



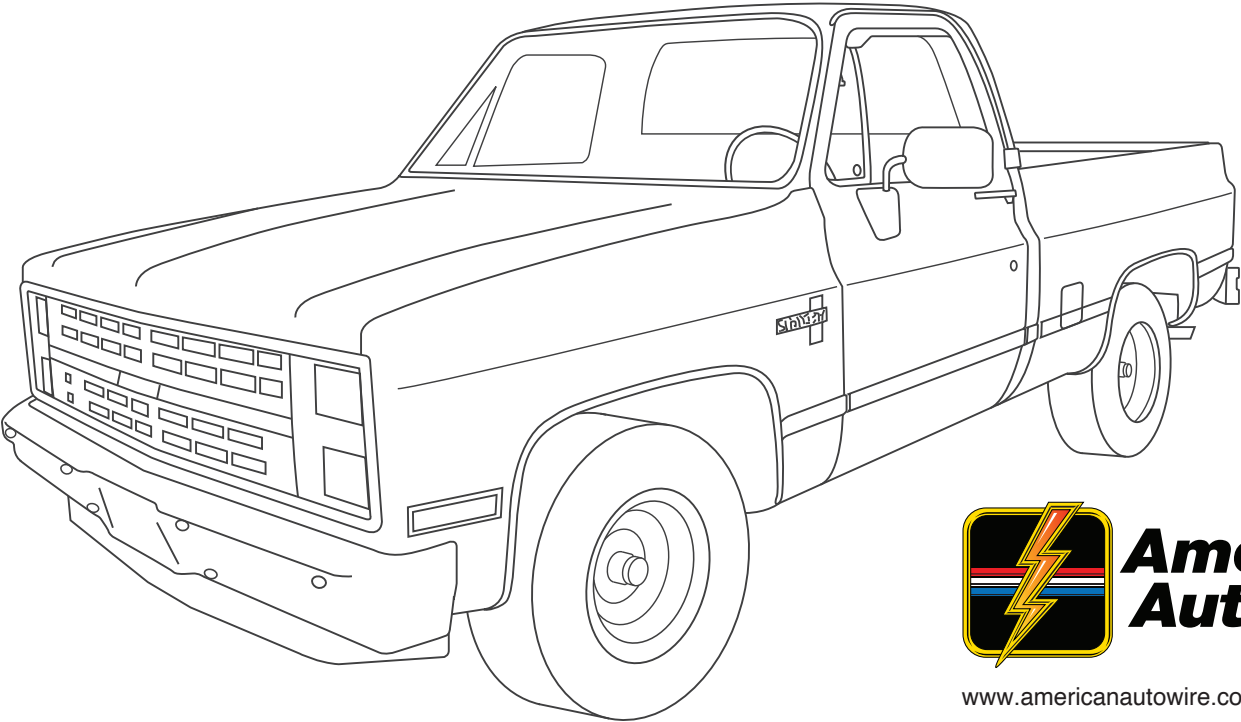
WARNING:

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.



**American
Autowire**

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510706 - Classic Update Series Kit
1983-87 Chevrolet Truck

This kit contains the following components:

Part 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.



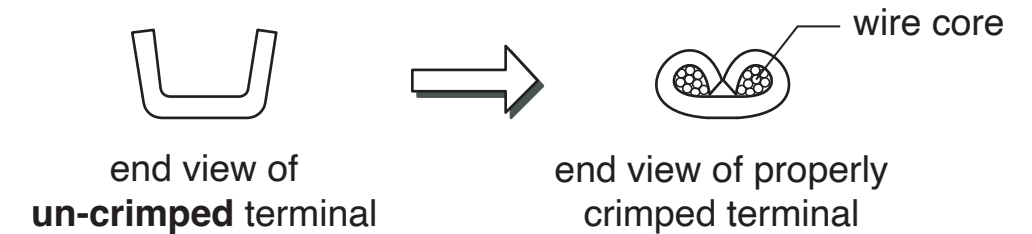
AAW offers a great terminal crimping video entitled "Proper Crimping Video". It can be viewed by visiting YouTube.

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

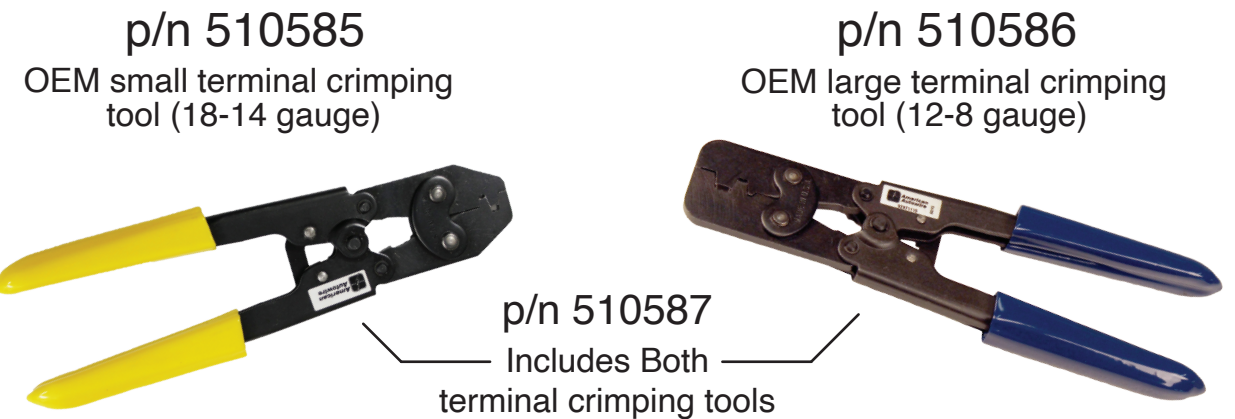
Youtube Channel:
www.youtube.com/user/WiringHarness



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:

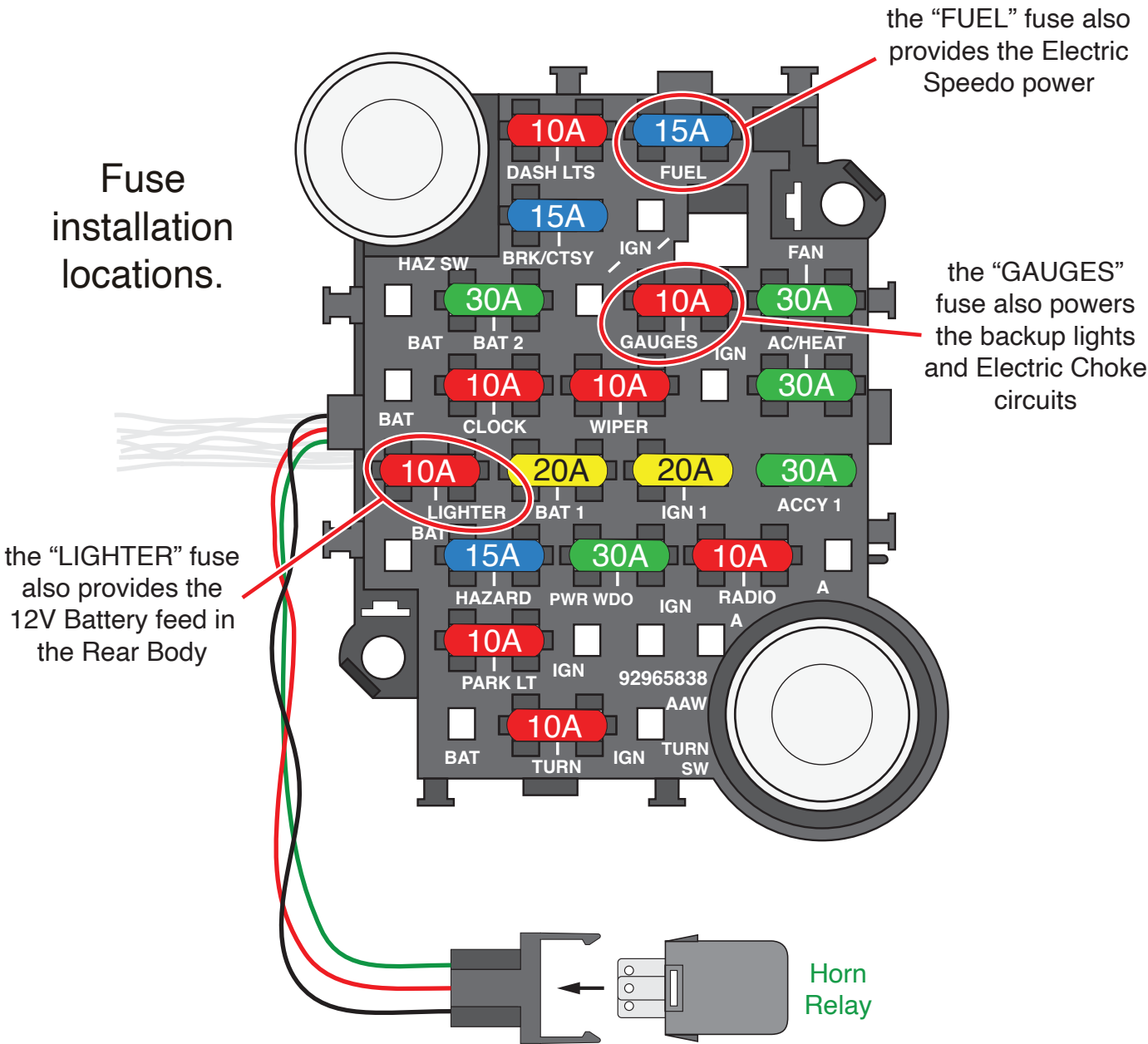
Table of Contents:

<u>Bags:</u>	<u>Pages:</u>	<u>Sections:</u>
G	4 - 7	Dash Harness - This is the main harness in the kit and contains: - Wiper switch connections. - Neutral safety switch connections. - Turn Signal switch connections. - Courtesy light connections. - Dimmer switch connection. - Accessory connections.
H	8 - 10	Gauge Cluster Harness - This Harness contains: - Gauge connections for aftermarket and factory gauges.
M	11 - 13	Rear Body Harness - This Harness contains: - Tail light, turn signal, reverse light, and running light connections. - Third brake light and license plate lights connections. - Fuel Gauge Sender connection.
L	14 - 16	Front Light Harness - This Harness contains: - Headlight, turn signal, running light connections. - Electric fan relay trigger. - Brake fluid level wiring. - Horn connections. - Chassis ground.
J	17 - 19	Engine Harness - This Harness contains: - Temperature, oil pressure, tachometer wiring. - Ignition system. - Alternator connections. - Windshield washer connection. - Electric Choke connection. - Vehicle Speed Sensor (VSS) connections.



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

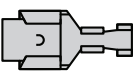
Prior to installing the Dash/Main harness in your dashboard, plug all of the fuses, Hazard Flasher and Turn Flasher into the Fuse Block (see detailed picture below) and the Horn Relay into this harness (see detailed picture below).



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



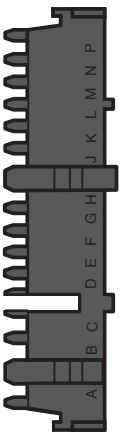
(56 series single female terminal, 10 pcs.)

B



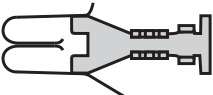
(male flat Pack-con terminal, 10 pcs.)

C



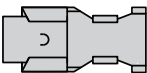
(Pack-con 14-way male conn, 1 pc.)

D



(female terminal, 7 pcs.)

E



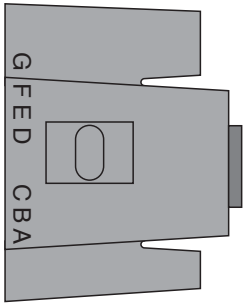
(56 series double female terminal, 2 pcs.)

F



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

G



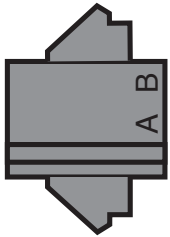
(Pack-con 7-way female conn, 1 pc.)

K



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

L



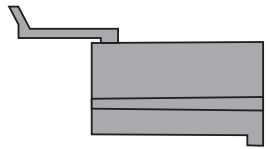
(Pack-con double female conn, 1 pc.)

N



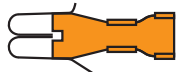
(56 series double female conn, 1 pc.)

P



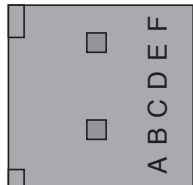
(56 series double female conn, 1 pc.)
This connector has not been supplied. You must re-use your original.

R



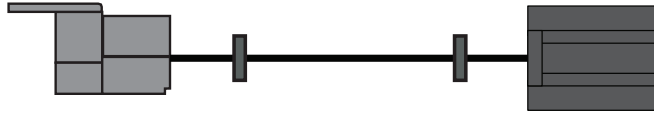
(Pack-con female terminal, 8 pcs.)

T



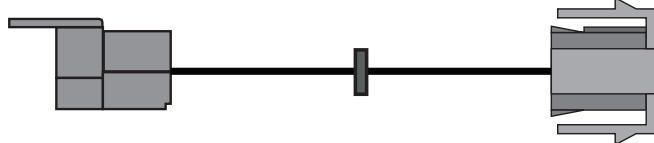
(Printed circuit 6-way female conn, 1 pc.)
This connector has not been supplied. You must re-use your original.

U



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

V



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

W



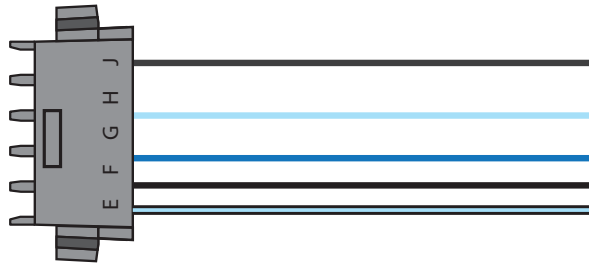
(neutral safety switch auto trans extension - reference, 1 pc.)

Y



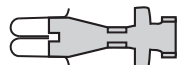
(neutral safety switch jumper - reference, 1 pc.)

AA



(wiper switch extension - reference, 1 pc.)

BB



(Pack-con female terminal, 3 pcs.)

