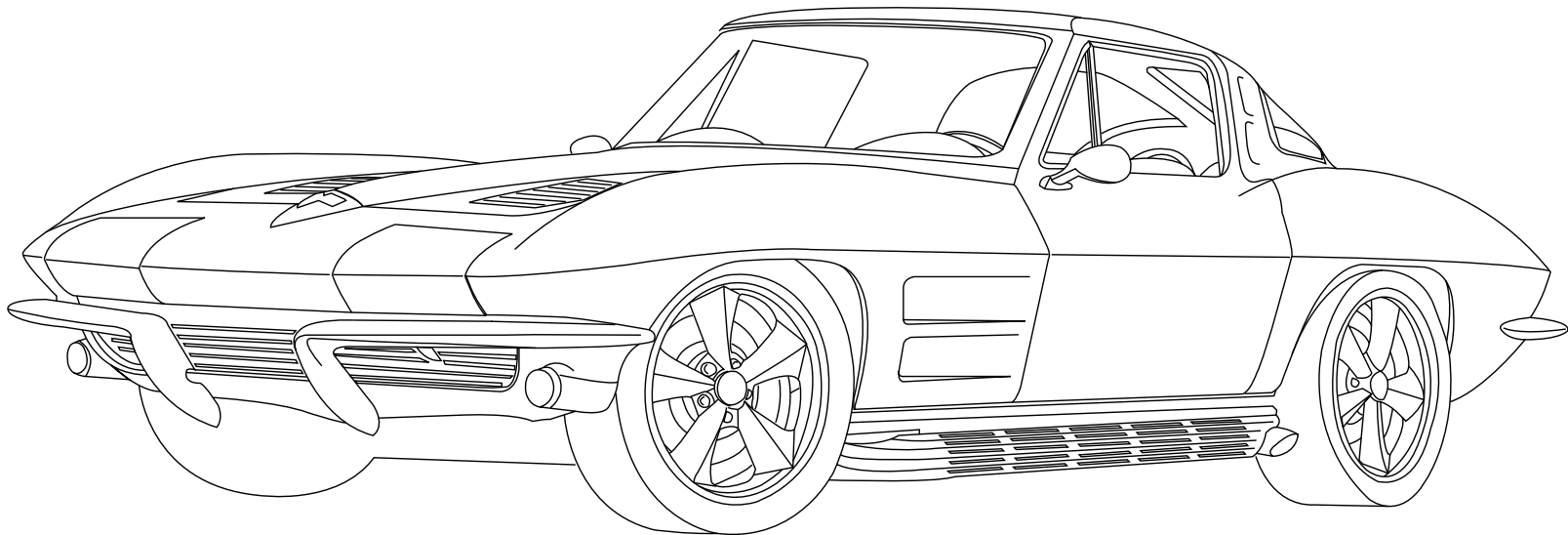




WARNING:
Validate the kit contents with the component list included on this page, before proceeding. This kit is intended to be used in a modified vehicle. Please read this page thoroughly and be sure that you understand everything explained on it prior to opening any of the enclosed packages, or before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

1. This new upgraded AAW wiring system should typically be used in a **MODIFIED** application only.
2. This kit includes the wiring to support the use of a factory heater only system and/or aftermarket heater and A/C systems. This kit does not include the wiring for the factory original A/C system.
3. This kit supports the use of a high current self-exciting 1-wire, "SI" series, or other style internally regulated alternator. An adapter may be necessary in some applications. The use of stock, low amperage alternators is seriously discouraged as they cannot handle the higher current requirements of most updated ignition systems, electric fans, aftermarket A/C systems, stereo systems, air ride suspensions, and other power hungry accessories that will ultimately create performance issues within the system.
4. AAW **DOES NOT** support the use of an 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 terminal. Due to the path of the charge being altered from the stock configuration, the gauge can no longer see a charge vs. a discharge, so it may not work properly. Most stock alternator current outputs were rated at a maximum of about 37-60 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. This wiring system has been designed to work with a voltmeter.
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 crank and run positions. 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. Primary ignition voltage in the cranking position is handled via a full 12 volt bypass wire that is routed from the starter "R" terminals to the positive side on the coil. Extra parts (ballast resistor) that are not included in this kit will be required to complete that type of operation.



510612 - Classic Update Series Kit
1963-67 Chevrolet Corvette

This kit contains the following components:

Bag	Part Number	Description	Quantity
	500042	Floor Dimmer Switch	1
	500332	Headlight Switch	1
	500684	Ignition Switch	1
	500919	Practice Terminal Crimping Set	1
	510145	Fuse, Relay, and Flasher kit	1
G	510613	Dash Harness kit	1
H	510614	Instrument Cluster wiring kit	1
J	510615	Engine Wiring Kit	1
L	510616	Front Light Wiring kit	1
M	510619	Rear Body Wiring kit	1
N	510620	Headlight Extension Wiring kit	1
Z	510476	Alternator and Main Power kit	1
	92971437	Firewall Template	1

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



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1963-67 Corvette
Classic Update Series
510612

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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 wings of the open barrel terminals down into the wire, as shown on this page. If you use our crimping tools and correctly crimp the included terminals, soldering is not necessary. If you are unsure about a particular crimp, soldering is recommended. Our factory crimped terminations are installed by GM approved five ton presses, and soldering these terminations is not necessary.



AAW offers a great terminal crimping video entitled "Proper Crimping Video". It can be viewed by visiting YouTube.

Type the following address into your web browser, to go directly to the video:
www.youtube.com/watch?v=JAgEDoVI-co

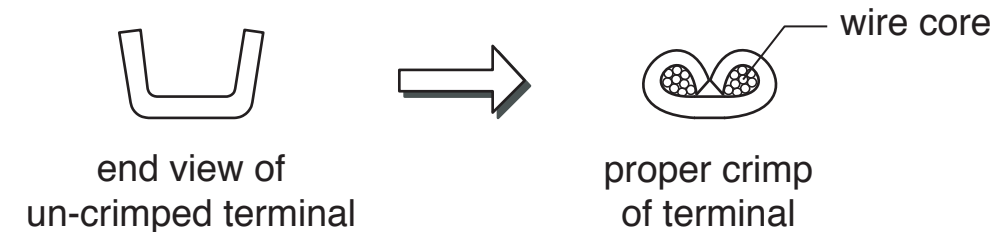
Youtube Channel:
www.youtube.com/user/WiringHarness



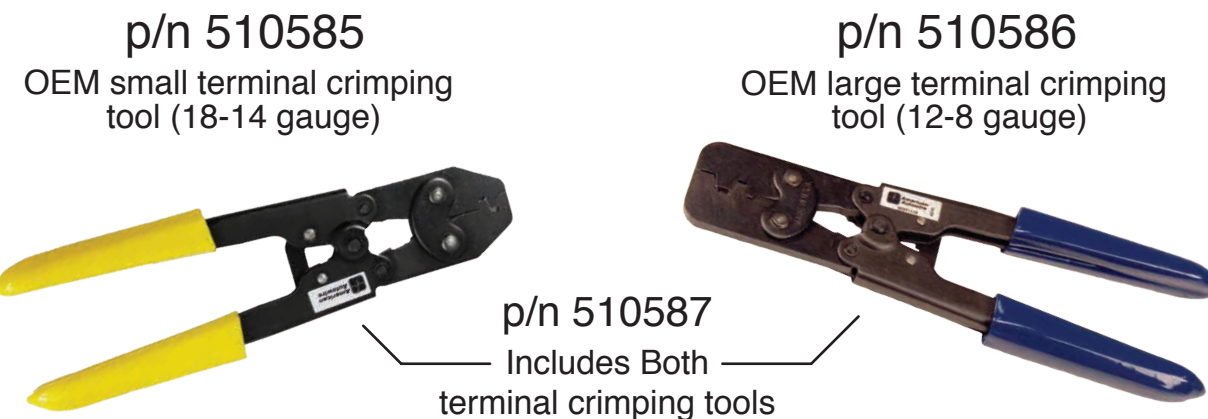
Factory Assembly Manuals

1963 p/n 36337
1964 p/n 36338
1965 p/n 36339
1966 p/n 36340
1967 p/n 36341

The terminals that we supply in our kits, utilize what is known as an F crimp. The F crimp, in a cross section, will look like the illustration below, when done correctly.



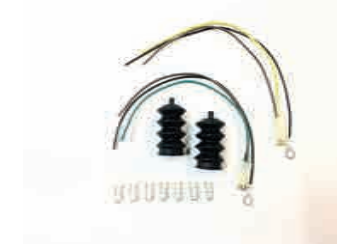
We carry the following crimping hand tools, to help with your terminal crimping. These hand tools are available, for purchase or rental.



We carry many accessories for your 1963-67 Corvette.



Full vehicle
grounding kit
p/n 500717



Optional Third Tail
Light Kit
p/n 510679



64-65 Corvette Rear
Mounted Blower Kit
p/n 510681

STEP 1: DISCONNECT YOUR BATTERY:

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



If you have any questions concerning this or any of our products, please feel free to call us at 1-856-933-0801.

STEP 2: START INSTALLING KIT:
This kit is broken down into individual sections, that are identified by a letter printed on the enclosed sheets, visible through each bag. The order of installation and the pages with their installation instructions, are shown below:

Table of Contents:

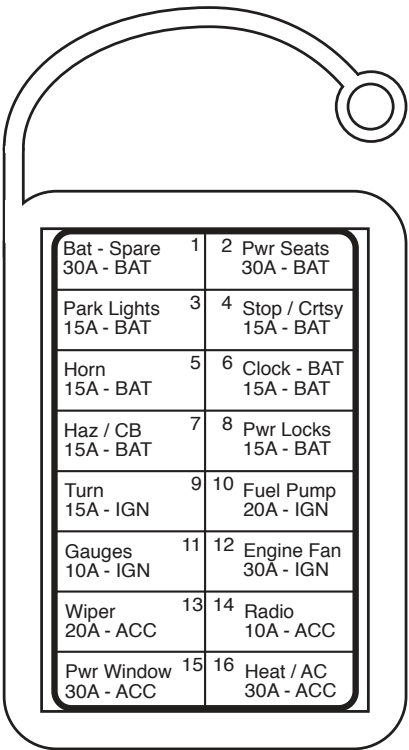
<u>Bags:</u>	<u>Pages:</u>	<u>Sections:</u>
G	4 - 9	Dash Harness - This is the main harness in the kit and contains: <ul style="list-style-type: none">- Starter solenoid connections.- Wiper motor connections- Brake light switch connection.- Neutral safety switch connection.- Door jamb switches.- Wiper module and switch connections- Defrost module and switch connections.- Headlight and fog light connections.
H	10 - 14	Gauge Cluster Harness - This Harness contains: <ul style="list-style-type: none">- Gauge connections for aftermarket and factory gauges.
M	15 - 19	Rear Body Harness - This Harness contains: <ul style="list-style-type: none">- Tail light, turn signal, reverse light, and running light connections.- Hatch connections; third brake light, license plate lights, and rear defroster connections.- Fuel pump connections.
L	20 - 22	Front Light Harness - This Harness contains: <ul style="list-style-type: none">- Headlight, turn signal, running light connections.- Fog lamp wiring.- Windshield washer connection.- Electric fan relay trigger.- Brake fluid level wiring.
J	23 - 25	Engine Harness - This Harness contains: <ul style="list-style-type: none">- Temperature, oil pressure, tachometer wiring.- Ignition system / ECU power.- A/C compressor connections.- Alternator connections.



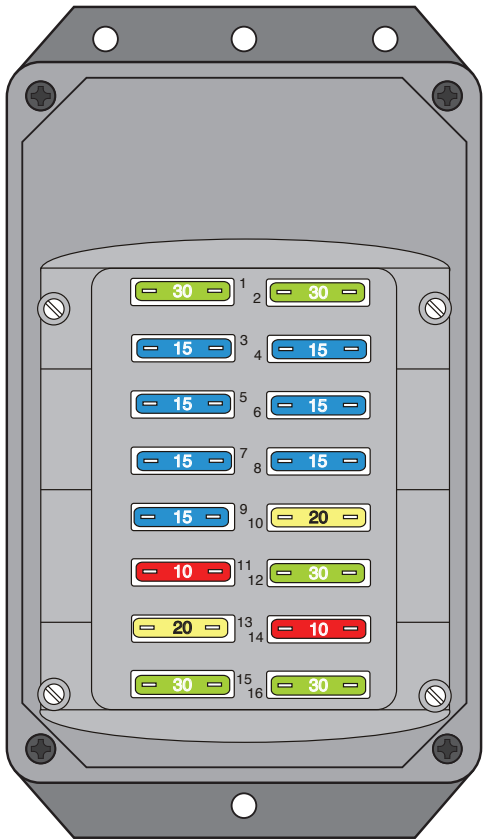
1963-67 Corvette
Classic Update Series
510612

**PLEASE READ THIS HELPFUL INSTALLATION TIP,
BEFORE GOING ANY FURTHER!**

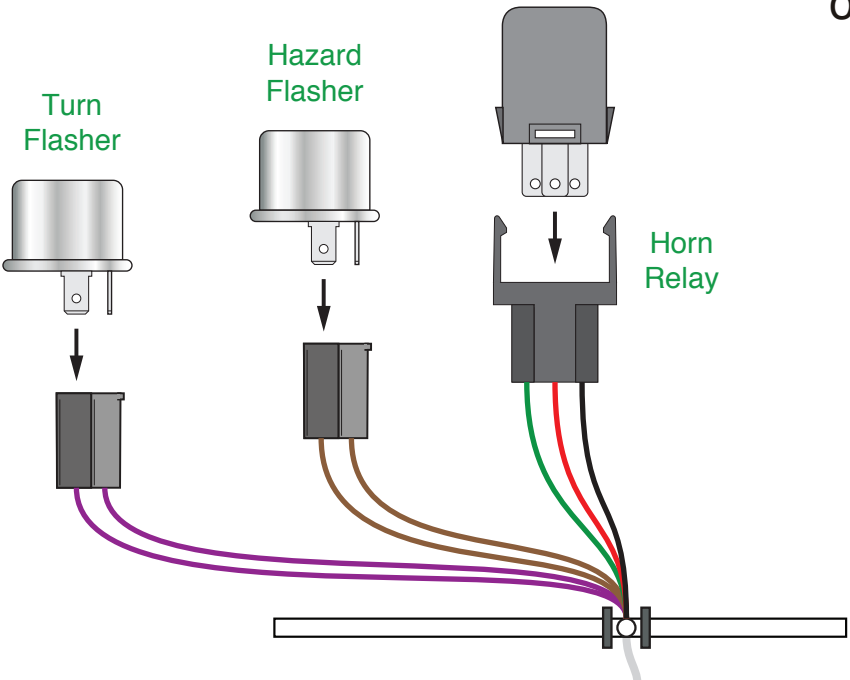
Prior to installing the Dash/Main harness in your dashboard, plug all of the fuses (see detailed picture below), Horn Relay, Hazard Flasher and Turn Flasher (see detailed picture below), into this harness.



