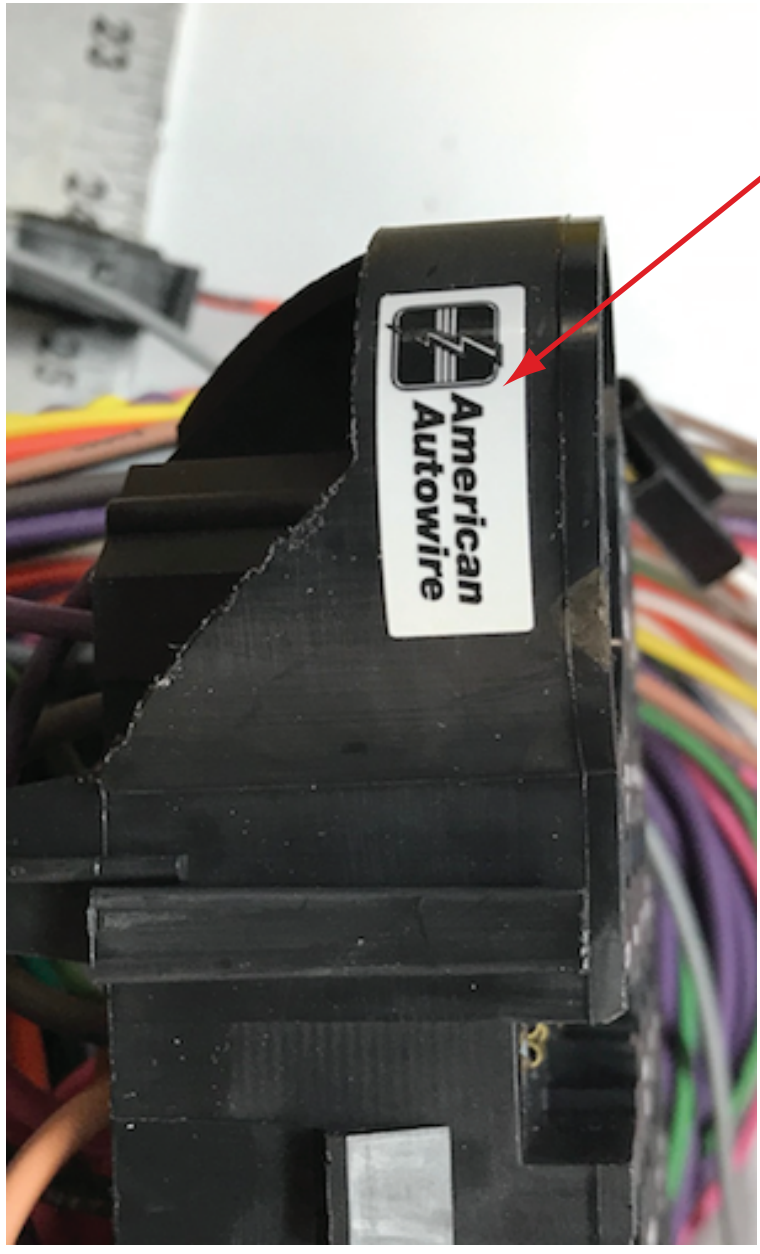

NOTE: If the fuse panel on your 500886 '67-'68 Firebird kit ***HAS*** a sticker like the photo at the left, you have the second design harness and your instructions are listed below and follow this page.

Number	Description
500332	Headlight Switch
500707	Fuse, Relay, and Flasher kit
500708	Courtesy Light kit
500919	Practice Terminal Crimping Set
510508	Dash Harness kit
510510	Engine Wiring Kit
510511	Front Light Wiring kit
510509	Instrument Cluster Wiring kit
500889	Console Gauge Wiring kit
500887	Misc. Add-On kit
500673	Rear Body Wiring kit
510476	Alternator and main power Connection kit
510730	VSS Connection kit
500674	Ignition Switch Lock Cylinde and Keys
500709	Ignition Switch
500042	Floor Dimmer Switch
92967369	Firewall Modification Template
92972442	Kit Introduction Instruction Sheet
92972443	Warning Sheet

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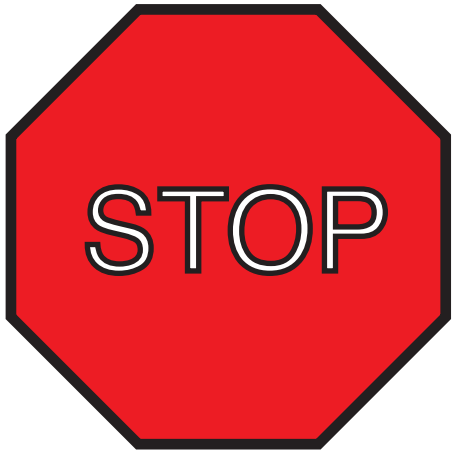
67-68 Firebird Second Design Instructions

92972876 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 6ga. charge wire directly from the alternator output charge terminal to the starter battery termial. 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.

500886 - Classic Update Series Kit
1967-68 Pontiac Firebird

This kit contains the following components:

Bag	Part Number	Description	Quantity
	500042	Floor Dimmer Switch	1
	500332	Headlight Switch	1
G	510508	Dash Harness kit	1
H	510509	Instrument Cluster wiring kit	1
J	510510	Engine Wiring Kit	1
L	510511	Front Light Wiring kit	1
M	500673	Rear Body Wiring kit	1
	500674	Ignition Switch lock cylinder and keys	1
	500707	Fuse, Relay, and Flasher kit	1
N	500708	Courtesy Light kit	1
	510705	Ignition Switch	1
V	510730	VSS Connection Kit	1
X	500887	Miscellaneous Add on kit	1
Z	510476	Alternator amd Main Power kit	1
	500889	Console wiring kit	1
	500919	Practice Terminal Crimping Set	1
	92967369	Firewall Modification Template	1
	92972442	Kit Introduction Instruction Sheet	1
	92972443	Warning Sheet	1

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

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500886

92972443 instruction sheet Rev 1.0 6/24/2020

Classic Update Series

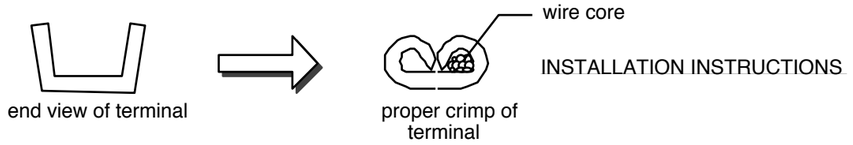
1967-68 Firebird

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.



INSTALLATION INSTRUCTIONS

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 operationfor installing your kit. Start with the bag letter “G”, then “H”, etc. The order of installation is shown below:

G 510508	Dash Harness Kit
H 510509	Instrument Cluster Kit
J 510510	Engine Kit
L 510511	Front Light Kit
M 500673	Rear Body Kit
N 500708	Courtesy Light Kit
V 510730	VSS Connection Kit
X 500887	Miscellaneous Add-on Kit for 1967-68 Firebird
Z 510476	Alternator and Main Power 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.

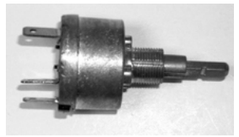
If you have any questions concerning this or any of our products, please feel free to call us at 1-800-482-WIRE.

AMERICAN AUTOWIRE MAKES IT EASY !!

We carry many accessories for your 67-68 Firebird

p/n R0067108
OEM style non-stick harness tape

p/n 01993372 (1967-68)
OEM style wiper switch.



p/n 01993420
Muncie 4 speed back up lamp switch.

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

p/n 510586
OEM large terminal and double crimping tool (20-8 gauge).

p/n 510585
Multi-crimp tool (20-14 gauge).

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Classic Update Series

1967-68 Firebird

500886

92972442 instruction sheet rev. 0.0 7/31/2019

Classic Update Series

1967 Firebird

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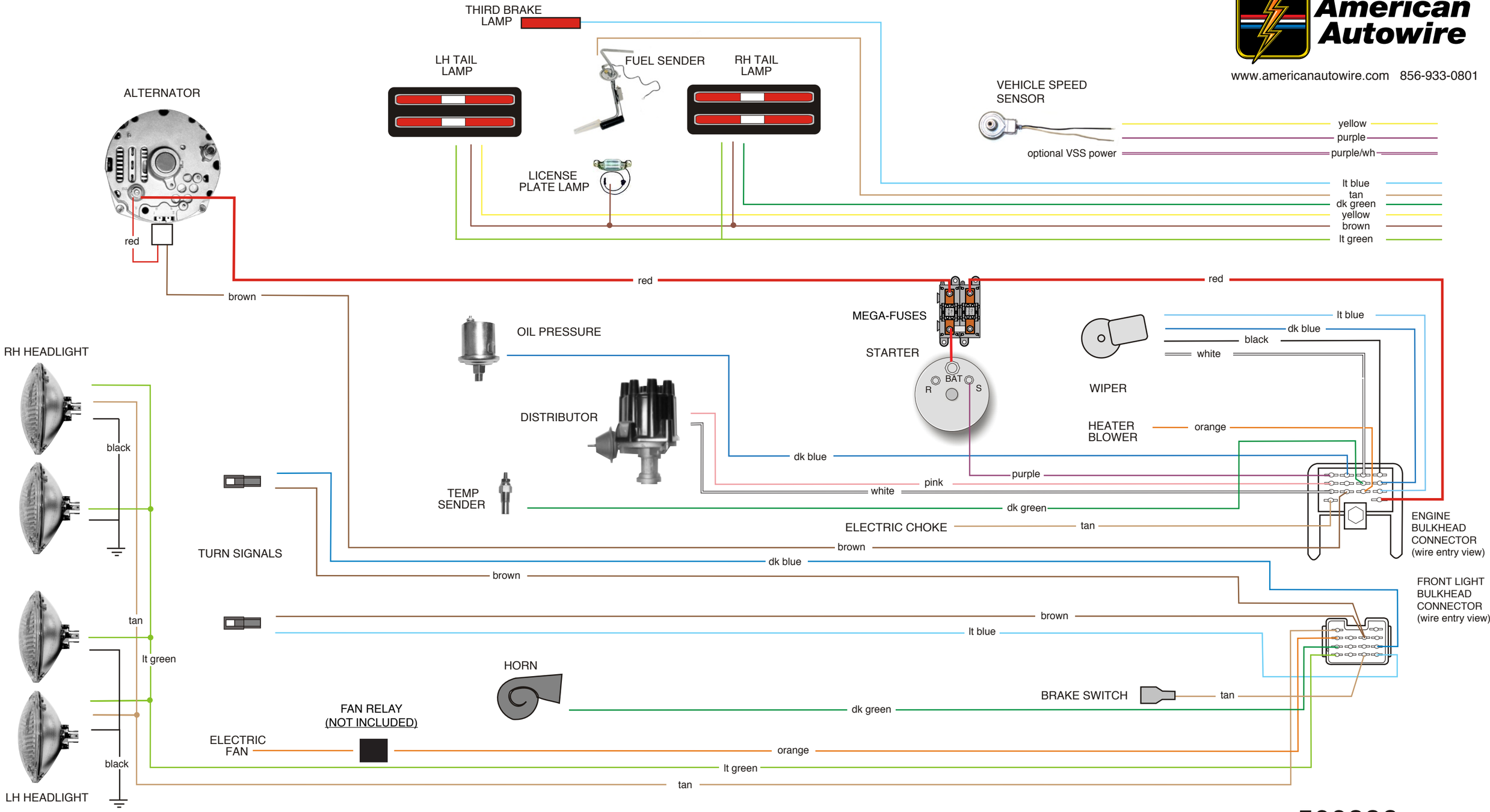

NOTICE: This schematic drawing is for reference only. Do not use the schematic to install this wiring kit! Use the instruction sheets included in each bag, which includes directions for proper terminations, and specific applications.

500886

92972442 instruction sheet rev. 0.0 7/31/2019

Classic Update Series

1968 Firebird

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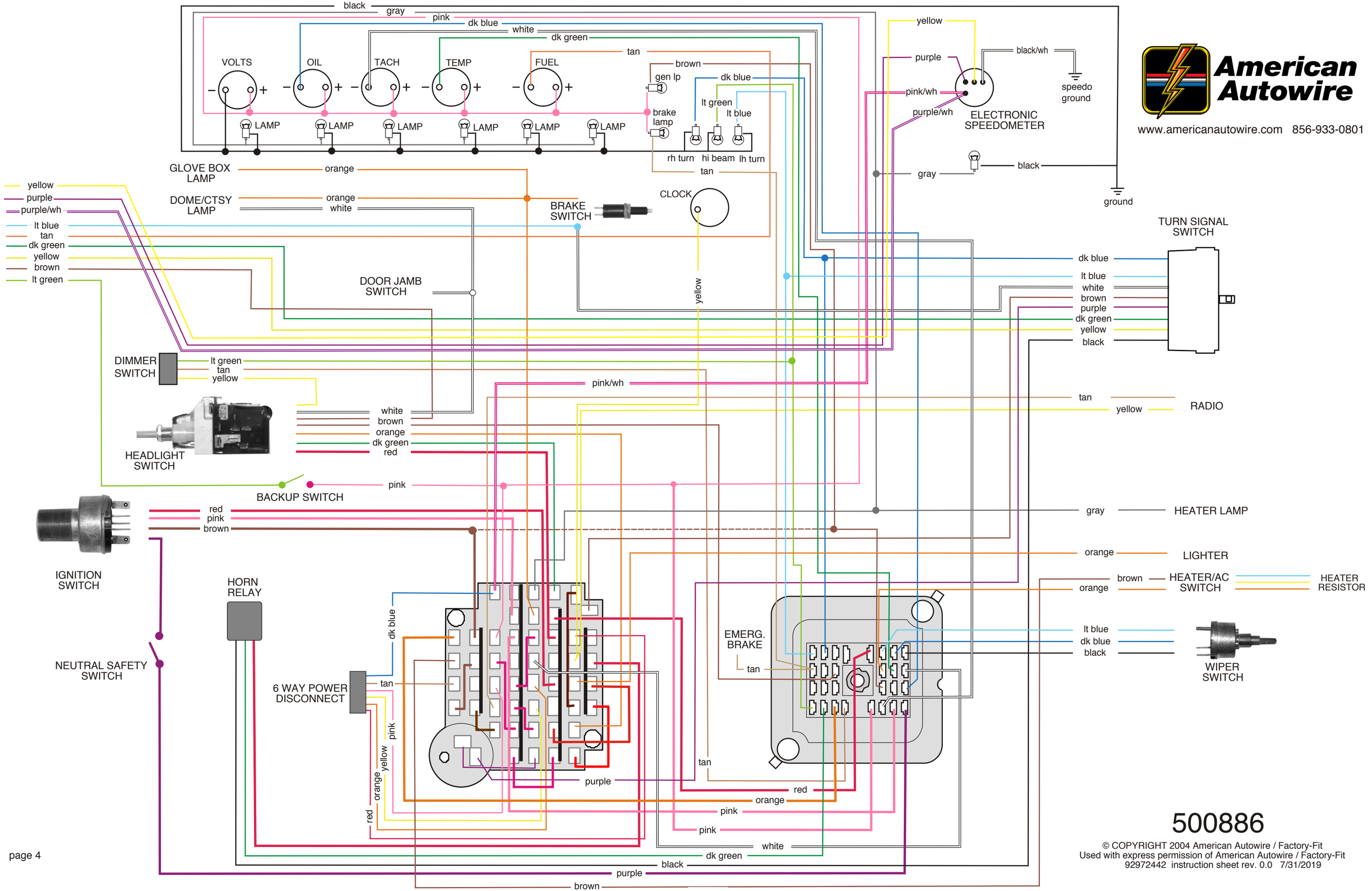
THIRD BRAKE LAMP
LH SIDE MARKER
LH TAIL LAMP
FUEL SENDER
RH TAIL LAMP
RH SIDE MARKER
VEHICLE SPEED SENSOR
ALTERNATOR
LICENSE PLATE LAMP
optional VSS power
yellow
purple
purple/wh
lt blue
tan
dk green
yellow
brown
lt green
red
brown
red
MEGA-FUSES
STARTER
BAT
R
S
WIPER
lt blue
dk blue
black
white
HEATER BLOWER
orange
RH HEADLIGHT
OIL PRESSURE
DISTRIBUTOR
TEMP SENDER
dk blue
pink
white
purple
dk green
ELECTRIC CHOKE
tan
brown
dk blue
ENGINE BULKHEAD CONNECTOR (wire entry view)
black
TURN SIGNALS
brown
FRONT LIGHT BULKHEAD CONNECTOR (wire entry view)
brown
lt blue
tan
lt green
HORN
BRAKE SWITCH
tan
FAN RELAY (NOT INCLUDED)
dk green
ELECTRIC FAN
orange
lt green
black
tan
LH HEADLIGHT

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.

500886

92972442 instruction sheet rev. 0.0 7/31/2019



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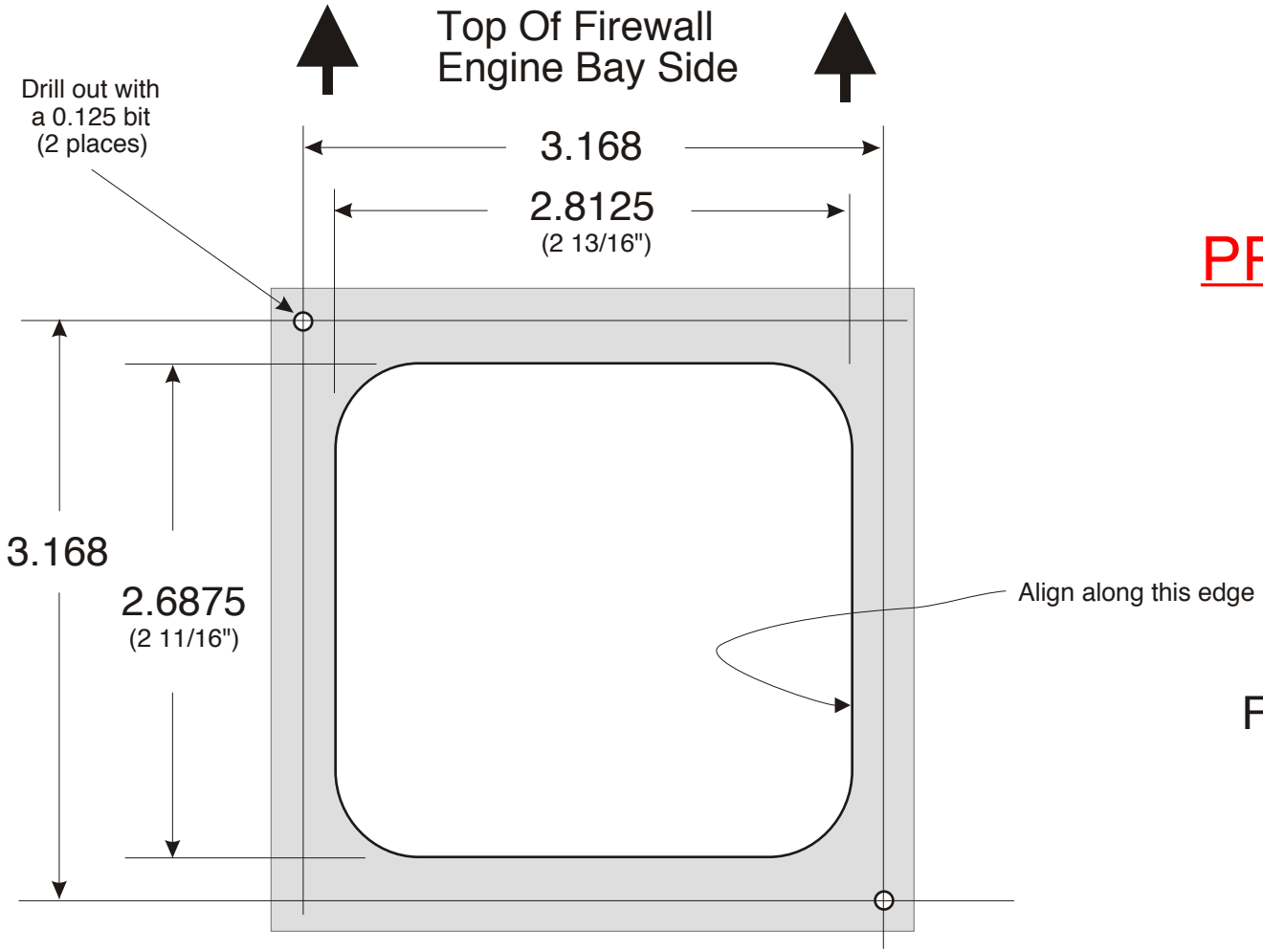
92972442 instruction sheet rev. 0.0 7/31/2019

Template for firewall modification for some Classic Update Kits

Classic Update Series kits are based on the 1968 and later GM bulkhead assembly which has a different mounting footprint than earlier bulkhead connectors. Therefore, it will be necessary to modify the firewall in 1967 and earlier cars to accept the 1968 and later design bulkhead. This enclosed template can be used for this purpose.

