



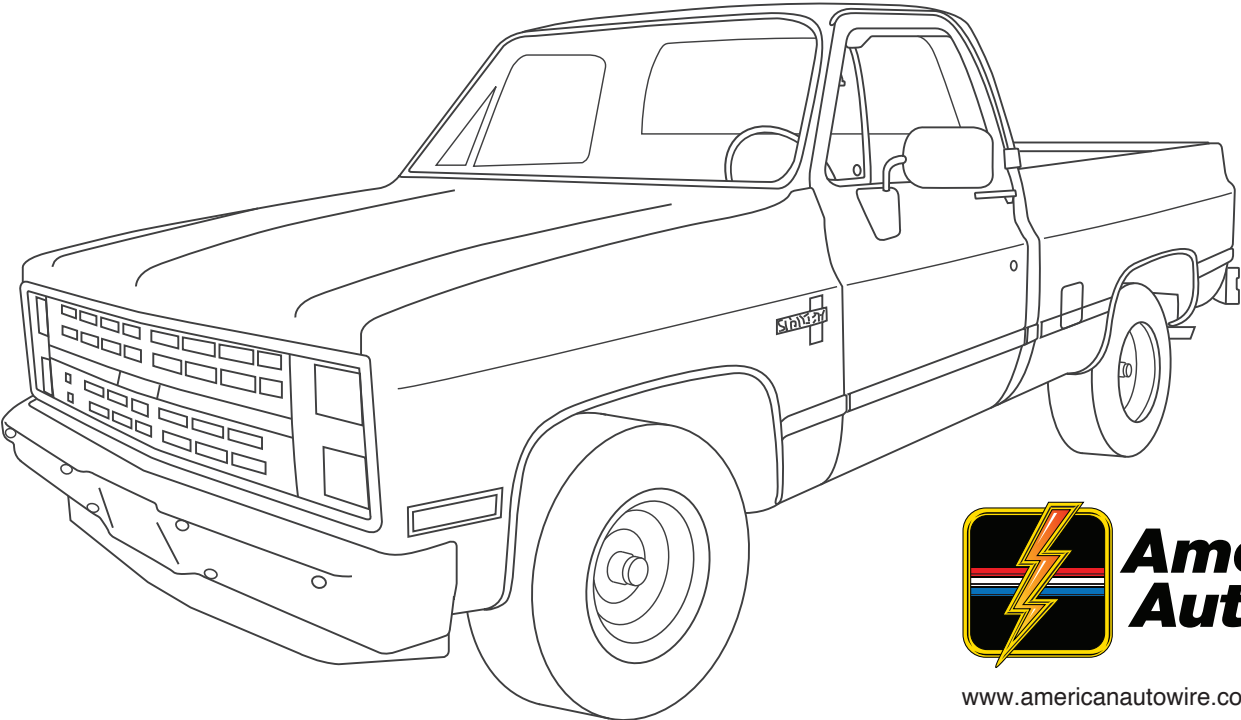
**WARNING:**

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 has been 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 the factory original A/C or heater systems. We have provided a keyed 12v power source for you to connect to your original, or other aftermarket heat or A/C system.
- Support factory-original engine management equipment (ECU's, Computers, etc.) or diesel engines.
- Include wiring or 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.
- Include wiring for dual-fuel tanks. These harnesses are **NOT** available as reproduction pieces. The installer will have to design and implement their own dual fuel tank solution to use dual tanks.
- Include wiring for power windows or door locks. We have provided a keyed 12v power source for you to connect to your original, or other aftermarket power window / door lock harnesses.
- Include wiring for the 4WD indicator present on some trucks.



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

This kit contains the following components:

| Part<br>Bag 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 510756           | Dash Harness kit                        | 1        |
| H 510757           | Instrument Cluster wiring kit           | 1        |
| J 510755           | Engine Wiring kit                       | 1        |
| L 510710           | Front Light Wiring kit                  | 1        |
| M 510711           | Rear Body Wiring kit                    | 1        |
| Z 510476           | Alt. and Main Power Connection Kit      | 1        |
| V 510730           | VSS Connection Kit                      | 1        |
| 520001             | Digital Gauge System Dim Wire - GM Kits | 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.

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

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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. 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.



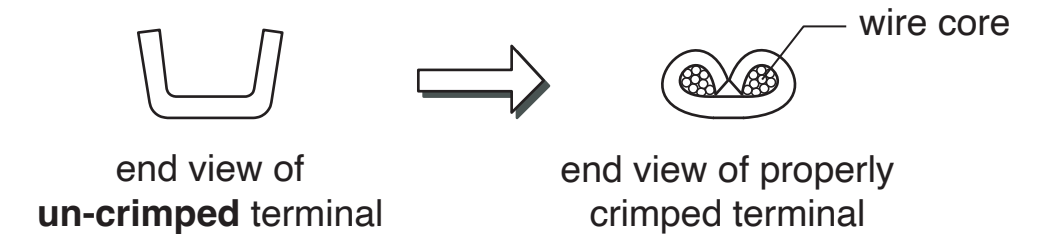
AAW offers a great terminal crimping video entitled "Proper Crimping Video". It can be viewed by visiting YouTube.

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)

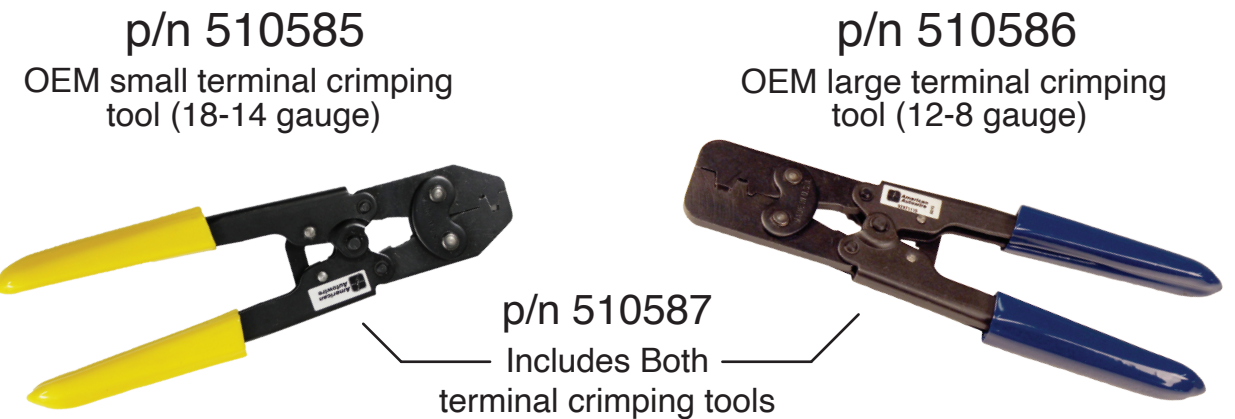
Youtube Channel:  
[www.youtube.com/user/WiringHarness](http://www.youtube.com/user/WiringHarness)



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.



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:

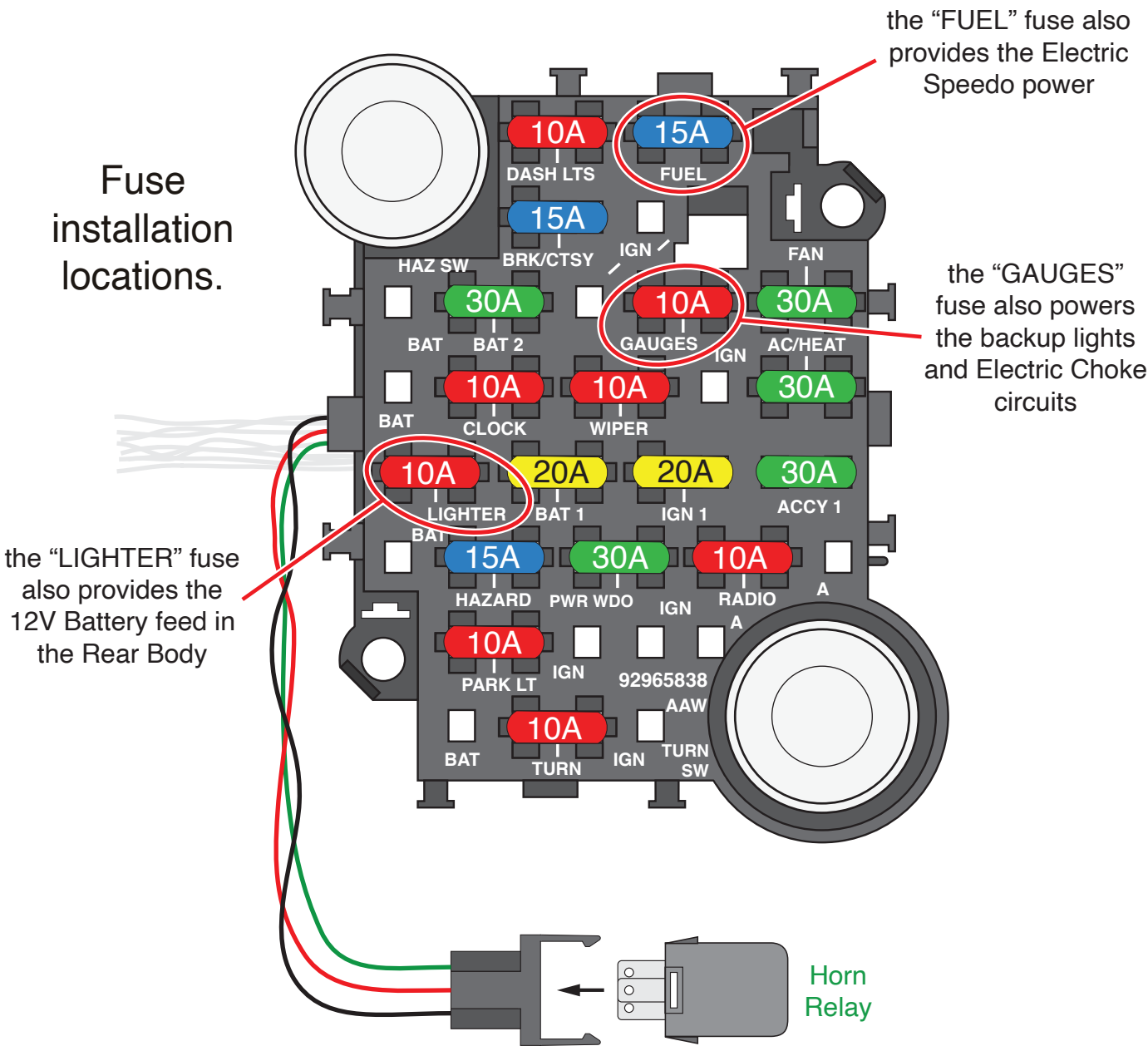
Table of Contents:

| <u>Bags:</u> | <u>Pages:</u> | <u>Sections:</u>                                                                                                                                                                                                                                                                                                                                      |
|--------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).