Fuse label on inside of Fuse Box Cover




Fuse installation orientation.




Dash/Main harness installation instructions:

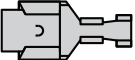
Shown below, are the supplied misc. terminals, plastic connector bodies, hardware, jumpers and extensions that will be used to complete your Dash/Main harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Dash/Main instruction set.

A


(Pack-con 14-way male conn, 1 pc.)

B


(male flat Pack-con terminal, 11 pcs.)

C

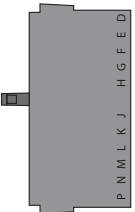
(56 series single female terminal, 8 pcs.)

D

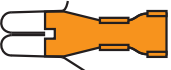
(screw, 1", fuse box, 5 pcs.)

E


(washer, 1/4", 2 pcs.)

F

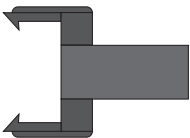
(Pack-con 11-way female conn, 1 pc.)

G


(female Pack-con terminal, 11 pcs.)

H

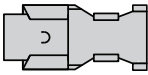
(single male bullet terminal, 6 pcs.)

J

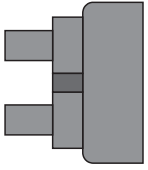
(56 series 2-way female conn, 1 pc.)

K

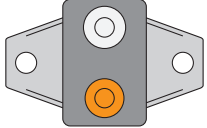
(56 series single female conn, 4 pcs.)

L


(56 series double female terminal, 9 pcs.)

M


(cover, circuit breaker, 1 pc.)

N


(circuit breaker, 1 pc.)

P


(sleeve, long, 2 pcs.)

Q


(single male bullet terminal, 4 pcs.)

R


(ring terminal, 4 pcs.)

T

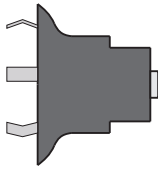
(sleeve, short, 4 pcs.)

U


(10-32 nut, 2 pcs.)

V


(washer, 10-32, 2 pcs.)

W

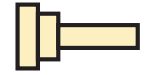
(light socket, 2 pcs.)

Y

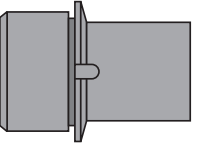
(56 series single female conn, 1 pc.)

AA

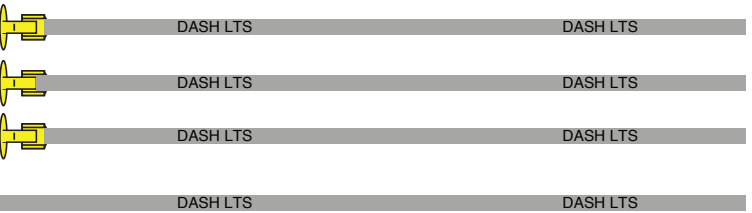
(smaller metal light socket, 1964 and up only, 1 pc.)

BB

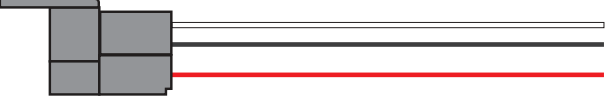
(light socket sleeve, 1 pc.)

CC


(grommet, 2 way, 1 pc.)

DD


(Dash Light Extensions - reference, 4 pcs.)

EE


(Power Antenna Jumper - reference, 1 pc.)

FF


(Dash Light Candelabra Jumper - reference, 1 pc.)

GG

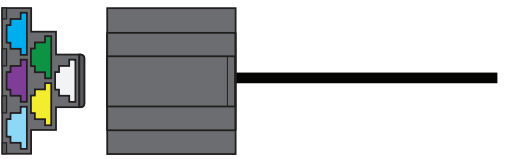
(Headlight Door Jumper - reference, 1 pc.)

HH


(1963 only Parking Brake Extension - reference, 1 pc.)

JJ

(Glove box Light Extension - reference, 1 pc.)

KK

(Turn Signal Switch Jumper, 1963 only - reference, 1 pc.)

LL

(spring, light socket, 1 pc.)

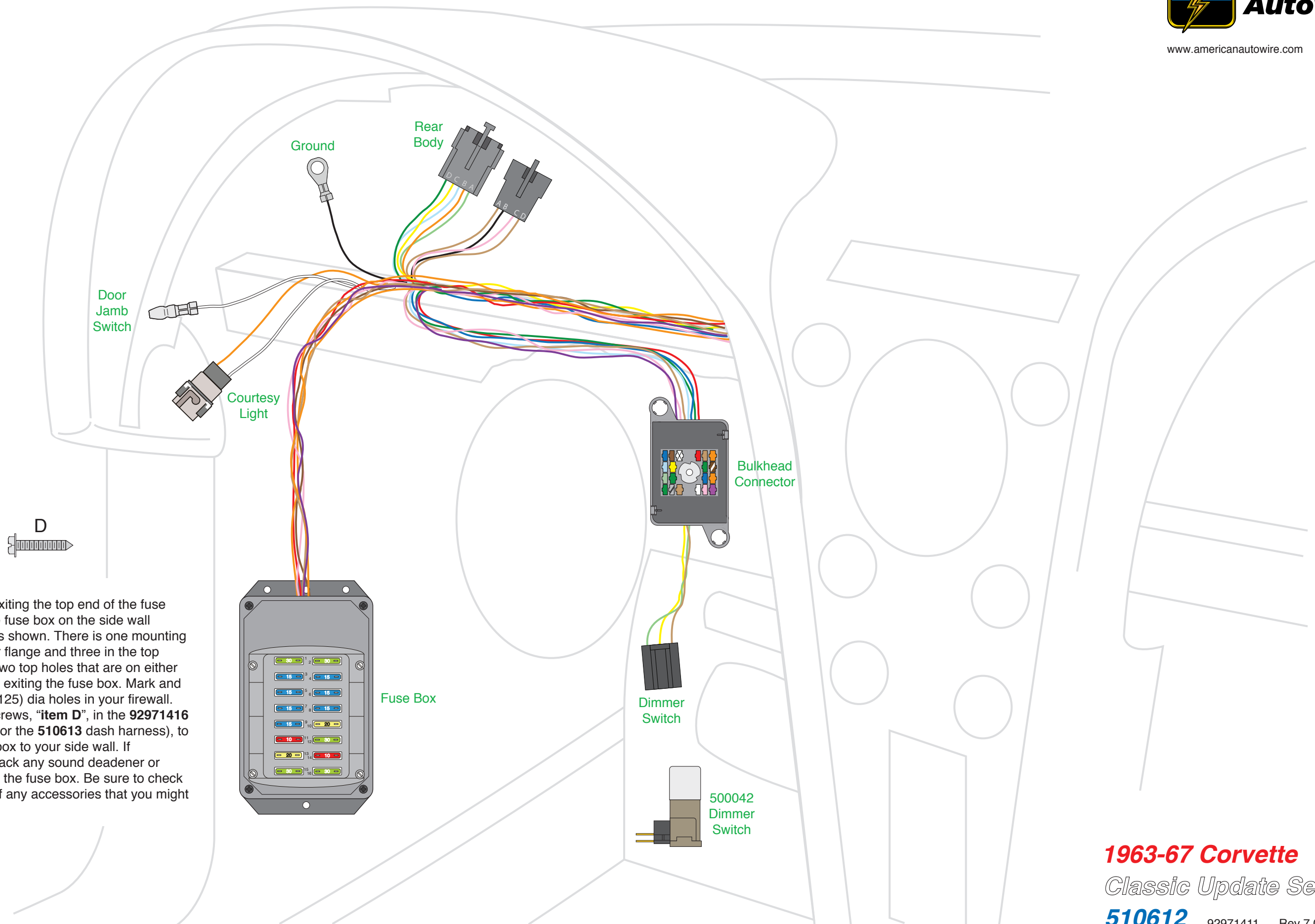


1963-67 Corvette
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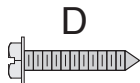
Dash/Main harness installation instructions:



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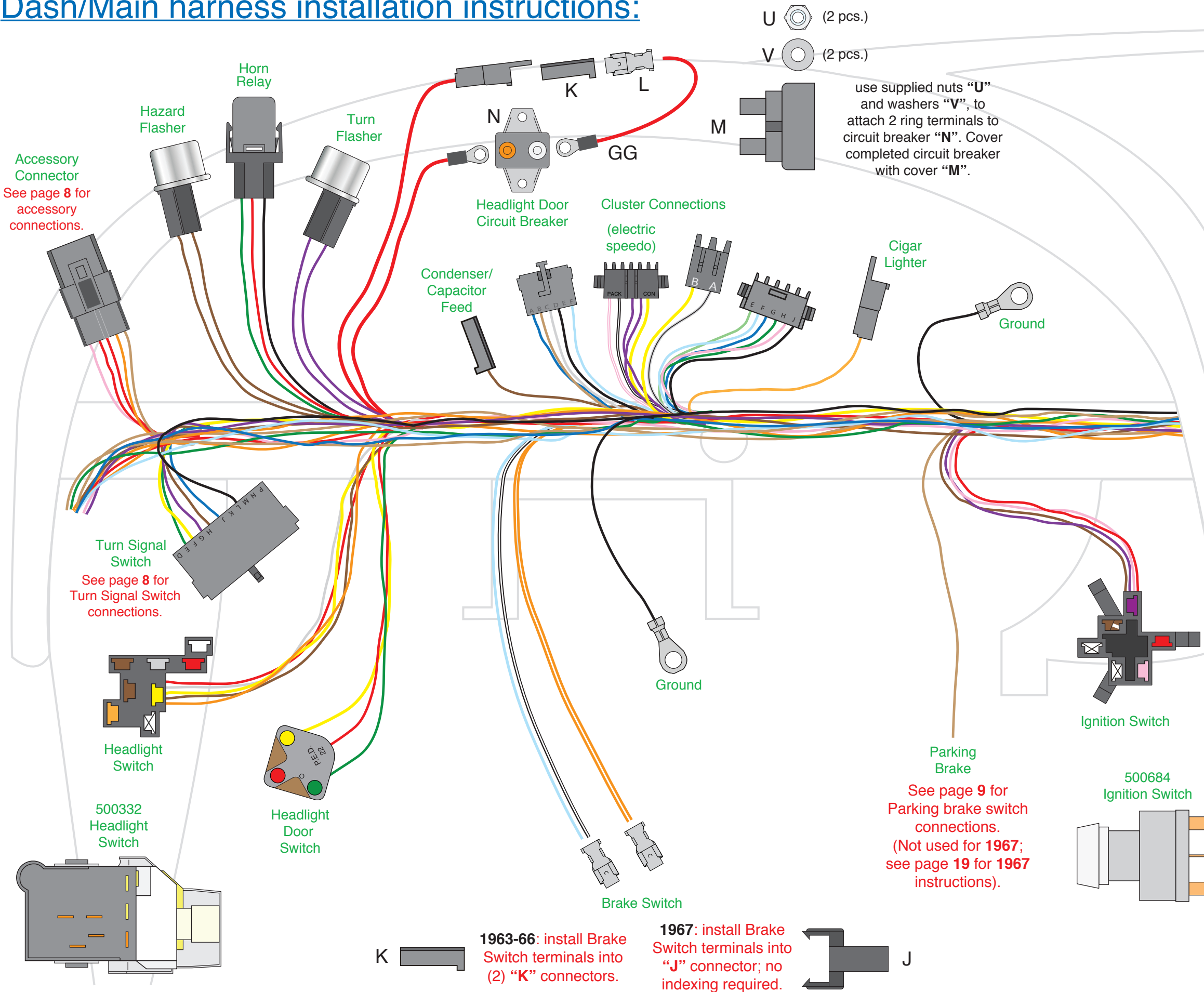
NOTE:
With the wires exiting the top end of the fuse box, position the fuse box on the side wall approximately as shown. There is one mounting hole in the lower flange and three in the top flange; use the two top holes that are on either side of the wires exiting the fuse box. Mark and drill three 1/8" (.125) dia holes in your firewall. Use the three screws, "item D", in the 92971416 loose piece kit (for the 510613 dash harness), to attach the fuse box to your side wall. If necessary, cut back any sound deadener or carpet, to mount the fuse box. Be sure to check for clearances of any accessories that you might be adding.



