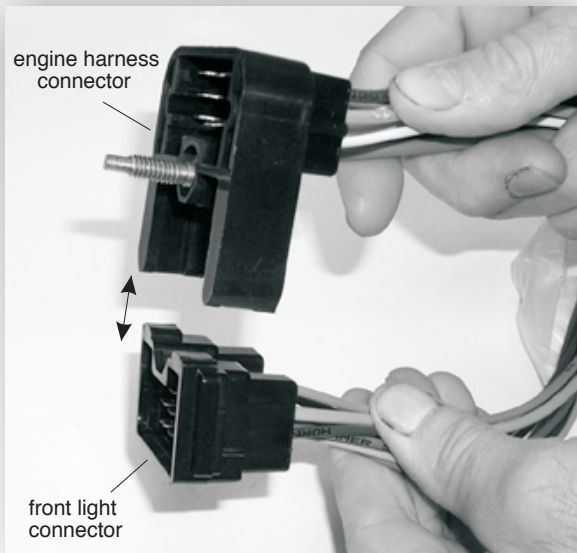


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Classic Update Series



apply silicone sealant to back side of connector after installing terminals

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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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”

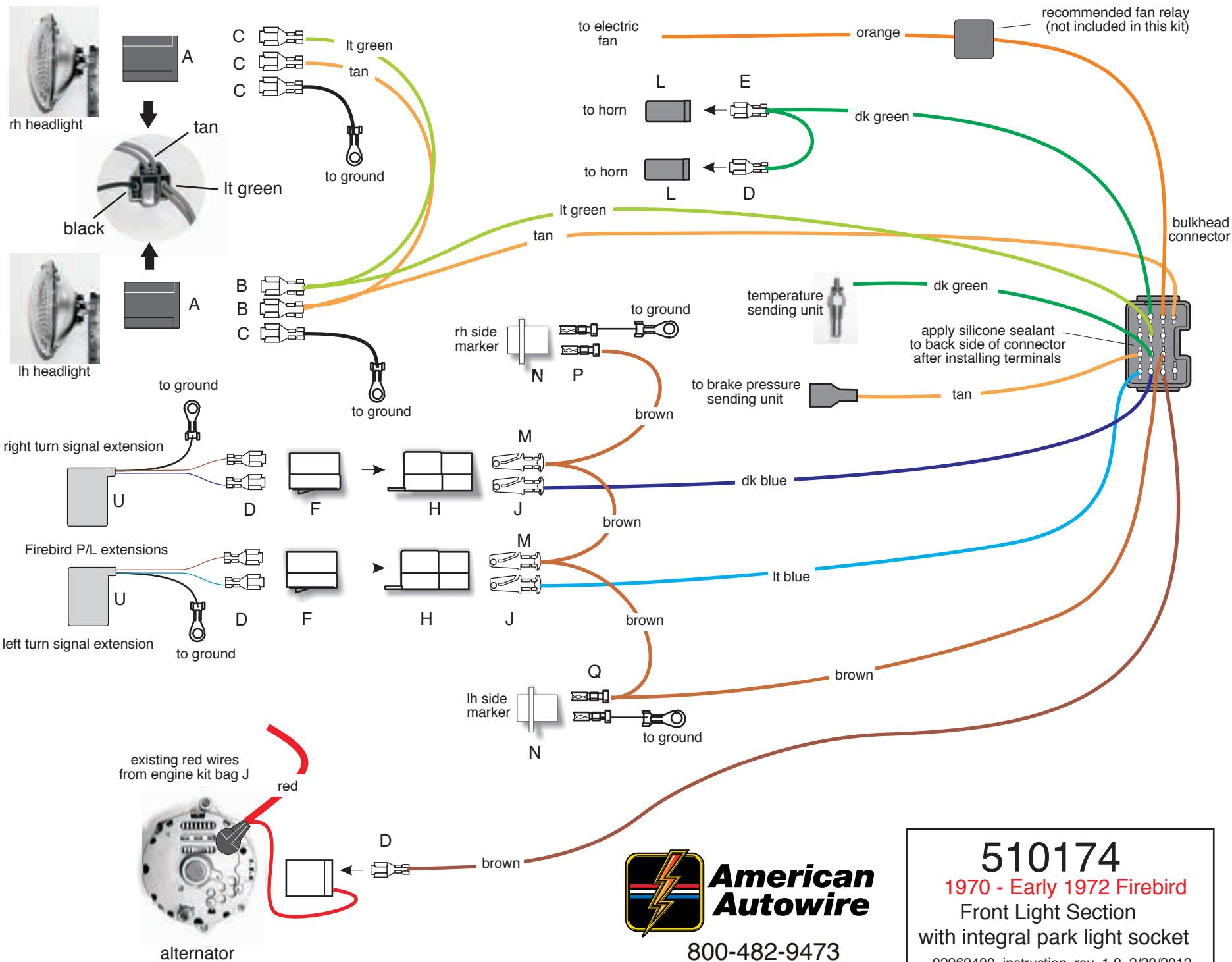


1967-73 Camaro All
1968-72 Nova All



1967-68 Firebird (only)

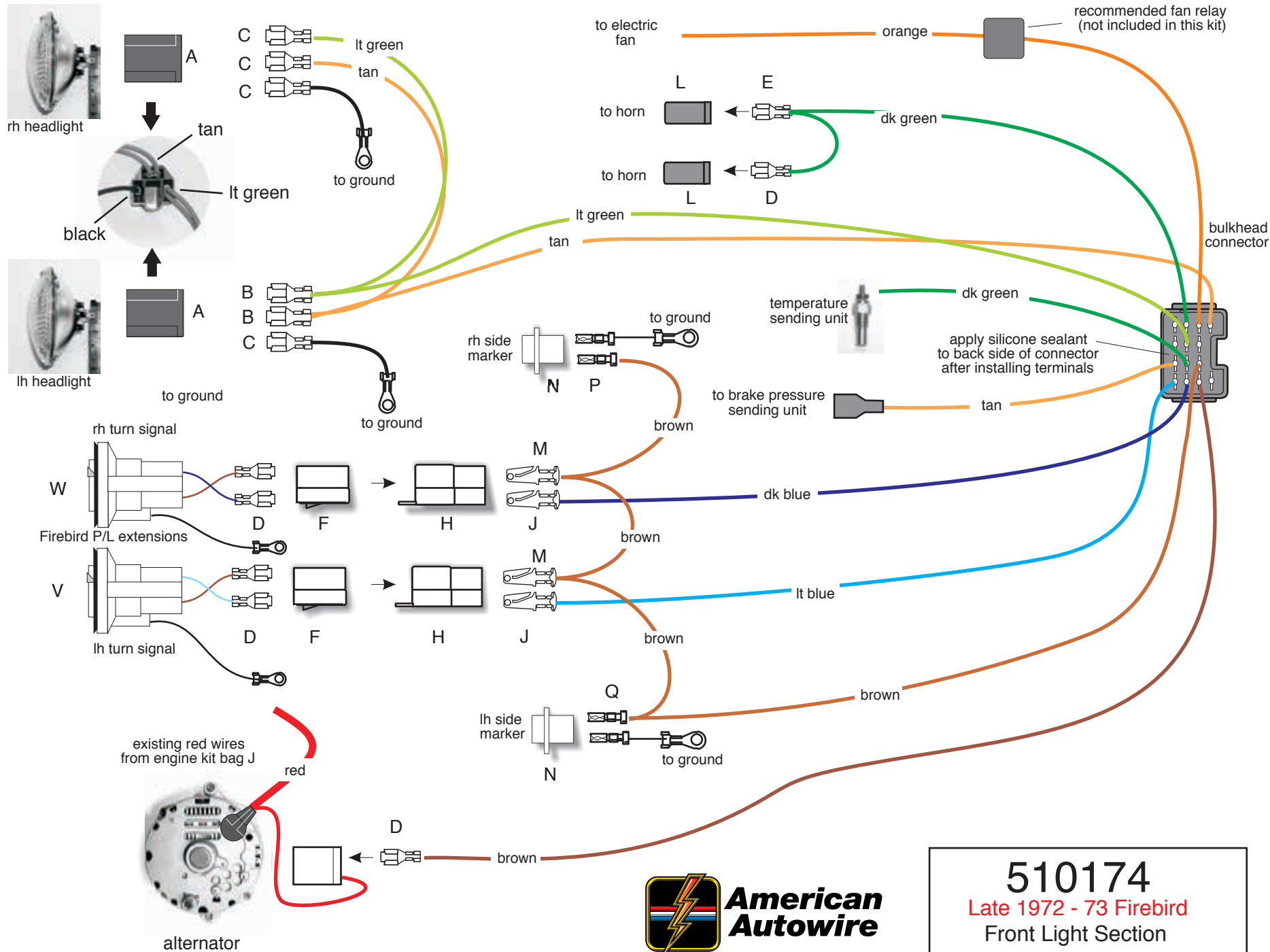
Classic Update Series



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510174
1970 - Early 1972 Firebird
Front Light Section
with integral park light socket
92969400 instruction rev 1.0 2/20/2012

Classic Update Series



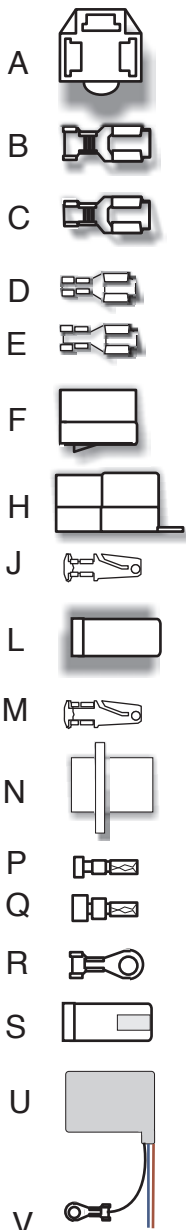
recommended fan relay (not included in this kit)

bulkhead connector

510174
 Late 1972 - 73 Firebird
 Front Light Section
 with separate park light socket
 92969400 instruction rev 1.0 2/20/2012



800-482-9473



PARKING LAMP WIRES

C	LT BLUE	LH turn
D	DK BLUE	RH turn
E	BROWN	Parking Lamp

1970-73 Firebird Front Lighting

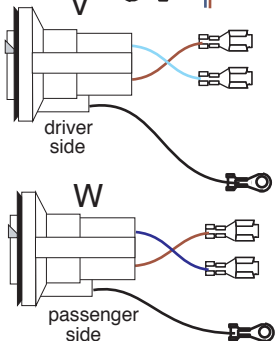
Connect the bulkhead connector from this kit onto the bulkhead connector from the engine kit (bag J), and bolt to the firewall dash bulkhead.

