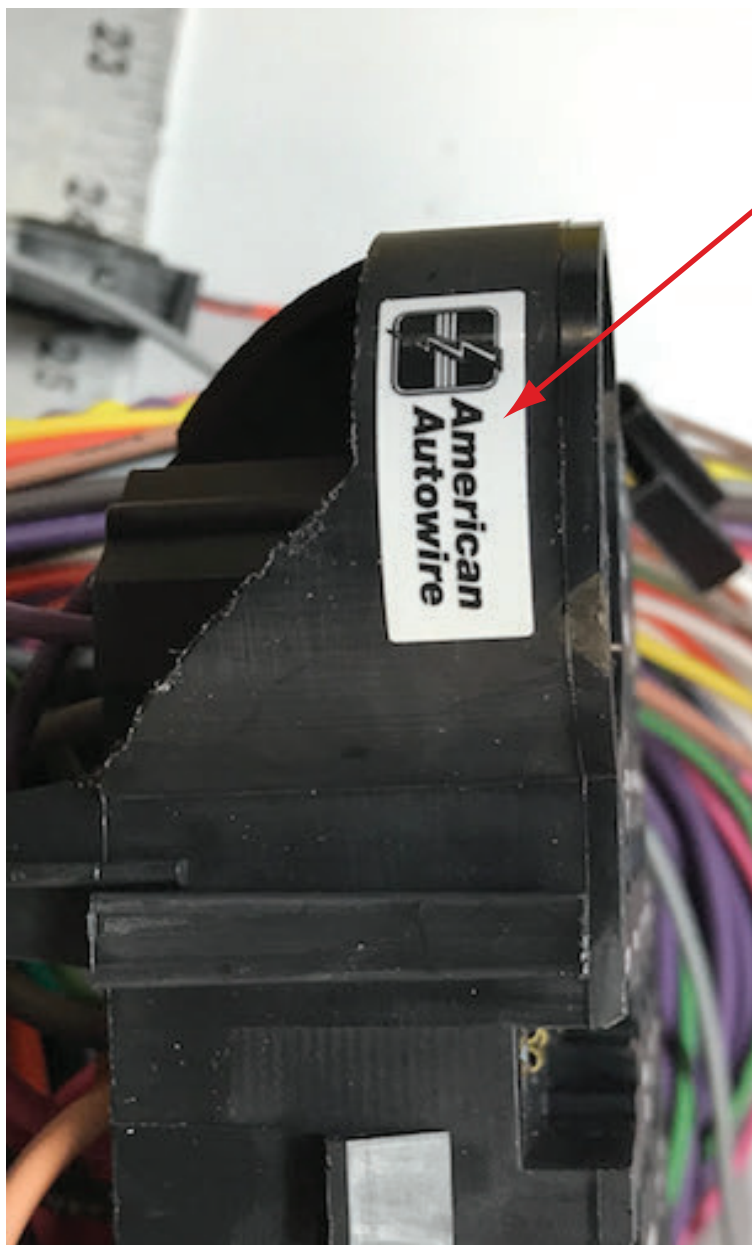


NOTE: If the fuse panel on your 510691 71-74 Mopar B-Body kit **HAS** a sticker like the photo at the left, you have the second design harness and your instructions are listed below and follow this page.



Number	Description
500698	Headlight Switch
500697	Fuse, Relay, and Flasher kit
500919	Practice Terminal Crimping Set
510787	Dash Harness kit
510786	Engine Wiring Kit
510695	Front Light Wiring kit
510788	Instrument Cluster Wiring kit
510696	Rear Body Wiring kit
510476	Alternator and main power Connection kit
510730	VSS Connection kit
500042	Floor Dimmer Switch
92971839	Firewall Mod. Template Sheet
92972832	Main Instruction Sheet



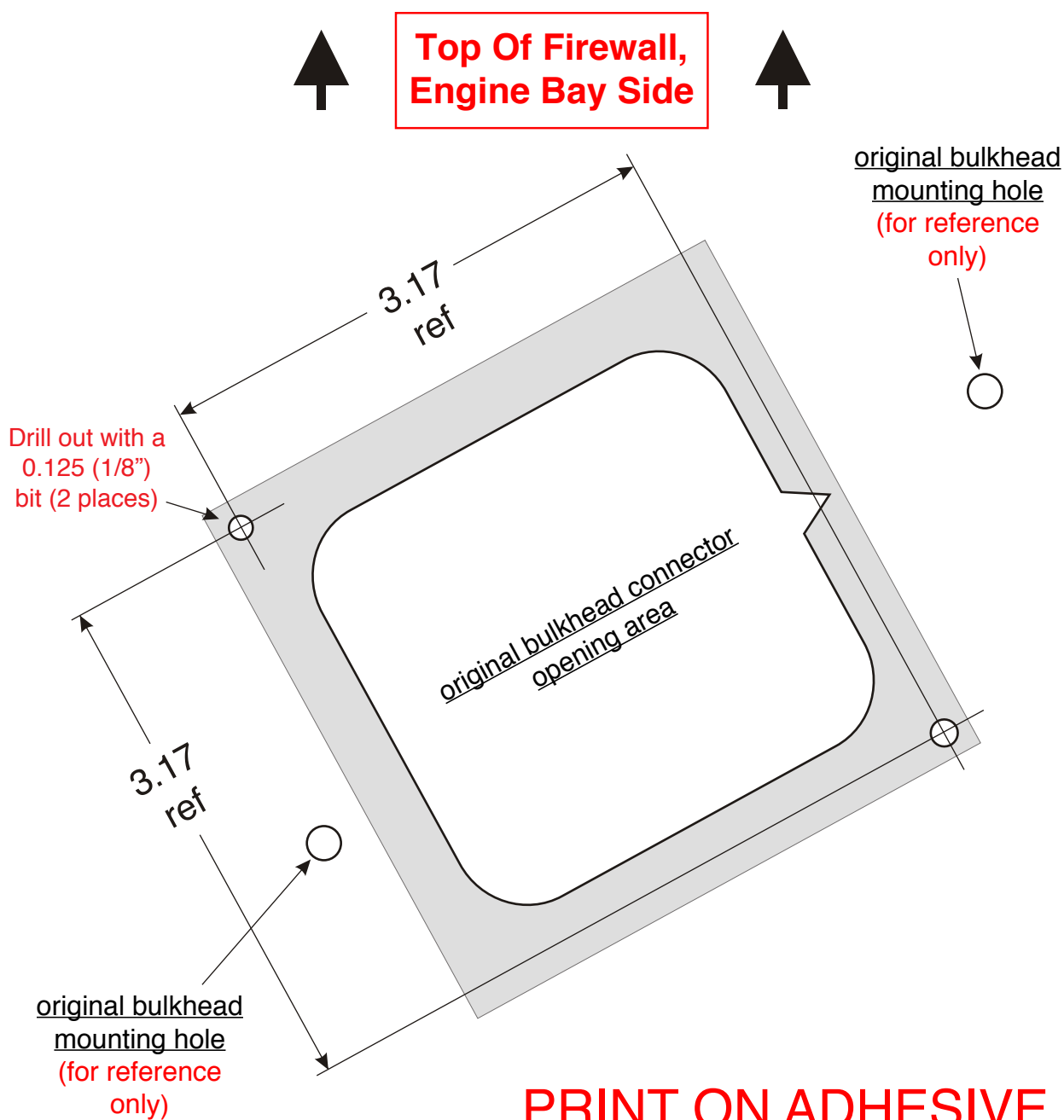
**American
Autowire**

www.americanautowire.com 856-933-0801

71-74 Mopar B-Body Second Design Instructions

92972928 rev. 0.0 3/24/2020

Template for modification of the firewall on a 1971-74 Mopar B-body Classic Update Kit



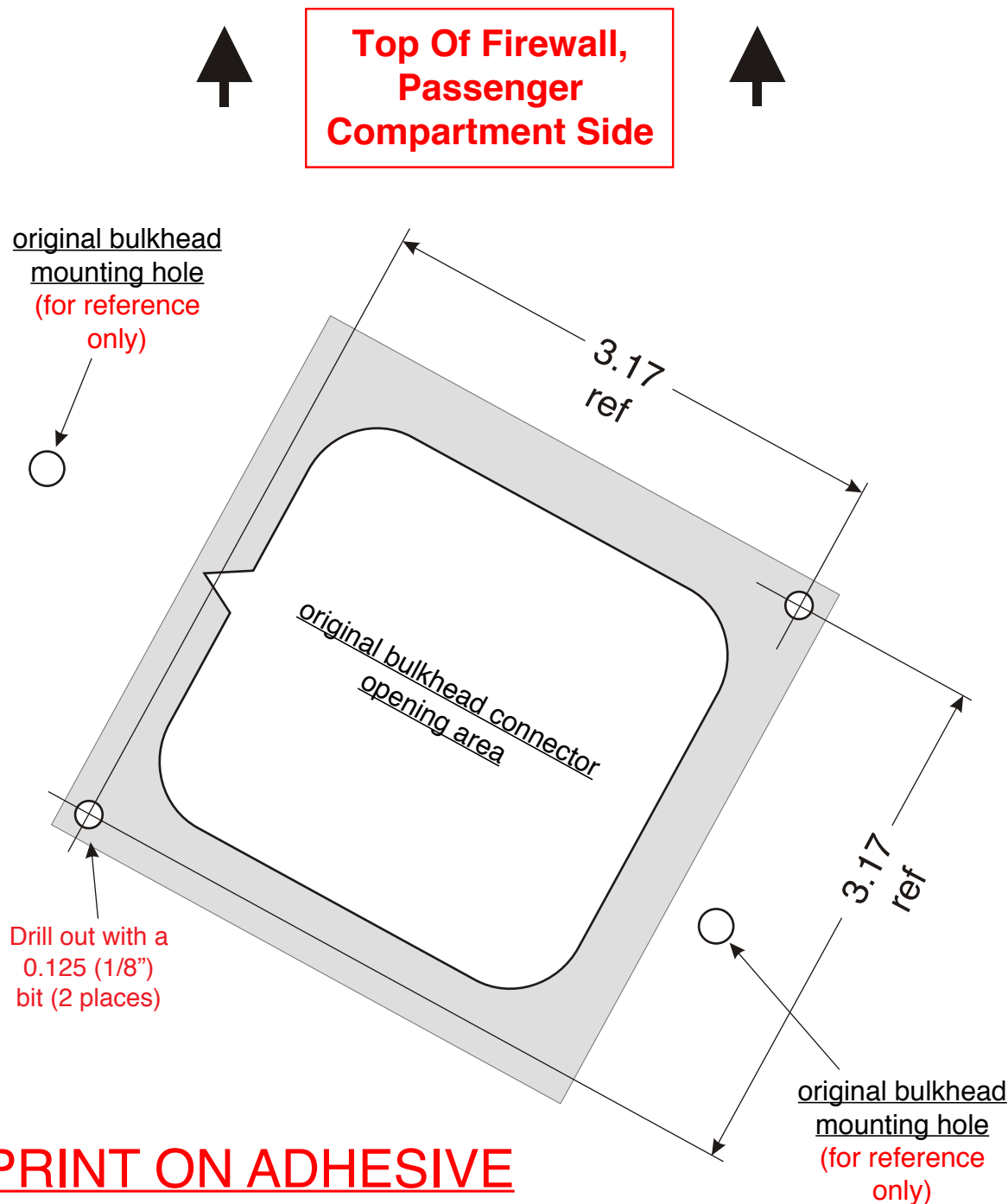
The only firewall modification needed with this new kit is to drill 2 new **0.125 (1/8")** mounting holes. The original opening in the firewall is already the proper size for the new bulkhead connector assembly to fit through. This template can be affixed directly to the Engine Bay side of the firewall (**see page 2 for passenger compartment drilling**) or it can be applied to a stiff piece of cardboard or thin plastic, then mounted to the firewall. Be sure to clean any wax, grease, or oil from the area so that the template will stick.

1. Remove the white "original bulkhead connector opening area" from the template and align this open area with the original firewall opening. You can also use the original mounting holes to help locate this template more precisely.
2. Mark the 2 screw holes that need to be drilled out, onto the firewall using a marker or by other similar means.
3. Using a center punch, slightly dimple the 2 screw marks that you have transferred onto the firewall so that your drill will not walk when making the new holes. Re-check your 2 marked areas with the template to be sure that they are correct, before drilling the 2 new holes.
4. Drill your new mounting holes.
5. Using the provided (2) self tapping screws found in the loose piece kit for the **510692** dash harness, affix the bulkhead connector assembly of the new dash harness into the firewall from up under the dash, inside of the car.
6. Your mounting procedure is now complete. You may now continue with the installation of your new Dash harness.

92971839

Rev 2.0 1/28/2019

Template for modification of the firewall on a 1971-74 Mopar B-body Classic Update Kit



The only firewall modification needed with this new kit is to drill 2 new **0.125 (1/8")** mounting holes. The original opening in the firewall is already the proper size for the new bulkhead connector assembly to fit through. This template can be affixed directly to the passenger compartment side of the firewall (**see page 1 for engine bay drilling**) or it can be applied to a stiff piece of cardboard or thin plastic, then mounted to the firewall. Be sure to clean any wax, grease, or oil from the area so that the template will stick.

1. Remove the white "original bulkhead connector opening area" from the template and align this open area with the original firewall opening. You can also use the original mounting holes to help locate this template more precisely.
2. Mark the 2 screw holes that need to be drilled out, onto the firewall using a marker or by other similar means.
3. Using a center punch, slightly dimple the 2 screw marks that you have transferred onto the firewall so that your drill will not walk when making the new holes. Re-check your 2 marked areas with the template to be sure that they are correct, before drilling the 2 new holes.
4. Drill your new mounting holes.
5. Using the provided (2) self tapping screws found in the loose piece kit for the **510692** dash harness, affix the bulkhead connector assembly of the new dash harness into the firewall from up under the dash, inside of the car.
6. Your mounting procedure is now complete. You may now continue with the installation of your new Dash harness.

