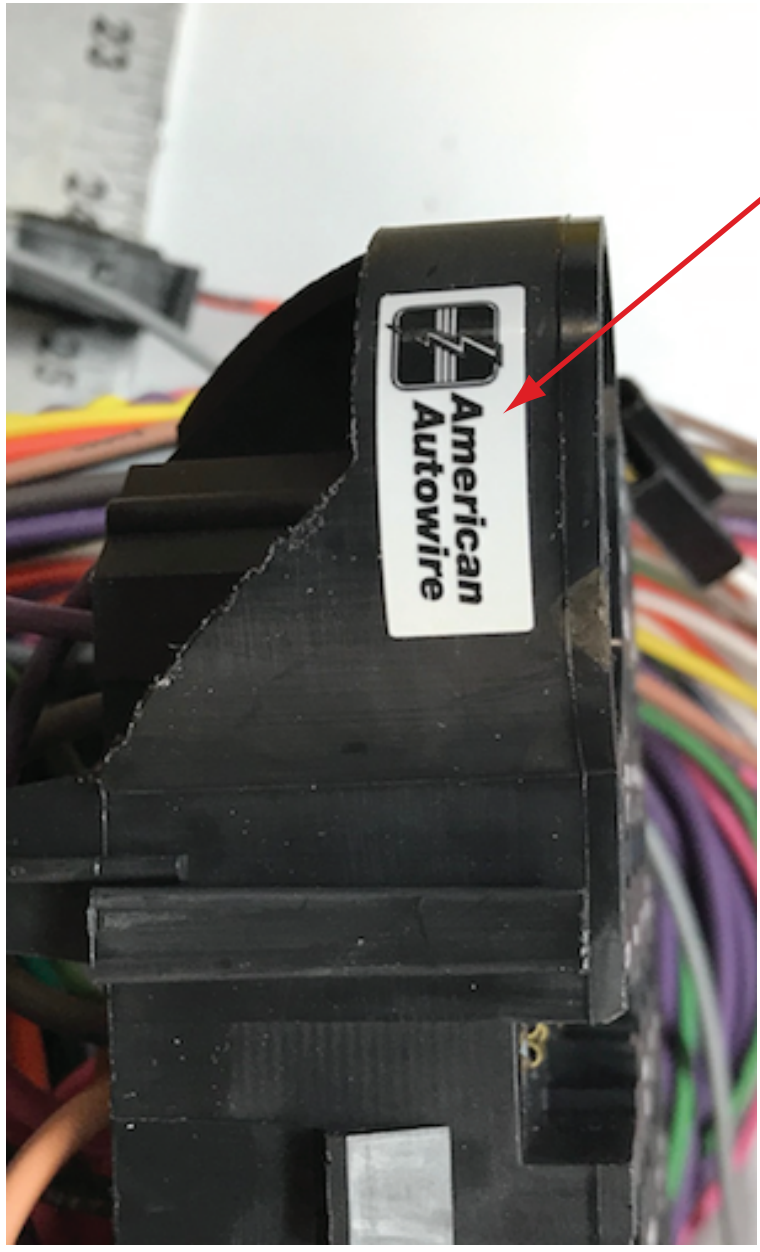


NOTE: If the fuse panel on your 500886 '67-'68 Firebird kit ***DOES NOT*** have a sticker like the photo at the left, you have the first design harness and your instructions are listed below and follow this page.

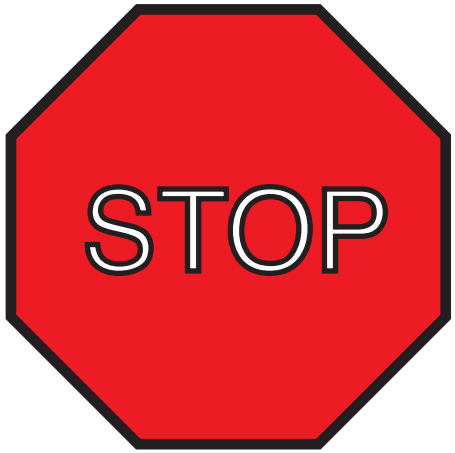
Number	Description
500332	Headlight Switch
500707	Fuse, Relay, and Flasher kit
500708	Courtesy Light kit
500919	Practice Terminal Crimping Set
500662	Dash Harness kit
500668	Engine Wiring Kit
500671	Front Light Wiring kit
500663	Instrument Cluster Wiring kit
500889	Console Wiring kit
500673	Rear Body Wiring kit
500674	Ignition Switch Lock Cylinder and Keys
500709	Ignition Switch
500887	Misc. Add-On kit
500042	Floor Dimmer Switch
92967369	Firewall Modification Template
92967715	Kit Introduction Instruction Sheet
92970005	Warning Sheet

American Autowire

www.americanautowire.com 856-933-0801

67-68 Firebird First Design Instructions

92972875 rev. 0.0 1/27/2020



WARNING:

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

1. This kit should typically be used in a **MODIFIED** application only.

2. This kit supports the use of factory heater systems and aftermarket heater and A/C systems. The kit supplies power to a factory A/C control head but **DOES NOT** include the actual A/C harness for an original factory A/C vehicle. Factory original A/C harnesses are available under our Factory Fit product line as they are self contained harnesses made to fit and work with the stock A/C component configuration.

3. This kit supports the use of a high current self-exciting 1-wire alternator or other style internally regulated alternators. An adapter may be necessary in some applications. The use of a stock, low amperage alternator is seriously discouraged as they cannot handle the higher current requirements of updated ignition systems, electric fans, aftermarket A/C systems, stereo systems, air ride suspensions, and other power hungry accessories and will ultimately create performance issues with the system.

4. This kit **WILL NOT** support the use of a factory ammeter. All AAW kits are engineered to supply the optimum charge to the battery. To achieve this performance, we route our 8ga. charge wire directly from the alternator output charge terminal to the starter battery 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	500662	Dash Harness kit	1
H	500663	Instrument Cluster wiring kit	1
J	500668	Engine Wiring Kit	1
L	500671	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
	500709	Ignition Switch	1
X	500887	Miscellaneous Add on kit	1
	500889	Console wiring kit	1
	500919	Practice Terminal Crimping Set	1
	92967369	Firewall Modification Template	1
	92967715	Kit Introduction Instruction Sheet	1
	92970005	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.

American Autowire
www.americanautowire.com 856-933-0801

500886

92970005 instruction sheet Rev 1.0 3/23/2012

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. ALL TERMINALS THAT YOU INSTALL SHOULD BE PROPERLY SOLDERED.
Our factory terminations are install by GM approved five ton 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 operation for installing your kit. Start with the bag letter G , then H , etc.
The order of installation is shown below.

G 500662 Dash Harness Kit
H 500663 Instrument Cluster Kit
J 500668 Engine Kit
L 500671 Front Light Kit
M 500673 Rear Body Kit
N 500708 Courtesy Light Kit
X 500887 Miscellaneous Add-on Kit for 1967-68 Firebird

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 500523
OEM large terminal crimping tool (12-8 gauge).

p/n 500518
Multi-crimp tool (18-14 gauge).

American Autowire

www.americanautowire.com 856-933-0801

Classic Update Series

1967-68 Firebird

500886

92967715 instruction sheet rev. 3.0 9/8/2014

Classic Update Series

1967 Firebird

American Autowire
www.americanautowire.com 856-933-0801

THIRD BRAKE LAMP

LH TAIL LAMP

FUEL SENDER

RH TAIL LAMP

LICENSE PLATE LAMP

ALTERNATOR

red

brown

lt blue
tan
dk green
yellow
brown
lt green

red

red

RH HEADLIGHT

black

tan

lt green

black

LH HEADLIGHT

OIL PRESSURE

DISTRIBUTOR

VEHICLE SPEED SENSOR

STARTER

BAT
R
S

WIPER

lt blue
dk blue
black
yellow

HEATER BLOWER

orange

dk blue

purple

pink

white

ECM

yellow

purple

brown

dk blue

ENGINE BULKHEAD CONNECTOR

TURN SIGNALS

brown

FRONT LIGHT BULKHEAD CONNECTOR

brown

lt blue

HORN

TEMP SENDER

dk green

BRAKE SWITCH

tan

dk green

ELECTRIC FAN

orange

lt green

tan

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.