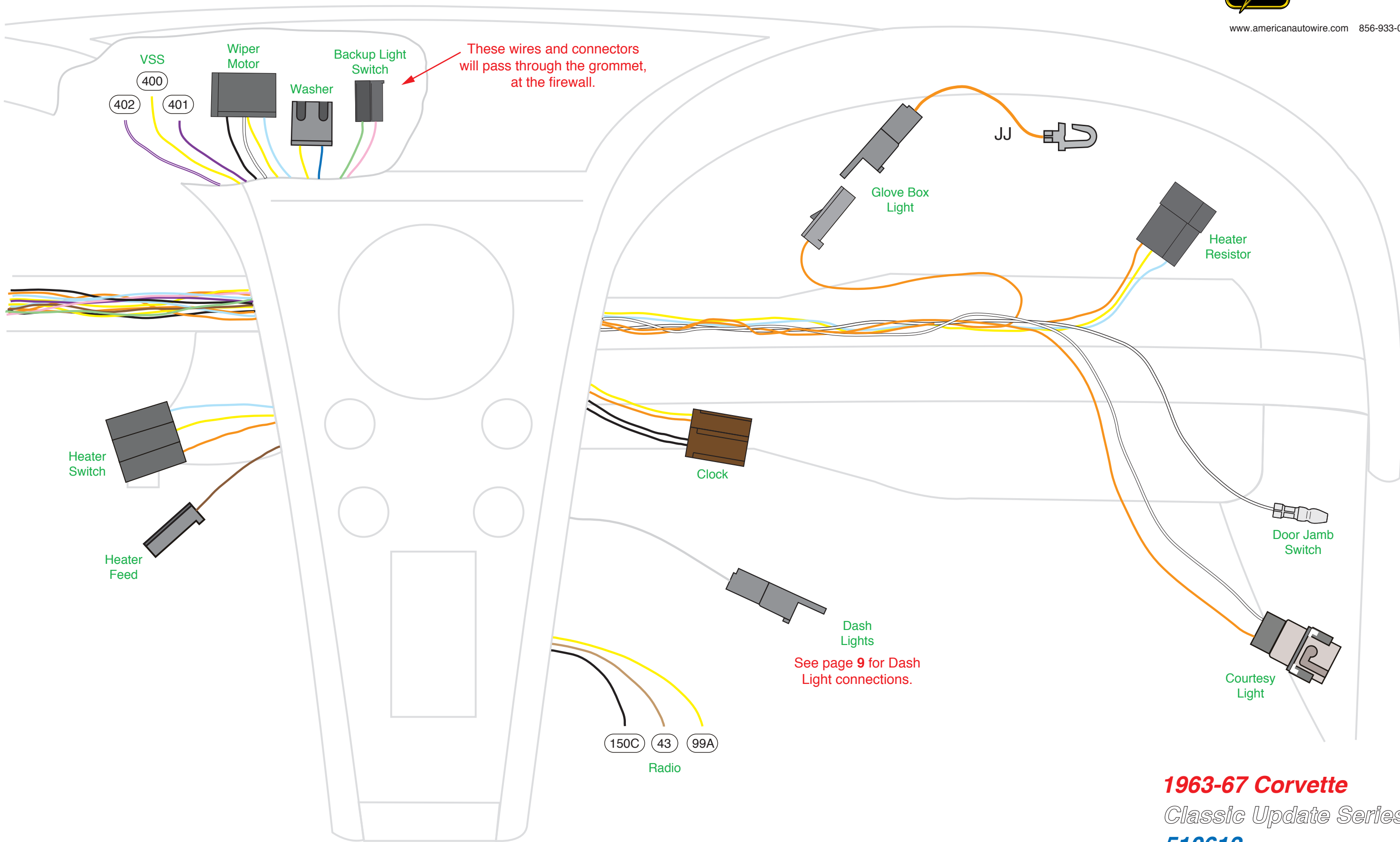
Dash/Main harness installation instructions:



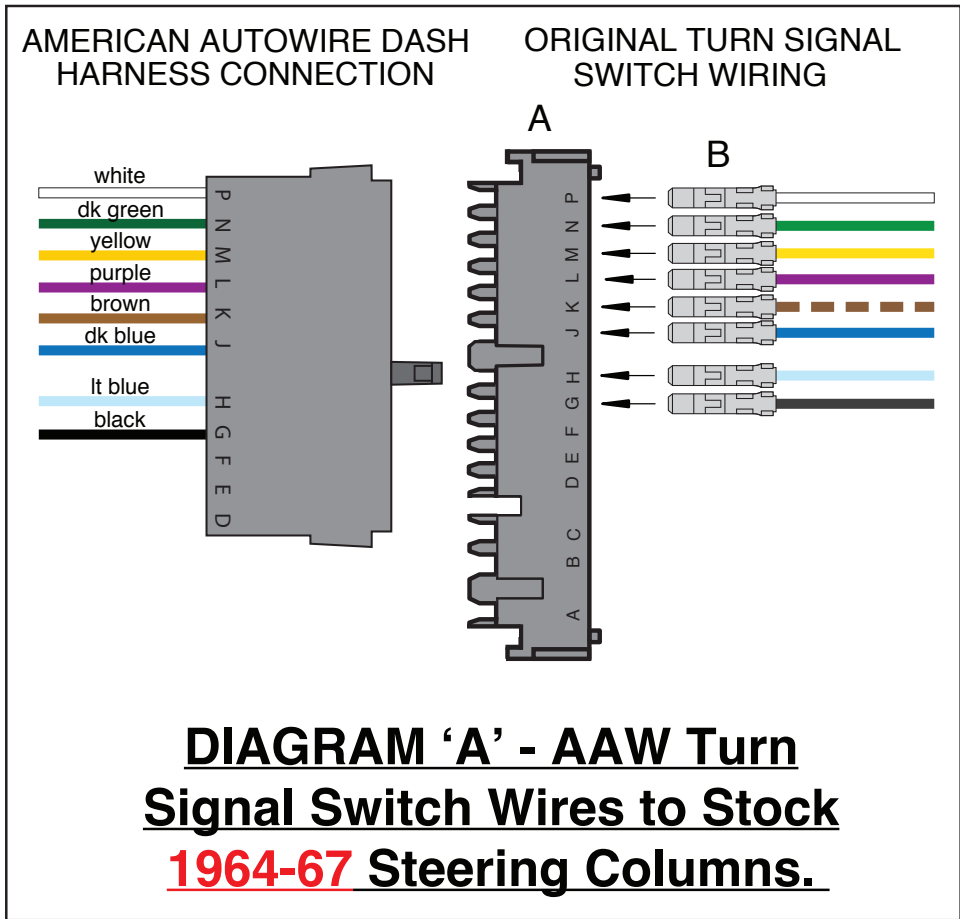
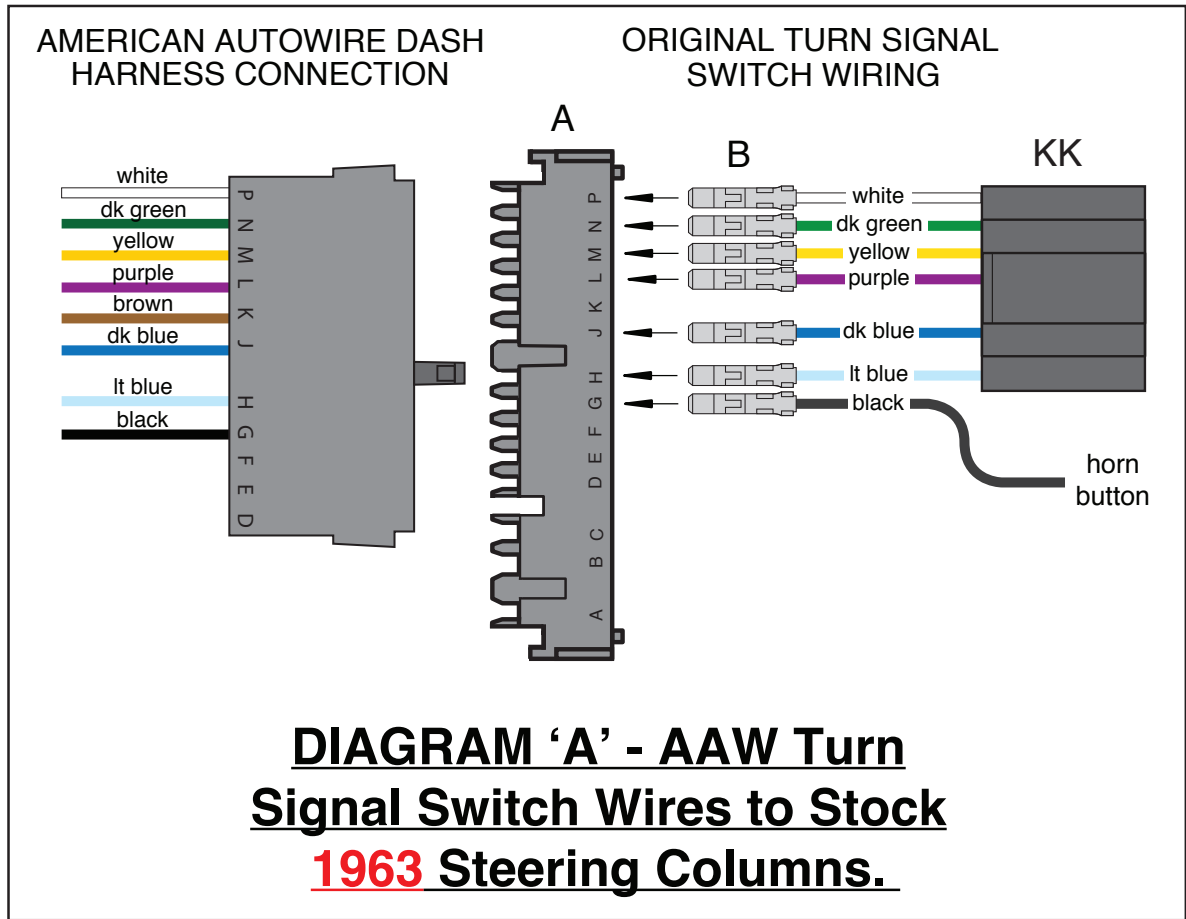
www.americanautowire.com 856-933-0801



Dash/Main harness installation instructions:



Dash/Main harness installation instructions:



“Table B”

AAW Turn Signal Switch wires to stock **1963-67** Chevrolet Corvette Turn Signal Switch

AAW Wire Color	AAW Wire Printing	Connector Cavity AAW
White	Brake SW	P
Dark Green	Right Rear Turn	N
Yellow	Left Rear Turn	M
Purple	Turn Switch Feed	L
Brown	Turn SW – Hazard	K (aftermarket only)
Dark Blue	Right Front Turn	J
Light Blue	Left Front Turn	H
Black	Horn Relay Ground	G
None	None	F
None	None	E
None	None	D

Note: 1963 only: Remove the original Turn Signal Switch Connector and replace it with the AAW 14-way connector “A” and Turn Signal Switch Jumper “KK”. Crimp on terminal “B” to each of the Jumper “KK” wires and plug them into connector “A” (see Parts Kit 92971416).

1964-67 only: Remove the original Turn Signal Switch Connector and replace it with the AAW 14-way connector “A”. Crimp on terminal “B” to each of the original Turn Signal Switch wires and plug them into connector “A” (see Parts Kit 92971416).

Use “Table B” above to align the wires. Also, for all of the vehicles, the Steering Column Horn Button switches ground for the Horn Relay, which then switches power to the Horns, similar to the AAW design.