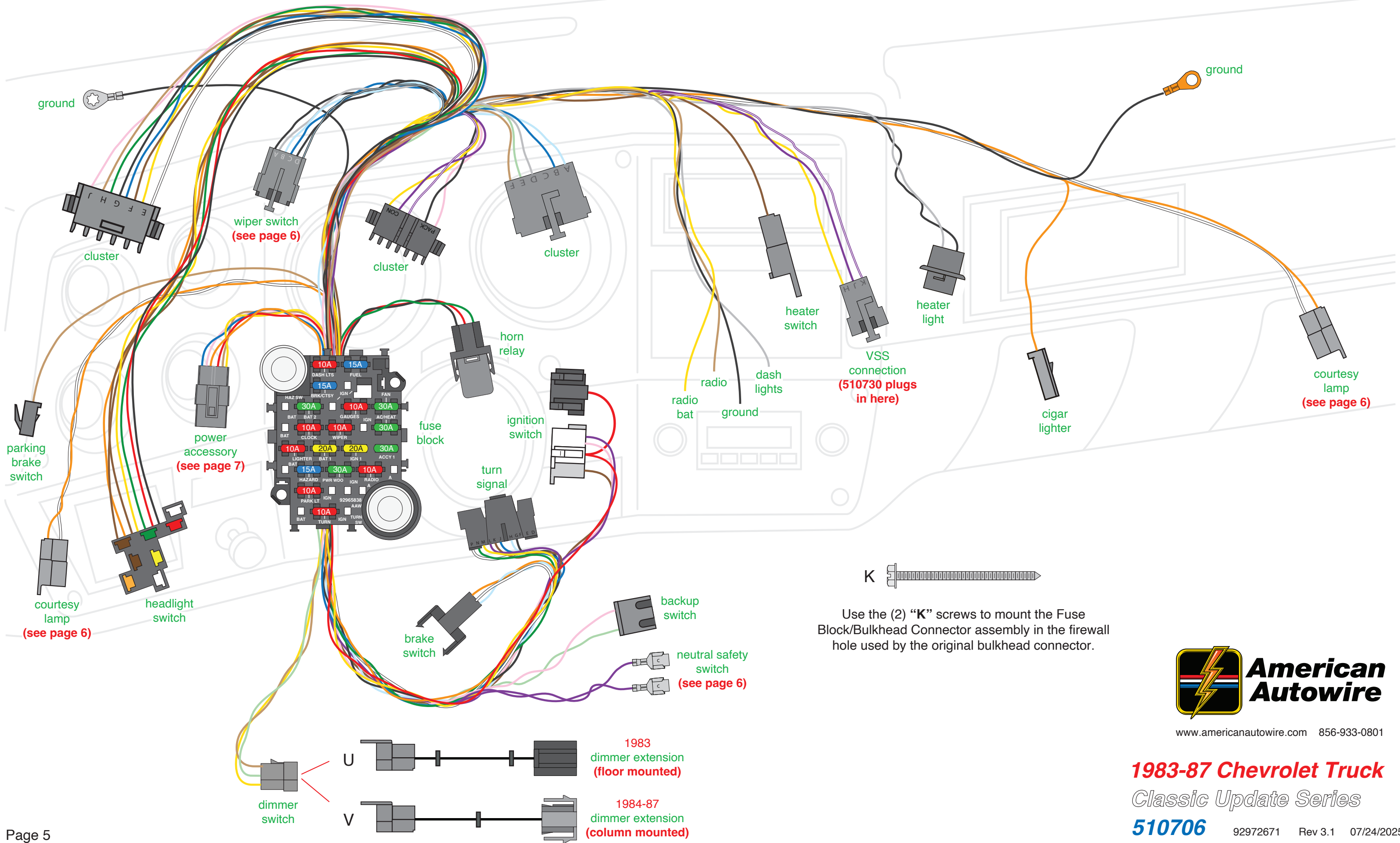
CC



(gray dash lights wire, 1 pc.)



Dash/Main harness installation instructions:



Use the (2) "K" screws to mount the Fuse Block/Bulkhead Connector assembly in the firewall hole used by the original bulkhead connector.



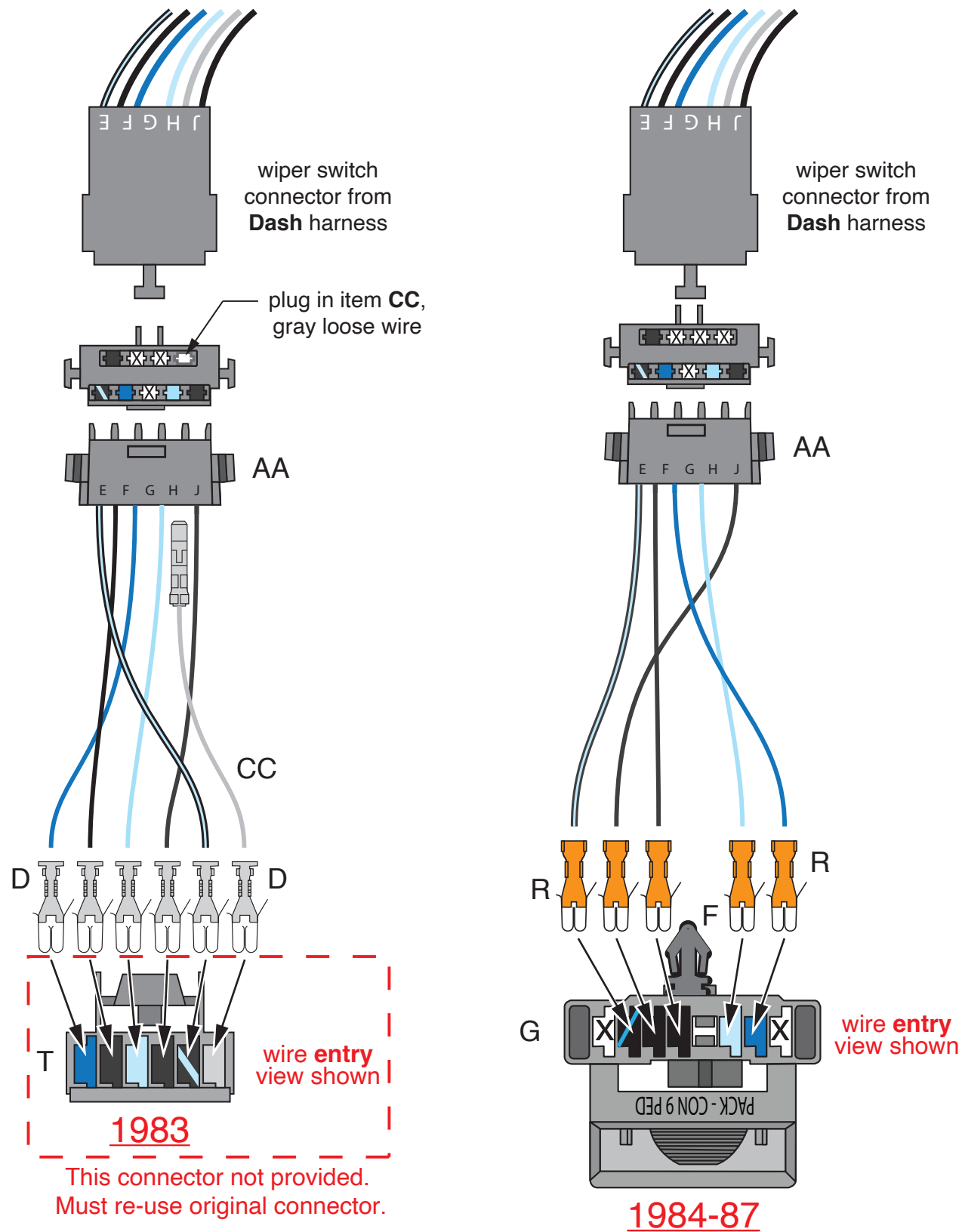
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Dash/Main harness installation instructions:

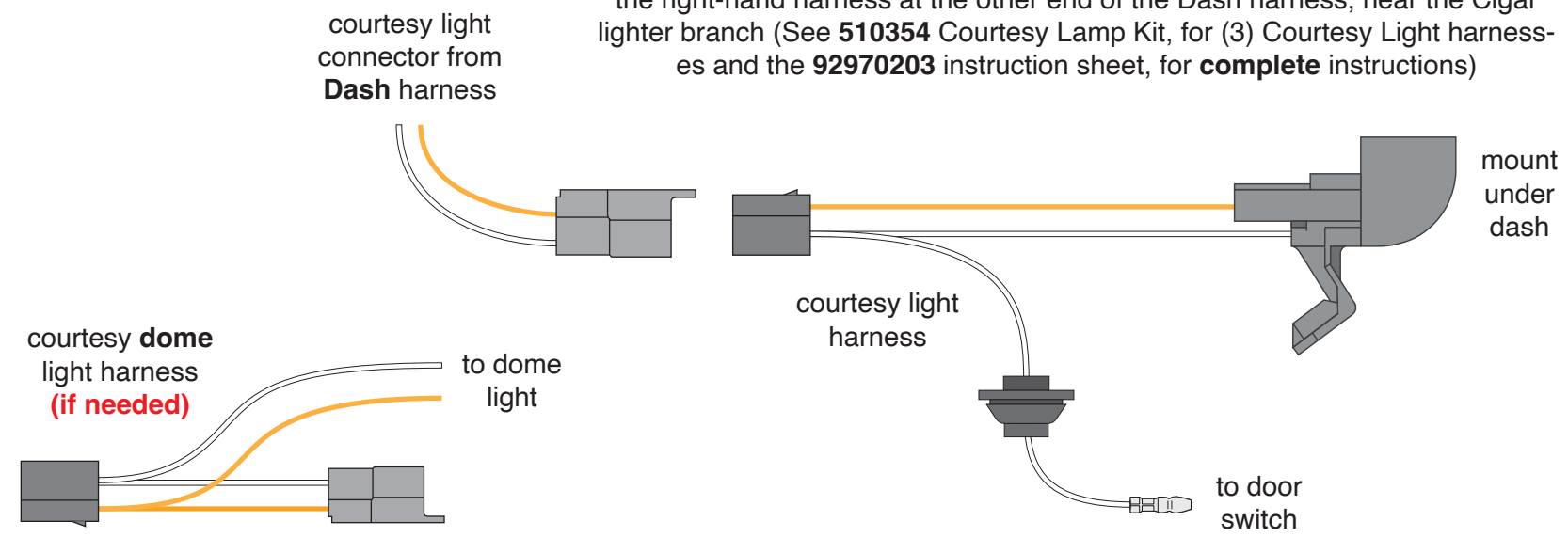
Wiper switch wiring:

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.

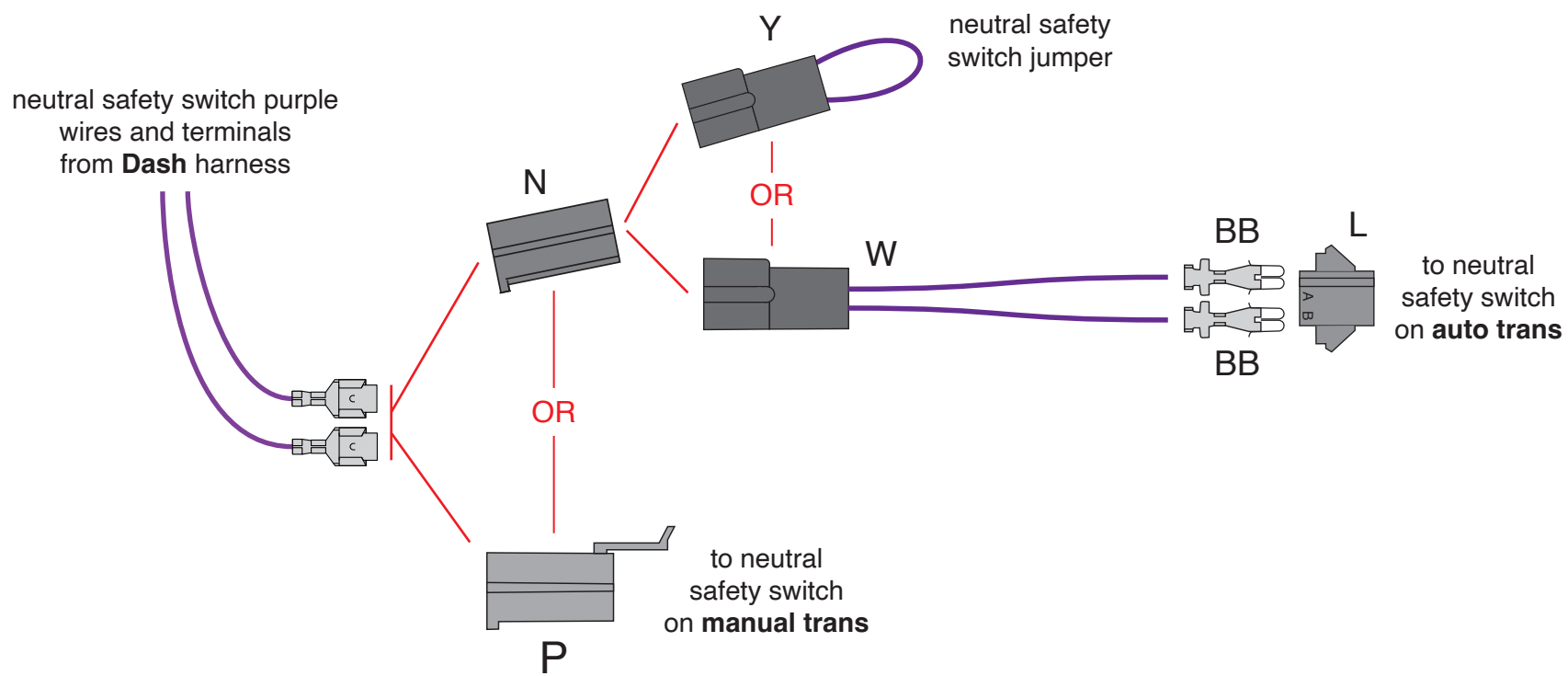


Courtesy light wiring (all years):