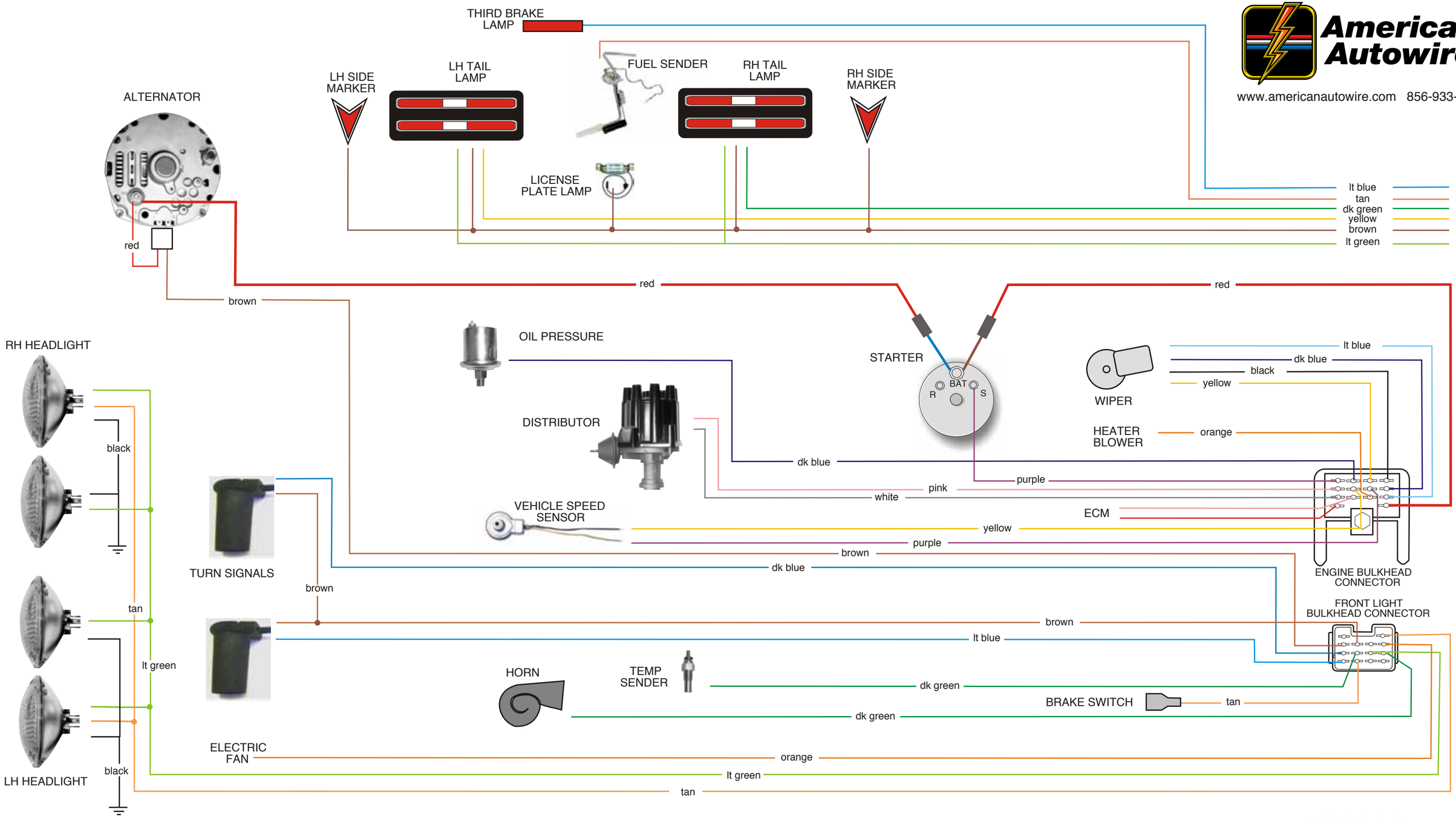
500886

92967715 instruction sheet rev. 3.0 9/8/2014

Classic Update Series

1968 Firebird

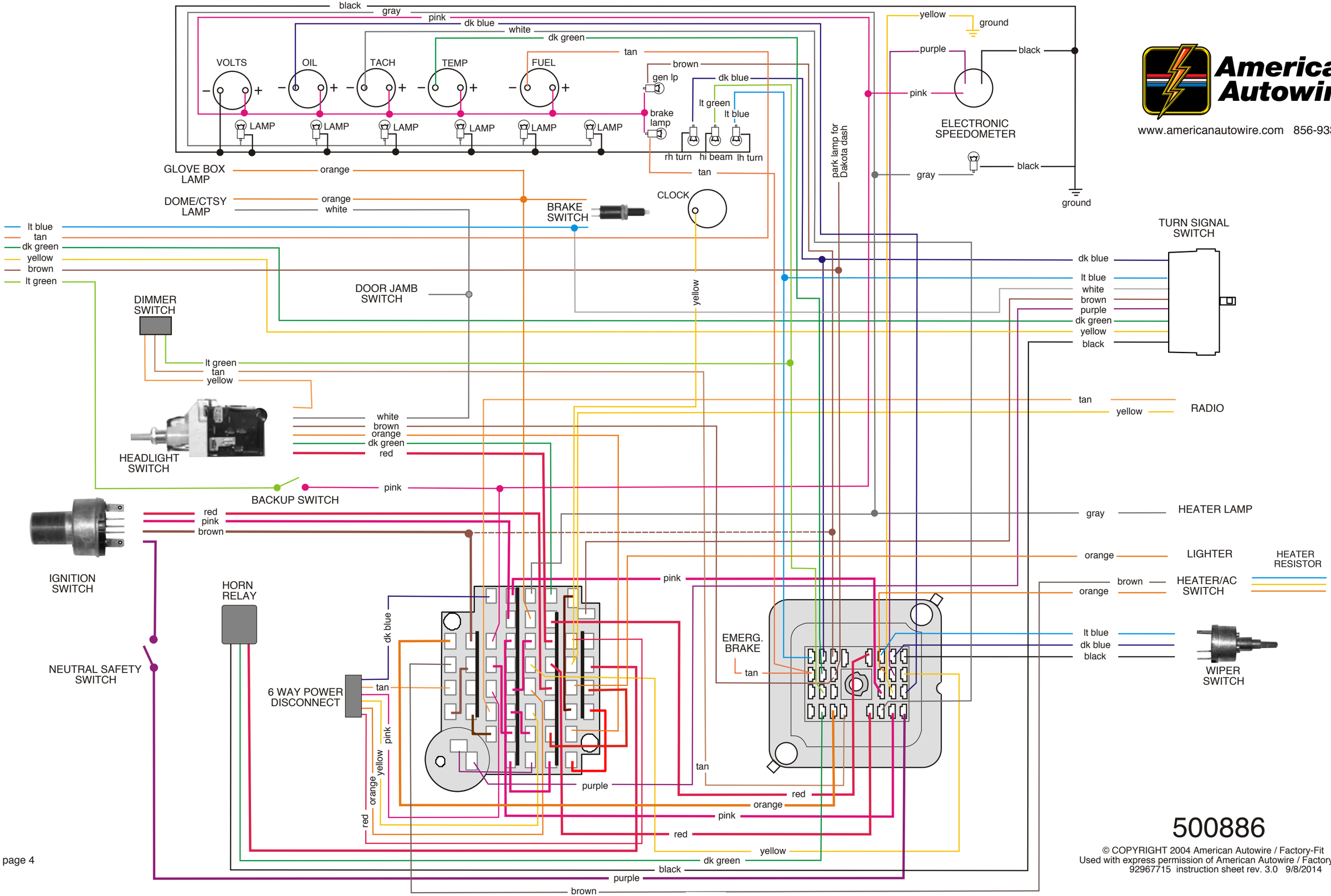
American Autowire
www.americanautowire.com 856-933-0801



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

92967715 instruction sheet rev. 3.0 9/8/2014



American Autowire

www.americanautowire.com 856-933-0801

500886

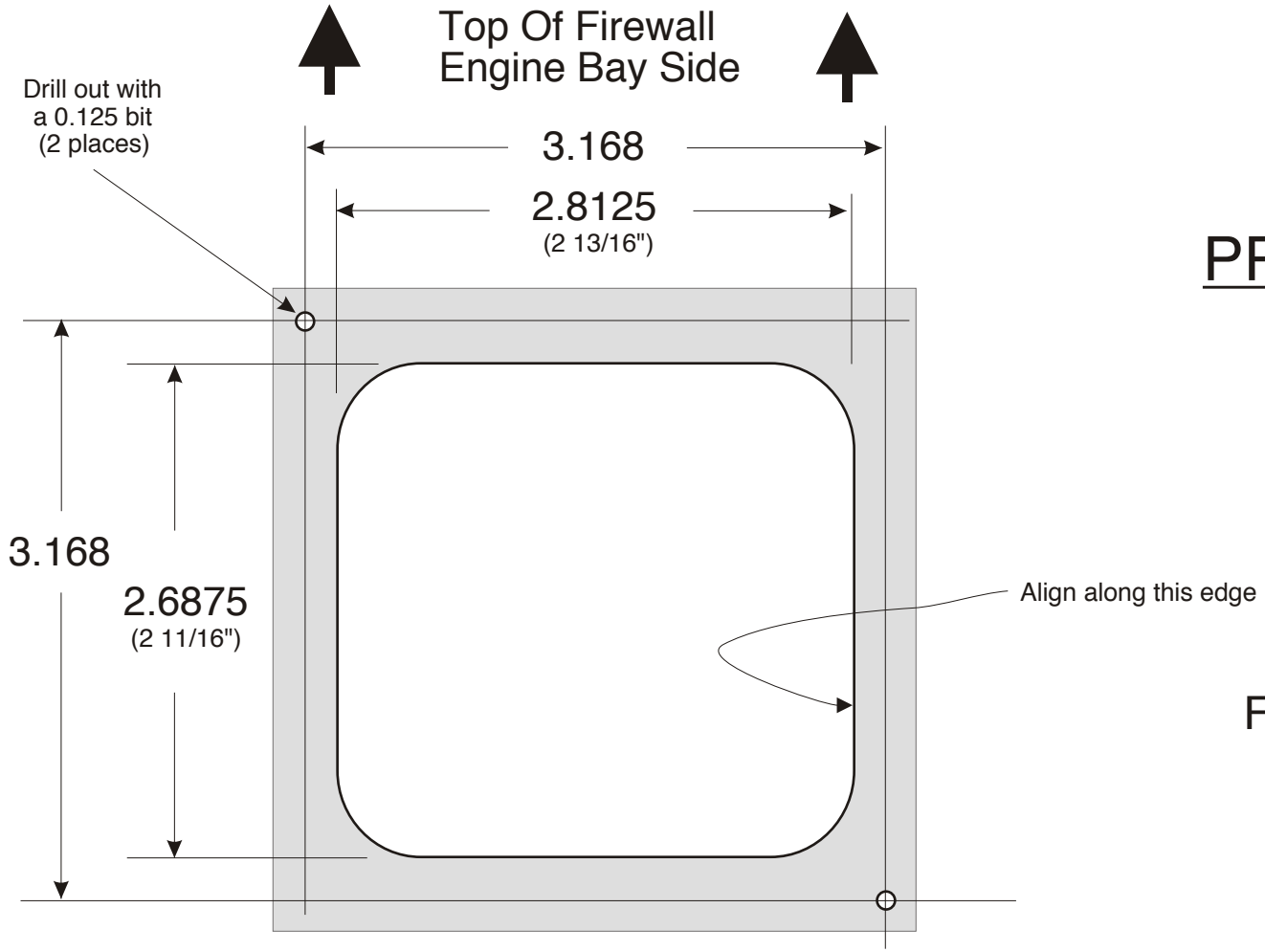
92967715 instruction sheet rev. 3.0 9/8/2014