We suggest that this template be glued to stiff cardboard or a thin piece of plastic. The white area can then be cut out with a razor knife to define the area of material that needs to be removed from the existing bulkhead area. Proceed as follows:

1. Position the template against the firewall aligning the right hand edge with the right hand edge of the existing bulkhead hole.
2. Trace the opening area onto the existing bulkhead and cut out the area.
3. Drill the two .125 holes for the new bulkhead mounting screws.
4. Mount the fuse box assembly from the passenger compartment side and check the fit into the new bulkhead hole. It may be necessary the do some fine tuning on the hole size for an exact fit.
5. Screw in the new fuse box retaining screws to complete securing the new fuse box assembly to the firewall

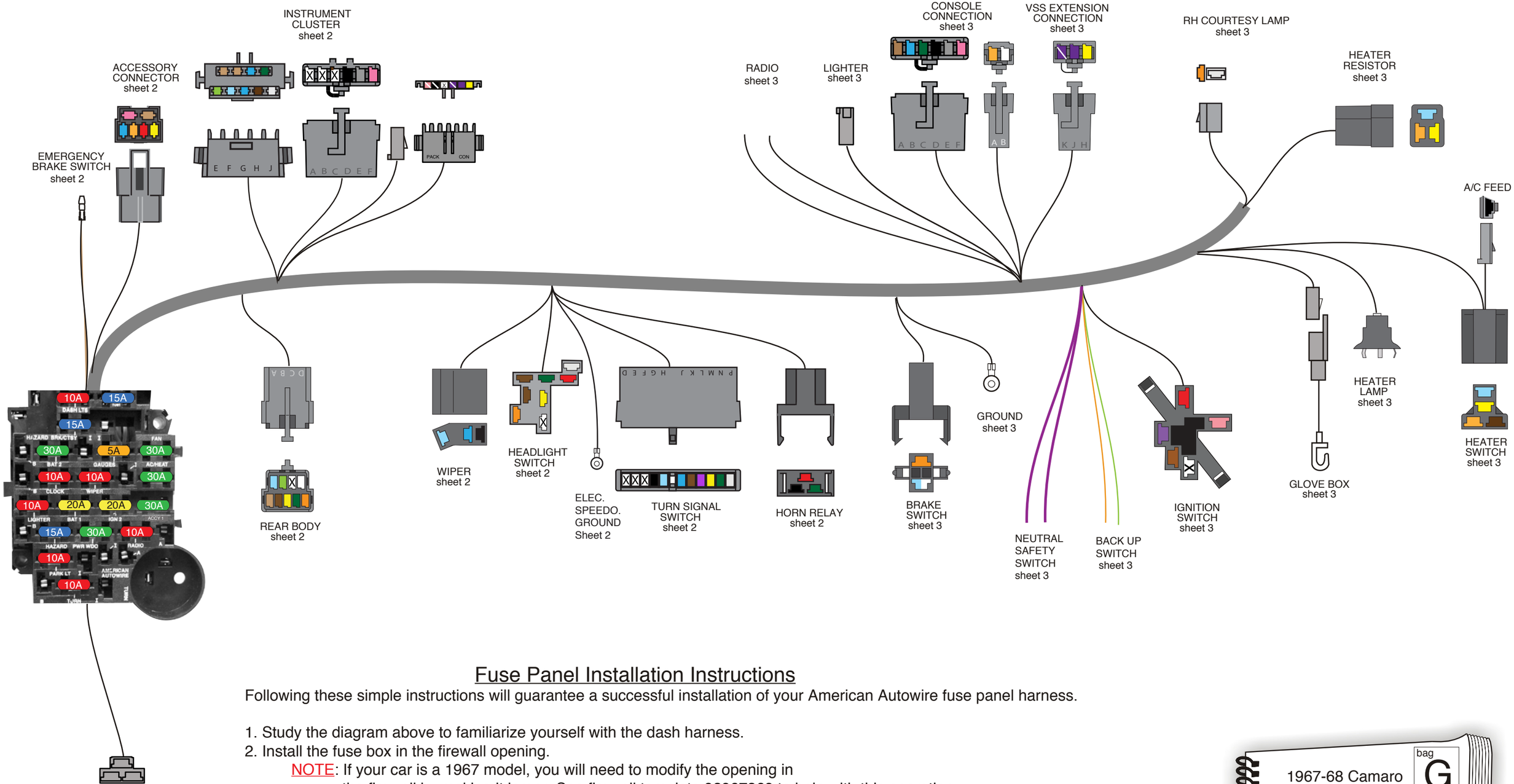


PRINT ON ADHESIVE LABEL SHEET

Firewall Modification Template

92967369

92967369 instructions Rev 5.0 4/22/2014



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 in the firewall opening.
   NOTE: If your car is a 1967 model, you will need to modify the opening in the firewall by making it larger. See firewall template 92967369 to help with this operation.
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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1967-68 Camaro
1967-68 Firebird

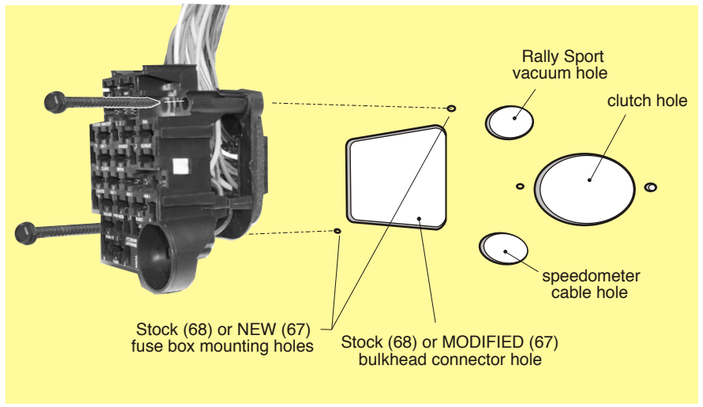
bag G

DASH KIT

510508

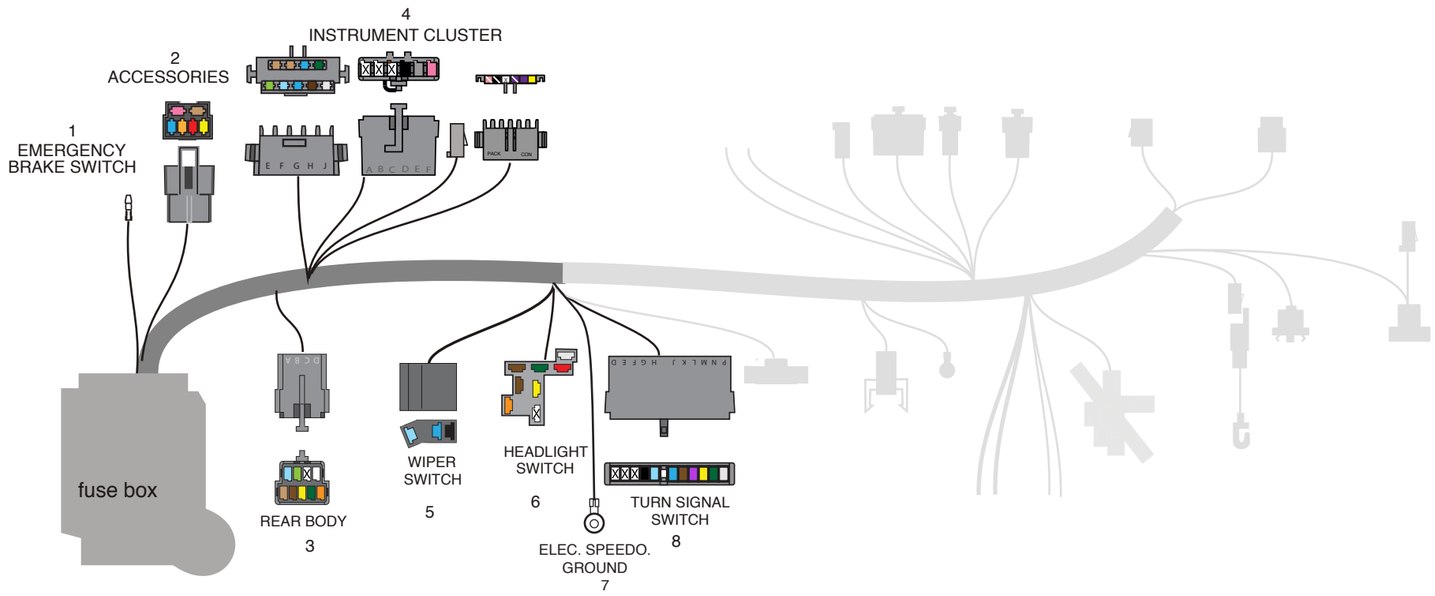
92972428 instruction rev 1.0 10/1/2019

INSTALLING THE FUSE BOX



NOTE: If your car is a 1967 model, you will need to modify the opening in the firewall by making it larger.See firewall template 92967369 to help with this operation.

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, attached the fuse panel to the firewall.



1.	EMERGENCY BRAKE	Tan		Connect to the emergency brake switch. This is the ground circuit for the brake switch light
2.	ACCESSORIES			Use the provided connector J attached and terminals as power leads for the following:
		Fuse	Rating	
		Dark Blue	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)
		Yellow	PWRWDO	30 amp Fused 12 volt IGNITION feed for power windows (may also be used to feed power to another ignition circuit)
		Tan	ACCY1	30 amp Fused 12 volt ACCESSORY feed (may also be used to feed power to an accessory circuit)
3.	REAR BODY			This connector will mate to the connector from the Rear Body harness found in bag L.
		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
4.	INSTRUMENT CLUSTER DISCONNECTS			These connectors will plug into the gauge disconnect harness from bag H. Wire identifications are described on theinstruction sheets from bag H.
5.	WIPER	Black		Ground circuit for low speed.
		Dark Blue		Ground circuit for washer.
		Light Blue		Ground circuit for hi speed.
6.	HEADLIGHT SWITCH	Red	12 volt feed to switch	BAT location on Headlighy switch.
		Orange	12 volt feed in to park/tail	PARK / TAIL FEED IN location on Headlight switch (commonly found on GM Headlight switches).
		Brown	Park lamp feed out	PARK LAMP OUT location on Headlight switch.
		Yellow	Dimmer feed	DIMMER SWITCH FEED location on Headlight switch.
		Dark Green	Instrument lamp feed	INSTRUMENT LAMP location on Headlight switch.
		White	Dome / courtesy ground	GROUND location on Headlight switch.
7.	ELECTRONIC SPEEDO GROUND	Black		Connect to a good chassis ground. DO NOT attach this wire together at the same point as the ground wire identified on sheet 3 item 21.
8.	TURN SIGNAL SWITCH			This harness has a connector on it for the 3 7/8 1969-74 GM column connection used by GM and many aftermarket manufacturers. If you are using a stock 1967-68 turn signal switch, remove the existing connector and terminals from your steering column, and install terminals M and connector L (see diagram G) as shown at the right. 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

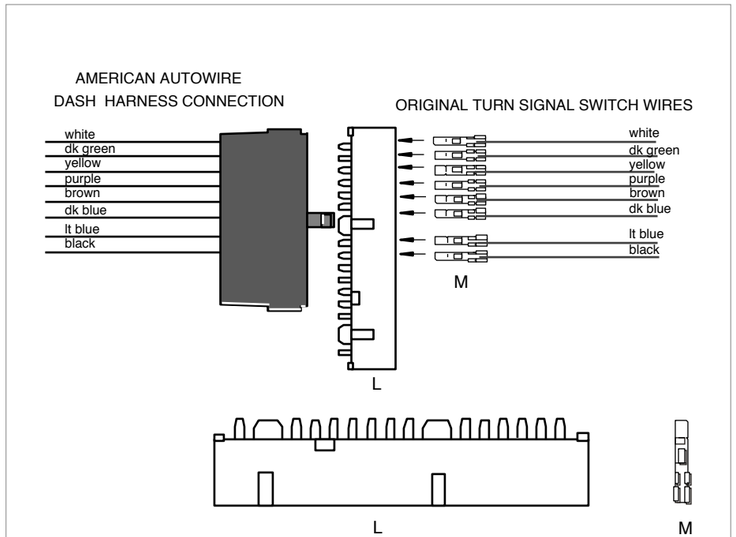


DIAGRAM G

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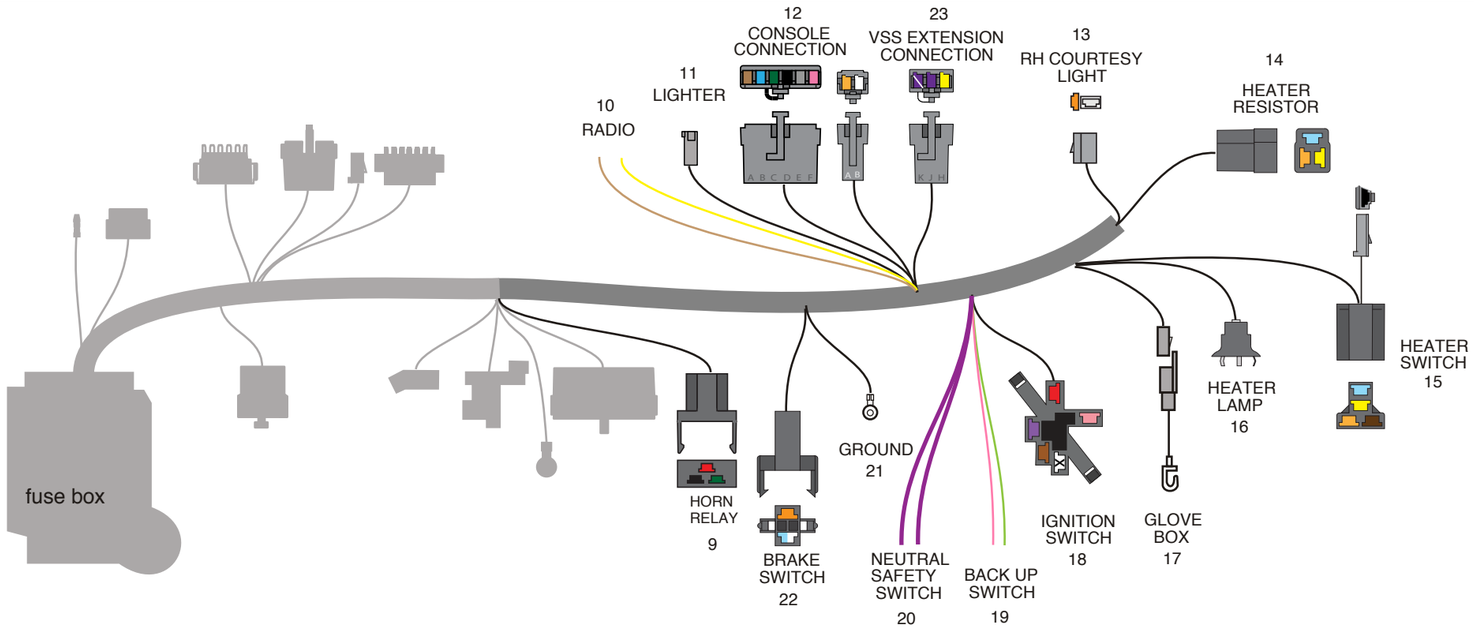
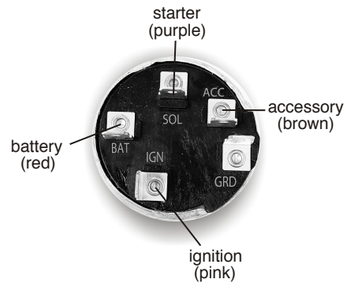
1967-68 Camaro
1967-68 Firebird

DASH KIT
510508

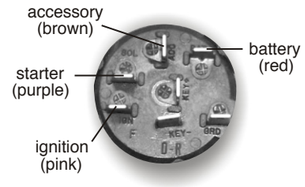
92972428 instruction rev 1.0 10/1/2019



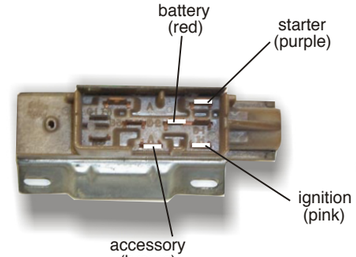
9.	HORN RELAY		Plug the horn relay (found in the fuse bag) into this connector.
		Red	12 volt unfused battery
		Black	Relay ground circuit (to steering column)
		Green	Triggered 12 volts out to the horns
10.	RADIO	Tan	Radio accessory feed.
		Yellow	Radio 12 volt clock lead (battery feed)
11.	LIGHTER	Orange	Connect to lighter. (battery feed)
12.	CONSOLE CONNECTION		These wires are for use on a console vehicle. For wire functions, refer to bag K, (500664 for Camaro, or 500889 for Firebird).
13.	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
14.	HEATER RESISTOR		Plug this connector into the factory heater resistor located on top of the heater box of a non A/C car.
15.	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 factory A/C harness is needed, please order our p/n CA85278 separately.)
		Yellow	Heater resistor
		Lt Blue	Heater resistor
		Orange	Heater resistor
16.	HEATER LAMP	Gray	Heater lamp
17.	GLOVE BOX LIGHT	Orange	Connect to the original factory glove box lamp switch. If not using, just unplug and tape back.
18.	IGNITION SWITCH		Note: Connectors are included if you wish to use a stock 1968 Camaro ignition switch, or a column mounted 1969 and later GM ignition switch. Simply remove the wires from the connector installed on the dash harness and install them in the supplied GM connectors as shown in Diagram H to the right.
		Red	12 volt battery feed
		Pink	12 volt ignition feed
		Brown	12 volt accessory feed
		Purple	12 volt starter feed
19.	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
		Light Green	12 volt feed 'out' to back up lamps
20.	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.
		Purple	12 volt feed 'out' to starter
21.	GROUND	Black	Connect to a good chassis ground. DO NOT attach this wire together at the same point as the ground wire identified on sheet 2 item 7.
22.	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.
		Light Blue	12 volt feed 'out' to third brake light.
23.	VSS EXTENSION CONNECTION		These wires are for use with an aftermarket electric speedometer only. The VSS Lead Wires, 510730, bag V, will plug on here. Refer to that instruction sheet for wire functions and additional directions.



IGNITION SWITCH
INCLUDED IN THIS KIT



STOCK 1968 IGNITION SWITCH
(switch not included)



GM IGNITION SWITCH
(switch not included)

Note: wires will only install into the white connector, but the black must also be plugged in to lock the white connector into the switch.

DIAGRAM H

American Autowire

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1967-68 Camaro
1967-68 Firebird

DASH KIT
510508

92972428 instruction rev 1.0 10/1/2019

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1967-68 Camaro
1967-68 Firebird
DASH KIT
510508

92972428 instruction rev 1.0 10/1/2019

Classic Update Series

REFER TO SHEETS 2-5 FOR CONNECTING TO A STOCK INSTRUMENT CLUSTER. IF USING A FACTORY DASH CIRCUIT BOARD, BE SURE TO INSTALL THE WIRES AS SHOWN FOR WITH OR WITHOUT, FACTORY GAUGES.
NOTE: If you are using console gauges, connections for the console are included in 500664 kit (bag K). Refer to sheet 6 for generic directions to connect after market gauges. Terminals have been provided in the (92965220) loose piece kit.

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

DARK BLUE	Right Dash Indicator	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
LIGHT BLUE	Left Dash Indicator	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
LIGHT GREEN	Hi Beam Indicator Light	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.
DARK GREEN	Water Temp Sender	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
DARK BLUE	Oil Pressure Sender	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5. (Note: Valid only on an original warning light cluster.)
TAN	Gas Gauge	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
TAN (no printing)	Brake Light Switch	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.

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

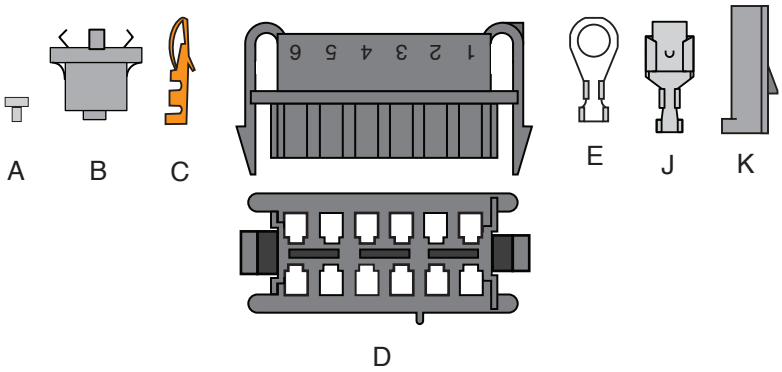
PINK	12v Ignition		Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
GRAY	Dash Lights		Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
BLACK	Ground	(Camaro)	Route this wire to the instrument cluster and cut to length. Install ring terminal E and attach to the cluster's metal housing. This will ground the housing.
		(Nova)	Route this wire to the instrument cluster and cut to length. Install terminal J, plug into connector K and install onto cluster ground. This will ground the cluster.

CONNECTOR H - The wires in this connector are used ONLY with an electronic speedometer.

PURPLE	VSS Signal	This wire will plug into the dash harness connection in bag G. Connect the other end to the speedometer 'sender' terminal following the manufacturer's instructions.
YELLOW	VSS Ground	This wire will plug into the dash harness connection in bag G. Connect the other end to the ground terminal "-" on the speedometer following the manufacturer's instructions.
PURPLE/WHITE	VSS Power	This wire will plug into the dash harness connection in bag G. Connect the other end to the speedometer sender 'power' terminal following the manufacturer's instructions.
PINK	Speedo Power	This wire will plug into the dash harness connection in bag G. Connect the other end to the speedometer 'power' terminal following the manufacturer's instructions.
BLACK/WHITE	Speedo Ground	This wire will plug into the dash harness connection in bag G. Connect the other end to a good cluster ground following the manufacturer's instructions.

