

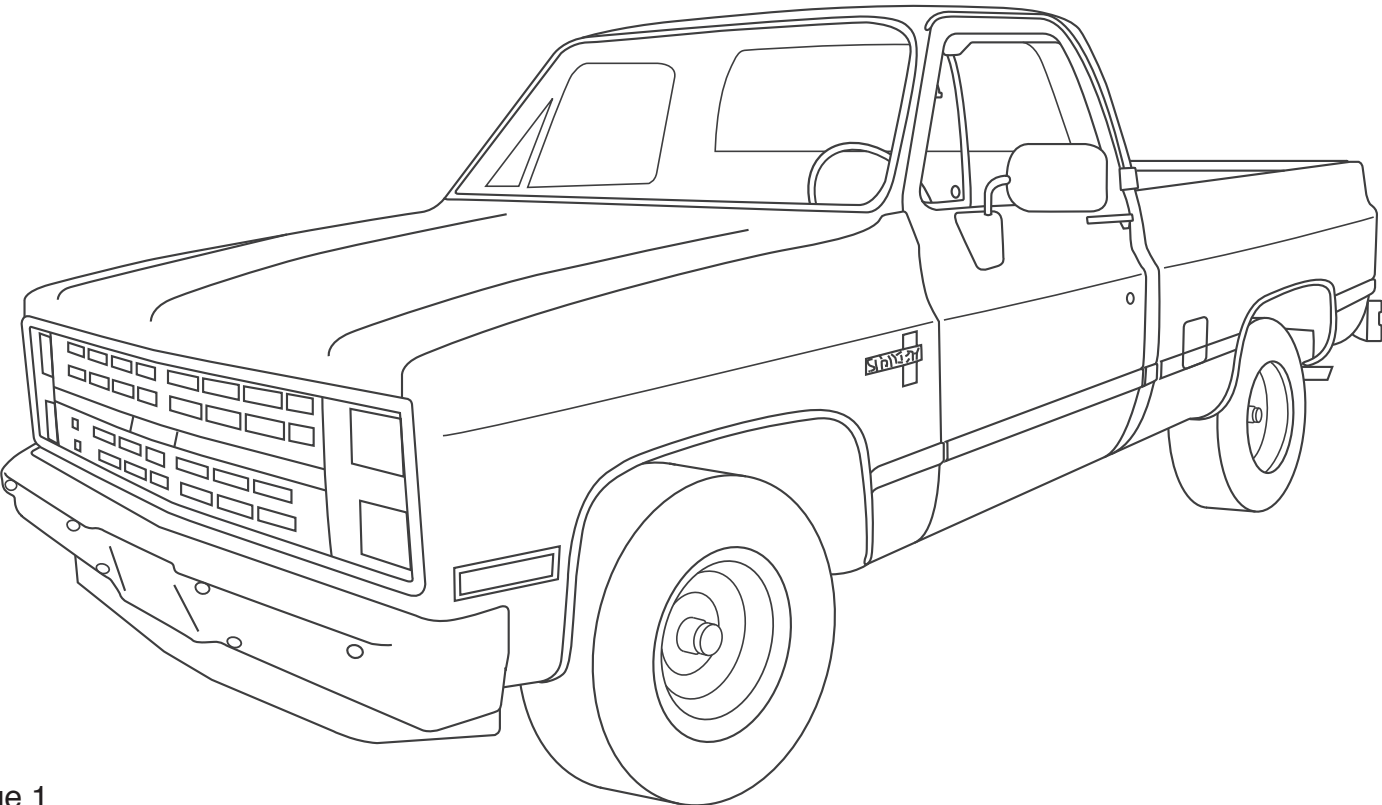


**WARNING:**  
Validate the kit contents with the component list included on this page before proceeding. This kit is intended to be used in a **modified** vehicle. Please read this page thoroughly and be sure that you understand everything prior to opening any enclosed packages, or before attempting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

This American Autowire wiring system is intended for highly **modified** applications only.

This kit **DOES NOT**:

- Include the wiring for a factory original A/C system.
- Support factory-original engine management equipment.
- Include support for factory emissions equipment or electronics. These harnesses are not included or addressed by this kit.
- Include an ignition switch as it is wired for a factory column mounted switch.
- Include a floor dimmer switch. The floor dimmer was used in model year 1983 only.
- Include adapters for later model ('86+) alternators. An SI-series alternator connector is included, and adapters for other alternators can be purchased separately.



510706 - Classic Update Series Kit  
1983-87 Chevrolet Truck

This kit contains the following components:

Bag	Part Number	Description	Quantity
	500332	Headlight Switch	1
	500919	Practice Terminal Crimping Set	1
	510716	Fuse, Relay, and Flasher kit	1
	510354	Courtesy Light Connection kit	1
G	510707	Dash Harness kit	1
H	510708	Instrument Cluster wiring kit	1
J	510709	Engine Wiring kit	1
L	510710	Front Light Wiring kit	1
M	510711	Rear Body Wiring kit	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.



www.americanautowire.com 856-933-0801

**1983-87 Chevrolet Truck**  
*Classic Update Series*  
**510706**

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92971982 Rev 0.0 1/23/2018

# 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. Use a crimping tool that 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.



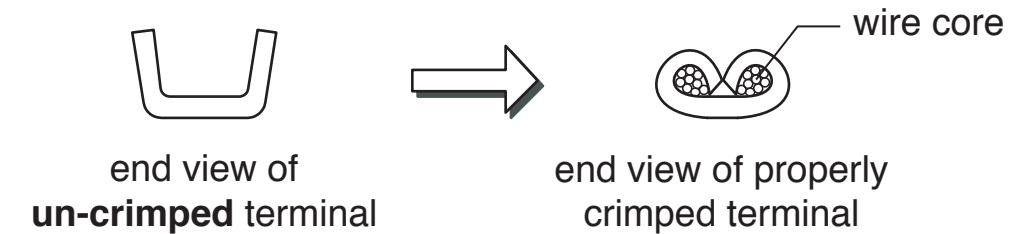
AAW offers a great terminal crimping video entitled Proper Crimping Video . It can be viewed by visiting YouTube.

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

Youtube Channel:  
[www.youtube.com/user/WiringHarness](http://www.youtube.com/user/WiringHarness)



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

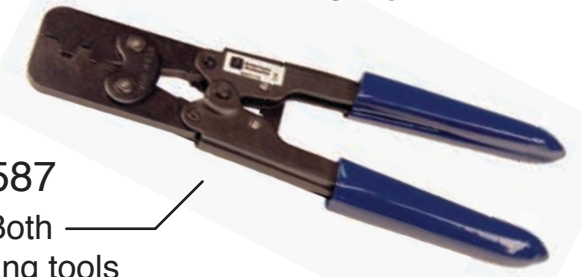


We carry the following crimping hand tools, to help with your terminal crimping. These hand tools are available, for purchase or rental.

p/n 510585  
OEM small terminal crimping  
tool (18-14 gauge)



p/n 510586  
OEM large terminal crimping  
tool (12-8 gauge)



p/n 510587  
Includes Both  
terminal crimping tools

We carry many accessories for your 1983-87 Chevrolet Truck.



Professional Grade  
Terminal and  
Connector Kit  
p/n 510643



Professional Grade  
Weather-pack Terminal  
and Connector Kit  
p/n 510451

### STEP 1: DISCONNECT YOUR BATTERY:

Disconnect the battery before installing the wiring kit to prevent any accidental shorting caused by 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 into individual sections identified by a letter printed on the enclosed sheets visible through each bag. The order of installation and the pages with their instructions are shown below:

Table of Contents:

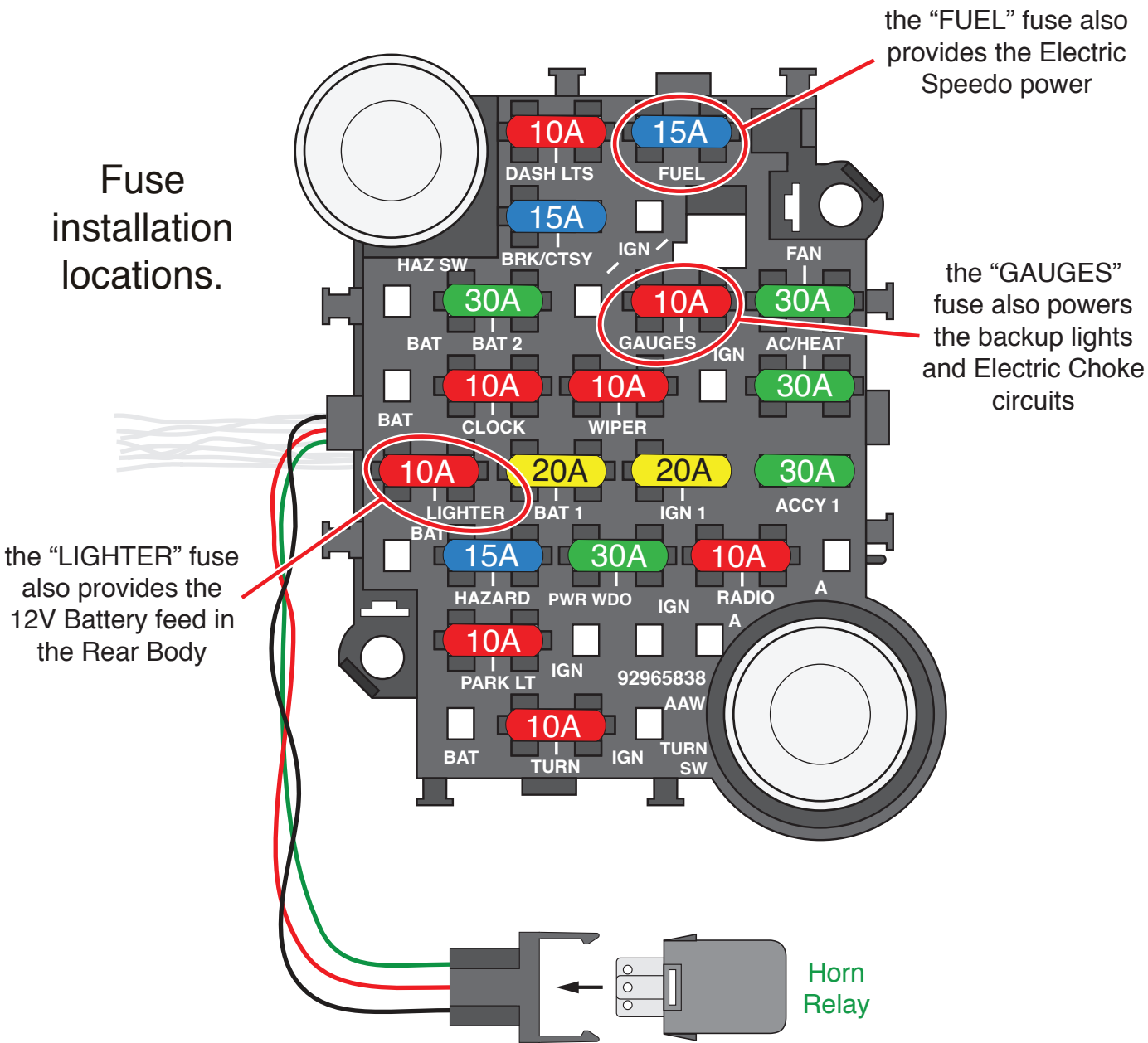
Bags:   Pages:   Sections:

G	4 - 7	<b>Dash Harness - This is the main harness in the kit and contains:</b> <ul style="list-style-type: none"><li>- Wiper switch connections.</li><li>- Neutral safety switch connections.</li><li>- Turn Signal switch connections.</li><li>- Courtesy light connections.</li><li>- Dimmer switch connection.</li><li>- Accessory connections.</li></ul>
H	8 - 10	<b>Gauge Cluster Harness - This Harness contains:</b> <ul style="list-style-type: none"><li>- Gauge connections for aftermarket and factory gauges.</li></ul>
M	11 - 13	<b>Rear Body Harness - This Harness contains:</b> <ul style="list-style-type: none"><li>- Tail light, turn signal, reverse light, and running light connections.</li><li>- Third brake light and license plate lights connections.</li><li>- Fuel Gauge Sender connection.</li></ul>
L	14 - 16	<b>Front Light Harness - This Harness contains:</b> <ul style="list-style-type: none"><li>- Headlight, turn signal, running light connections.</li><li>- Electric fan relay trigger.</li><li>- Brake fluid level wiring.</li><li>- Horn connections.</li><li>- Chassis ground.</li></ul>
J	17 - 19	<b>Engine Harness - This Harness contains:</b> <ul style="list-style-type: none"><li>- Temperature, oil pressure, tachometer wiring.</li><li>- Ignition system.</li><li>- Alternator connections.</li><li>- Windshield washer connection.</li><li>- Electric Choke connection.</li><li>- Vehicle Speed Sensor (VSS) connections.</li></ul>



**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, Hazard Flasher and Turn Flasher into the Fuse Block (see detailed picture below) and the Horn Relay into this harness (see detailed picture below).