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

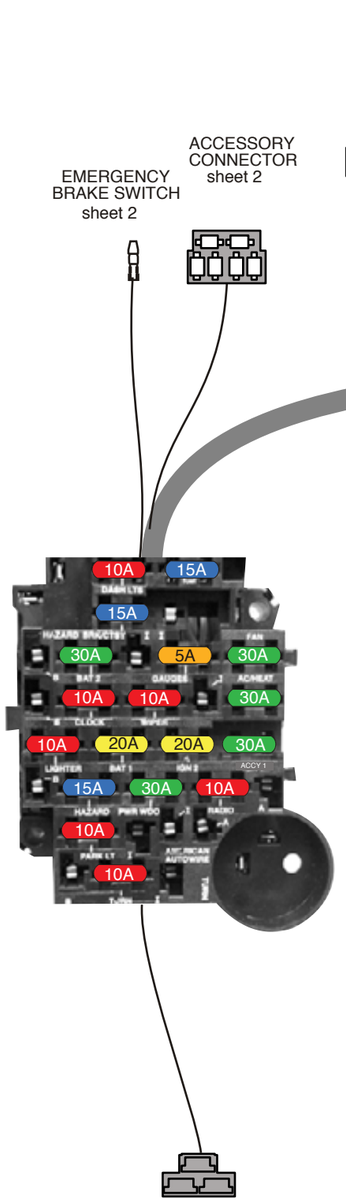


PRINT ON ADHESIVE LABEL SHEET

Firewall Modification Template

92967369

92967369 instructions Rev 5.0 4/22/2014



INSTRUMENT CLUSTER sheet 2

EMERGENCY BRAKE SWITCH sheet 2

ACCESSORY CONNECTOR sheet 2

RADIO sheet 3

LIGHTER sheet 3

CONSOLE CONNECTION sheet 3

RH COURTESY LAMP sheet 3

HEATER RESISTOR sheet 3

A/C FEED

REAR BODY sheet 2

WIPER sheet 2

HEADLIGHT SWITCH sheet 2

TURN SIGNAL SWITCH sheet 2

HORN RELAY sheet 2

BRAKE SWITCH sheet 3

GROUND sheet 3

IGNITION SWITCH sheet 3

GLOVE BOX sheet 3

HEATER LAMP sheet 3

HEATER SWITCH sheet 3

NEUTRAL SAFETY SWITCH sheet 3

BACK UP SWITCH sheet 3

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).

American Autowire

www.americanautowire.com 856-933-0801

bag G

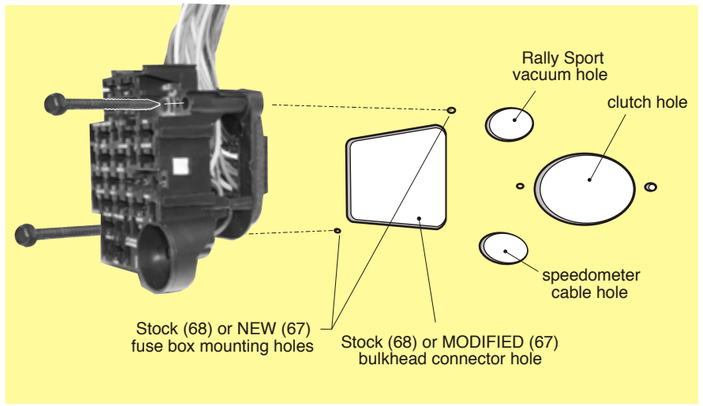
1967-68 Camaro
1967-68 Firebird

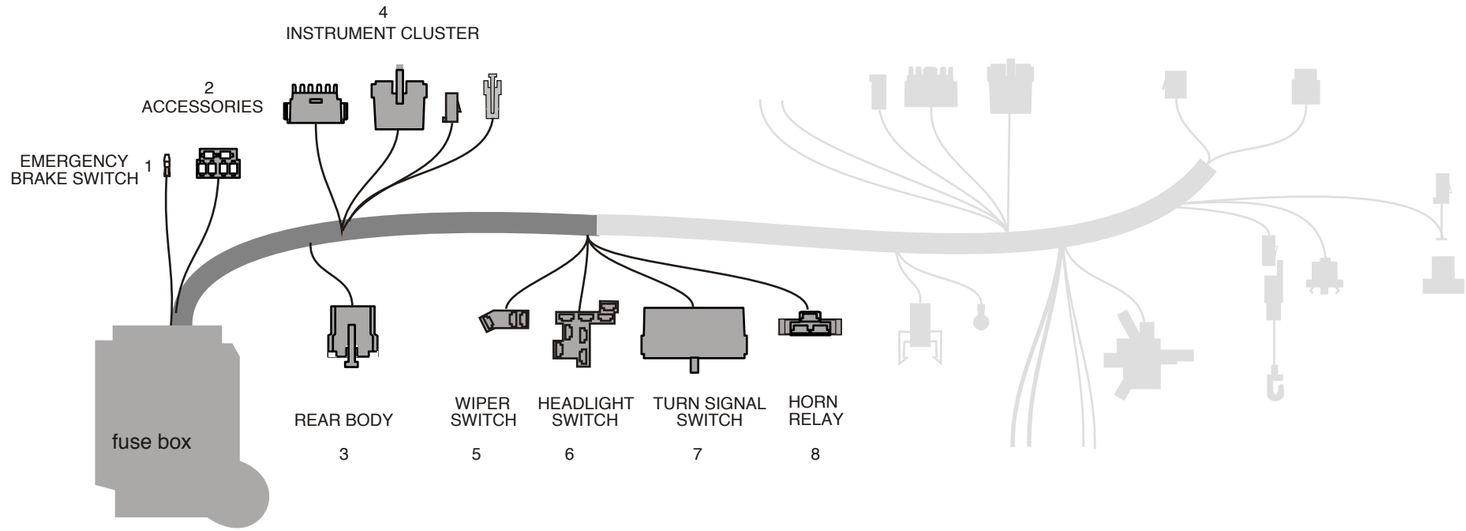
DASH KIT

500662

92965907 instruction rev 7.0 4/16/2015

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 the instruction sheets from bag H.

5 WIPER

Black	Ground circuit for low speed.
Dk Blue	Ground circuit for washer.
Lt Blue	Ground circuit for hi speed.

6 HEADLIGHT SWITCH

Red	12 volt feed to switch	BAT location on headlight 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 FEED location on headlight switch.
Dk Green	Instrument lamp feed	INSTRUMENT LAMP location on headlight switch.
White	Dome / courtesy ground	GROUND location on headlight switch.

7 TURN SIGNAL SWITCH — This harness has a connector on it for the 3-7/8 1969-1974 GM column connection used by GM and many after-market manufacturers. If you are using a stock 1967-68 turn signal switch, remove the existing connector and terminals from 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

8 HORN RELAY — Plug the horn relay (found in the fuse bag) into this connector.

Red	12 volt battery
Black	Relay ground circuit (to steering column)
Green	Triggered 12 volts to horn

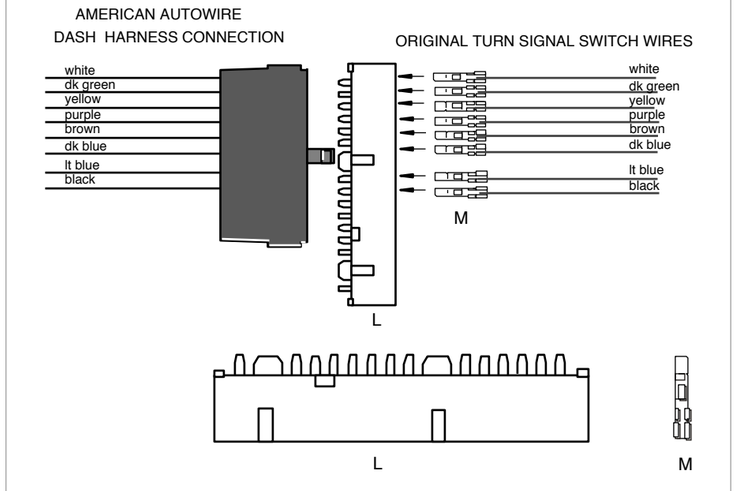


DIAGRAM G

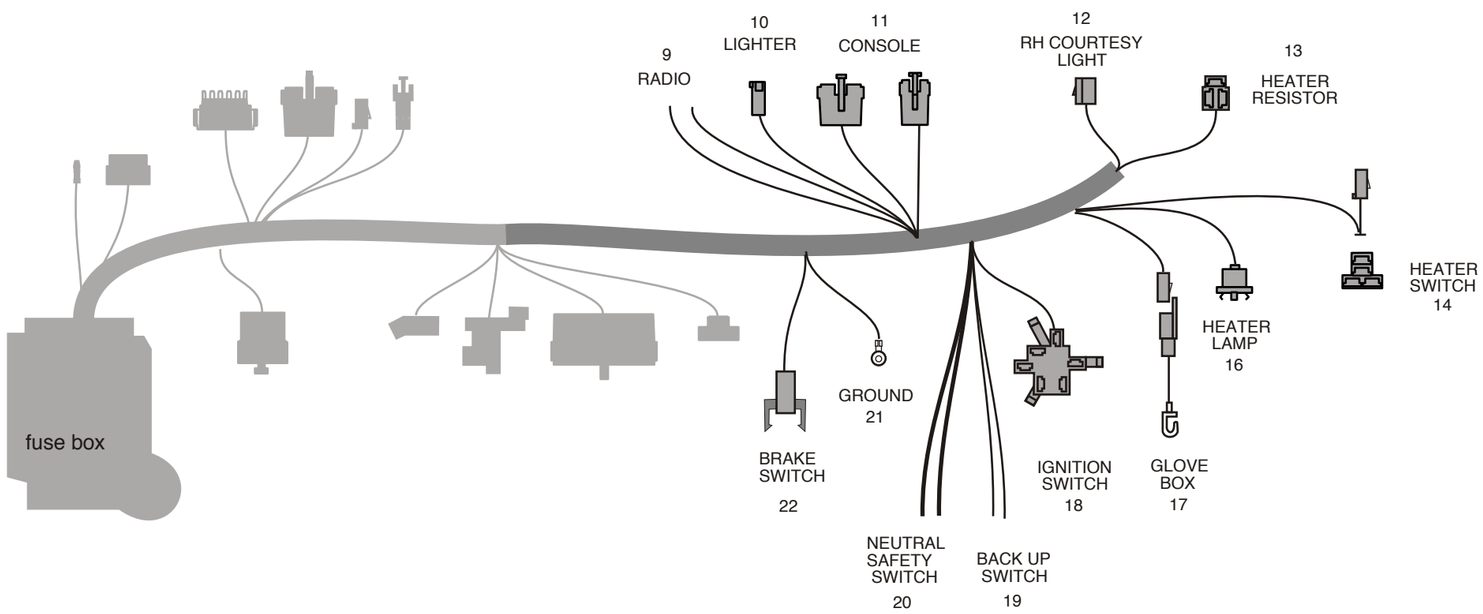
American Autowire

www.americanautowire.com 856-933-0801

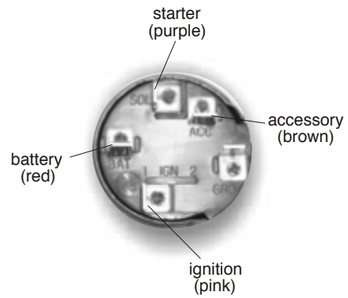
1967-68 Camaro
1967-68 Firebird

DASH KIT
500662

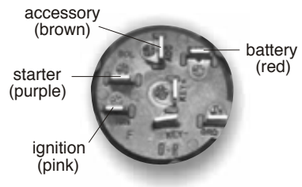
92965907 instruction rev 7.0 4/16/2015



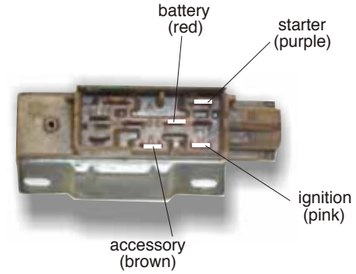
9	RADIO	Tan	Radio accessory feed.
		Yellow	Radio 12 volt clock lead (battery feed)
10	LIGHTER	Orange	Connect to lighter. (battery feed)
11	CONSOLE CONNECTION	These wires are for use on a console vehicle. For wire functions, refer to bag K, (500664 for Camaro, or 500889 for Firebird).	
12	RH COURTESY 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
13	HEATER RESISTOR	Plug this connector into the factory heater resistor located on top of the heater box of a non A/C car.	
14	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 attached 1967 style connector, and install 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
		Lt 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.
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.
		Lt Blue	12 volt feed 'out' to third brake light.