LOOSE WIRES

WHITE	Coil--> Tach	Used ONLY with a tachometer. Plug this wire into connector F, maintaining color continuity with the white "TACH" wire on the mating dash connector.
YELLOW	Clock Feed	If using a factory Tick-Tock Tach (68 Camaro) or dash mounted clock on any 1968-72 Nova, plug this wire onto the clock location (on the tach of a 68 Camaro) on the dash, and attach the other end to the mating connector on the dash harness.
BROWN	Alternator Ign	Used with a stock generator 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, 3, 4, or 5.



Classic Update Series
1967-68 Camaro
1968 & 69-72 Nova
1967-68 Firebird

bag H

INSTRUMENT CLUSTER 510509

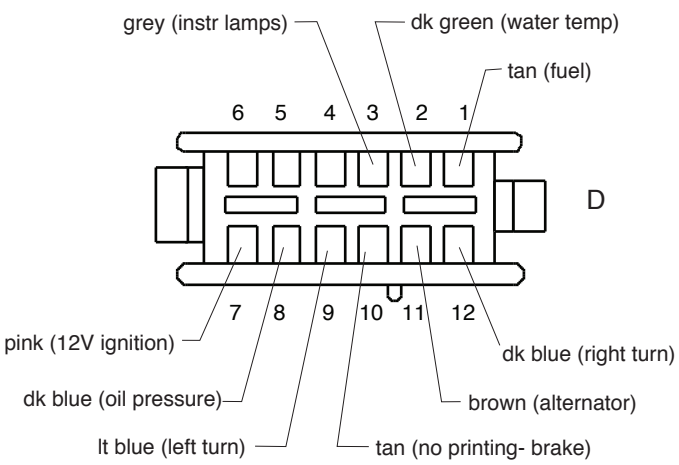
92972431 instruction rev 0.0 7/21/2019

USE THIS SHEET TO CONNECT TO AN ORIGINAL 1967 CAMARO FACTORY INSTRUMENT CLUSTER WITH A CIRCUIT BOARD CONNECTION

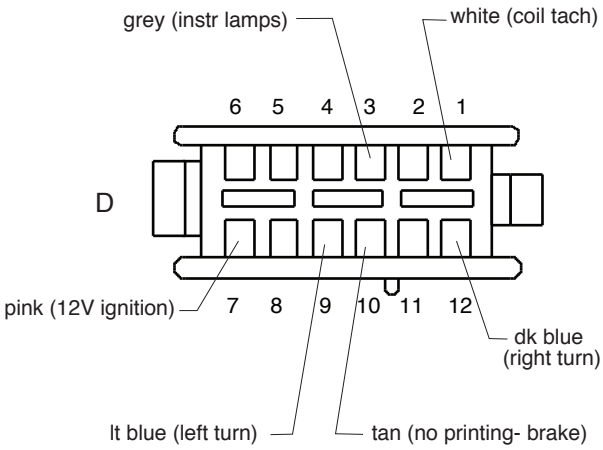
NOTE: This kit will not support the use of a factory installed ammeter

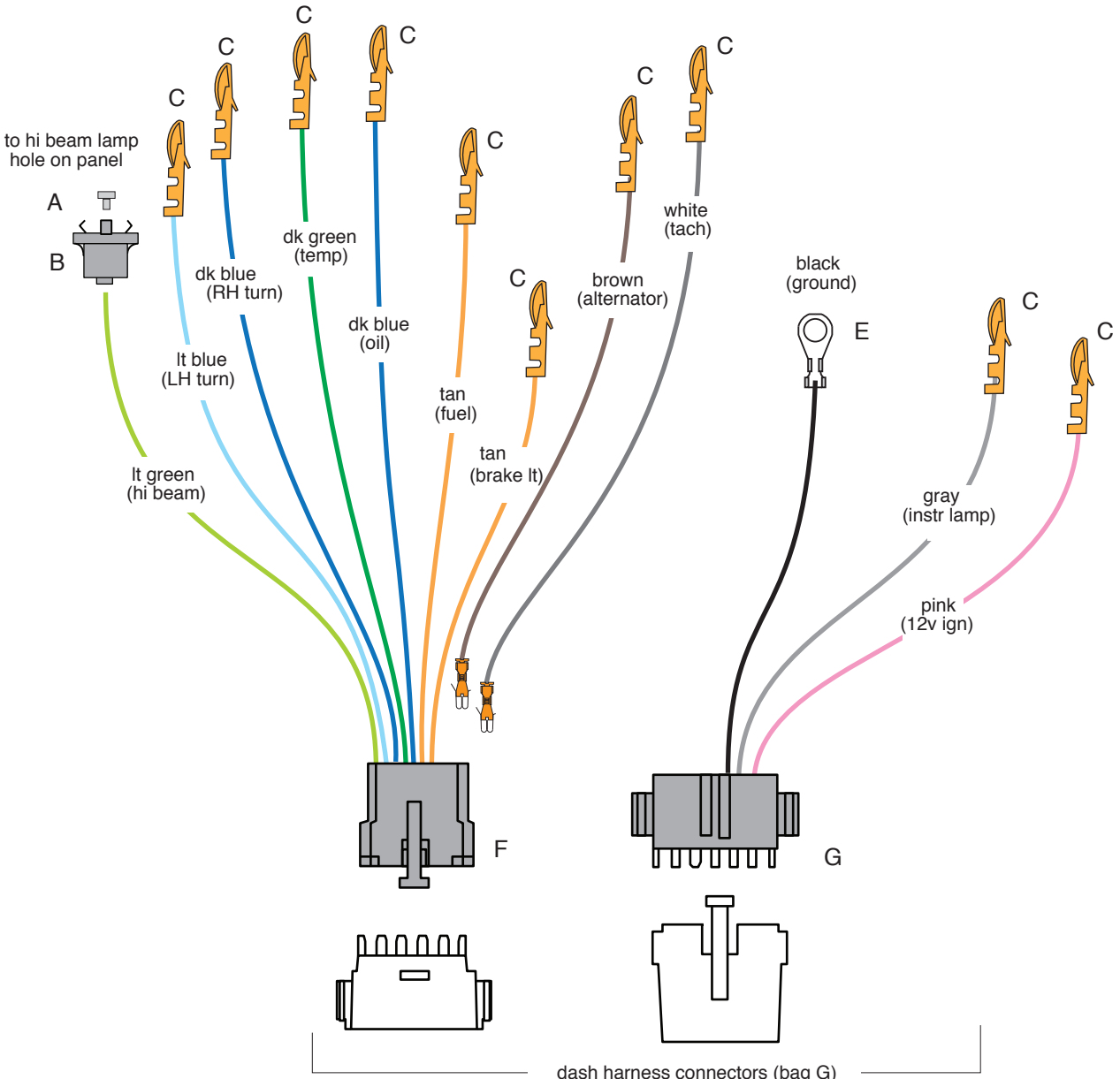
Classic Update Series

CIRCUIT BOARD CONNECTOR
WITHOUT CONSOLE GAUGES



CIRCUIT BOARD CONNECTOR
WITH CONSOLE GAUGES



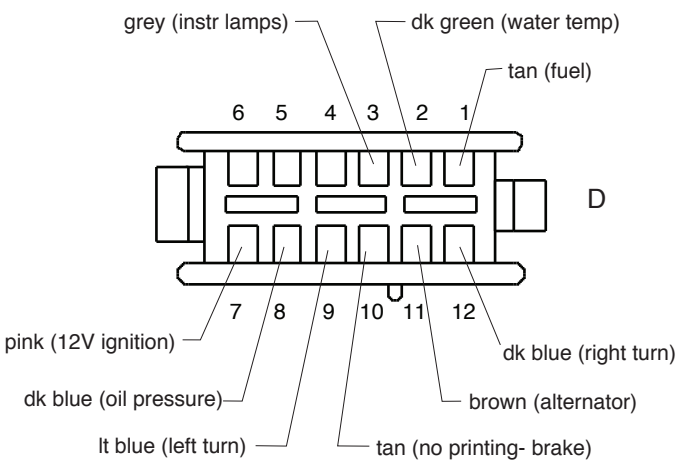


Classic Update Series

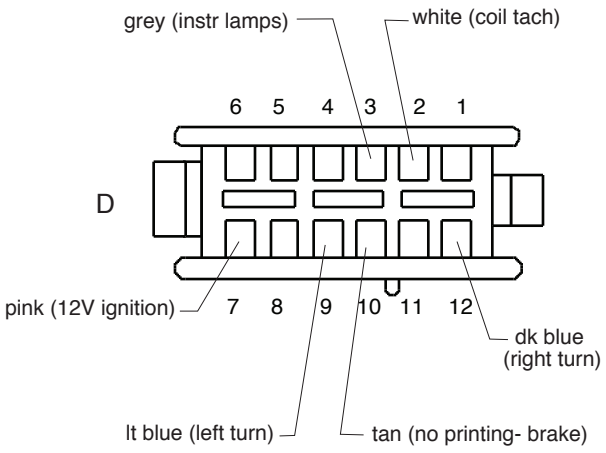
USE THIS SHEET TO CONNECT TO AN ORIGINAL 1968 CAMARO FACTORY INSTRUMENT CLUSTER WITH A CIRCUIT BOARD CONNECTION

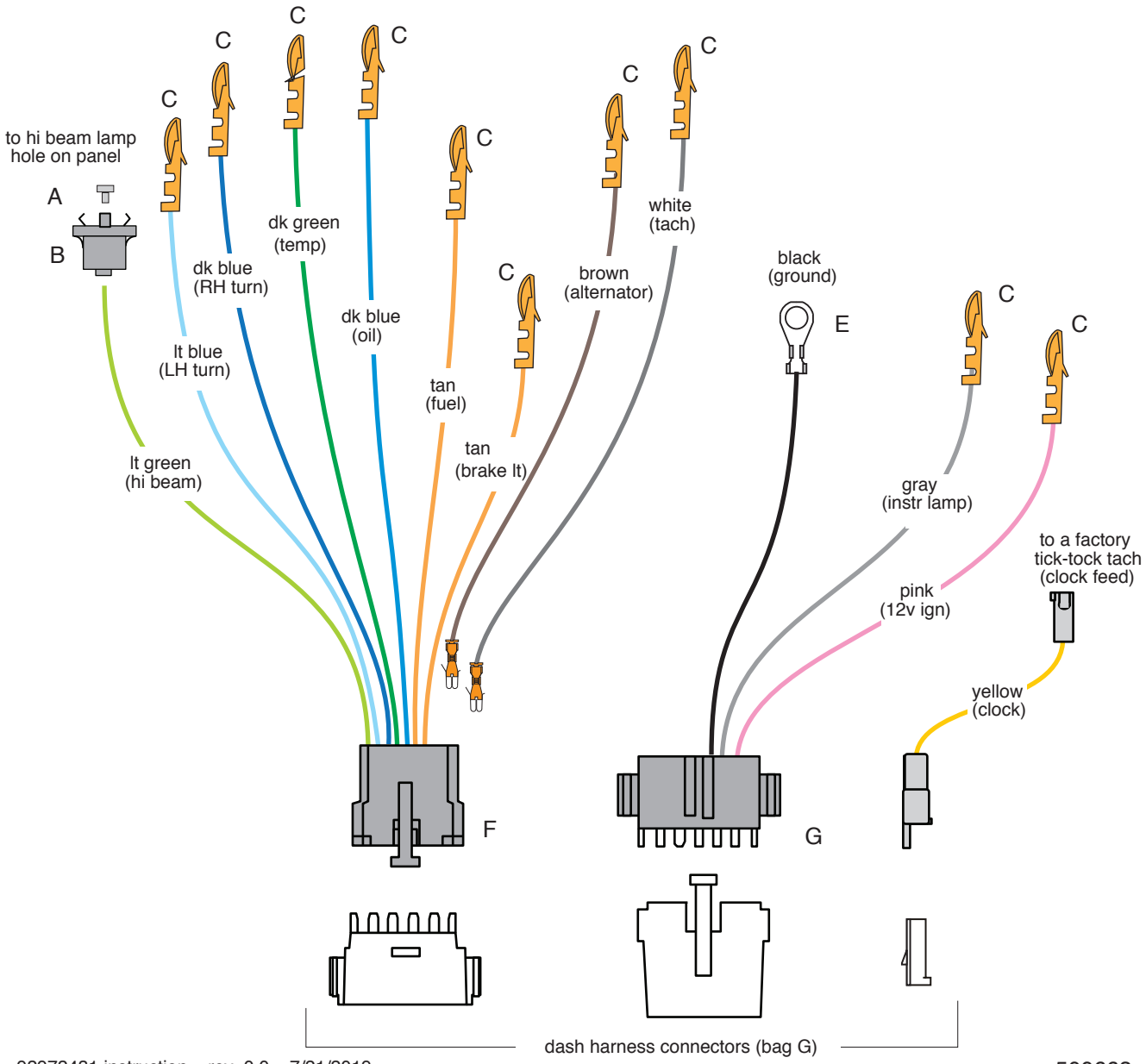
NOTE: This kit will not support the use of a factory installed ammeter

CIRCUIT BOARD CONNECTOR
WITHOUT CONSOLE GAUGES



CIRCUIT BOARD CONNECTOR
WITH CONSOLE GAUGES



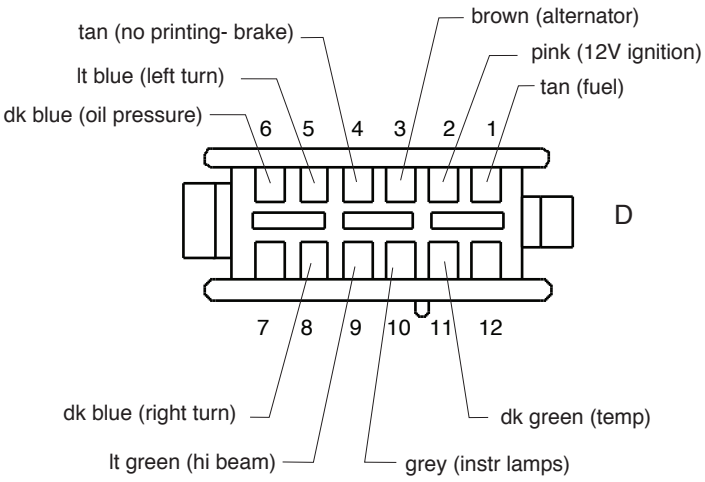


Classic Update Series

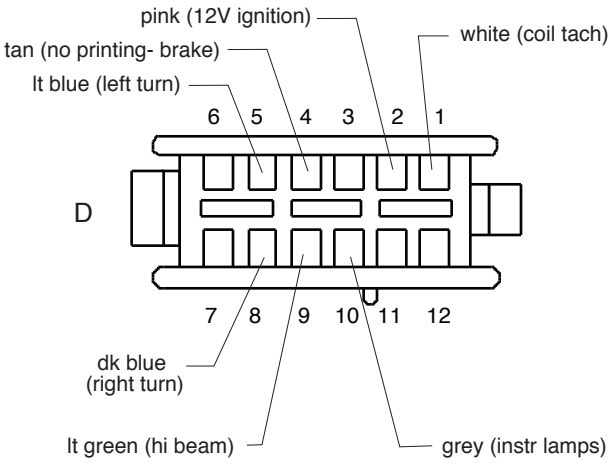
USE THIS SHEET TO CONNECT TO AN ORIGINAL 1968 and 1969-72 NOVA FACTORY INSTRUMENT CLUSTER WITH A CIRCUIT BOARD CONNECTION

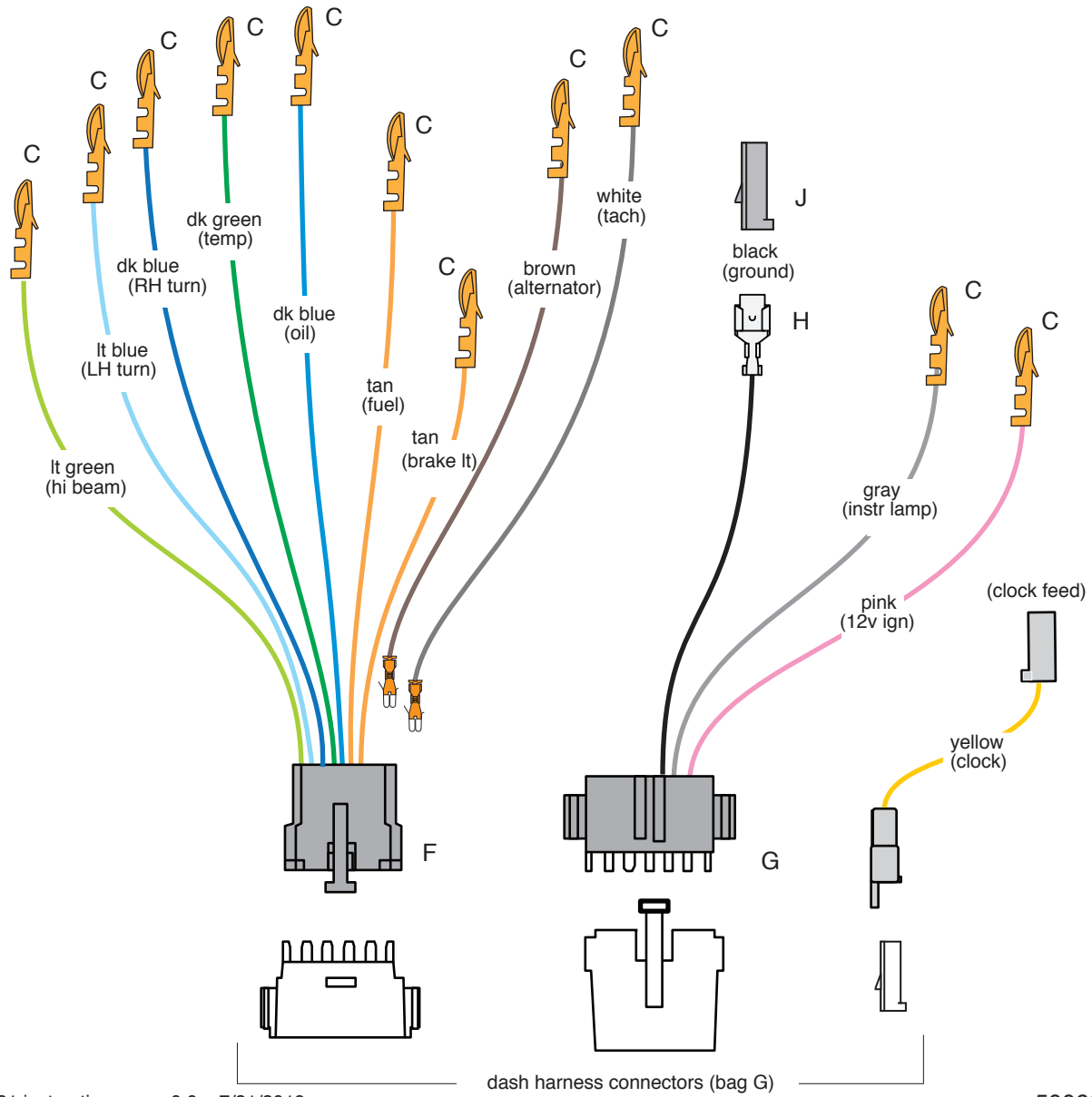
NOTE: This kit will not support the use of a factory installed ammeter

CIRCUIT BOARD CONNECTOR
WITHOUT CONSOLE GAUGES



CIRCUIT BOARD CONNECTOR
WITH CONSOLE GAUGES



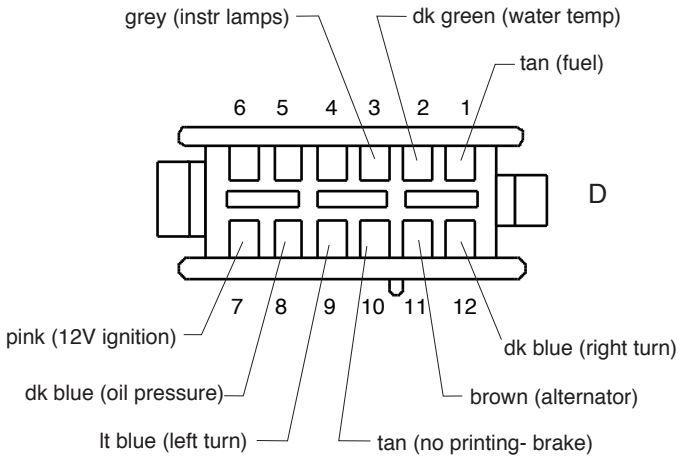


Classic Update Series

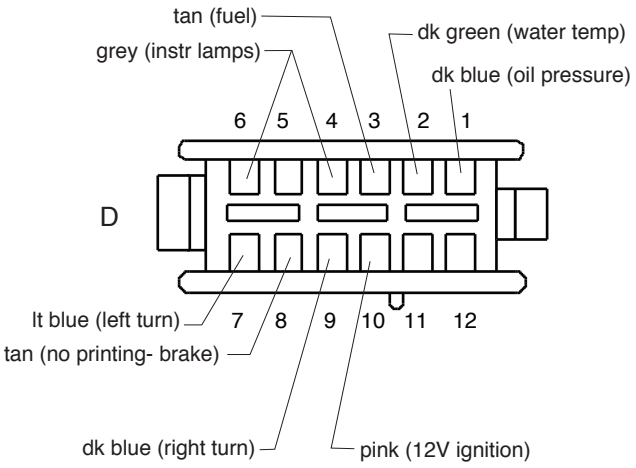
USE THIS SHEET TO CONNECT TO AN ORIGINAL 1967-68 FIREBIRD FACTORY INSTRUMENT CLUSTER WITH A CIRCUIT BOARD CONNECTION