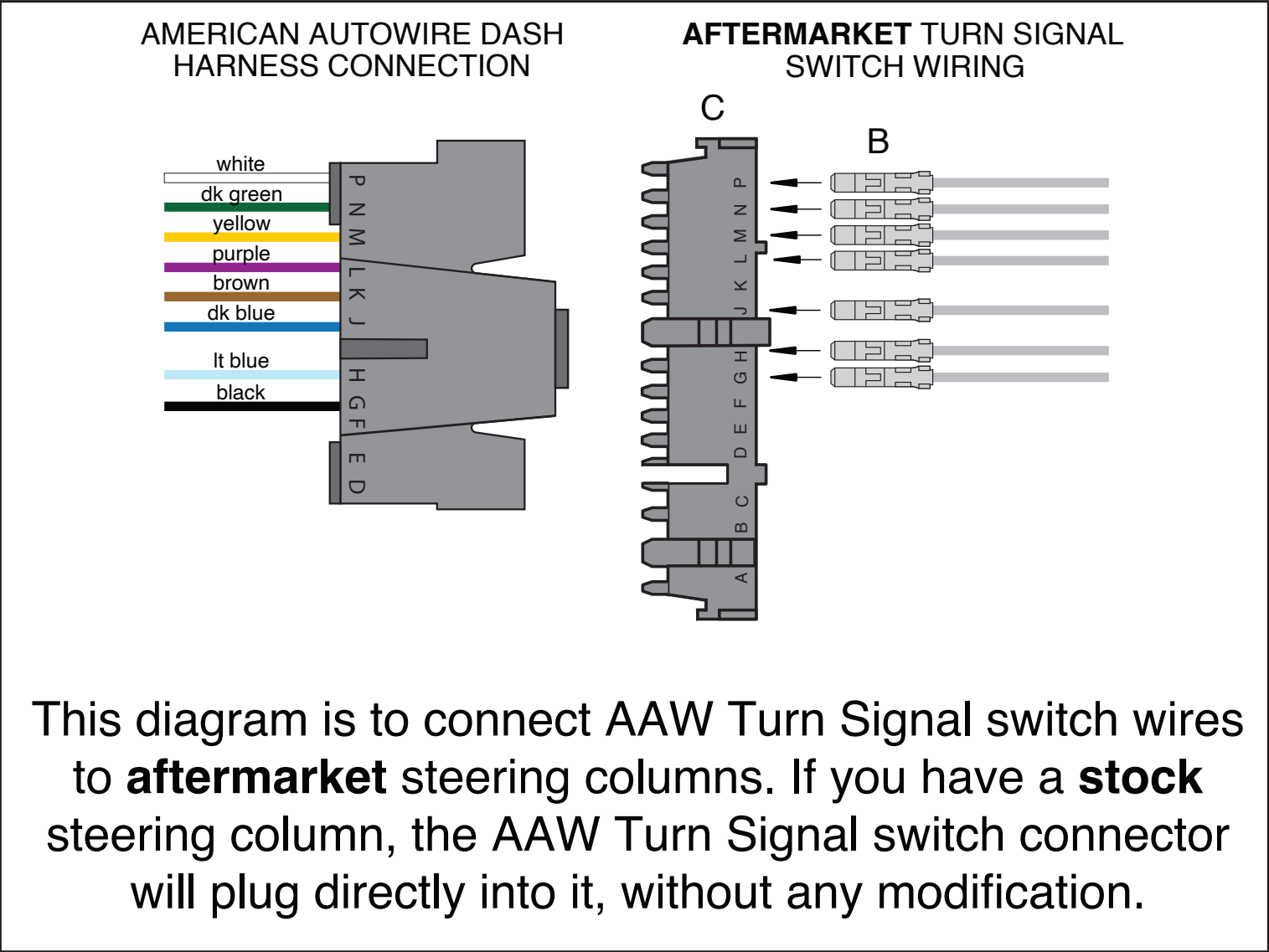
Connect the (2) courtesy light harnesses (3 harnesses, if you have dome lights) to the courtesy light connectors from the Dash harness: the left-hand harness at the same branch as the Parking Brake switch and Horn relay connector and the right-hand harness at the other end of the Dash harness, near the 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

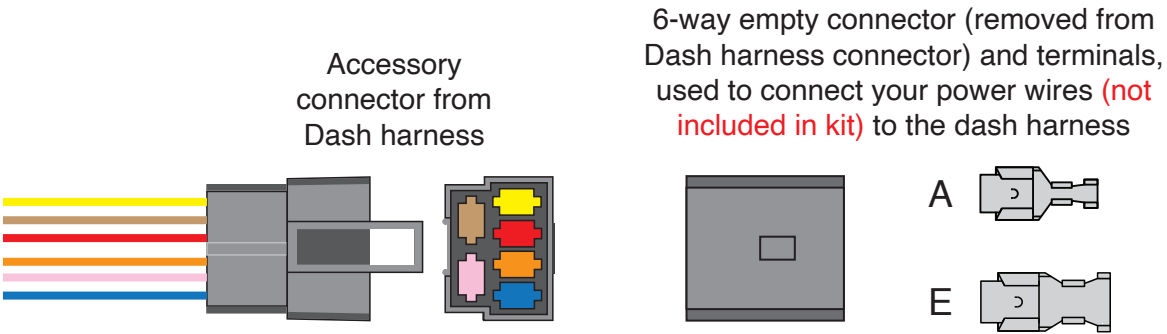
Remove the **aftermarket** Turn Signal switch Connector and replace it with the AAW 14-way connector “C”. Crimp on terminal “B” to each of the original Turn Signal switch wires and plug them into connector “C” (see Parts Kit **92971987**).

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.

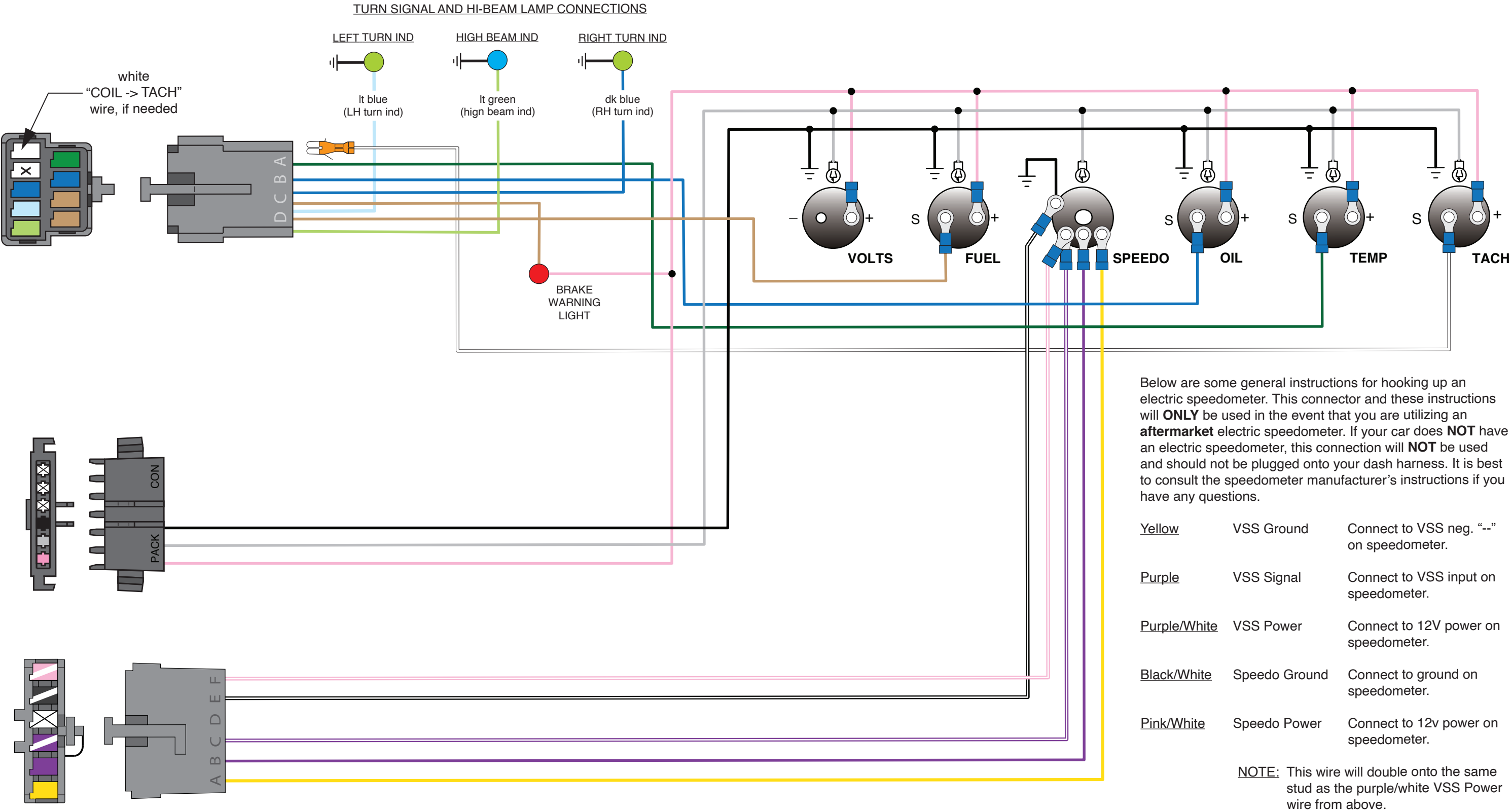
Accessory Connector

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:

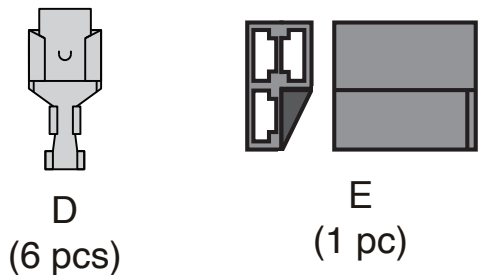
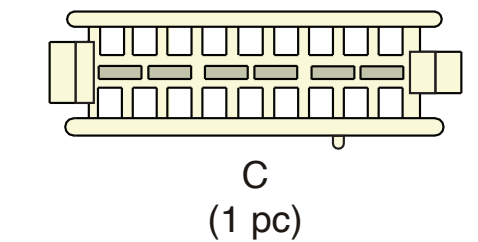
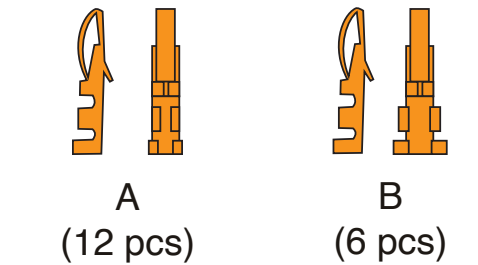
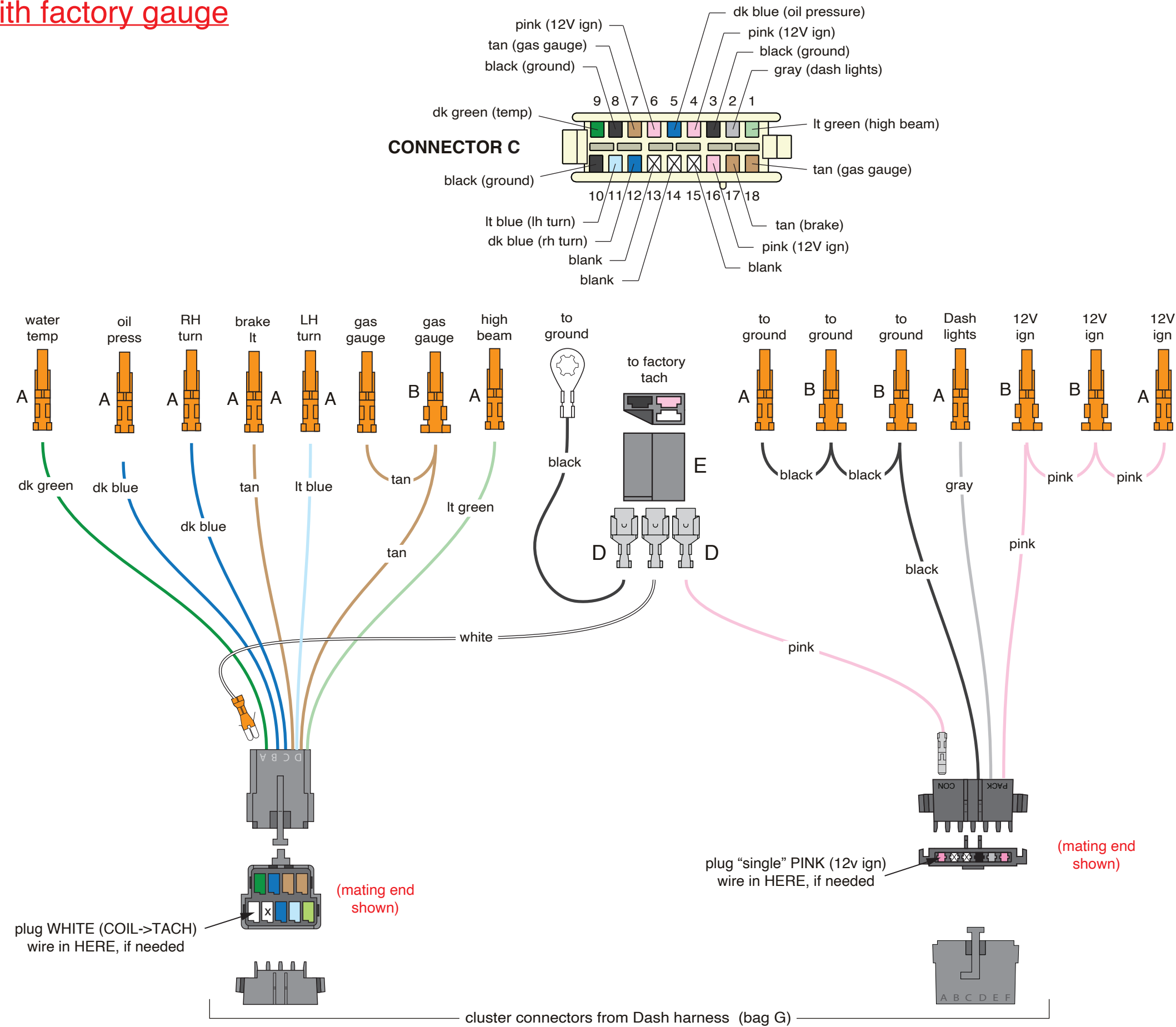