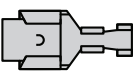




# Dash/Main harness installation instructions:

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



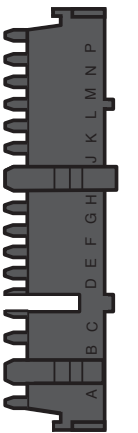
(56 series single female terminal, 10 pcs.)

B



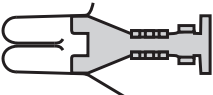
(male flat Pack-con terminal, 10 pcs.)

C



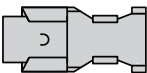
(Pack-con 14-way male conn, 1 pc.)

D



(female terminal, 7 pcs.)

E



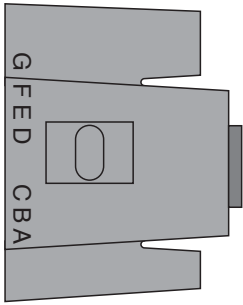
(56 series double female terminal, 2 pcs.)

F



(plastic clip to be installed into item G below, 2 pcs.)

G



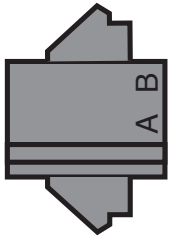
(Pack-con 7-way female conn, 1 pc.)

K



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

L



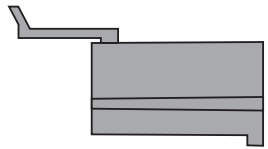
(Pack-con double female conn, 1 pc.)

N



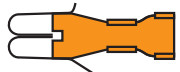
(56 series double female conn, 1 pc.)

P



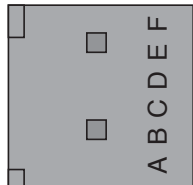
(56 series double female conn, 1 pc.)  
**This connector has not been supplied. You must re-use your original.**

R



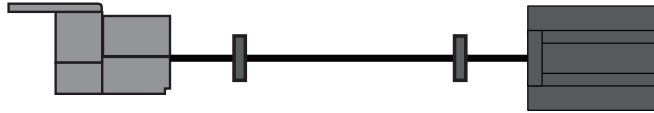
( Pack-con female terminal, 8 pcs.)

T



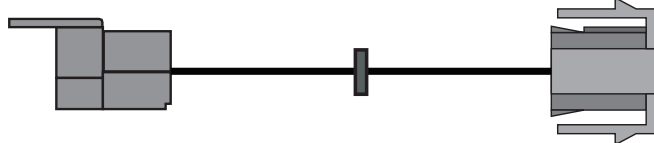
(Printed circuit 6-way female conn, 1 pc.)  
**This connector has not been supplied. You must re-use your original.**

U



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

V



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

W



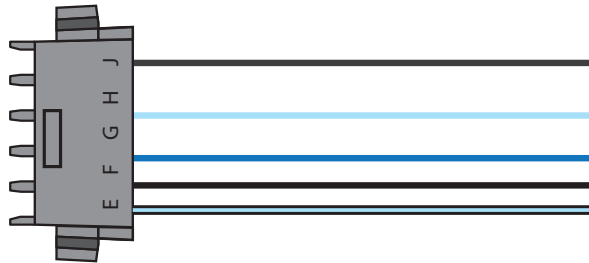
(neutral safety switch auto trans extension - reference, 1 pc.)

Y



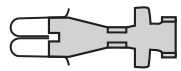
(neutral safety switch jumper - reference, 1 pc.)

AA



(wiper switch extension - reference, 1 pc.)

BB



( Pack-con female terminal, 3 pcs.)

CC

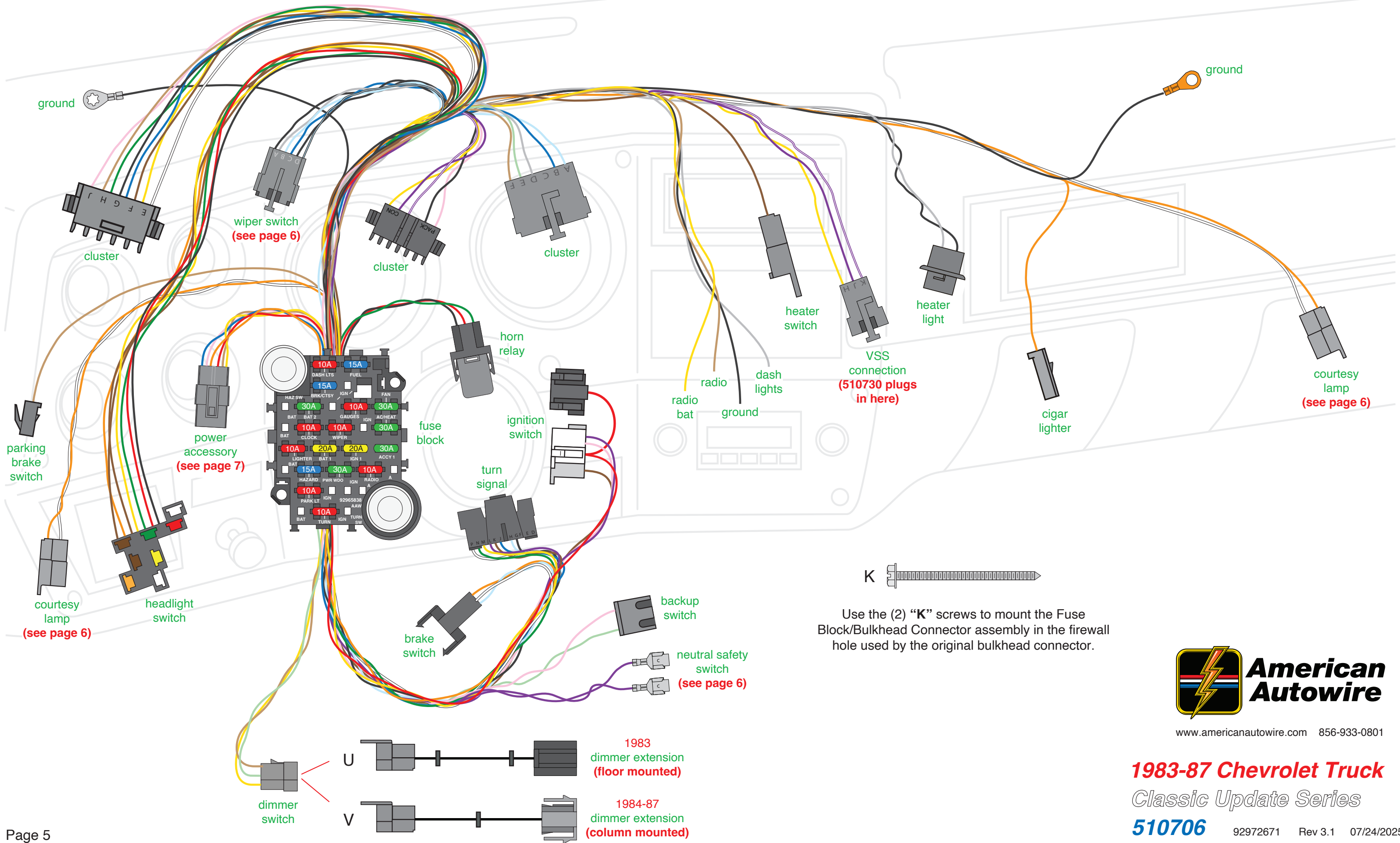


(gray dash lights wire, 1 pc.)





Dash/Main harness installation instructions:



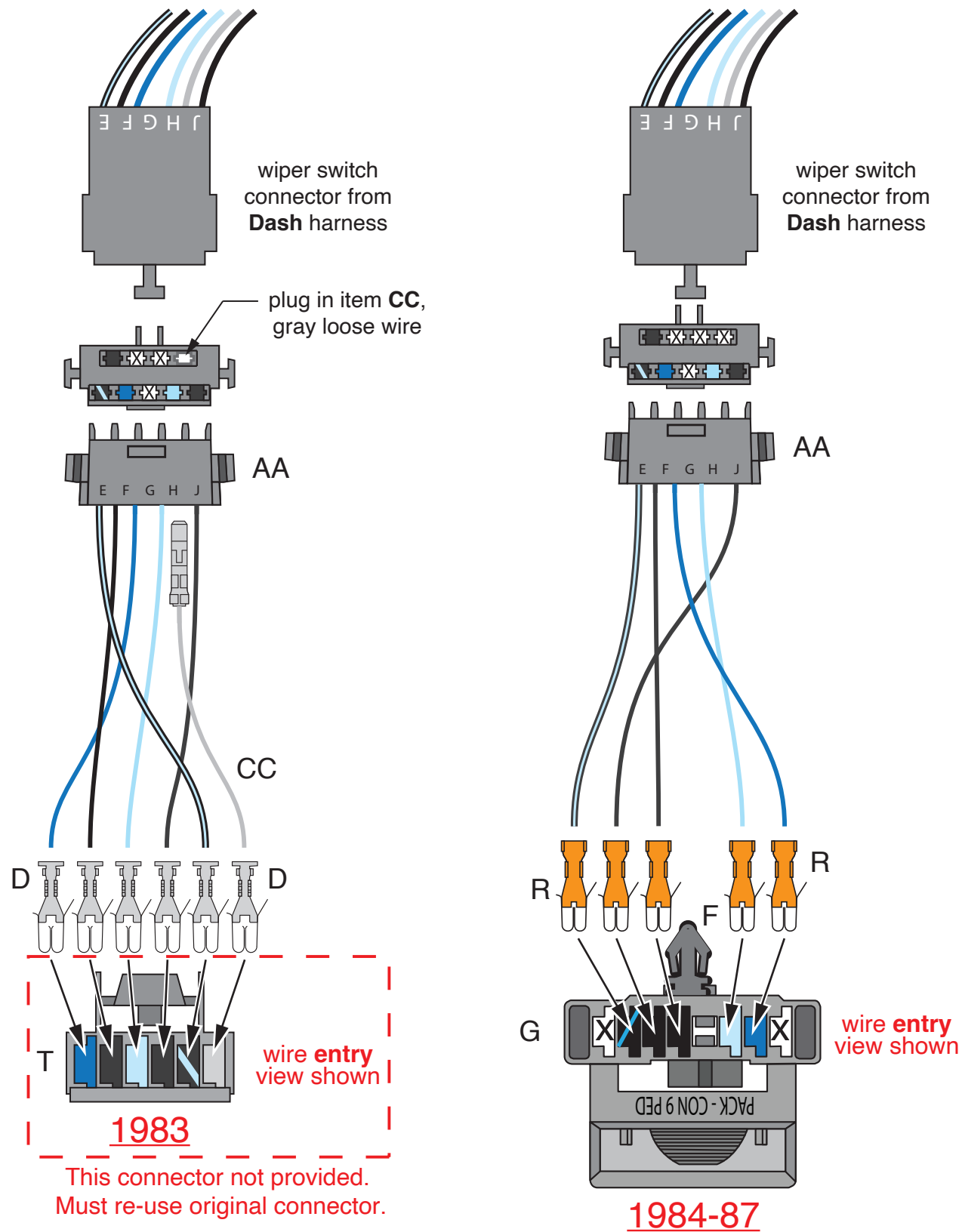
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Dash/Main harness installation instructions:

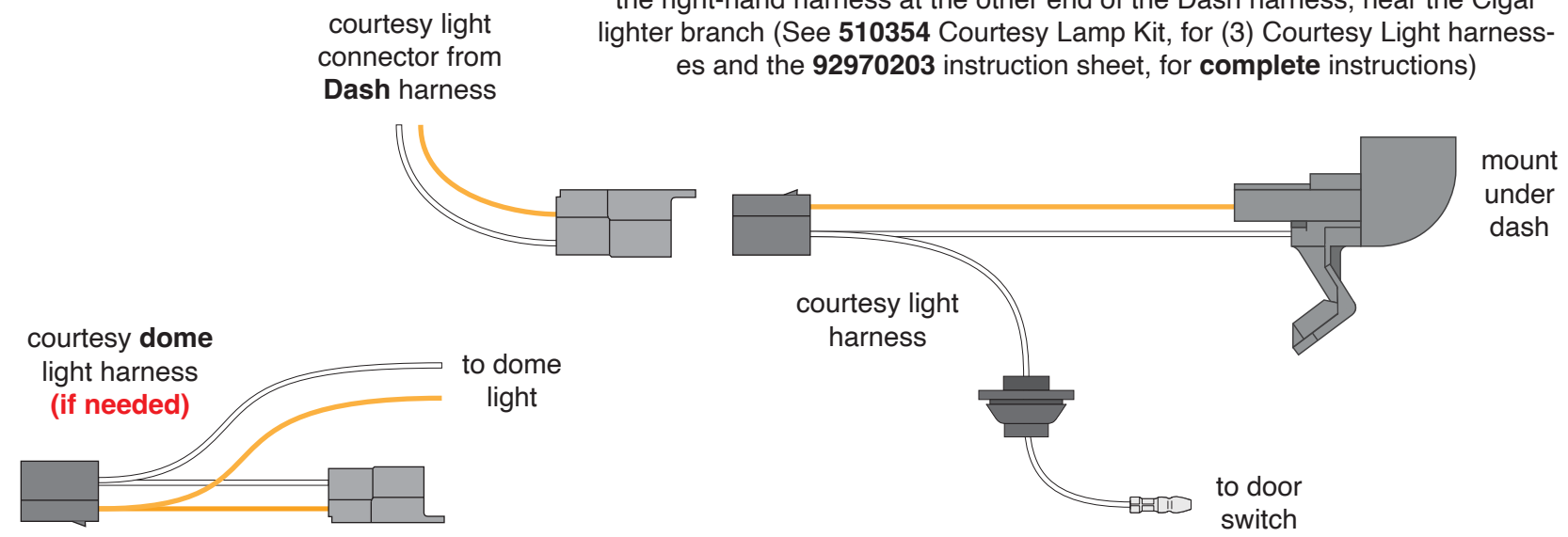
Wiper switch wiring:

**NOTE:** The 6-way Pack-Con connector that mates to the 1983 wiper switch is currently unavailable. The installer will need to retain or source an original in order to complete this connection. AAW still provides terminals “D” (as shown below) to be inserted in the original connector.

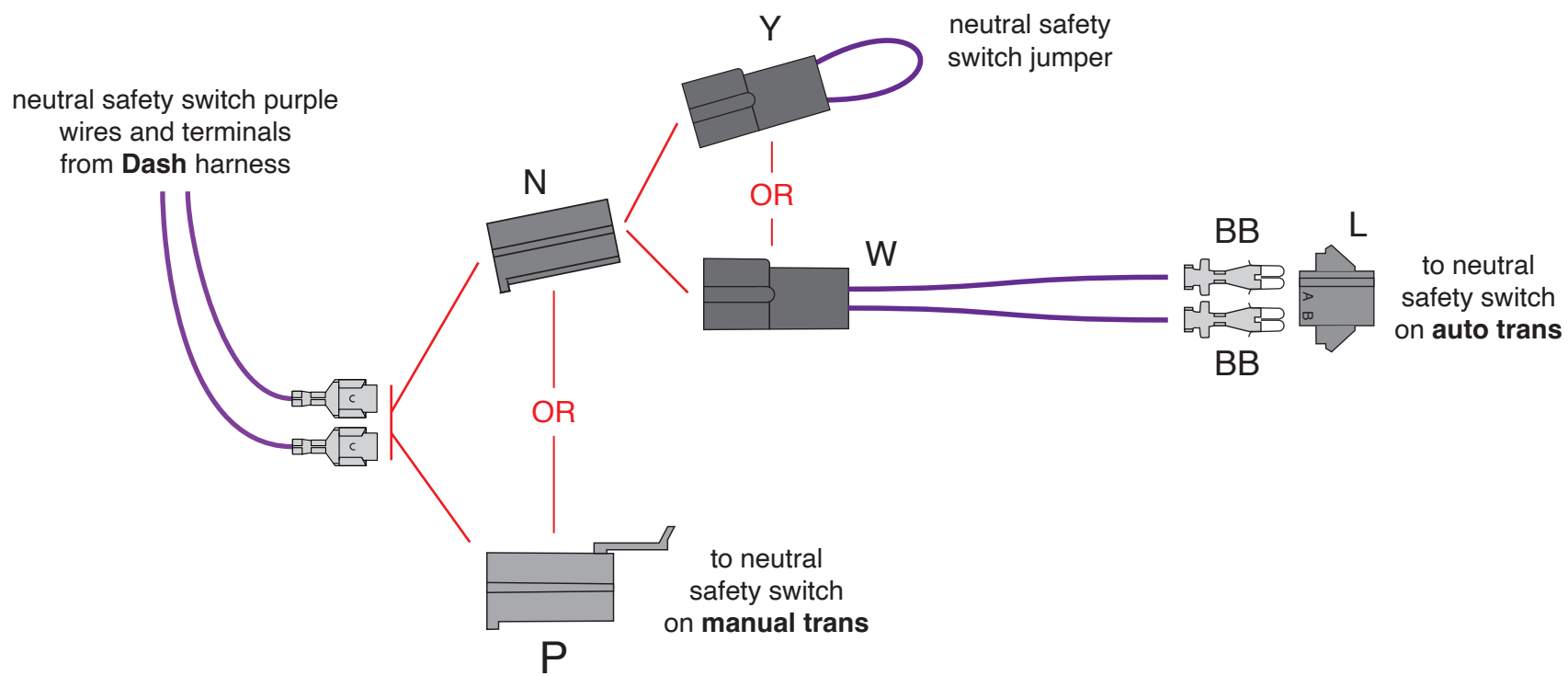


Courtesy light wiring (all years):

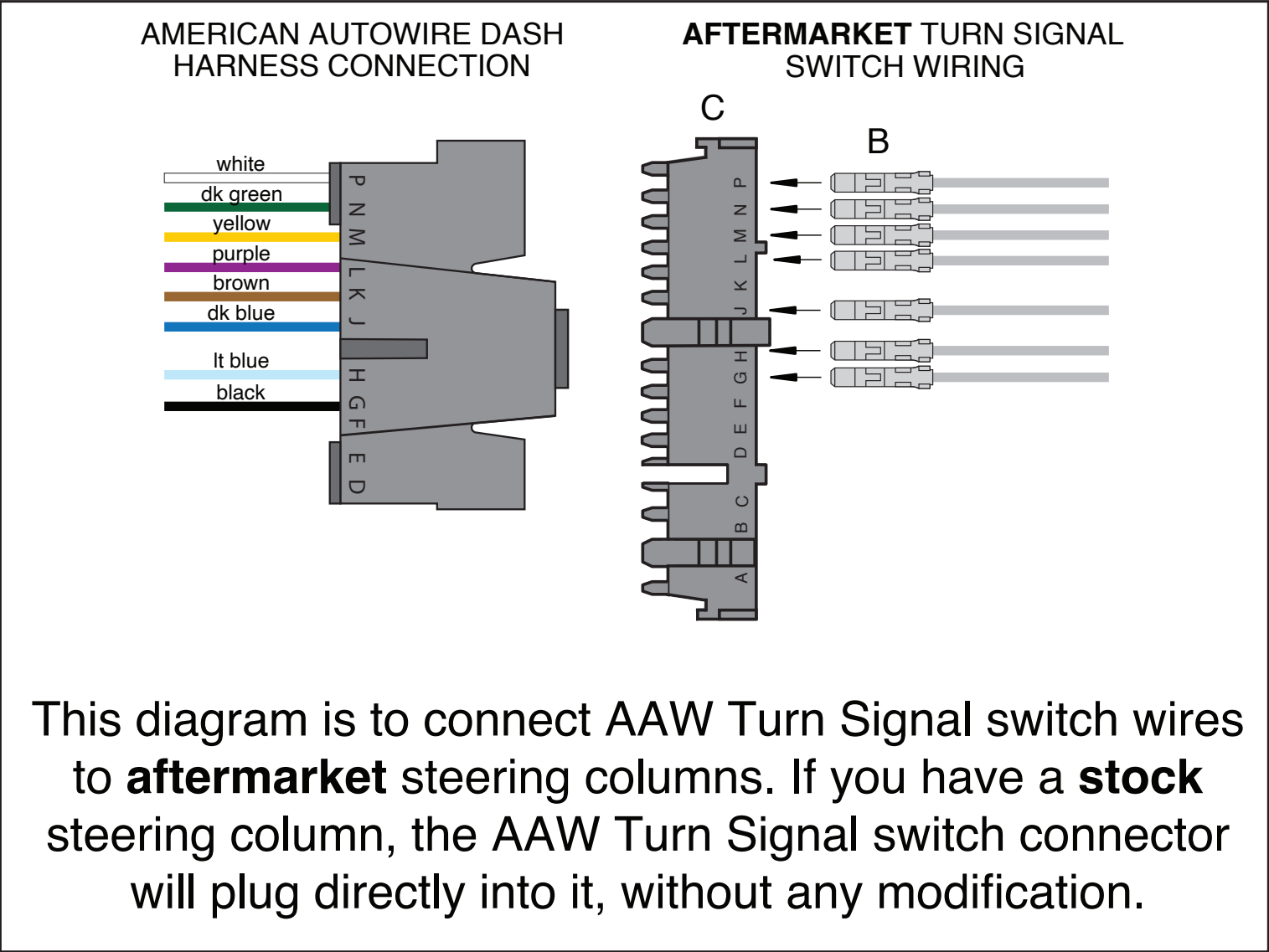
Connect the (2) courtesy light harnesses (3 harnesses, if you have dome lights) to the courtesy light connectors from the Dash harness: the left-hand harness at the same branch as the Parking Brake switch and Horn relay connector and the right-hand harness at the other end of the Dash harness, near the Cigar lighter branch (See 510354 Courtesy Lamp Kit, for (3) Courtesy Light harnesses and the 92970203 instruction sheet, for complete instructions)