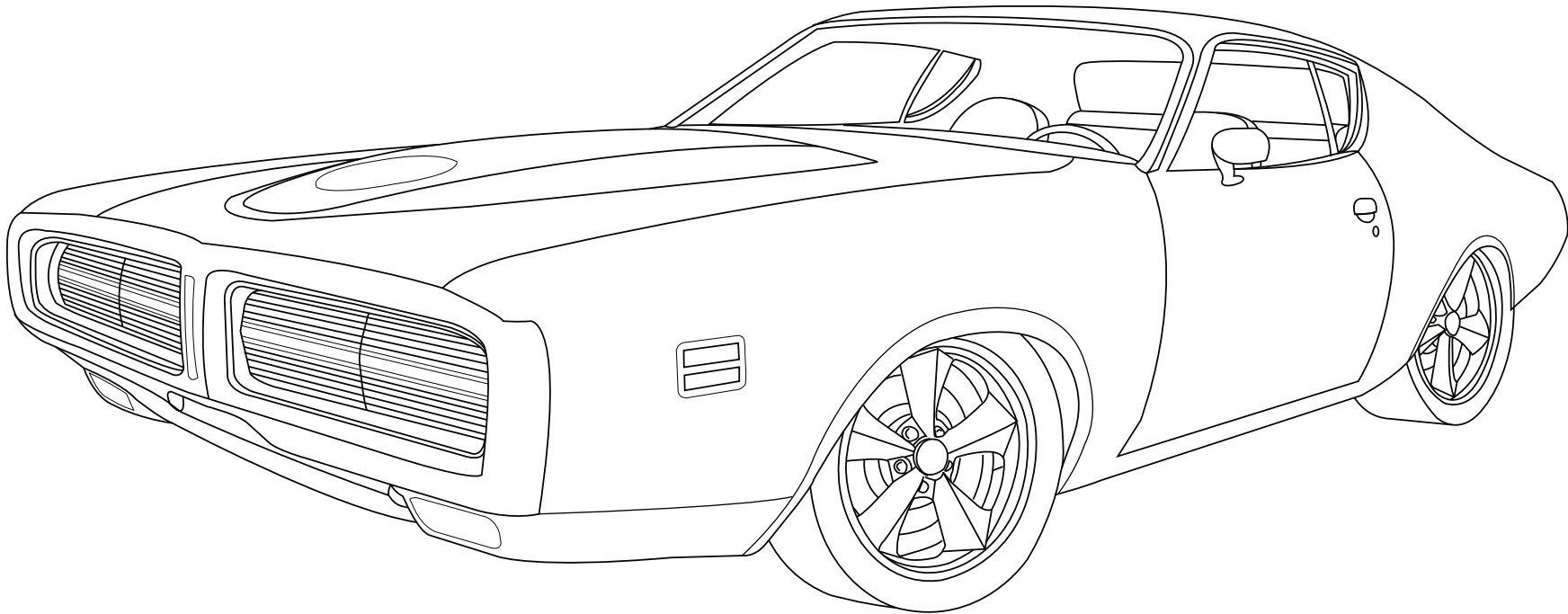
92971839

Rev 2.0 1/28/2019



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

- 1. This new upgraded AAW wiring system should typically be used in a MODIFIED application only.
- 2. This kit includes the wiring to support the use of a factory heater only system and/or aftermarket heater and A/C systems. This kit does not include the wiring for the factory original A/C system. An optional A/C Kit 510474 is available that will allow you to use your original factory A/C components.
- 3. This kit only supports the use of a higher current, self-exciting 1-wire alternator or an internally regulated alternator. The use of the factory externally regulated alternator is not supported with this kit.
- 4. AAW **DOES NOT** support the use of an ammeter. All AAW kits are engineered to supply the optimum charge to the battery. To achieve this performance, we route our 6 gauge charge wire from the alternator output charge terminal to the starter relay battery terminal. Due to the path of the charge being altered from the stock configuration, the gauge can no longer see a charge vs. discharge. This wiring system has been designed to work with a voltmeter.
- 5. This kit **IS NOT** set up with a resistance wire for a standard, points type ignition system. It is wired with a full 12-volt primary ignition feed. See **pages 26 and 27** for the various Ignition System Wiring configurations.



510691 - Classic Update Series Kit
1971-74 Mopar B-Body

This kit contains the following components:

Part		Description	Quantity
Bag	Number		
	500042	Floor Dimmer Switch	1
	510698	Headlight Switch	1
	510697	Fuse, Relay, and Flasher kit	1
	500919	Practice Terminal Crimping Set	1
G	510787	Dash Harness kit	1
H	510788	Instrument Cluster wiring kit	1
J	510786	Engine Wiring Kit	1
L	510695	Front Light Wiring kit	1
M	510696	Rear Body Wiring kit	1
V	510730	VSS Connection Kit	1
Z	510476	Alt. & Main Power Connection Kit	1
	92971839	Bulkhead Connector Mtg Template	1

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



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1971-74 Mopar B-Body
Classic Update Series
510691

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American Autowire / Factory-Fit
92972832 Rev 1.0 12/9/2022

START HERE !

PLEASE READ THIS BEFORE STARTING INSTALLATION !

This wiring kit is designed for ease of installation. Please read the guidelines below, BEFORE STARTING your installation, to guarantee a successful job. Use an appropriate crimping tool, which folds the wings of the open barrel terminals down into the wire, as shown on this page. If you use our crimping tools and correctly crimp the included terminals, soldering is not necessary. If you are unsure about a particular crimp, soldering is recommended. Our factory crimped terminations are installed by GM approved five ton presses, and soldering these terminations is not necessary



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

Type the following address into your web browser, to go directly to the video:

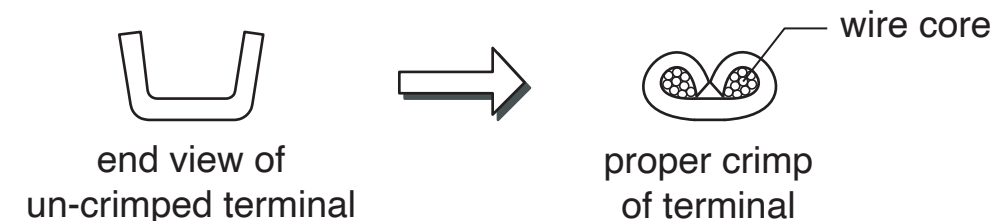
www.youtube.com/watch?v=JAgEDoVI-co

Youtube Channel:

www.youtube.com/user/WiringHarness



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

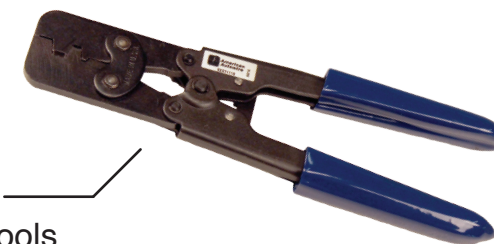


We carry the following crimping hand tools, to help with your terminal crimping. These hand tools are available, for purchase or rental.

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

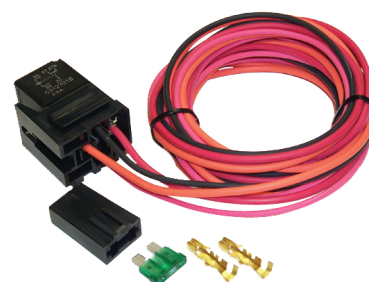


p/n 510586
OEM large terminal crimping
tool (12-8 gauge)



p/n 510587
Includes Both
terminal crimping tools

We carry many accessories for your 1971-74 Mopar B-Body:



p/n 500479
Universal Relay Kit



p/n 510474
A/C Overlay Wiring Kit



p/n 500235
Billet Aluminum
Knob
(fits a 1/4" shaft)
(use on wiper switch)



p/n 500093
Universal Waterproof
Relay Kit



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

1971-74 Mopar B-Body
Classic Update Series

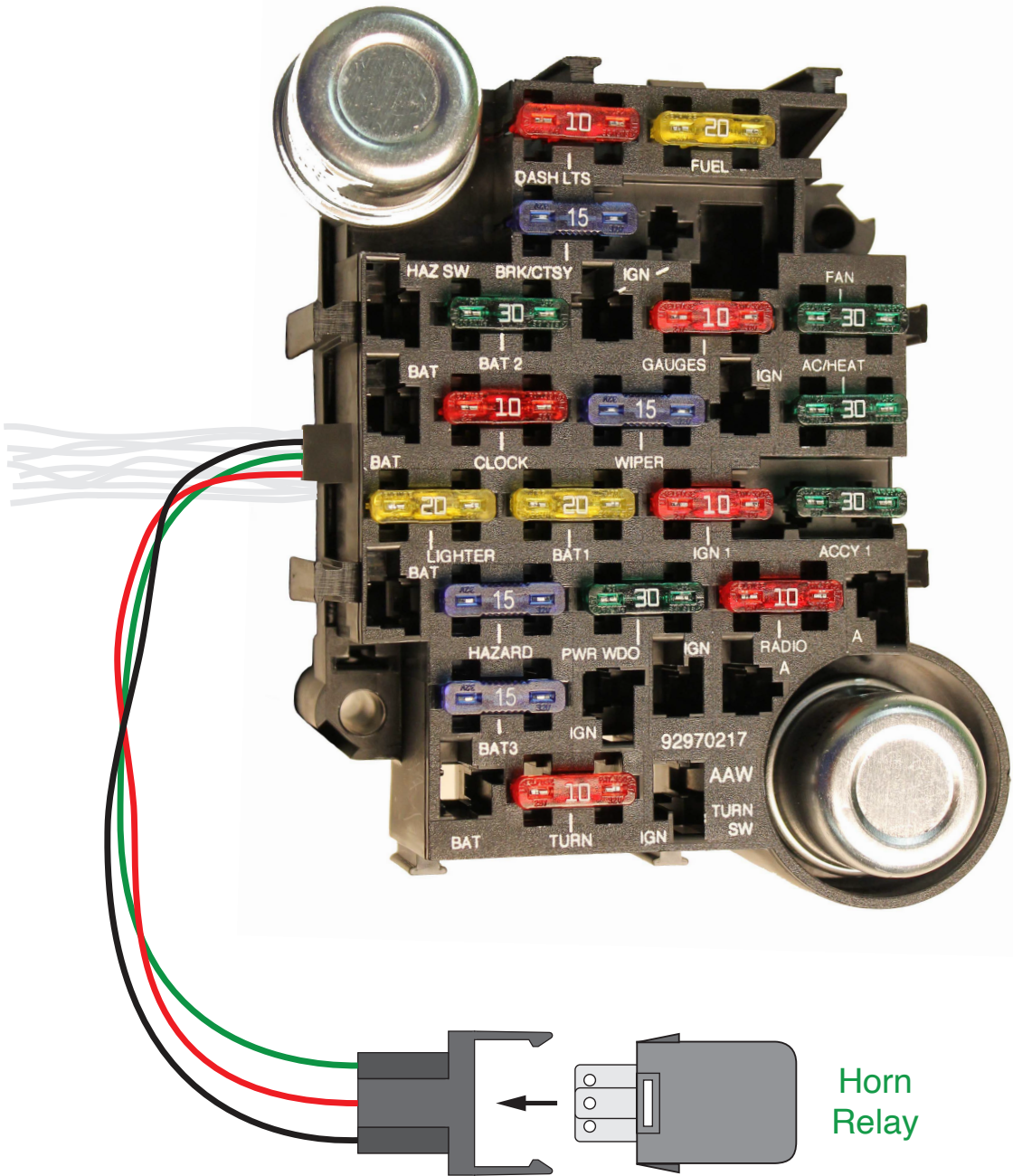
510691 92972832 Rev 1.0 12/9/2022

STEP 1: DISCONNECT YOUR BATTERY

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

STEP 2: LOAD THE FUSE BLOCK

Prior to installing the Dash harness to the dash, obtain the Fuse, Flasher, and Relay Kit 510697 and plug all of the fuses and the flashers to the Fuse Block (see below). Plug the Horn Relay to the Dash harness (see below).



Fuse usage details

Fuse #	Fuse Block Printing	Fuse Rating	System Wiring Protected
1	DASH LTS	10A	Cluster lights, any dash illumination lights.
2	FUEL	20A	Electric fuel pump, electric speedo power (Accy 6-way conn).
3	BRK/CTSY	15A	Stop lights, courtesy lights, dome light, battery feed in Rear Body (trunk light), map light, tail lights and park lights.
4	BAT 2	30A	Power seats (Accy 6-way conn).
5	GAUGES	10A	Oil pressure warning light, brake warning light, backup lights, reverse warning light and optional tachometer.
6	FAN	30A	Electric fan.
7	CLOCK	10A	Clock, radio battery feed.
8	WIPER	15A	Wiper.
9	AC/HEAT	30A	Air conditioning/heater feed.
10	LIGHTER	20A	Lighter.
11	BAT 1	20A	Power locks (Accy 6-way conn).
12	IGN 1	10A	Electric choke.
13	ACCY 1	30A	Accessory feed for options (Accy 6-way conn).
14	HAZARD	15A	Hazard lights.
15	PWR WDO	30A	Power windows (Accy 6-way conn).
16	RADIO	10A	Accessory feed for radio.
17	BAT 3	15A	Battery feed for options (Accy 6-way conn).
18	TURN	10A	Turn signals.

STEP 3: PREPARING TO INSTALL THE DASH HARNESS

Remove the dash frame assembly from the vehicle. You be installing the harness onto it.