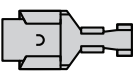




# Dash/Main harness installation instructions:


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



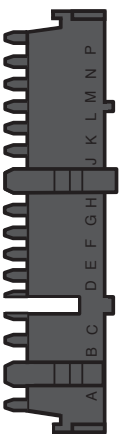
(56 series single female terminal, 10 pcs.)

B



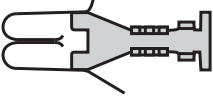
(male flat Pack-con terminal, 10 pcs.)

C



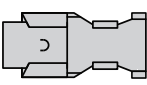
(Pack-con 14-way male conn, 1 pc.)

D



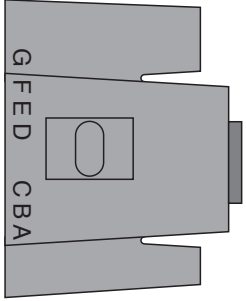
(female terminal, 7 pcs.)

E




(56 series double female terminal, 2 pcs.)

G



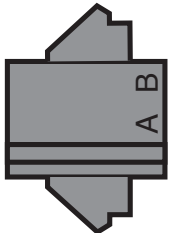
(Pack-con 7-way female conn, 1 pc.)

K




(screw, 3", fuse box, 2 pcs.)

L



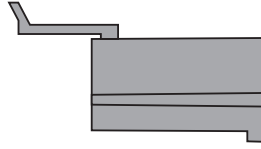
(Pack-con double female conn, 1 pc.)

N



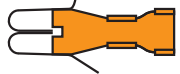
(56 series double female conn, 1 pc.)

P



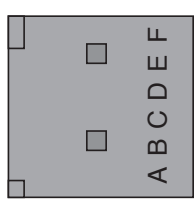
(56 series double female conn, 1 pc.)

R



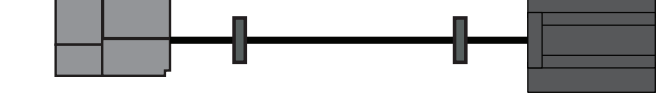
( Pack-con female terminal, 8 pcs.)

T



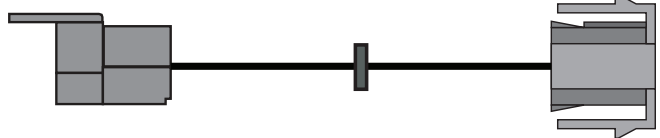
(Printed circuit 6-way female conn, 1 pc.)

U




(1983 dimmer extension; floor mounted - reference, 1 pc.)

V



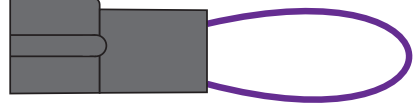
(1984-87 dimmer extension; column mounted - reference, 1 pc.)

W



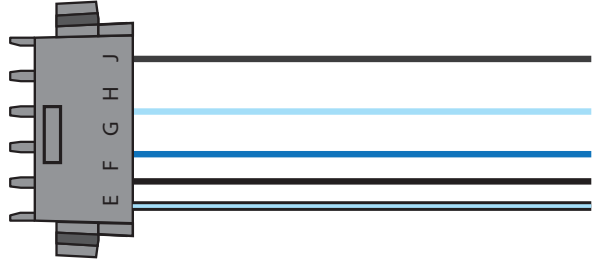
(neutral safety switch auto trans extension - reference, 1 pc.)

Y



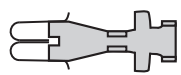
(neutral safety switch jumper - reference, 1 pc.)

AA




(wiper switch extension - reference, 1 pc.)

BB



( Pack-con female terminal, 3 pcs.)

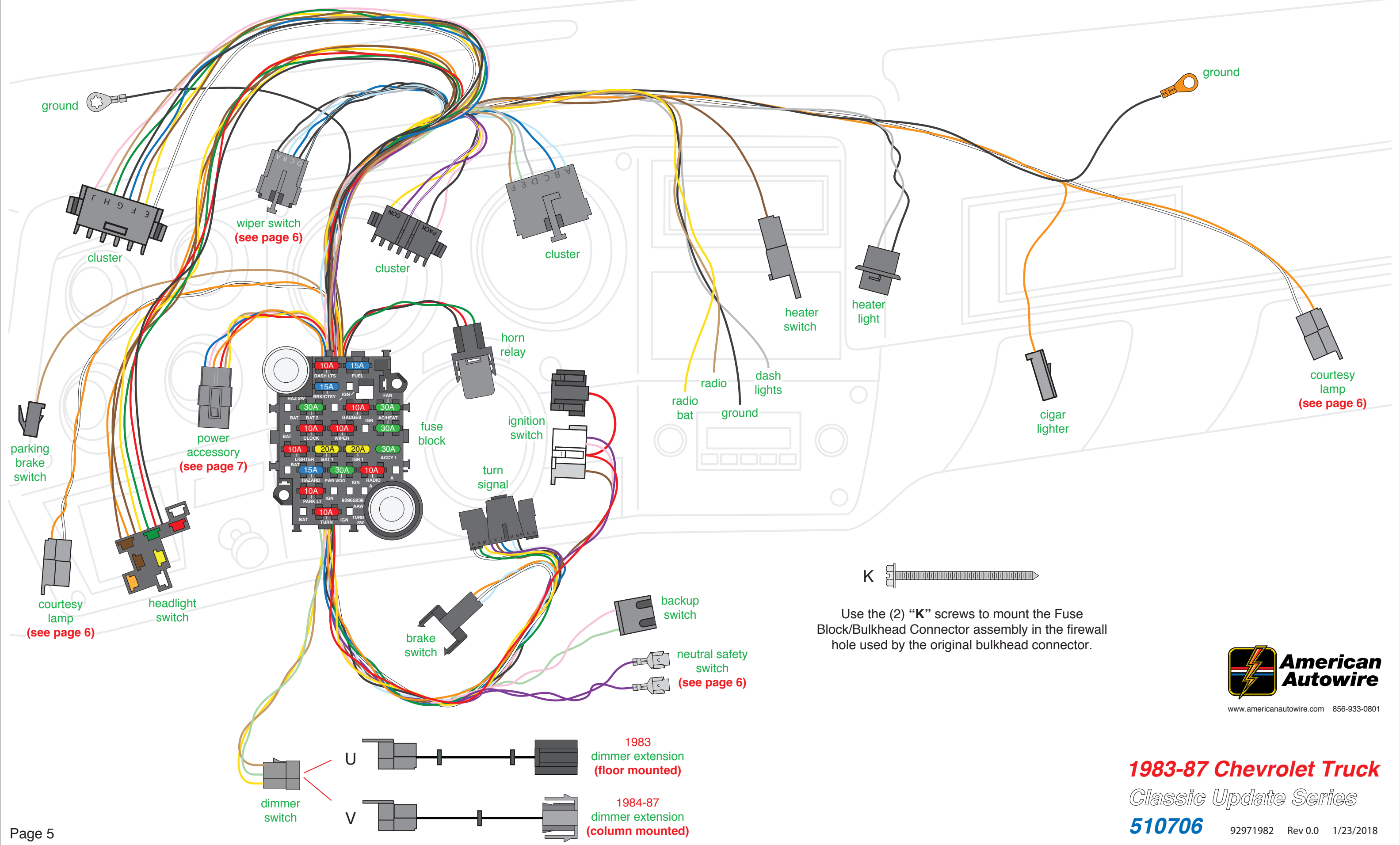
CC



(gray dash lights wire, 1 pc.)



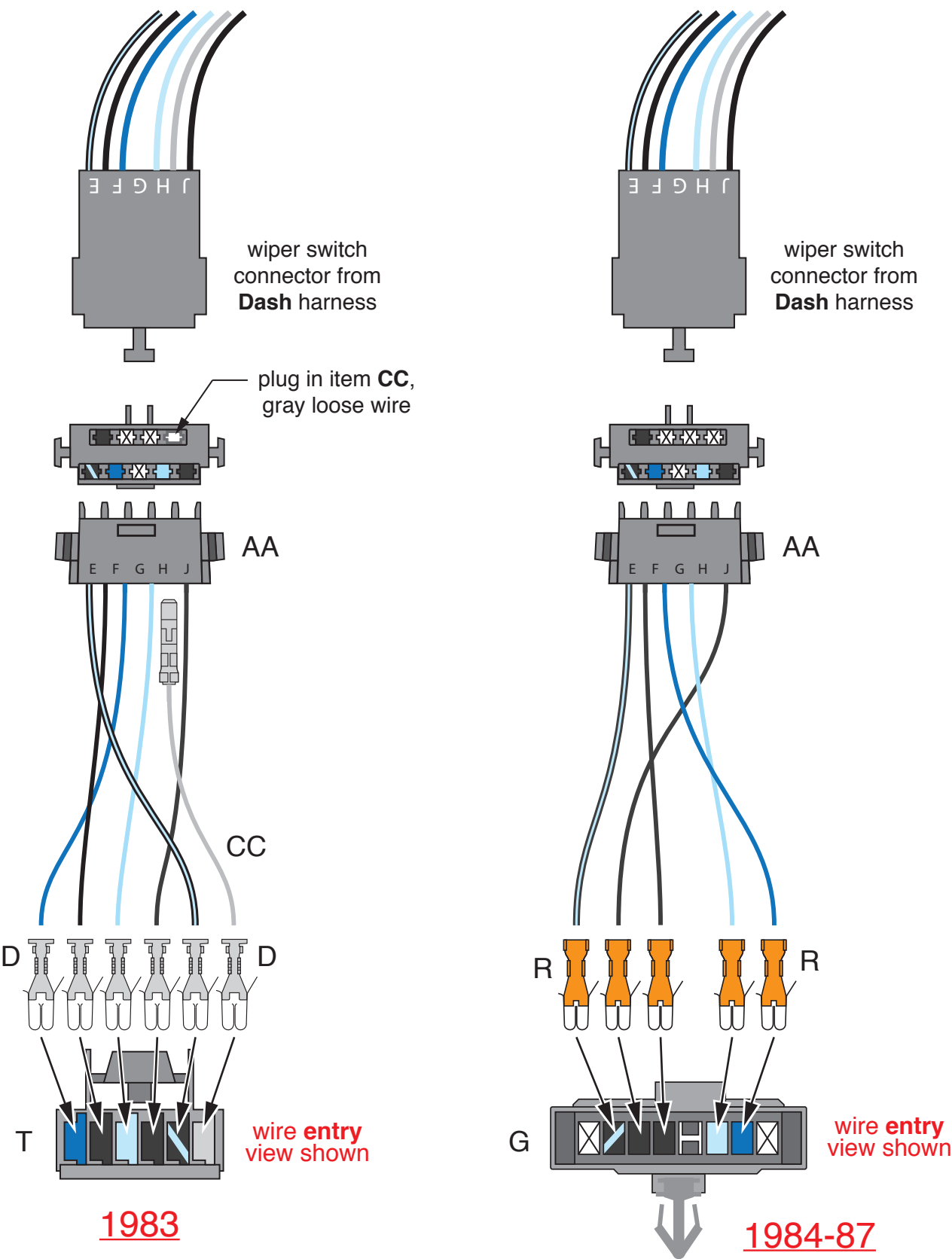
Dash/Main harness installation instructions:



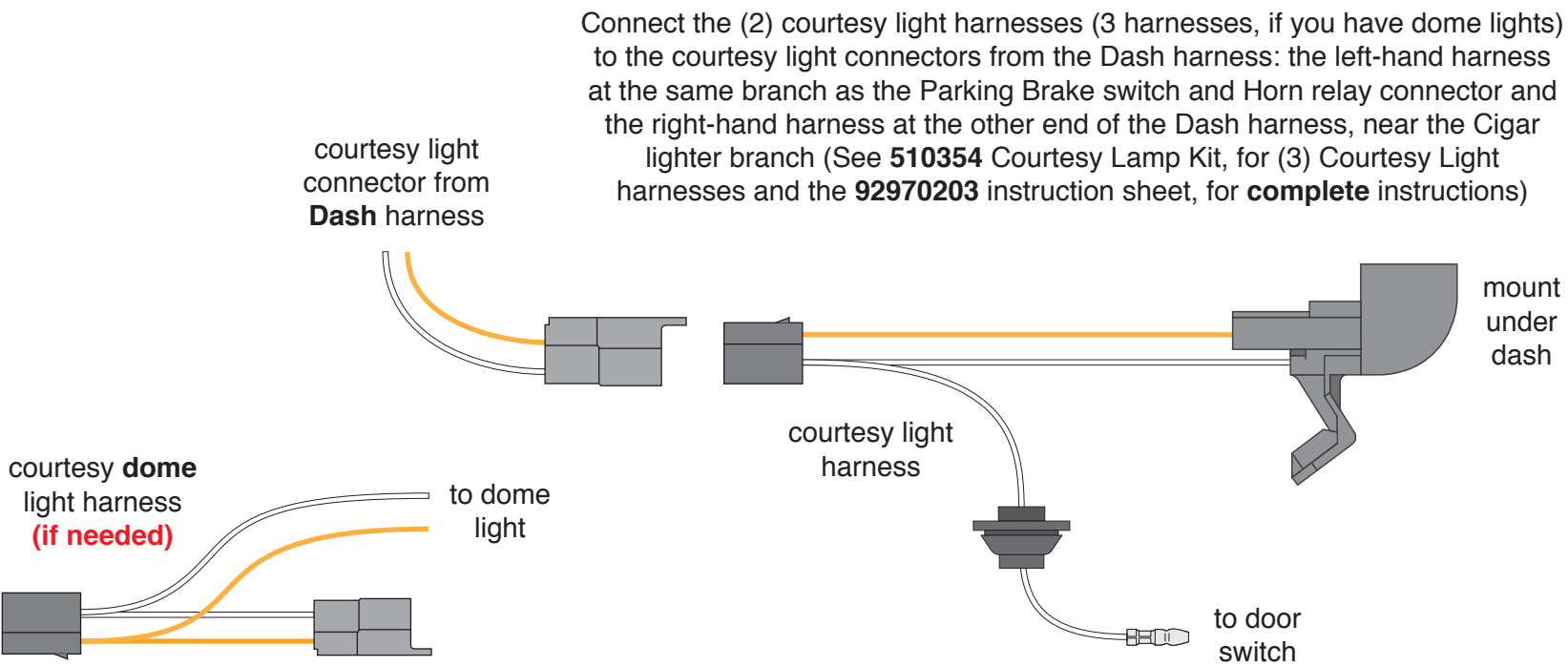
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Dash/Main harness installation instructions:

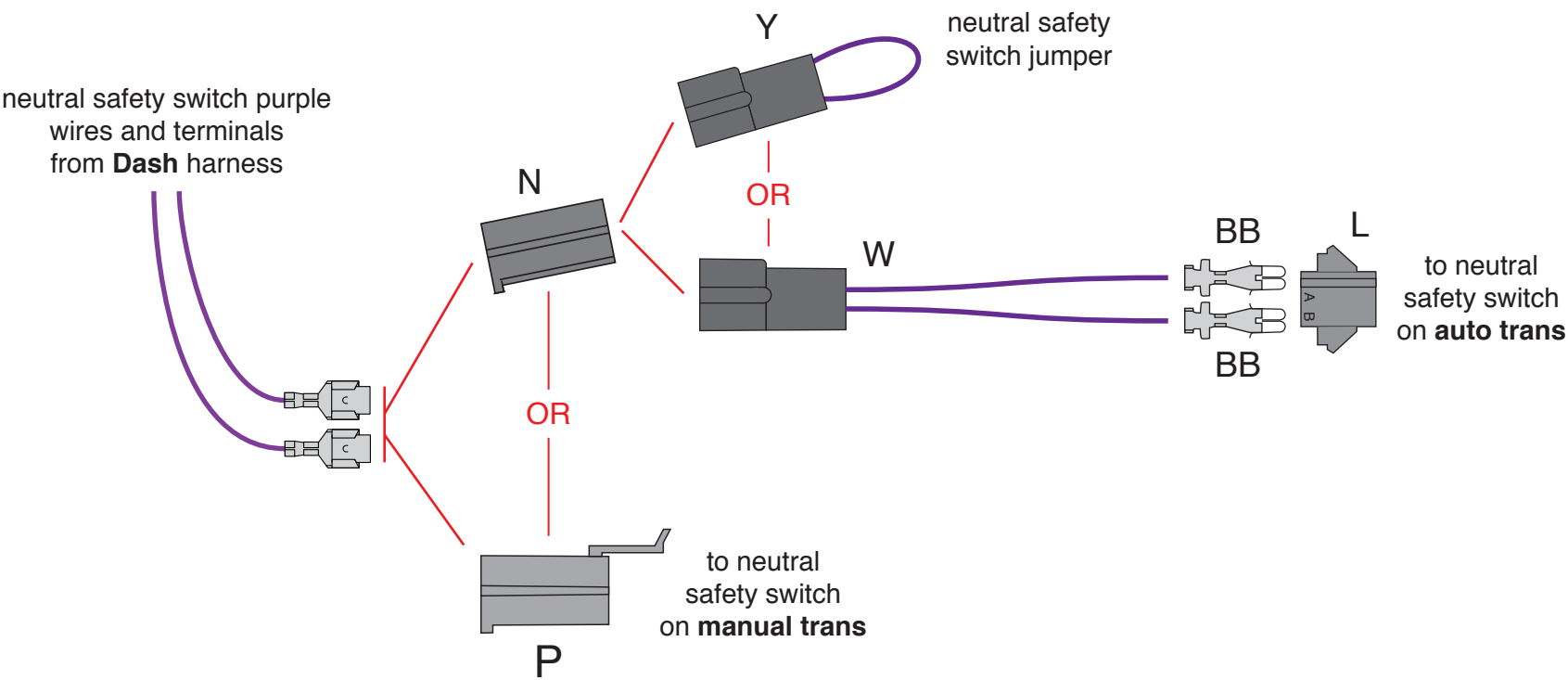
Wiper switch wiring:



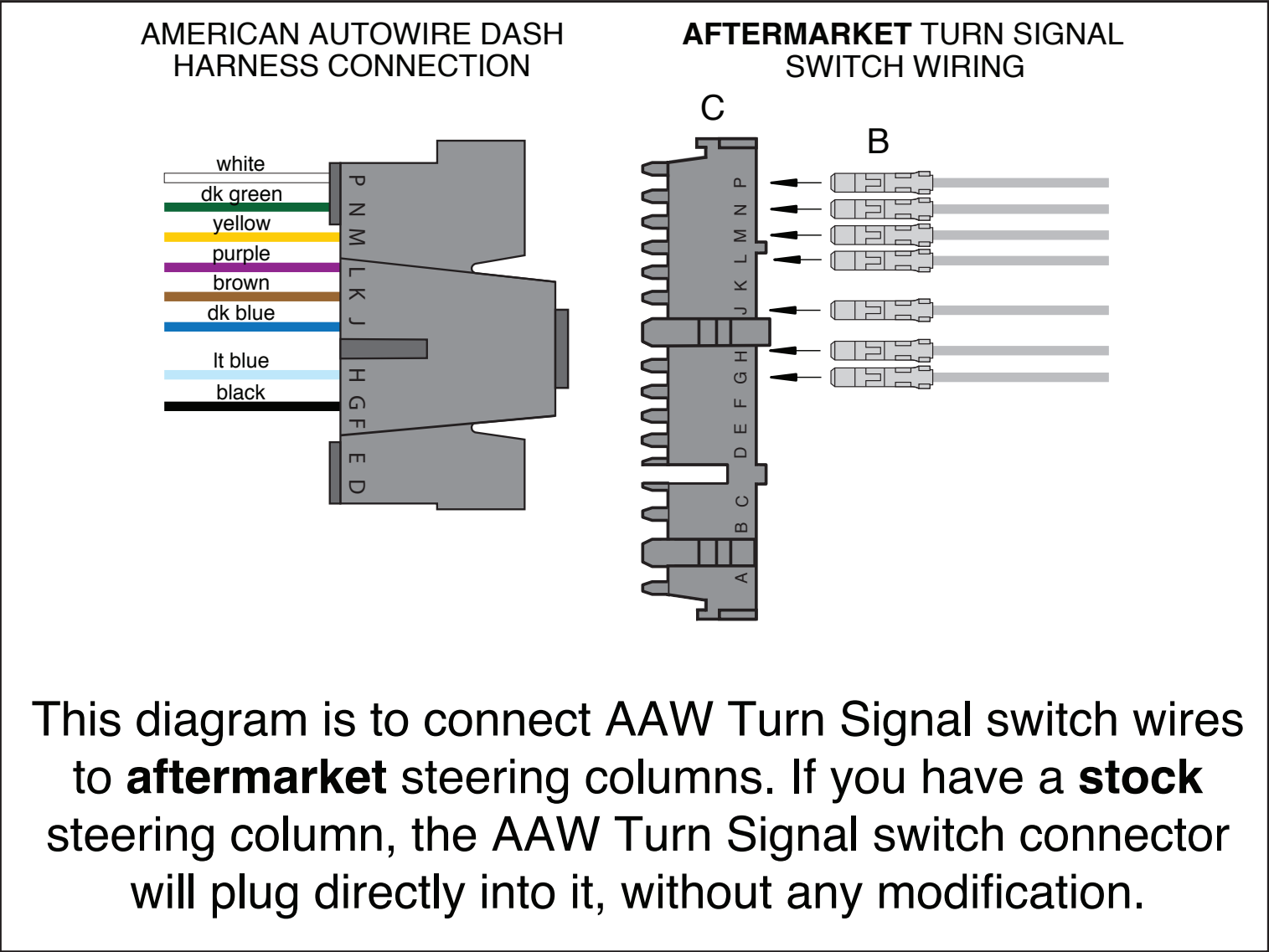
Courtesy light wiring (all years):



Neutral Safety switch wiring (all years):



Dash/Main harness installation instructions:



This diagram is to connect AAW Turn Signal switch wires to **aftermarket** steering columns. If you have a **stock** steering column, the AAW Turn Signal switch connector will plug directly into it, without any modification.