Route this wire to the LH turn signal lamp and install terminal J and plug into connector H, as shown on sheet 2.

Route this wire to the RH turn signal lamp and install terminal J and plug into connector H as shown on sheet 2.

Route this wire to the LH side marker lamp and cut to length. Double this wire with the cut off portion, and install terminal Q. Plug into connector N. Also plug the pre-assembled black ground wire into connector N, as shown on sheet 6. 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 and install terminal M and plug into connector H, along with the LT Blue wire from above. 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 and install terminal M. Plug this terminal into connector H, along with the DK Blue wire above. Route the remaining brown wire to the RH side marker and trim to length. Install terminal P and plug into connector N. Also plug the pre-assembled black ground wire into connector N, as shown on sheet 6.

NOTE: For 1970 - early 1972 cars see sheet 2. The running and directional light assemblies used a socket and connector assembly that was integral to the lamp itself. These cars used a rubber molded connection on the forward lamp harness that pushed onto that socket and connector assembly. Connector and wire pigtails U have been provided for you to make these connections. Take note that there are 2 different color pigtails U included, one with a dk. blue wire in it (RH), and one with a black with lt. blue stripe wire in it (LH). Install terminals D onto these pigtails, plug them into connector F maintaining color continuity with the main parking lamp connections from above, then plug connector F into connector H. Attaching the ring terminals that have been installed onto the black wires of these lamp socket assemblies to a good chassis ground will complete the parking and turn signal circuits. **For late 1972 & 73 cars see sheet 3.** The running and directional light assemblies used a housing that had a separate twist in lamp socket that was part of forward lamp harness assembly. Lamp socket assemblies V (driver side) and W (passenger side) have been provided for you to make these connections. Install terminals D onto these lamp socket assemblies, plug them into connector F maintaining color continuity with the main parking lamp connections from above, then plug connector F into connector H. Attaching the ring terminals that have been installed onto the black wires of these lamp socket assemblies to a good chassis ground will complete the parking and turn signal circuits.



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1970 - 73 Firebird

Front Light Section

92969400 instruction rev 1.0 2/20/2012

1970-73 Firebird Front Lighting

FRONT LIGHT WIRING

TAN (heavy gauge)	Lo Beam	Route this wire to the driver side headlight and trim to length. Double this wire with the cutoff portion, install terminal B, and plug into connector A in the location shown on sheet 2 or 3. Route the remaining portion of this TAN wire to the passenger side headlight and trim to length, install terminal C, and plug into connector A in the location shown on sheet 2 or 3.
LT GREEN	Hi Beam	Route this wire to the driver side headlight and trim to length. Double this wire with the cutoff portion, install terminal B, and plug into connector A in the location shown on sheet 2 or 3. Route the remaining portion of this LT GREEN wire to the passenger side headlight and trim to length, install terminal C, and plug into connector A in the location shown on sheet 2 or 3.
BLACK	Ground	Install terminal C and plug into connector A at the driver side headlamp as shown on sheet 2 or 3. Repeat this process for the passenger side headlamp assembly.
DK GREEN	Horn	Route this wire to the horns, cut to length, double it with the cutoff portion, install terminal E, and plug into connector L as shown on sheet 2 or 3. Route the remaining portion to the second horn, cut to length, install terminal D, and plug into connector L as shown on sheet 2 or 3.
ORANGE	Electric Fan	Route to the electric fan, and connect per manufacturer's instructions. NOTE: We recommend that this wire be used as the trigger wire for the electric fan relay.
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).
BROWN	Alternator Regulator	Route this wire to the alternator and cut to length. Install terminal D and plug into the off white regulator connector as shown on sheet 2 or 3. (Connector previously installed from the engine kit, P/N 500668 bag J). NOTE: This wire is only used on an alternator with an internal regulator which uses an exciter wire. If you are using a true one wire alternator, then this BROWN wire can be removed and not used.

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.



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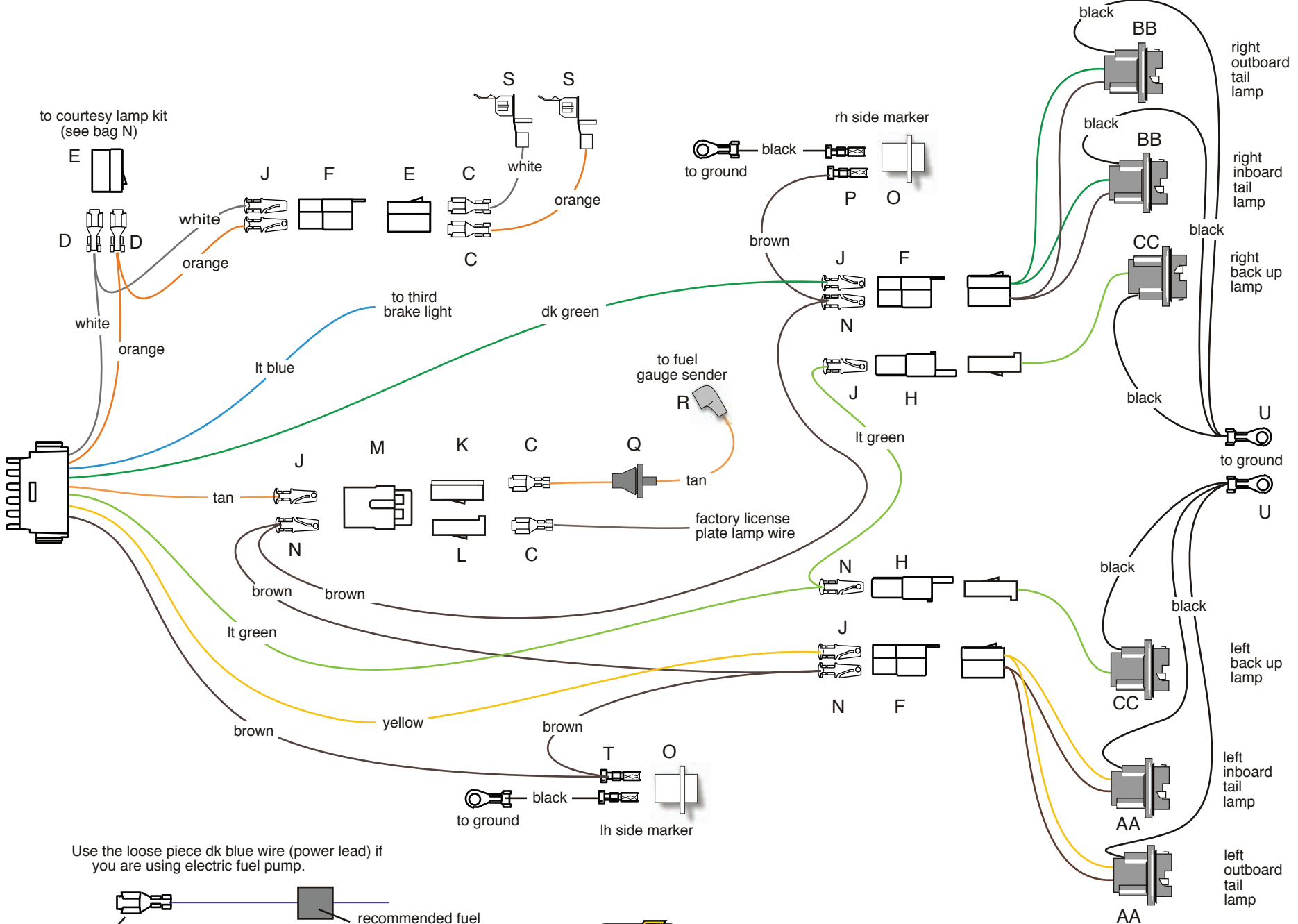
510174

1970 - 73 Firebird

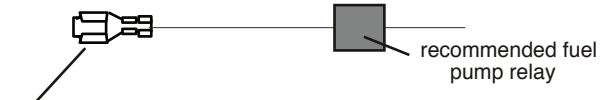
Front Light Section

92969400 instruction rev 1.0 2/20/2012

Classic Update Series



Use the loose piece dk blue 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.