Accessory Connector

Use the provided 6-way empty connector, which is attached to the 6-way Accessory connector on the Dash Harness, and terminals “C” and “L” to add power wires (not provided) for the following optional systems:

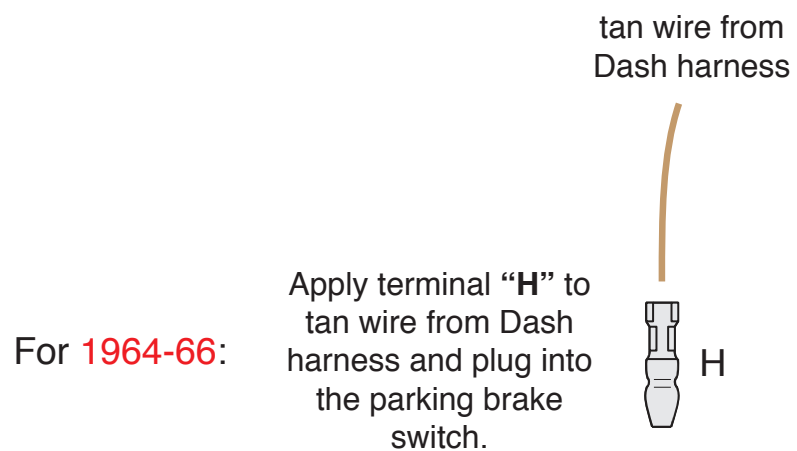
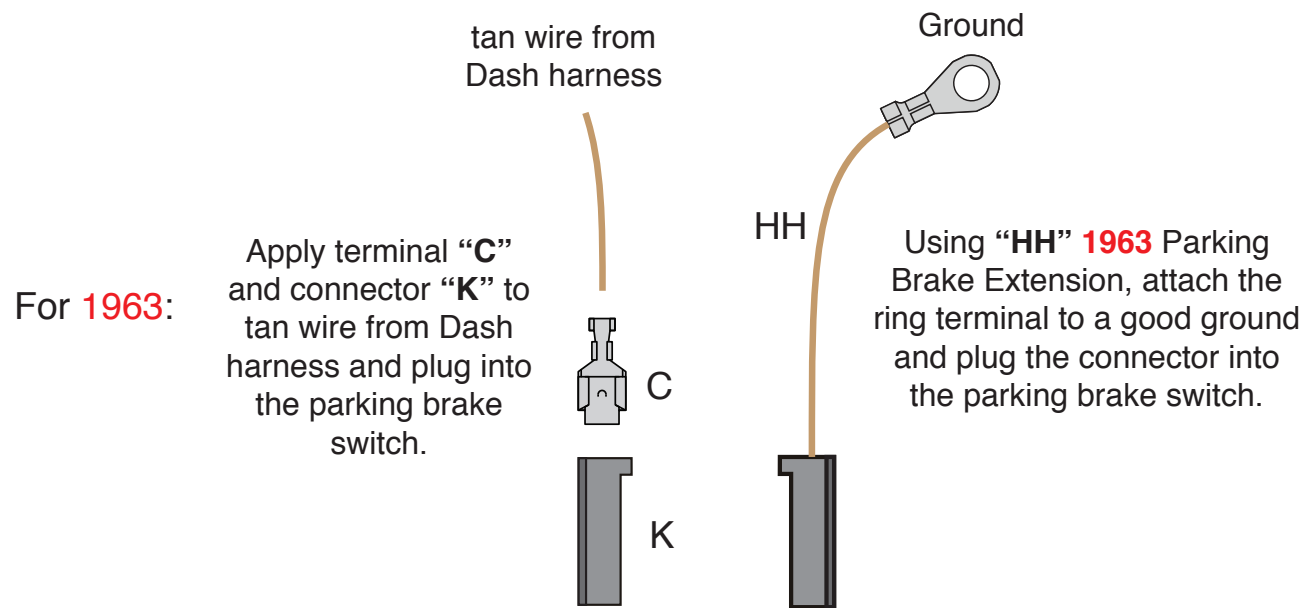
Wire Color	Printing	Fuse #	Fuse Block Cover	Fuse rating	Description
Red	CB-RADIO	7	Haz / CB	15A	Fused 12 volt BATTERY feed for cruise control (may also be used to feed power to another battery circuit).
Tan	FUEL PUMP	10	Fuel Pump	20A	Fused 12 volt IGNITION feed for fuel pump (may also be used to feed power to another ignition circuit).
Orange	POWER SEATS	2	Pwr Seats	30A	Fused 12 volt BATTERY feed for power seats (may also be used to feed power to another battery circuit).
Red	POWER LOCKS	8	Pwr Locks	15A	Fused 12 volt BATTERY feed for power door locks (may also be used to feed power to another battery circuit).
Pink	POWER WINDOWS	15	Pwr Window	30A	Fused 12 volt ACCESSORY feed for power windows (may also be used to feed power to another accessory circuit).
Orange	12V BATTERY FUSED	1	Bat-Spare	30A	Fused 12 volt BATTERY feed (may also be used to feed power to a battery circuit).



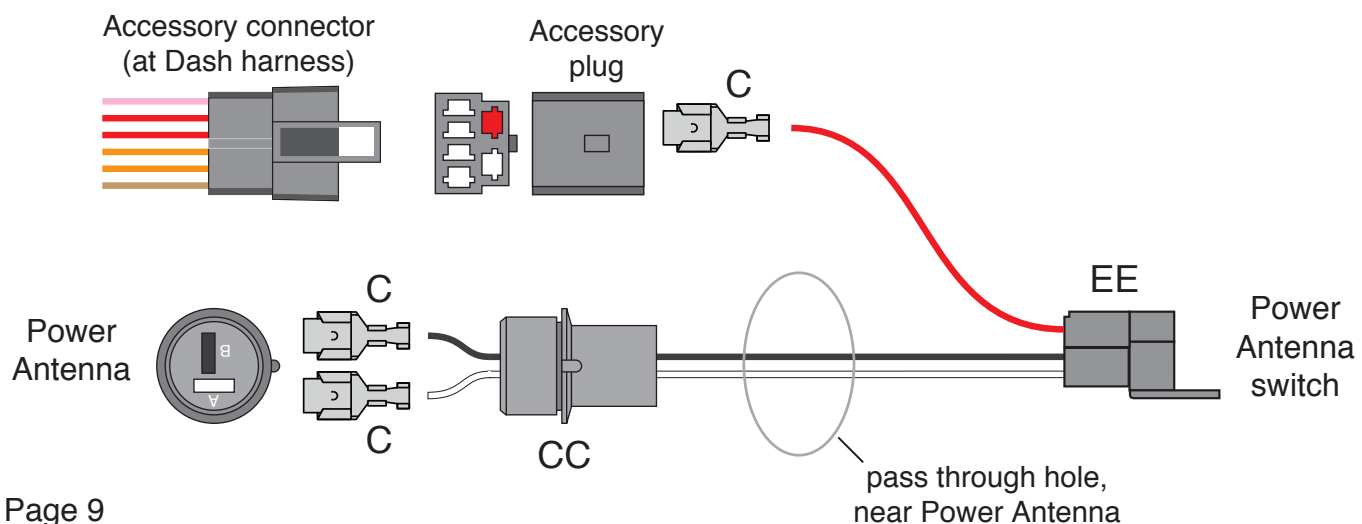
1963-67 Corvette
Classic Update Series
510612

Dash/Main harness installation instructions:

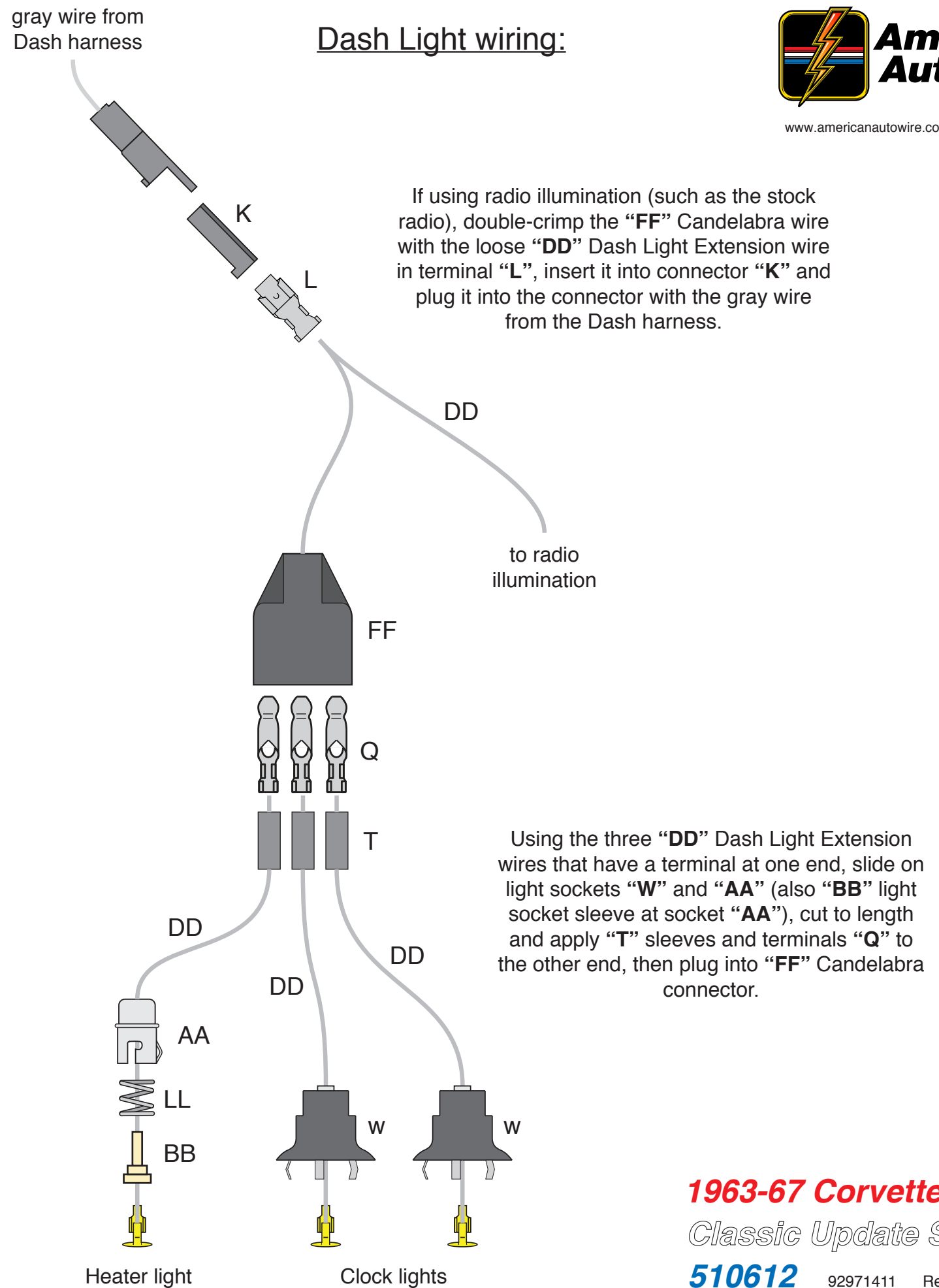
Parking Brake switch wiring:



Power Antenna wiring:



Dash Light wiring:



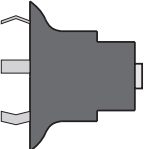
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Classic Update Series
510612 92971411 Rev 7.0 1/7/201


Gauge Cluster harness installation instructions:

Shown below, are the supplied misc. terminals, plastic connector bodies, light sockets and hardware that will be used to complete your Gauge Cluster harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Gauge Cluster instruction set.

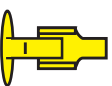
- A




(light socket, 13 pcs.)
- B



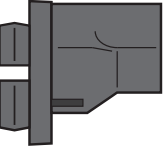
(spring, plastic light socket, 1 pc.)
- C



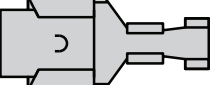
(terminal rivet, 20 pcs.)
- D




(terminal, plastic light socket ground, 2 pcs.)
- E




(plastic light socket, 1 pc.)
- F




(56 series single female terminal, 8 pcs.)
- G




(splice clip, 3 pcs.)
- H




(shrink tubing, 3 pcs.)
- J




(reflector, smaller metal light socket, 1 pc.)
- K




(smaller metal light socket, 1 pc.)
- L



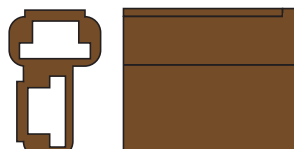
(insert, plastic light socket, 1 pc.)
- M



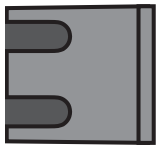
(spring, smaller metal light socket, 1 pc.)
- N




(56 series 2-way female conn, 2 pcs.)
- P



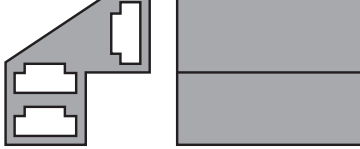
(56 series 2-way female conn, 1 pc.)
- R




(56 series 2-way female conn, 1 pc.)
- T



(56 series 1-way female conn, 3 pcs.)
- U



(56 series 3-way female conn, 1 pc.)
- V



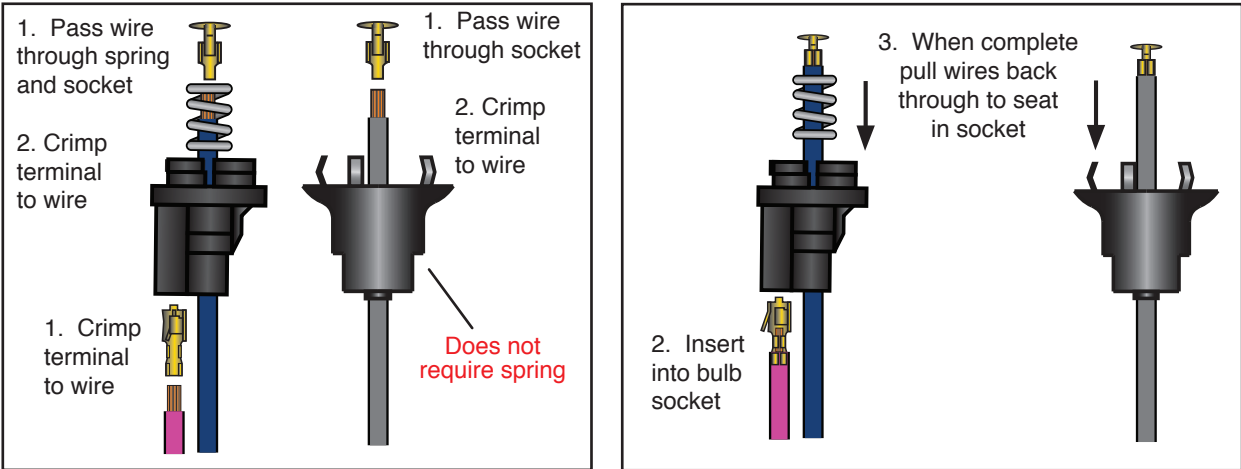
(small ring terminal for smaller gauge wire, 1 pc.)