“Table B”

AAW Turn Signal switch wires to **aftermarket**  
**1983-87** Chevrolet Truck 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
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

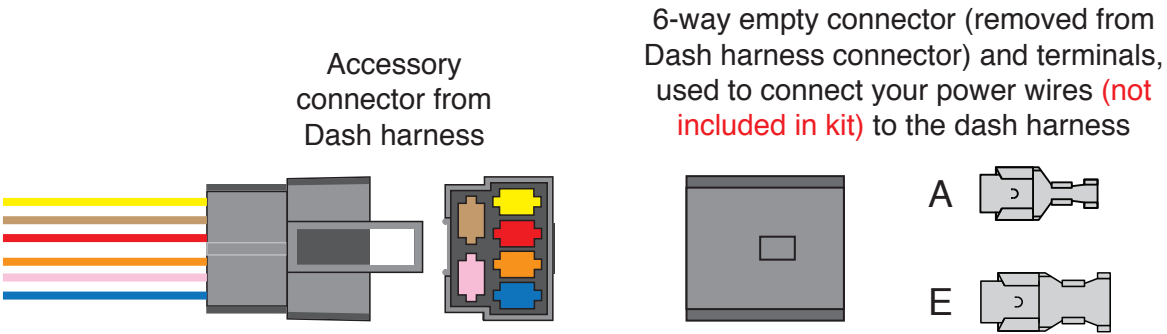
Remove the **aftermarket** Turn Signal switch Connector and replace it with the AAW 14-way connector “C”. Crimp on terminal “B” to each of the original Turn Signal switch wires and plug them into connector “C” (see Parts Kit **92971987**).

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

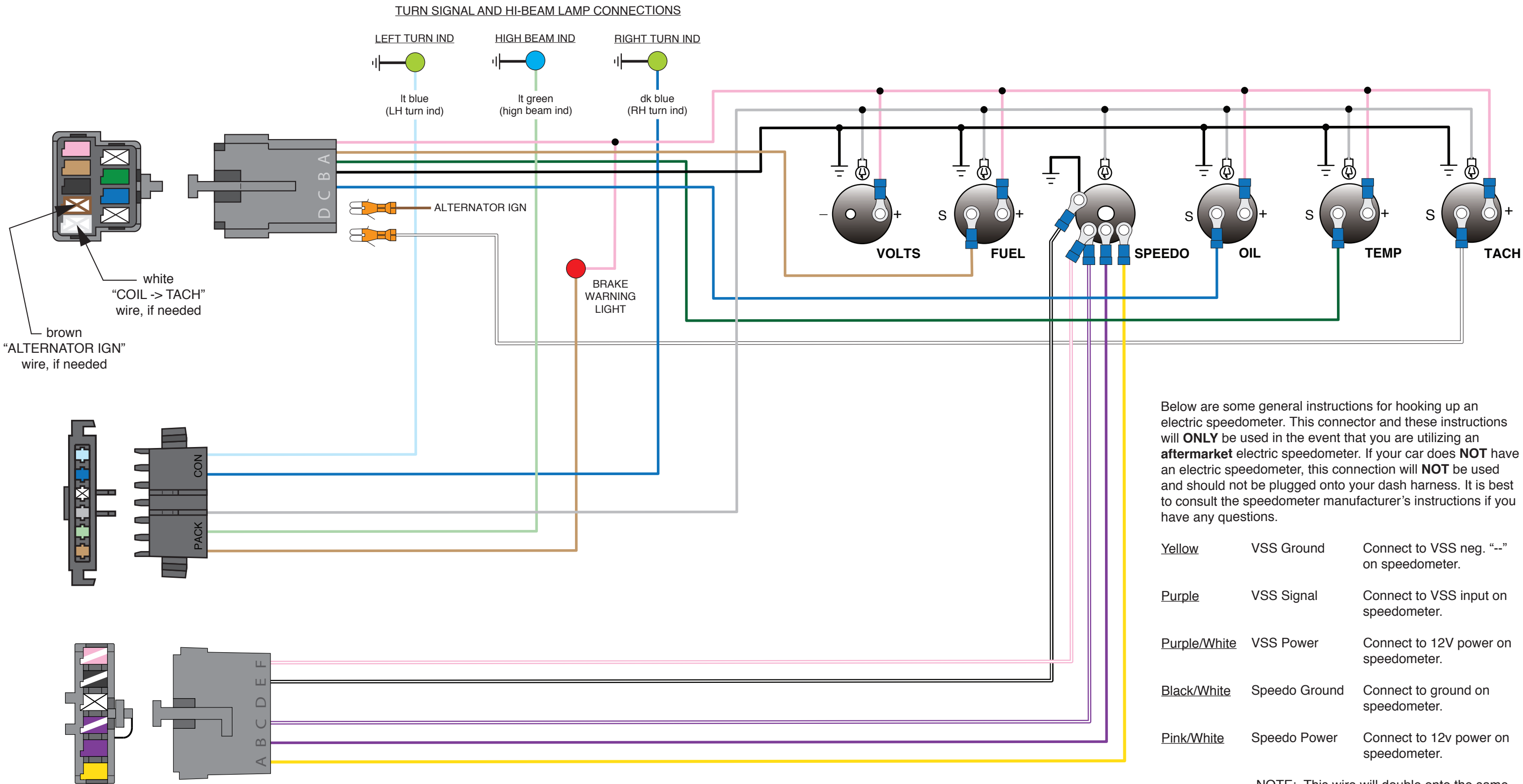
Use the provided 6-way empty connector, which is attached to the 6-way Accessory connector on the Dash Harness, and terminals “A” and “E” to add power wires (not included in kit) for the following optional systems:

Wire Color	Fuse Block Marking	Fuse rating	Description
Tan	ACCY 1	30A	Fused 12 volt ACCESSORY feed.
Dk Blue	FUEL	15A	Fused 12 volt IGNITION feed can be used for fuel pump.
Orange	BAT 1	20A	Fused 12 volt BATTERY feed.
Pink	IGN 1	20A	Fused 12 volt IGNITION feed.
Red	BAT 2	30A	Fused 12 volt BATTERY feed.
Yellow	PWR WDO	30A	Fused 12 volt ACCESSORY feed can be used for power windows.





Instrument 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	VSS Power	Connect to 12V power on speedometer.
Black/White	Speedo Ground	Connect to ground on speedometer.
Pink/White	Speedo Power	Connect to 12v power on speedometer.

**NOTE:** This wire will double onto the same stud as the purple/white VSS Power wire from above.



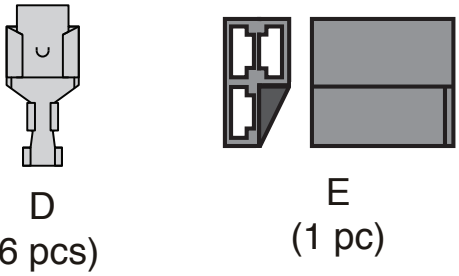
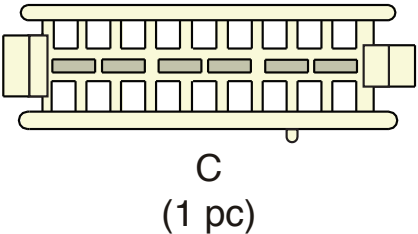
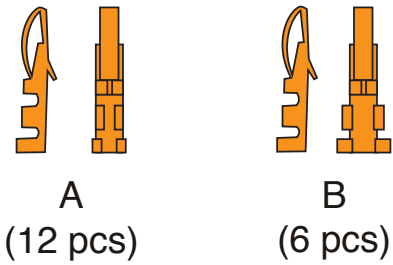
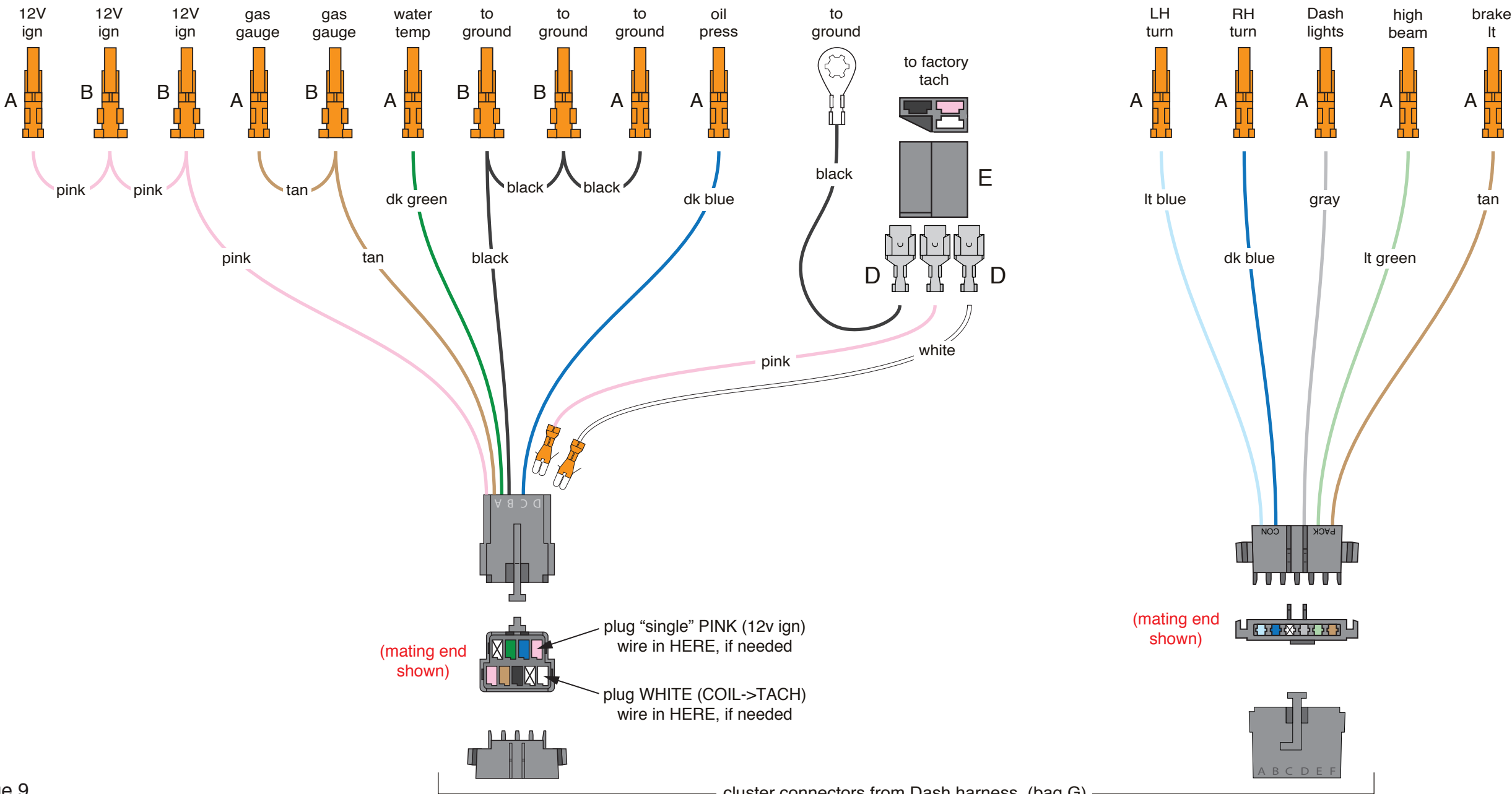
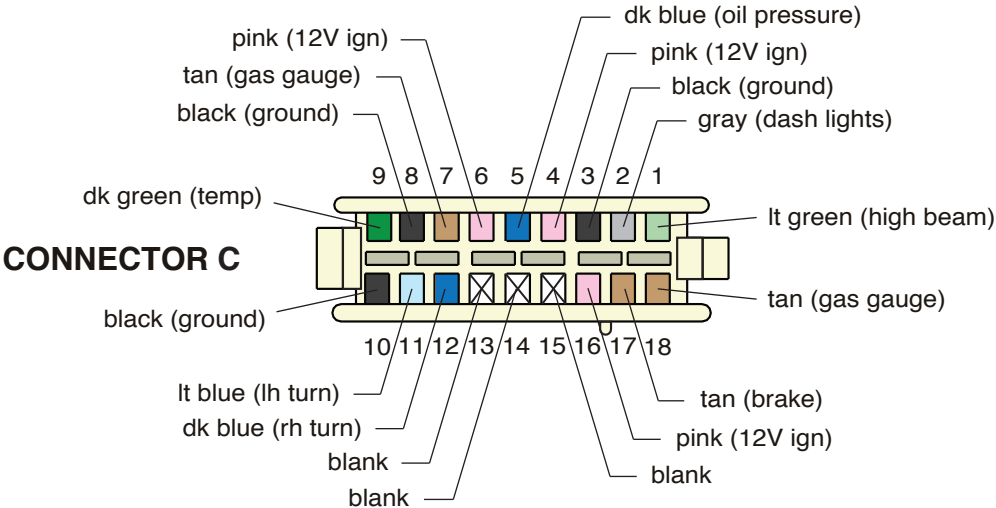
See pages 9-10.