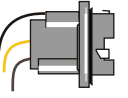
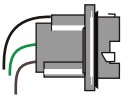
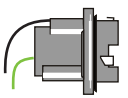


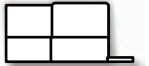




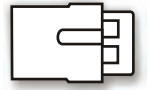


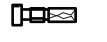
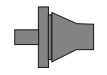
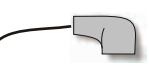
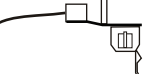




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510174
 1970 - 73 Firebird
 Rear Body Section
 92969400 instruction rev 1.0 2/20/2012

1970 - 73 Firebirds Rear Body

<p>Connect the main connector to the mating connector on the dash harness 510033 bag G. Route this harness along door sill and into trunk.</p>				
AA		LIGHT BLUE TAN	Third brake light Fuel signal	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 6.
BB		TAN	Fuel tank lead	Plug the rubber end of this wire R onto the sending unit on fuel tank. Route the wire (with rubber end) to the stock feed thru hole under fuel tank filler and install rubber grommet Q in direction shown on sheet 6. 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.
CC				
C				
D				
F		BROWN	Parking lamps	Route this wire to the left side marker and trim to length. Double this wire with the cut off portion, install terminal T, and plug into lamp socket O. Route the loose end to the LH tail lamp, cut to length, double this wire with the cut off portion using terminal N and plug it into connector F in location shown on Sheet 6. Route the loose end to connector M (from the tan wire above), cut to length, double this wire with the cut off portion, install terminal N, and plug it into connector M in location shown on sheet 6. Route the loose end to the RH tail lamp, cut to length, double this wire with the cut off portion using terminal N and plug into connector F, in location shown on Sheet 6. Route the remaining portion of this wire to the RH side marker, install terminal P, and plug into lamp socket O.
H				
J				
K		BROWN	License Lead	Your existing license plate lamp wire will plug into connector M. (Note: Terminal C and connector L have provided for you to make this connection.)
L		BLACK	Side marker ground	There are two loose black wires in this kit. Plug each into the rear side markers (lamp socket O). Route the ring terminal end of black wires to the rear panel support (near fuel tank filler) and attach to ground.
M		YELLOW	LH Stop / Tail	Route this wire to the LH tail lamp, cut to length, install terminal J and 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.
N		DK GREEN	RH Stop / Tail	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.
O				
P				
Q				
R				
S				
T				
U				
		LIGHT GREEN	Back up lamp feed	Route this wire to the LH back up lamp, trim to length, install terminal N and plug into connector H as shown on sheet 6. Route the remaining portion of the LT GREEN wire over to the RH back up lamp, trim to length, install terminal J and plug into connector H as shown on sheet 6.
		WHITE	Courtesy ground	At the driver's side kick panel area, cut this wire, 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 (500708 bag N). If you are using a dome lamp, route the loose end of this wire to the rear pillar area of the trunk, install terminal J and plug into connector F in location shown on Sheet 6. (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 the other end of this wire to connector F (on white wire) location and trim to length. Install terminal C and plug into connector E, maintaining color continuity with the white wire in connector F.

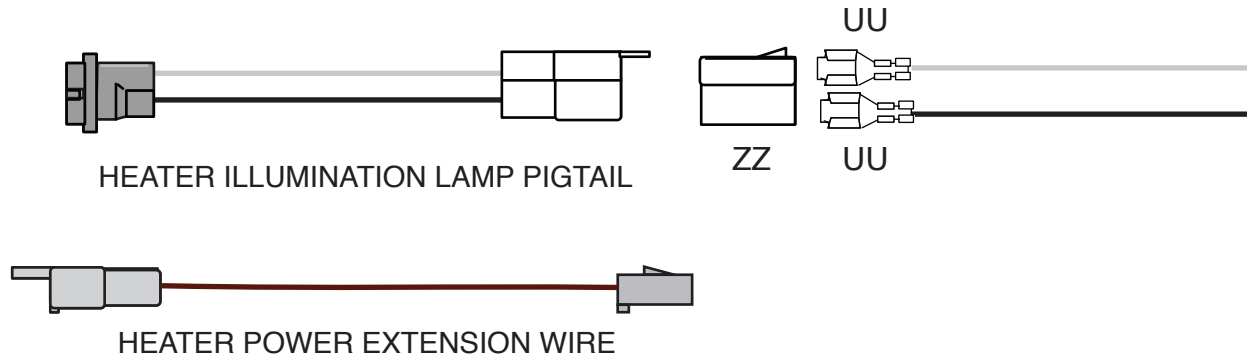
NOTE: You have been provided with LH tail lamp (AA) and RH tail lamp (BB) pigtail assemblies which have already been assembled for you. Be certain to maintain the color orientation of the yellow/brown and dk. green/brown tail lamp connections when installing the main rear body harness as outlined below. Once you have assembled the main rear body harness, simply plug in the corresponding pigtail assemblies AA or BB as shown on sheet 6 to complete your stop/tail lamp connections.

NOTE: You have been provided with LH and RH back up lamp pigtail assemblies which have already been assembled for you. Once you have assembled the main rear body harness from above, simply plug in the corresponding pigtail assemblies CC as shown on sheet 6 to complete your back up lamp connections.

1970 - 73 Firebirds Rear Body (cont'd)

ORANGE	Courtesy Lamp	At the driver's side kick panel area, cut this wire, 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 (500708 bag N). If you are using a dome lamp, route the loose end of this wire to the rear pillar area of the trunk, install terminal J and plug into connector F in location shown on Sheet 6. (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 the other end of this wire to connector F (on white wire) location and trim to length. Install terminal C and plug into connector E, maintaining color continuity with the orange wire in connector F.
DK BLUE	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 dk blue wire in the mating connector. Route the other end to a fuel pump relay (not included in this kit, but available from American Autowire).

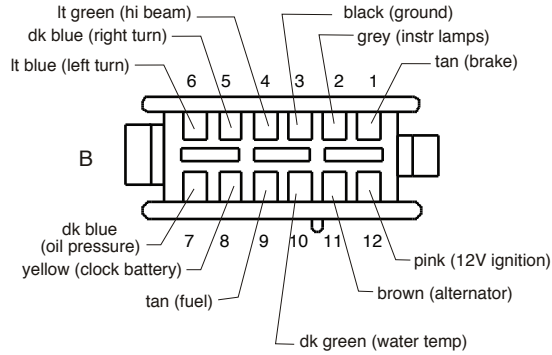
1970 - 73 Firebirds Misc. Dash Connections



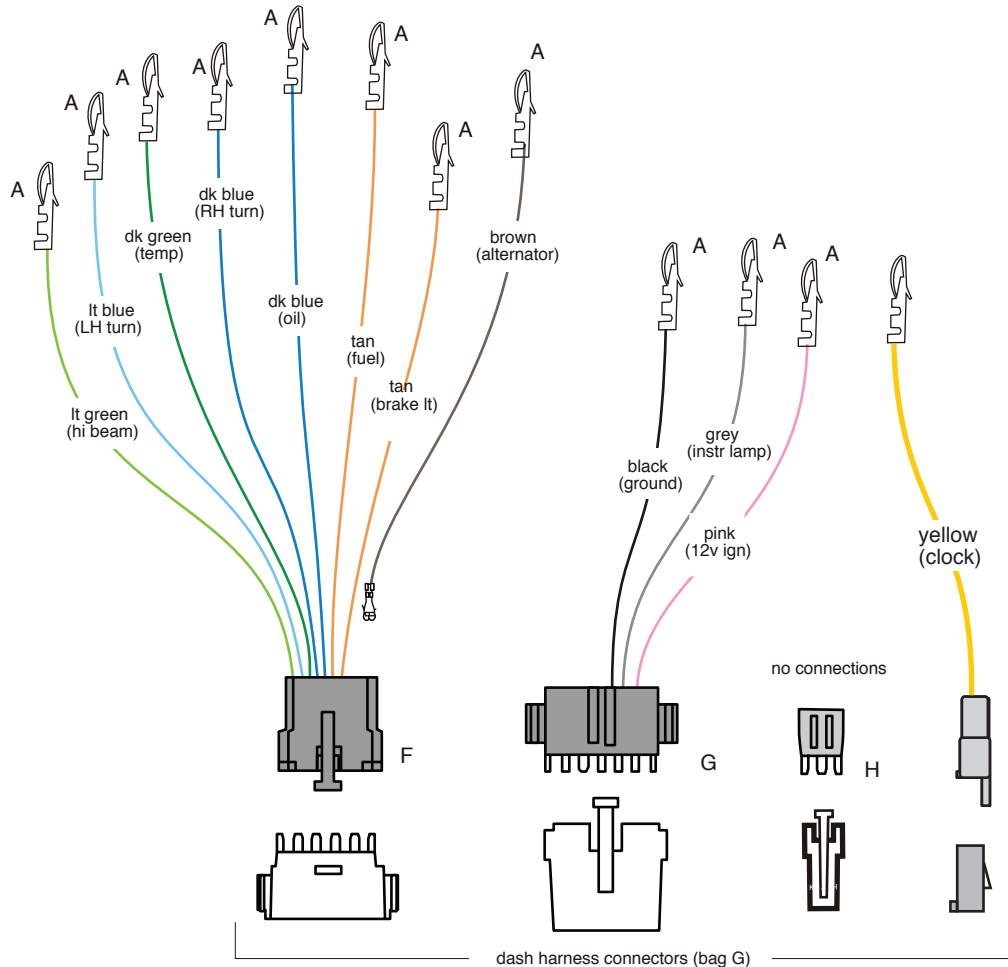
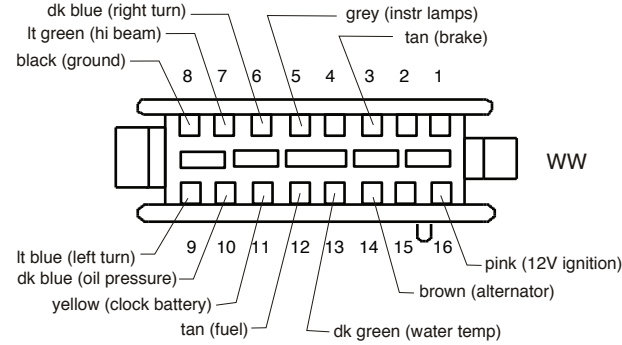
On the 1970-73 Firebird models, the heater harnesses were always serviced as a separate harness and simply plugged into a main power feed on the dash harness. We have included a brown power wire extension assembly in this kit to plug onto the main Camaro dash harness (510033). Use your instruction sheet 510033, page 2, branch 2, item # 11 and plug the brown power wire extension onto the Camaro dash harness at that location. This will extend your heater and A/C power feed wire over to the proper location for a Firebird. If you need a new heater harness, contact our Sales office for the proper harness for your application. If you are running aftermarket heat or A/C, this will be you main keyed power source for that system. In addition to this power feed, there is also an illumination lamp at the same location of the main Camaro dash harness on the opposite side from the power feed wire. Cut the lamp socket off of black and gray wires, install terminals UU on each wire, then plug them into connector ZZ maintaining color continuity with enclosed heater lamp pigtail from above. Plug the pigtail assembly into this connection to extend your heater and A/C illumination lamp over to the proper location for a Firebird.