See pages 9-10 for stock dash cluster

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Instrument Cluster harness installation instructions:

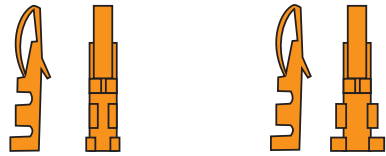
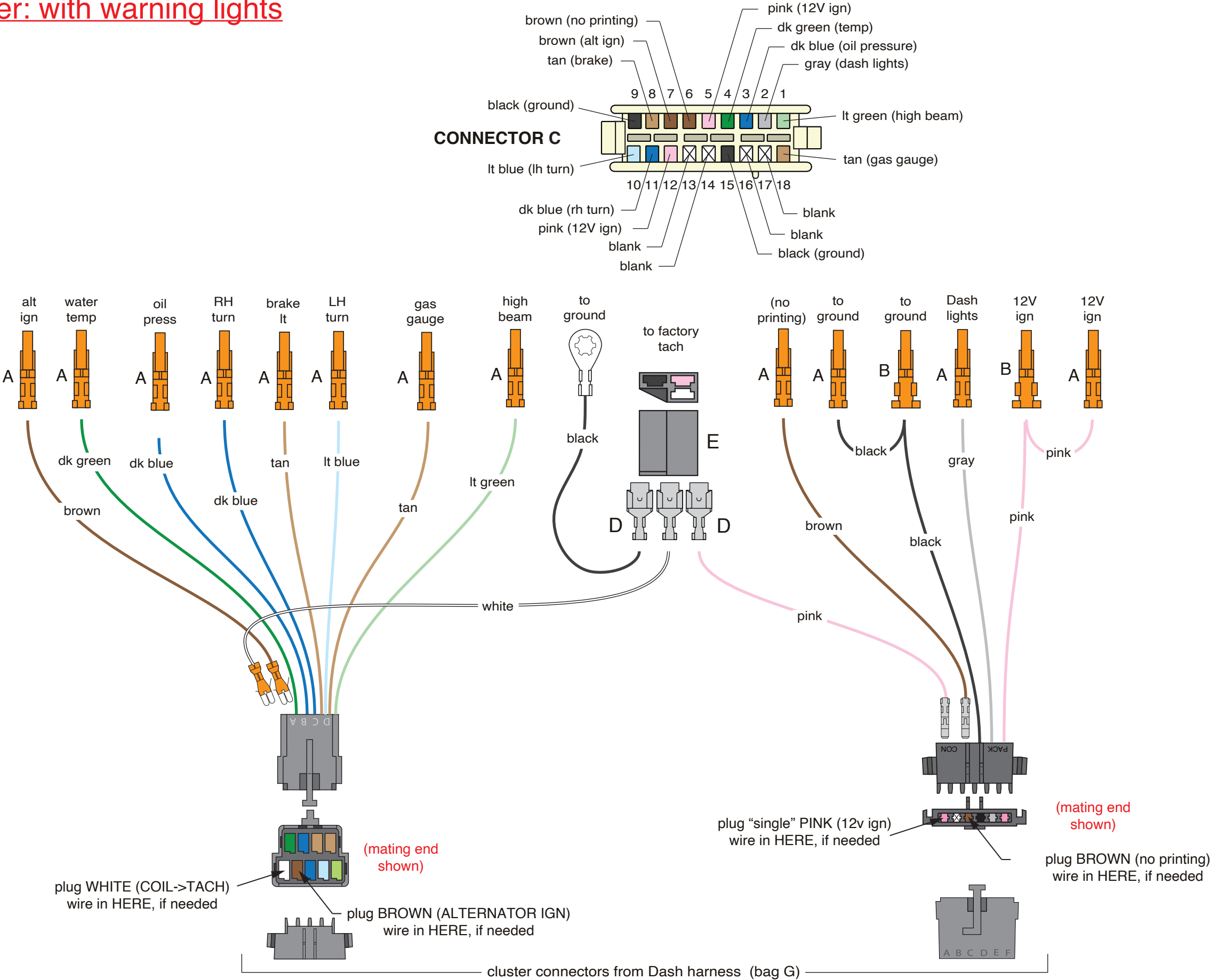
Cluster: with factory gauge



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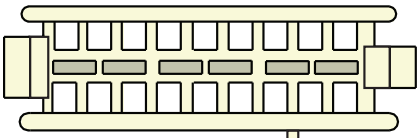
Instrument Cluster harness installation instructions:

Cluster: with warning lights

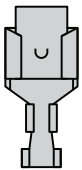


A
(12 pcs)

B
(6 pcs)



C
(1 pc)



D
(6 pcs)



E
(1 pc)



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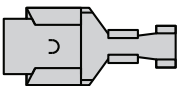
Classic Update Series

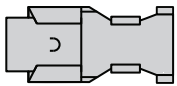
510706

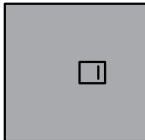
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Rear Body harness installation instructions:

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.)

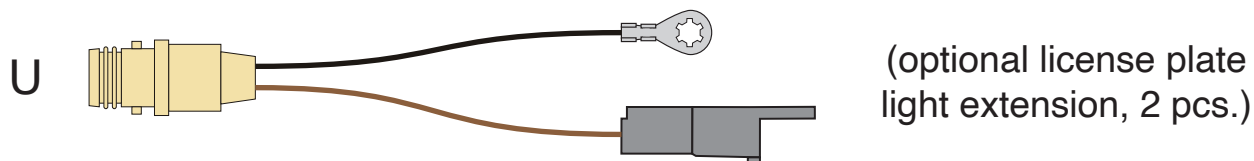
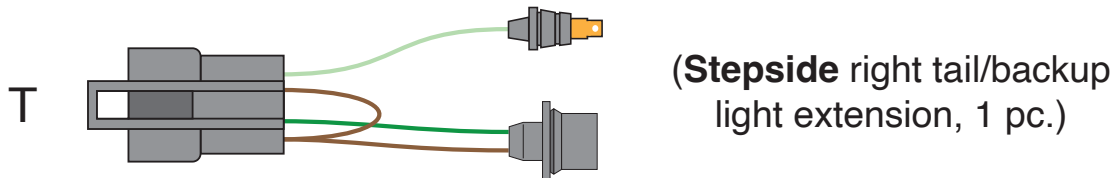
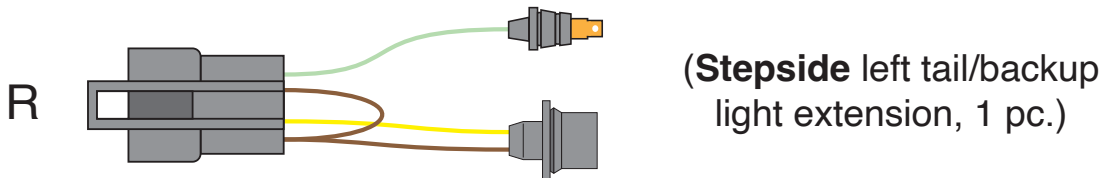
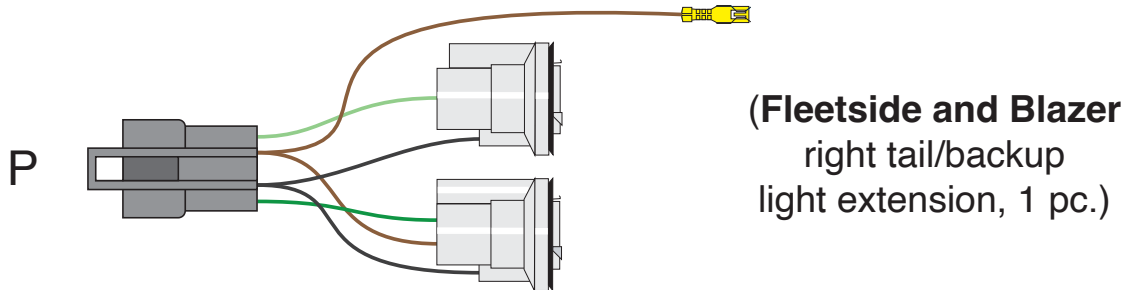
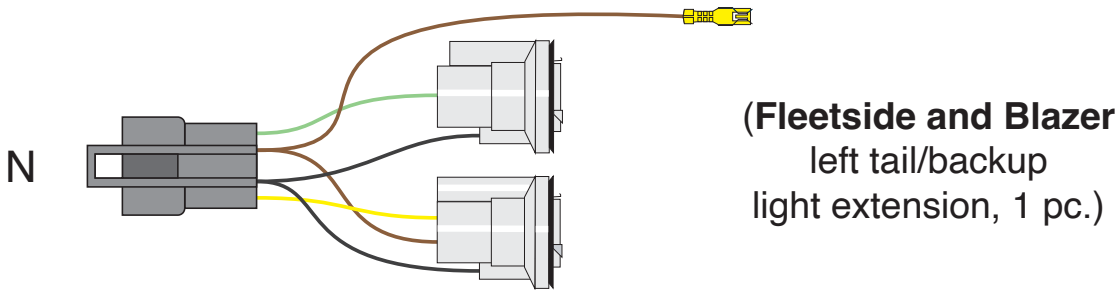
H  (12V Battery - Fused, 1 pc.)

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

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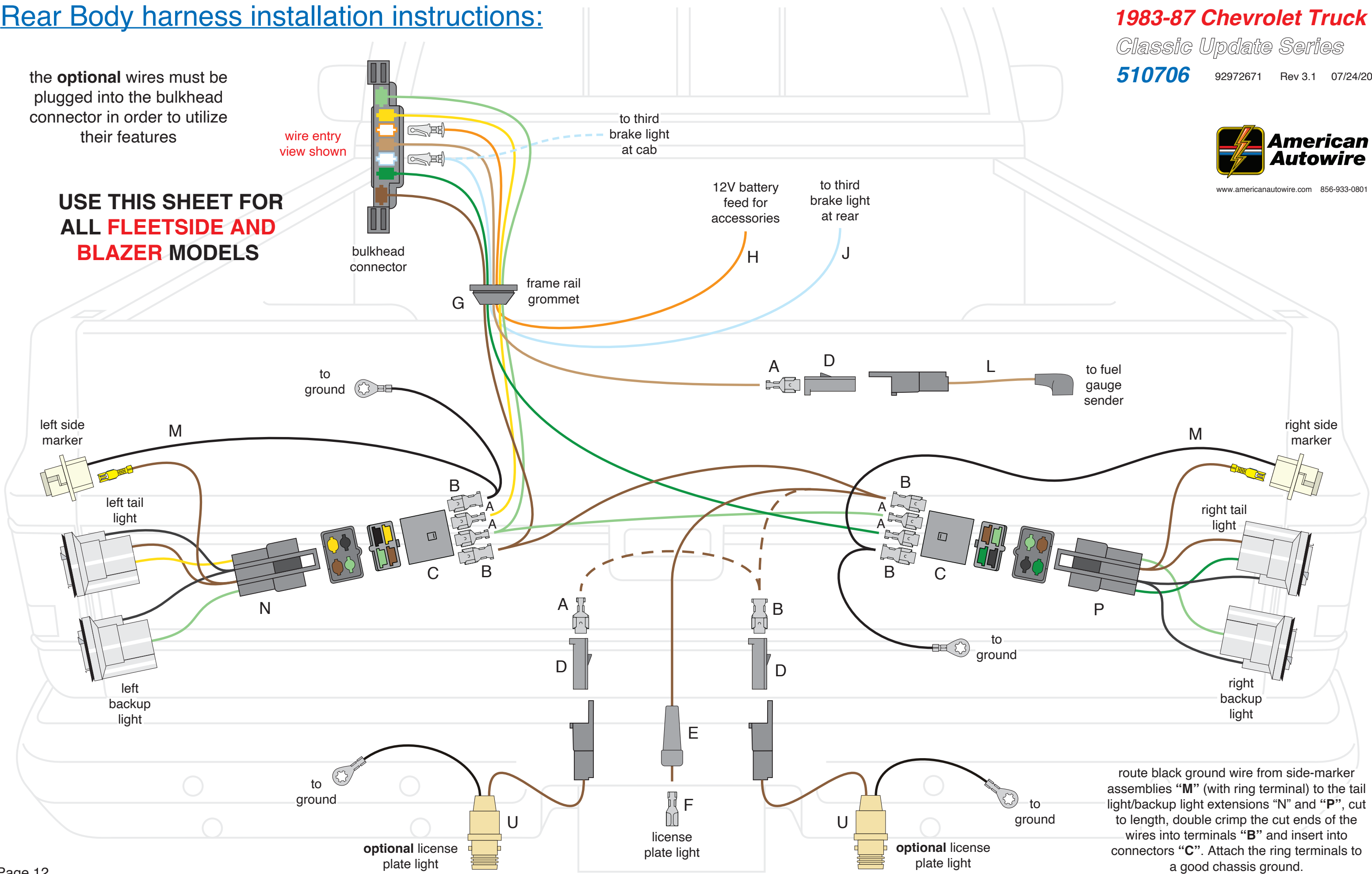
Rear Body harness installation instructions:

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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



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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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

K

right backup light

T

B

C

right tail light

USE THIS SHEET FOR ALL **STEPSIDE** MODELS

E

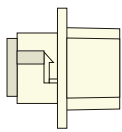
license plate light

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



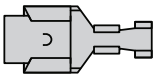
(light socket, 2 pcs.)
- B



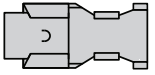
(56 series double female connector, 2 pcs.)
- C



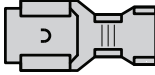
(56 series single female grommet, 1 pc.)
- D



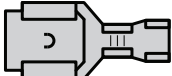
(56 series single female terminal, 6 pcs.)
- E



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

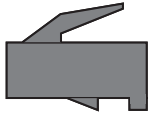


(59 series double female terminal, 9 pcs.)
- G

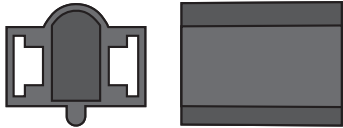


(59 series single female terminal, 5 pcs.)