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510706



Instrument Cluster harness installation instructions:

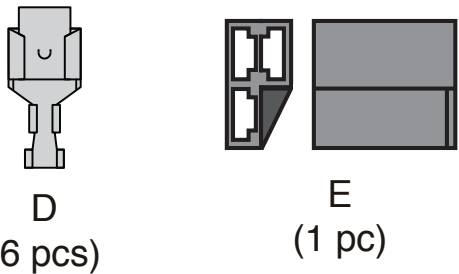
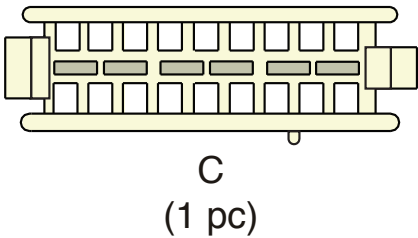
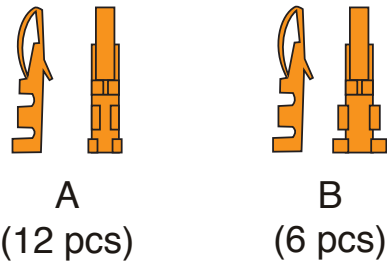
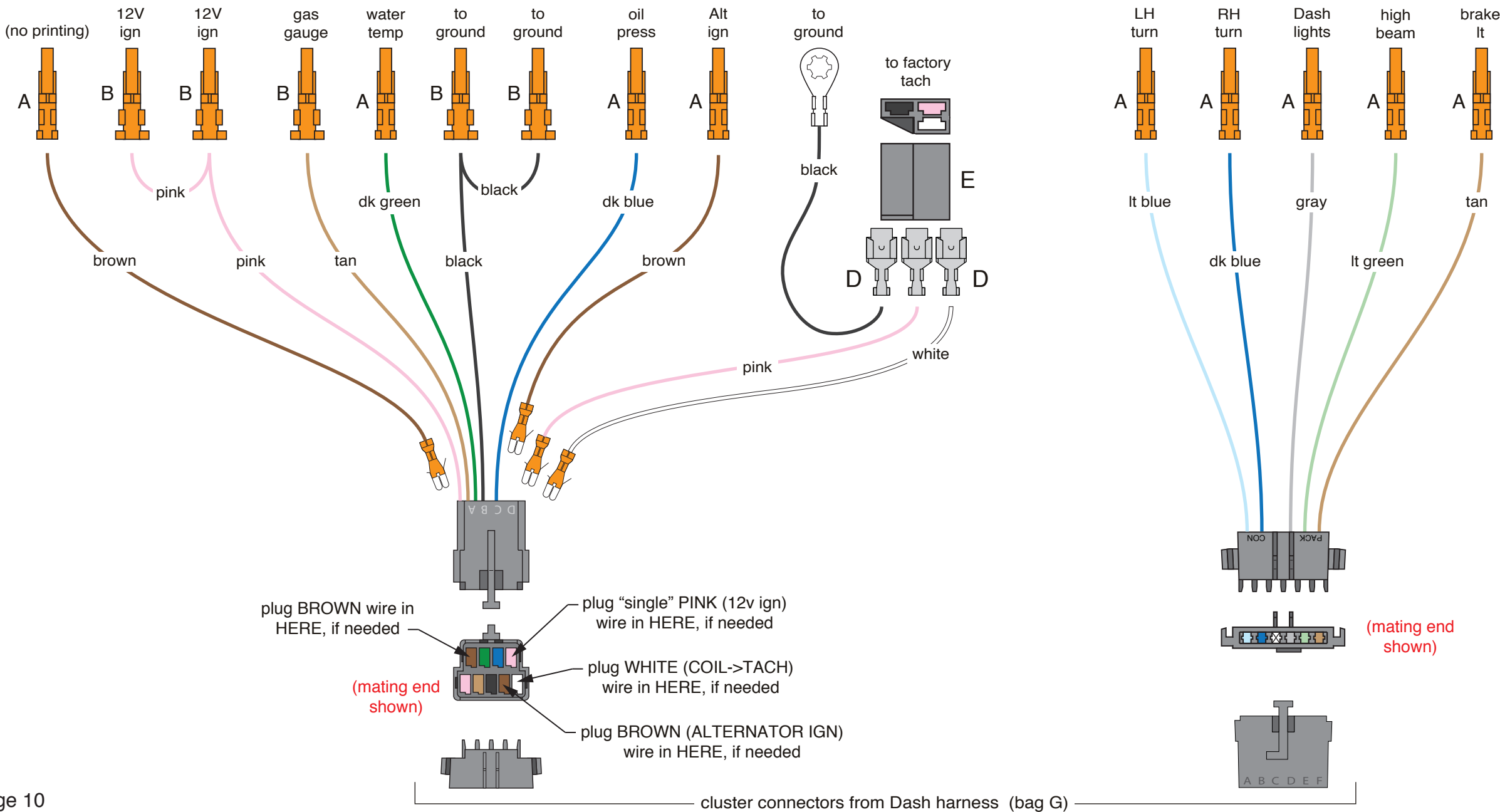
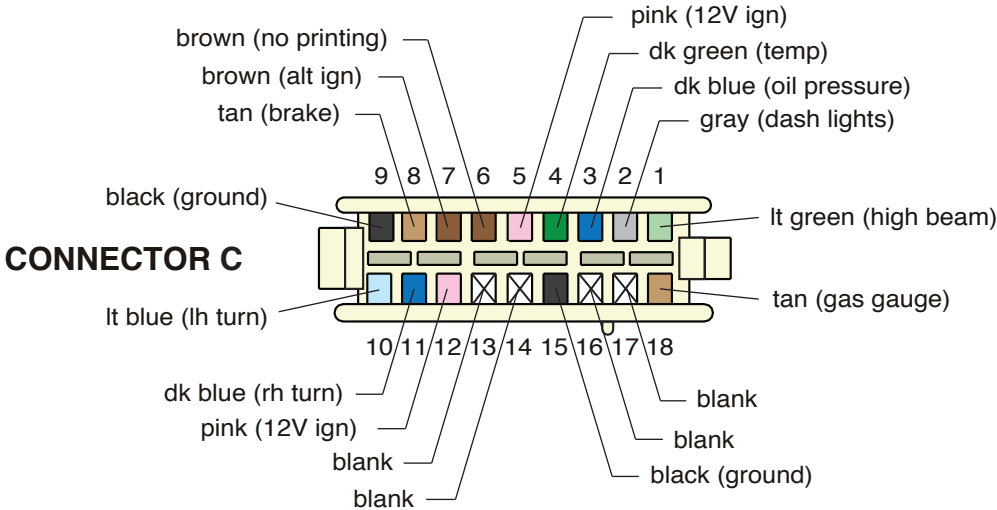
Cluster: with factory gauge



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Instrument Cluster harness installation instructions:


Cluster: with warning lights

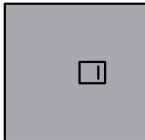


# Rear Body harness installation instructions:

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 female terminal, 6 pcs.)


B  (56 series double female terminal, 7 pcs.)

C  (56 series 4-way female conn, 2 pcs.)

D  (56 series single female conn, 3 pcs.)

E  (female pin sleeve, 1 pc.)


F  (single female terminal, 2 pcs.)

G  (rubber grommet, 1 pc.)

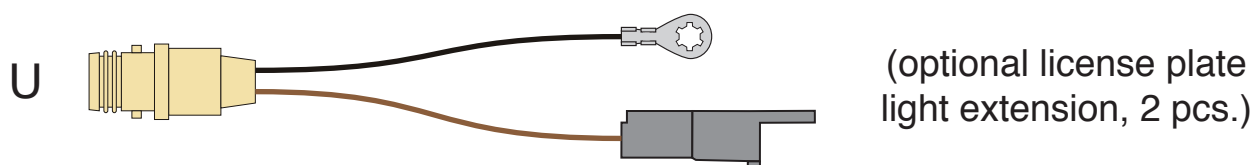
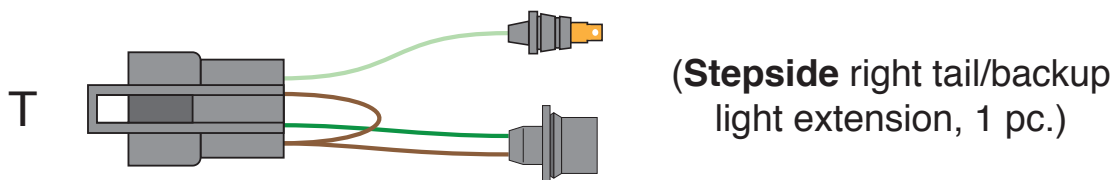
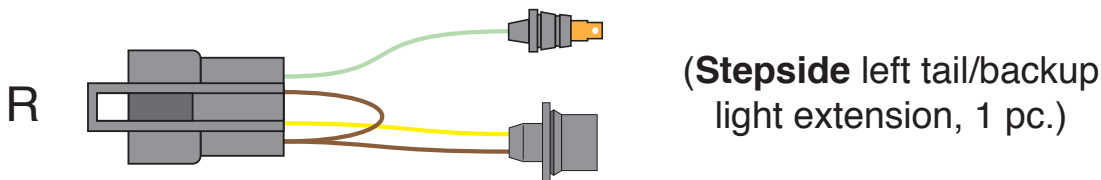
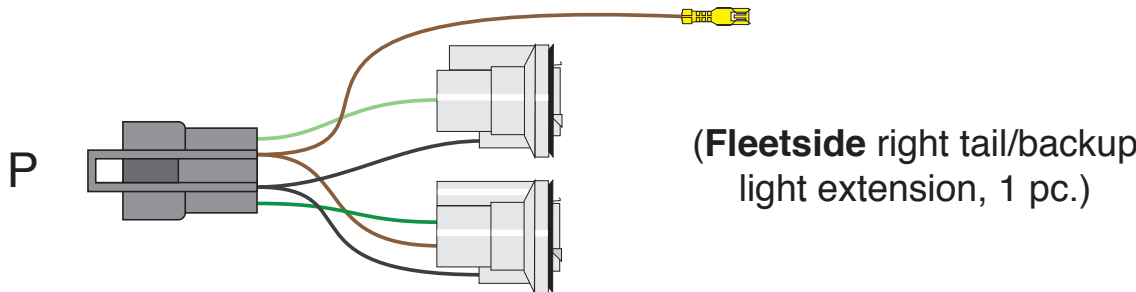
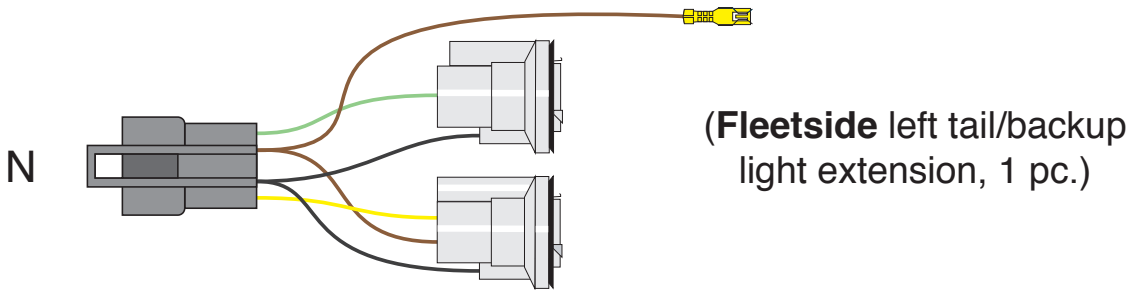
H  (12V Battery - Fused, 1 pc.)