USE THIS SHEET TO CONNECT TO AN ORIGINAL FACTORY WARNING LAMP INSTRUMENT CLUSTER WITH A CIRCUIT BOARD CONNECTION

1970-71 FIREBIRD
CIRCUIT BOARD CONNECTOR
WITH WARNING LIGHTS



1972-73 FIREBIRD
CIRCUIT BOARD CONNECTOR
WITH WARNING LIGHTS

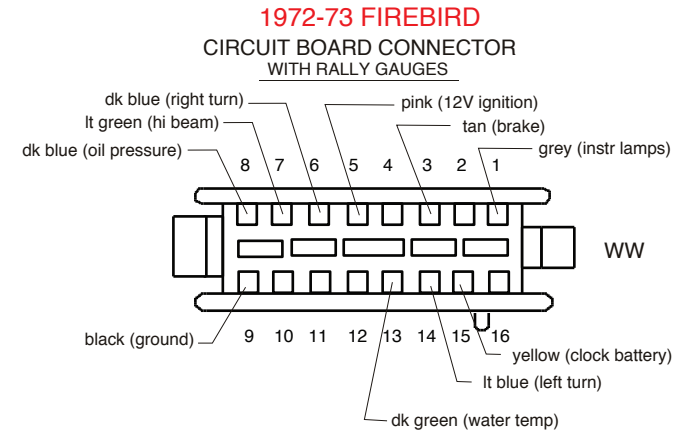
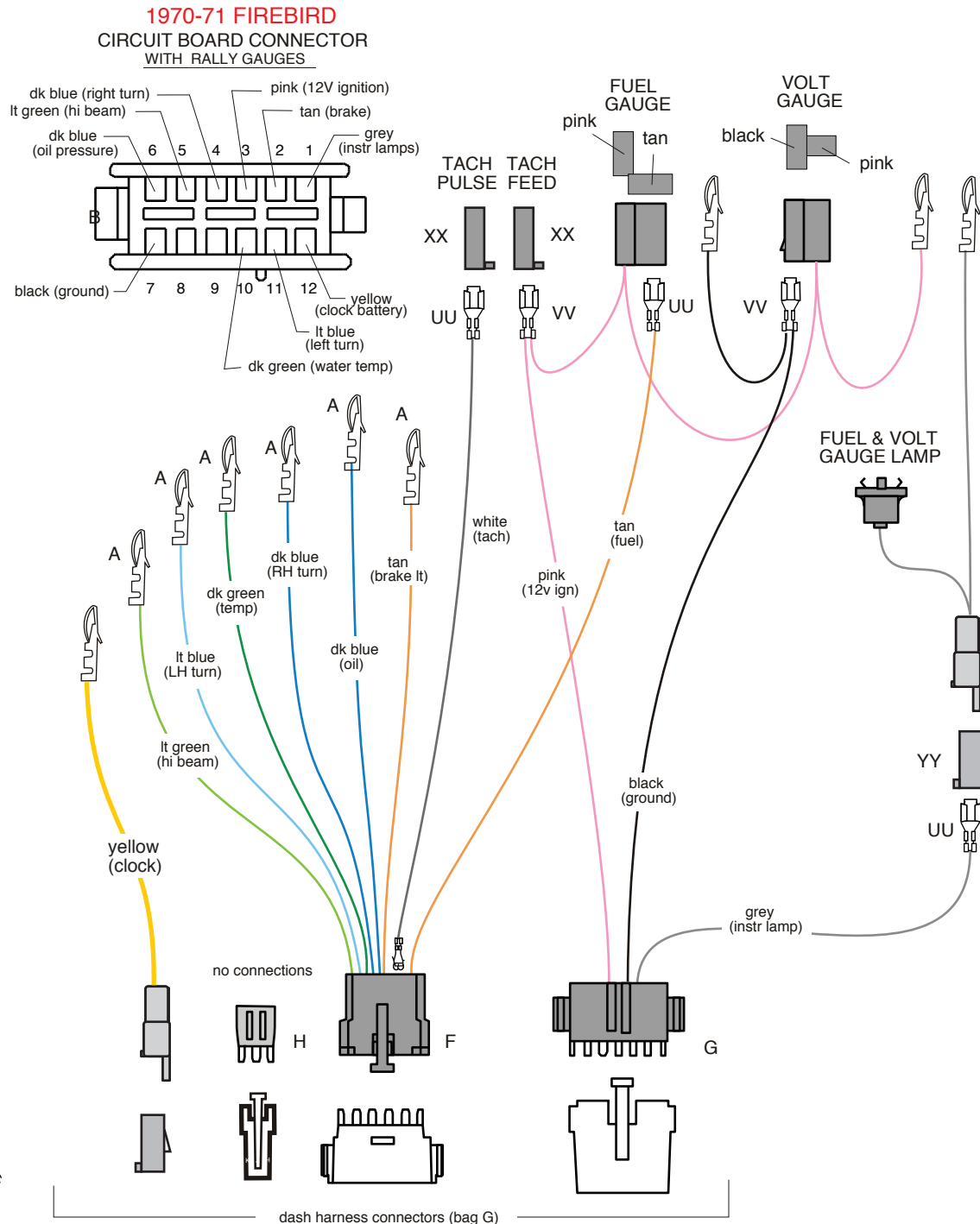


NOTE: In this portion of the kit, you will find connector WW (for 1972-73 applications) and a clock wire assembly that are necessary to complete your dash cluster installation. All other parts necessary to complete this part of your installation will be found in the 1970-3 Camaro cluster connection kit, 510044 (bag H). Use the wire pin-out instructions on this page to complete the connection to your stock Firebird dash cluster assembly with warning lamps.

510174
1970 - 73 Firebird
Dash Cluster Section
92969400 instruction rev 1.0 2/20/2012