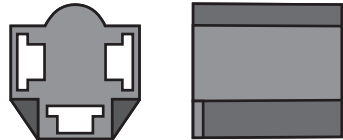
- H



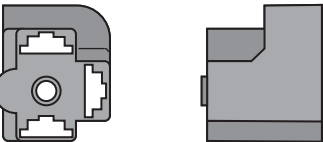
(56 series single female connector, 2 pcs.)
- J



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



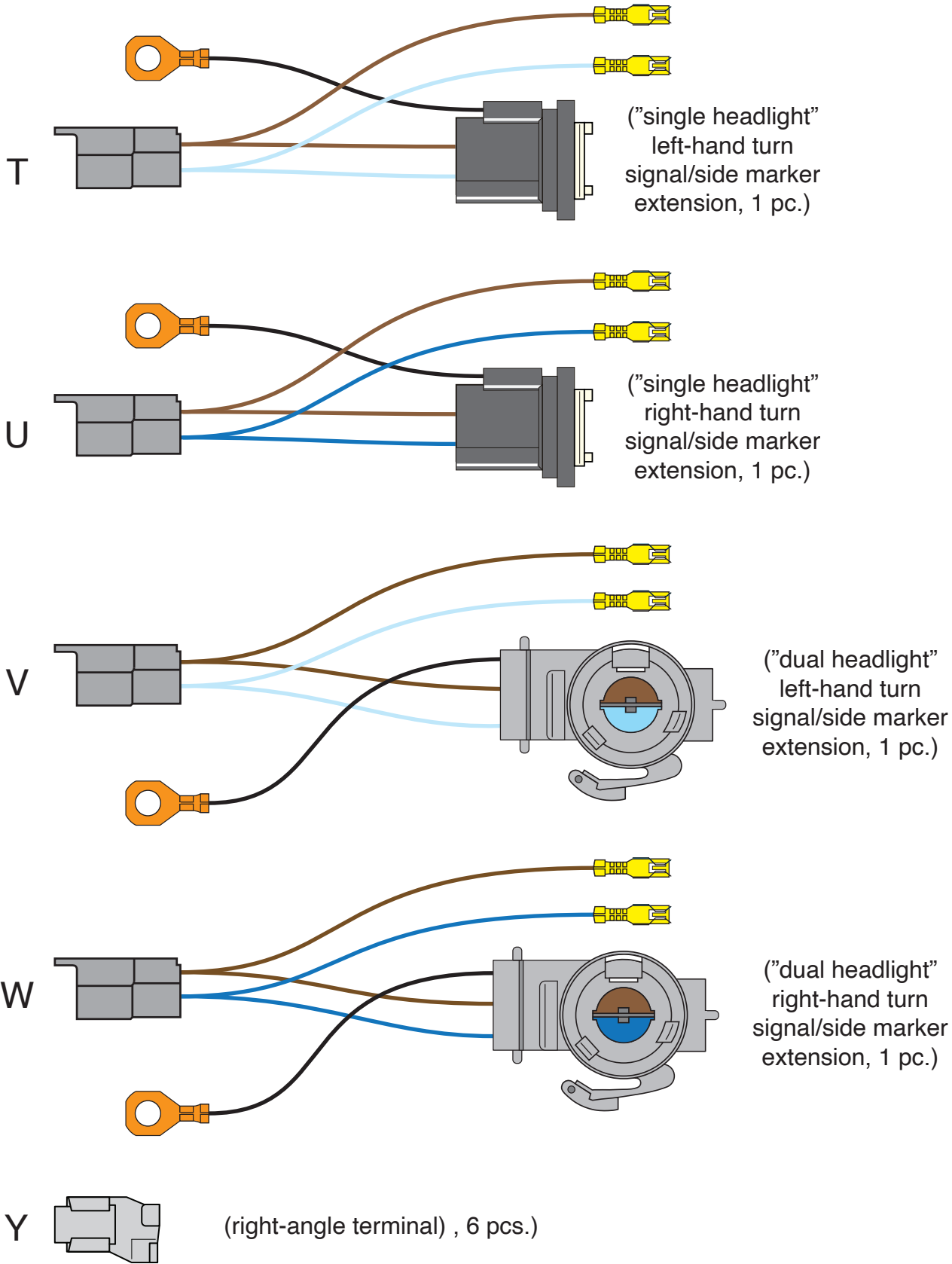
(chassis ground, 1 pc.)
- P



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



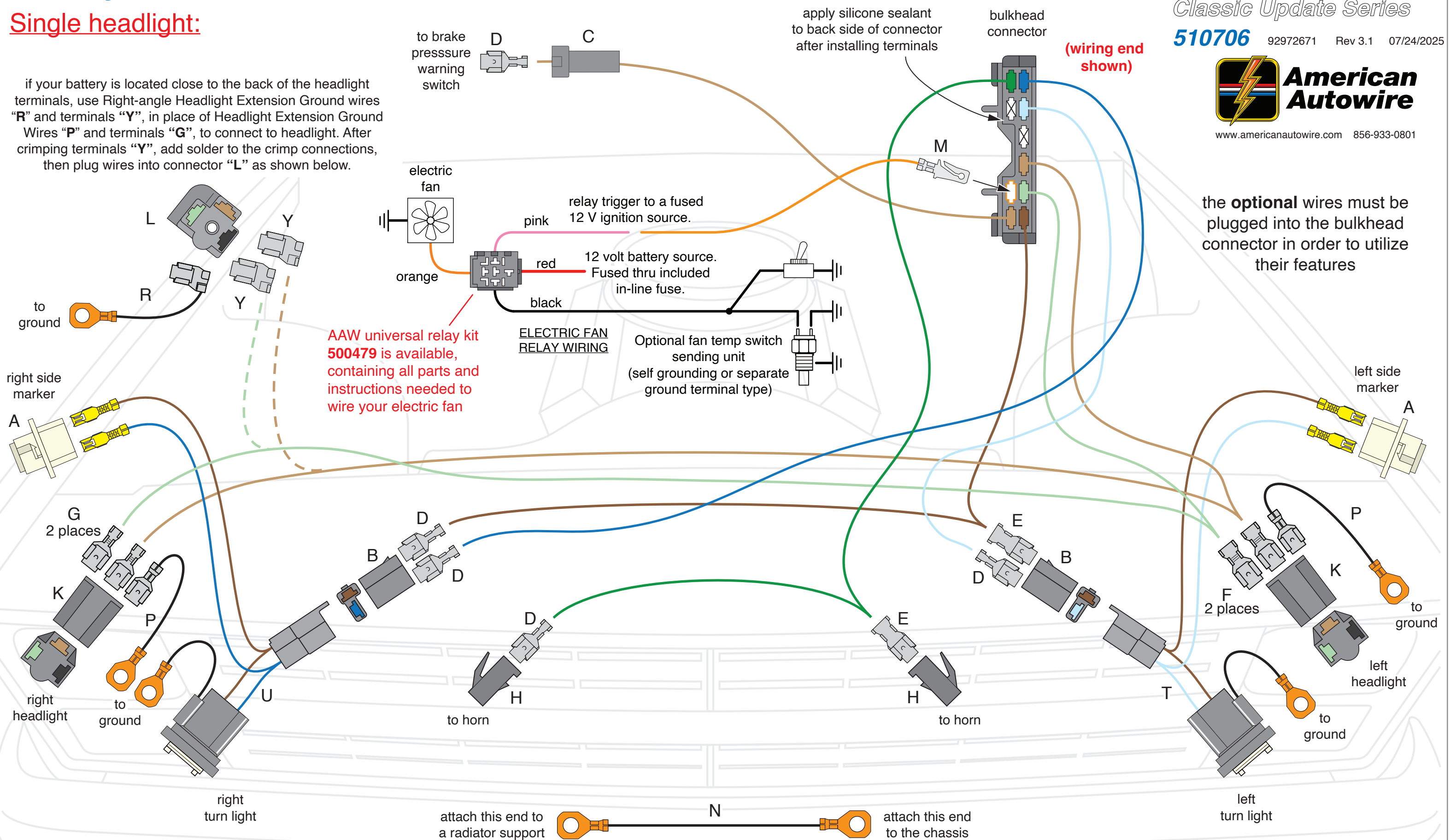
(right-angle headlight extension ground wires, 2 pcs.)



Front Light harness installation instructions:

Single headlight:

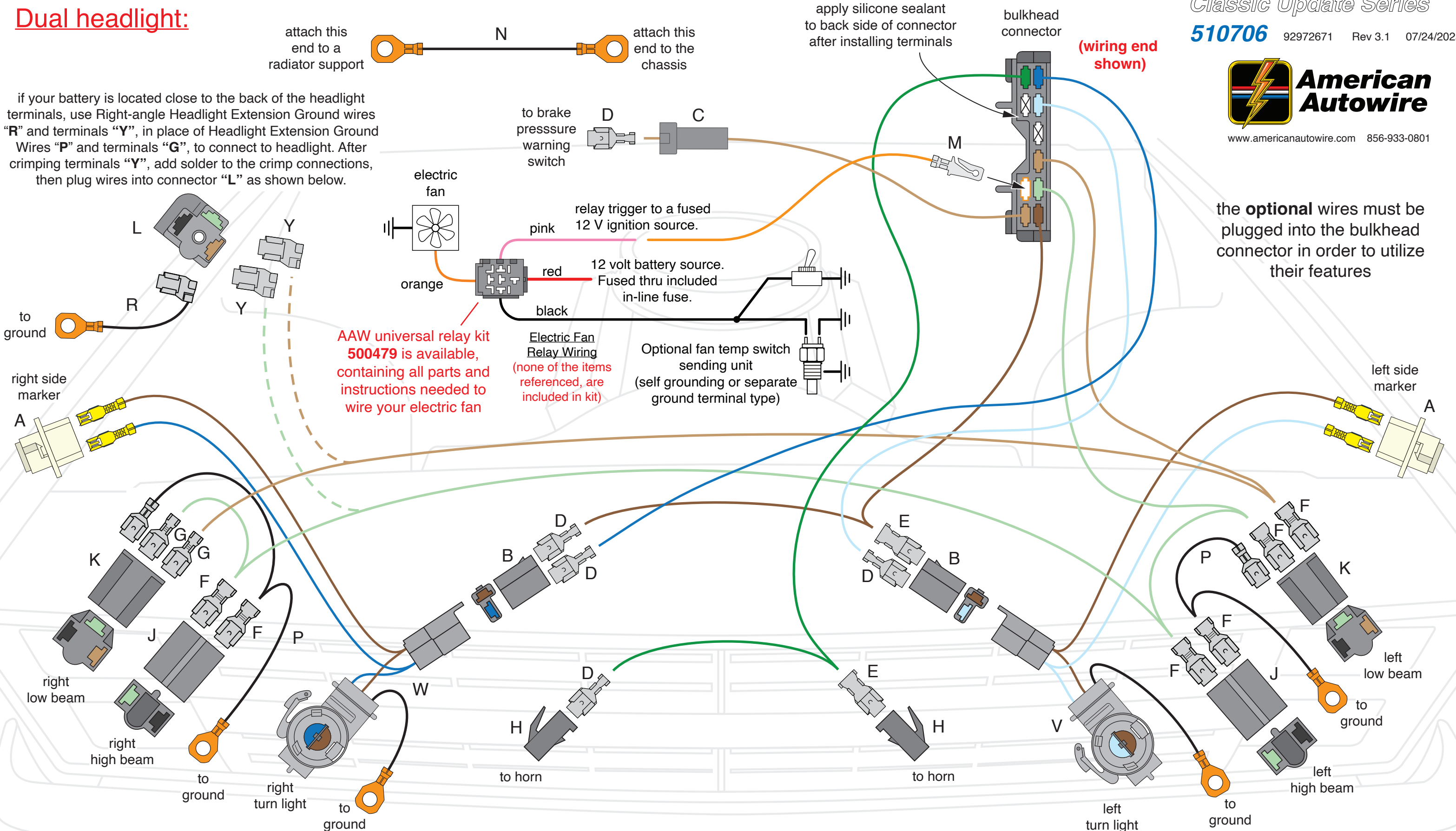
if your battery is located close to the back of the headlight terminals, use Right-angle Headlight Extension Ground wires "R" and terminals "Y", in place of Headlight Extension Ground Wires "P" and terminals "G", to connect to headlight. After crimping terminals "Y", add solder to the crimp connections,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



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.



1983-87 Chevrolet Truck

Classic Update Series

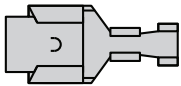
510706 92972671 Rev 3.1 07/24/2025



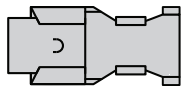
route black ground wire from connectors "P" (with ring terminal) to the high beam light connectors "J", cut to length, double crimp the cut ends of the wire into terminals "F" and insert into connectors "J". Attach the ring terminals to a good chassis ground.

Engine harness installation instructions:

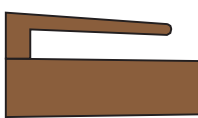
Shown below, are the supplied misc. terminals, sleeves, plastic connector bodies and wires, that will be used to complete your Engine harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Engine instruction set.

A

(56 series single female terminal, 11 pcs.)

B

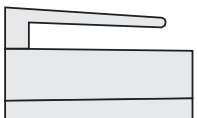
(56 series double female terminal, 3 pcs.)

C

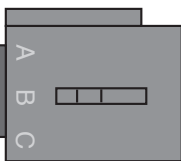
(56 series single female connector, 1 pc.)

D

(56 series single female connector, 2 pcs.)

E

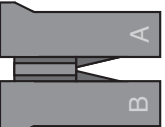
(56 series single female connector, 1 pc.)

F

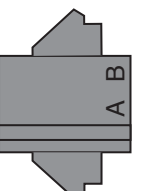
(Pack-con 3-way female connector, 1 pc.)

H

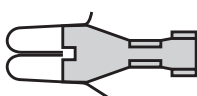
(large rubber sleeve, 1 pc.)

J

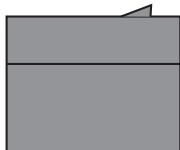
(Pack-con double female connector, 1 pc.)

K

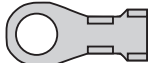
(Pack-con double female connector, 1 pc.)

L

(Pack-con female terminal, 2 pcs.)

M

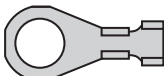
(56 series double female connector, 1 pc.)

P

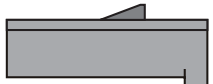
(small ring terminal for larger gauge wire, 2 pcs.)

R

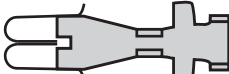
(small rubber sleeve, 2 pcs.)