STEP 4: DRILL THE FUSE BLOCK MOUNTING HOLES

Obtain the Bulkhead Mounting Template 92971839 and drill the two 1/8” holes in the firewall. This will prep the firewall so that it’s ready to accept the the new dash harness and Fuse Block/Bulkhead Assembly. Note that the mounting template can be used from either inside the passenger compartment, or outside in the engine compartment. Verify that the new holes in the firewall are in alignment with the Fuse Block/Bulkhead Assembly by positioning the Fuse Block/Bulkhead Assembly in the firewall. Insert the self tapping screws “M” (see page 5), into the Fuse Block/Bulkhead Assembly to make sure the threaded portion aligns with the new holes in the firewall. Do not permanently attach the Fuse Block/Bulkhead Assembly to the firewall until after the dash frame/Dash Harness assembly is installed in the vehicle.

STEP 5: INSTALL THE CLIPS AND J-CLAMPS

Obtain the two 1” wraparound clips item “D” and install to the dash near the speaker opening (see page 11). Obtain the 3 J-Clamps item “R” (see page 11) and attach to the existing dash pad studs.

STEP 6: START INSTALLING THE KIT

This kit is broken down into individual sections that are identified by a letter printed on the enclosed sheets, visible through each bag. The order of installation and the pages with their installation instructions are shown on page 4:




1971-74 Mopar B-Body
Classic Update Series
510691

Table of Contents:


<u>Bags:</u> G	<u>Pages:</u> 5-11	<u>Sections:</u> Dash Harness (Part 1 Installation) – This is the main harness in the kit and it should first be installed to the dash frame assembly. Install the main trunk of the Dash Harness in the original factory trough. The Dash Harness contains: Instrument Cluster Harness connections Headlight Switch connections Courtesy Light connections Cigar Lighter connection Heater Blower Resistor connection Dash Harness (Part 2 Installation) – After installing the Dash Harness to the dash frame assembly, now install the entire assembly back into the vehicle. Attach the Fuse Block/Bulkhead Assembly to the firewall. The Dash Harness now connects to the following components: Ignition Switch Stop Light Switch Rear Body Harness LH & RH Door Jamb Switches Dimmer Switch Map Light connection Heater Overlay Harness (Item T) connection Ground connection Ash Tray Light connection Glove Compartment Light connection Wiper Switch connections Heater Switch Control Assembly connections Radio wires Reverse Warning Light connection Electric Speedometer Ground connection			
H	12-16	Instrument Cluster Harness – This harness is assembled by the customer and connects to: <table><tr><td><u>Non-Rallye Cluster</u> Printed Circuit Board (PCB) Clock Tachometer</td><td><u>Rallye Cluster</u> Constant Voltage Regulator (CVR) Brake Warning Light High Beam Indicator Light Ground Tachometer</td><td>Dash Illumination Lights RH and LH Indicator Turn Lights Gas, Oil, and Temperature Gauges Clock</td></tr></table>	<u>Non-Rallye Cluster</u> Printed Circuit Board (PCB) Clock Tachometer	<u>Rallye Cluster</u> Constant Voltage Regulator (CVR) Brake Warning Light High Beam Indicator Light Ground Tachometer	Dash Illumination Lights RH and LH Indicator Turn Lights Gas, Oil, and Temperature Gauges Clock
<u>Non-Rallye Cluster</u> Printed Circuit Board (PCB) Clock Tachometer	<u>Rallye Cluster</u> Constant Voltage Regulator (CVR) Brake Warning Light High Beam Indicator Light Ground Tachometer	Dash Illumination Lights RH and LH Indicator Turn Lights Gas, Oil, and Temperature Gauges Clock			
	12	<u>Aftermarket Gauges</u> All gauges			
M	17-18	Rear Body Harness –This harness connects to: Dash Harness Third Brake Light Original Tail Light Harness Dome Light Pigtail Fuel Tank Sender Rear Side Markers Rear Door Jamb Switches (4-door) Trunk Light			
L	19-22	Front Light Harness –This harness connects to: Bulkhead Connector Electric Fan (requires an optional Relay Kit) Horns Washer Reservoir Wiper Motor LH Headlights RH Headlights Brake Warning Switch LH Park/Turn Signal, Side Marker, Fender Top Turn Signal Lights RH Park/Turn Signal, Side Marker, Fender Top Turn Signal Lights			
J	23-27	Engine Harness –This Harness connects to: Back-up Light Switch, Neutral Safety Switch Alternator Ignition System Starter Relay Electric Choke, Oil Pressure and Water Temperature Senders			

510787 Dash/Main harness installation instructions:

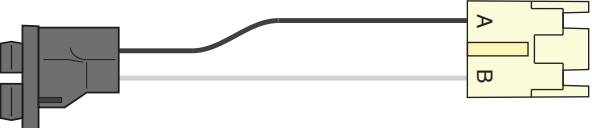
Below are the supplied misc. terminals, connector bodies and assorted components included in the Dash/Main Harness and Loose Piece bags. These will be used to complete your Dash/Main harness connections and are referred by the letters and descriptions below from this point forward.

A


(courtesy light extension - reference, 2 pcs)

B

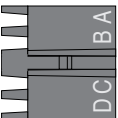
(steering column ground extension - reference, 1 pc; extension is mounted between the steering column and the steering column support bracket)

C


(AC/Heater switch illumination extension - reference, 2 pcs)

D


(routing clip, 2 pcs.)

E

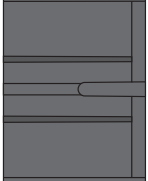
(Pack-Con 4-way male connector, 1 pc.)

F


(Pack-Con 14-way male connector, 1 pc.)

G

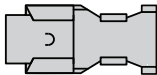
(Pack-Con male terminal, 15 pcs.)

H

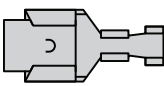
(56 Series 6-way female connector, 1 pc)

J


(56 Series single female connector, 1 pc)

K


(56 series double female terminal, 15 pcs.)

L


(56 series single female terminal, 15 pcs.)

M


(self tapping screw, 2 pcs.)

N

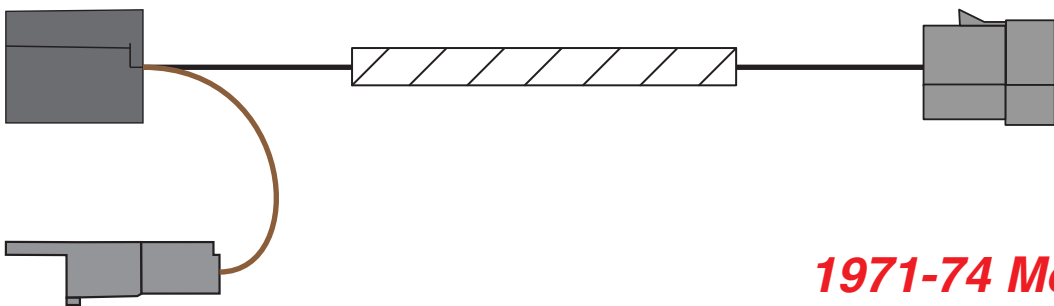
(bullet terminal, 6 pcs.)

P

(rubber sleeve, 6 pcs.)

R

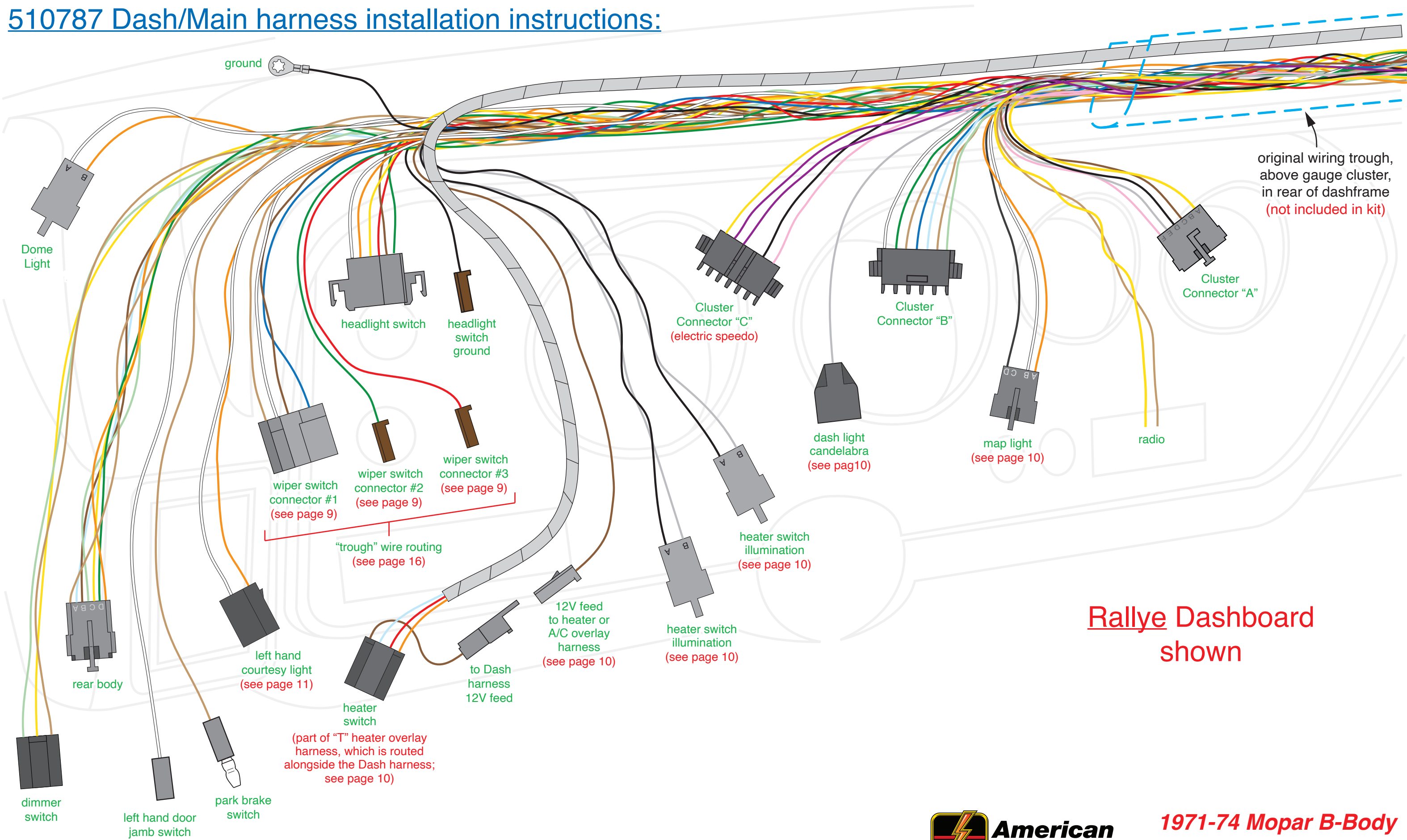
(J-clamp, 3 pcs.)

T

(heater overlay harness - reference, 1 pc)