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                    |

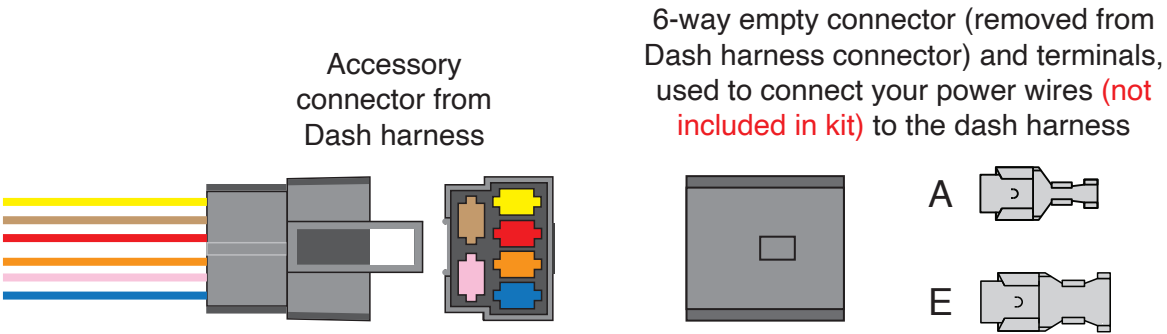
Remove the **aftermarket** Turn Signal switch Connector and replace it with the AAW 14-way connector “C”. Crimp on terminal “B” to each of the original Turn Signal switch wires and plug them into connector “C” (see Parts Kit **92971987**).

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

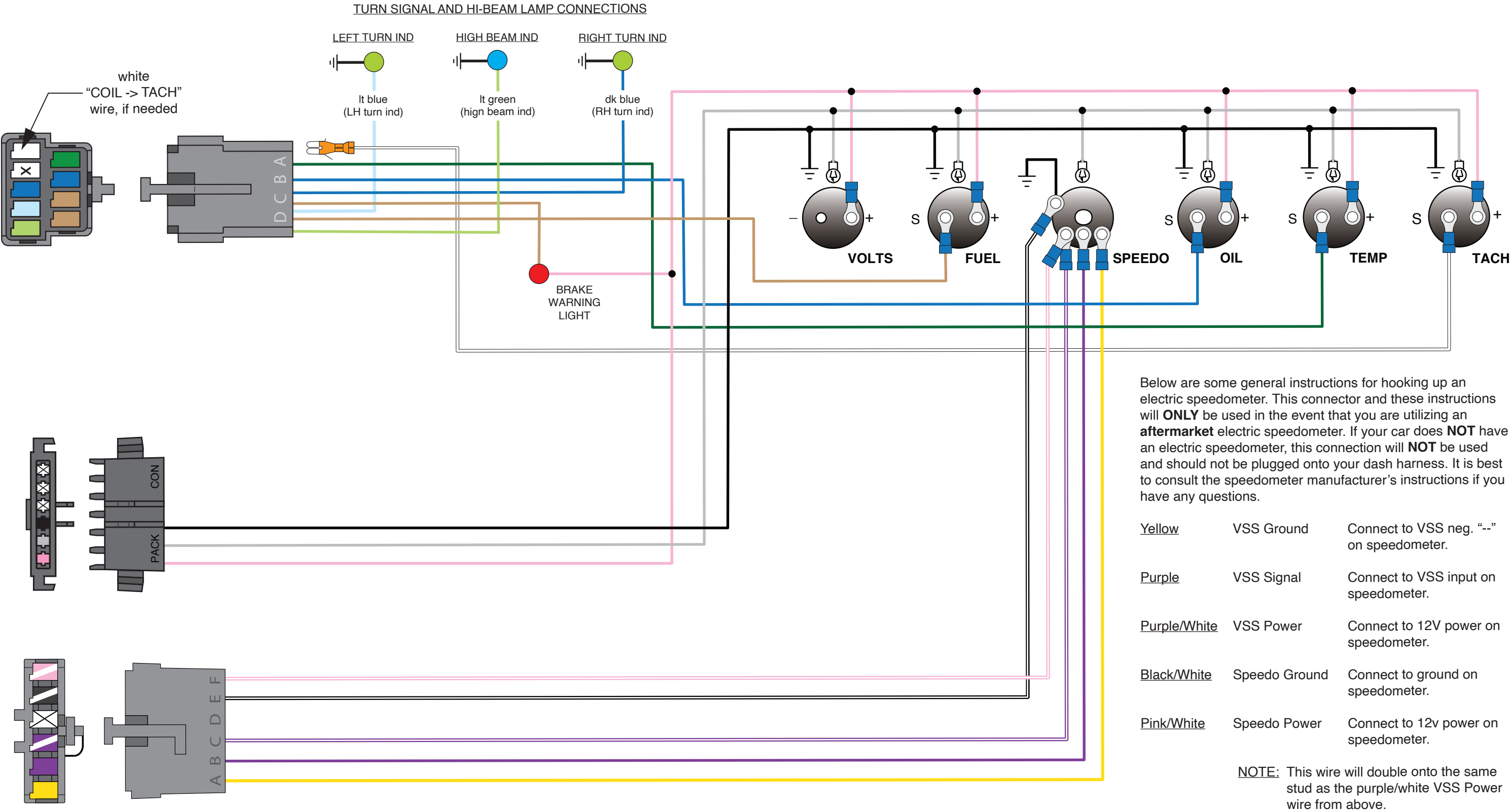
Use the provided 6-way empty connector, which is attached to the 6-way Accessory connector on the Dash Harness, and terminals “A” and “E” to add power wires (not included in kit) for the following optional systems:

| 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:

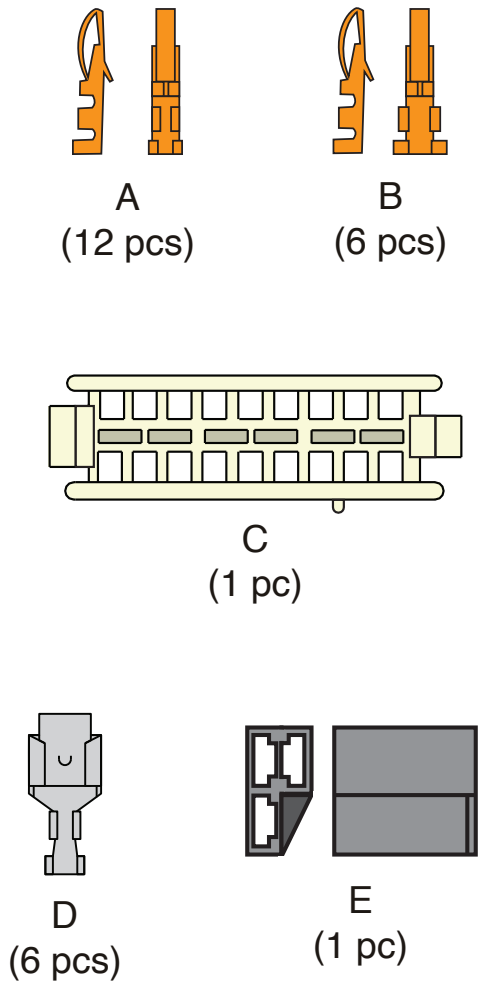
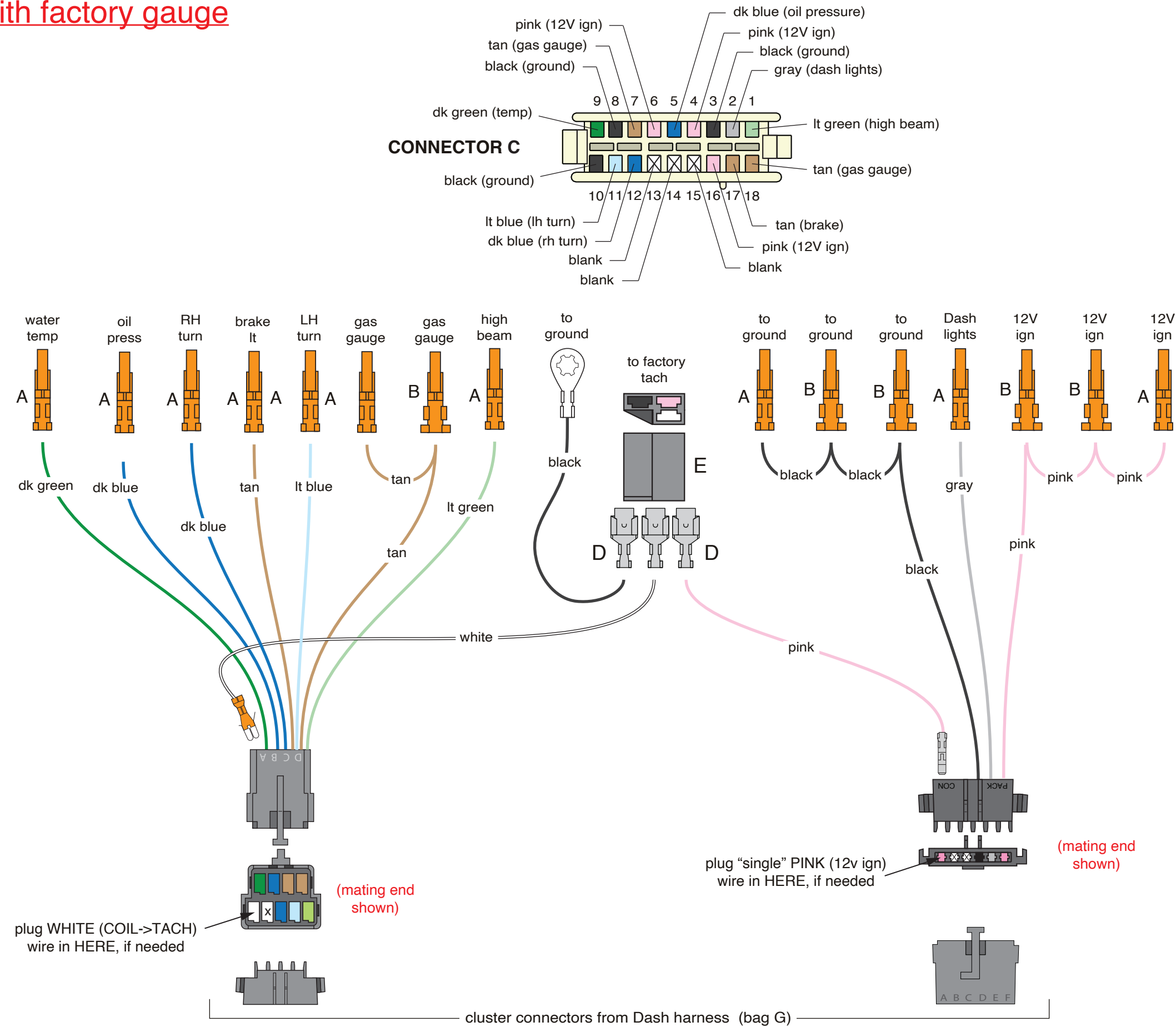