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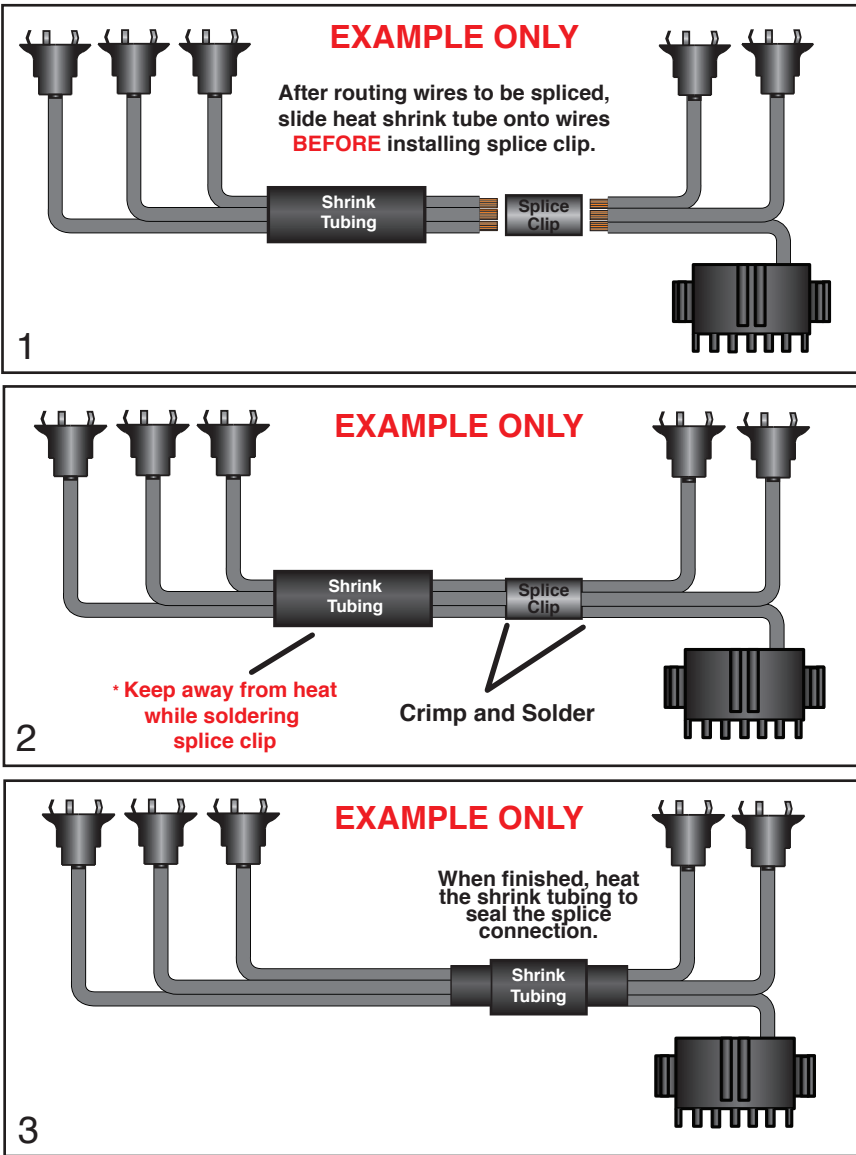
92971411 Rev 7.0 1/7/2019

How to install lamp sockets and lamp socket terminals.

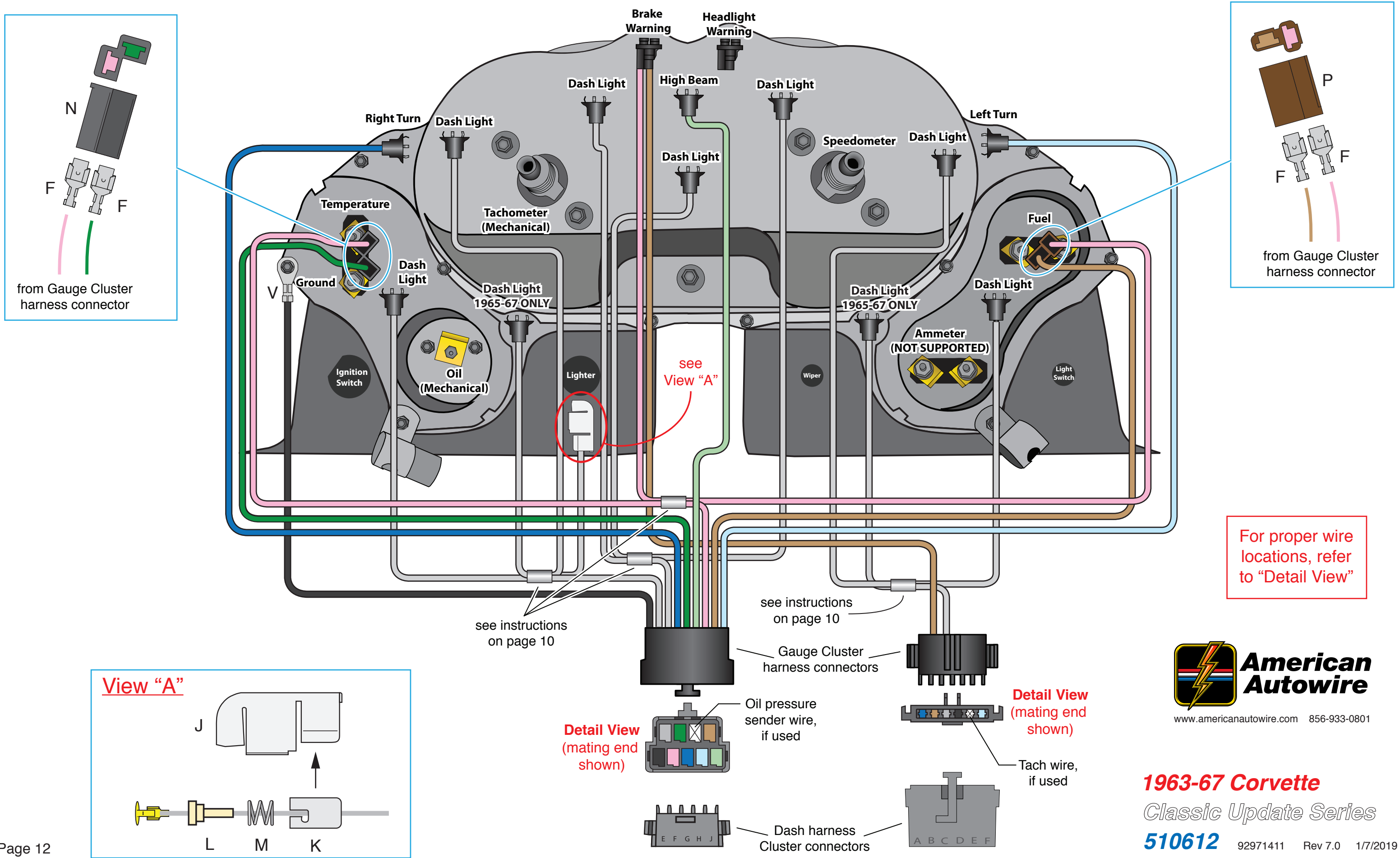


How to use the splice clip to join multiple wires.

Below is just an **EXAMPLE** of how to use the splice clip and shrink tubing; see your specific application on the following pages for actual splice information.



Gauge Cluster harness installation instructions:

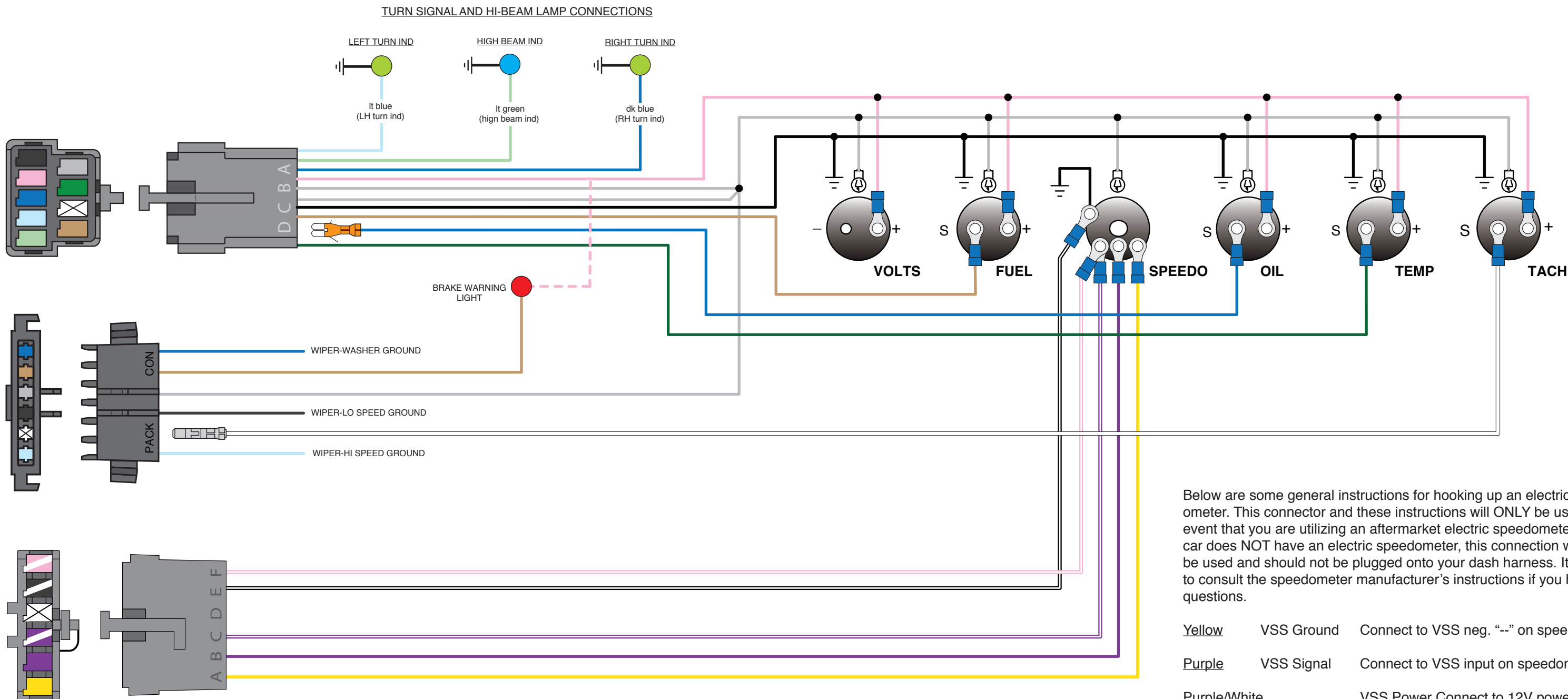


For proper wire locations, refer to "Detail View"



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Gauge Cluster harness (aftermarket gauges) installation instructions:



Below are some general instructions for hooking up an electric speedometer. This connector and these instructions will ONLY be used in the event that you are utilizing an aftermarket electric speedometer. If your car does NOT have an electric speedometer, this connection 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.

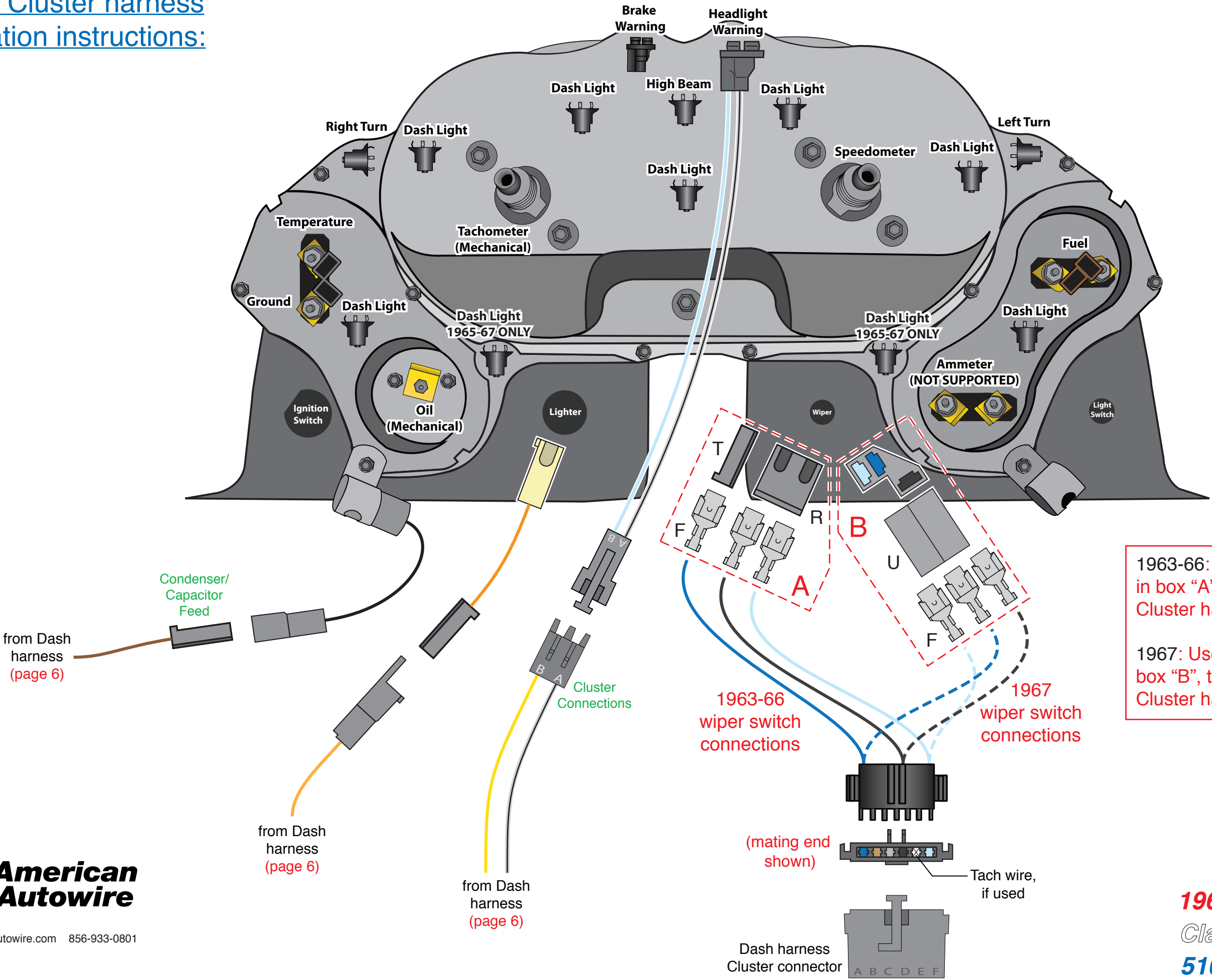
- Yellow VSS Ground Connect to VSS neg. "--" on speedometer.
- Purple VSS Signal Connect to VSS input on speedometer.
- Purple/White speedometer. VSS Power Connect to 12V power on speedometer.
- Black/White Speedo GroundConnect to ground on speedometer.
- Pink/White Speedo Power Connect to 12v power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



See pages 12-14.