IGNITION SWITCH
INCLUDED IN THIS KIT



STOCK 1968 IGNITION SWITCH
(switch not included)



GM IGNITION SWITCH
(switch not included)
Note: wire will only go into the white connector, but the black must also be plugged it to lock the white connector to the switch.

DIAGRAM H

American Autowire

www.americanautowire.com 856-933-0801

1967-68 Camaro
1967-68 Firebird

DASH KIT
500662

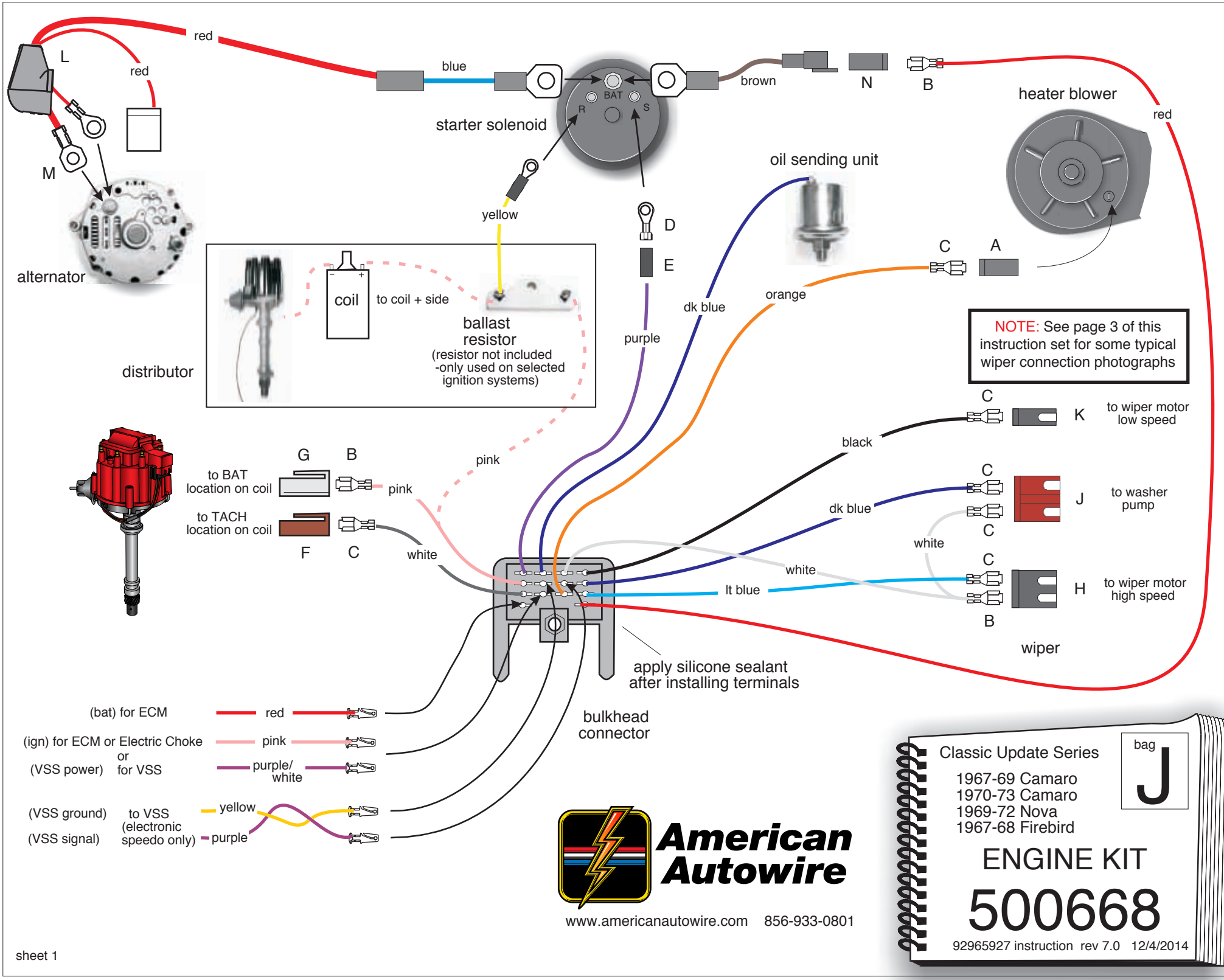
92965907 instruction rev 7.0 4/16/2015

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

American Autowire
www.americanautowire.com 856-933-0801

1967-68 Camaro
1967-68 Firebird
DASH KIT
500662

92965907 instruction rev 7.0 4/16/2015


red
L
red
blue
BAT
R
S
brown
N
B
heater blower
red
starter solenoid
M
alternator
yellow
D
E
oil sending unit
C
A
dk blue
orange
distributor
coil
to coil + side
ballast
resistor
(resistor not included
-only used on selected
ignition systems)
purple
NOTE: See page 3 of this instruction set for some typical wiper connection photographs
C
K
to wiper motor
low speed
black
G
B
to BAT
location on coil
pink
pink
C
J
to washer
pump
dk blue
to TACH
location on coil
F
C
white
white
white
C
lt blue
H
to wiper motor
high speed
B
wiper
apply silicone sealant
after installing terminals
bulkhead
connector
(bat) for ECM
red
(ign) for ECM or Electric Choke
pink
(VSS power)
or
for VSS
purple/
white
(VSS ground)
(VSS signal)
to VSS
(electronic
speedo only)
yellow
purple
American
Autowire
www.americanautowire.com 856-933-0801
Classic Update Series
bag
J
1967-69 Camaro
1970-73 Camaro
1969-72 Nova
1967-68 Firebird
ENGINE KIT
500668
92965927 instruction rev 7.0 12/4/2014
sheet 1

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

BULKHEAD CONNECTOR WIRES:

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

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

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

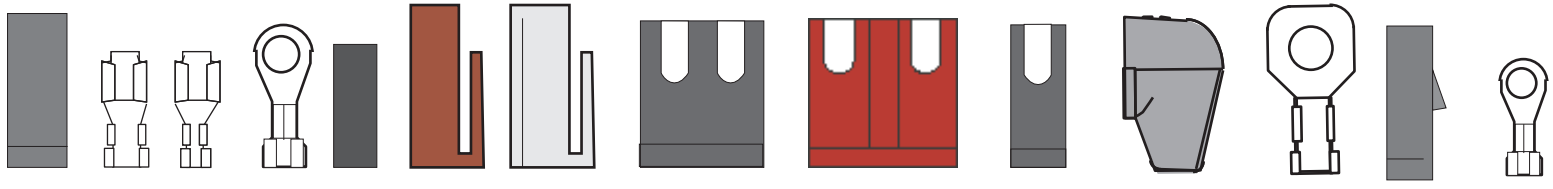
ALTERNATOR WIRES:

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

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

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

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



ENGINE KIT

500668

92965927 instruction rev 7.0 12/4/2014

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

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

American Autowire
www.americanautowire.com 856-933-0801

ENGINE KIT

500668

92965927 instruction rev 7.0 12/4/2014

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

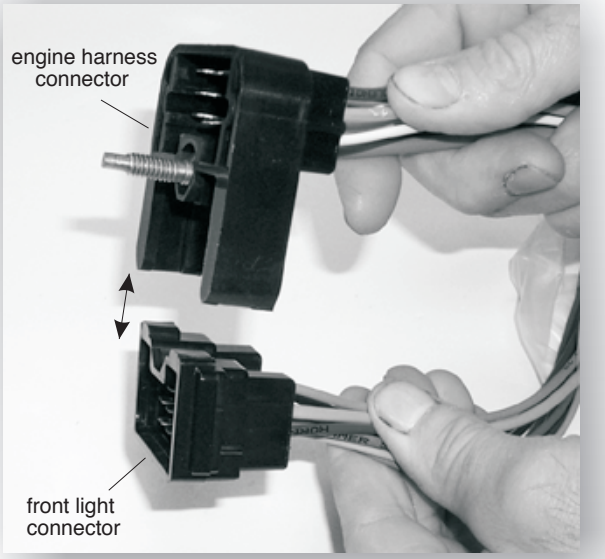
American Autowire
www.americanautowire.com 856-933-0801

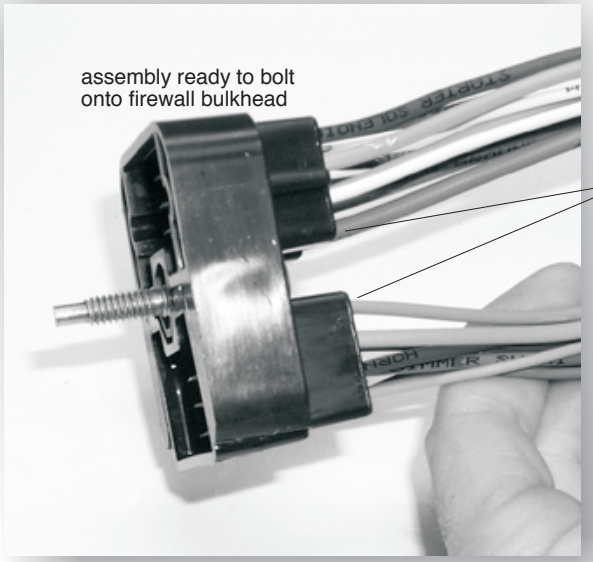
ENGINE KIT

500668

92965927 instruction rev 7.0 12/4/2014

Classic Update Series





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

Look!