See pages 9-10 for stock dash cluster

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Instrument Cluster harness installation instructions:

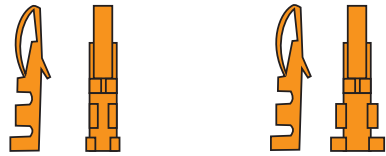
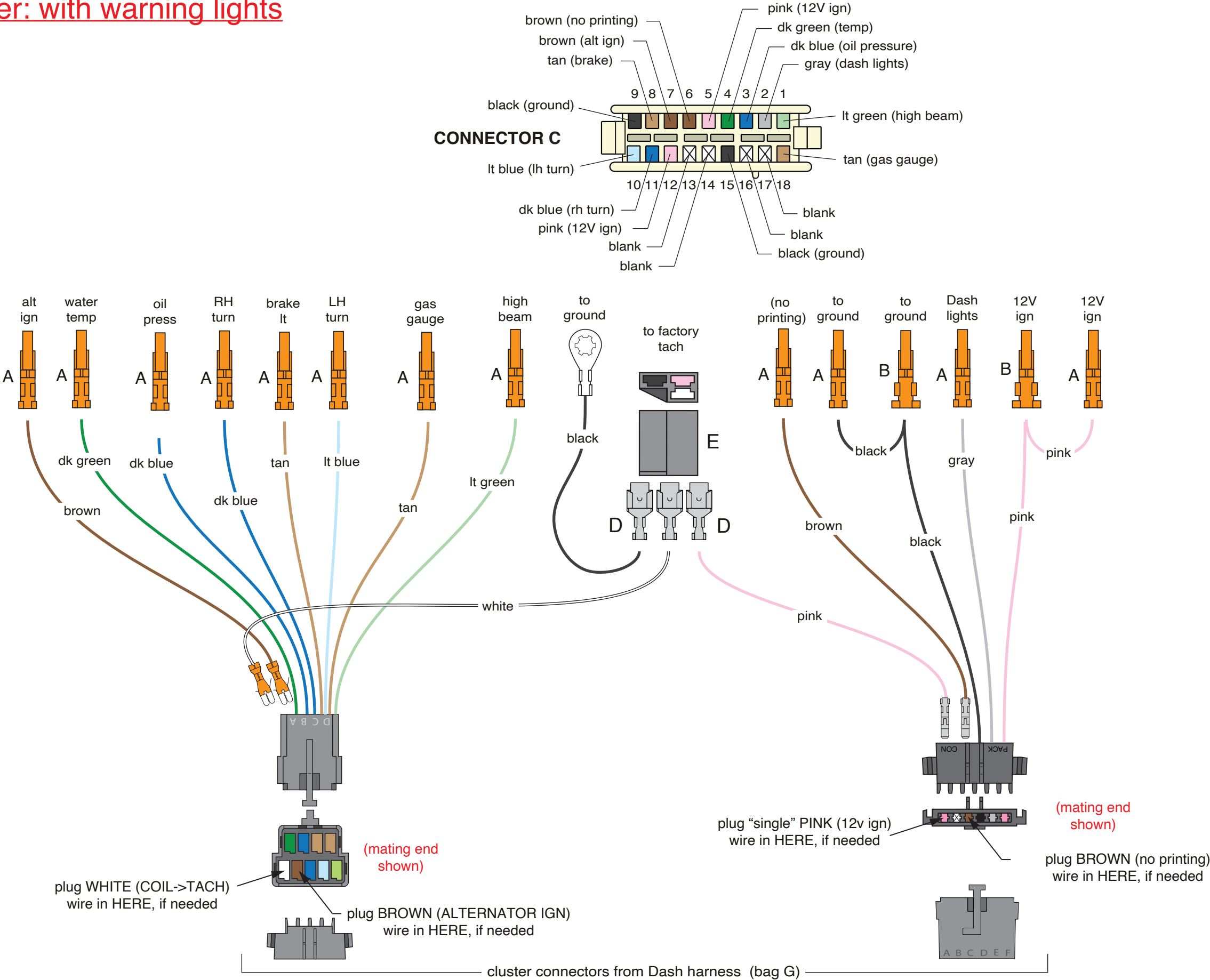
Cluster: with factory gauge



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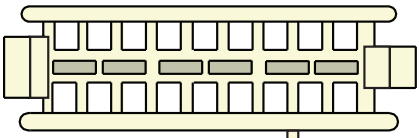
Instrument Cluster harness installation instructions:

Cluster: with warning lights

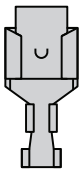


A  
(12 pcs)

B  
(6 pcs)



C  
(1 pc)



D  
(6 pcs)



E  
(1 pc)



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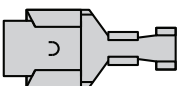
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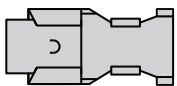
**1983-87 Chevrolet Truck**  
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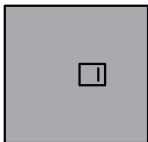


# Rear Body harness installation instructions:

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 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.)

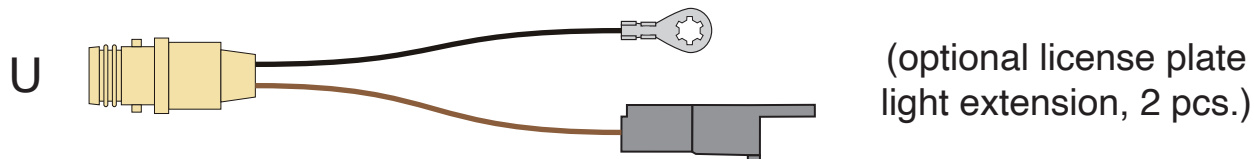
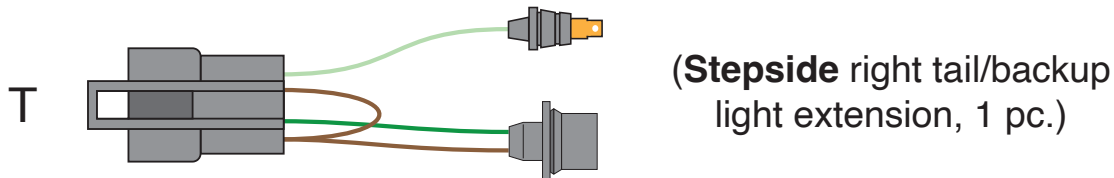
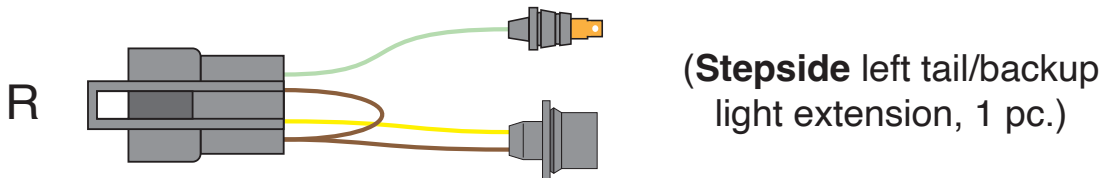
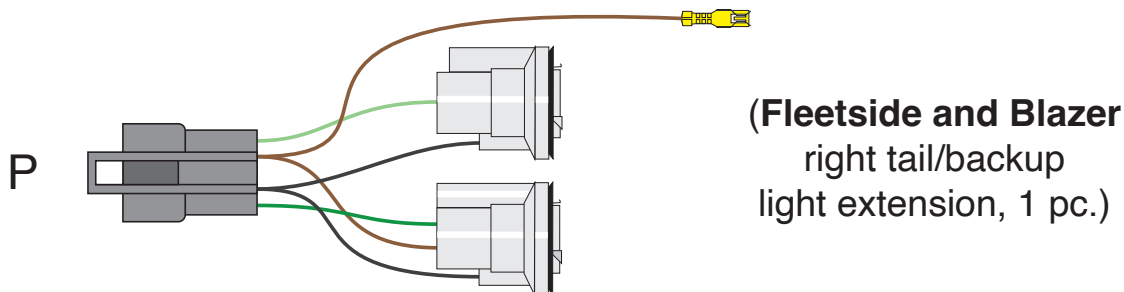
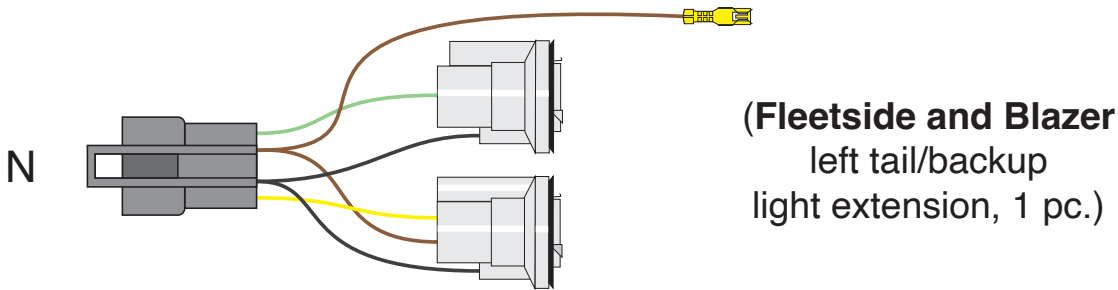
H  (12V Battery - Fused, 1 pc.)