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Gauge Cluster harness
installation instructions:



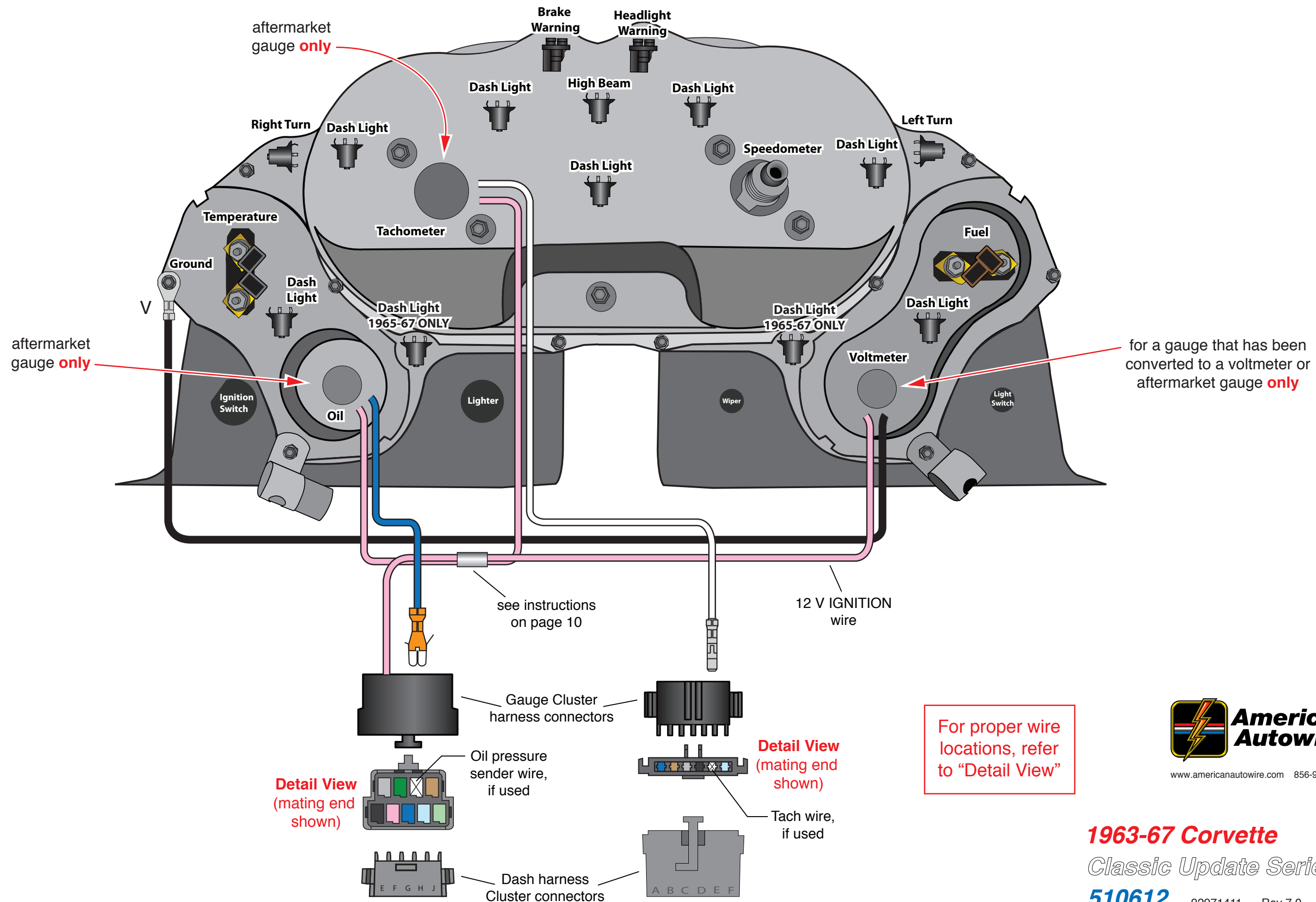
1963-66: Use terminals and connectors in box "A", to the left, to connect Gauge Cluster harness to the wiper switch.

1967: Use terminals and connectors in box "B", to the left, to connect Gauge Cluster harness to the wiper switch.



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Gauge Cluster harness (optional aftermarket functions) installation instructions:

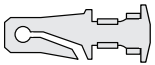


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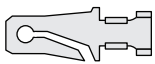
Rear Body harness installation instructions:

Shown below, are the supplied misc. terminals, plastic connector bodies, boots and wire extensions that will be used to complete your Rear Body harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Rear Body instruction set.

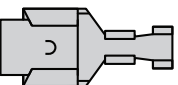
- A



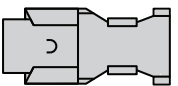
(56 series single male terminal, 6 pcs.)
- B



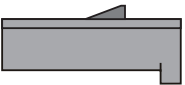
(56 series double male terminal, 3 pcs.)
- C



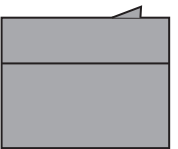
(56 series single female terminal, 10 pcs.)
- D



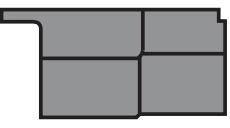
(56 series double female terminal, 5 pcs.)
- E



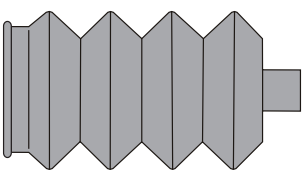
(56 series 1-way female conn, 3 pcs.)
- F




(56 series 2-way female conn, 2 pcs.)
- G



(56 series 2-way male conn, 2 pcs.)
- H

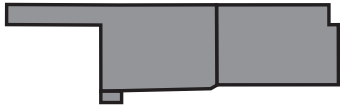


(boot, 6 pcs.)
- J




(bullet terminal, 4 pcs.)


- K




(56 series 1-way male conn, 2 pcs.)
- L




(splice barrel, 1 pc.)
- M



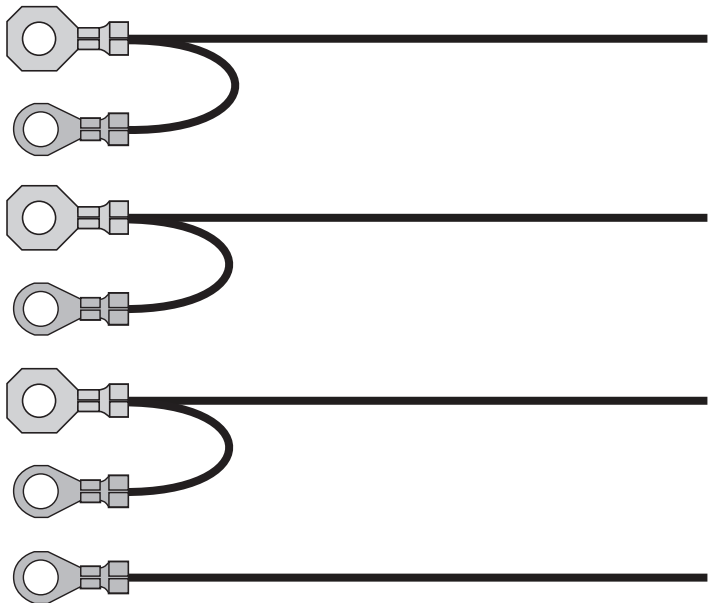
(heat shrink, 1 pc.)
- N



(parking brake wire, 1967 only, - reference, 1 pc.)
- P



(license plate light extension - reference, 1 pc.)
- R



(tail, license and back-up light, ground extensions - reference, 4 pcs.)



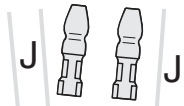
**1963-65 without
back-up lights**

Rear Body harness installation instructions:

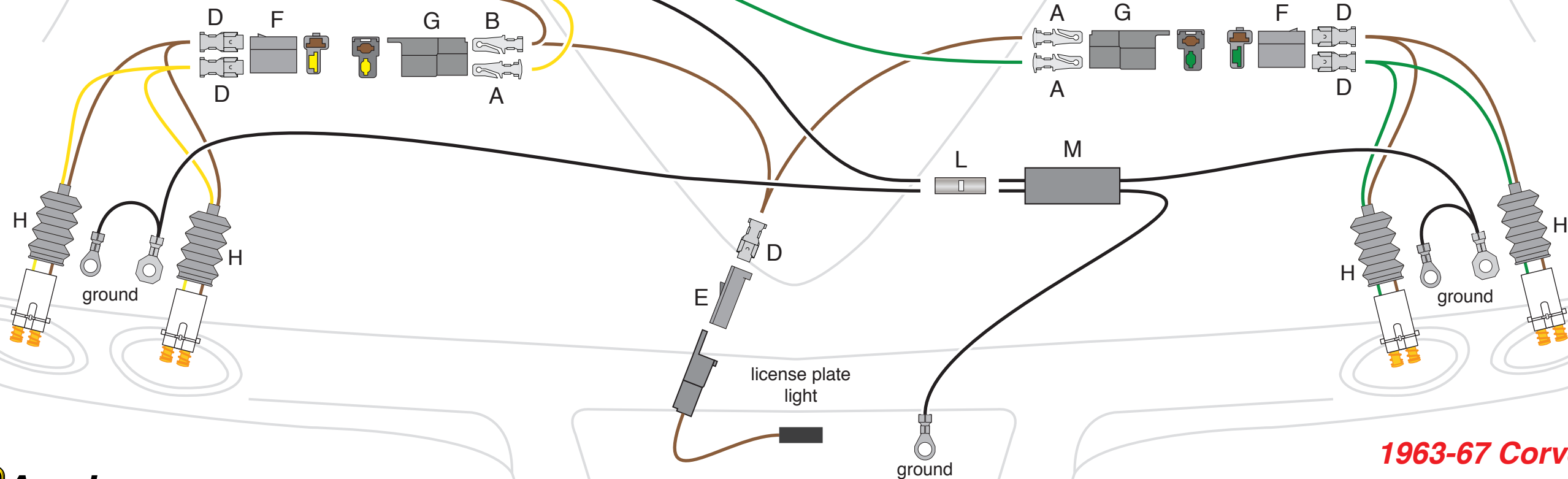
pass through
hole (grommet
not supplied)

Rear Body
(at Dash harness,
near rear kick panel)

to dome
light



3rd brake
light



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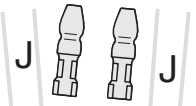
1963-66 with
back-up lights

Rear Body harness installation instructions:

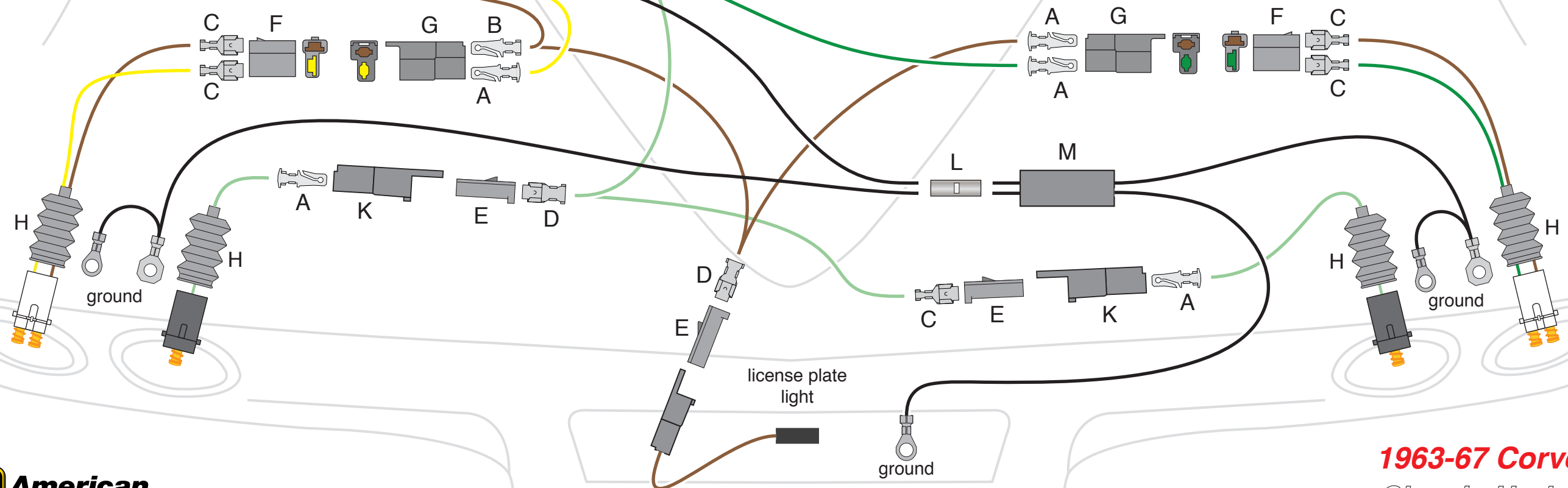
pass through
hole (grommet
not supplied)