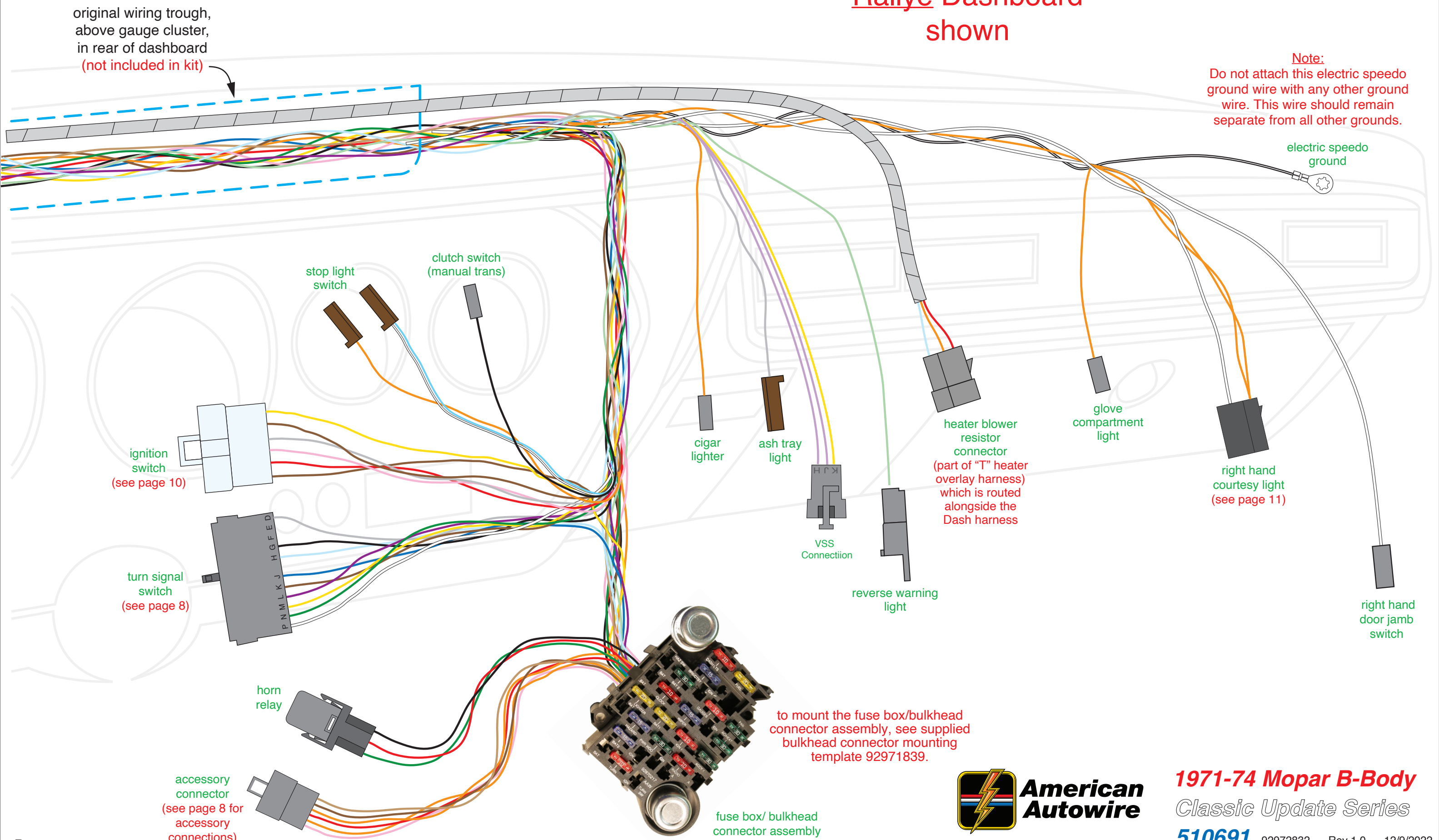


510787 Dash/Main harness installation instructions:



510787 Dash/Main harness installation instructions:

Rallye Dashboard shown



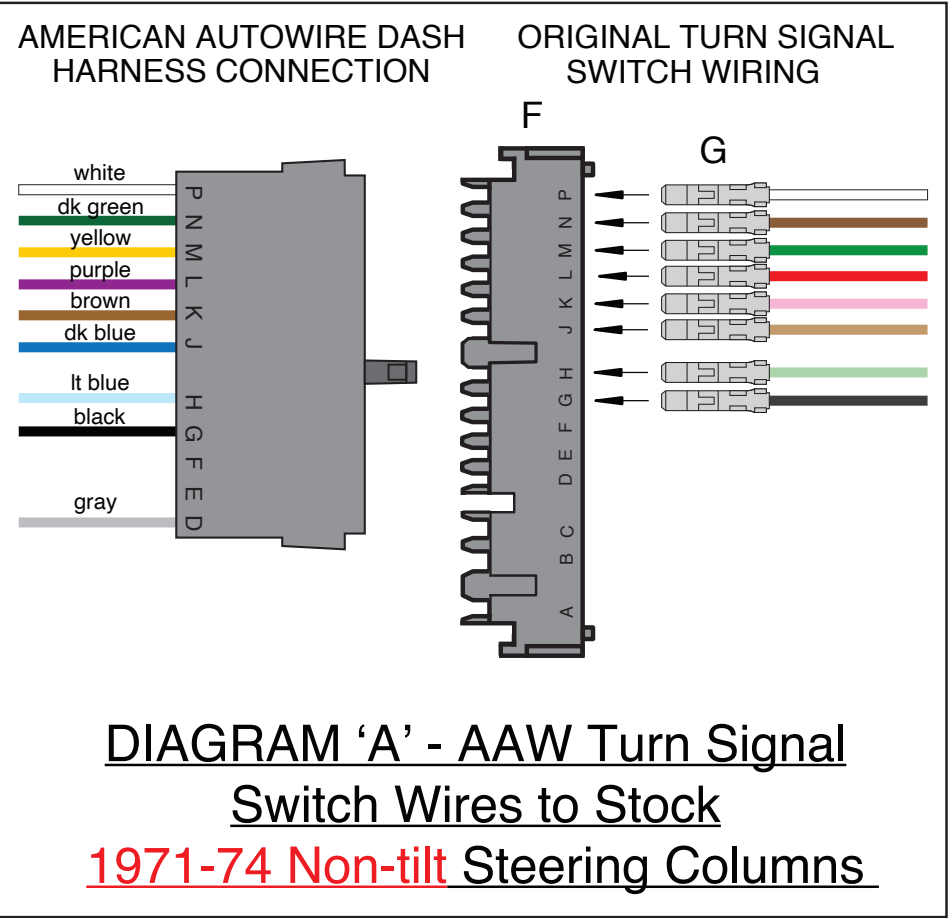
510787 Dash/Main harness installation instructions:

Non-Tilt Steering Column

Tilt Steering Column

“Table B”

“Table C”



AAW Turn Signal Switch wires to stock 1971-74 Mopar B-Body Turn Signal Switch (Non-tilt steering column)

AAW Wire Color	AAW Wire Printing	Connector Cavity AAW	B-body Wire Color	Aftermarket Color
White	Brake SW	P	White	White
Dark Green	Right Rear Turn	N	Brown	Dark Green
Yellow	Left Rear Turn	M	Dark Green	Yellow/Black
Purple	Turn Switch Feed	L	Red	Red
Brown	Turn SW – Hazard	K	Pink	Blue
Dark Blue	Right Front Turn	J	Tan	Light Green
Light Blue	Left Front Turn	H	Light Green	Yellow
Black	Horn Relay Ground	G	Black	Green/White
None	None	F	None	None
None	None	E	None	None
Gray	DASH LIGHTS	D	None	None

Note: Remove the original Turn Signal Switch Connector and replace it with the AAW 14-way connector “F”. Crimp on terminal “G” to each of the original Turn Signal Switch wires and plug them into connector “F” (see Parts Kit 92972828).

Use “Table B” above to align the wires. The gray DASH LIGHTS wire, in the AAW Connector cavity “D”, can be used to provide 12V to the Ignition Switch Illumination Light or an Illumination Light in an aftermarket Steering Column.

AAW Turn Signal Switch wires to stock 1971-74 Mopar B-Body Turn Signal Switch (Tilt steering column)

AAW Wire Color	AAW Wire Printing	Connector Cavity AAW	B-body Wire Color
White	Brake SW	P	Black/White
Dark Green	Right Rear Turn	N	Dark Green
Yellow	Left Rear Turn	M	Black/Yellow
Purple	Turn Switch Feed	L	Purple
Brown	Turn SW – Hazard	K	Brown
Dark Blue	Right Front Turn	J	Dark Blue
Light Blue	Left Front Turn	H	Black/Blue
Black	Horn Relay Ground	G	Black
None	None	F	Pink
None	None	E	Black/Pink
Gray	DASH LIGHTS	D	Gray or none

Plug the AAW Dash Harness 11-way female Turn Signal Switch Connector directly to the original male 14-way Turn Signal Switch Connector (Tilt Steering Column). All of the wires are already aligned. The above information is for reference only.

Note: Since the Key-In-Ignition Warning Buzzer wires are not included in the AAW connector (cavities E and F), the wires in the original B-body connector will not mate with any other wires.

Accessory Connector

Use the provided 6-way empty connector, which is attached to the 6-way Accessory connector on the Dash Harness, and terminals “K” and “L” (see Parts Kit 92972828) to add power wires for the following optional systems:

Wire Color	Wire Printing	Fuse Block Printing	Fuse rating	Description
Orange	no printing	BAT3	15A	Fused 12 volt BATTERY feed spare (may also be used to feed power to another battery circuit)
Tan	FUEL PUMP	FUEL	20A	Fused 12 volt IGNITION feed for an electric fuel pump (may also be used to feed power to another ignition circuit).
Orange	POWER SEATS	BAT2	30A	Fused 12 volt BATTERY feed for power seats (may also be used to feed power to another battery circuit).
Red	POWER LOCKS	BAT1	20A	Fused 12 volt BATTERY feed for power locks (may also be used to feed power to another battery circuit).
Pink	POWER WINDOWS	PWO WDO	30A	Fused 12 volt ACCESSORY feed for power windows (may also be used to feed power to another accessory circuit).
Brown	IGNITION SW ACCY	ACCY1	30A	Fused 12 volt ACCESSORY feed for options.

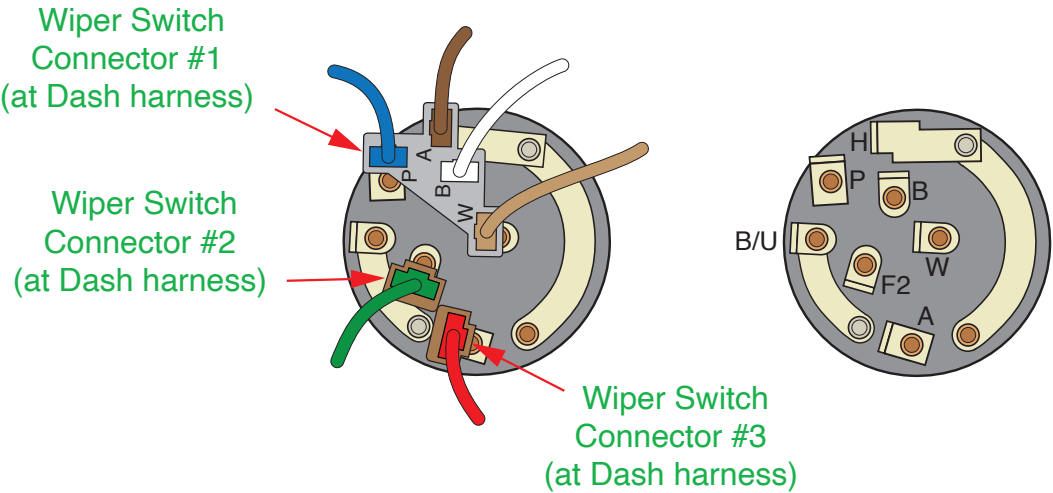


1971-74 Mopar B-Body Classic Update Series 510691 92972832 Rev 1.0 12/9/2022

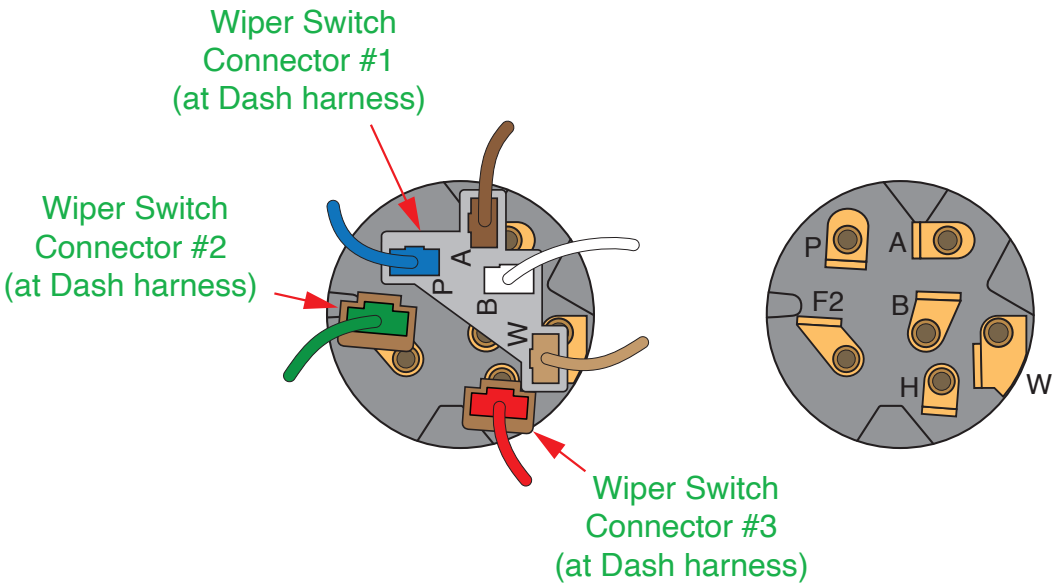
510787 Dash/Main harness installation instructions:

wiper switch wiring (Rallye & non-Rallye):