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

American Autowire
www.americanautowire.com 856-933-0801

Classic Update Series

bag L

FRONT LIGHT KIT

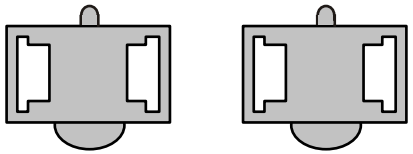
500671

92965931 instruction rev 6.0 4/18/2018

Classic Update Series

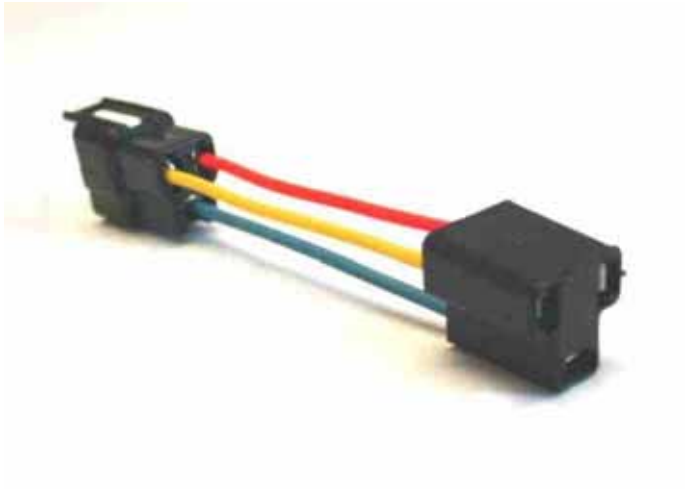
Add on kit for 1967-68 Firebird

In this package you will find severel items that are unique to the 1967-1968 Firebird Classic Update kit. These items include front parking lamp pigtails (instructions for their hook up can be found on the 500671 “Bag L” front light installation instruction sheet), heater resistor extension (plug onto 500662 “Bag G” dash harness, sheet #3, item # 13), and high beam headlamp connectors for the quad style headlights used on the Firebirds (instructions for their hook up can be found on the 500671 “Bag L” front light installation instruction sheet).



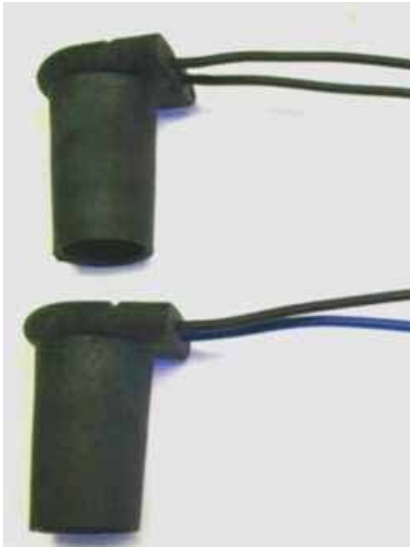
High Beam Headlamp Connectors

(see 500671 Bag L sheet 5 for installation instructions and connection terminals.)



Heater Resistor Extension

(plug onto dash harness 500662 “Bag G” sheet #3 item #13.)



Parking Lamp Pigtails

(see 500671 Bag L page 5 for instructions, connecting terminals and connectors.)

American Autowire

800-482-9473

Classic Update Series

1967-68 Firebird

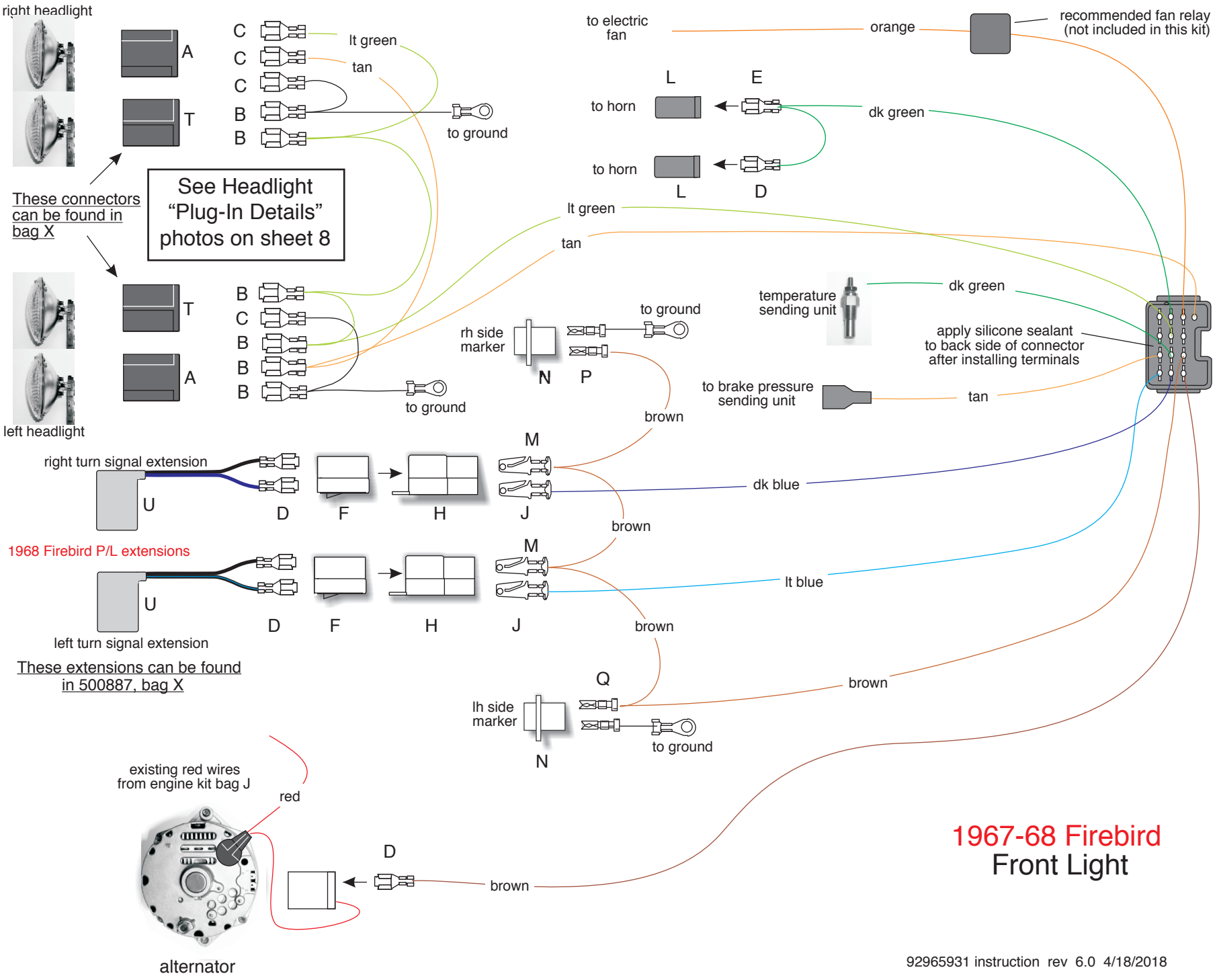
bag X

Misc. Add on Kit

500887

92967717 instructions rev 1.0 1/13/2010

Classic Update Series

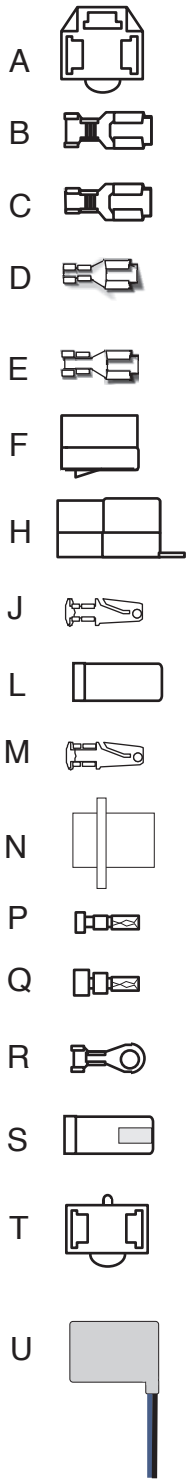


1967-68 Firebird
Front Light

92965931 instruction rev 6.0 4/18/2018

Classic Update Series

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.

PARKING LAMP WIRES

LT BLUE	LH turn	Route this wire to the LH turn signal lamp install terminal J, and plug into connector H as shown on sheet 6.
DK BLUE	RH turn	Route this wire to the RH turn signal lamp install terminal J, and plug into connector H as shown on sheet 6.
BROWN	Parking Lamp	Route this wire to the LH side marker lamp and cut to length. Double this wire with the cut off portion, install terminal Q, and plug into lamp socket N, as shown on sheet 6. (Also plug the pre-assembled black ground wire into lamp socket N, as shown on sheet 6.) Route the remaining portion of the brown wire to the LH turn signal lamp and cut to length. Double this wire with the cut off portion, install terminal M, and plug into connector H with the lt blue wire from above as shown on sheet 6. Route the remaining portion of the brown wire to the RH turn signal lamp and cut to length. Double this wire with the cut off portion, install terminal M, and plug into connector H with the dk blue wire from above as shown on sheet 6. Route the remaining brown wire to the RH side marker and trim to length. Install terminal P and plug into connector N, as shown on sheet 6. (Also plug the pre-assembled black ground wire into lamp socket N, as shown on sheet 6.)

NOTE: The running and directional light assemblies on all 1968 Firebirds utilize a unique connection assembly. We have provided you with two pigtails U (500887, bag X) to plug onto your factory assemblies. The black/black-light blue is for your driver side lamp (LH), and the black/dark blue is for the passenger side lamp (RH). Plug these pigtails onto your lamp assemblies, trim the wires to length, install terminals D and plug into connector F as shown on sheet 6. Plug completed pigtail assemblies U with connector F installed on them onto connectors H as shown on page 6 to complete your front parking lamp circuits. The running and directional light assemblies on all 1967 Firebirds will simply plug onto the completed connectors H from above.