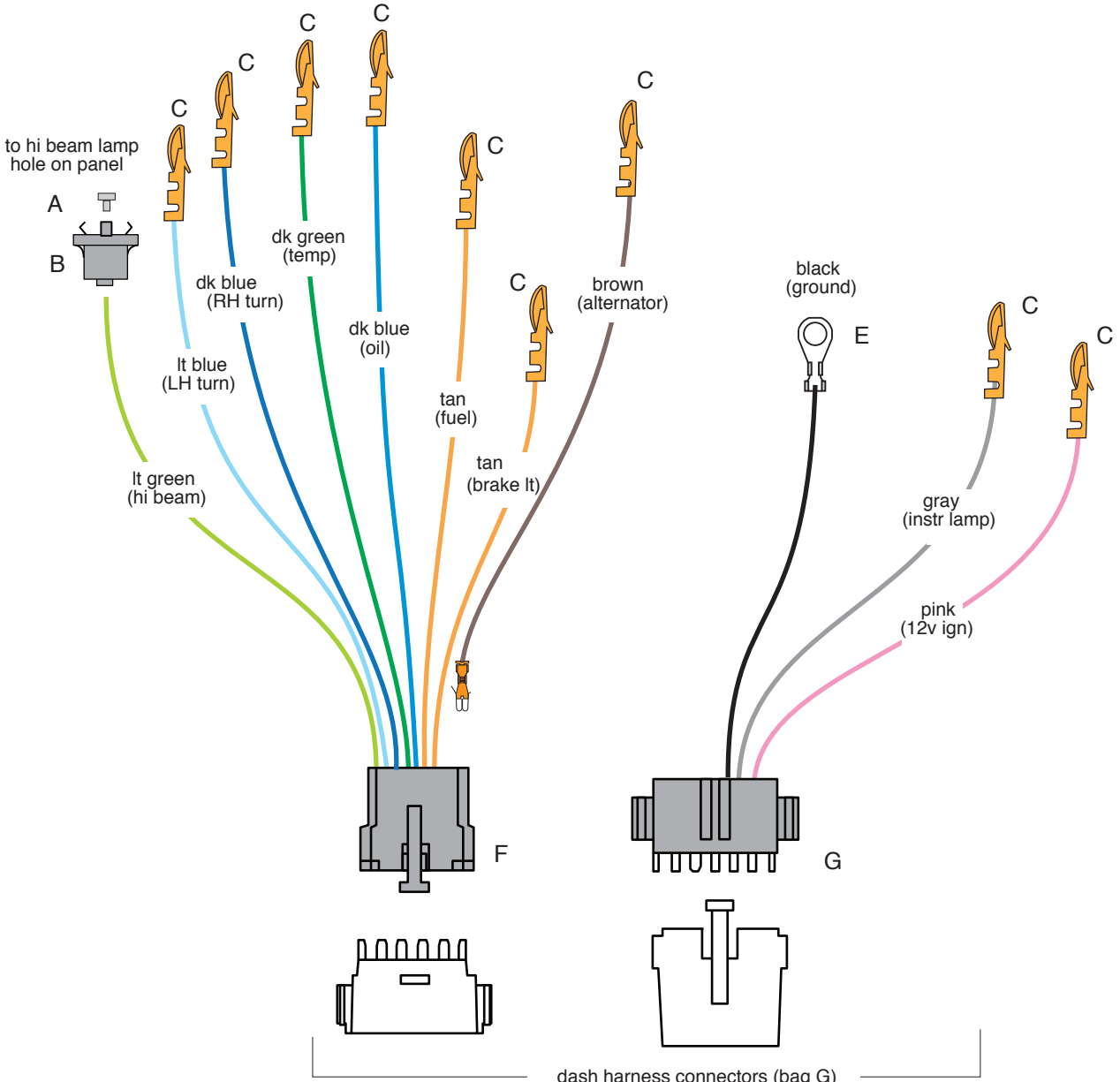
NOTE: This kit will not support the use of a factory installed ammeter

CIRCUIT BOARD CONNECTOR
WITHOUT GAUGES



CIRCUIT BOARD CONNECTOR
WITH GAUGES

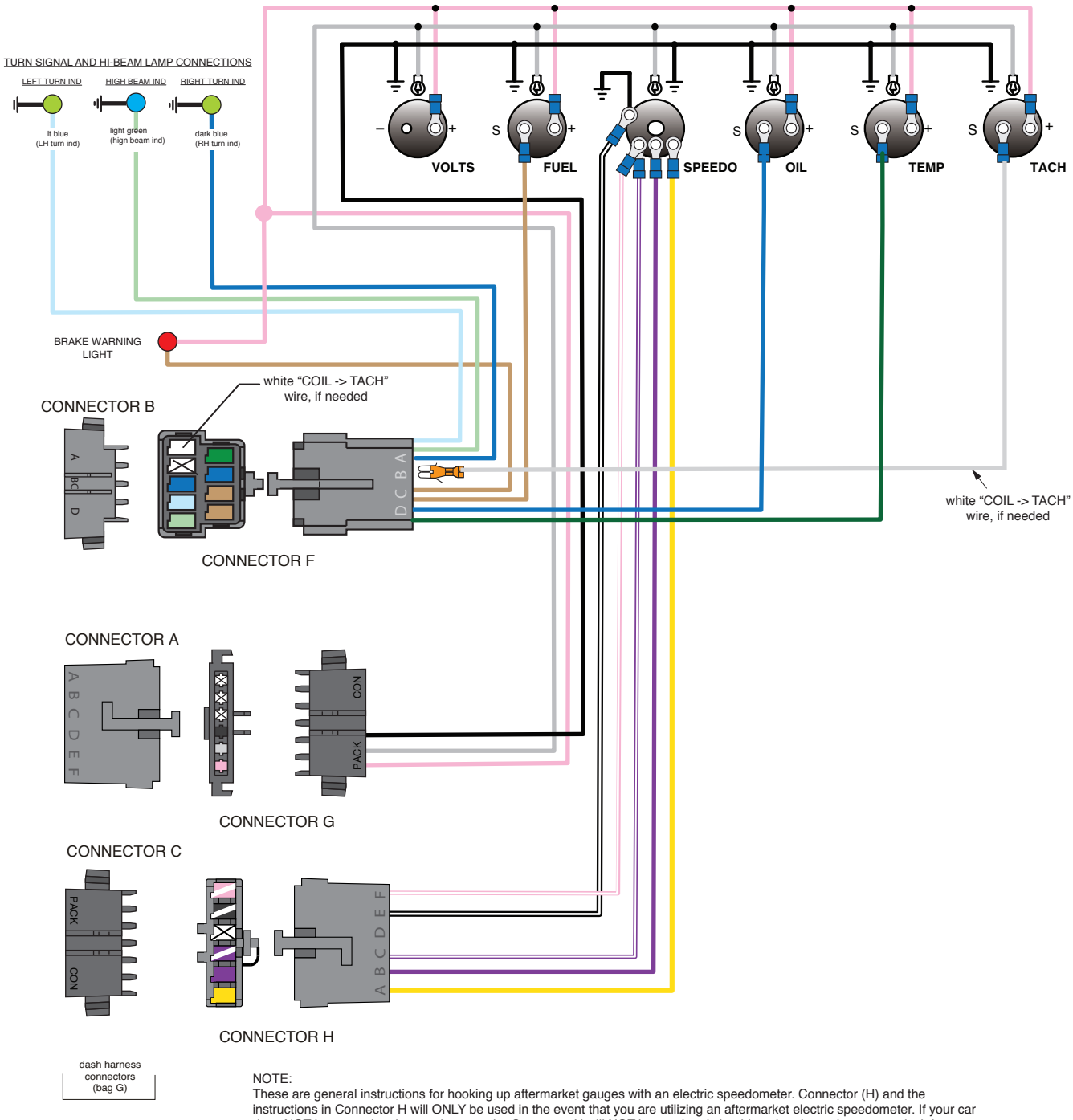




dash harness connectors (bag G)

Gauge Cluster harness (aftermarket gauges) installation instructions:

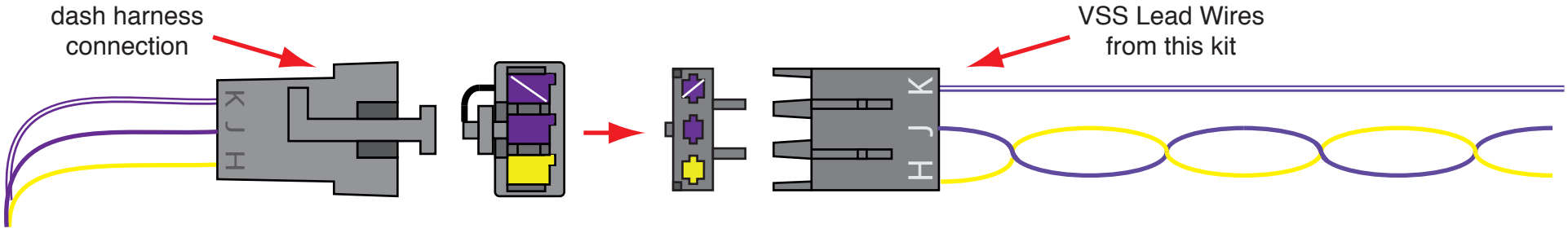
Classic Update Series



NOTE:
These are general instructions for hooking up aftermarket gauges with an electric speedometer. Connector (H) and the instructions in Connector H will ONLY be used in the event that you are utilizing an aftermarket electric speedometer. If your car does NOT have an electric speedometer, the Connector H will NOT be used and should not be plugged onto your dash harness. It is best to consult the speedometer manufacturer's instructions if you have any questions.

Yellow	VSS Ground	Connect to VSS neg. "-" on speedometer.
Purple	VSS Signal	Connect to VSS input on speedometer.
Purple/White	VSS Power	Connect to 12V power on speedometer.
Black/White	Speedo Ground	Connect to ground on speedometer.
Pink/White	Speedo Power	Connect to 12v power on speedometer. NOTE: This wire will double onto the same stud as the purple/white VSS power wire from above.

Electric Speedo VSS extension connection:



If you are using an aftermarket electric speedometer in your vehicle, you will need to connect the vehicle speed sensor (VSS) Lead Wires from this kit to the dash side connection of your dash harness. The yellow and solid purple wires must remain twisted together as shown above. These three wires will need to pass through the firewall or floor of your vehicle down to the vehicle speed sensor unit in the transmission. Generally, the solid purple wire connects to the “signal” lead, the yellow wire connects to the “ground” lead, and the purple/white stripe wire connects to the “12 volt power” lead on the vehicle speed sensor assembly. However, you should consult the directions that came with your gauges, and connect your vehicle speed sensor per the manufacturer’s instructions.

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bag V

VSS LEAD WIRES

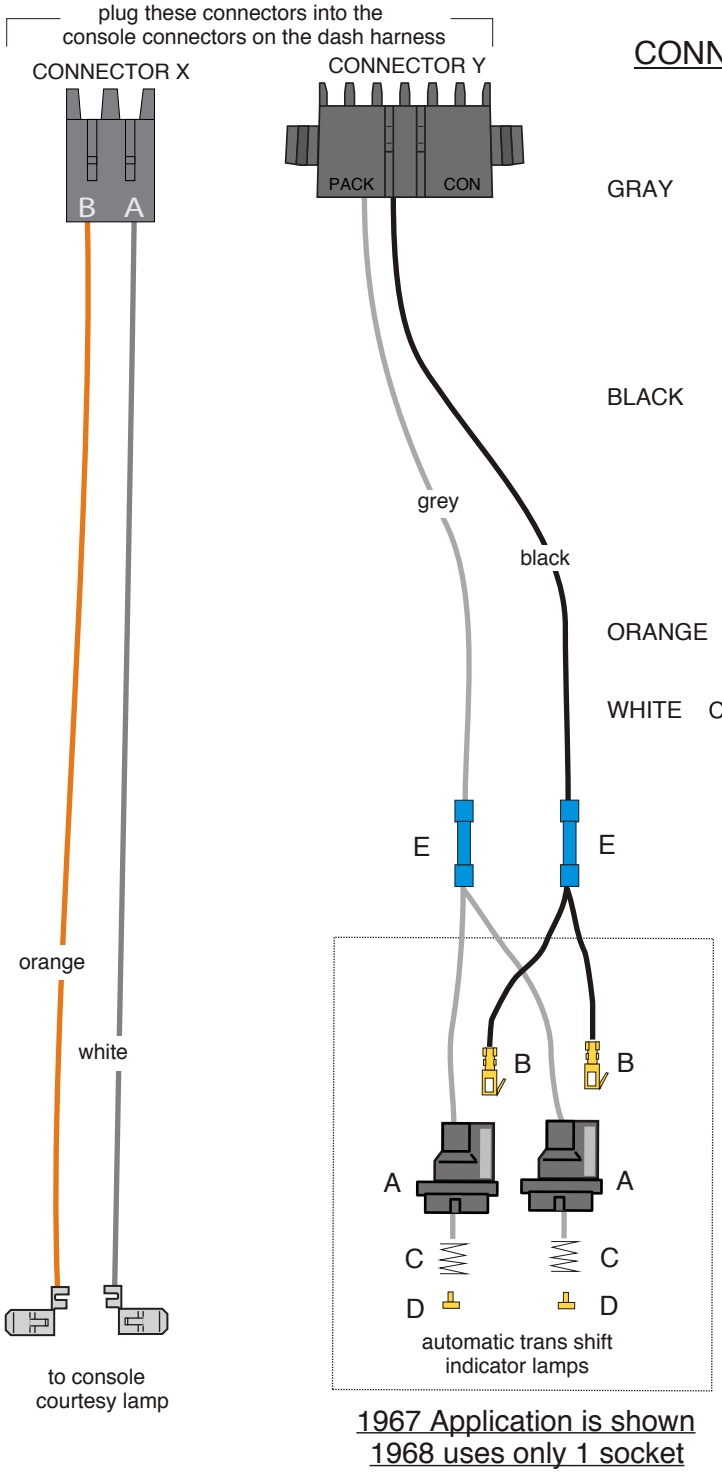
Various Applications

Classic Update Series

510730

92972371 Rev 0.0 4/9/2019

Classic Update Series



1967 Application is shown
1968 uses only 1 socket

CONNECTING TO 1967-68 Firebird FACTORY CONSOLE

GRAY Lamps — Plug connector Y into mating connector on dash harness 500662, sheet 3, item #11 and route the loose end down to the console area, and cut to length. With remaining wire, install lamp sockets as shown on this sheet using light socket A, spring C, and rivet D, then using butt splice connector E join back together with wire from connector Y. NOTE: If using for a 1968 application, you may route wire to console area and install a single lamp socket as outlined above leaving wire longer and eliminating the need for splicing the wires back together.

BLACK Ground — Plug connector Y into mating connector on dash harness 500662, sheet 3, item #11 and route the loose end down to the console area, and cut to length. With remaining wire, install terminal B onto wire and plug into assembled lamp sockets as shown on this sheet, then using butt splice connector E, join back together with wire from connector Y. NOTE: If using for a 1968 application, you may route wire to console area and install terminal onto wire and plug directly into single lamp socket as outlined above, leaving wire longer and eliminating the need for splicing the wires back together.

ORANGE 12v Battery — Plug connector X into mating connector on dash harness 500662, sheet 3, item #11 and route the other end to the rear of the console and install in either location. NOTE: This wire only used in 1967 applications.

WHITE Ctsy Grnd — Plug connector X into mating connector on dash harness 500662, sheet 3, item #11 and route the other end to the rear of the console and install into the opposite location that the orange wire was installed. NOTE: This wire only used in 1967 applications.

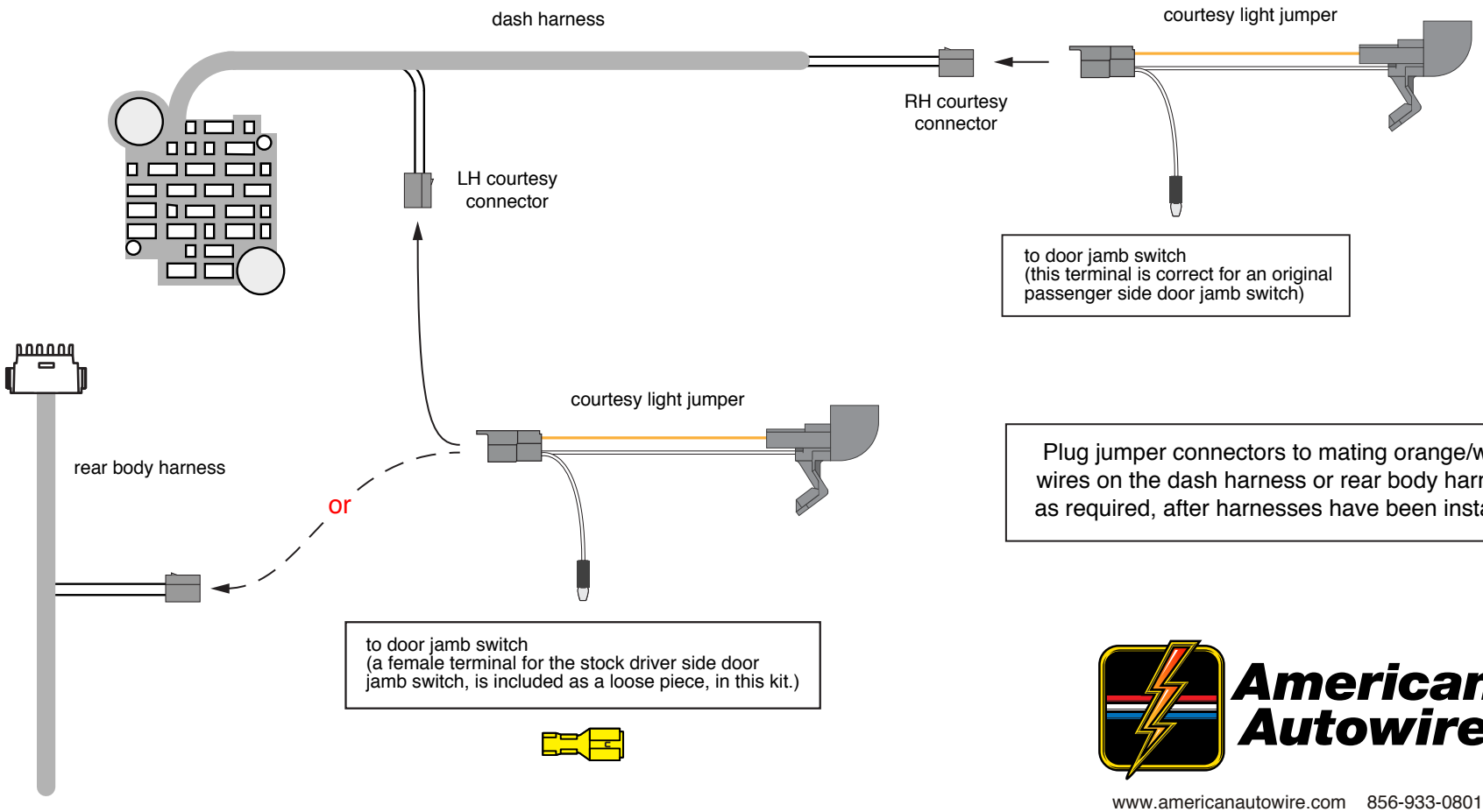
Classic Update Series

1967-68 Firebird

Console Kit

500889

92967721 Rev 0.1 7/12/2017



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 #

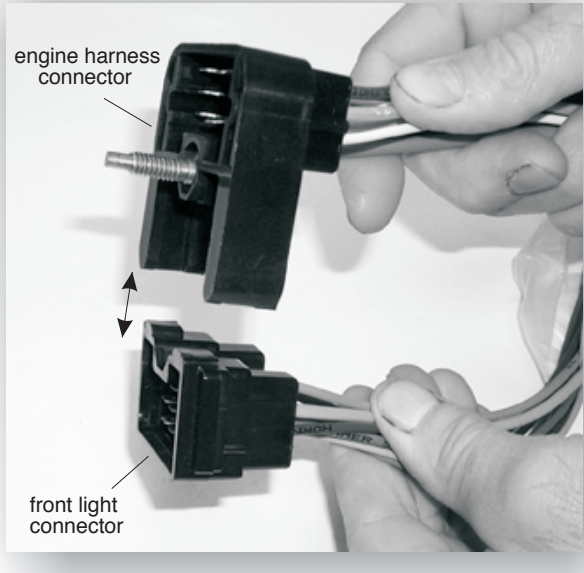
500708 N

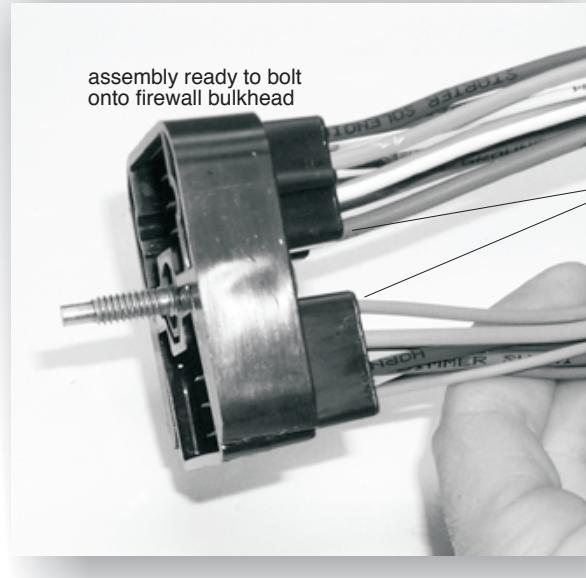
DESCRIPTION:

Courtesy Light Kit

92966085 Rev 1.1 6/27/2016

Classic Update Series





The bulkhead connector from this Engine kit must snap into the mating engine connector (bag L), 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 engine 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

bag J

1967-69 Camaro
1970-73 Camaro
1969-72 Nova
1967-68 Firebird

ENGINE KIT

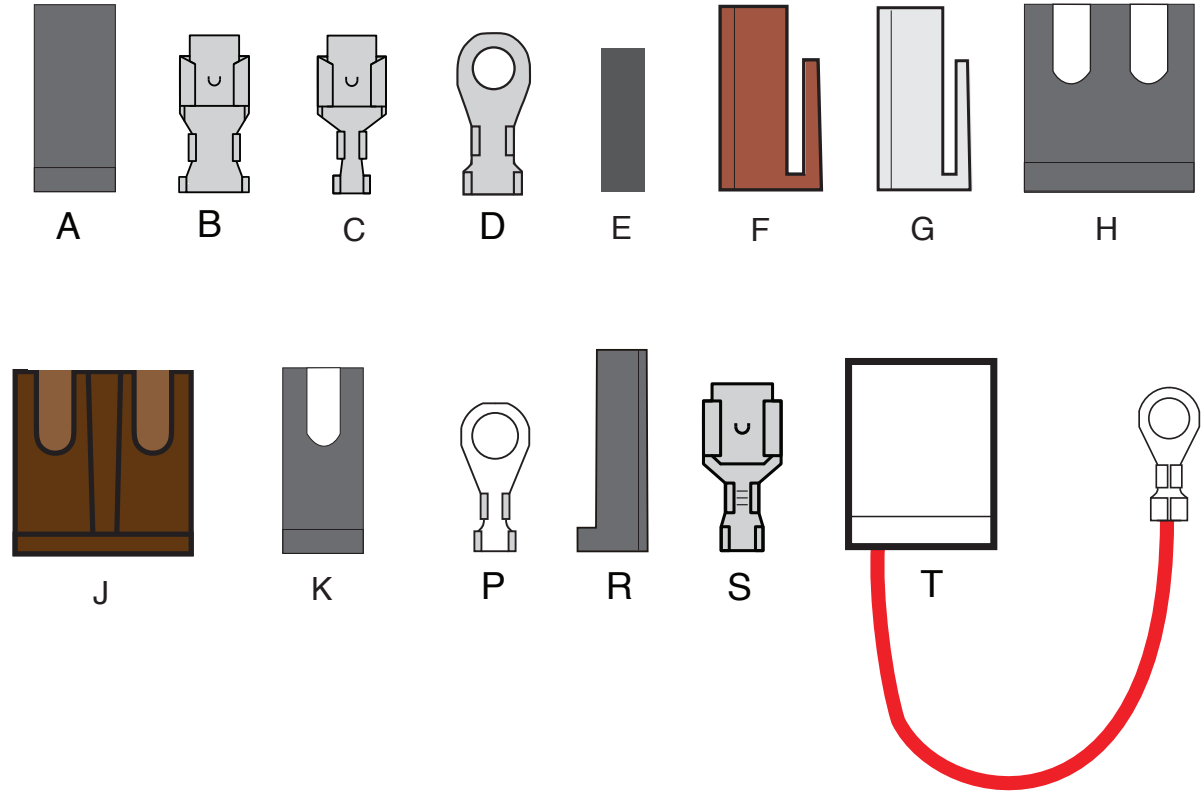
510510

92972434 instruction rev 1.0 11/11/2020

Classic Update Series

Terminals used in this installation.

This kit contains loose piece terminals and connectors necessary to complete a connection to a specific component. Each connection on the instruction sheet identifies specific parts by a letter code that corresponds to the letter code on a part picture identified below. The parts below are shown in actual size to help in identification. This kit will only contain those parts required for the connections in the specific sub-kit you are working on. Just match the part to the picture below to identify the part letter code you will see on the instruction sheet for the sub-kit harness you are working on. We have supplied additional terminals in the event that extra terminals are necessary.



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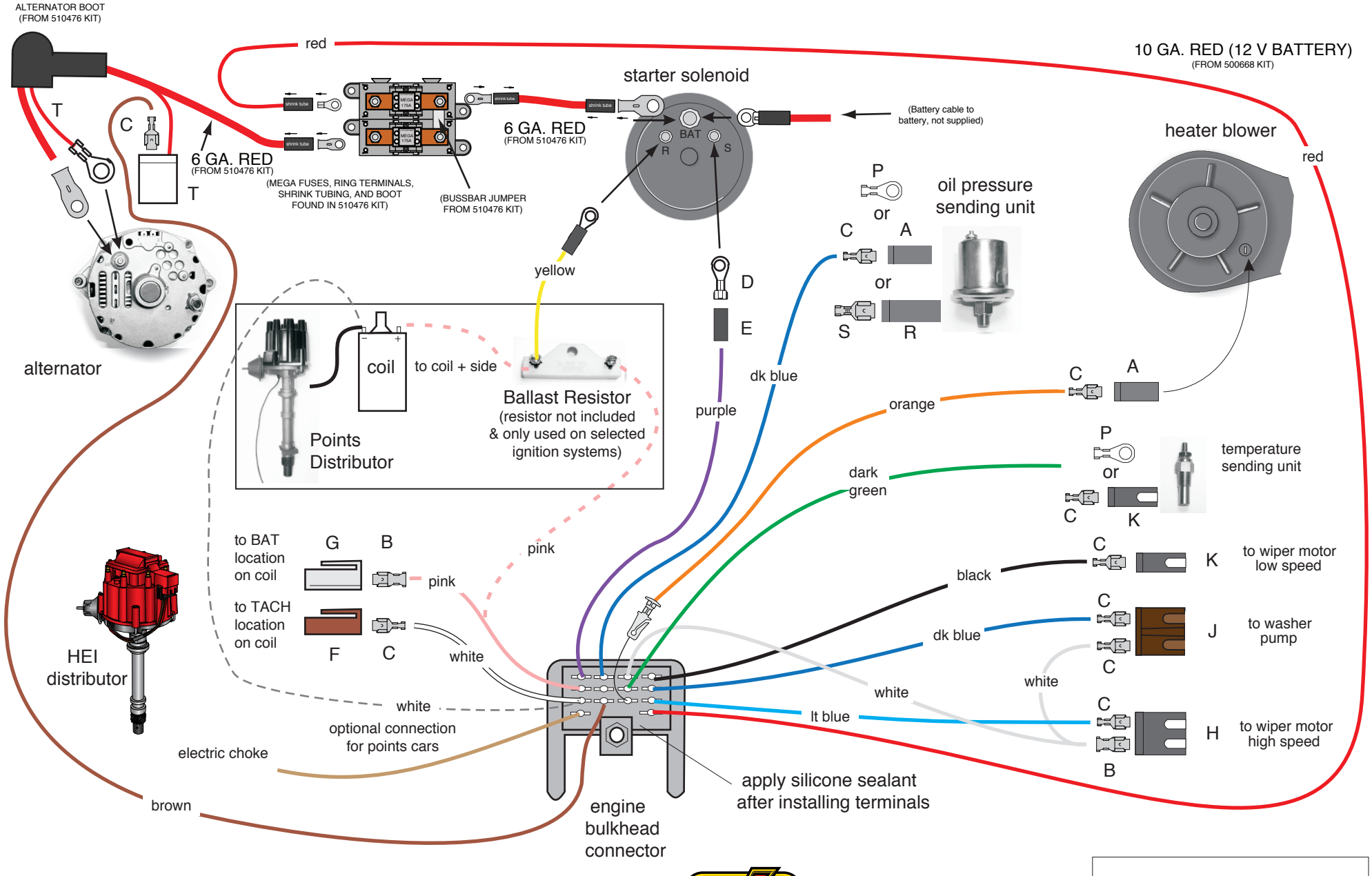
ENGINE KIT

510510

92972434 instruction rev 1.0 11/11/2020



NOTE: See page 5 of this instruction set for some typical wiper connection photographs

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ENGINE KIT

510510

92972434 instruction rev 1.0 11/11/2020

Classic Update Series

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 Megafuse and cut to length. Use ring terminal, shrink tubing from 510476 kit. Connect as shown on sheet 3.
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, terminal C with connector A, or terminal S with connector R.
ORANGE	HEAT / AIR	If using after-market air conditioning, this wire will not be used. 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. Plug the other end into the engine bulkhead connector as shown on sheet 3.
DK GREEN	WATER TEMP SENDER	Connect this wire to the temperature sending unit using terminal P or terminal C with connector K (depending on your sending 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.
PINK YELLOW	12V IGNITION STARTER SOLENOID-R	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 (STARTER SOLENOID-R) 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. Connect the distributor input lead wire to the coil negative (-) 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.
TAN	ELECTRIC CHOKE	If you are using a carburetor with an electric choke, connect this wire to the electric choke connection. If you are not using an electric choke or a turbo 400 transmission, remove this wire from the engine bulkhead connector

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 3 and 5 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 5.
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 3.
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 3.
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 3. 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 3. Plug connector H onto the high speed terminals of the wiper motor as shown on sheet 5. Plug connector J onto the washer pump terminals of the wiper motor as shown on sheet 5.

ALTERNATOR WIRES:

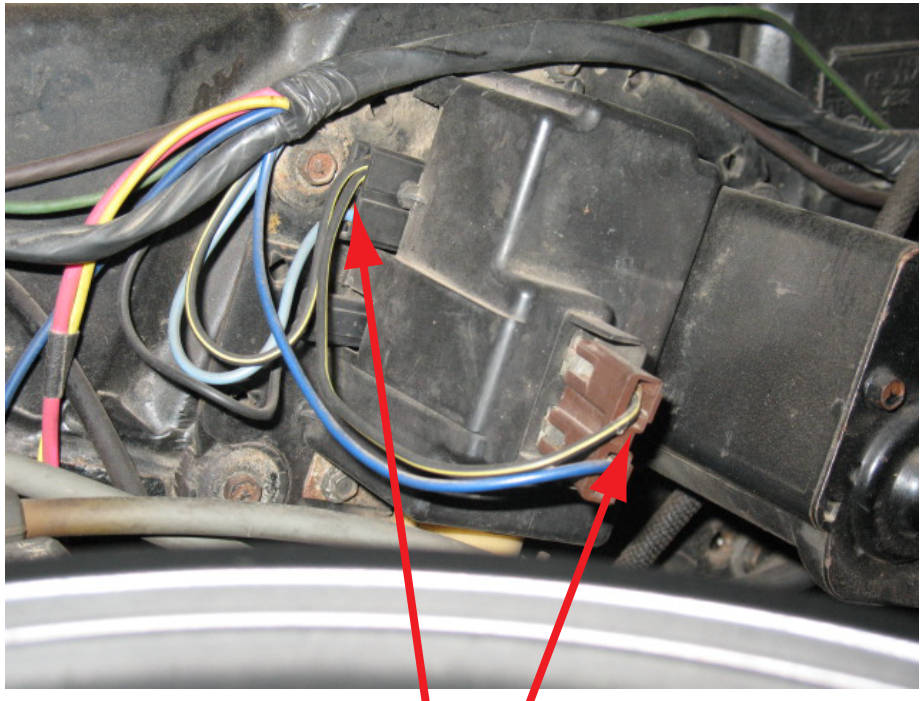
HEAVY RED		Use the 6ga red wire, boot and ring terminal from the 510476, route from alternator to the Megafuse and cut to length. Connect as shown on sheet 3.
SMALL RED		Send the ring terminal end of pigtail T through the boot (as shown on sheet 3) and connect to the battery stud on alternator. Do not plug the connector into the alternator yet as the exciter wire (Brown) needs to be added before the connector is plugged in.
BROWN	ALTERNATOR IGN	Route this wire to the alternator and cut to length. Install terminal C and plug into the regulator connector as shown on sheet 3.

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.

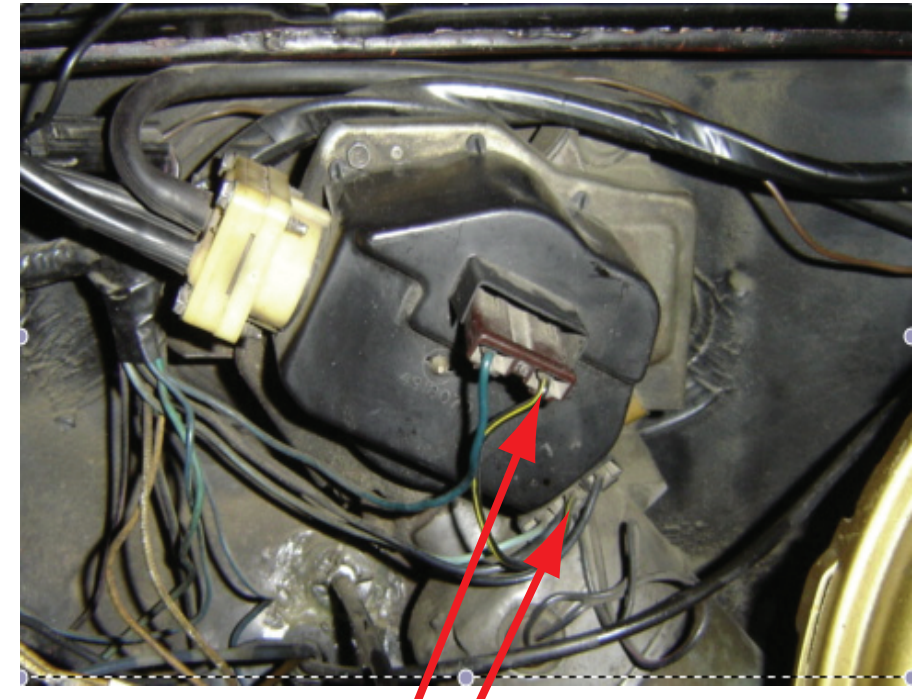
ENGINE KIT

510510

92972434 instruction rev 1.0 11/11/2020



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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ENGINE KIT

510510

92972434 instruction rev 1.0 11/11/2020

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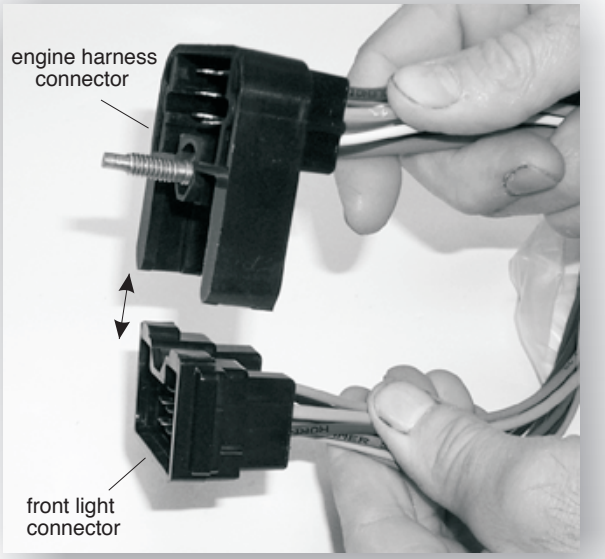
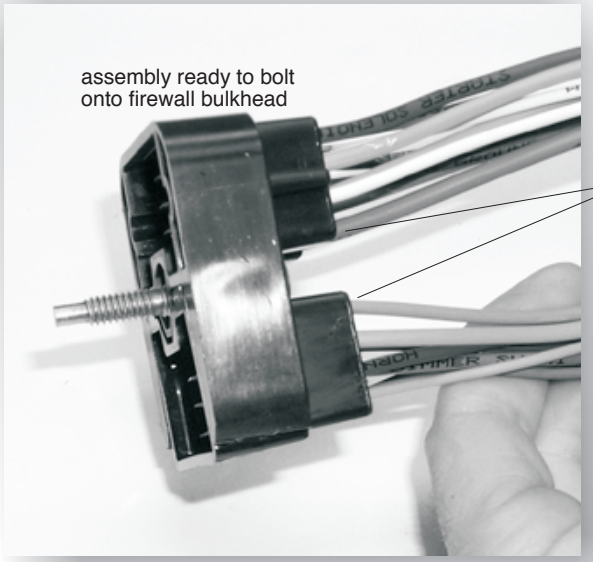
ENGINE KIT
510510
92972434 instruction rev 1.0 11/11/2020

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!

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Classic Update Series

bag L

FRONT LIGHT KIT

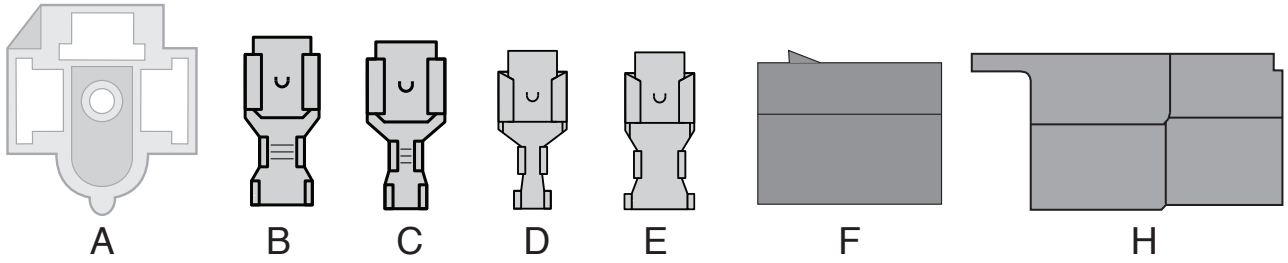
510511

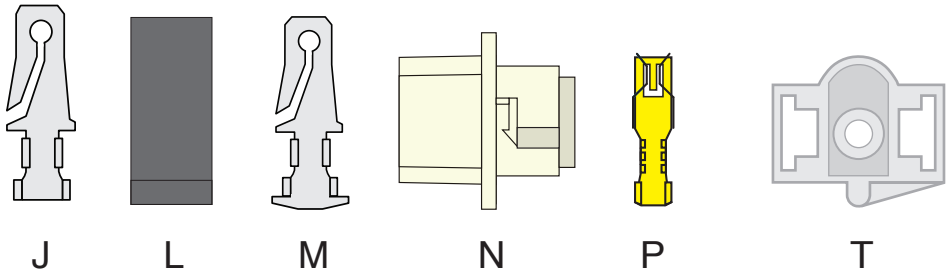
92972437 instruction rev 0.0 7/21/2019

Classic Update Series

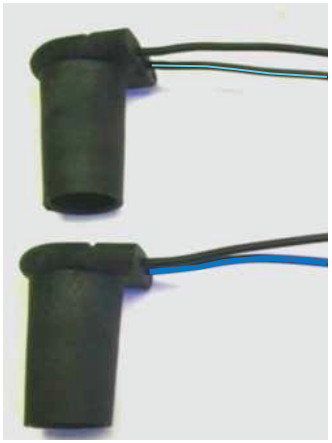
Terminals used in this installation.

This kit contains loose piece terminals and connectors necessary to complete a connection to a specific component. Each connection on the instruction sheet identifies specific parts by a letter code that corresponds to the letter code on a part picture identified below. The parts below are shown in actual size to help in identification. This kit will only contain those parts required for the connections in the specific sub-kit you are working on. Just match the part to the picture below to identify the part letter code you will see on the instruction sheet for the sub-kit harness you are working on. We have supplied a few additional terminals in the event that extra ones are necessary.