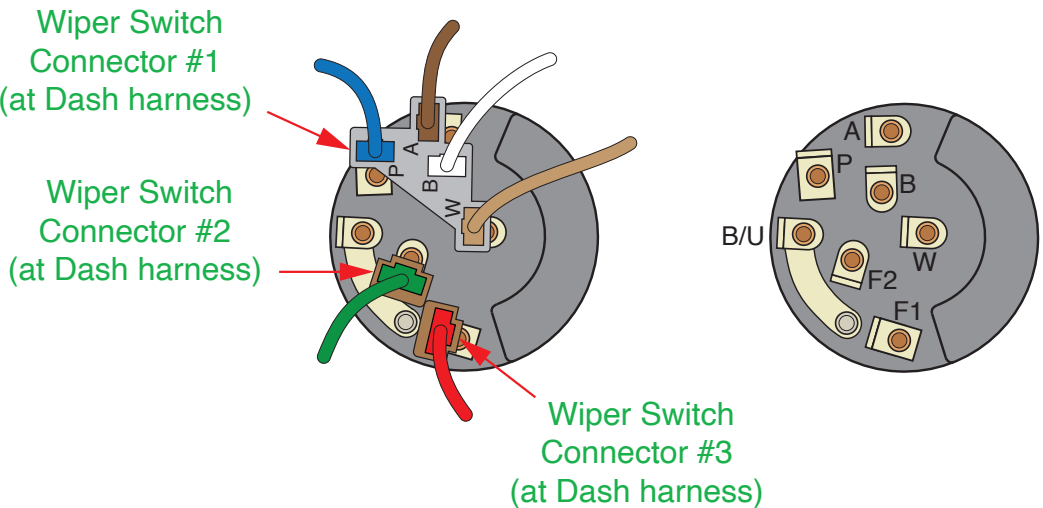
1971
2-speed
wiper switch



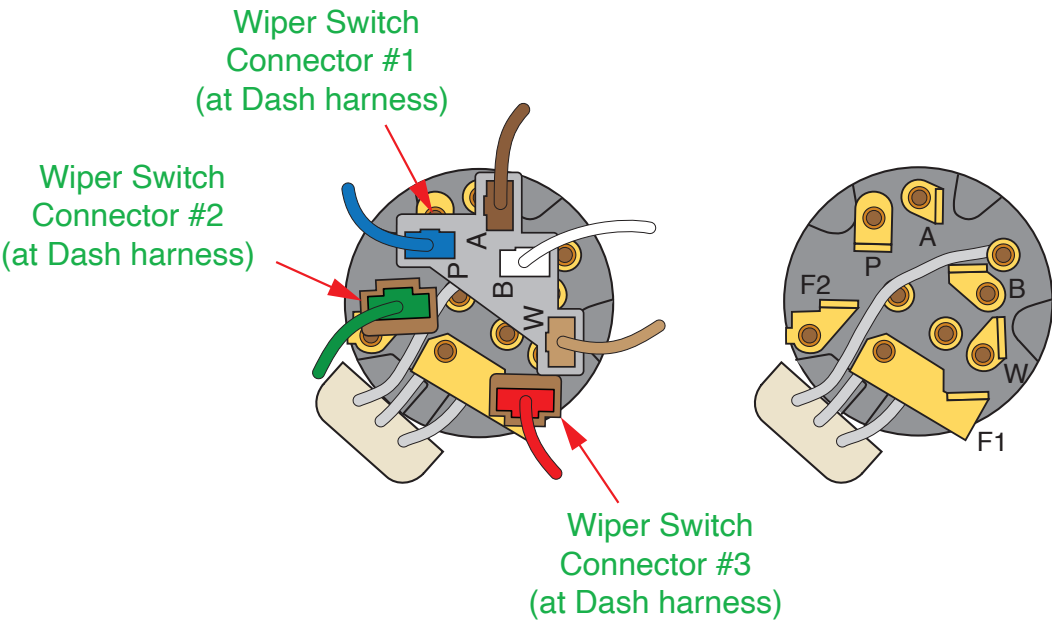
1972-74
2-speed
wiper switch



1971
variable-speed
wiper switch



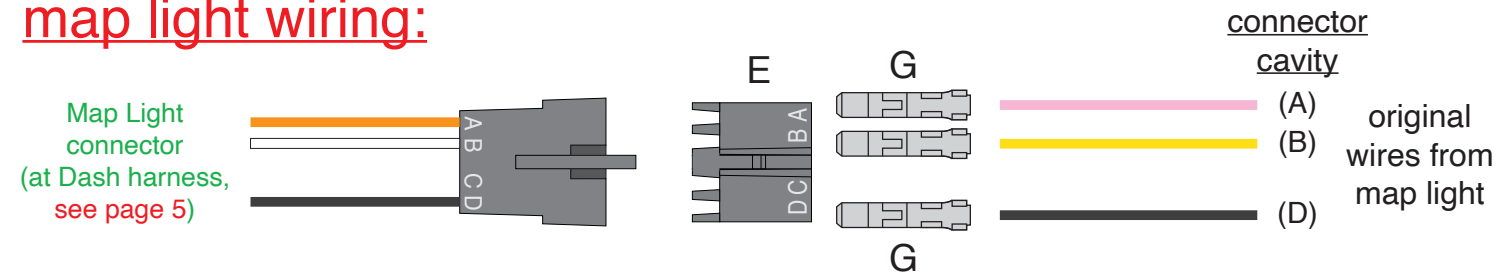
1972-74
3-speed
wiper switch



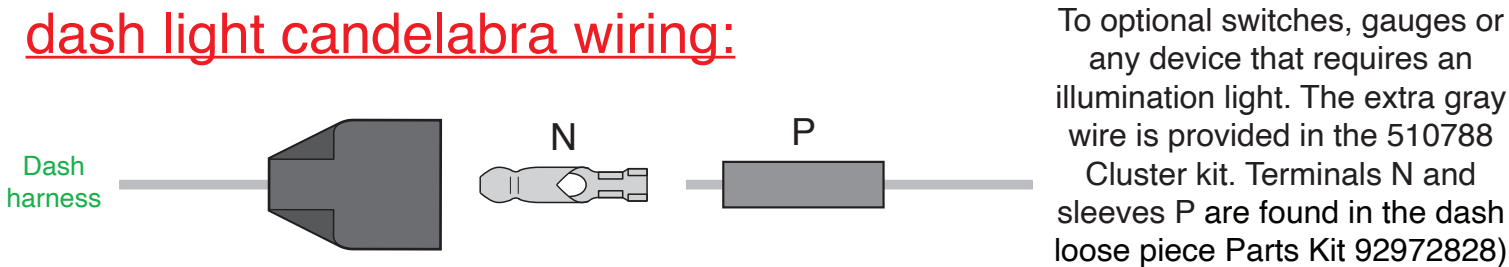
NOTE: To work correctly, switches must be properly grounded.
Switches are grounded through their mounting.

510787 Dash/Main harness installation instructions:

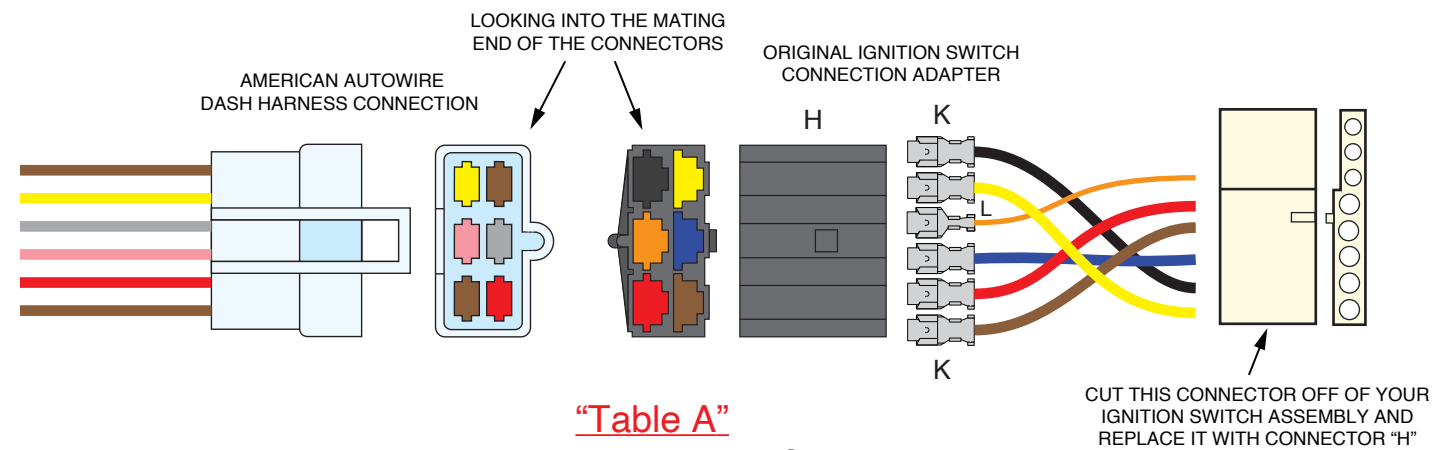
map light wiring:



dash light candelabra wiring:



ignition switch wiring:



"Table A"

Mopar B-Body 1971-74 Ignition Switch Wires

AAW Wire Color	AAW Wire Printing	Wire Description	B-Body Wire Color
Yellow	no printing	Start	Yellow
Brown (double)	IGNITION SW ACCY	12V Accessory Feed	Black
Pink	IGNITION FEED	12V Ignition Feed	Dark Blue
Gray (double)	DASH LIGHTS	Illumination Light	Orange
Brown	no printing	Resistor Bypass	Brown
Red	12V BATTERY	12V Battery Feed	Red

Note: Be sure to align the B-Body wire with the corresponding AAW wire in the 6-way connector "H". Crimp on terminal "L" for the thinner wires and terminal "K" for the thicker wires (see Parts Kit 92972828). The two additional thin red wires in the original stock Ignition Switch Connector pigtail, are for the Key-in-Ignition Warning Buzzer and **will not be used** and can be taped back.

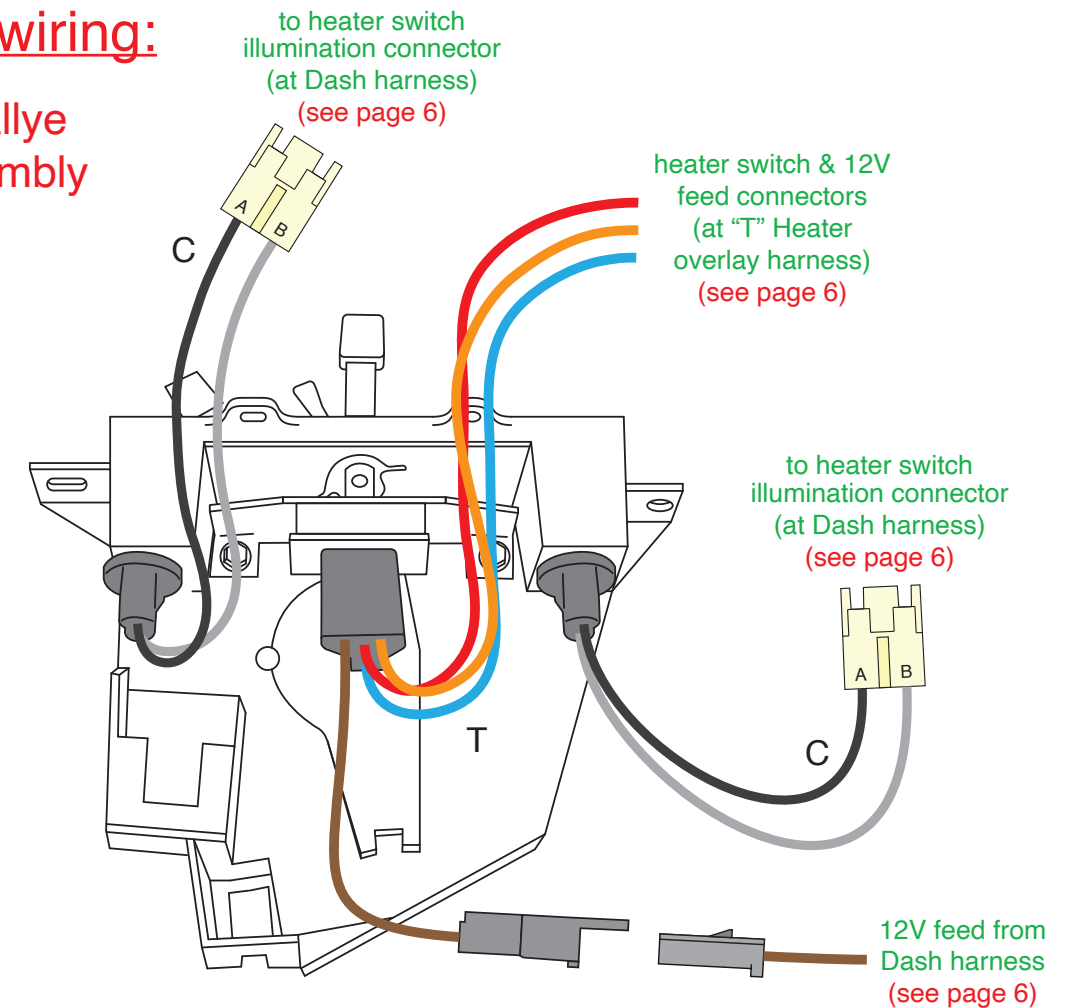


heater only control wiring:

1971-72 Rallye/Non-Rallye
Heater only control assembly
(top, rear view)

IF YOU HAVE PURCHASED THE 510474 A/C OVERLAY HARNESS, THE "T" HEATER OVERLAY HARNESS AND THE INSTRUCTIONS ON THIS PAGE, WILL BE REPLACED BY THE A/C OVERLAY HARNESS AND INSTRUCTIONS (SEE 510474 A/C KIT INSTRUCTION DRAWING 92972141)