FRONT LIGHT WIRING

TAN (heavy gauge)	Lo Beam	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, in the location shown on sheet 8. 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 as shown on sheet 8.
LT GREEN	Hi Beam	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, 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 8. 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 8. 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 8.
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 8. Repeat this process for the passenger side.
DK GREEN	Horn	Route to horns and install terminals D & E, as shown on sheet 6, Plug into connectors L.

92965931 instruction rev 6.0 4/18/2018

1967-68 Firebird Front Lighting

ORANGE	Electric Fan	Route to the electric fan, and connect per the manufacturers 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.

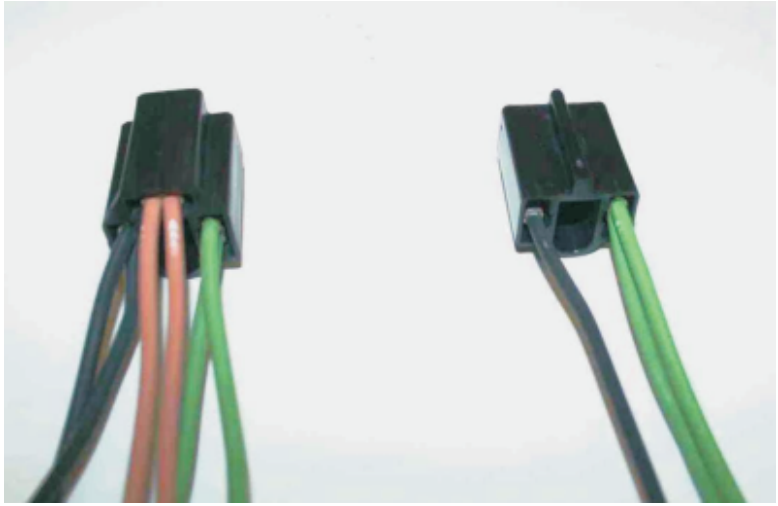
TAN (small gauge)	Brake Sender	Plug this wire into the stock brake sender switch.
DK GREEN	Water Temp	Connect this wire to the temperature sending unit using terminal R or terminal D and connector S (depending on your sending unit).
BROWN	Alternator Regulator	Route this wire to the alternator and cut to length. Install terminal D and plug into the regulator connector (previously installed from the engine kit 500668 bag J).

NOTE: This wire is only used on an alternator with an internal regulator which requires an exciter wire. If you are using a true one wire alternator, then this brown wire will not used and can be removed.

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

Headlight Connector “Plug-In Details”

1967-73 Camaro All
1968-72 Nova All



1967-68 Firebird (only)

Classic Update Series

REFER TO SHEET 2 FOR CONNECTING TO A STOCK INSTRUMENT CLUSTER. IF USING A FACTORY DASH CIRCUIT BOARD, BE SURE TO INSTALL THE WIRES AS SHOWN FOR WITH OR WITHOUT, FACTORY GAUGES.

NOTE: If you are using console gauges, connections for the console are included in 500664 kit (bag K)
After market gauge connections are included in this kit (92965220)

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

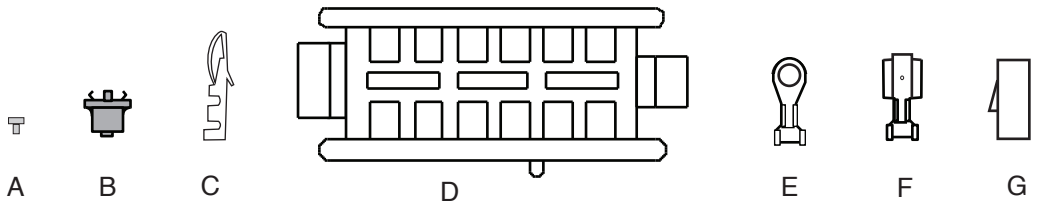
DK BLUE	Right Turn Lamp	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
LT BLUE	Left Turn Lamp	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
LT GREEN	Hi Beam Indicator Lamp	Route this wire to the high beam light socket location at the top of the instrument cluster, and cut to length. Install lamp socket B, and rivet A. Install this into the hi beam hole on the instrument cluster.
DK GREEN	Temperature Sender	Route this wire to the circuit board and cut to length. Install terminal C, and plug into connector D in the location shown on sheet 2, 3, 4, or 5.
DK 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	Fuel 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.
TAN (no printing)	Brake Lamp	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

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.
GREY	Instrument Lamps		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 F, plug into connector G and install onto cluster ground. This will ground the cluster.

LOOSE WIRES

WHITE	Tachometer	Used ONLY with a tachometer. Plug this wire into connector F, maintaining color continuity with the white "TACH" wire on the mating dash connector.
ORANGE	Clock Feed	If using a factory Tick-Tock Tach, plug this wire into the clock location on the tach, and attach the other end to the mating connector on the dash harness.
BROWN	Alternator	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.
BROWN	Park Lamp	Used ONLY with Dakota Digital dash panels. Plug this wire into connector G, maintaining color continuity with the brown "PARK LAMP" wire on the mating dash connector. Connect the other end to the gauge manufacturer's panel - DIM location. This will dim the panel lights when headlights are turned on.
PURPLE	VSS Signal lead	Used ONLY with an electronic speedometer. This wire will plug into connector G, maintaining color continuity with the purple wire on the mating dash connector. Connect the other end to the speedometer 'sender' terminal following the manufacturer's instructions.
YELLOW	VSS Signal ground	Used ONLY with an electronic speedometer. This wire will plug into connector G, maintaining color continuity with the yellow wire on the mating dash connector. Connect the other end to a good chassis ground, following the manufacturer's instructions.



American Autowire

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

bag H

INSTRUMENT CLUSTER

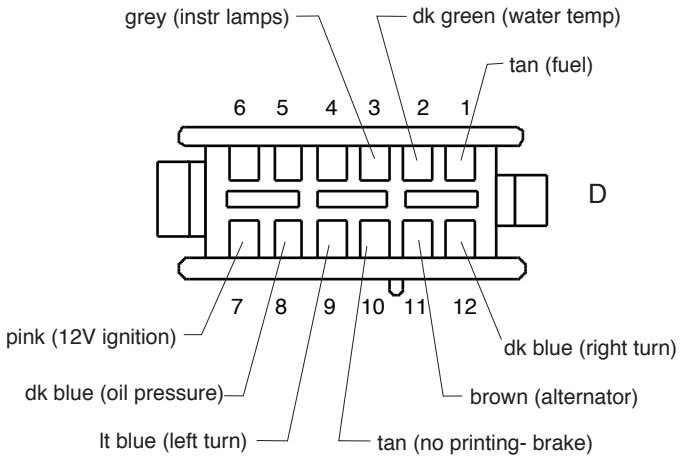
500663

92965909 instruction rev 6.0 3/14/2013

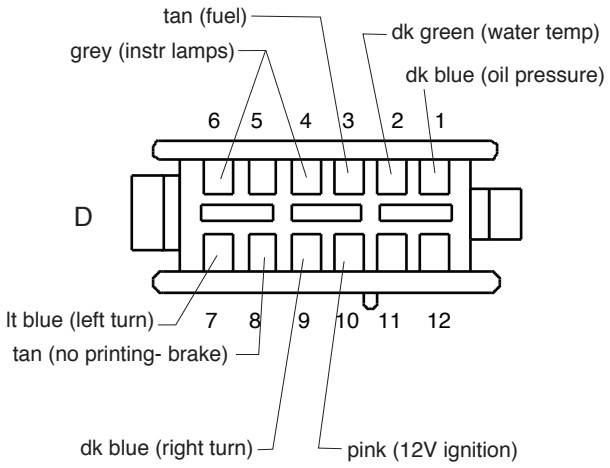
USE THIS SHEET TO CONNECT TO AN ORIGINAL 1967-68 FIREBIRD FACTORY INSTRUMENT CLUSTER WITH A CIRCUIT BOARD CONNECTION