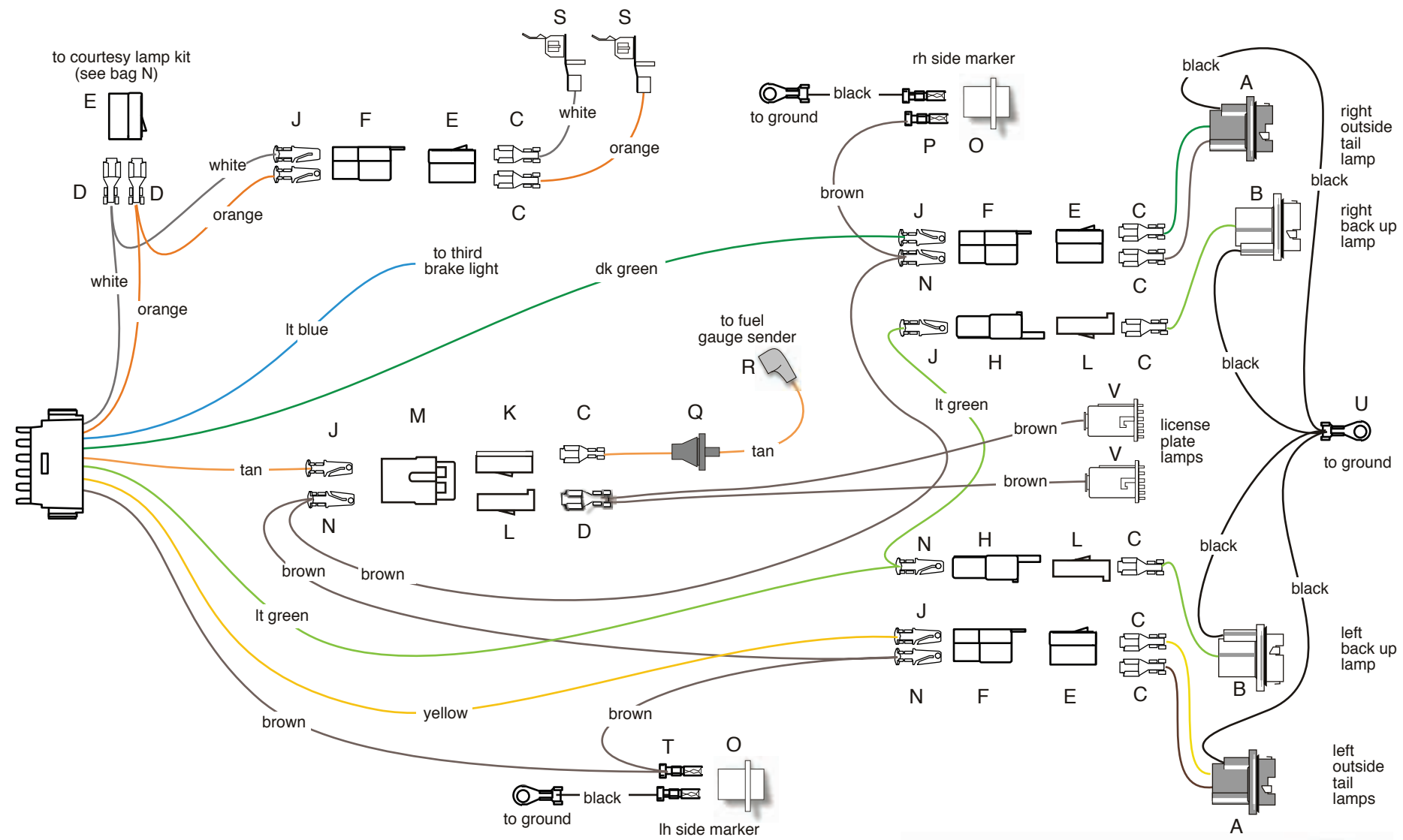
Classic Update Series

USE THIS SHEET TO CONNECT TO AN ORIGINAL FACTORY GAUGE INSTRUMENT CLUSTER WITH A CIRCUIT BOARD CONNECTION



NOTE: In this portion of the kit, you will find connector WW (for 1972-73 applications), a clock wire assembly, a rally gauge wire assembly, and a rally gauge lamp assembly that are necessary to complete your dash cluster installation. There are several loose piece terminals and connectors (UU, VV, XX, YY) that are also included to help complete this portion of the kit. All other parts necessary to complete this part of your installation will be found in the 1970-3 Camaro cluster connection kit, 510044 (bag H). Use the wire pin-out instructions on this page to complete the connection to your stock Firebird dash cluster assembly with factory rally gauges.

510174
1970 - 73 Firebird
Dash Cluster Section
92969400 instruction rev 1.0 2/20/2012



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

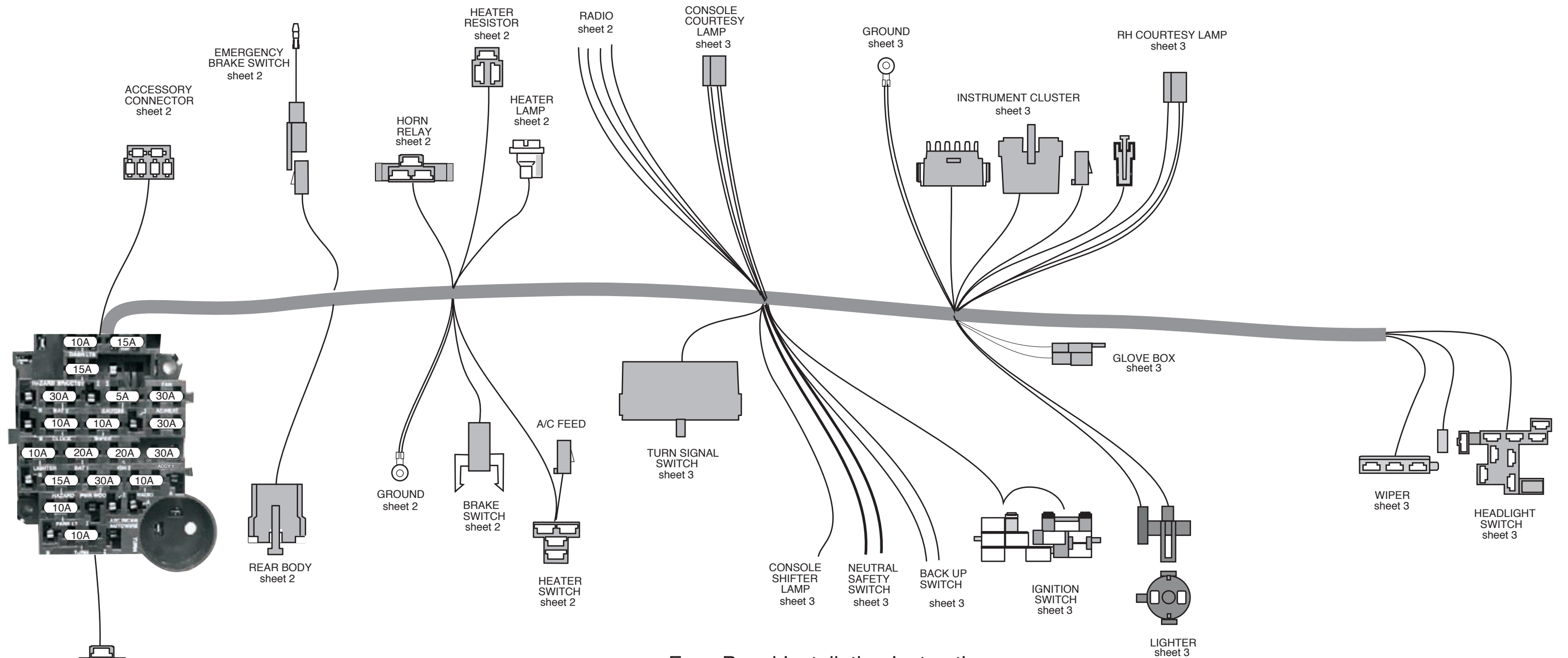
bag M

REAR BODY KIT

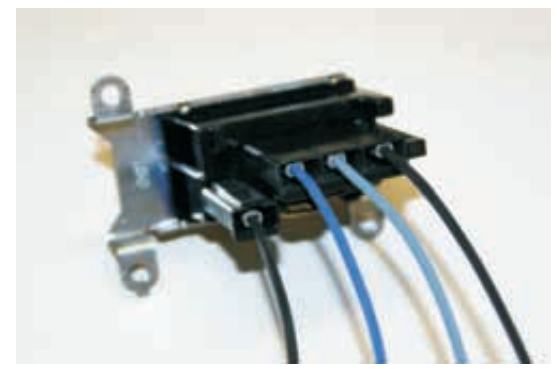
510042

92968497 instruction rev 2.0 6/25/2013

- | | |
|---|--|
| 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 Connect to the third brake lamp, if equipped. |
| C | TAN Fuel signal 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. |
| D | TAN Fuel Tank lead (with rubber end) 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. |
| E | BROWN Parking lamps 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.) |
| F | BROWN License plate 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. |
| G | BROWN License plate 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. |
| H | BLACK Side Marker Ground 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. |
| I | YELLOW LH Stop / Tail 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. |
| J | DK GREEN RH Stop / Tail 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. |
| K | LIGHT GREEN Back up lamp feed 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. |
| L | WHITE Courtesy ground 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). |
| M | 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 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. |
| N | TAN Fuel Pump 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). |
| O | |
| P | |
| Q | |
| R | |
| S | |
| T | |
| U | |
| V | |



DIMMER SWITCH sheet 2



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

Fuse Panel Installation Instructions

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

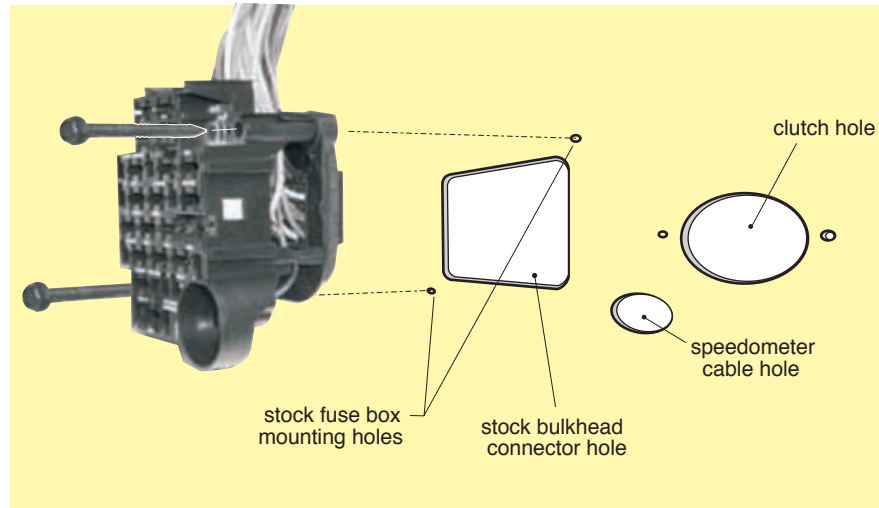
1. Study the diagram above to familiarize yourself with the dash harness.
2. Install the fuse box.
3. Route the dash harness using the factory support straps.
4. Make all connections as shown on the following pages of this dash harness kit.
5. Once this harness is installed, continue to bag 'H', and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