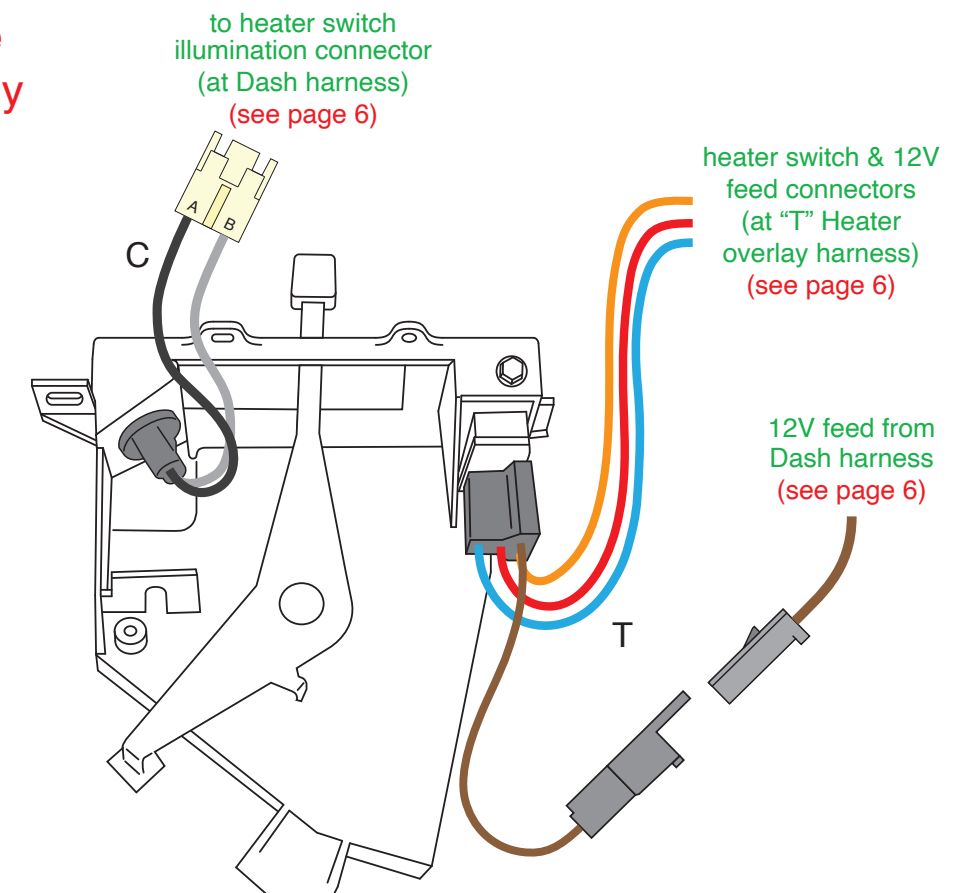
route wires
as shown



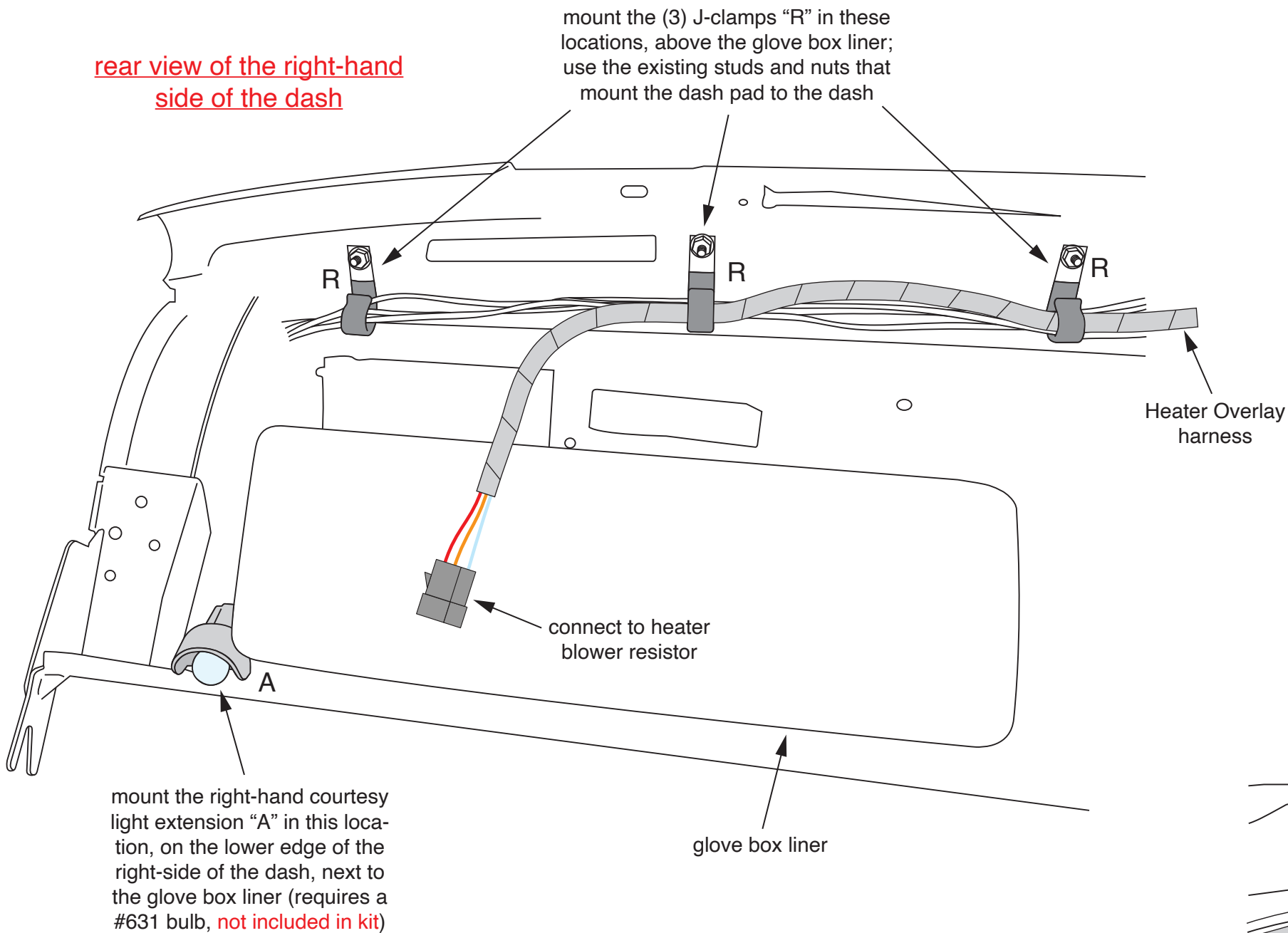
1973-74 Rallye/Non-Rallye
Heater only control assembly
(top, rear view)

IF YOU HAVE PURCHASED THE 510474 A/C OVERLAY HARNESS, THE "T" HEATER OVERLAY HARNESS AND THE INSTRUCTIONS ON THIS PAGE, WILL BE REPLACED BY THE A/C OVERLAY HARNESS AND INSTRUCTIONS (SEE 510474 A/C KIT INSTRUCTION DRAWING 92972141)

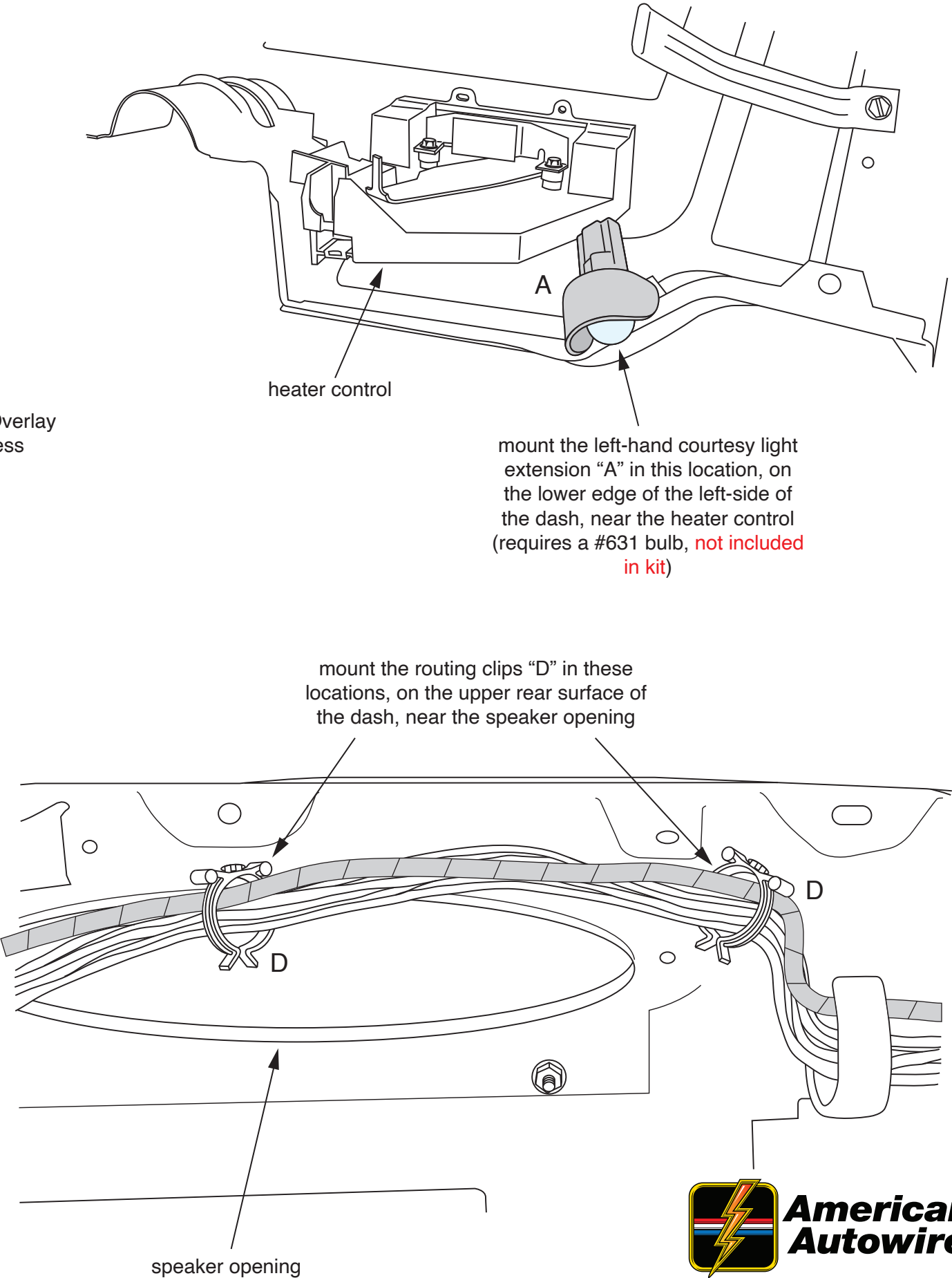
route wires
as shown



510787 Dash/Main harness installation instructions:



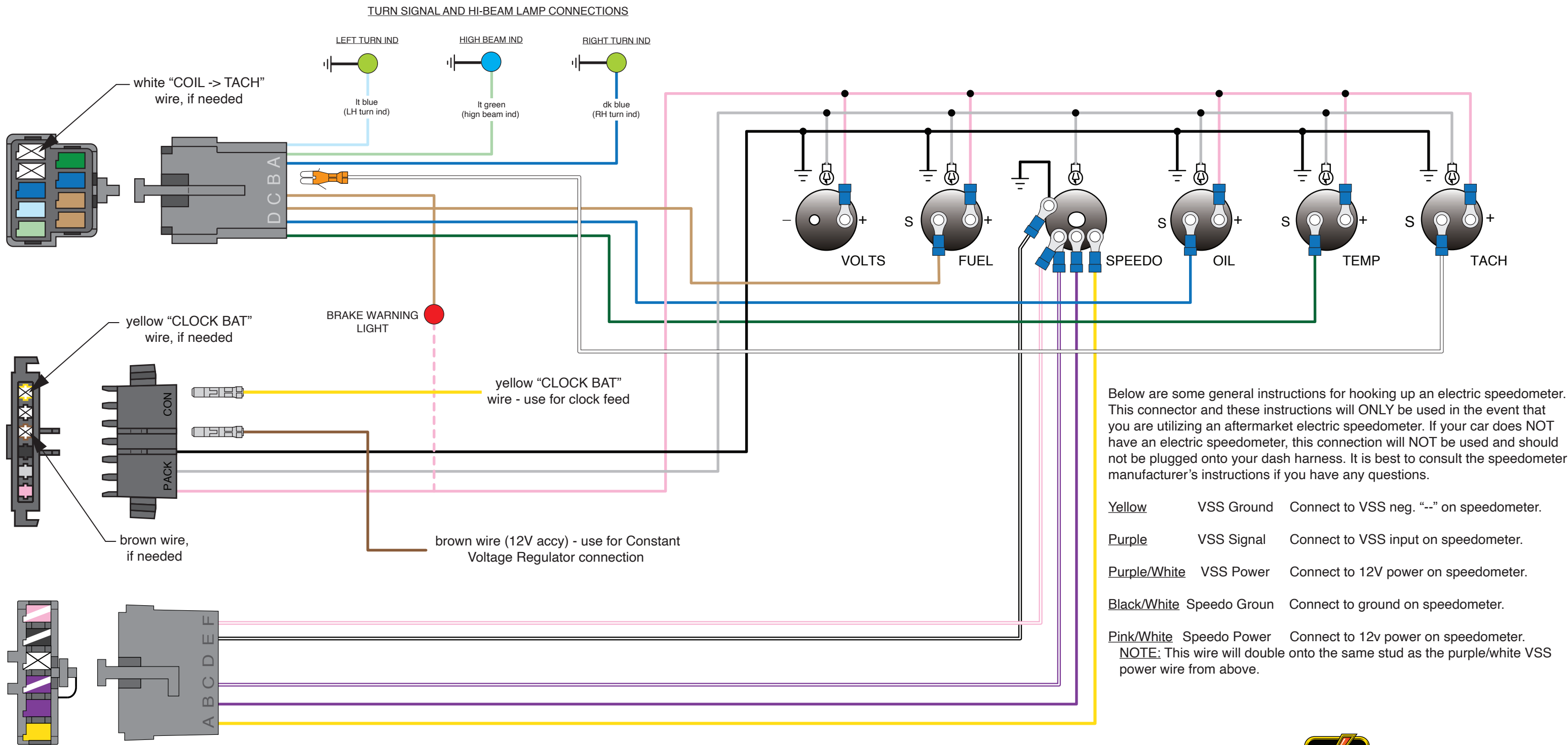
rear view of the left-hand side of the dash



rear view of the center of the dash, near speaker opening

1971-74 Mopar B-Body
Classic Update Series

510788 Gauge Cluster harness (aftermarket gauges) installation instructions:



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1971-74 Mopar B-Body
Classic Update Series

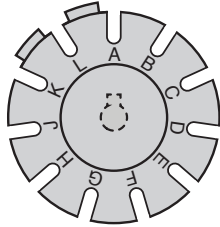
510691 92972832 Rev 1.0 12/9/2022

See pages 13-15

510788 Gauge Cluster harness installation instructions:


Shown below, are the misc. terminals, plastic connector bodies, sockets, sleeves, and hardware, included in the 510788 Gauge Cluster Loose Piece bag (92972831). These will be used to complete your Gauge Cluster harness connections. They are itemized and referred to on this page just as they are on the following pages of this Gauge Cluster instruction set.