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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510706

Rear Body harness installation instructions:

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Classic Update Series

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

USE THIS SHEET FOR ALL **FLEETSIDE AND BLAZER** MODELS

wire entry view shown

bulkhead connector

to third brake light at cab

12V battery feed for accessories

to third brake light at rear

frame rail grommet

to ground

left side marker

M

left tail light

N

left backup light

B

A

A

B

A

D

E

F

license plate light

A

D

L

to fuel gauge sender

M

right side marker

right tail light

P

right backup light

B

A

A

B

C

to ground

to ground

optional license plate light

U

to ground

optional license plate light

U

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:

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Classic Update Series  
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the **optional** wires must be plugged into the bulkhead connector in order to utilize their 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

left backup light

R

C

B

left tail light

USE THIS SHEET FOR ALL **STEPSIDE** MODELS

E

license plate light

F

to ground

M

right side marker light

K

right backup light

T

A

A

B

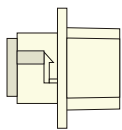
C

right tail light

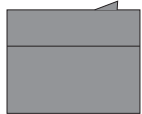
Front Light harness installation instructions:

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



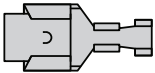
(light socket, 2 pcs.)
- B



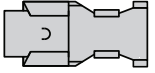
(56 series double female connector, 2 pcs.)
- C



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



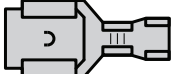
(56 series single female terminal, 6 pcs.)
- E



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



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

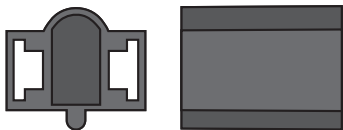


(59 series single female terminal, 5 pcs.)

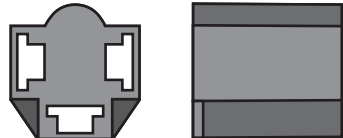
- H



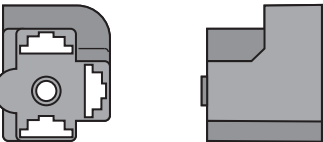
(56 series single female connector, 2 pcs.)
- J



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



(59 series triple female connector, 2 pcs.)
- L



(90 degree 59 series triple female connector, 2 pcs.)
- M



(electric fan pigtail, 1 pc.)
- N



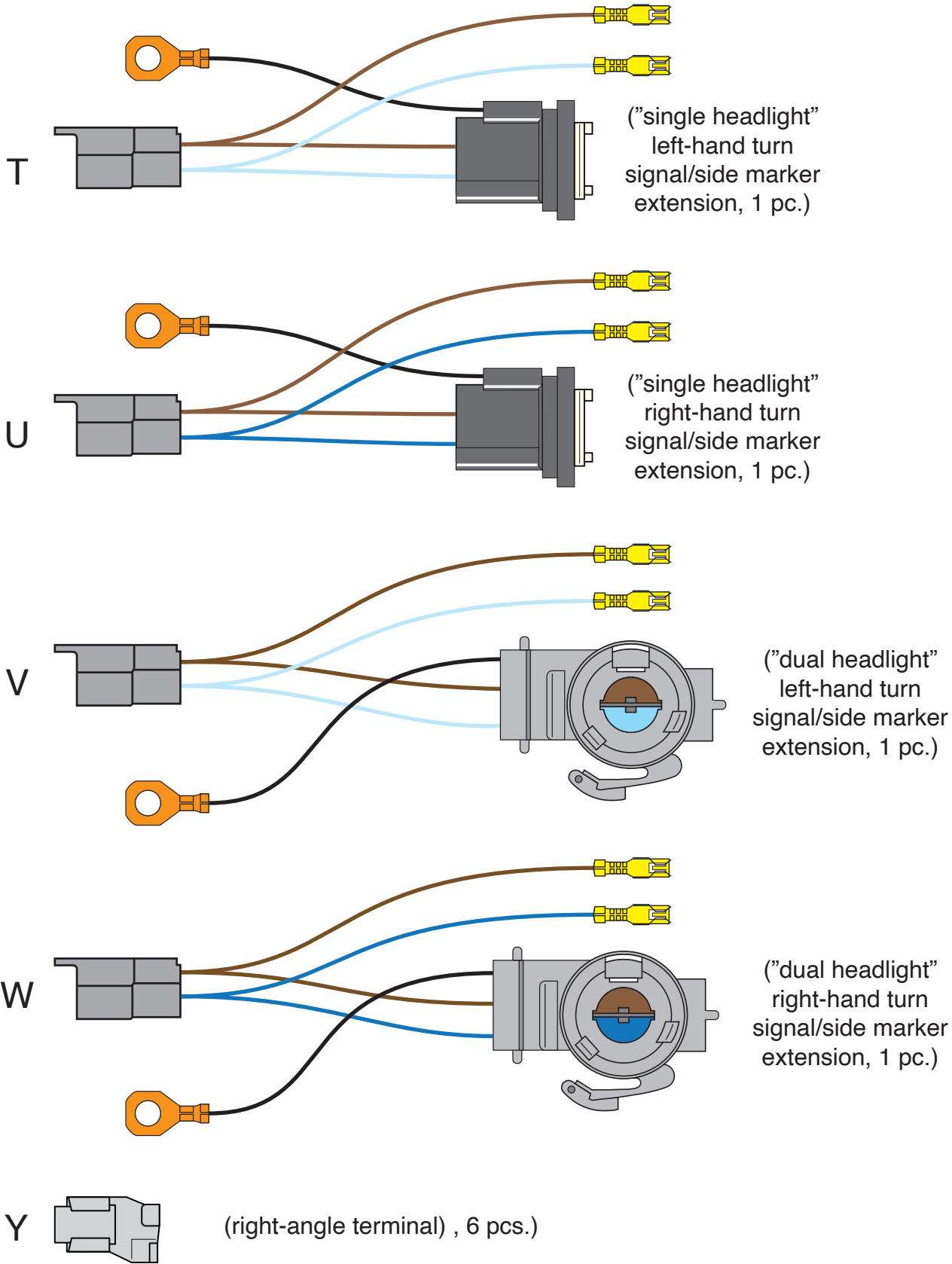
(chassis ground, 1 pc.)
- P



(headlight extension ground wires, 2 pcs.)
- R



(right-angle headlight extension ground wires, 2 pcs.)

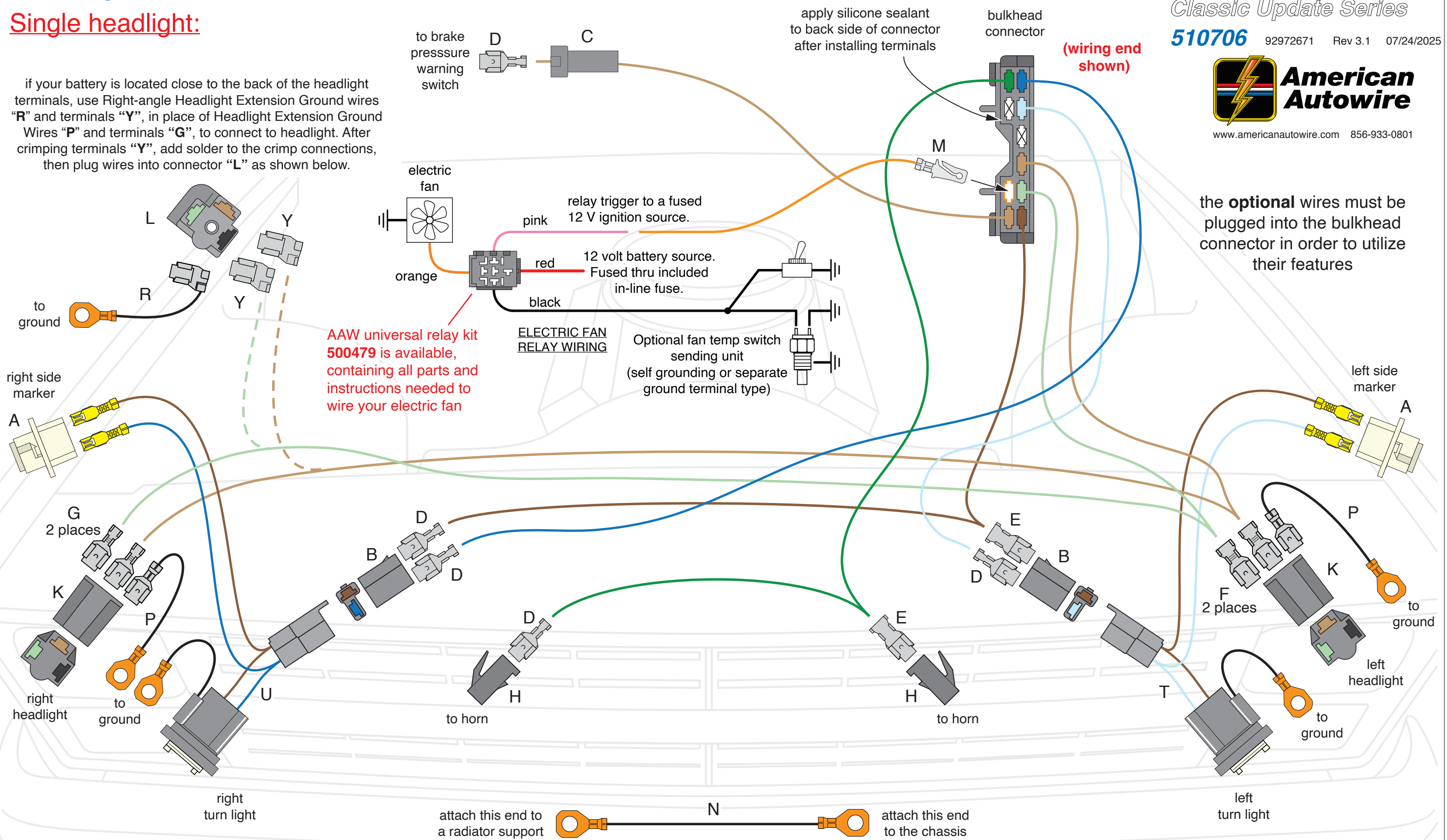




# Front Light harness installation instructions:

## Single headlight:

if your battery is located close to the back of the headlight terminals, use Right-angle Headlight Extension Ground wires "R" and terminals "Y", in place of Headlight Extension Ground Wires "P" and terminals "G", to connect to headlight. After crimping terminals "Y", add solder to the crimp connections, then plug wires into connector "L" as shown below.