J  (Third Brake Light, 1 pc.)

K  (side-marker extension, 2 pcs.)

L  (fuel gauge extension, 1 pc.)

M  (side-marker assembly, 2 pcs.)



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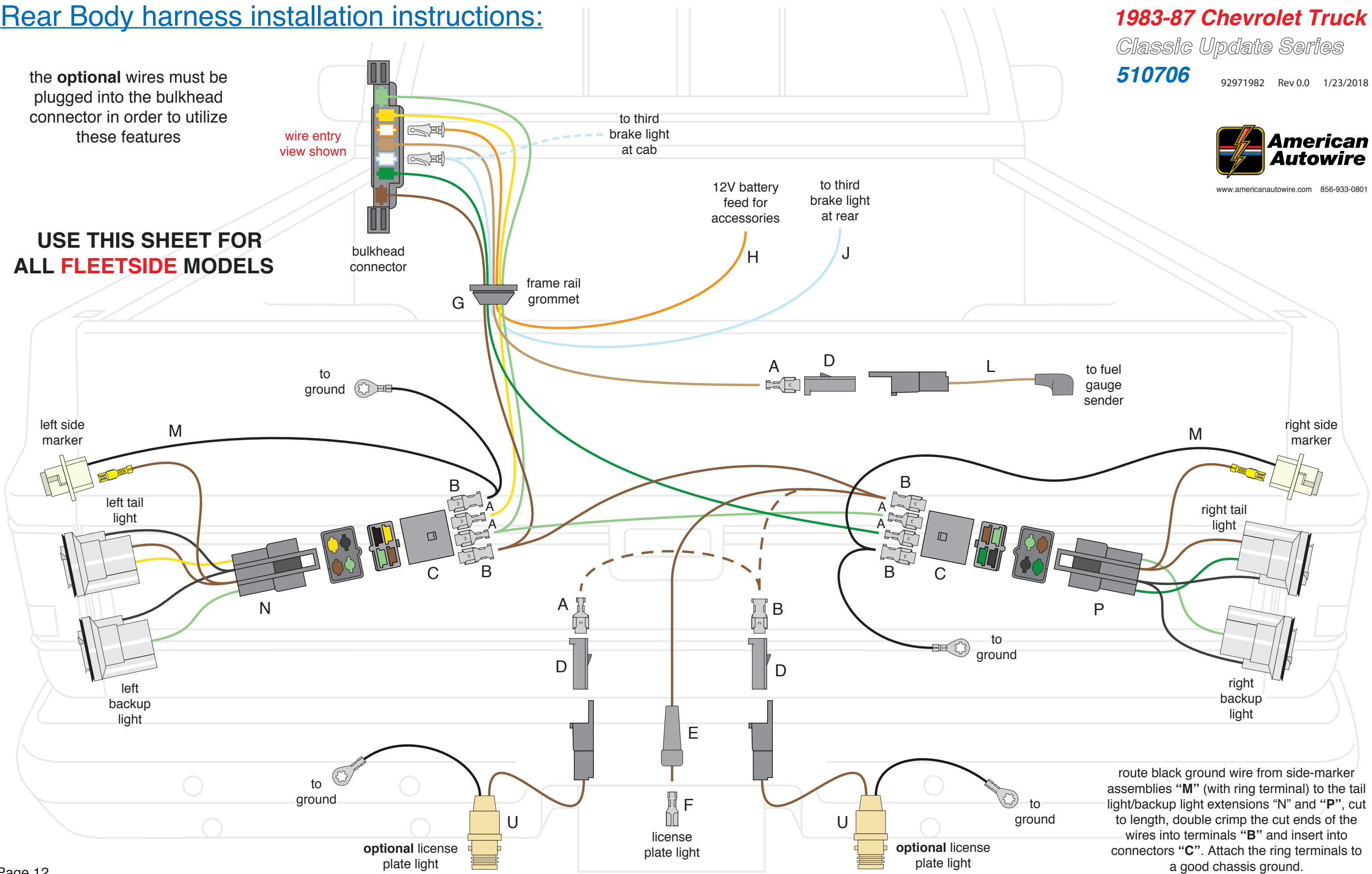
Rear Body harness installation instructions:

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Classic Update Series  
510706  
92971982 Rev 0.0 1/23/2018



the **optional** wires must be plugged into the bulkhead connector in order to utilize these features

USE THIS SHEET FOR ALL **FLEETSIDE** MODELS



route black ground wire from side-marker assemblies "M" (with ring terminal) to the tail light/backup light extensions "N" and "P", cut to length, double crimp the cut ends of the wires into terminals "B" and insert into connectors "C". Attach the ring terminals to a good chassis ground.



Rear Body harness installation instructions:

1983-87 Chevrolet Truck  
Classic Update Series  
510706 92971982 Rev 0.0 1/23/2018



the **optional** wires must be plugged into the bulkhead connector in order to utilize these features

wire entry view shown

bulkhead connector

G

frame rail grommet

to third brake light at cab

12V battery feed for accessories

H

to third brake light at rear

J

A

D

L

to fuel gauge sender

to ground

M

left side marker light

K

to ground

M

right side marker light

K

left backup light

R

C

B

A

A

A

A

B

C

T

right backup light

left tail light

right tail light

USE THIS SHEET FOR ALL **STEPSIDE** MODELS

E

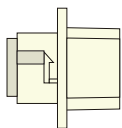
license plate light

F

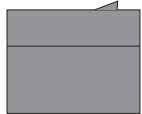
Front Light harness installation instructions:

Shown below, are the supplied misc. terminals, plastic connector bodies and extensions 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



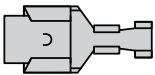
(light socket, 2 pcs.)
- B



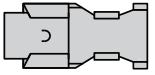
(56 series double female connector, 2 pcs.)
- C



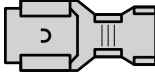
(56 series single female grommet, 1 pc.)
- D



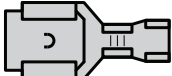
(56 series single female terminal, 6 pcs.)
- E



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




(59 series double female terminal, 9 pcs.)
- G

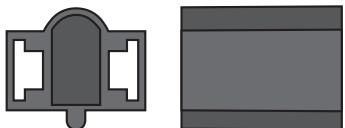


(59 series single female terminal, 5 pcs.)