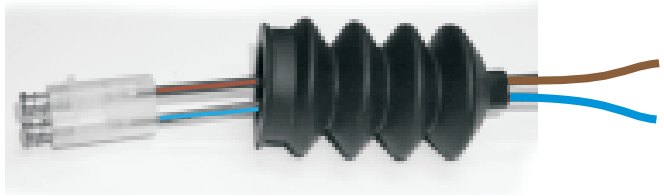


U



REF: These extensions can be found in 500887

V



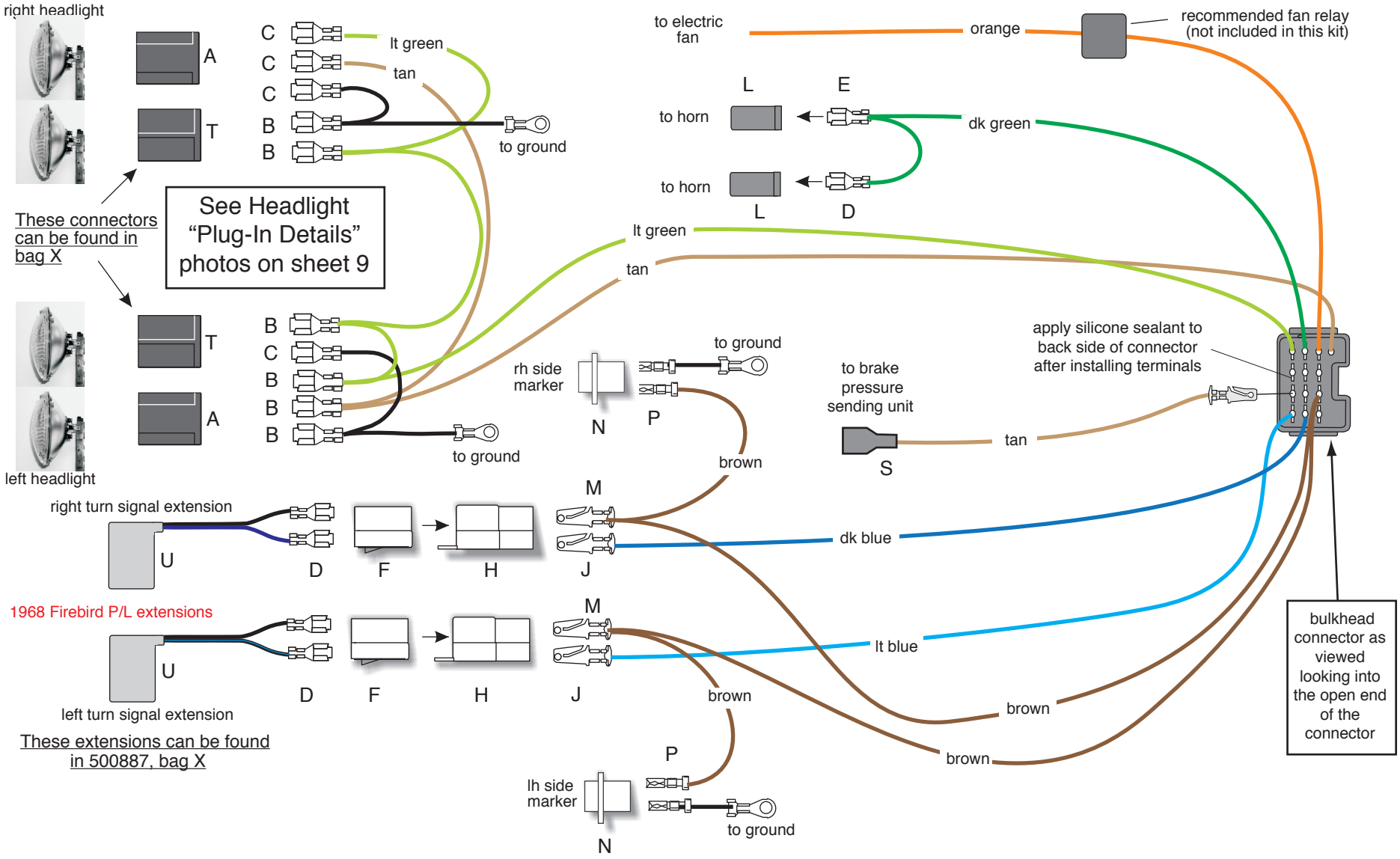
REF: These extensions can be found in 500737

FRONT LIGHT KIT

510511

92972437 instruction rev 0.0 7/21/2019

Classic Update Series



1967-68 Firebird
Front Light

FRONT LIGHT KIT

510511

92972437 instruction rev 0.0 7/21/2019

1967-68 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.

LIGHT BLUE	LEFT FRONT TURN	Route this wire to the LH turn signal lamp install terminal J, and plug into connector H as shown on sheet 7.
DARK BLUE	RIGHT FRONT TURN	Route this wire to the RH turn signal lamp install terminal J, and plug into connector H as shown on sheet 7.
BROWN	PARK LIGHTS	Route one of the brown wires from the bulkhead connector to the LH (driver side) 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 light blue wire from above as shown on sheet 7. Route the other end of this brown wire connection to the LH side marker lamp, cut to length, install terminal P, and plug this connection into the LH side marker lamp socket N as shown on sheet 7. (Also plug the pre-assembled black ground wire into lamp socket N, as shown on sheet 7.) Route the other brown wire from the bulkhead connector 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 dark blue wire from above as shown on sheet 7. Route the other end of this brown wire connection to the RH side marker lamp, cut to length, install terminal P, and plug this connection into the RH side marker lamp socket N as shown on sheet 7. (Also plug the pre-assembled black ground wire into lamp socket N, as shown on sheet 7.)

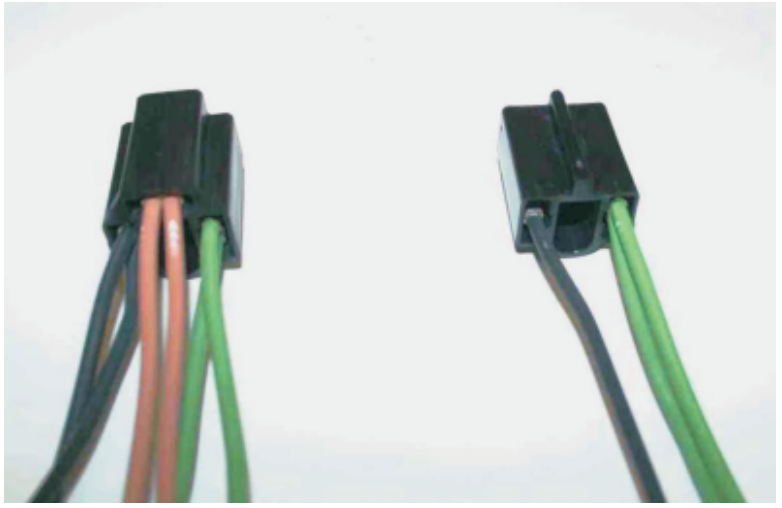
NOTE: The running and directional light housings on all 1968 Firebirds utilized a unique connection assembly. We have provided you with two pigtails U (500887, bag X) to plug into your factory housings. The black-black/light blue is for your LH (driver side) lamp, and the black/dark blue is for the RH (passenger side) lamp. Plug these pigtails onto your lamp housings, trim the wires to length, install terminals D and plug into connectors F as shown on sheet 7. Plug completed pigtail assemblies U, with connector F installed on them, into connectors H (as shown on sheet 7) to complete your front parking lamp circuits. The running and directional light assemblies on all 1967 Firebirds will simply plug into the completed connectors H from above.

TAN	HEADLIGHT LOW BEAM	Route this wire to the driver side outer 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 9. Route the remaining portion of this tan wire to the passenger side outer headlight and trim to length. Install terminal C and plug into connector A, in the location shown on sheet 9.
LIGHT GREEN	HEADLIGHT HIGH BEAM	Route this wire to the driver side outer headlight and trim to length. Double this wire with the cut off portion and install terminal B. Plug this terminal into connector A, make a short jumper over to the driver side inner headlight, cut to length, double it with the cutoff portion, install terminal B, and plug it into connector T in the location shown on sheet 9. Route the remaining portion of this lt green wire to the passenger side inner headlight and trim to length. Double this wire with the cutoff portion, install terminal B and plug into connector T as shown on sheet 9. Make a short jumper over to the passenger side outer headlight, cut to length, double it with the cutoff portion, install terminal C, and plug it into connector A in the location shown on sheet 9.
BLACK	GROUND	Route this wire to the driver side outer headlight and trim to length. Double this wire with the cutoff portion, and install terminal B. Plug this terminal into connector A, take the short jumper over to the driver side inner headlight, cut to length, install terminal C, and plug it into connector T in the location shown on sheet 9. Repeat this process for the passenger side.
DARK GREEN	HORN	Route to horns and install terminals D & E, as shown on sheet 7, Plug into connectors L.
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. American Autowire manufactures relay kits for this application.
TAN	BRAKE LIGHT SWITCH	Plug wire pigtail S into the front light connector in the location shown on sheet 7. Plug the other end onto the stock brake sender switch as shown on sheet 7.

92972437 instruction rev 0.0 7/21/2019

Headlight Connector “Plug-In Details”

1967-73 Camaro All
1968-72 Nova All



1967-68 Firebird (only)

FRONT LIGHT KIT

510511

92972437 instruction rev 0.0 7/21/2019

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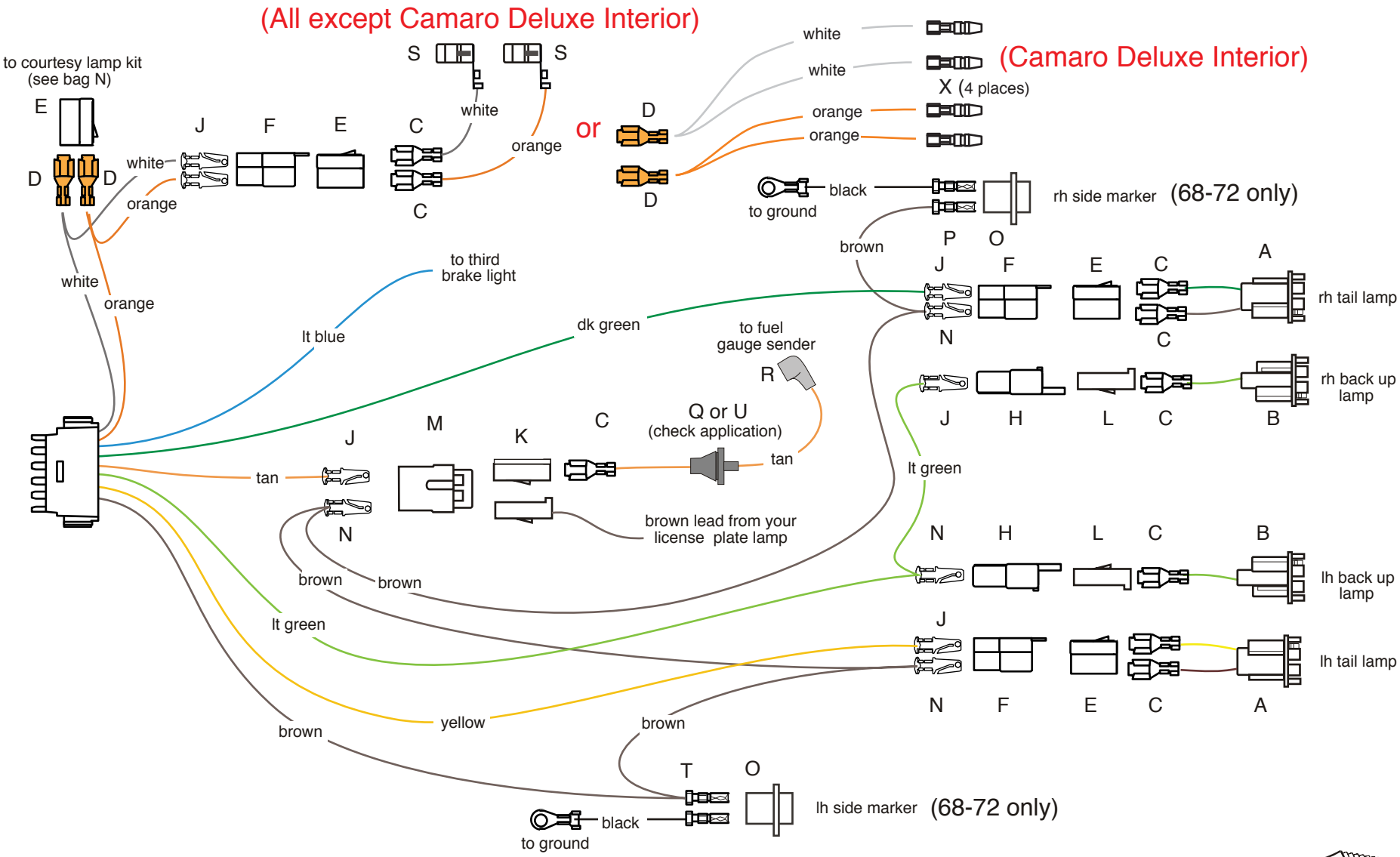
FRONT LIGHT KIT

510511

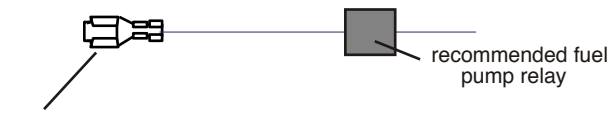
92972437 instruction rev 0.0 7/21/2019

Classic Update Series

(All except Camaro Deluxe Interior)



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.

USE THIS SHEET FOR A
67-68 CAMARO NON-RALLY SPORT CAR
OR 69-72 NOVA

American Autowire

www.americanautowire.com 856-933-0801

Classic Update Series

bag M

REAR BODY KIT

500673

92965933 instruction Rev 4.1 5/12/2017

Classic Update Series

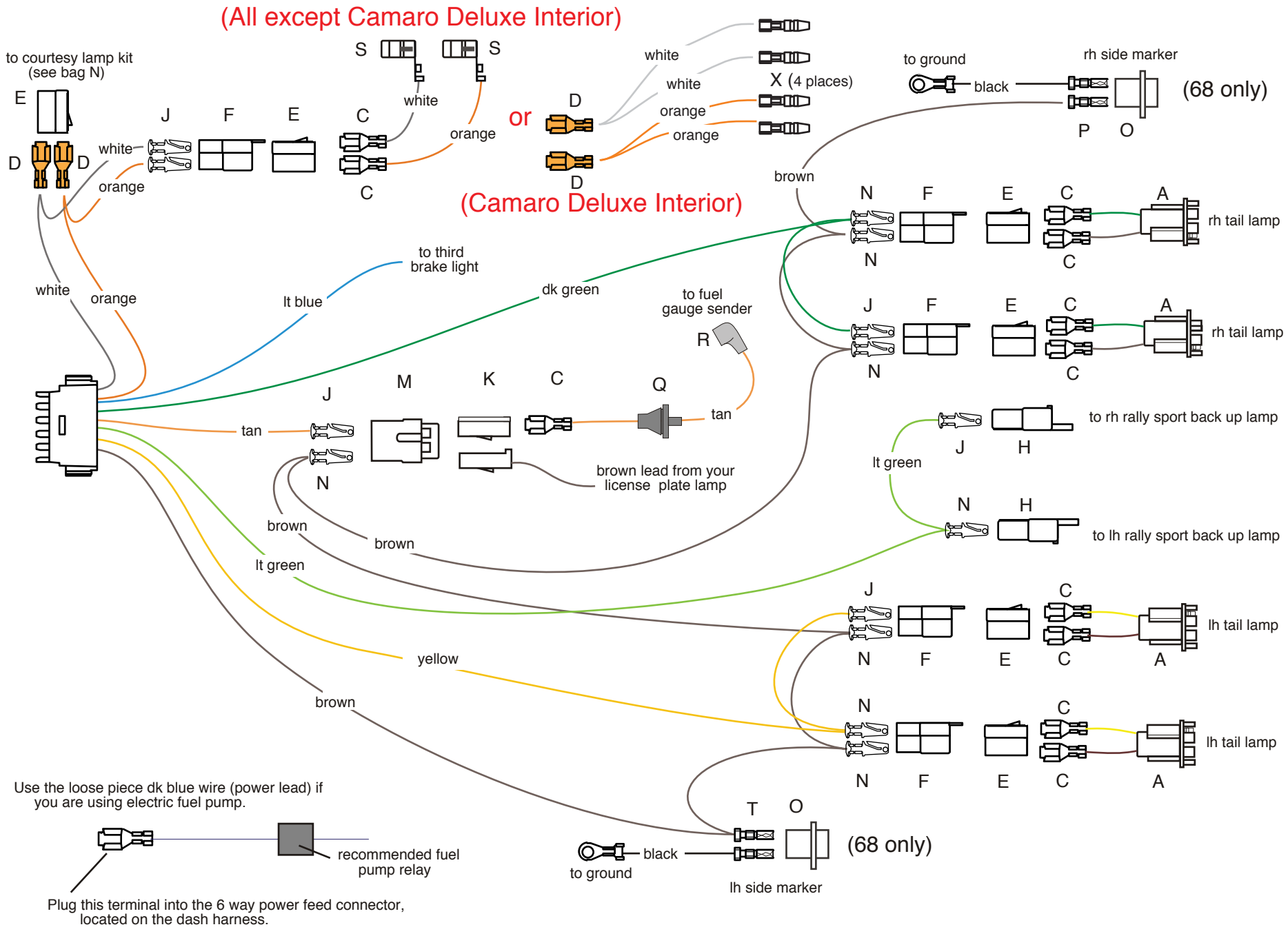
USE THIS SHEET FOR A NON-RALLY SPORT CAMARO OR NOVA

Connect the main connector to the mating connector on the dash harness 500662 bag G. Route this harness along door sill and into the trunk.

A	LIGHT BLUE	Third brake light	Connect to the third brake lamp, if equipped.
B	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.
C	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 for a Camaro or U for a Nova in the 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. 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.)
D			
E	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, install terminal N, and plug this terminal into connector F in the 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, install terminal N and plug this terminal into connector M, in location shown on sheet 1. Route the loose end to the RH Tail lamp and cut to length. Double this wire with the cut off portion, install terminal N and plug this terminal into connector F, in the location shown on sheet 1. Route the loose end to the right side marker, trim to length, install terminal P, and plug into lamp socket O.
F			
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) and attach to ground.
J	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.
K	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.
L	LIGHT GREEN	Back up lamp feed	Route this wire to the LH back up lamp, 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	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 (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 connector F. (Note: a factory dome lamp harness will also plug into this connector if you are not replacing the headliner at this time.) For a roof mounted single dome lamp, install the loose white 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 white wire in connector F. If you are using dual sail panel dome lamps on a Camaro with Deluxe Interior, we have included a long loose white wire in this kit. Install terminal V onto one end of that wire, plug that terminal into one of the dual sail panel lamps and route that wire to connector F (on white wire) location and trim to length. Install terminal V onto the remainder of the cut off portion of the white wire, plug that terminal into the other dual sail panel lamp and route that wire to connector F (on white wire) location and trim to length. Double these wires together using terminal D and plug into connector E maintaining color continuity with connector F at the rear pillar area. Plug connector E into connector F to complete the dome lamp circuit.
N			
O			
P	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 (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 connector F. (Note: a factory dome lamp harness will also plug into this connector if you are not replacing the headliner at this time.) For a roof mounted single dome lamp, 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. If you are using dual sail panel dome lamps on a Camaro with Deluxe Interior, we have included a long loose orange wire in this kit. Install terminal X onto one end of that wire, plug that terminal into one of the dual sail panel lamps and route that wire to connector F (on orange wire) location and trim to length. Install terminal X onto the remainder of the cut off portion of the orange wire, plug that terminal into the other dual sail panel lamp and route that wire to connector F (on orange wire) location and trim to length. Double these wires together using terminal D and plug into connector E maintaining color continuity with connector F at the rear pillar area. Plug connector E into connector F to complete the dome lamp circuit.
Q (larger dia)			
R			
S			
T			
U (smaller dia)	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).
X			

92965933 instruction Rev 4.1 5/12/2017

Classic Update Series

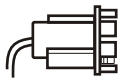
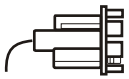
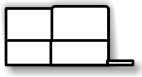
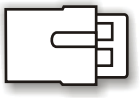
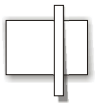


USE THIS SHEET FOR A 67-68 CAMARO RALLY SPORT CAR

REAR BODY KIT
500673
92965933 instruction Rev 4.1 5/12/2017

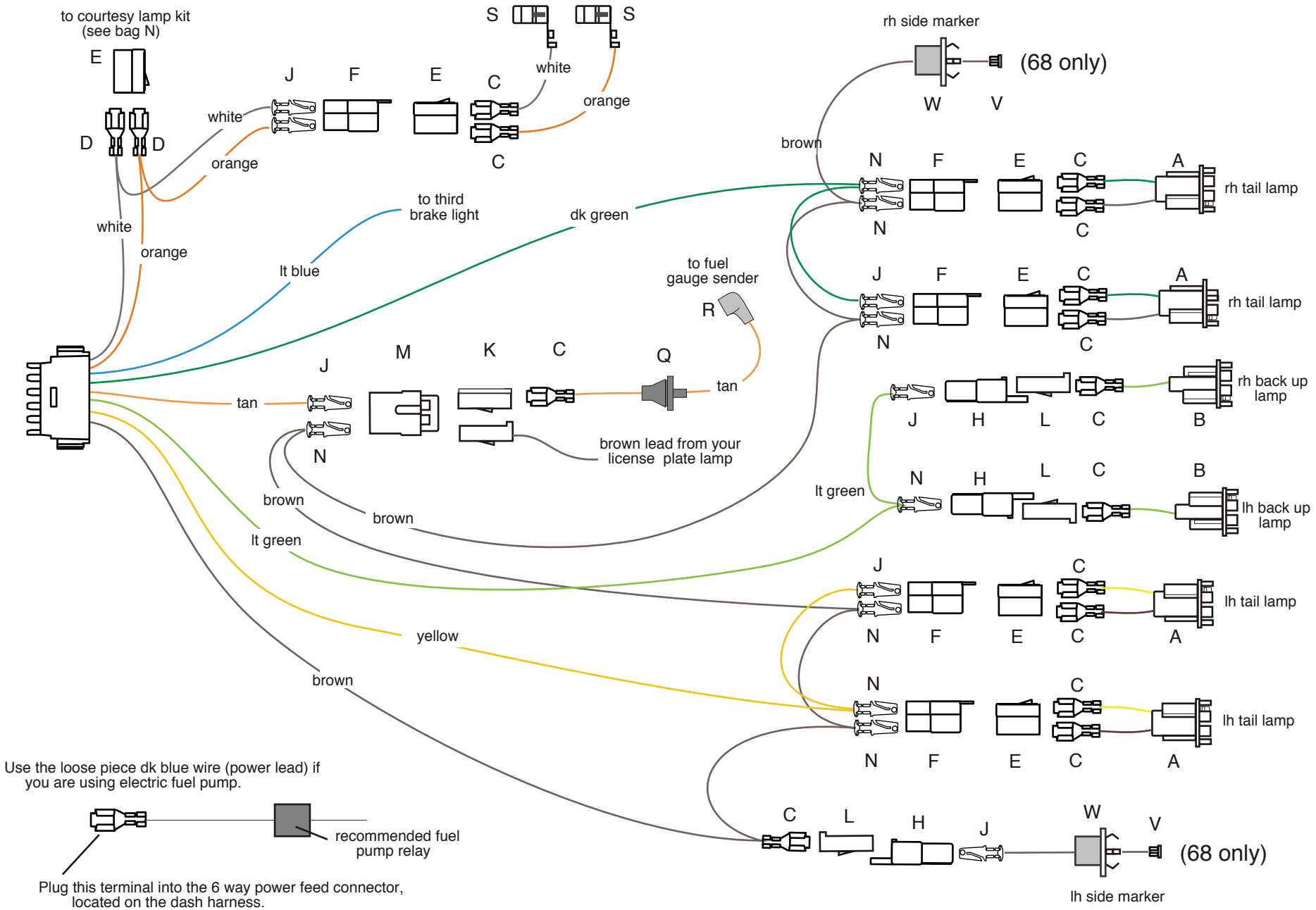
USE THIS SHEET FOR A CAMARO RALLY SPORT CAR