Rear Body
(at Dash harness,
near rear kick panel)

to dome
light



3rd brake
light

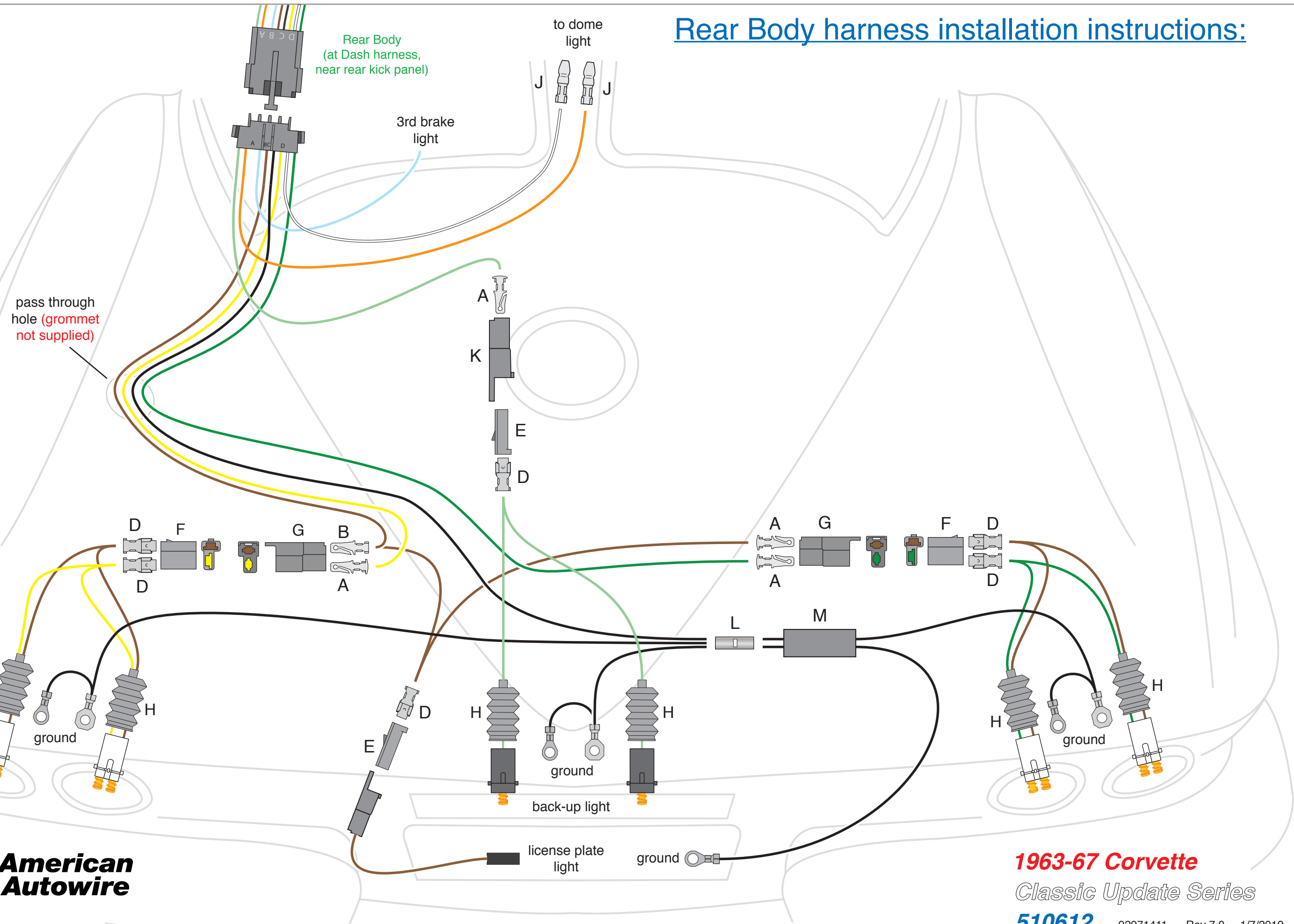


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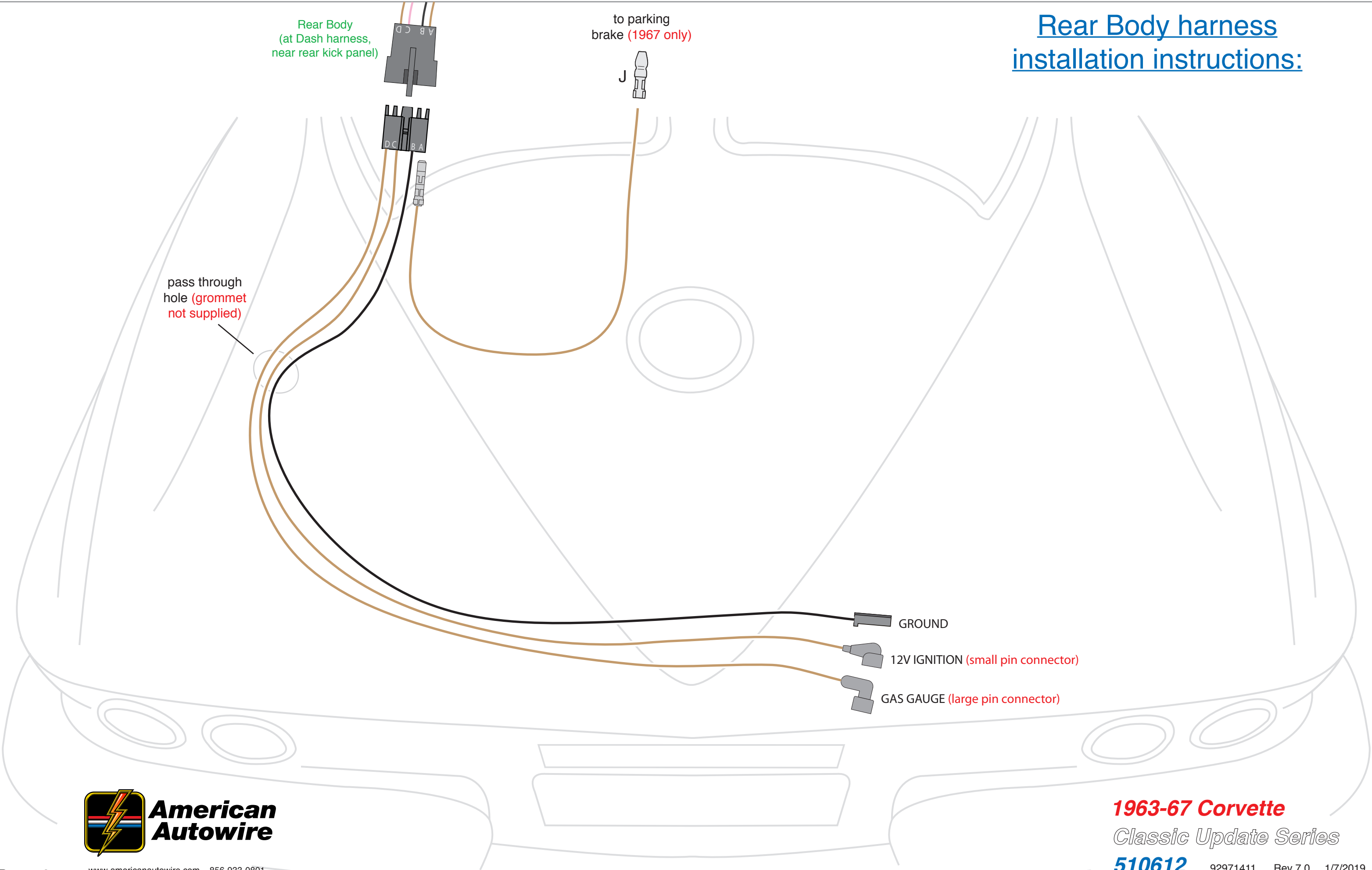


1967

Rear Body harness installation instructions:

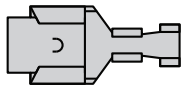


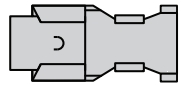
Rear Body harness
installation instructions:



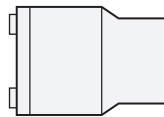
Front Light harness installation instructions:

Shown below, are the supplied misc. terminals and plastic connector bodies, that will be used to complete your Front Light harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Front Light instruction set.

A  (56 series single female terminal, 10 pcs.)

B  (56 series double female terminal, 2 pcs.)

C  (56 series 3-way female conn, 2 pcs.)

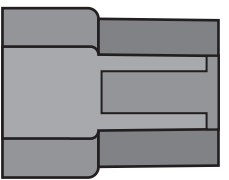
D  (terminal cover, 4 pcs.)

E  (female terminal, right angle, 5 pcs.)

F  (56 series 2-way female conn, 2 pcs.)

G  (56 series 3-way female conn, 2 pcs.)

H  (56 series single male terminal, 10 pcs.)

J  (56 series 3-way male conn, 2 pcs.)

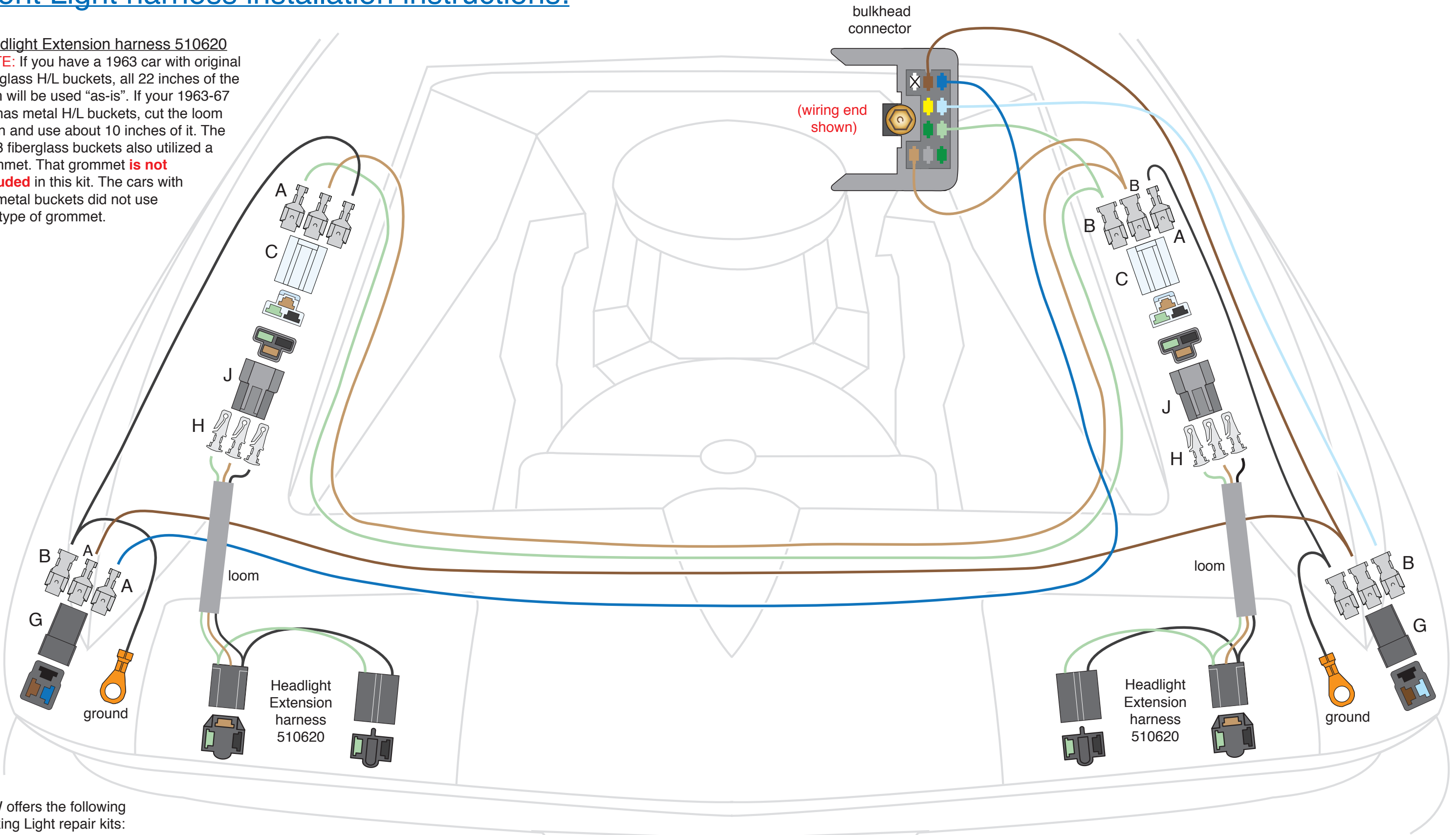
K  (56 series single female connector, 2 pcs.)