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

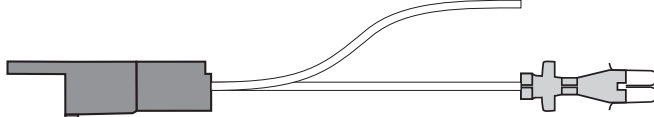
(Coil-->Tach wire, 1 pc.)

JJ

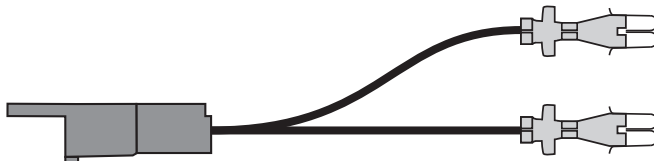
(electric choke wire, 1 pc.)

KK

(alternator ign wire, 1 pc.)

LL

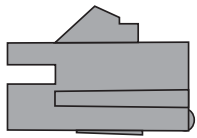
(wiper feed extension, 1 pc.)

MM

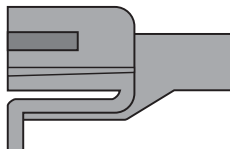
(wiper low-speed extension, 1 pc.)

NN

(Pack-con male terminal, 2 pcs.)

PP

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

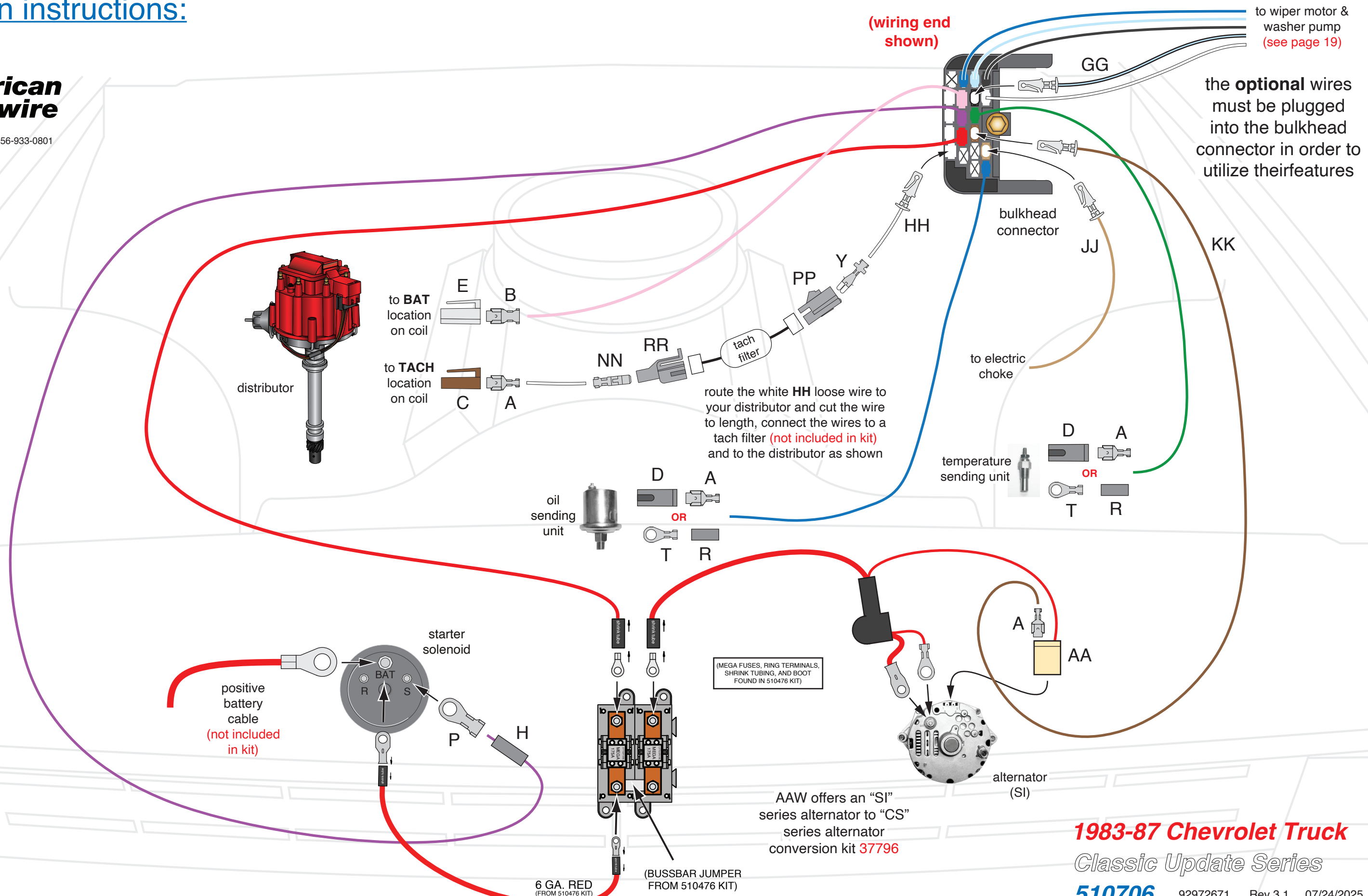
RR

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



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1983-87 Chevrolet Truck
Classic Update Series
510706 92972671 Rev 3.1 07/24/2025

Engine harness
installation instructions:



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

to wiper motor & washer pump (see page 19)

route the white HH loose wire to your distributor and cut the wire to length, connect the wires to a tach filter (not included in kit) and to the distributor as shown

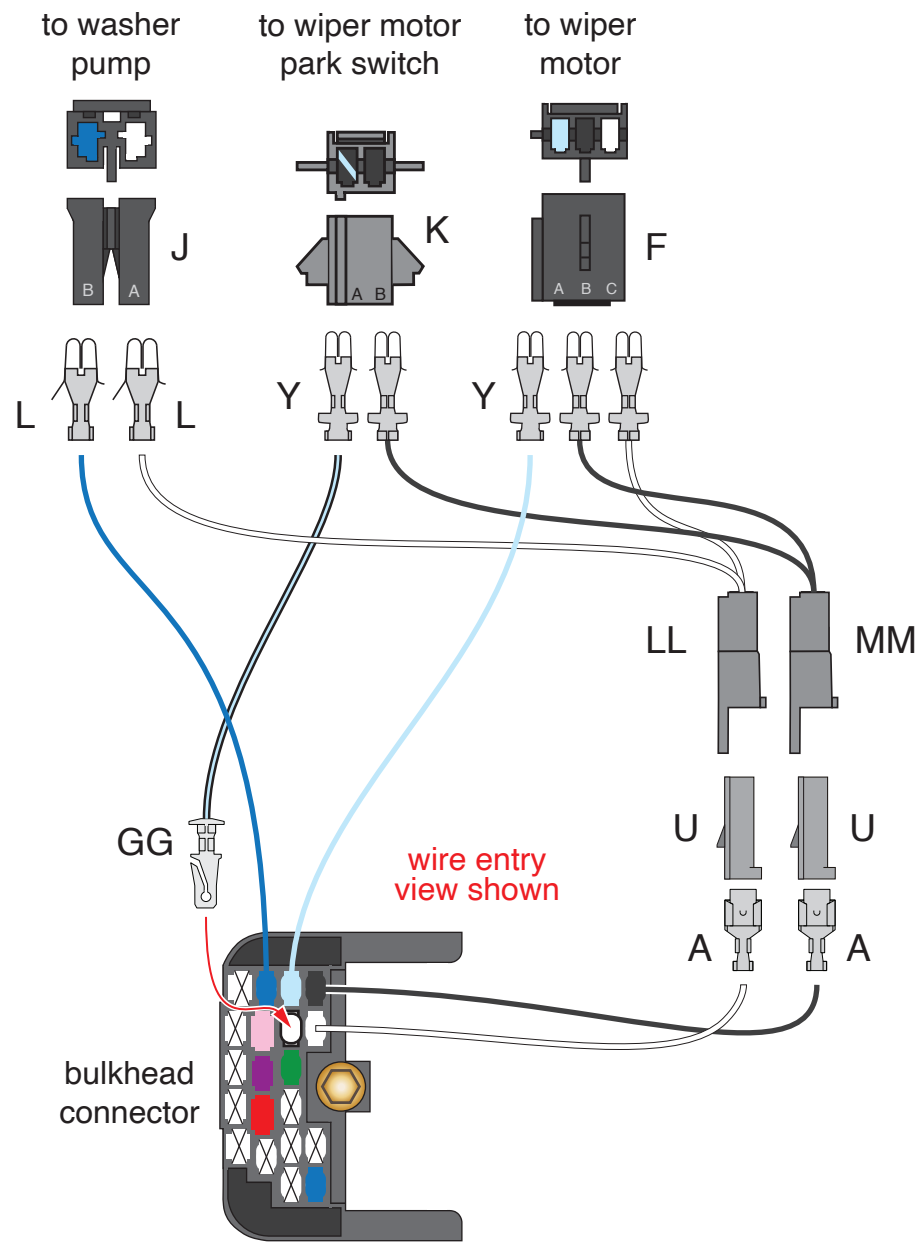
(MEGA FUSES, RING TERMINALS, SHRINK TUBING, AND BOOT FOUND IN 510476 KIT)

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

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Classic Update Series
510706 92972671 Rev 3.1 07/24/2025

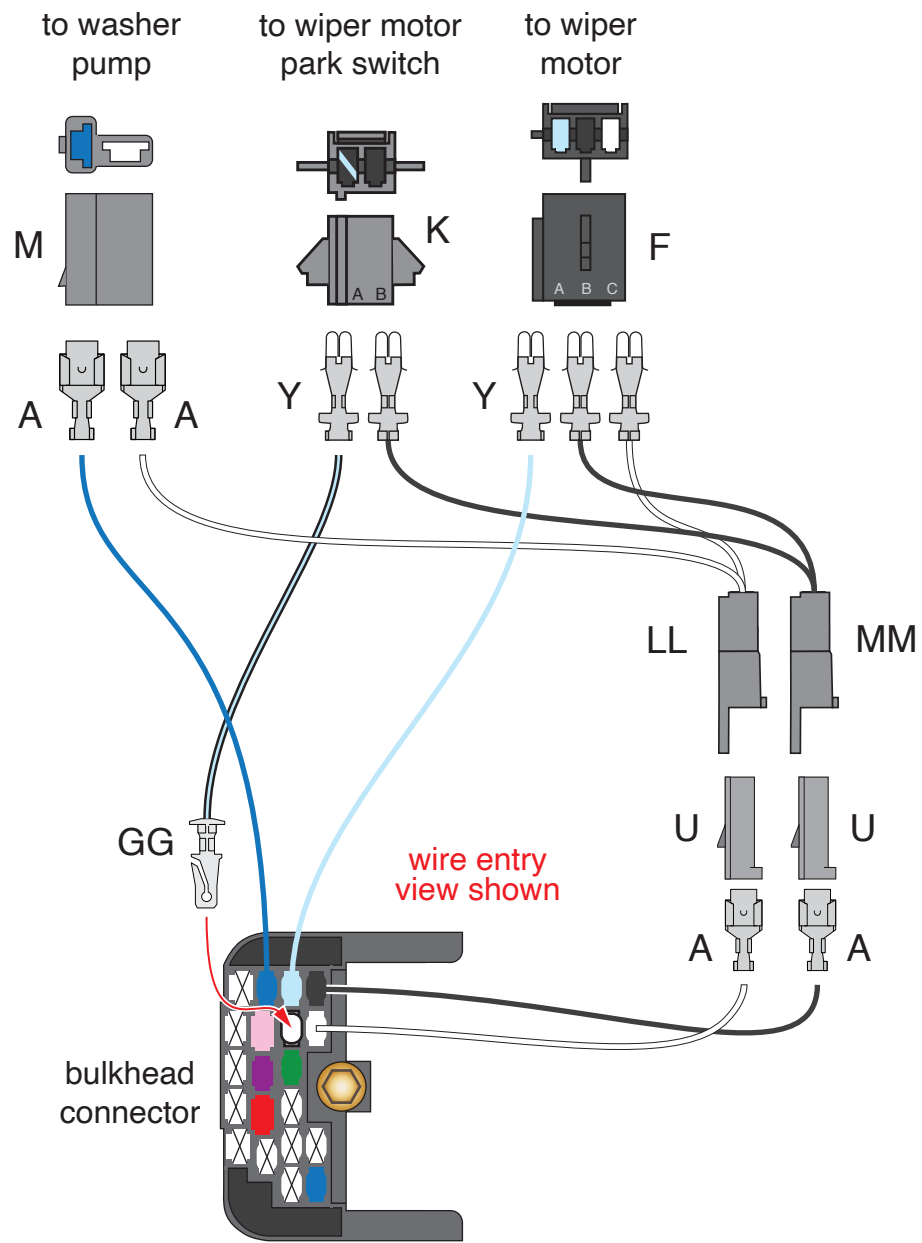
Engine harness installation instructions:

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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1983-87 Chevrolet Truck

Classic Update Series

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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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1983-87 Chevrolet Truck

Classic Update Series

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Before you begin:

Read the entire instruction sheet before starting. Ensure all components are present. If anything is missing, stop and contact American Autowire at 856-933-0801. Always disconnect the negative battery cable before beginning installation.

Fuse Block Mounting and Assembly:

- 1. Choose a mounting location close to the battery power source, under the hood, and secure the fuse block using mounting screws (not included) of your choice.
 - Ensure both the 12 ft. 6Ga. charging wire and the 10Ga. main power feed can reach this location. The 6Ga. charging wire will need to connect to the alternator, the megafuse block, and the starter/battery junction.
- 2. Detach the fuse block cover and remove the factory-installed nuts and lock washers from the studs.
- 3. Place the busbar jumper (Item “D”) across the designated studs.
 - Important: The jumper must be installed on the side that connects to your main power source (starter solenoid or battery junction).
- 4. Install one 175A megafuse (Item “C”) onto each fuse position in the block.
- 5. Reinstall the nuts and lock washers loose over the jumper and fuses.

Battery Feed Wiring:

Route the 6Ga. Charge Wire (Item “A”) from the mounted Megafuse Block (Item “B”) to the battery stud on the starter solenoid, or a similar battery junction, under the hood and cut to length. Cut the 3/8” Shrink Tubing into 1 inch lengths. Slide one of these smaller lengths over each end of the charge wire.