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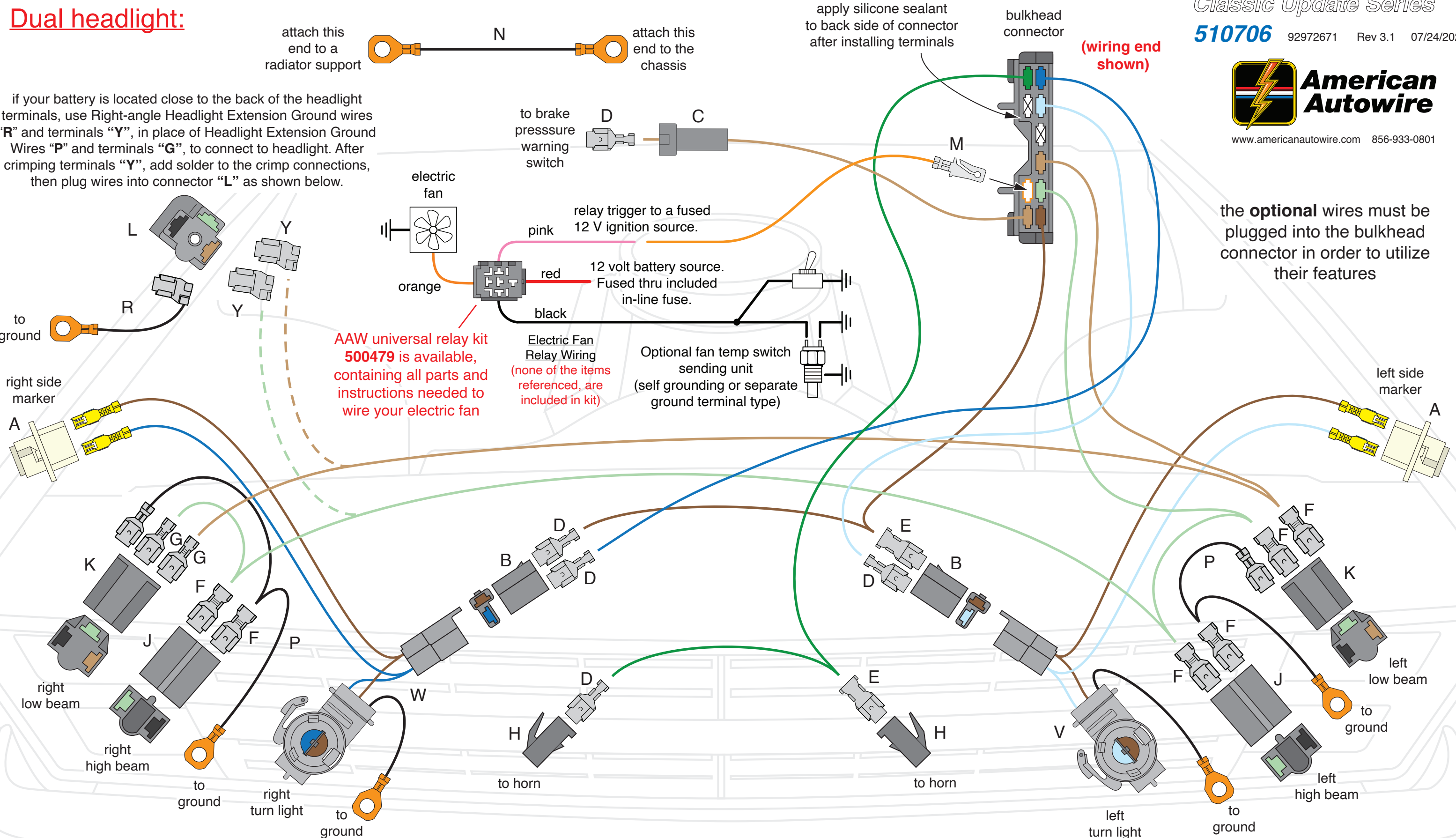


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Front Light harness installation instructions:

Dual headlight:

if your battery is located close to the back of the headlight terminals, use Right-angle Headlight Extension Ground wires "R" and terminals "Y", in place of Headlight Extension Ground Wires "P" and terminals "G", to connect to headlight. After crimping terminals "Y", add solder to the crimp connections, then plug wires into connector "L" as shown below.



AAW universal relay kit 500479 is available, containing all parts and instructions needed to wire your electric fan (none of the items referenced, are included in kit)

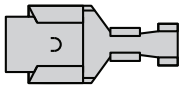


the optional wires must be plugged into the bulkhead connector in order to utilize their features

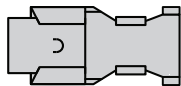
route black ground wire from connectors "P" (with ring terminal) to the high beam light connectors "J", cut to length, double crimp the cut ends of the wire into terminals "F" and insert into connectors "J". Attach the ring terminals to a good chassis ground.

Engine harness installation instructions:

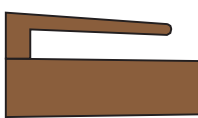
Shown below, are the supplied misc. terminals, sleeves, plastic connector bodies and wires, that will be used to complete your Engine harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Engine instruction set.

A

(56 series single female terminal, 11 pcs.)

B

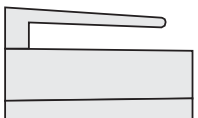
(56 series double female terminal, 3 pcs.)

C

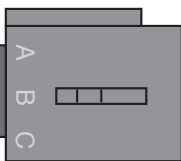
(56 series single female connector, 1 pc.)

D

(56 series single female connector, 2 pcs.)

E

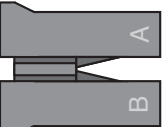
(56 series single female connector, 1 pc.)

F

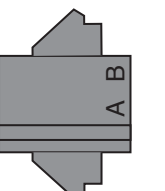
(Pack-con 3-way female connector, 1 pc.)

H

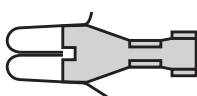
(large rubber sleeve, 1 pc.)

J

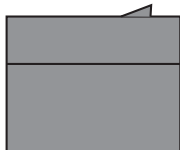
(Pack-con double female connector, 1 pc.)

K

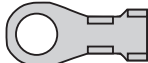
(Pack-con double female connector, 1 pc.)

L

(Pack-con female terminal, 2 pcs.)

M

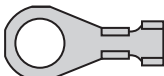
(56 series double female connector, 1 pc.)

P

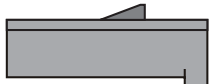
(small ring terminal for larger gauge wire, 2 pcs.)

R

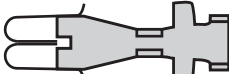
(small rubber sleeve, 2 pcs.)

T

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

U

(56 series single female connector, 2 pcs.)

Y

(Pack-con female terminal, 4 pcs.)

AA

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

GG

(wiper motor park switch wire, 1 pc.)

HH

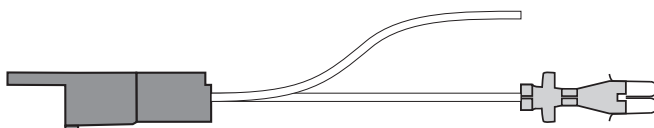
(Coil-->Tach wire, 1 pc.)

JJ

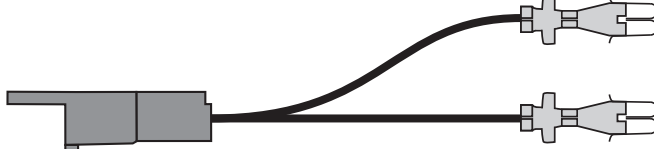
(electric choke wire, 1 pc.)

KK

(alternator ign wire, 1 pc.)

LL

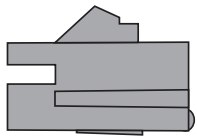
(wiper feed extension, 1 pc.)

MM

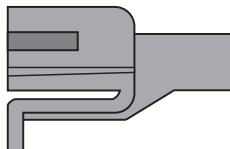
(wiper low-speed extension, 1 pc.)

NN

(Pack-con male terminal, 2 pcs.)