- H




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




(59 series double female connector, 2 pcs.)
- M




(electric fan pigtail, 1 pc.)
- N



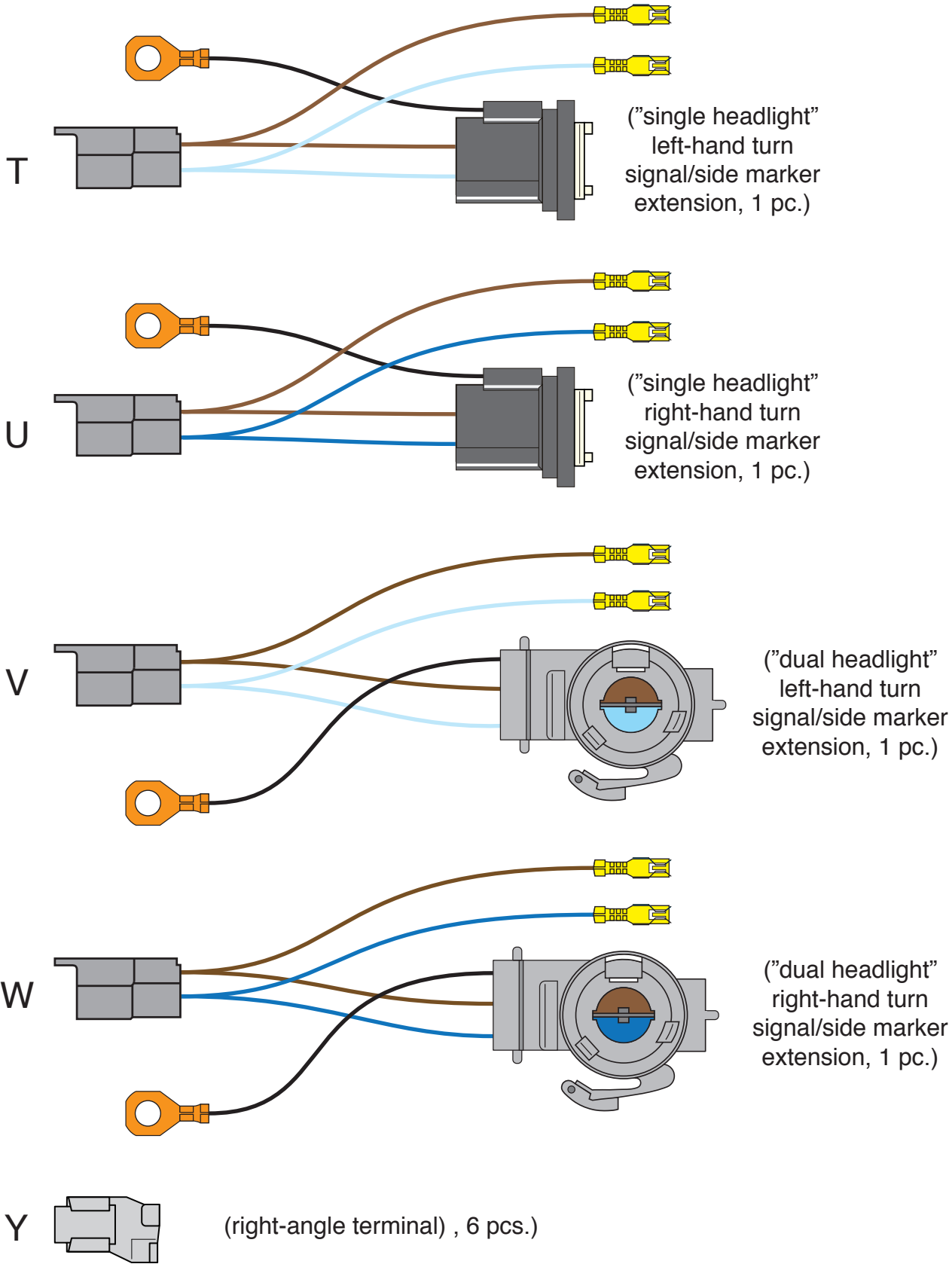
(chassis ground, 1 pc.)
- P



(headlight extension, 2 pcs.)
- R



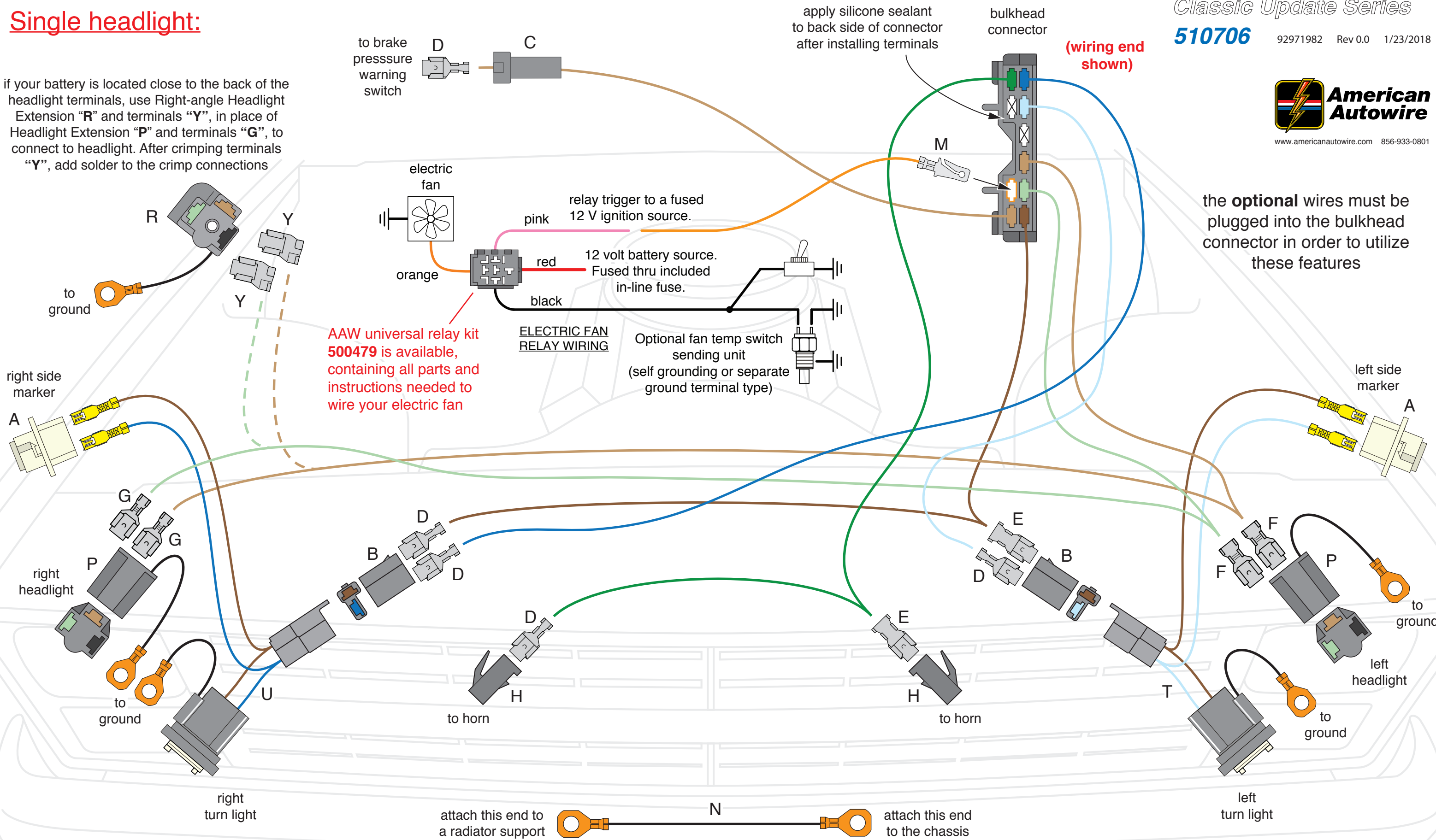
(right-angle headlight extension, 2 pcs.)



# Front Light harness installation instructions:

## Single headlight:

if your battery is located close to the back of the headlight terminals, use Right-angle Headlight Extension "R" and terminals "Y", in place of Headlight Extension "P" and terminals "G", to connect to headlight. After crimping terminals "Y", add solder to the crimp connections



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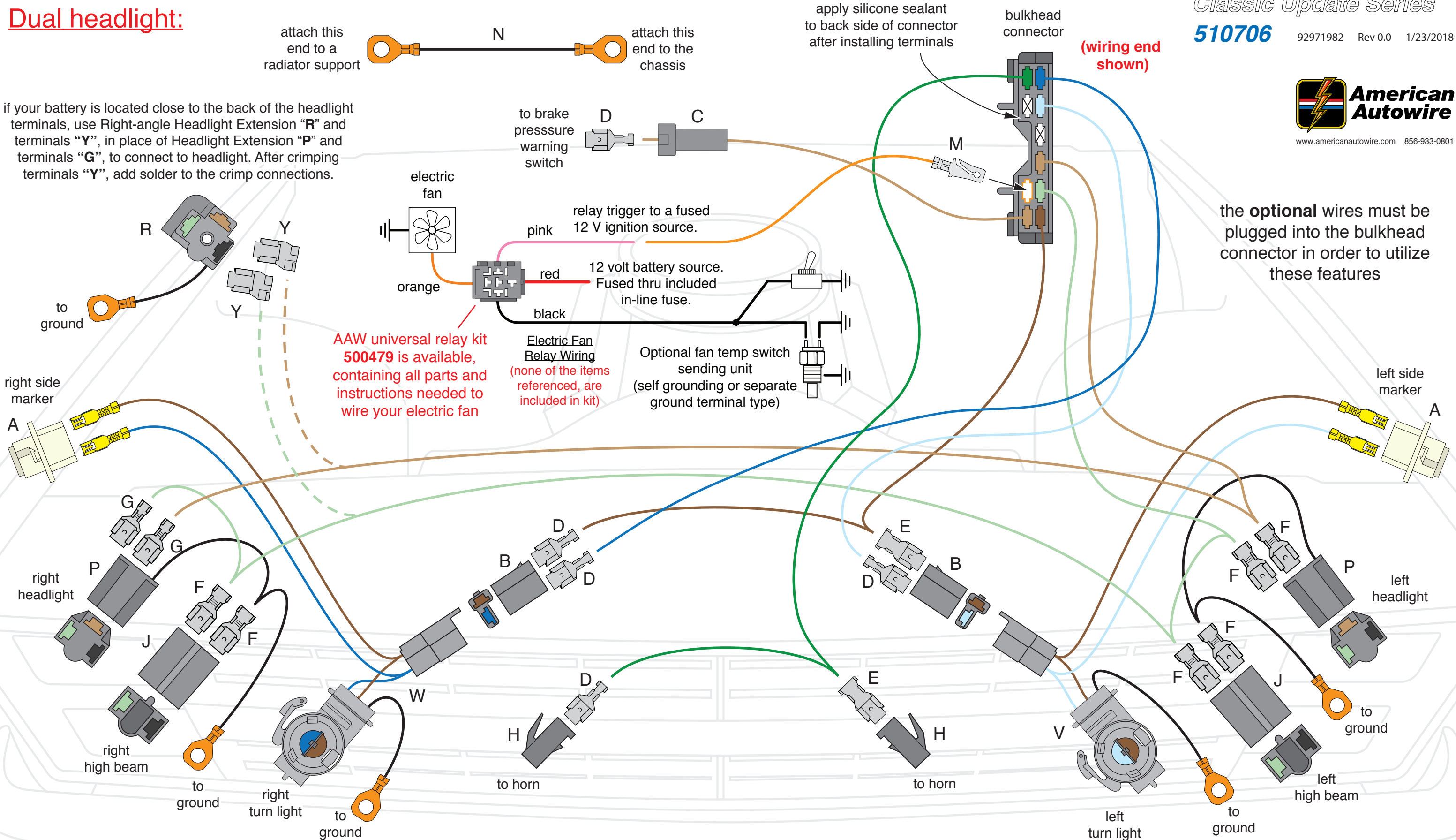


Front Light harness installation instructions:

Dual headlight:



if your battery is located close to the back of the headlight terminals, use Right-angle Headlight Extension “R” and terminals “Y”, in place of Headlight Extension “P” and terminals “G”, to connect to headlight. After crimping terminals “Y”, add solder to the crimp connections.



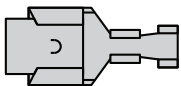
route black ground wire from connectors “P” (with ring terminal) to the high beam light connectors “J”, cut to length, double crimp the cut ends of the wire into terminals “F” and insert into connectors “J”. Attach the ring terminals to a good chassis ground.



# Engine harness installation instructions:

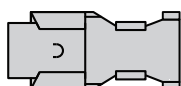
Shown below, are the supplied misc. terminals, sleeves, plastic connector bodies and wires, that will be used to complete your Engine harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Engine instruction set.

A




(56 series single female terminal, 11 pcs.)

B




(56 series double female terminal, 3 pcs.)

C




(56 series single female connector, 1 pc.)

D



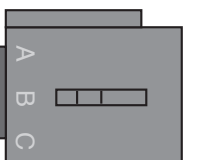
(56 series single female connector, 2 pcs.)

E



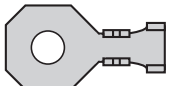
(56 series single female connector, 1 pc.)

F




(Pack-con 3-way female connector, 1 pc.)

G



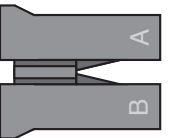
(large ring terminal, 2 pcs.)

H



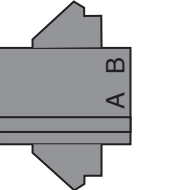
(large rubber sleeve, 1 pc.)

J



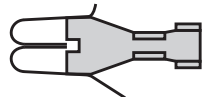
(Pack-con double female connector, 1 pc.)

K



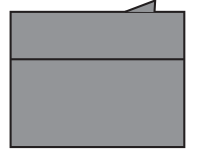
(Pack-con double female connector, 1 pc.)

L



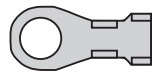
(Pack-con female terminal, 2 pcs.)

M




(56 series double female connector, 1 pc.)

P




(small ring terminal for larger gauge wire, 2 pcs.)

R



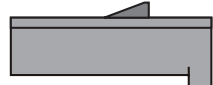
(small rubber sleeve, 2 pcs.)

T



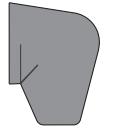
(small ring terminal for smaller gauge wire, 3 pcs.)

U



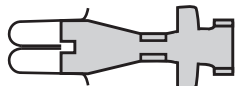
(56 series single female connector, 3 pcs.)

W




(rubber boot, 1 pc.)

Y




(Pack-con female terminal, 4 pcs.)

AA




(GM "SI" alternator exciter wiring, 1 pc.)

BB




(alternator feed wiring, 1 pc.)

CC




(main power feed fusible link, 1 pc.)

DD




(Vehicle Speed Sensor signal wire, 1 pc.)

EE




(Vehicle Speed Sensor ground wire, 1 pc.)

FF



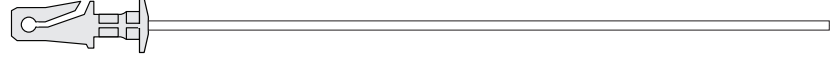
(Vehicle Speed Sensor power wire, 1 pc.)

GG




(wiper motor park switch wire, 1 pc.)

HH




(Coil-->Tach wire, 1 pc.)

JJ



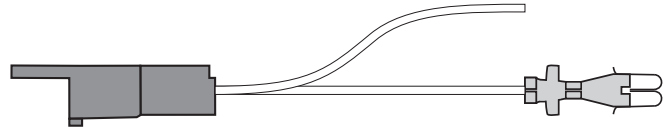
(electric choke wire, 1 pc.)

KK



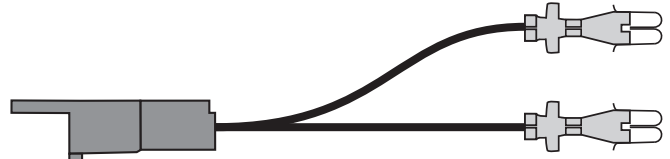
(alternator ign wire, 1 pc.)

LL




(wiper feed extension, 1 pc.)

MM



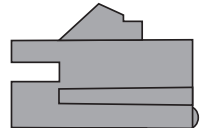
(wiper low-speed extension, 1 pc.)