Classic Update Series

A			Connect the main connector to the mating connector on the dash harness 500662 bag G. Route this harness along door sill and into the trunk.
		LIGHT BLUE	Third brake light — Connect to the third brake lamp, if equipped.
		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 3.
B		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 5. 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. 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.)
C			
D		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 outboard tail lamp, cut to length, and double this wire with the cut off portion using terminal N. Plug this terminal into connector F in the location shown on sheet 5. Route the loose end to the LH inboard tail lamp, cut to length, and double this wire with the cut off portion using terminal N. Plug this terminal into connector F in the location shown on sheet 5. Route the loose end to connector M (from the tan wire above), cut to length, and double this wire with the cut off portion using terminal N. Plug this terminal into connector M in the location shown on sheet 5. Route the loose end to the RH inboard tail lamp, cut to length, and double this wire with the cut off portion using terminal N. Plug this terminal into connector F in the location shown on sheet 5. Route the loose end to the RH outboard tail lamp, cut to length, and double this wire with the cut off portion using terminal N. Plug this terminal into connector F in the location shown on sheet 5. Route the loose end to the right side marker, cut to length, install terminal P, and plug into lamp socket O.
E			
F			
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) and attach to ground.
J		YELLOW	LH Stop / Tail — Route this wire to the LH outboard tail lamp and cut to length. Double this wire with the cut off portion and install terminal N. Plug this wire into connector F from above. Route the loose end to the inboard LH tail lamp and cut to length. Install terminal J and plug into connector F, as shown on sheet 5. Install terminals C and connector E on the tail lamp pigtails A, maintaining color continuity with connector F. Plug connector E into connector F.
K		DK GREEN	RH Stop / Tail — Route this wire to the RH outboard tail lamp and cut to length. Double this wire with the cut off portion and install terminal N. Plug this wire into connector F from above. Route the loose end to the inboard RH tail lamp and cut to length. Install terminal J and plug into connector F, as shown on sheet 5. Install terminals C and connector E on the tail lamp pigtails A, maintaining color continuity with connector F. Plug connector E into connector F.
L		LIGHT GREEN	Back up lamp feed — Route this wire to the LH back up lamp area and trim to length. Double this wire with the cut off portion and install terminal N and connector H. Plug connector H into your LH Rally Sport back up lamp assembly. Route the loose end of the lt green wire to the RH back up lamp area and trim to length. Install terminal J and connector H. Plug connector H into your RH Rally Sport back up lamp assembly.
M		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 (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 connector F. (Note: a factory dome lamp harness will also plug into this connector if you are not replacing the headliner at this time.) For a roof mounted single dome lamp, install the loose white 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 white wire in connector F. If you are using dual sail panel dome lamps on a Camaro with Deluxe Interior, we have included a long loose white wire in this kit. Install terminal X onto one end of that wire, plug that terminal into one of the dual sail panel lamps and route that wire to connector F (on white wire) location and trim to length. Install terminal X onto the remainder of the cut off portion of the white wire, plug that terminal into the other dual sail panel lamp and route that wire to connector F (on white wire) location and trim to length. Double these wires together using terminal D and plug into connector E maintaining color continuity with connector F at the rear pillar area. Plug connector E into connector F to complete the dome lamp circuit.
N			
O			
P			
		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 (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 connector F. (Note: a factory dome lamp harness will also plug into this connector if you are not replacing the headliner at this time.) For a roof mounted single dome lamp, 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. If you are using dual sail panel dome lamps on a Camaro with Deluxe Interior, we have included a long loose orange wire in this kit. Install terminal X onto one end of that wire, plug that terminal into one of the dual sail panel lamps and route that wire to connector F (on orange wire) location and trim to length. Install terminal X onto the remainder of the cut off portion of the orange wire, plug that terminal into the other dual sail panel lamp and route that wire to connector F (on orange wire) location and trim to length. Double these wires together using terminal D and plug into connector E maintaining color continuity with connector F at the rear pillar area. Plug connector E into connector F to complete the dome lamp circuit.
Q			
R			
S			
T			
		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).
X			

92965933 instruction Rev 4.1 5/12/2017

Classic Update Series



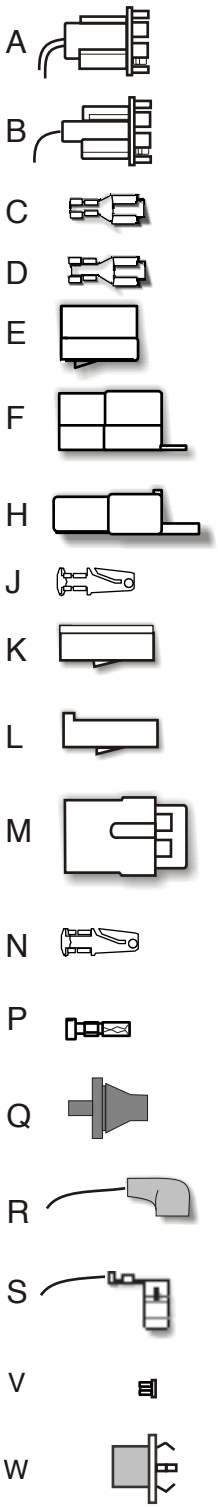
USE THIS SHEET FOR A 67-68 FIREBIRD

REAR BODY KIT
500673

92965933 instruction Rev 4.1 5/12/2017

Classic Update Series

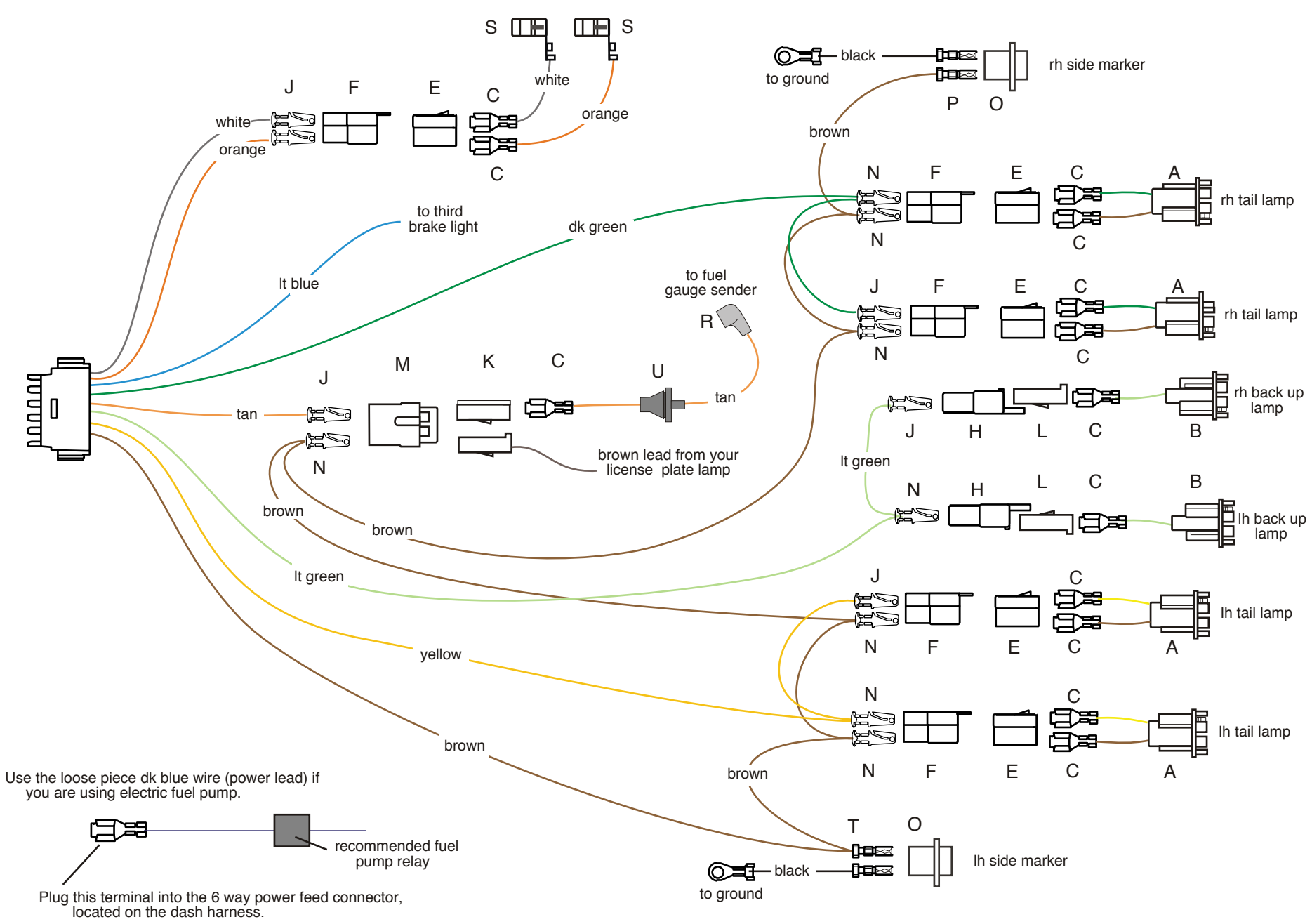
USE THIS SHEET FOR A 67-68 FIREBIRD



Connect the main connector to the mating connector on the dash harness 500662 bag G. Route this harness along door sill and into the trunk.

LIGHT BLUE	Third brake light	Connect to the third brake lamp, if equipped.
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 5.
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 5. 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.
		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.)
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 D and plug into connector K. Cut a 3 jumper wire & install terminal J and plug into connector L. Install the loose end of the jumper wire through light socket W and install terminal V. Route the loose end to the RH tail lamp. 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 5. Route the loose end to the other LH tail lamp and repeat. 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 5. Route the loose end to the RH tail lamps and repeat the procedure.
YELLOW	LH Stop / Tail	Route this wire to the LH tail lamp and cut to length. Double this wire with the cut off portion and install terminal N. Plug this wire into connector F from above. Route the loose end to the other LH tail lamp and cut to length. Install terminal J and plug into connector F, as shown on sheet 5. Install terminals C and connector E on the tail lamp pigtails A, maintaining color continuity with connector F. Plug connectors E into connectors F.
DK GREEN	RH Stop / Tail	Route this wire to the RH tail lamp and cut to length. Double this wire with the cut off portion and install terminal N. Plug this wire into connector F from above. Route the loose end to the other RH tail lamp and cut to length. Install terminal J and plug into connector F, as shown on sheet 5. Install terminals C and connector E on the tail lamp pigtails A, maintaining color continuity with connector F. Plug connectors E into connectors F.
LIGHT GREEN	Back up lamp feed	Route this wire to the LH back up lamp and trim to length. Double this wire with the cut off portion and install terminal N and connector H. Plug connector H into your Rally Sport back up lamp assembly. Route the loose end of the lt green wire to the right side back up lamp. Install terminal J and connector H. Plug connector H into your Rally Sport back up lamp assembly.
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).
		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 5. (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.
ORANGE	Courtesy Lamp	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).
		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 5. (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.
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).

Classic Update Series



USE THIS SHEET FOR A 69 FIREBIRD

REAR BODY KIT
500673

92965933 instruction Rev 4.1 5/12/2017

Classic Update Series

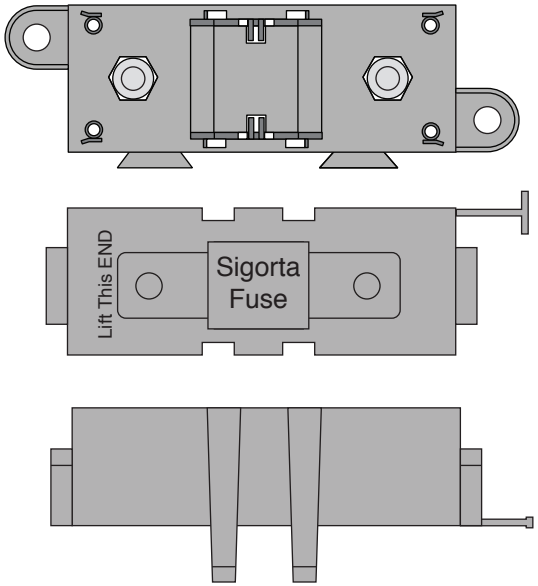
USE THIS SHEET FOR A 69 FIREBIRD

Connect the main connector to the mating connector on the dash harness 510623 bag G. Route this harness along door sill and into the trunk.

A			
B	LIGHT BLUE	Third brake light	Connect to the third brake lamp, if equipped.
	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 7.
C	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 U in direction shown on sheet 7. 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. NOTE: 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.)
D			
E			
F	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, then plug into lamp socket O as shown on sheet 7. Route the loose end to the LH outer tail lamp, cut to length and double this wire with the cut off portion using terminal N, then plug into connector F in the location shown on sheet 7. Route the loose end to the LH inner tail lamp, cut to length and double this wire with the cut off portion using terminal N, then plug into connector F in the location shown on sheet 7. Route the loose end to connector M (from the tan wire above), and cut to length. Double this wire with the cut off off portion and install terminal N. Plug this terminal into connector M, in location shown on sheet 7. Route the loose end to the RH inner tail lamp, cut to length and double this wire with the cut off portion using terminal N, then plug into connector F in the location shown on sheet 7. Route the loose end to the RH outer tail lamp, cut to length and double this wire with the cut off portion using terminal N, then plug into connector F, in the location shown on sheet 7. Route the loose end to the RH side marker and trim to length. Crimp on terminal P and plug into lamp socket O as shown on sheet 7.
H			
J			
K			
L	YELLOW	LH Stop / Tail	Route this wire to the LH outer tail lamp and cut to length. Double this wire with the cut off portion and install terminal N. Plug this wire into connector F as shown on sheet 7. Route the loose end to the LH inner tail lamp and cut to length. Install terminal J and plug into connector F, as shown on sheet 7. Install terminals C and connector E on the tail lamp pigtails A, maintaining color continuity with connector F. Plug connectors E into connectors F.
M	DK GREEN	RH Stop / Tail	Route this wire to the RH outer tail lamp and cut to length. Double this wire with the cut off portion and install terminal N. Plug this wire into connector F as shown on sheet 7. Route the loose end to the RH inner tail lamp and cut to length. Install terminal J and plug into connector F, as shown on sheet 7. Install terminals C and connector E on the tail lamp pigtails A, maintaining color continuity with connector F. Plug connectors E into connectors F.
N			
	LIGHT GREEN	Back up lamp feed	Route this wire to the LH back up lamp, trim to length and install terminal N and connector H. Route the loose end of the lt green wire to the RH back up lamp, trim to length and install terminal J and connector H. Install terminals C on each of the back up pigtails B, and plug into connectors H. Plug connectors H into connectors L.
O			
	WHITE	Courtesy ground	If you are using a dome lamp, route the loose end of this wire to the rear pillar area in the trunk and install terminal J and connector F in location shown on sheet 7 (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 base. Route the loose end of 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.
P			
R	ORANGE	Courtesy Lamp	If you are using a dome lamp, route the loose end of this wire to the rear pillar area in the trunk and install terminal J and connector F in location shown on sheet 7 (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 base. Route the loose end of 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.
S			
T	DK BLUE	Fuel Pump	This wire can be used if you are using an electric fuel pump. Plug the terminated 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).
U			

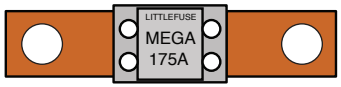
A  (1)

(144.0” 6 Gauge charge wire)

B 

(2)

(Megafuse body, cover and two M8 x 1.25 nuts / lock washers)

C 

(2)

(175 amp Megafuse)

D  (1)

(Megafuse jumper)

E  (1)

(Alternator boot)

F  (1)

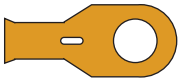
(cut into six 1.0” pieces)

1. One this page, you will find the wire, fuse bodies, fuses, boot, ring terminals, and shrink tubing (items A through K) that are necessary to connect your alternator and main power feed for your new AAW wiring kit. Please be sure that all of the necessary components are present before starting this portion of your installation. If anything is missing, stop what you are doing and contact AAW at the number listed below right away.

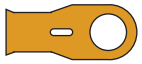
2. On page 2, you will find directions for building the 2 Megafuse assemblies (items B,C and D) into one unit.

3. On page 3, you will find an overall concept of how to connect the Megafuse assemblies to your starter solenoid, alternator and main power feed of your new wiring system.

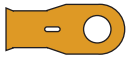
4. On page 4, you will find tips on building your charging circuit wires and assembling them and the main panel power feed wire to the Megafuse assembles.

G  (2)

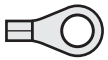
(6Ga. starter ring terminal)

H  (3)

(6Ga. megafuse terminal)

J  (2)

(6Ga. alternator terminal)

K  (2)

(10Ga. megafuse terminal)

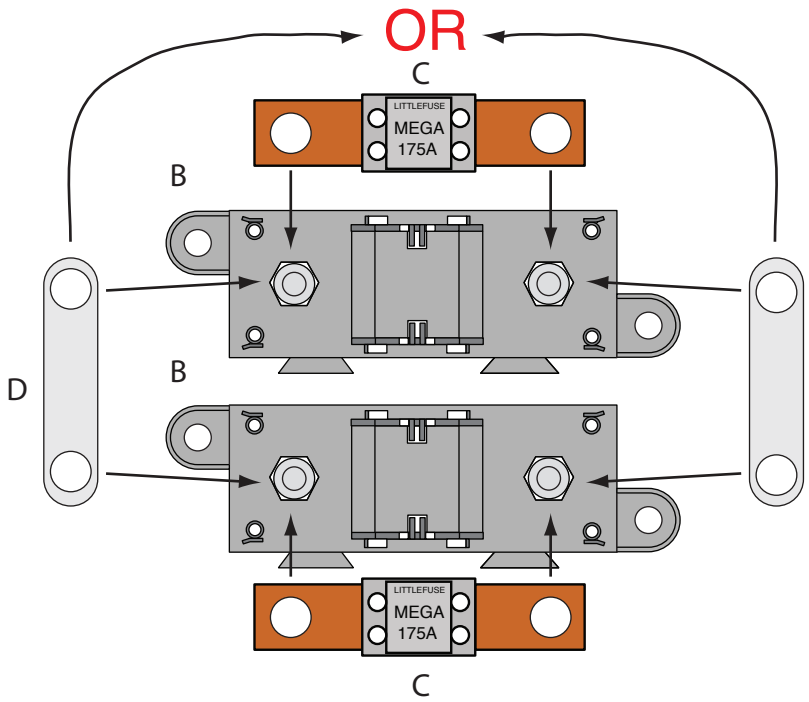
American Autowire

www.americanautowire.com 856-933-0801

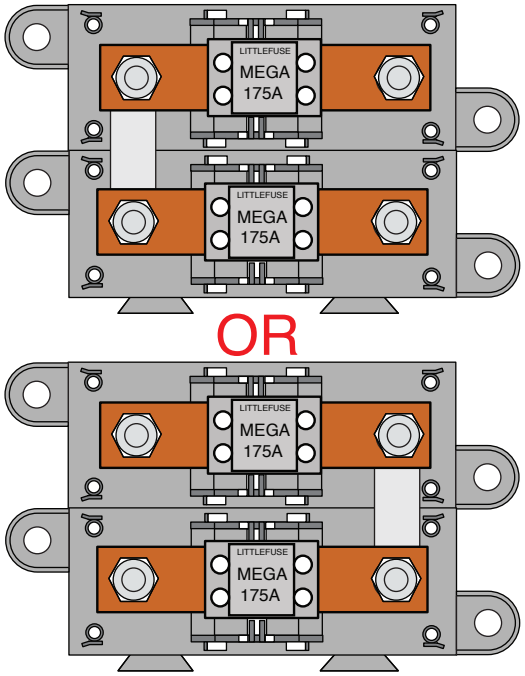
PART # 510476 Z

DESCRIPTION:
Alternator and Main Power Connection Kit
Various Applications

92972153 instruction sheet rev 0.1 6/24/2019



Assembling the (2) Megafuse assemblies



Assembled Megafuses

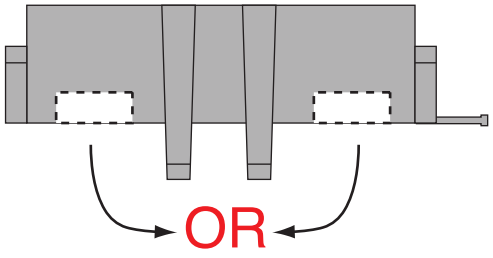
NOTE: Find a suitable place, as close to the battery power source as possible, under the hood of the your vehicle to mount the completed Megafuse assemblies. Keep in mind that you have 12 feet of 6Ga. charging wire, and that the main power feed coming from your panel or bulkhead connection must also be able to reach the assembly.