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

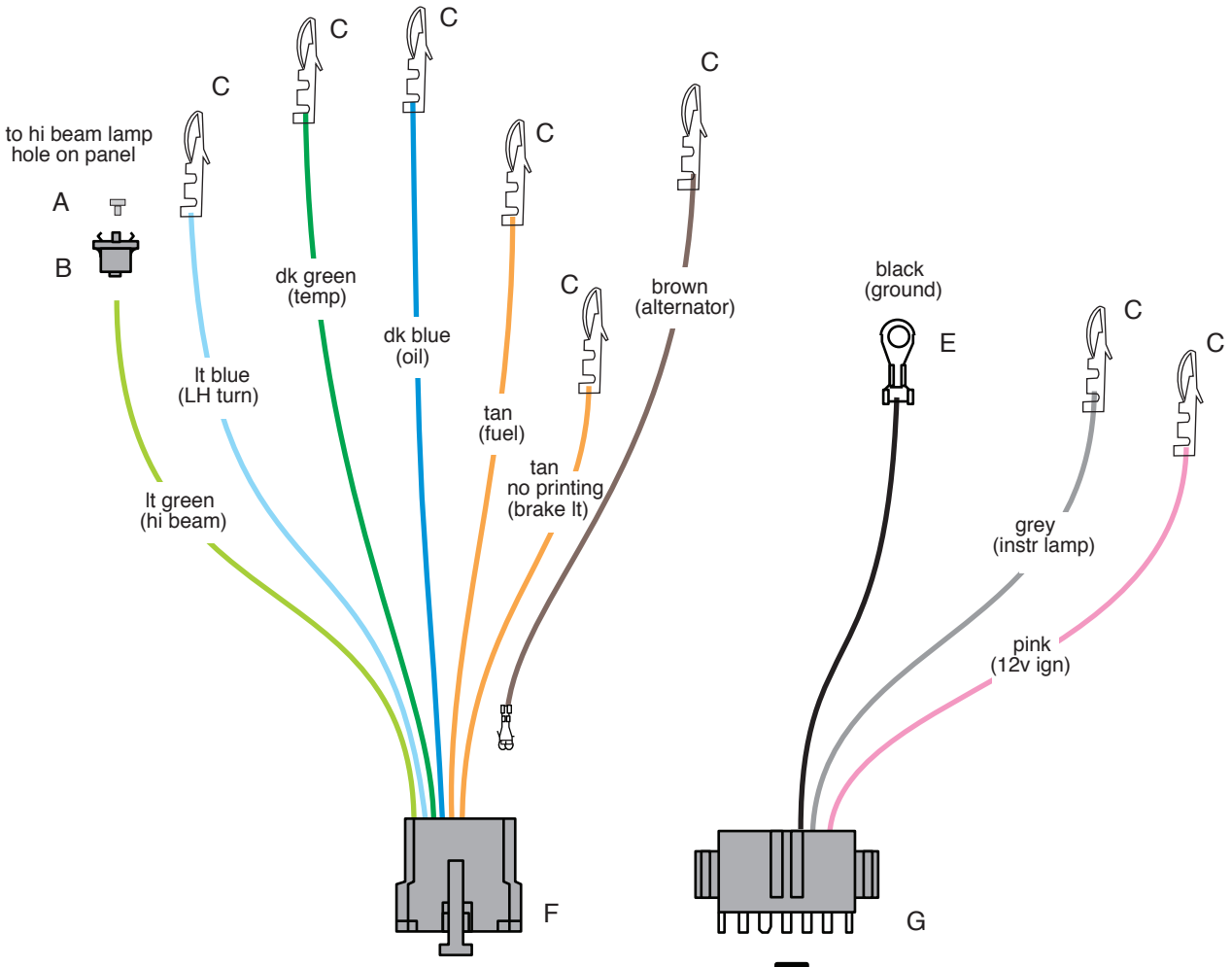
CIRCUIT BOARD CONNECTOR
WITHOUT GAUGES



CIRCUIT BOARD CONNECTOR
WITH GAUGES



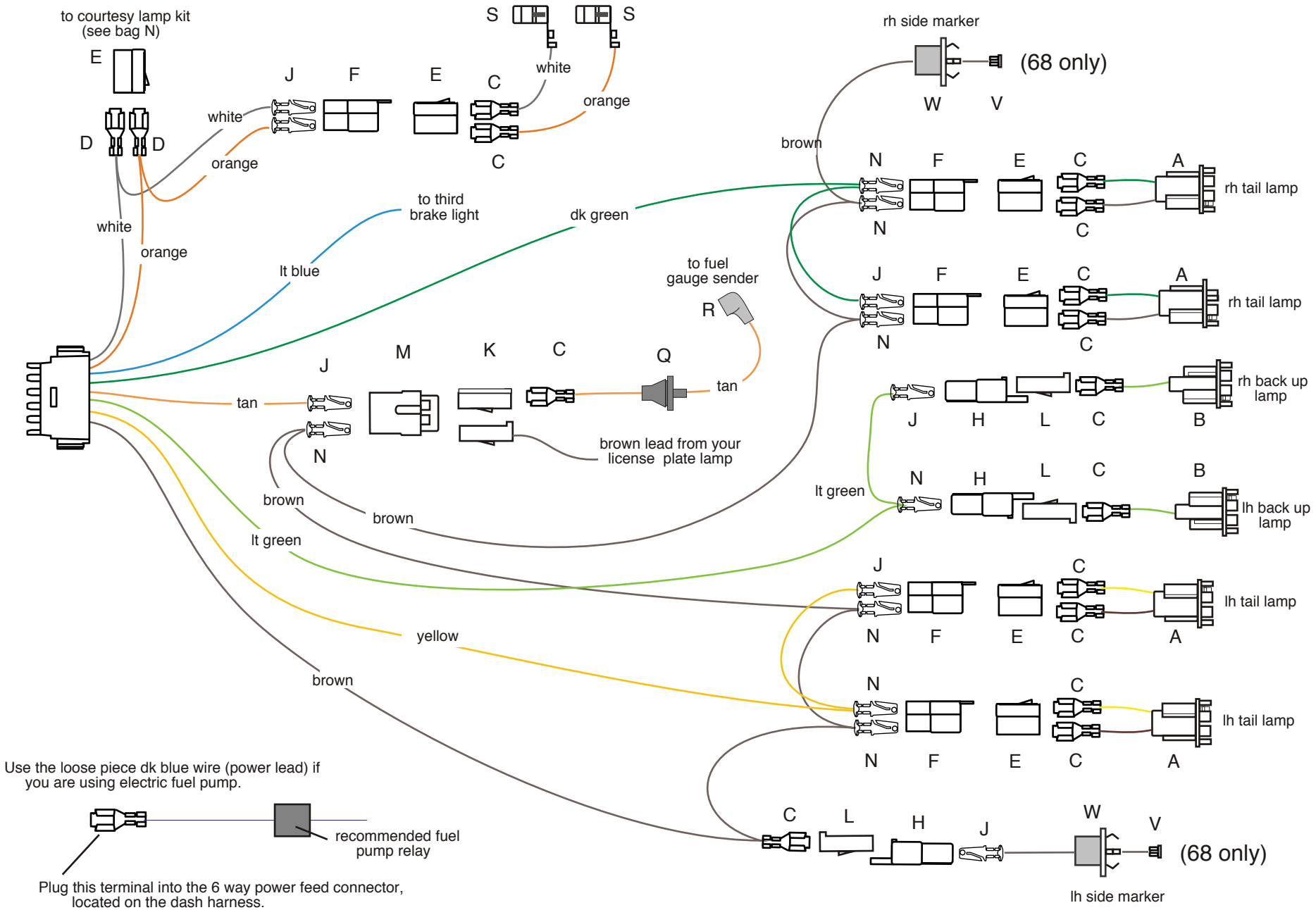
Classic Update Series



dash harness connectors (bag G)

This page Intentionally left blank

Classic Update Series



USE THIS SHEET FOR A 67-68 FIREBIRD

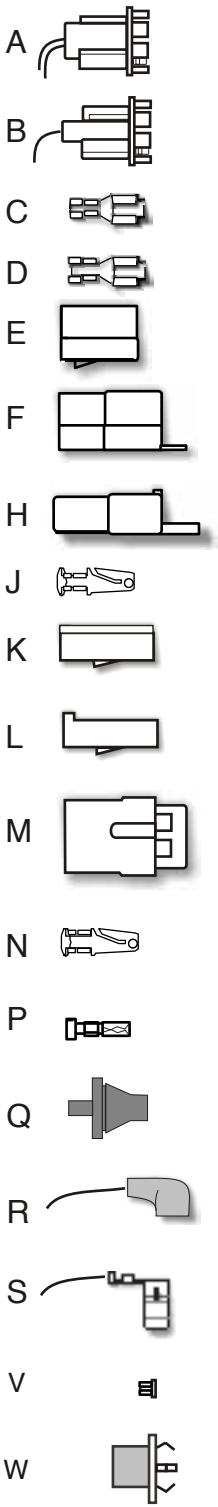
REAR BODY KIT
500673

92965933 instruction Rev 4.1 5/12/2017

Classic Update Series

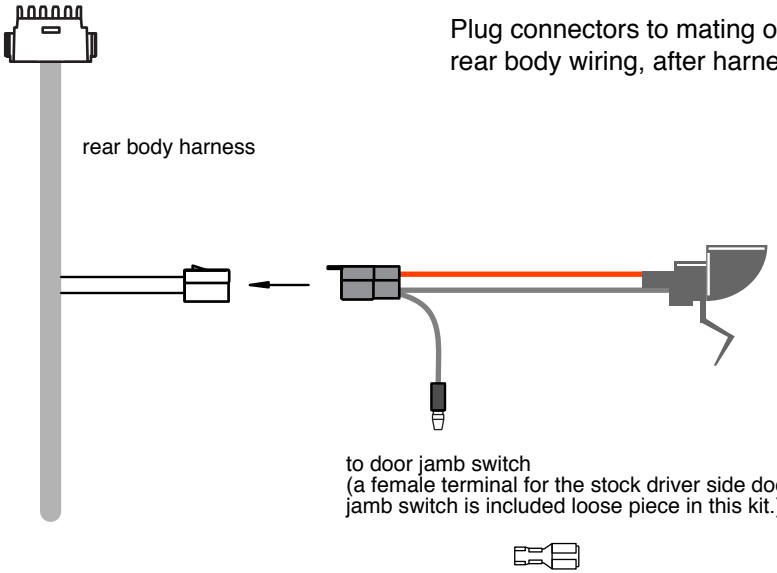
USE THIS SHEET FOR A 67-68 FIREBIRD

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).

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



American Autowire

www.americanautowire.com 856-933-0801

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

PART #

500708

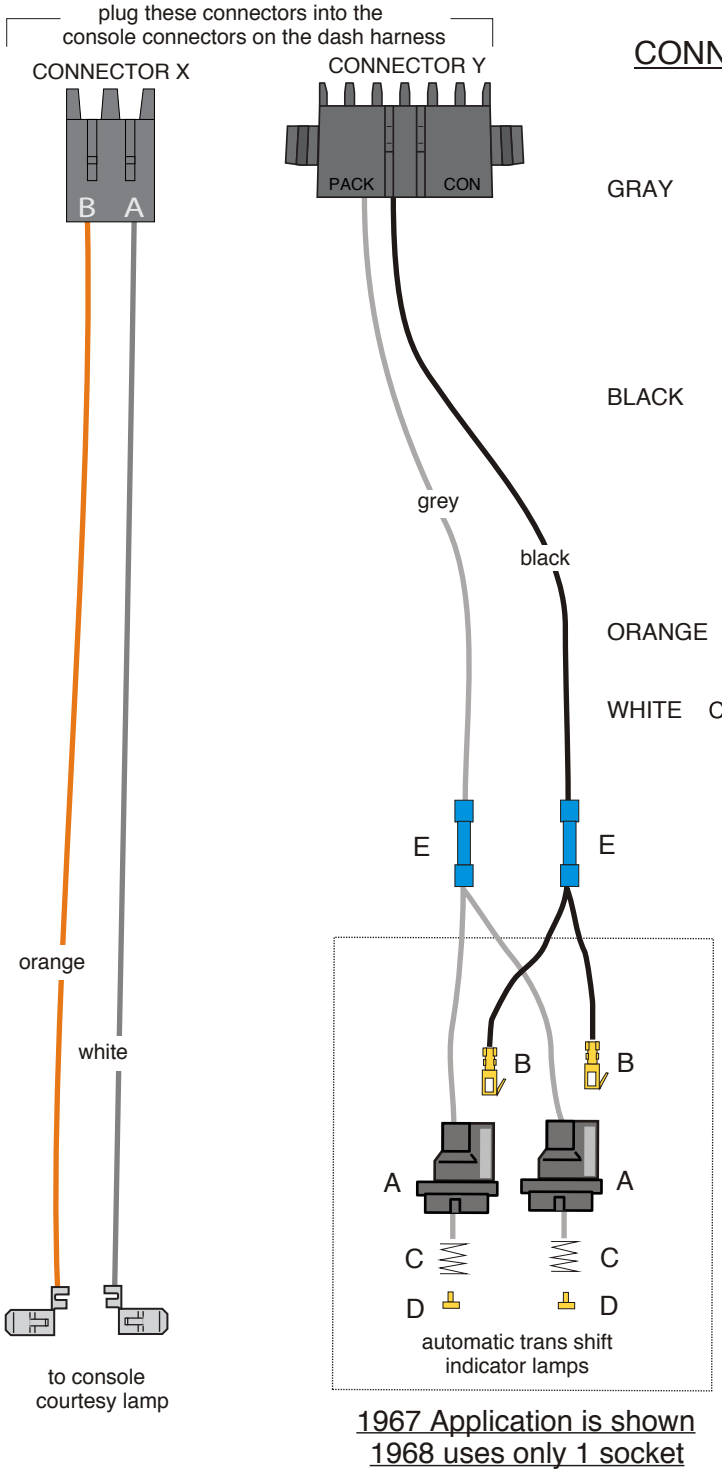
N

DESCRIPTION:

Courtesy Lamp Kit

92966085 Rev 1.0 8/16/2013

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.