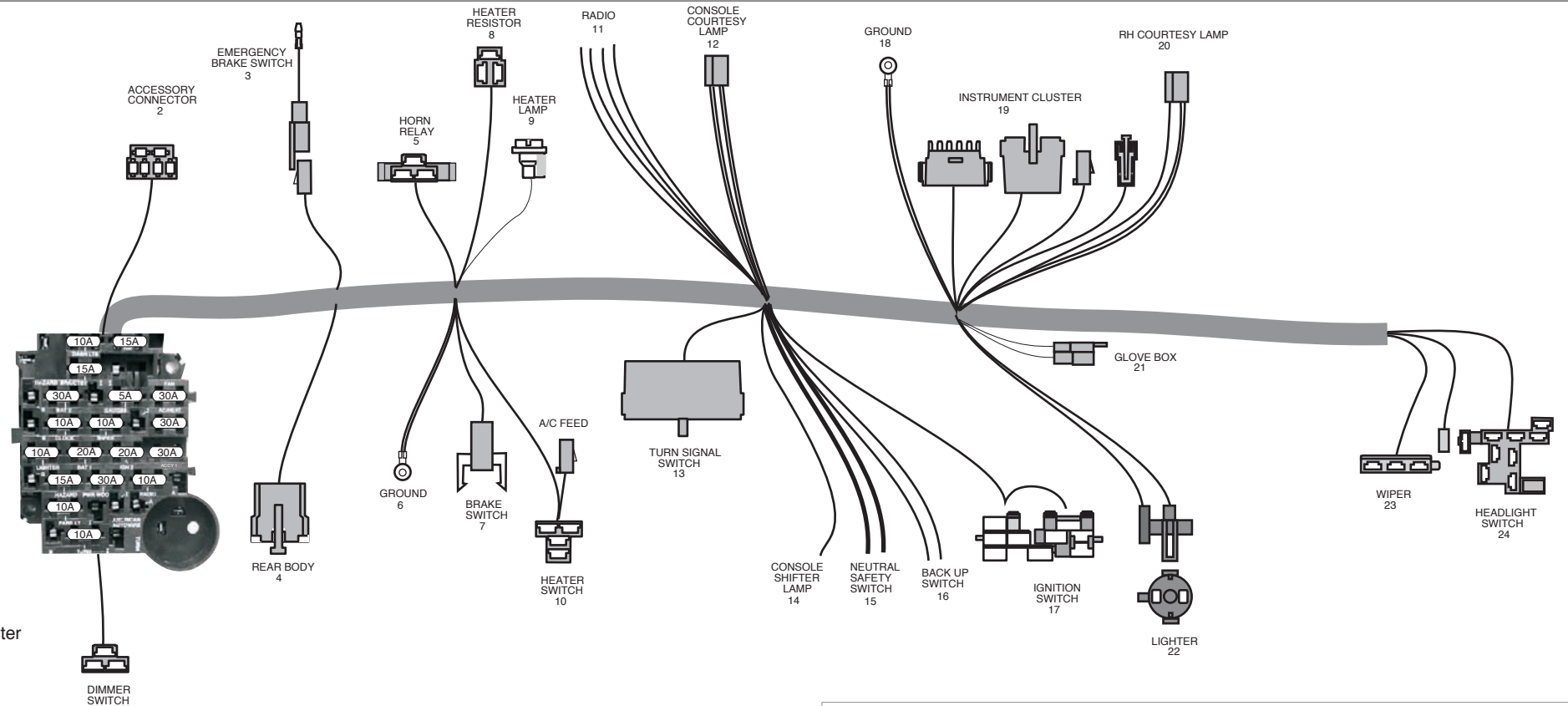
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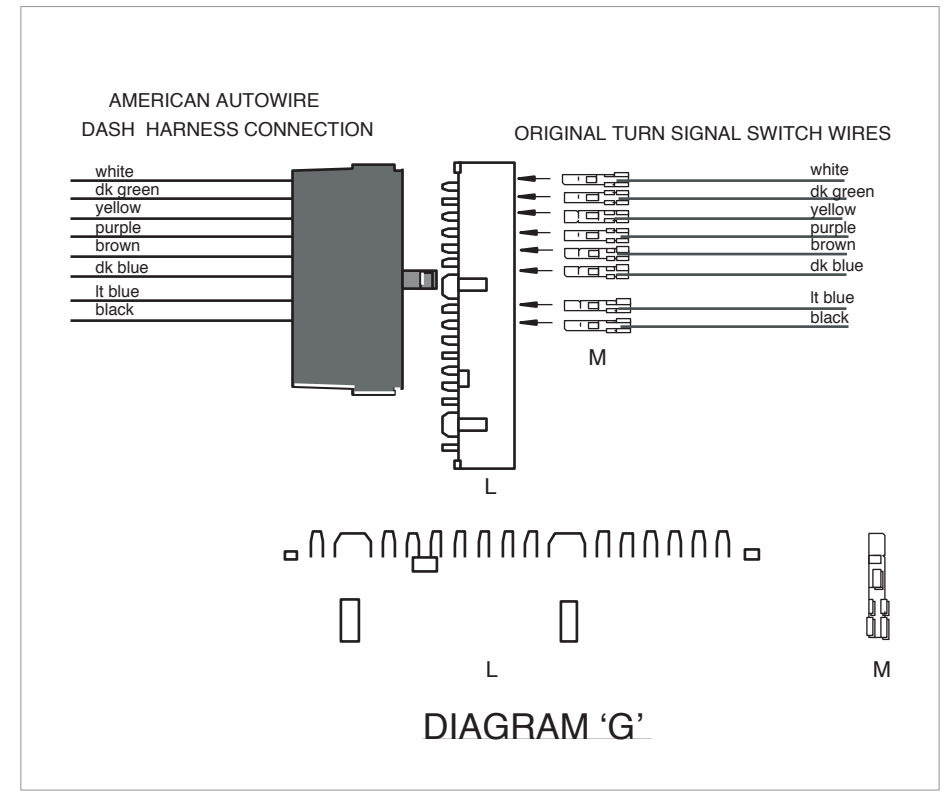
INSTALLING THE FUSE BOX



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.



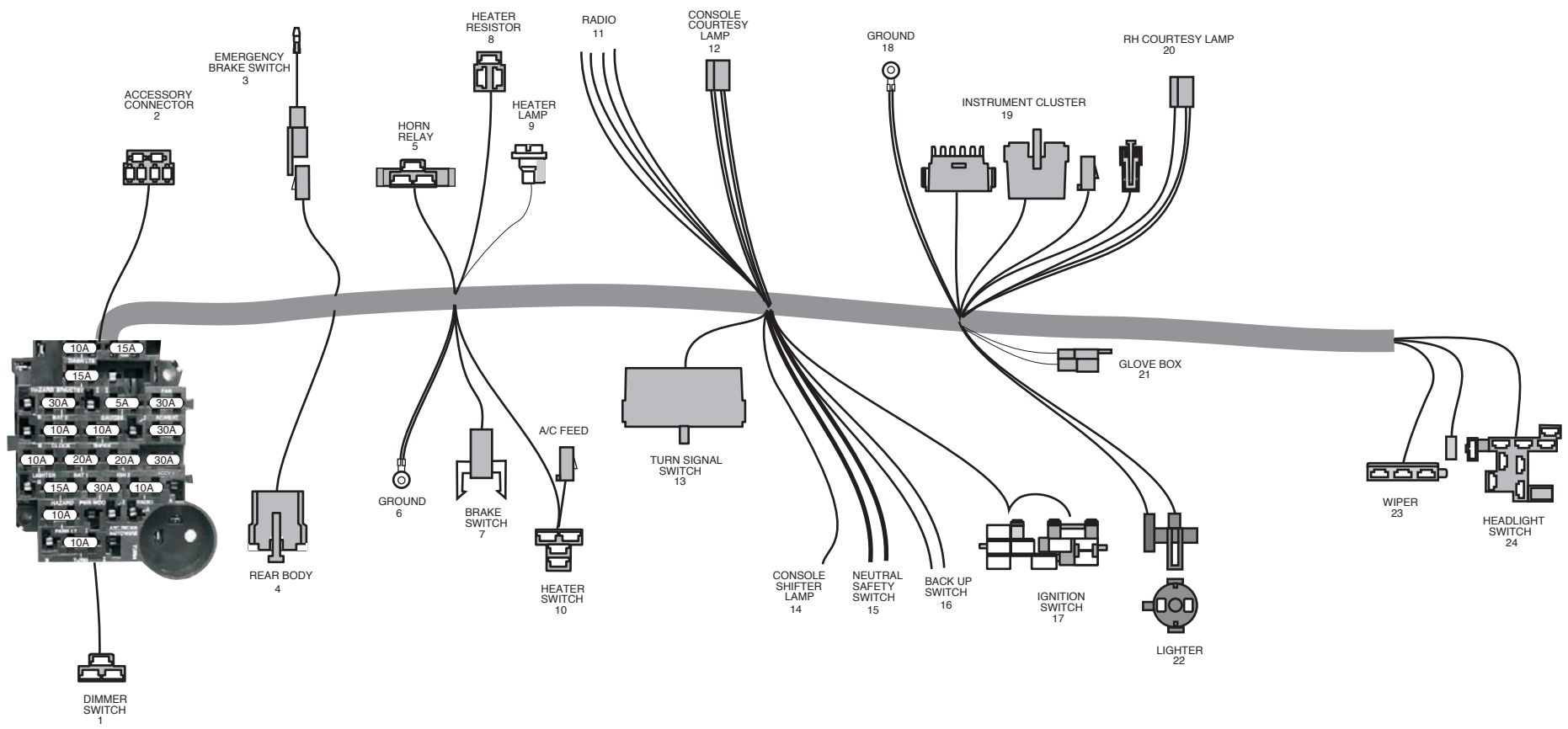
- | | | | |
|-----|-----------------|---|---|
| 1. | DIMMER SWITCH | Light Green
Light Green
Tan
Yellow | Thin wire is feed to high beam indicator light in instrument cluster
Heavy wire is headlight high beam feed wire.
Headlight low beam feed wire.
Headlight power feed wire from headlight switch. |
| 2. | ACCESSORIES | Use the provided connector J and terminals as power leads for the following:
Tan FUEL 15 amp Fused 12 volt IGNITION feed for fuel pump (may also be used to feed power to another ignition circuit)
Orange BAT1 20 amp Fused 12 volt BATTERY feed for power seats (may also be used to feed power to another battery circuit)
Red BAT2 30 amp Fused 12 volt BATTERY feed for power door locks (may also be used to feed power to another accessory circuit)
Pink IGN1 20 amp Fused 12 volt IGNITION feed for cruise control (may also be used to feed power to another ignition circuit)
Pink PWRWDO 30 amp Fused 12 volt IGNITION feed for power windows (may also be used to feed power to another ignition circuit)
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.
Tan Fuel tank sender lead
Brown Tail lamp feed
Yellow LH turn / brake feed
Dark Green RH turn / brake feed
Orange Dome / courtesy lamp feed
White Dome / courtesy lamp ground
Light Green Back up lamp feed
Light Blue Third brake light | |
| 5. | HORN RELAY | Plug the horn relay (found in the fuse bag) into this connector.
Red 12 volt battery
Black Relay ground circuit (to steering column)
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.
Orange 12 volt feed 'in' to switch.
White 12 volt feed 'out' to steering column switch.
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.
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.)
Yellow Heater resistor
Lt Blue Heater resistor
Orange Heater resistor | |
| 11. | RADIO | Tan
Black
Gray
Yellow | Radio accessory feed. (Power wire for stock radio).
Radio ground.
Radio lamp.
Radio 12 volt clock lead (battery feed). |