Front Light harness installation instructions:

Headlight Extension harness 510620

NOTE: If you have a 1963 car with original fiberglass H/L buckets, all 22 inches of the loom will be used "as-is". If your 1963-67 car has metal H/L buckets, cut the loom down and use about 10 inches of it. The 1963 fiberglass buckets also utilized a grommet. That grommet **is not included** in this kit. The cars with the metal buckets did not use any type of grommet.



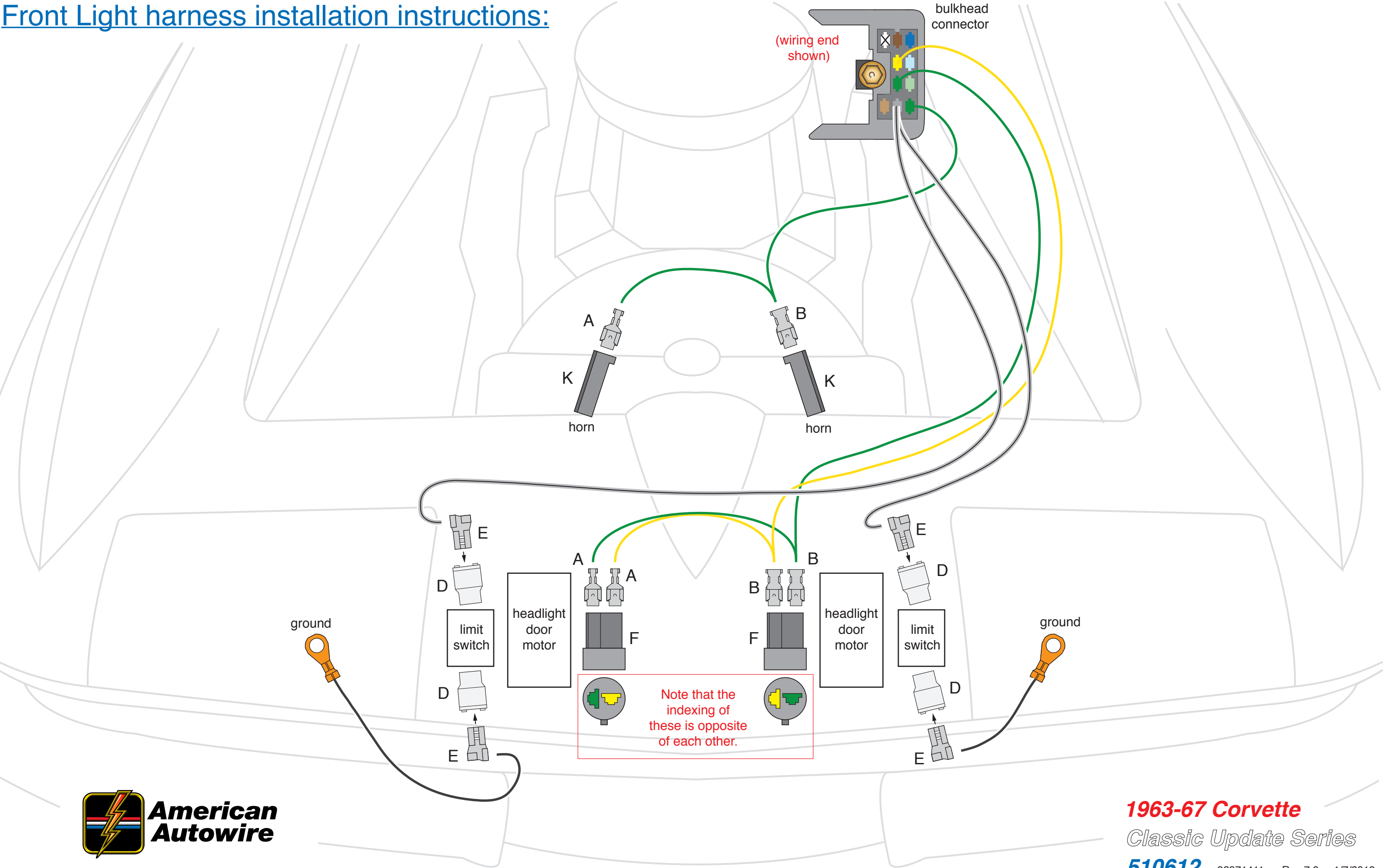
AAW offers the following
Parking Light repair kits:
40059 (1963-66)
40060 (1967)



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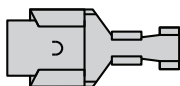
Front Light harness installation instructions:



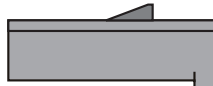
Engine harness installation instructions:

Shown below, are the supplied misc. terminals, sleeves, plastic connector bodies and wires, that will be used to complete your Engine harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Engine instruction set.


- A



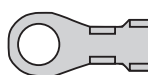
(56 series single female terminal, 8 pcs.)
- B




(56 series single female connector, 2 pcs.)
- C




(56 series single female connector, 2 pcs.)
- E



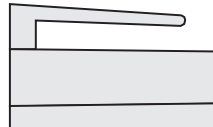
(small ring terminal for larger gauge wire, 1 pc.)
- F



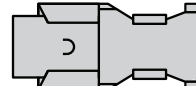
(large rubber sleeve, 2 pcs.)
- H



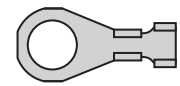
(56 series single female connector, 2 pcs.)
- J




(56 series single female connector, 2 pcs.)
- K



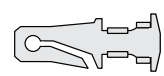
(56 series double female terminal, 4 pcs.)
- L




(small ring terminal for smaller gauge wire, 4 pcs.)
- M




(small rubber sleeve, 3 pcs.)
- N




(56 series single male terminal, 3 pcs.)
- P




(56 series 1-way male conn, 1 pc.)
- R




(56 series single female connector, 2 pcs.)
- T




STARTER SOLENOID - R
- U




ALTERNATOR IGN
- V



ELECTRIC FAN
- W

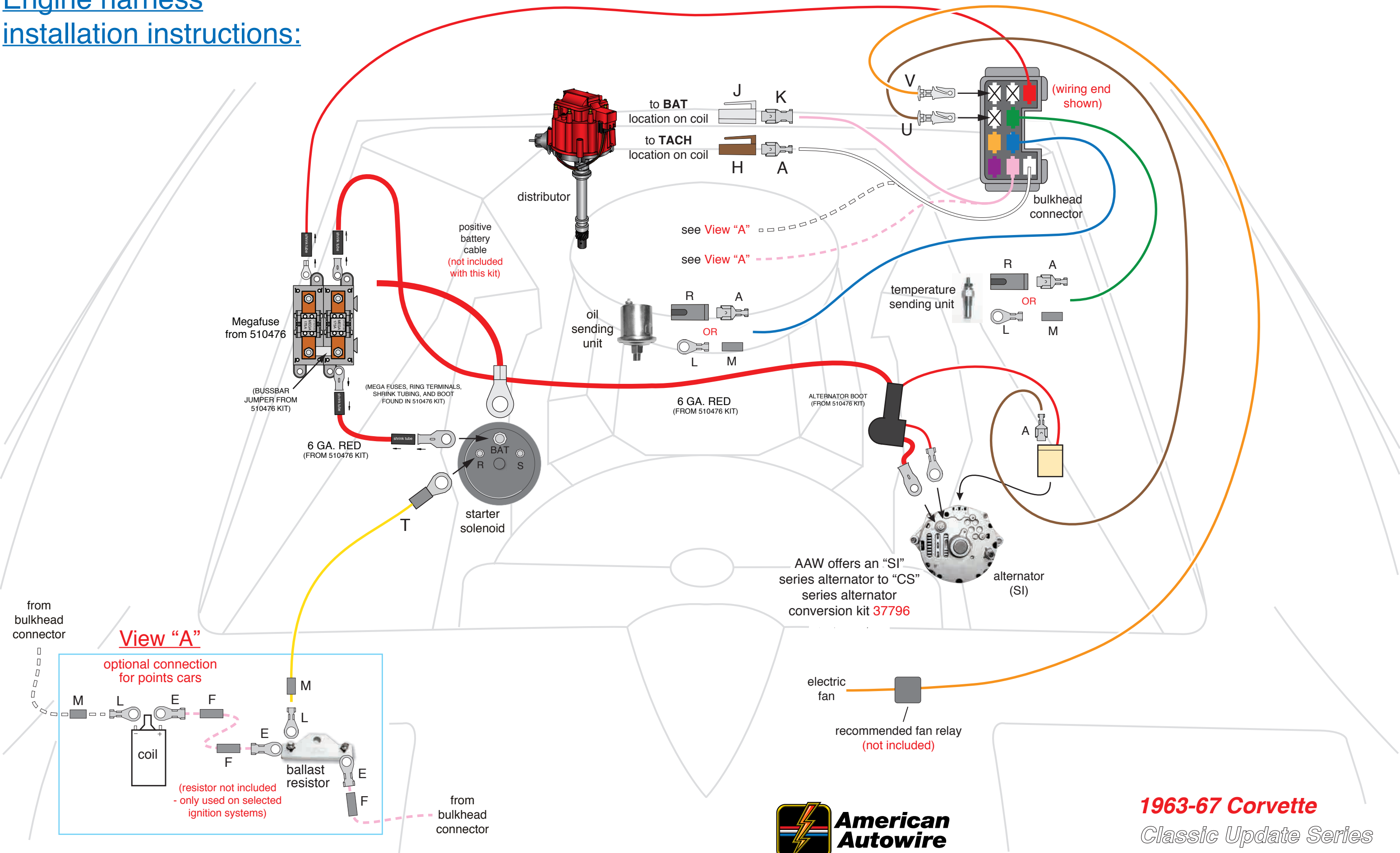


STARTER SOLENOID - S
- Y

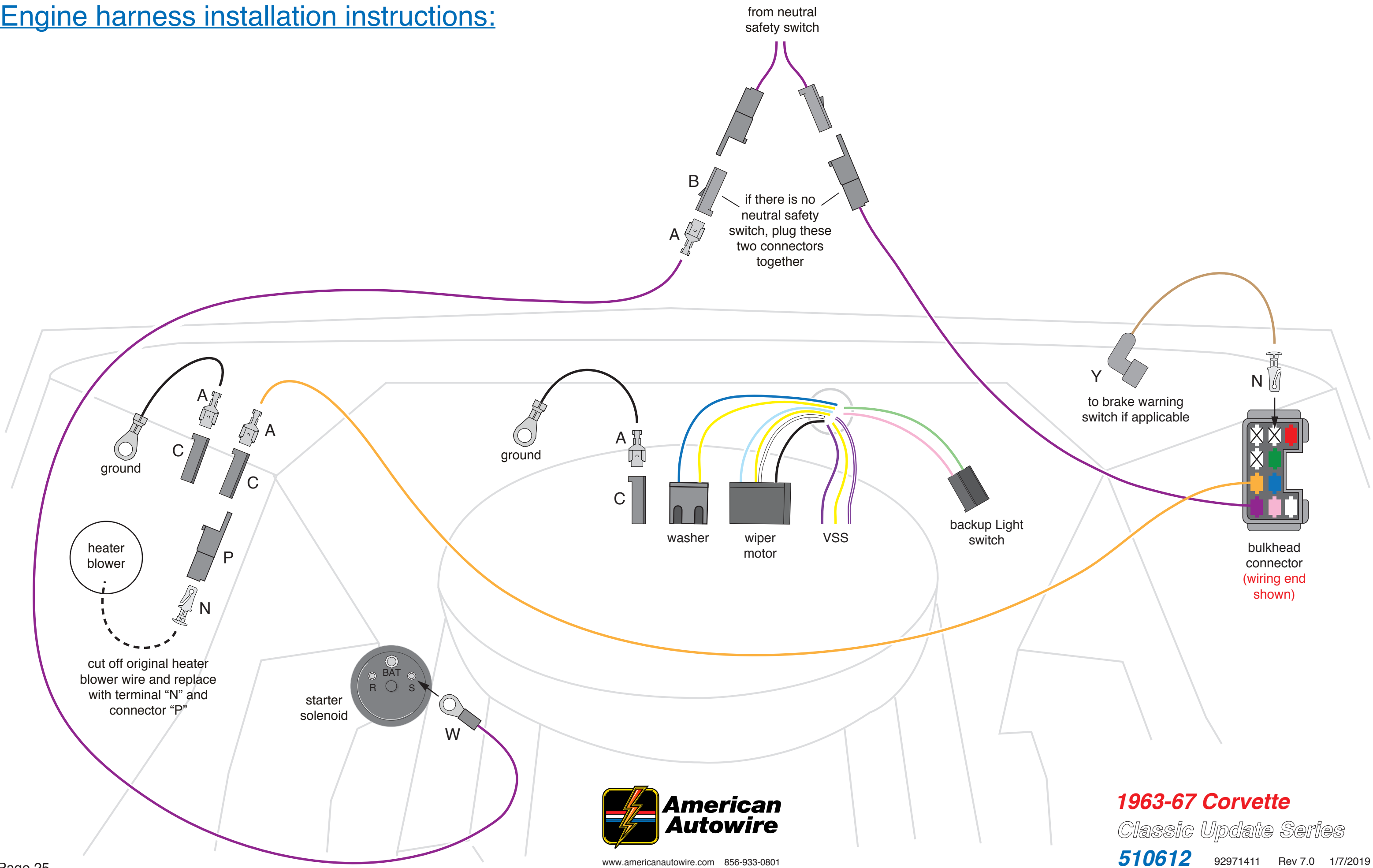


Brake Switch

Engine harness
installation instructions:



Engine harness installation instructions:



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 1-856-933-0801.