NN



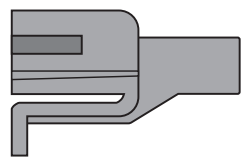
(Pack-con male terminal, 2 pcs.)

PP



(Pack-con single female connector, 1 pc.)

RR

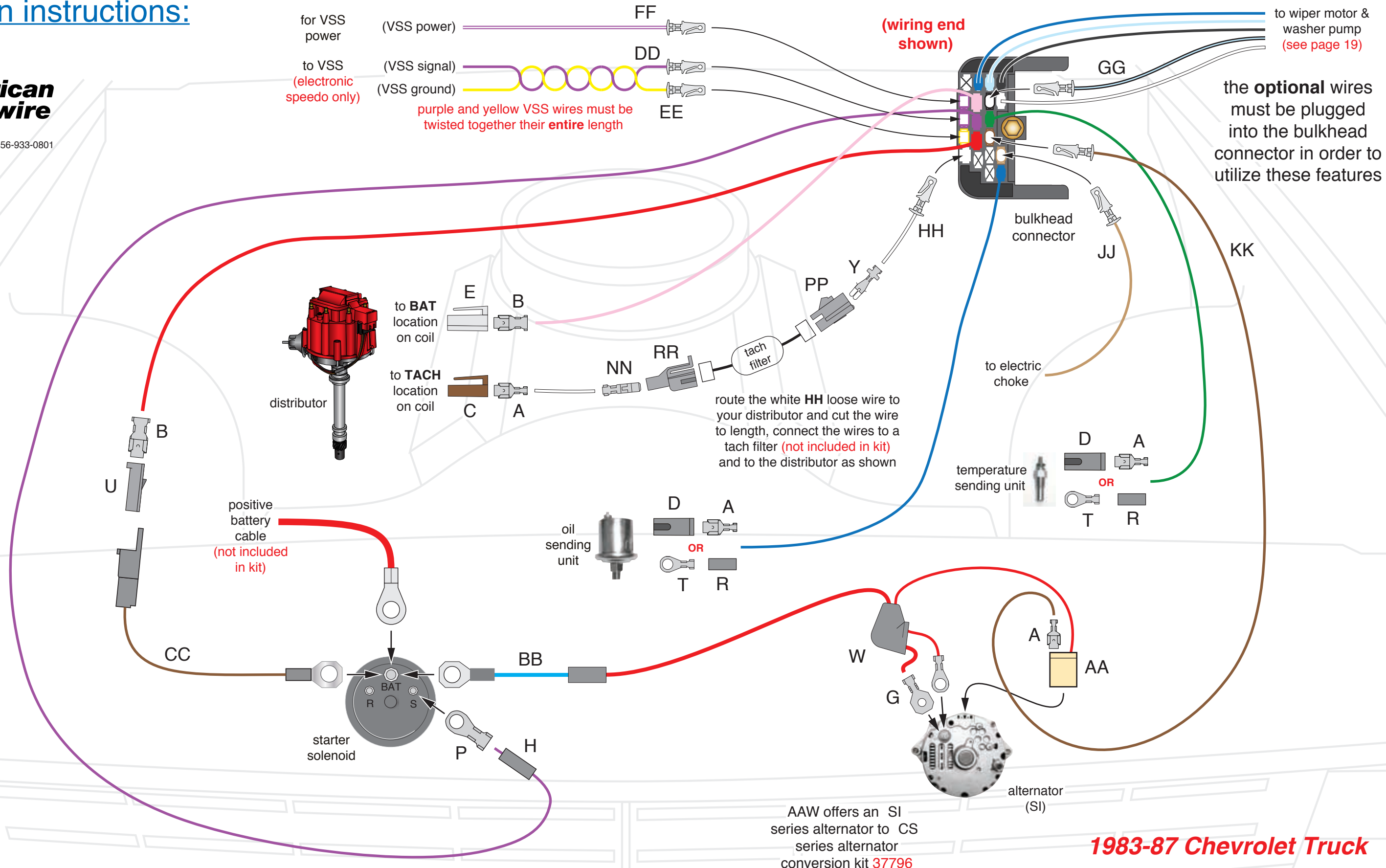


(Pack-con single male connector, 1 pc.)



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Engine harness  
installation instructions:

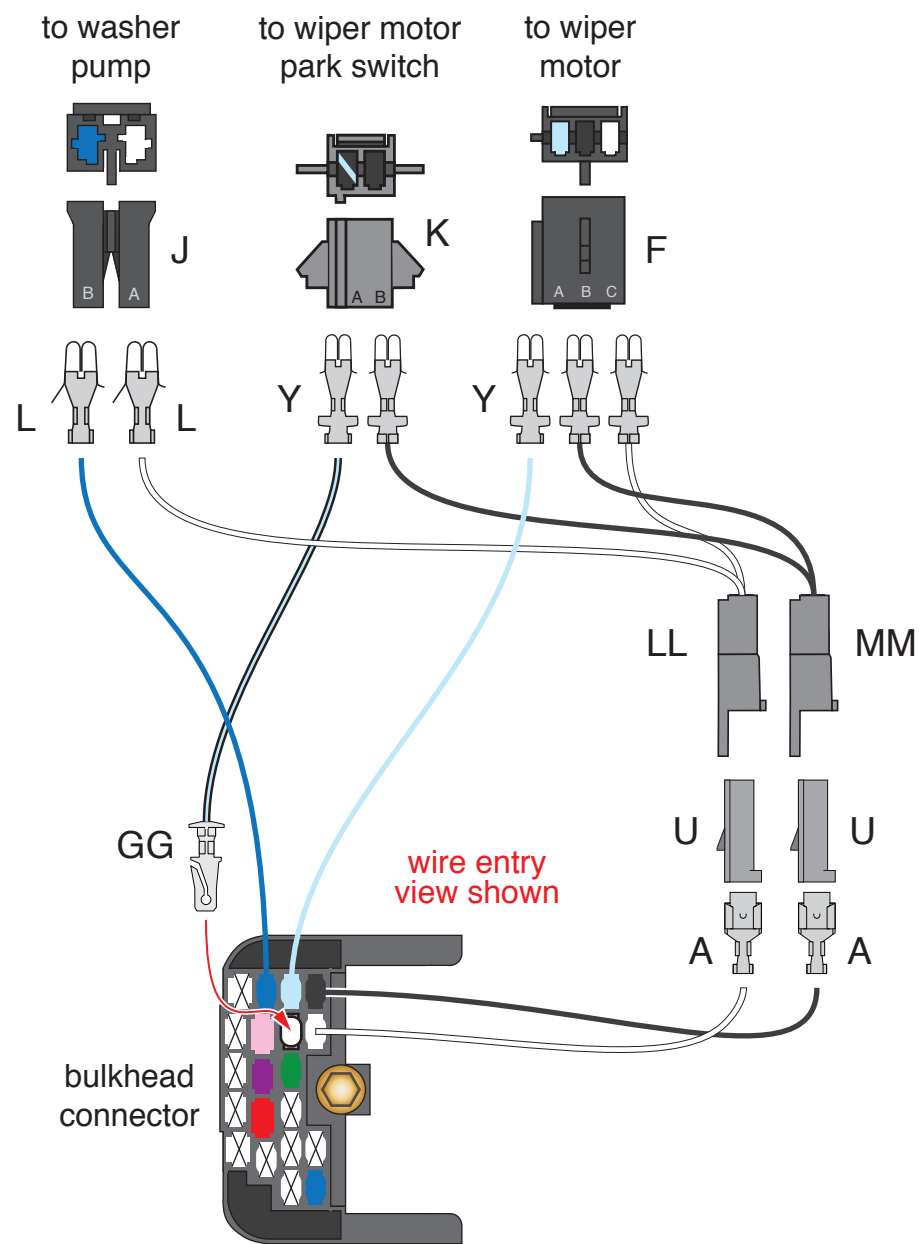


AAW offers an SI  
series alternator to CS  
series alternator  
conversion kit 37796

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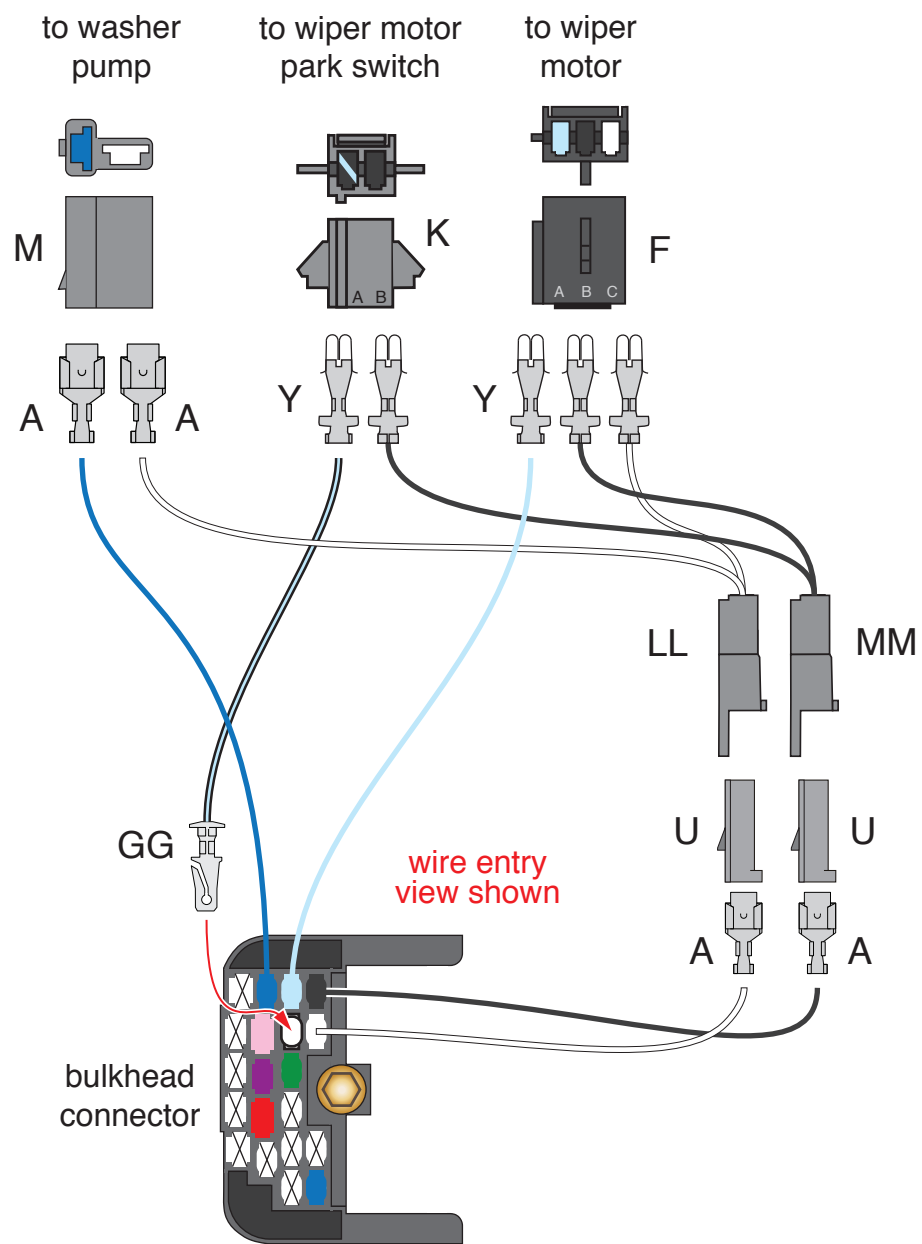
# Engine harness installation instructions:

## Wiper motor & washer pump wiring:



1983-84

the **optional** wires must be plugged into the bulkhead connector in order to utilize these features



1985-87



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### 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.