American Autowire

1970-73 Camaro
DASH KIT
510033

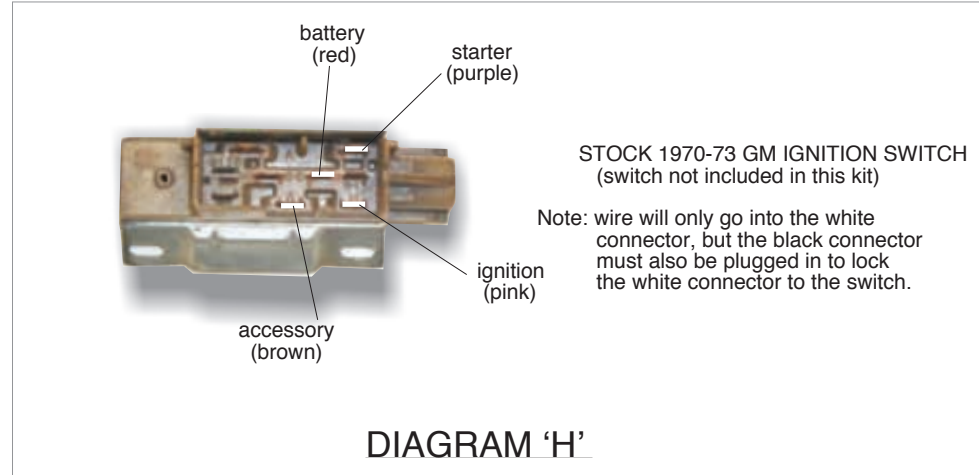
www.americanautowire.com 856-933-0801
92968483 instruction rev 2.0 1/6/2014



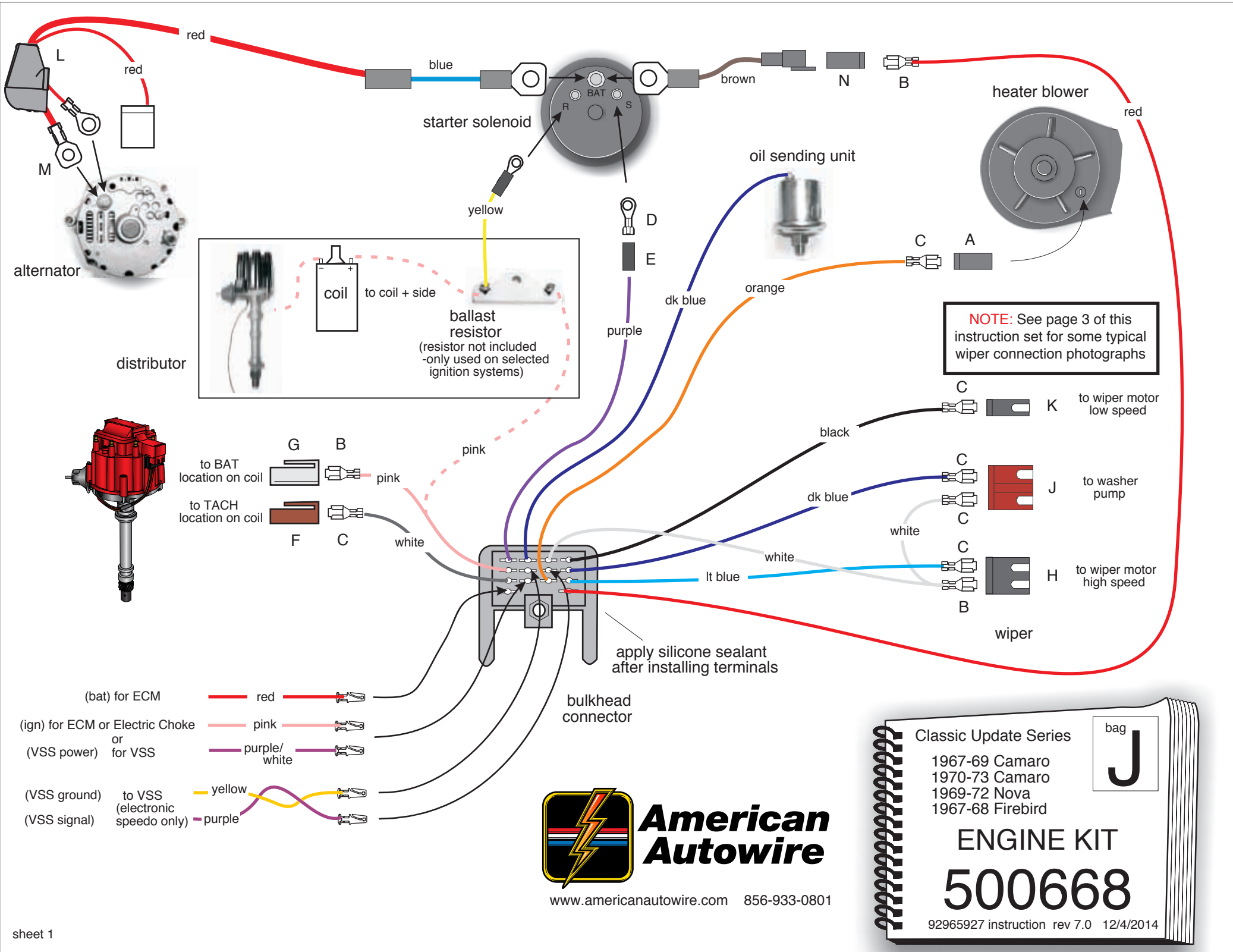
12. CONSOLE CTRSY LAMP These wires are for use on a console vehicle. For wire functions, refer to bag K, 510043.
- White Connects to dome light ground circuit.
Orange Connects to the Brake and courtesy fused circuit.
13. TURN SIGNAL SWITCH This harness has a connector on it for the 3-7/8" 1969-1974 GM 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



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.

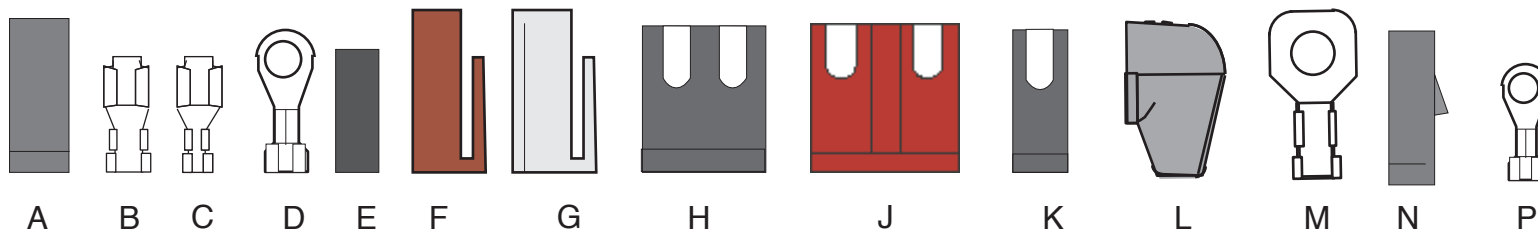
ALTERNATOR WIRES:

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. (NOTE: 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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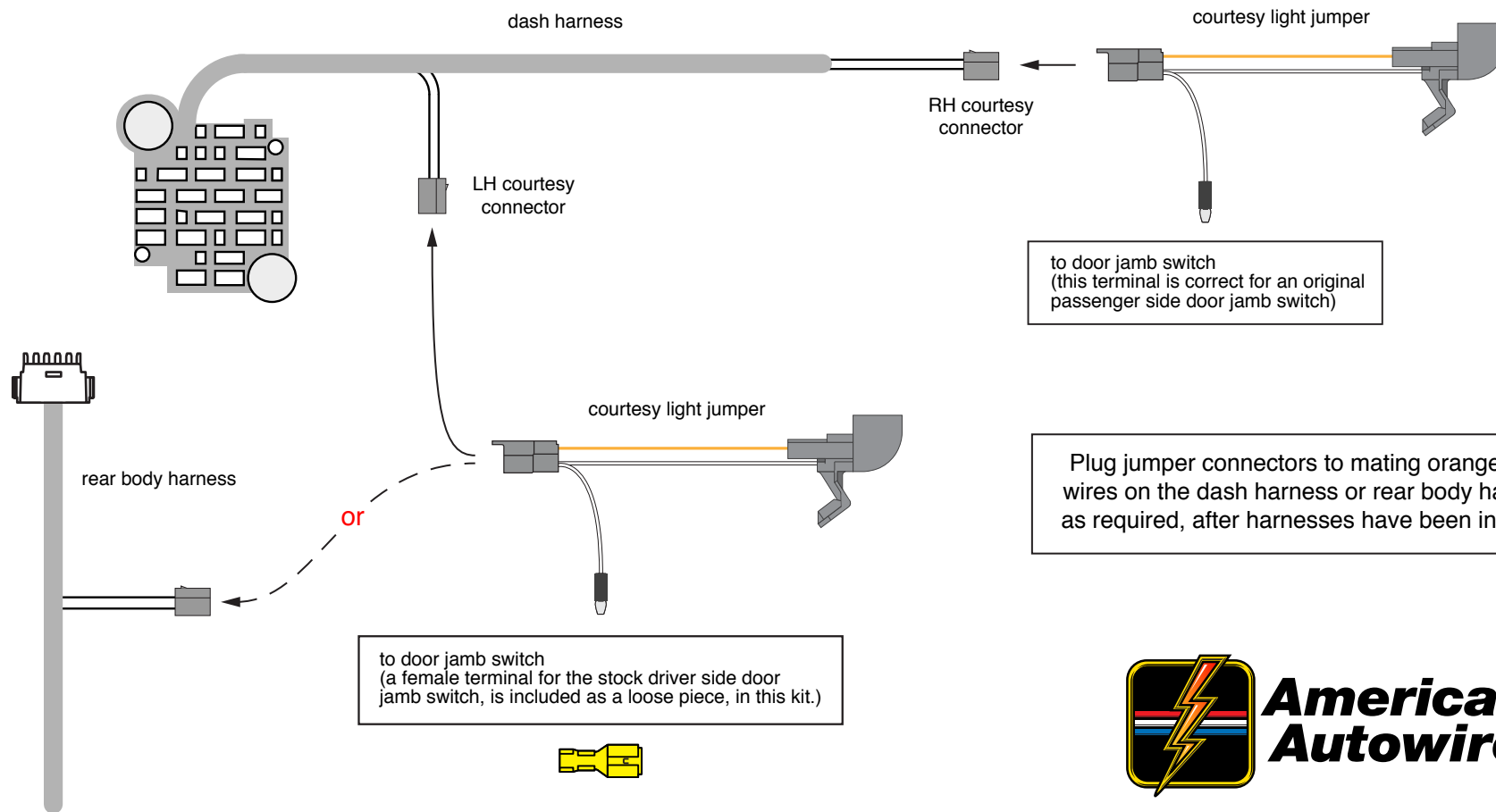


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92965927 instruction rev 7.0 12/4/2014



Plug jumper connectors to mating orange/white wires on the dash harness or rear body harness, as required, after harnesses have been installed.



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

PART #

500708

N

DESCRIPTION:

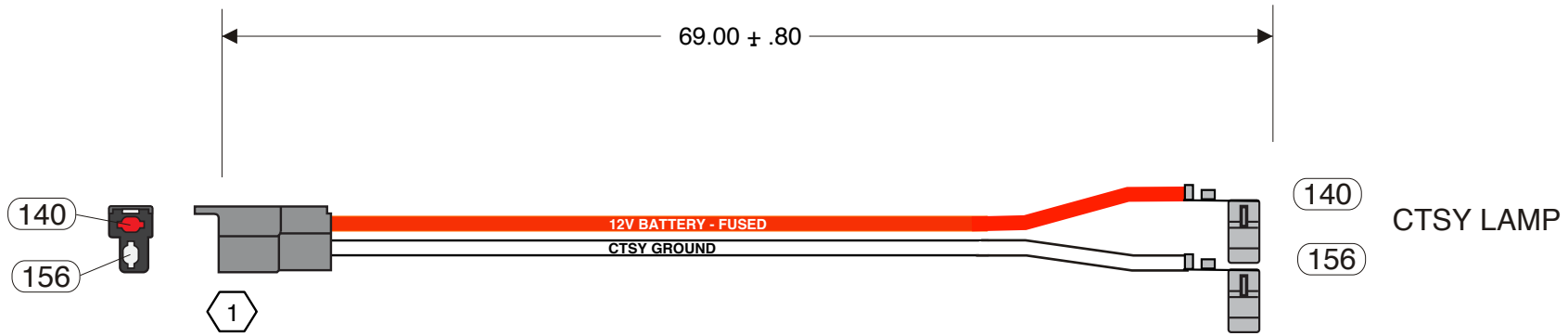
Courtesy Light Kit

92966085

Rev 1.1

6/27/2016

92968500



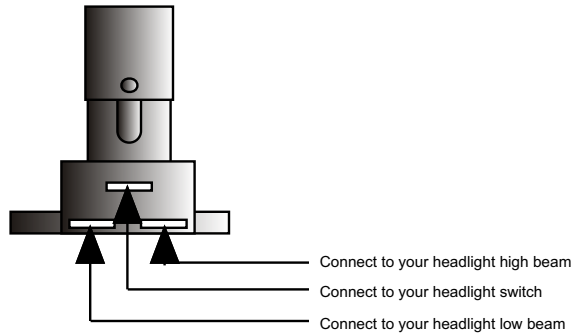
Console Kit

**1970-73 Camaro
Classic Update Series**

part # 510043

REV. 1.0 2/02/2016 MBD

92968500



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

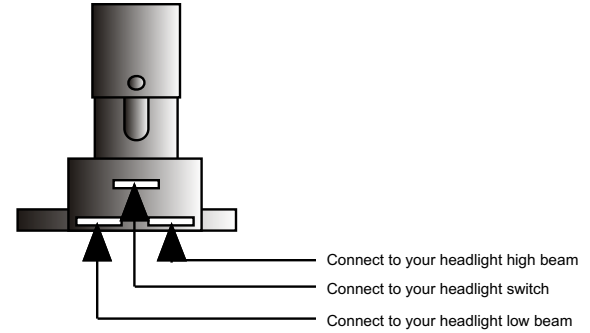
PART #

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:

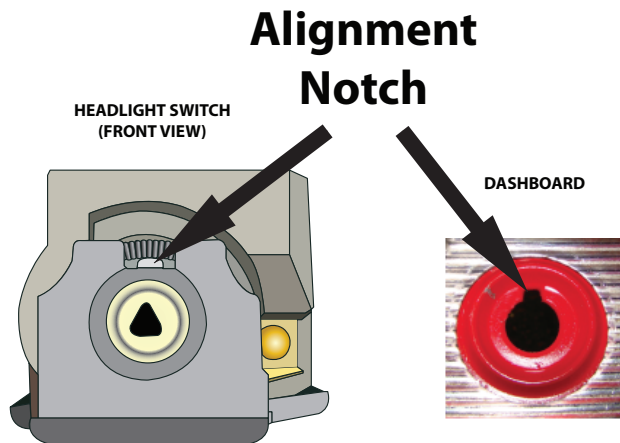
DIMMER SWITCH

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.

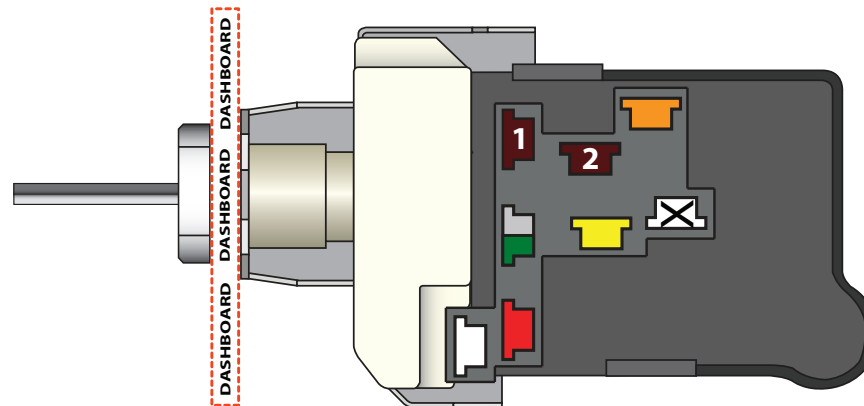









2. Install the switch mounting nut and tighten.

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.



1	Parking Lights - Stay on with headlights
2	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

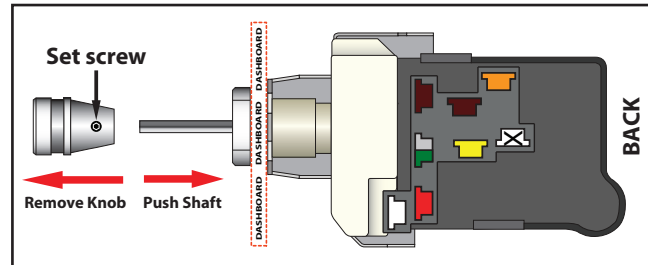
92964649 Rev 3.0 1/3/2020

To Trim Shaft to Fit or Remove Shaft:

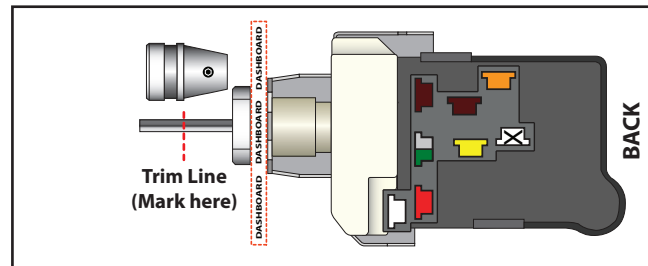
The headlight shaft knob should extend from the face of the mounting nut, and must allow enough clearance for the switch to turn off. If the shaft is longer than necessary for your specific dash it can be trimmed to fit. Always trim the knob end of the shaft only and follow the guidelines below for best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