PP

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

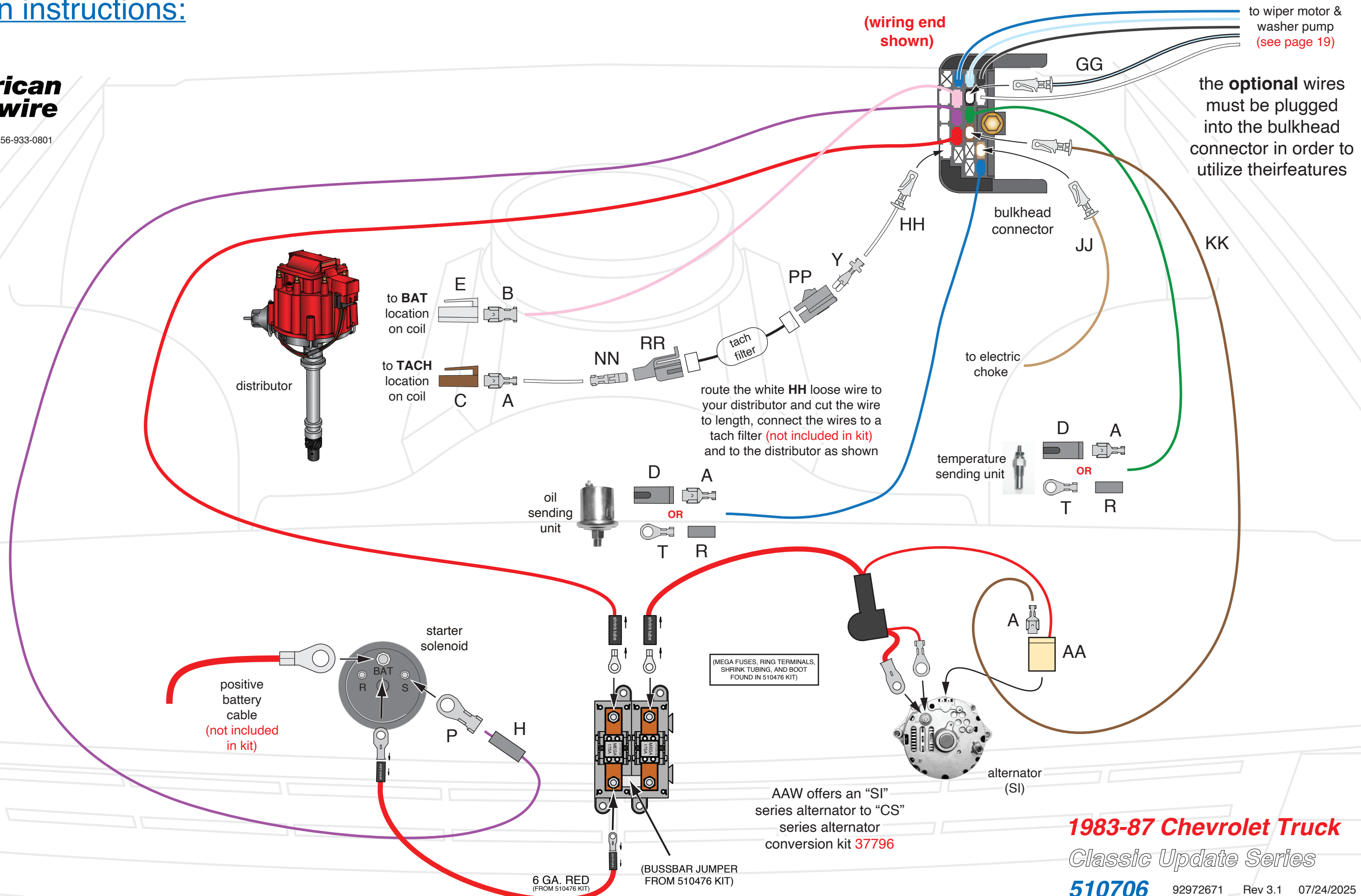
RR

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





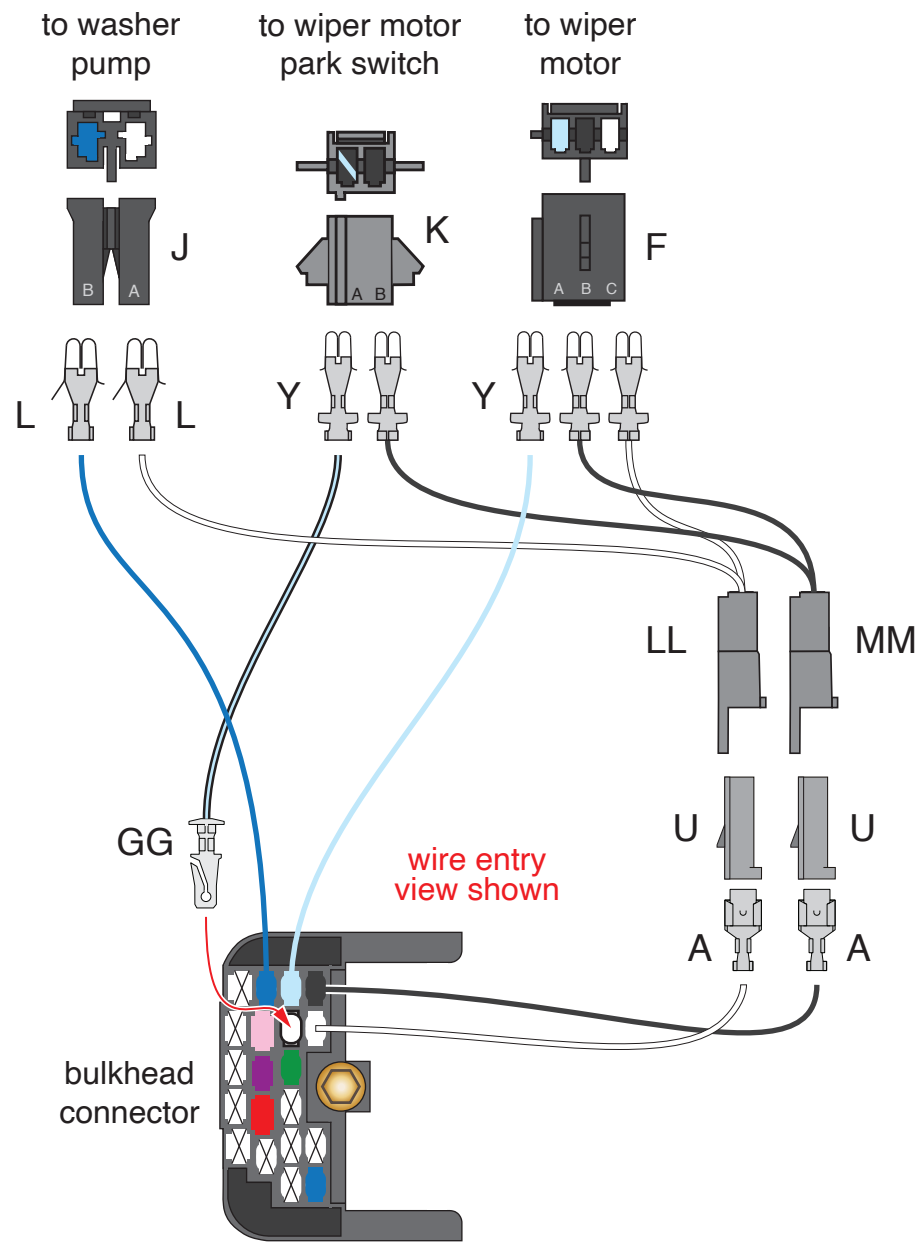
Engine harness  
installation instructions:





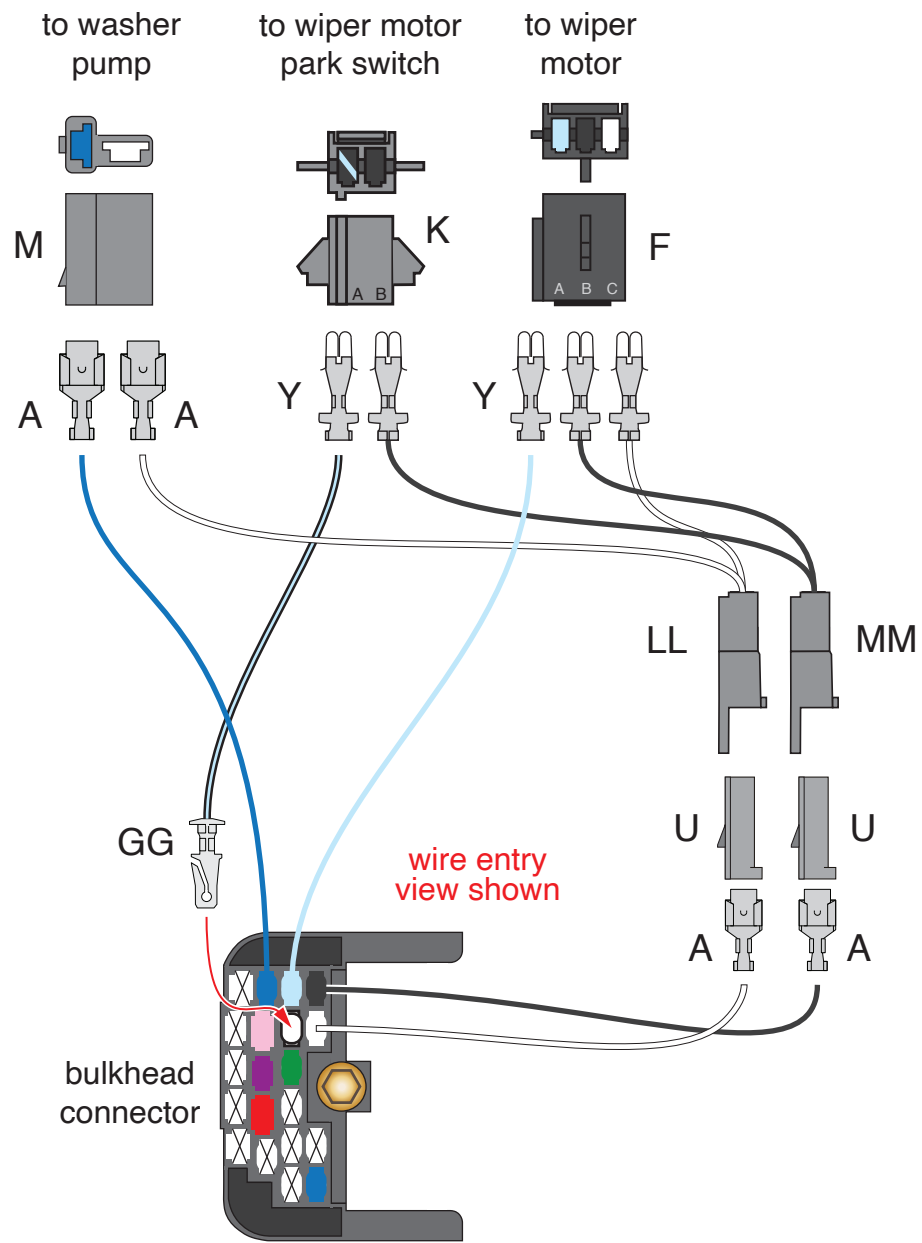
# Engine harness installation instructions:

## Wiper motor & washer pump wiring:



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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.



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