- **At the starter end:** Crimp and solder a 6Ga. Starter Ring Terminal (Item “G”) and then insulate the crimp with the previously installed shrink tube. Secure the newly crimped end to the battery stud on the starter solenoid or battery junction.
- **At the megafuse block end:** Crimp and solder a 6Ga. Megafuse Ring Terminal (Item “H”) and then insulate the crimp with the previously installed shrink tube. Attach the crimped end to the megafuse block on the **busbar** side of the fuses. Tighten securely.

Alternator Feed Wiring:

Route the remaining length of the 6Ga. Charge Wire (Item “A”) from the mounted Megafuse Block (Item “B”) to the battery stud on the alternator and cut to length. Slide one of the cut, 1 inch lengths of shrink tube (Item “F”) over the end of the charge wire closest to the megafuse block.

- **At the alternator end:** Slide the Alternator Boot (Item “E”) on the end of the wire. Crimp and solder a 6Ga. Alternator Ring Terminal (Item “J”) and secure the newly crimped end to the battery stud on the alternator.
- **At the megafuse block end:** Crimp and solder a 6Ga. Megafuse Ring Terminal (Item “H”) and then insulate the crimp with the previously installed shrink tube. Attach the crimped end to a fuse stud on the **side opposite the busbar**. Tighten securely.

Panel Feed Wiring:

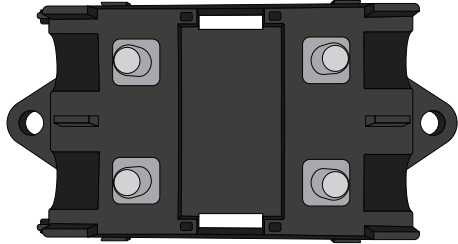
Locate the 10Ga. “12V Battery Feed” wire from the engine or panel subkit, route it to the Megafuse block, cut to length, and slide a piece of the cut shrink tubing (Item “F”) over the cut end. Crimp and solder a 10 GA. megafuse ring terminal (Item “K”) on the end and insulate the crimp with the shrink tubing. Attach to the remaining open fuse stud on the side **opposite the busbar**. Tighten securely.

Parts Legend:

- A



6 Gauge Charge Wire - QTY (1)
(144.0” Length)
- B



Megafuse Block - QTY (1)
(Lid not shown)
- C



175A Megafuse - QTY (2)
- D



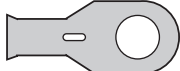
Megafuse Block Busbar - QTY (1)
- E



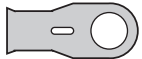
Alternator Boot - QTY (1)
- F



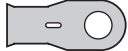
3/8” Shrink Tubing - QTY (1)
(8.0” Length)
- G



6Ga. Starter Ring Terminal - QTY (2)
Fits 3/8” Stud
- H



6Ga. Megafuse Ring Terminal - QTY (3)
Fits 5/16” Stud
- J



6Ga. Alternator Ring Terminal - QTY (2)
Fits 1/4” Stud
- K



10Ga. Megafuse Ring Terminal - QTY (2)
Fits 5/16” Stud



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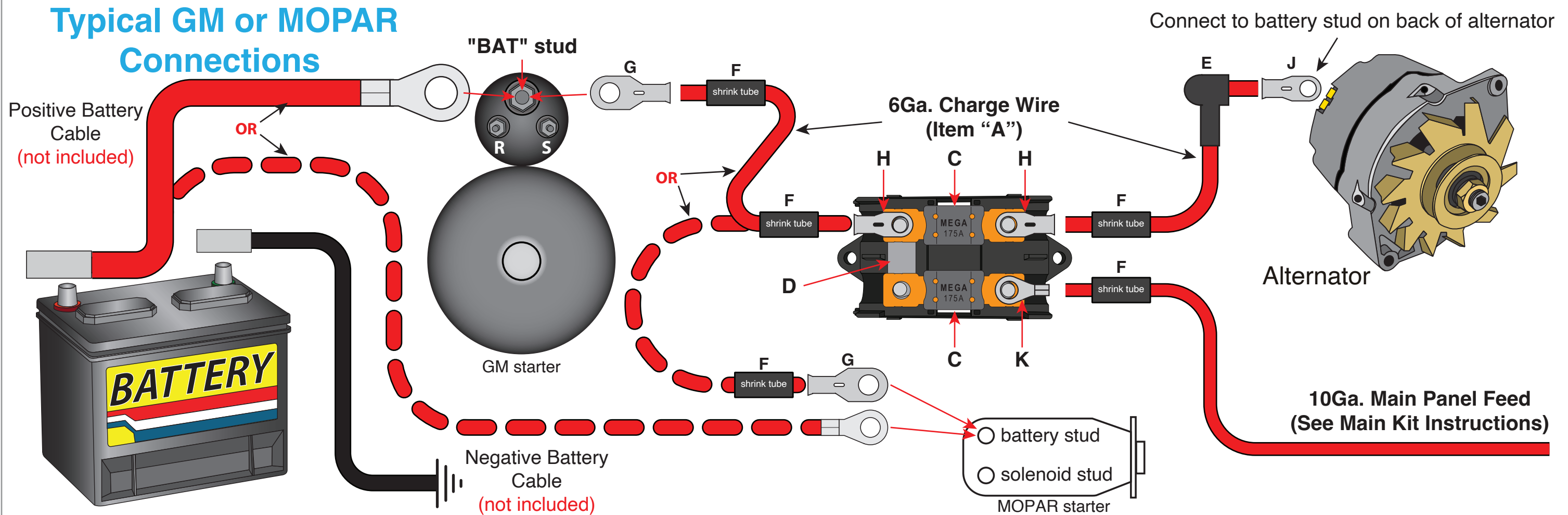
Alternator and Main Power
Connection Kit

510476

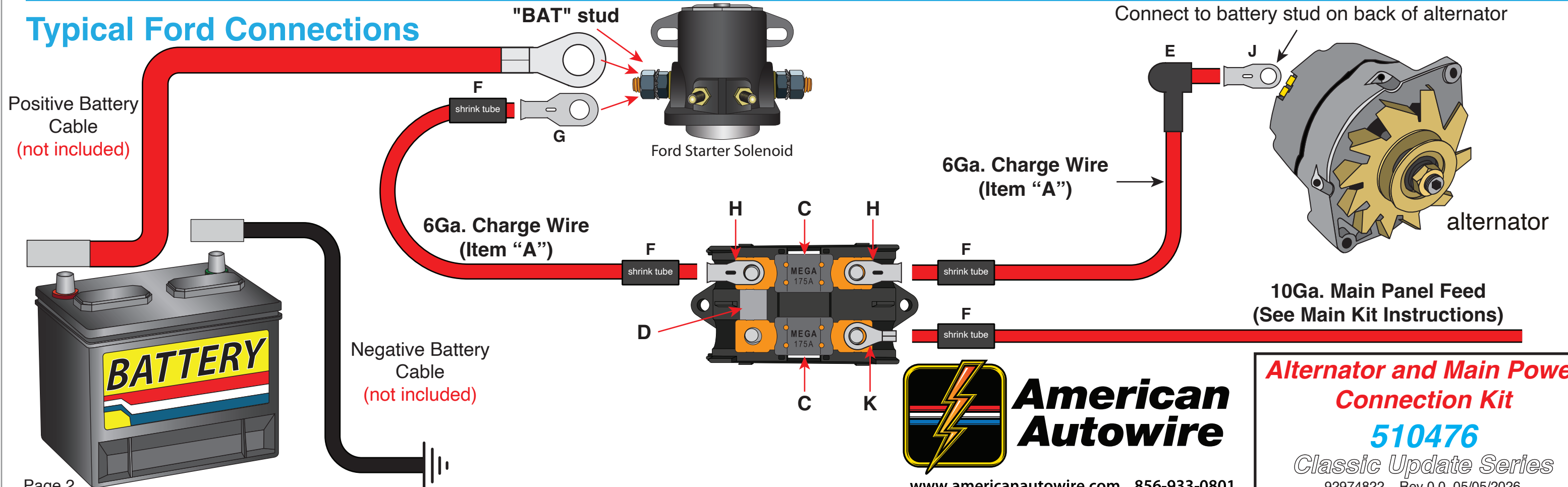
Classic Update Series

92974822 Rev 0.0 05/05/2026

Typical GM or MOPAR Connections



Typical Ford Connections



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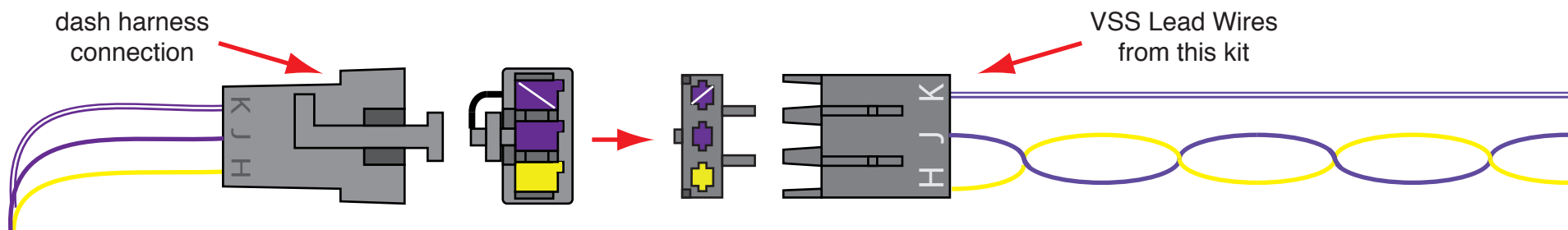
**Alternator and Main Power
Connection Kit**

510476

Classic Update Series

92974822 Rev 0.0 05/05/2026

Electric Speedo VSS extension connection:



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



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VSS LEAD WIRES
Various Applications
Classic Update Series

510730

92972371 Rev 0.0 4/9/2019



520001 Digital Gauge System Dim Wire Kit:

ALL GM Classic Update Kits (See page 2 for 510298 Mopar Cuda & Challenger Kit)

Use this kit when installing an aftermarket digital gauge system that requires a 12-volt signal to dim the display when the parking lamps or headlights are turned on.

1. Locate the Headlight Switch Connector:

Locate the headlight switch connector in the dash harness section of the Classic Update Kit being installed, and remove the brown “REAR RUNNING LIGHTS” Wire. **DO NOT** cut the terminal off this wire, as it will be required later in the install.

For guidance, refer to American Autowire’s instructional video on how to remove a terminal from a connector:

https://www.youtube.com/watch?v=_3GoK3xE1gs

2. Insert the Dimmer Jumper Wire:

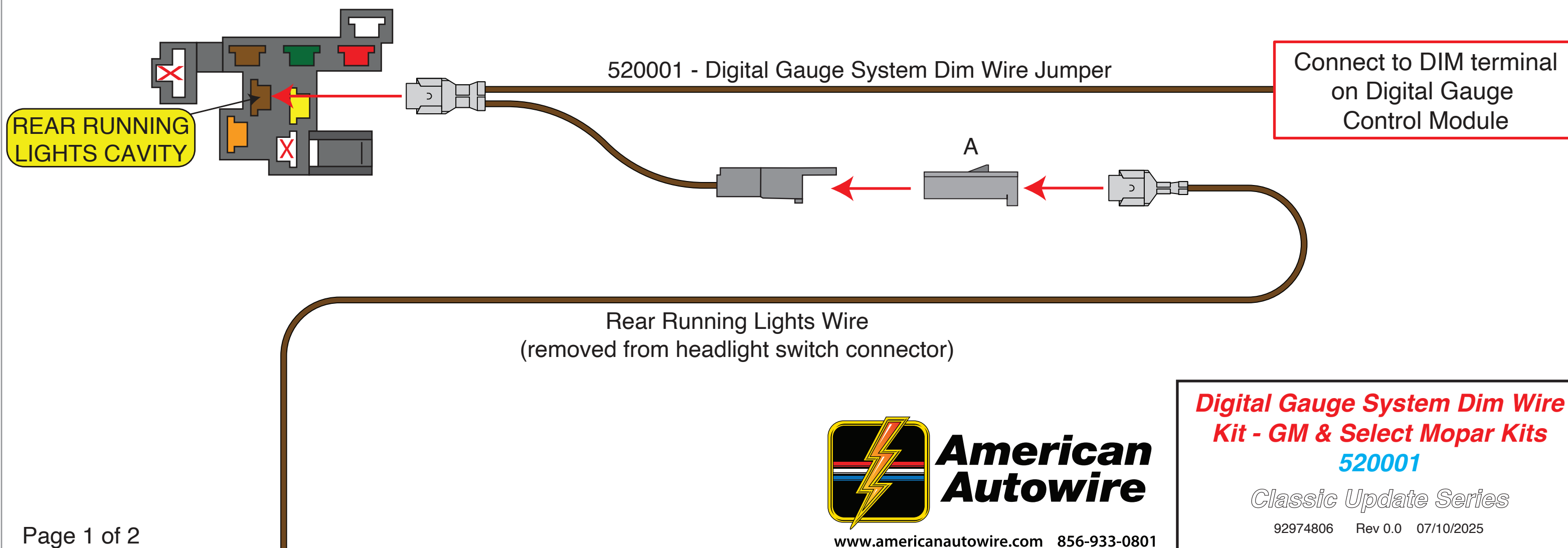
Take the pre-terminated end of the dim wire jumper, which includes two wires in one terminal, and insert it into the now vacant cavity of the headlight switch connector (where the rear running lamps wire was originally removed).

3. Reconnect the Rear Running Lights Wire:

Insert the now loose “REAR RUNNING LIGHTS” wire terminal into the provided 56Fx1 connector (Item “A”). Plug this connector into the short pigtail section of the dim wire jumper as illustrated below.

4. Connect to the Digital Gauge System:

Route the long loose end of the dim wire jumper to the digital gauge control module. Cut the wire to the appropriate length and connect it to the dimmer input on the controller, following the manufacturer's instructions, to complete the installation.



520001 Digital Gauge System Dim Wire Kit:

510298 Mopar Cuda & Challenger Classic Update Kit (ONLY)

Use this kit when installing an aftermarket digital gauge system that requires a 12-volt signal to dim the display when the parking lamps or headlights are turned on.