1.Take the two Megafuse bodies and covers (items B) and snap them together. Remove the 4 nuts and lock washers from the studs on the fuse body assemblies.

2. Install the Megafuse jumper (item D above) over two of the studs on the Megafuse bodies. It is very important that the jumper MUST BE assembled on the side that is going to connect to your main power connection (starter solenoid or battery feed).

3. Notch top cover to clear jumper D as shown at right.

4. Snap one 175amp fuse (items C) onto the studs of each of the two Megafuse bodies (items B), over the jumper, then loosely re-attach the 4 nuts and lock washers back onto the assembled Megafuses. The fuse assemblies are ready to install into your vehicle.



Notched Cover

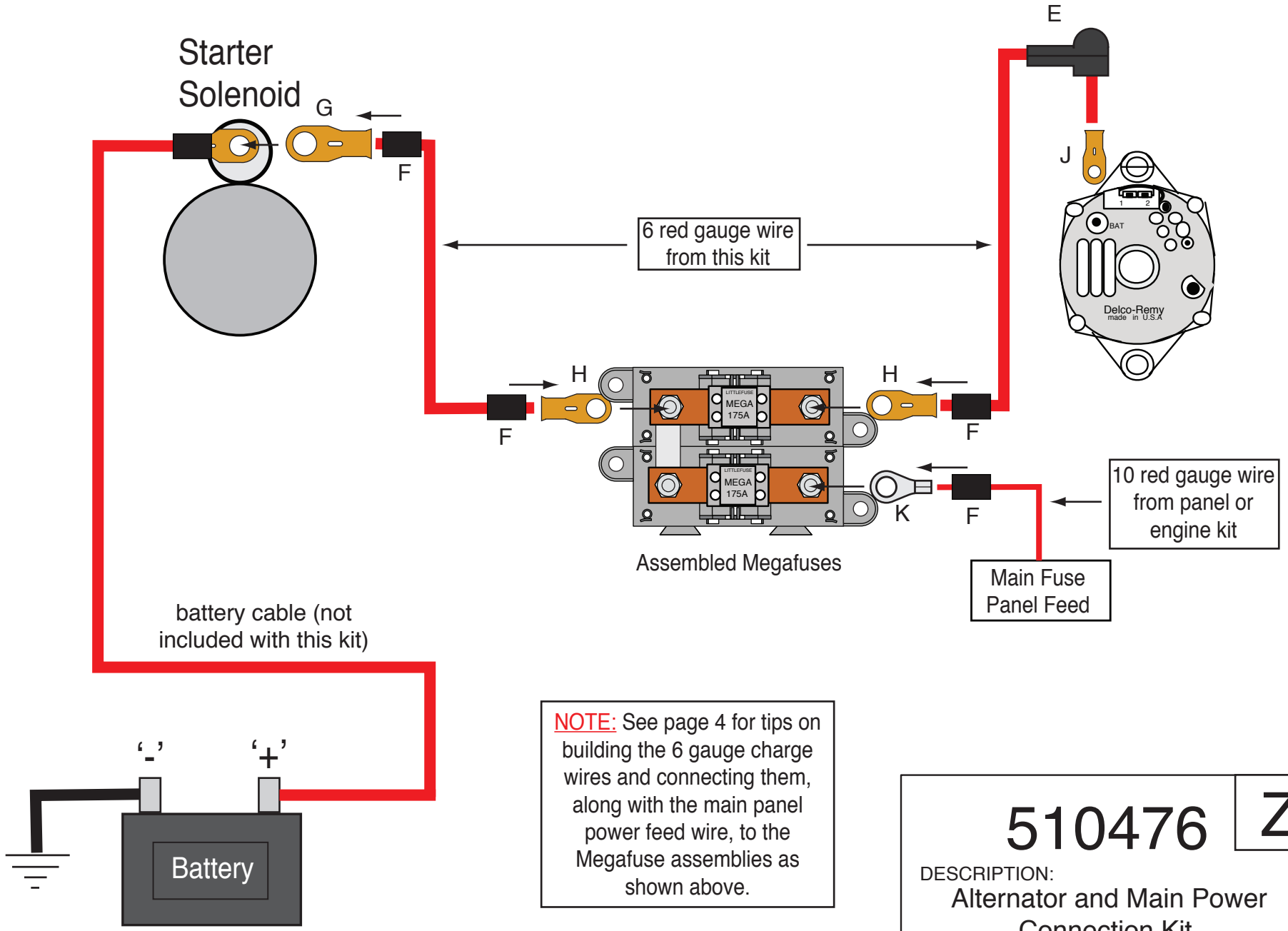
PART #

510476 Z

DESCRIPTION:

Alternator and Main Power Connection Kit Various Applications

92972153 instruction sheet rev 0.1 6/24/2019



NOTE: See page 4 for tips on building the 6 gauge charge wires and connecting them, along with the main panel power feed wire, to the Megafuse assemblies as shown above.

510476 Z

DESCRIPTION:

Alternator and Main Power Connection Kit
Various Applications

92972153 instruction sheet rev 0.1 6/24/2019

Building the 6Ga. charge wires and connecting them and the main panel power feed wire to the Megafuse assemblies:

NOTE: Make sure that your battery is disconnected! You will need to install the preassembled Megafuses from page 2 in your vehicle to start this part of the installation.

1. Pre-cut item F shrink tubing into (6) 1.00” - 1.25” pieces.

2. Take the 12-foot piece of 6Ga. red wire from this kit and route it from your starter (or other battery feed) over to the area where you have mounted your Megafuse and cut it to length. Strip the insulation on each end back 1/2”. Install 2 pieces of shrink tubing F onto the wire. At the starter end, crimp and solder (1) of terminal G onto the wire. At the Megafuse end, crimp and solder (1) of terminal H onto the wire. Slide the shrink tubing over the terminals and heat it up to shrink it down.

3. Take the remaining portion of the 12-foot piece of 6Ga. red wire from this kit and route it from your alternator over to the area where you have mounted your Megafuse and cut it to length. Strip the insulation on each end back 1/2”. Install 1 piece of shrink tubing F onto the wire. At the alternator end, slip on boot E as shown on page 3, then crimp and solder (1) of terminal J onto the wire. At the Megafuse end, crimp and solder (1) of terminal H onto the wire. Slide the shrink tubing over terminal H and heat it up to shrink it down.

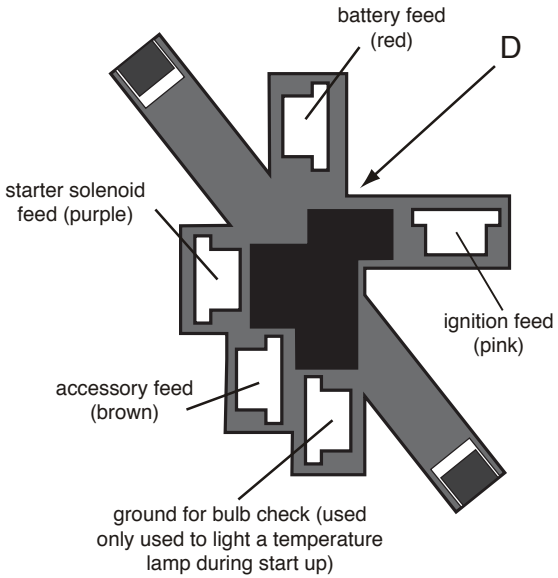
4. Take the 10Ga. red main power feed wire from your engine or panel sub-kit and route it over to the area where you have mounted your Megafuse and cut it to length. Strip the insulation back 3/8”. Install 1 piece of shrink tubing F onto the wire, then crimp and solder (1) of terminal K onto the wire.

5. Remove the 4 loosely tightened nuts and lock washers from the assembled Megafuses, then using the drawing on page 3 as a guide, install your pre-assembled wires from steps 2-4 above. Re-install the 4 nuts and lock washers onto the assembled Megafuses and tighten them down. This part of your installation is now complete.

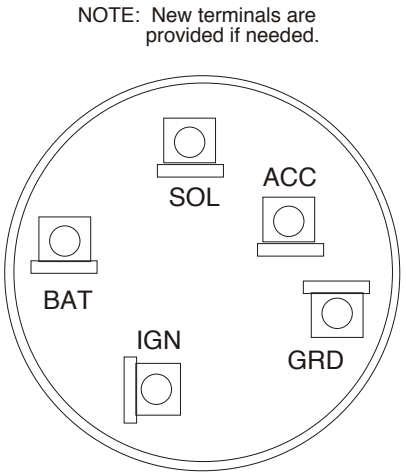
510476 Z

DESCRIPTION:
Alternator and Main Power Connection Kit
Various Applications

92972153 instruction sheet rev 0.1 6/24/2019



NOTE: Looking into the face of the connector.
Wires are plugging in from behind.



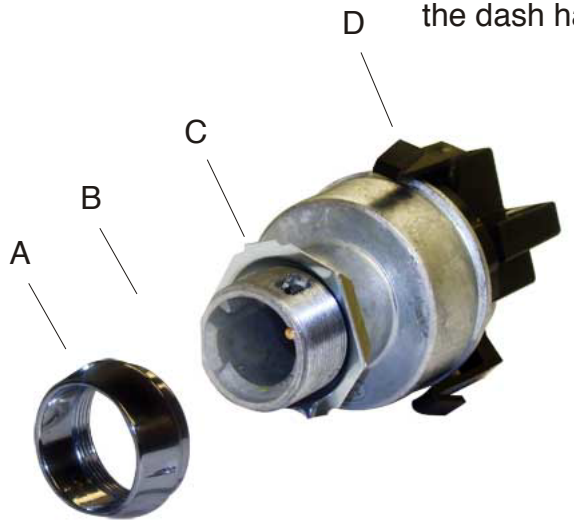
INSTALLATION

NOTE: The instruction sheet packaged with this switch shows a copper lamp holder bracket. That bracket is not used in this application and it's installation can be ignored.

1. Due to the nature of the chrome plating on threaded collar A, AAW recommends threading the nut on and off of the switch by hand a few times to clean up the threads before installing the switch into your dash.
2. Plug in connector D from the dash wiring harness (bag G).
3. Install the back-up nut C onto the switch. The depth of this nut will have to be determined when mounting the switch.
4. Insert the switch into the hole in the dash panel.
5. Install your original dash bezel plate at location B.
6. Screw on threaded collar A
7. Insert your New AAW lock cylinder into the new switch to complete your installation.

NOTE: Please keep in mind that this is an upgraded switch, not an original replacement, and as such, the flat side on this switch may be in a different location than was your original. If you mount this new AAW switch in your dash and the flat side is in fact in a different location, the key may not line up as the original did. This will not alter the performance of the switch in any way. If you wish for your key to line up as it did in the OEM application, you will need to file out the flat spot in your original dash opening so that the switch can be rotated to the correct position. Once the backing nut C is set so that the depth of the switch is correct for your application, and bezel nut A is firmly tightened, the switch will be secure and will not rotate.

This connector is on
the dash harness



American Autowire

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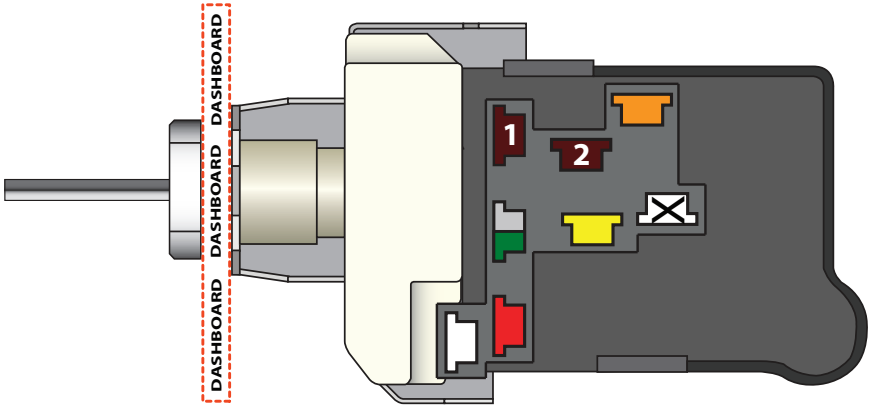
IGNITION SWITCH
Classic Update Series
VARIOUS APPLICATIONS
510705
92972600 instruction rev 0.0 10/8/2019

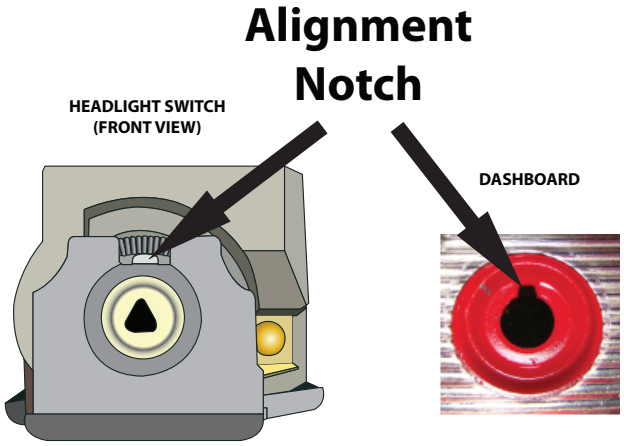
Most switches supplied with Classic Update and Universal Kits ship with the shaft pre-installed. In many instances, the switch can be installed without removing the shaft, but in some cases the switch shaft may need to be trimmed to fit your specific dash. In this situation, reference Trim to Fit instructions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



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	Dash Lights - Output to the dash light fuse or lights

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.

American Autowire

www.americanautowire.com 856-933-0801

PART # **500332**

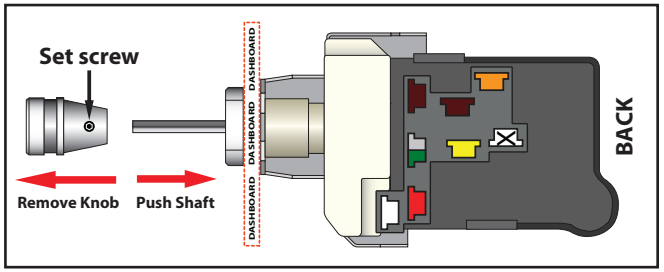
DESCRIPTION: Headlight Switch

92964649 Rev 3.0 1/3/2020

To Trim Shaft to Fit or Remove Shaft:

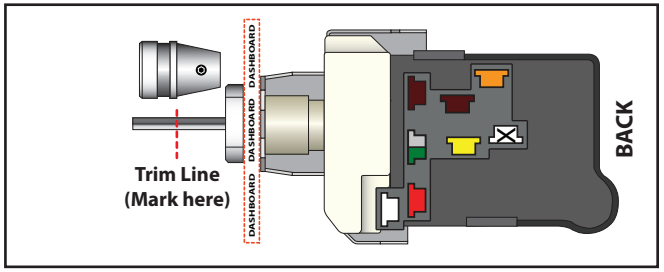
The headlight shaft knob should extend from the face of the mounting nut, and must allow enough clearance for the switch to turn off. If the shaft is longer than necessary for your specific dash it can be trimmed to fit. Always trim the knob end of the shaft only and follow the guidelines below for best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

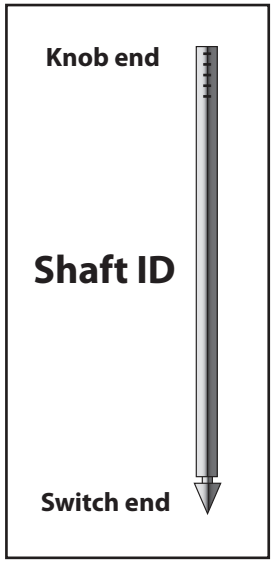
1. With the headlight switch installed, loosen the set screw and remove the knob. Make sure the switch is in the "off" position by pushing the shaft toward the back of the switch.



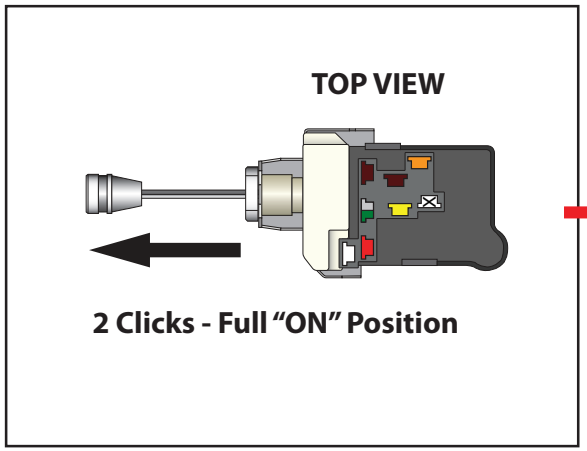
Switch in OFF position
(shaft pushed all the way in)

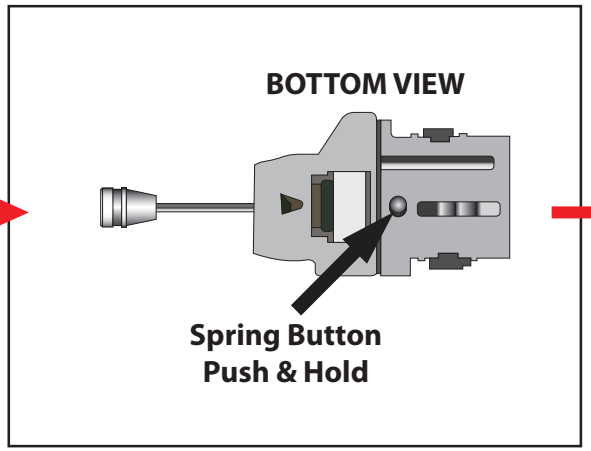
2. Set knob alongside shaft and mark the desired location for cutting on the shaft.

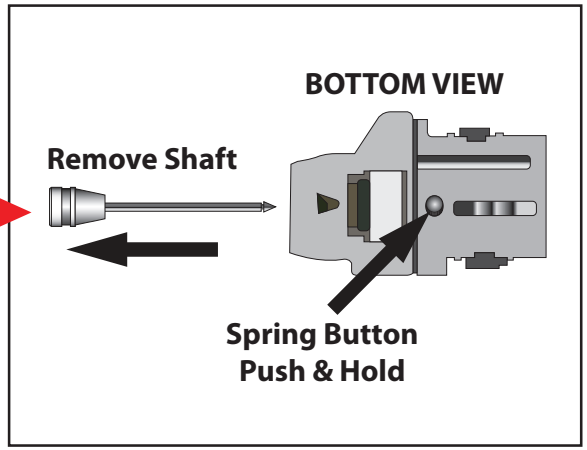


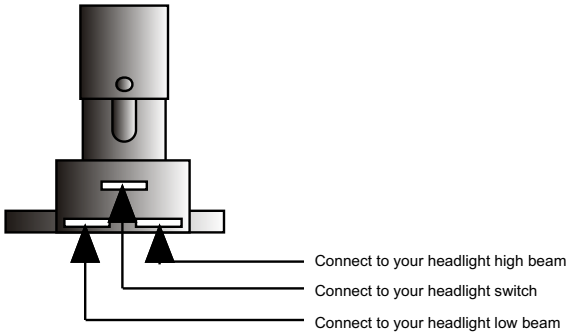


3. Remove the shaft and trim at mark. The shaft can be released from the switch by pulling it outward (toward the rear of the vehicle). Once fully in the "On" position, press and hold the release button on the base of the switch body. Once button is pressed, continue to pull the shaft outward. New switches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









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.

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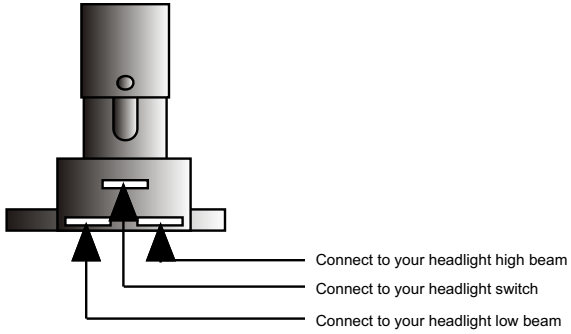
PART #

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.

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PART #

500042

DESCRIPTION:

DIMMER SWITCH

92964573 instruction sheet Rev 3.0 6/29/99