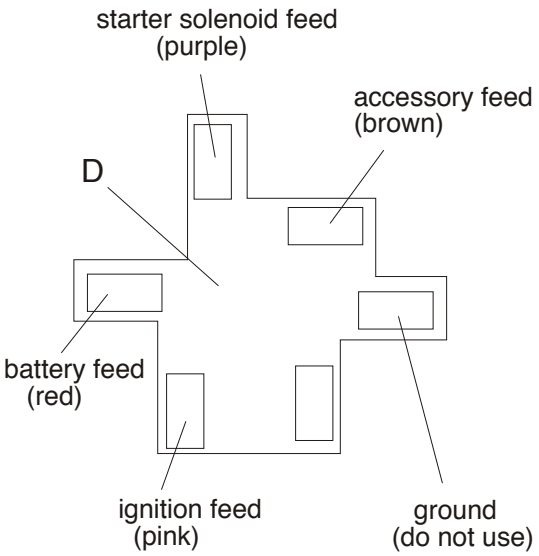
Classic Update Series

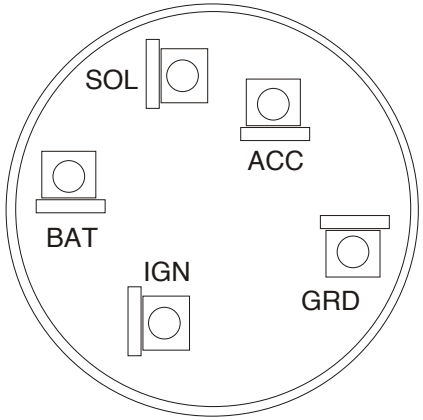
1967-68 Firebird

Console Kit

500889

92967721 Rev 0.1 7/12/2017





NOTE: View from back of connector.
(wire entry side)

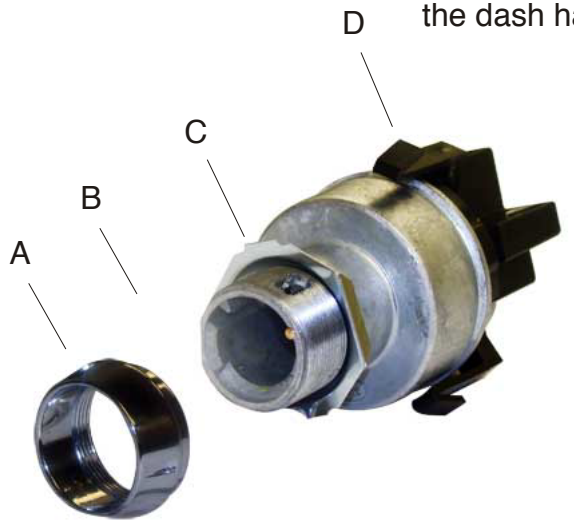
INSTALLATION

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.

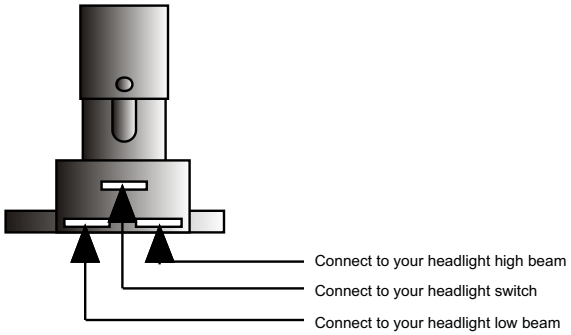
This connector is on
the dash harness



American Autowire

www.americanautowire.com 856-933-0801

IGNITION SWITCH
Classic Update Series
VARIOUS APPLICATIONS
500709
92966087 instruction rev 3.0 8/1/2018



Connect the Dimmer Switch wires as shown above.

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

another wiring product by...

American Autowire

We Make Wiring Easy!!

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

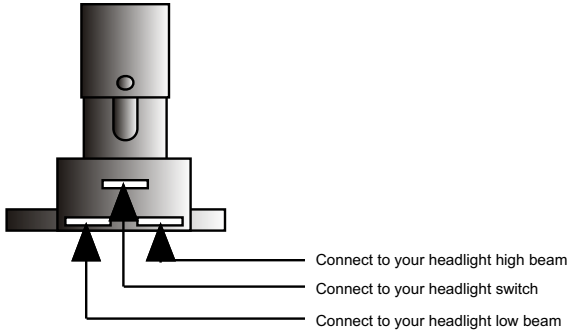
PART #

500042

DESCRIPTION:

DIMMER SWITCH

92964573 instruction sheet Rev 3.0 6/29/99



Connect the Dimmer Switch wires as shown above.

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

another wiring product by...

American Autowire

We Make Wiring Easy!!

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

PART #

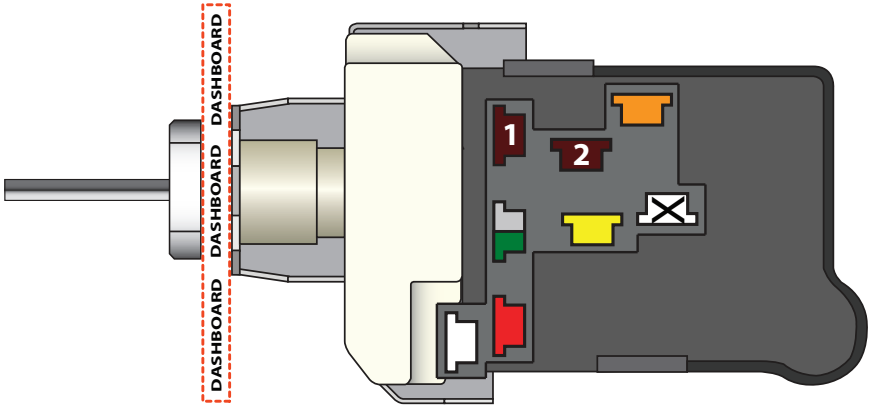
500042

DESCRIPTION:

DIMMER SWITCH

92964573 instruction sheet Rev 3.0 6/29/99

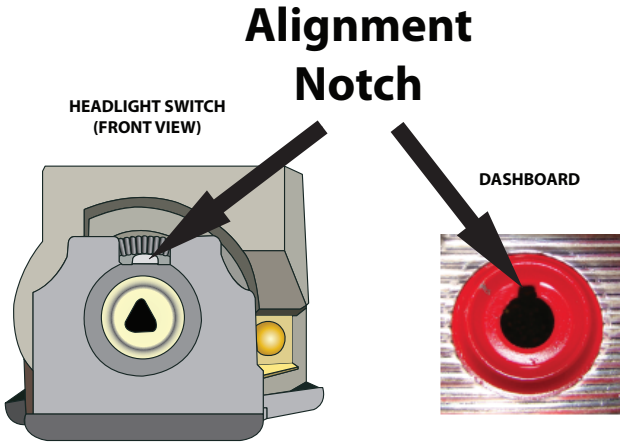
Most switches supplied with Classic Update and Universal Kits ship with the shaft pre-installed. In many instances, the switch can be installed without removing the shaft, but in some cases the switch shaft may need to be trimmed to fit your specific dash. In this situation, reference Trim to Fit instructions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



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:

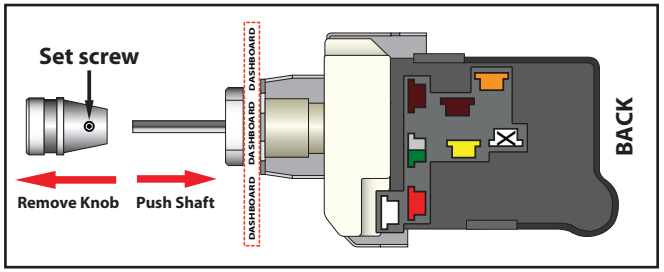
Headlight Switch

92964649 Rev 3.0 1/3/2020

To Trim Shaft to Fit or Remove Shaft:

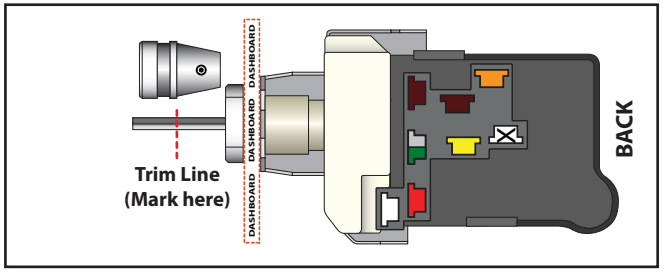
The headlight shaft knob should extend from the face of the mounting nut, and must allow enough clearance for the switch to turn off. If the shaft is longer than necessary for your specific dash it can be trimmed to fit. Always trim the knob end of the shaft only and follow the guidelines below for best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

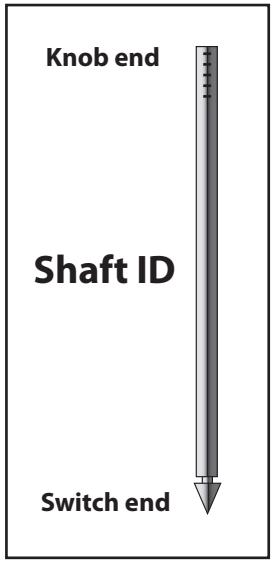
1. With the headlight switch installed, loosen the set screw and remove the knob. Make sure the switch is in the "off" position by pushing the shaft toward the back of the switch.



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.