1. Locate the Headlight Switch Connector:

Locate the Park/Tail Lights connector in the headlight connection section of the 510291 Dash Harness, and remove the brown "PARK LIGHTS" / "REAR RUNNING LIGHTS" Wires from the single cavity connector. **DO NOT** cut the terminal off these wires, as it will be required later in the install.

For guidance, refer to American Autowire's instructional video on how to remove a terminal from a connector:

https://www.youtube.com/watch?v=_3GoK3xE1gs

2. Insert the Dimmer Jumper Wire:

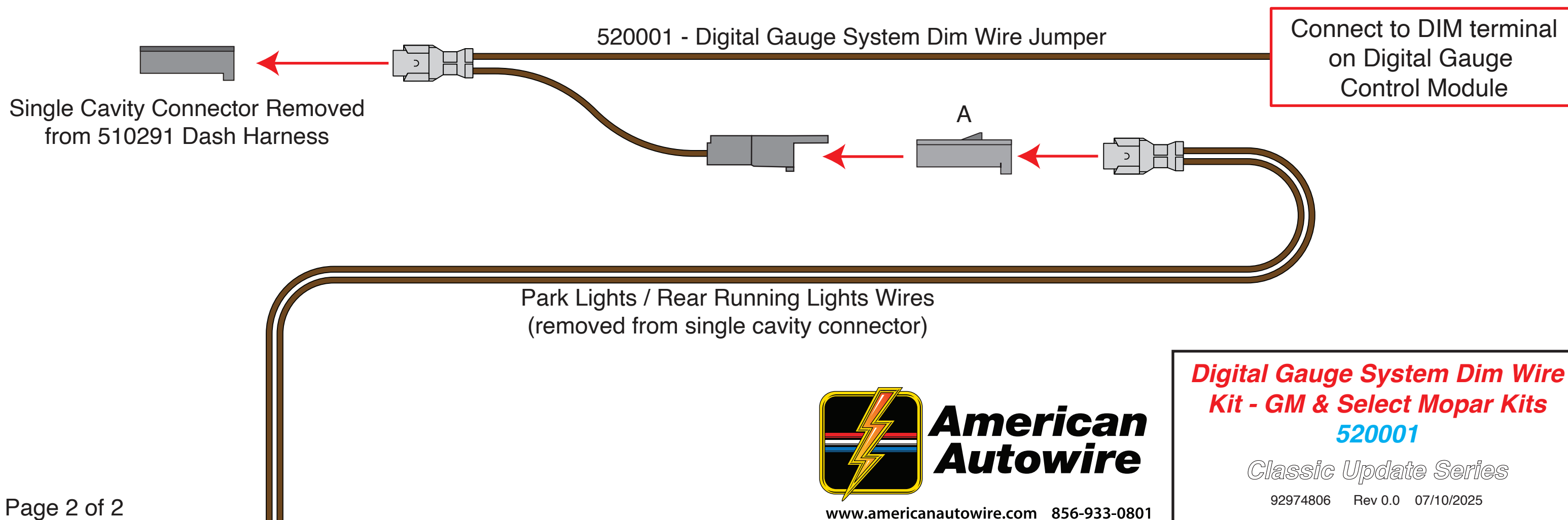
Take the pre-terminated end of the dim wire jumper, which includes two wires in one terminal, and insert it into the single cavity connector that was removed from the dash harness.

3. Reconnect the Rear Running Lights Wire:

Insert the now loose "PARK LIGHTS" / "REAR RUNNING LIGHTS" wires previously removed from the single cavity connector on the dash harness into the provided 56Fx1 connector (**Item "A"**). Plug this connector into the short pigtail section of the dim wire jumper as illustrated below.

4. Connect to the Digital Gauge System:

Route the long loose end of the dim wire jumper to the digital gauge control module. Cut the wire to the appropriate length and connect it to the dimmer input on the controller, following the manufacturer's instructions, to complete the installation.



COURTESY AND DOME LIGHT CONNECTION KIT

UNDER DASH COURTESY EXTENSIONS A

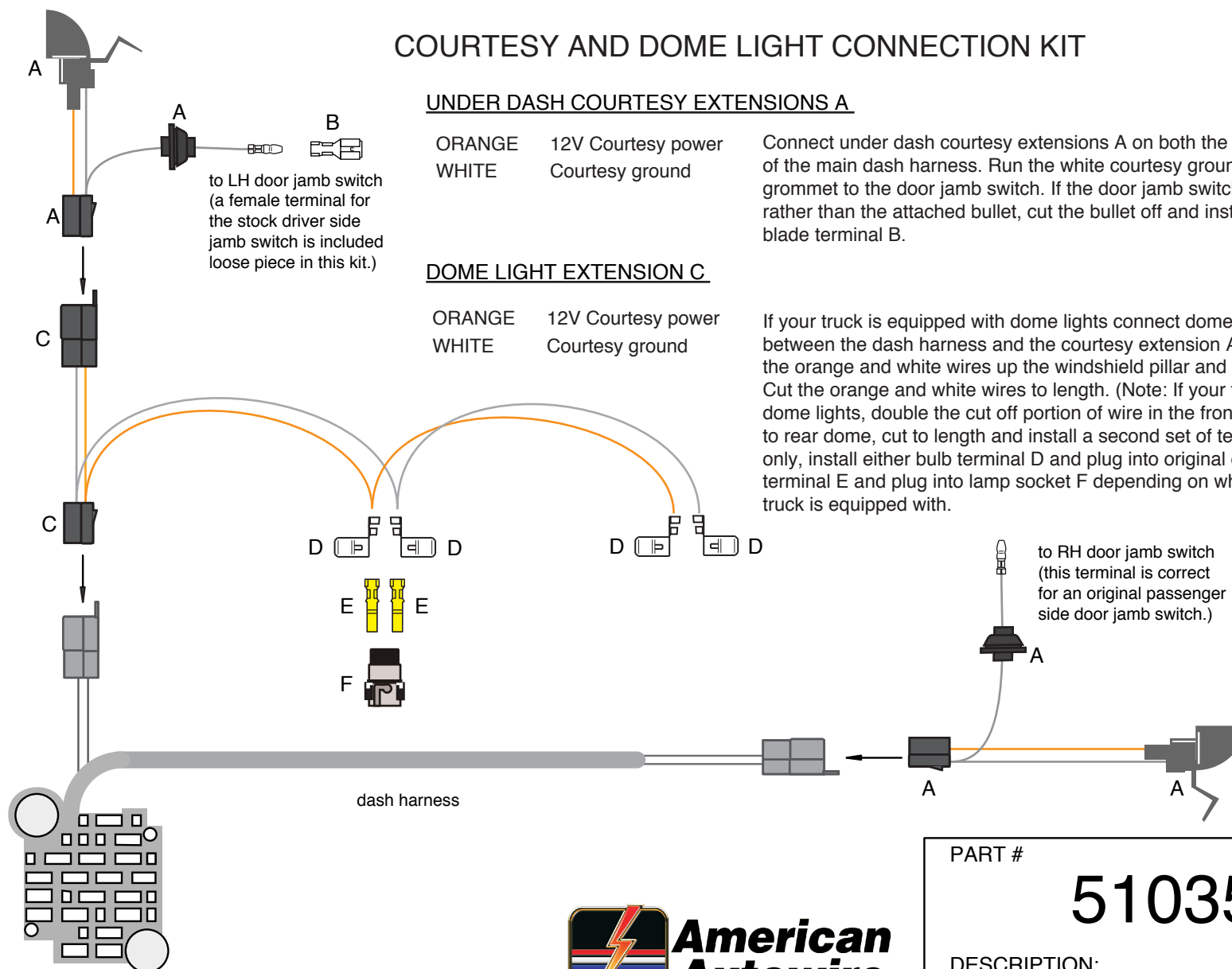
ORANGE 12V Courtesy power
WHITE Courtesy ground

Connect under dash courtesy extensions A on both the driver and passenger sides of the main dash harness. Run the white courtesy ground through the supplied grommet to the door jamb switch. If the door jamb switch uses a blade type terminal rather than the attached bullet, cut the bullet off and install the supplied female blade terminal B.

DOME LIGHT EXTENSION C

ORANGE 12V Courtesy power
WHITE Courtesy ground

If your truck is equipped with dome lights connect dome light extension C in between the dash harness and the courtesy extension A on the drivers side. Route the orange and white wires up the windshield pillar and along roof to the dome light. Cut the orange and white wires to length. (Note: If your truck is equipped with two dome lights, double the cut off portion of wire in the front set of terminals D, route to rear dome, cut to length and install a second set of terminals D.) For front dome only, install either bulb terminal D and plug into original dome light housing or install terminal E and plug into lamp socket F depending on what type of dome light your truck is equipped with.



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



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PART #

510354

N

DESCRIPTION:

Courtesy Lamp Kit

92970203

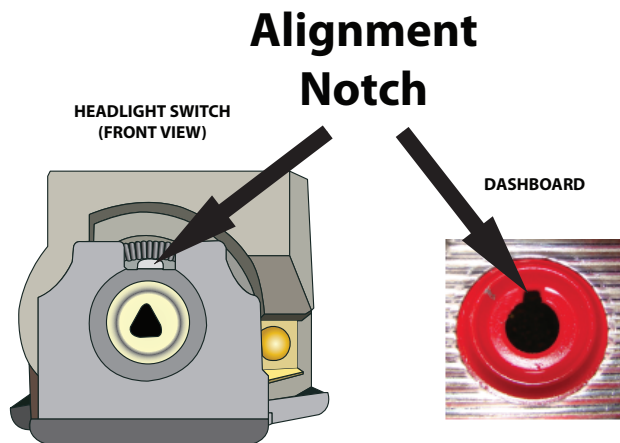
Rev 1.0

8/19/2013

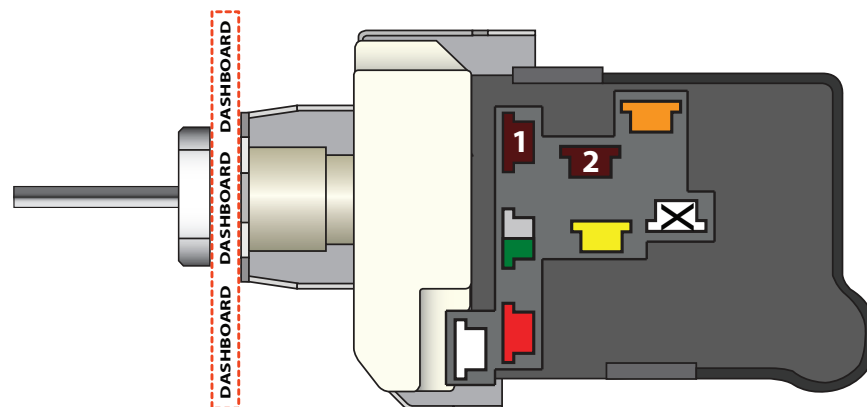
Most switches supplied with Classic Update and Universal Kits ship with the shaft pre-installed. In many instances, the switch can be installed without removing the shaft, but in some cases the switch shaft may need to be trimmed to fit your specific dash. In this situation, reference Trim to Fit instructions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

To install your new headlight switch:

1. Install the switch from behind the dash, and align the switch body with the mounting hole. The switch body has an alignment tab that must line up with the notch in the dashboard mounting hole.



2. Install the switch mounting nut and tighten.
3. Gently press shaft into switch until it stops, then press firmly until it "clicks." Pull shaft back out to confirm it is seated correctly. The shaft should be locked into place inside switch.
4. If the shaft does not lock, reinsert applying moderate pressure and slowly move shaft side to side for lock to engage. Make sure switch body is still supported to prevent flexing. Press shaft firmly until it clicks into place.
5. Ensure the shaft is fully seated and in the off position.



1	Parking Lights - Stay on with headlights
2	Tail Lights - On in the park and headlight positions
	Fused Battery Feed - For park, tail and dash lamps
	Headlight Feed - Power to the headlight dimmer switch
	12V Battery Feed - Unfused power to the switch for headlights
	Courtesy Ground - Ground feed to the dome and courtesy lights
	Part-time Parking Lights - Turns off when the headlights are on (Not supported by all kits)
	Dash Lights - Output to the dash light fuse or lights



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PART #

500332

DESCRIPTION:

Headlight Switch

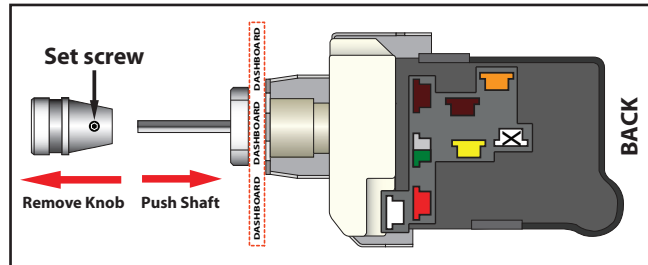
92964649 Rev 3.0 1/10/2020

To Trim Shaft to Fit or Remove Shaft:

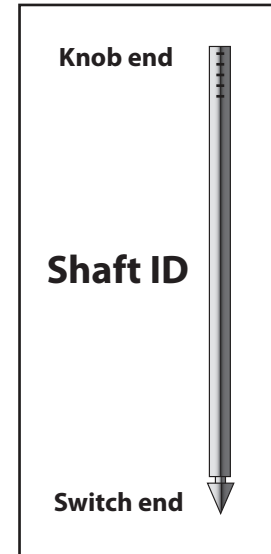
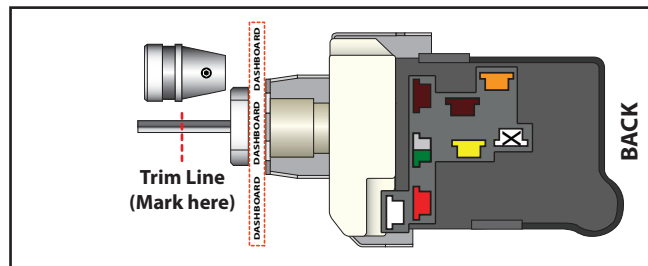
The headlight shaft knob should extend from the face of the mounting nut, and must allow enough clearance for the switch to turn off. If the shaft is longer than necessary for your specific dash it can be trimmed to fit. Always trim the knob end of the shaft only and follow the guidelines below for best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

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

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



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



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