A



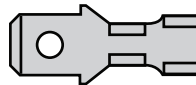
(11-way PCB connector, 1pc)

B




(female terminal, PCB connector, 13 pcs)

C



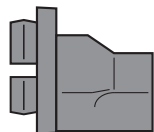
(male terminal, 1/4", 2 pcs)

D




(rubber sleeve, 4 pcs)

E




(2-wire light socket, 1 pc)

F




(socket terminal, 16 pcs)

G



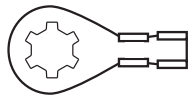
(spring, 2-wire light socket, 2 pcs)

H




(terminal, 2-wire light socket, 2 pcs)

J



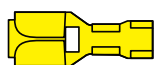
(ring terminal, 4 pcs)

K




(single female connector, 3 pcs)

L



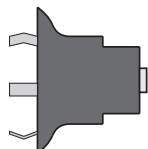
(female terminal, 4 pcs)

M




(clamp, 2 pcs)

N




(light socket, 11 pcs)

P




(splice clip, 3 pcs)

R



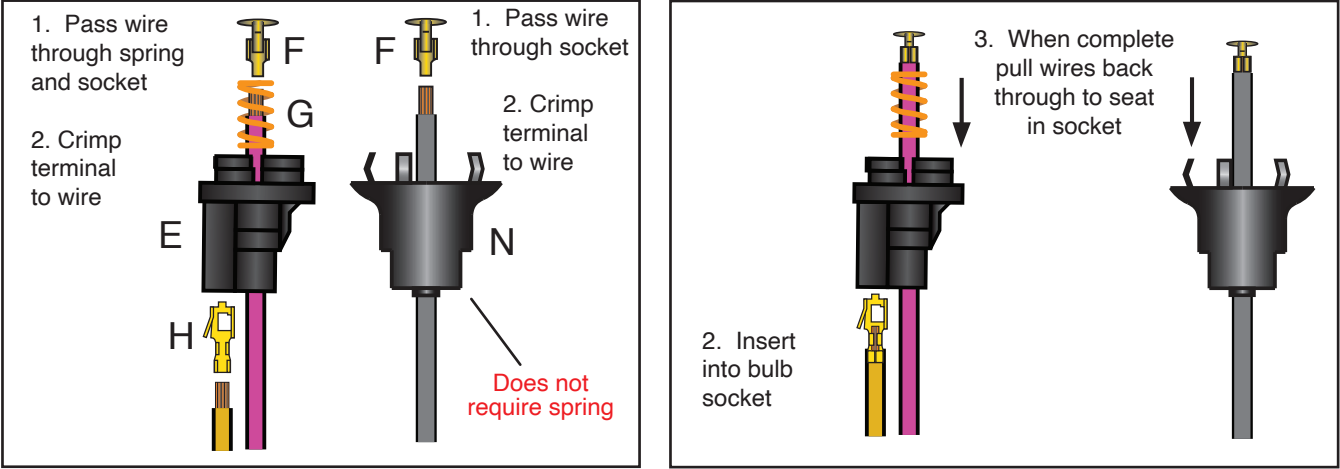
(locking-nut, 10 pcs)

S



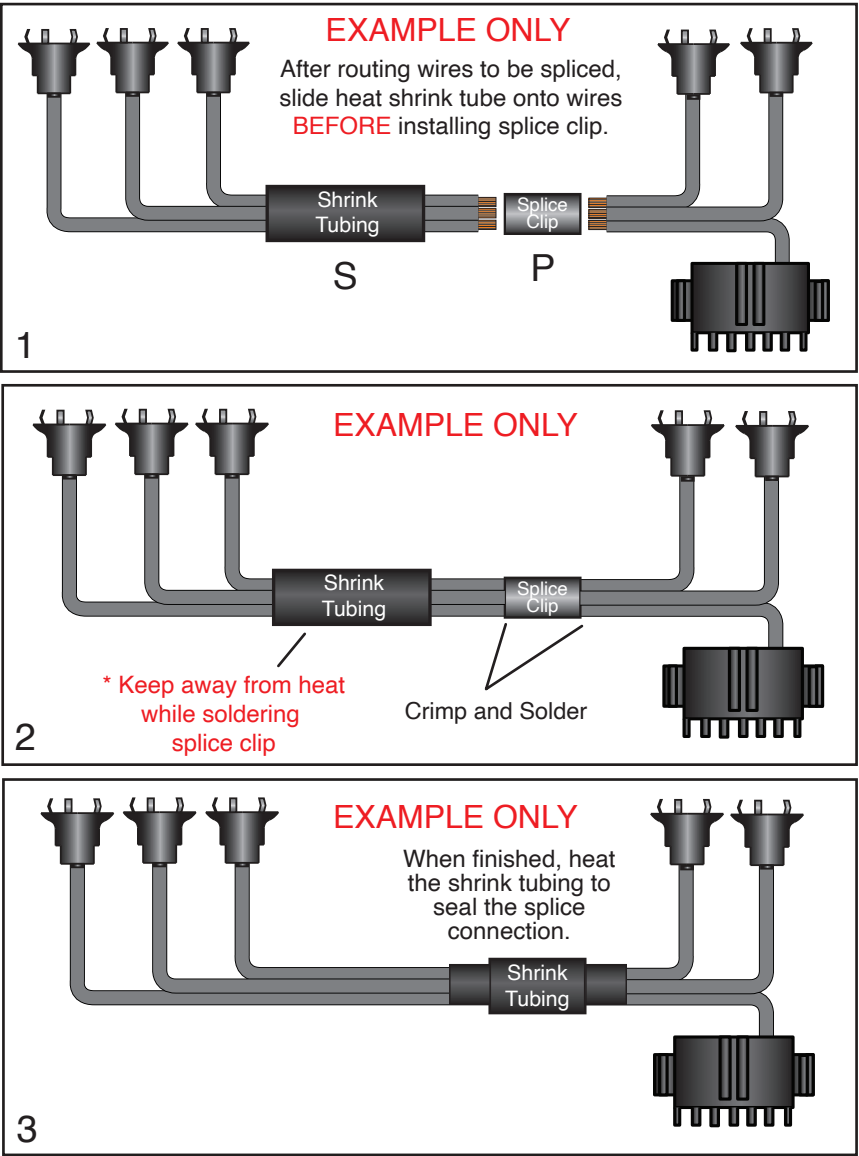
(shrink tubing, 3 pcs)

How to install light sockets and light socket terminals.



How to use the splice clip to join multiple wires.

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



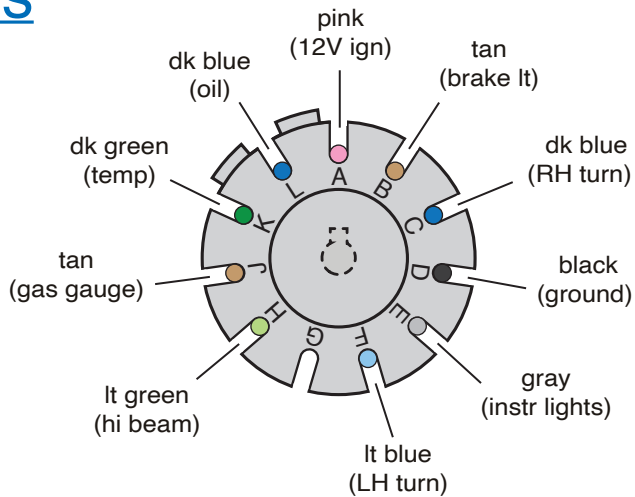
1971-74 Mopar B-Body
Classic Update Series
510691

92972832 Rev 1.0 12/9/2022

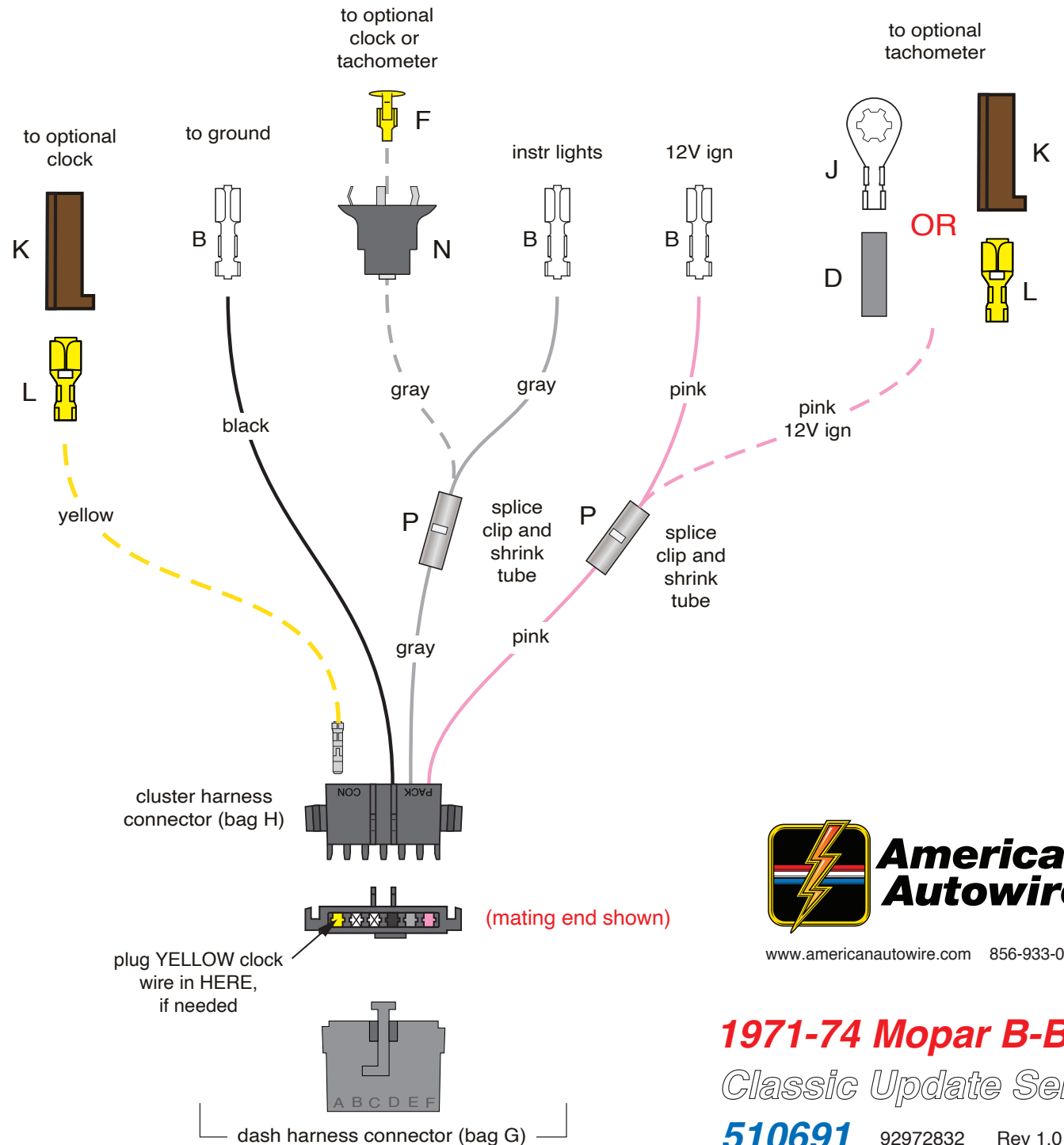
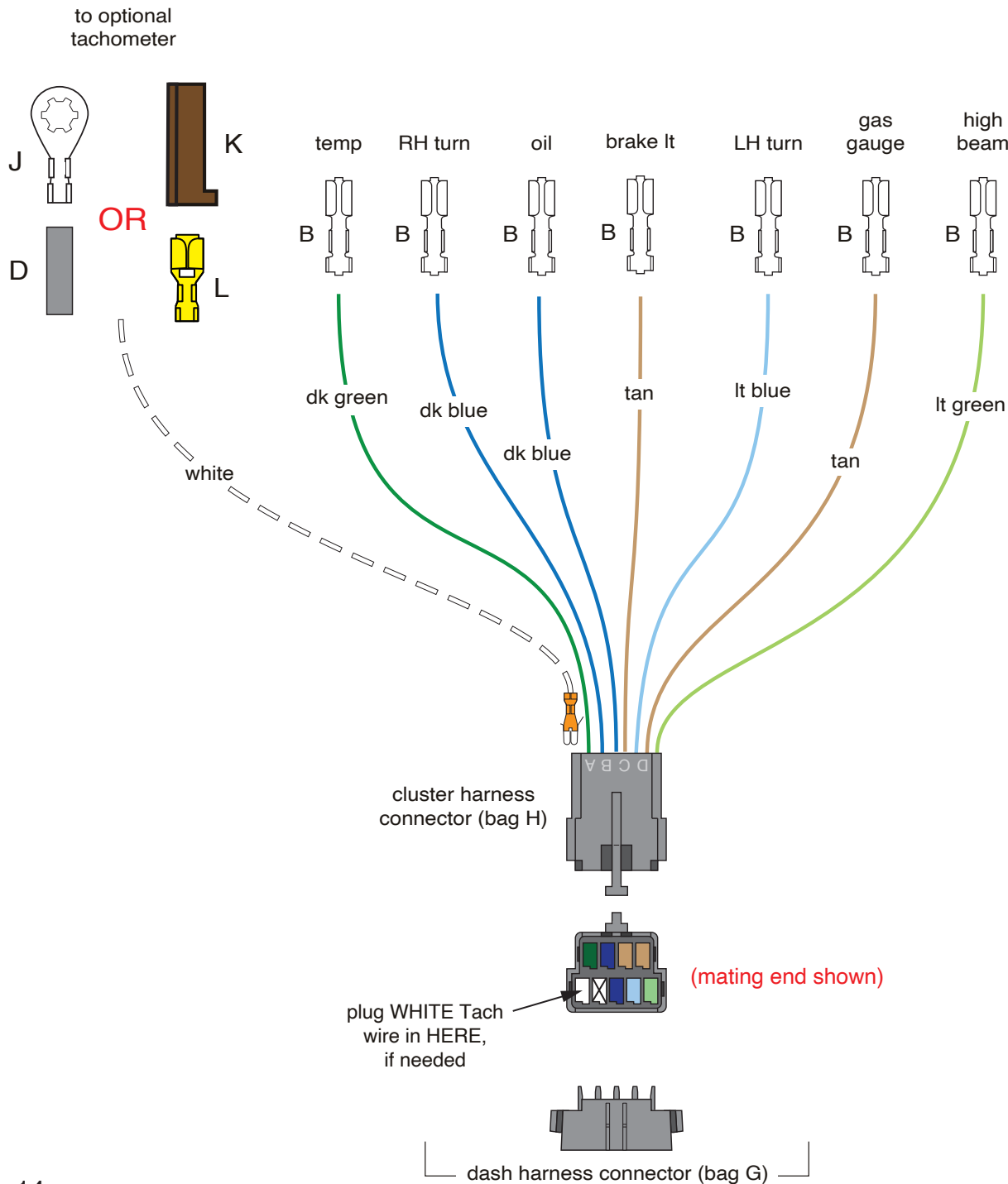
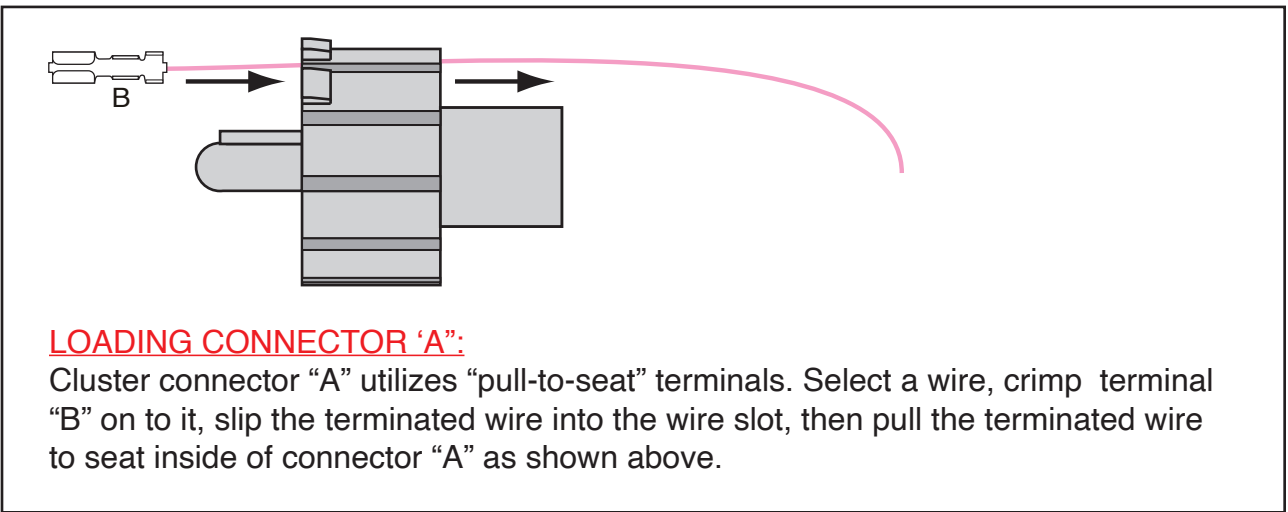
510788 Gauge Cluster harness installation instructions:

USE THIS SHEET TO CONNECT TO AN
ORIGINAL **NON-RALLYE** 1971-74 MOPAR B-BODY
FACTORY INSTRUMENT CLUSTER

Standard Gauges: All years



11-way Printed Circuit
Board Connector
CONNECTOR A
(wiring end shown)



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1971-74 Mopar B-Body
Classic Update Series
510691 92972832 Rev 1.0 12/9/2022

Rallye Sport

Gauges: All years

Diagram illustrating the optional tachometer wiring setup:

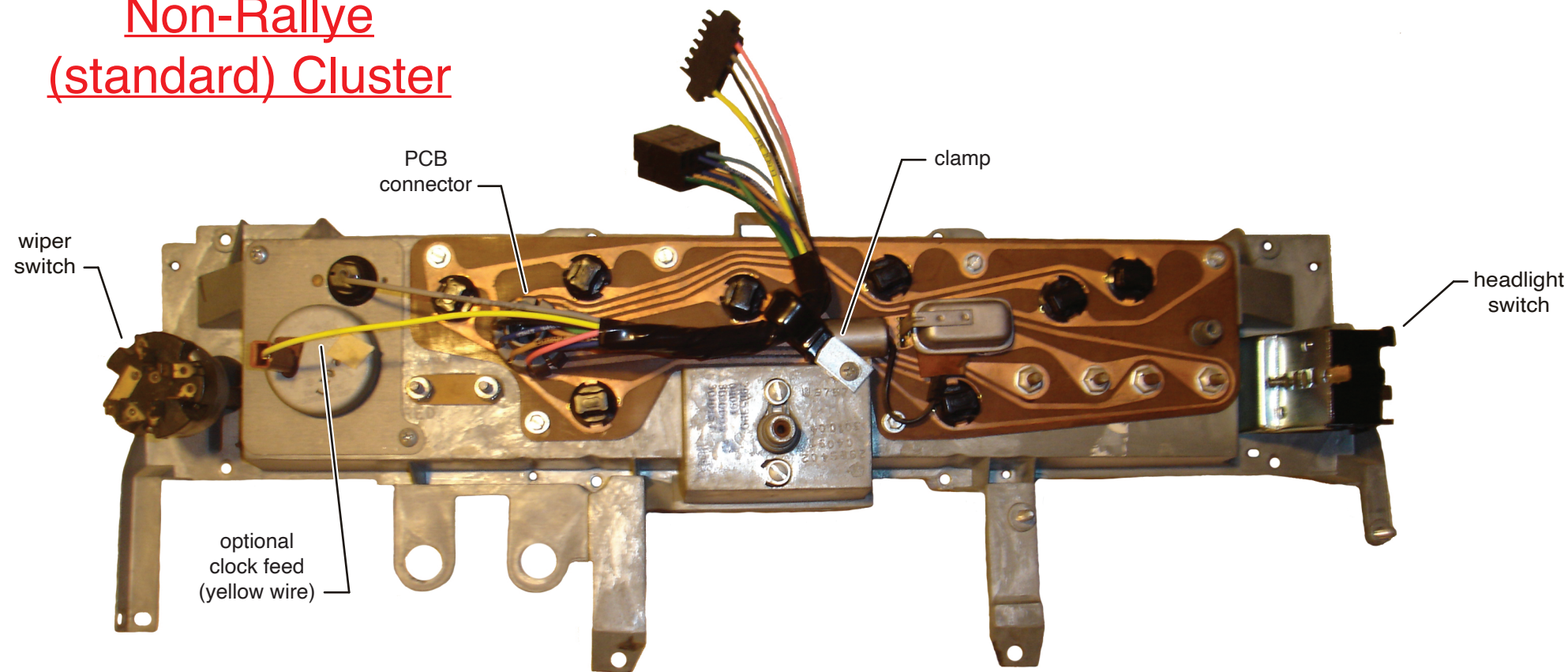
- to optional tachometer**: The main label for this section.
- J**: A light bulb, representing the tachometer.
- D**: A rectangular component, likely a resistor or diode.
- K**: A long, thin component, likely a fuse or relay.
- L**: A yellow component, likely a fuse or relay.
- P**: A splice clip and shrink tube, used for joining wires.
- pink 12V ign**: The ignition wire, shown in pink.
- splice clip and shrink tube**: The component used to join the wires.
- OR**: A red label indicating an alternative wiring configuration.



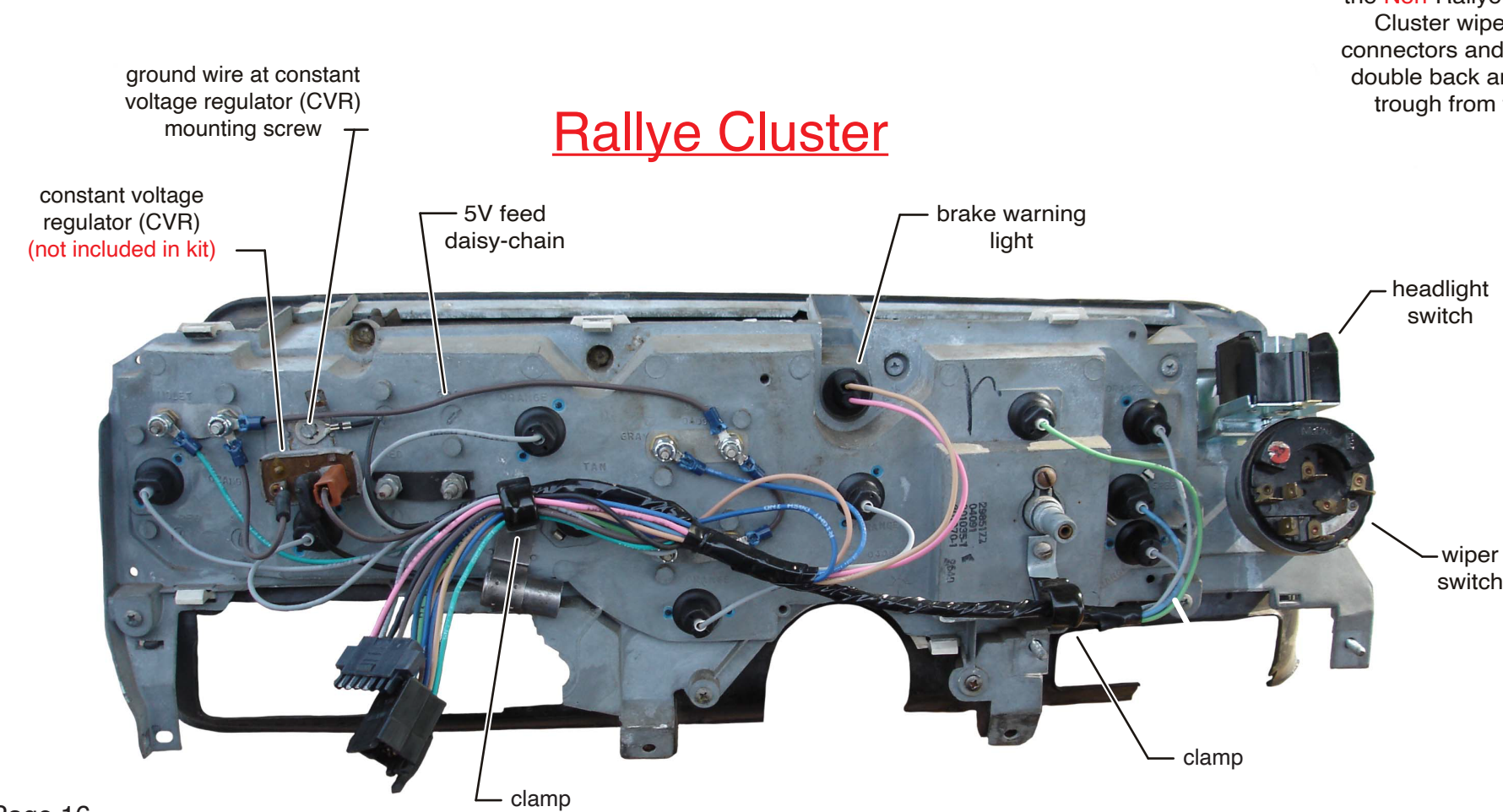
1971-74 Mopar B-Body
Classic Update Series
510691 92972832 Rev 1.0 12/9/2022

510788 Gauge Cluster harness installation instructions:

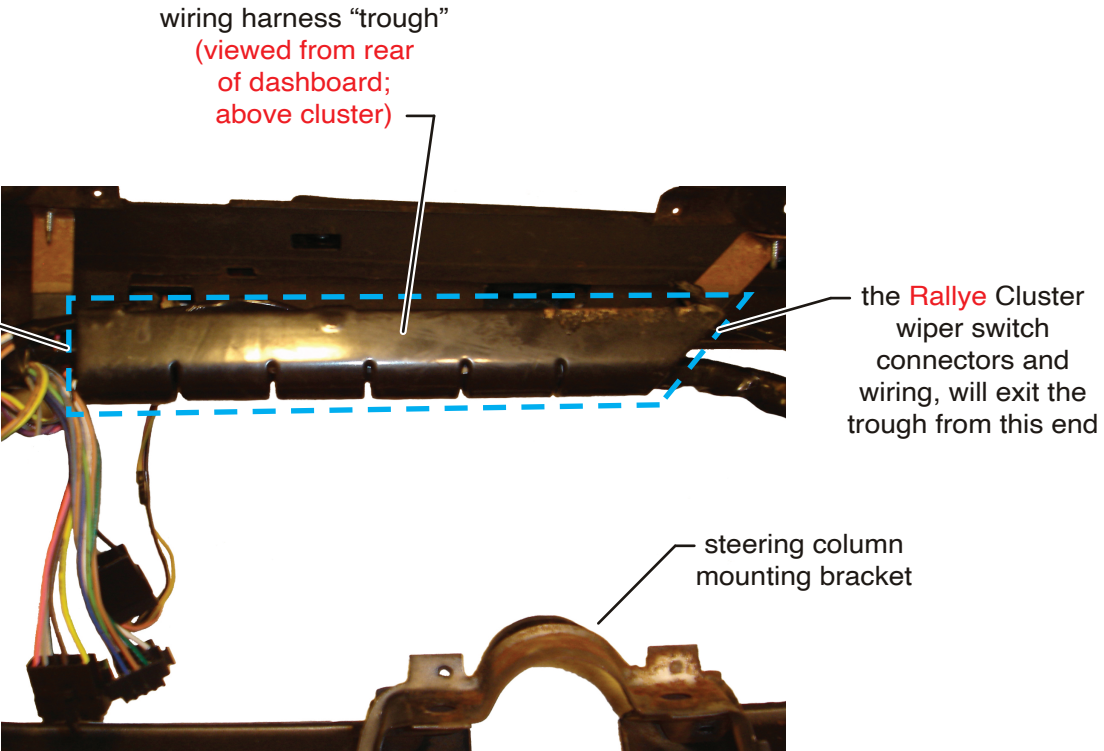
Non-Rallye
(standard) Cluster



Rallye Cluster




the Non-Rallye (standard) Cluster wiper switch connectors and wiring, will double back and exit the trough from this end



510696 Rear Body harness installation instructions:


Below are the supplied misc. terminals, connector bodies and assorted components included in the Rear Body Harness and Loose Piece bags. These will be used to complete your Rear Body Harness connections and are referred by the letters and descriptions below from this point forward.

A




(dome light socket pigtail - reference, 1 pc)

B



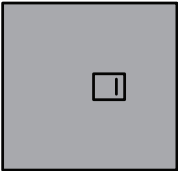
(side marker pigtail - reference, 2 pcs)

C



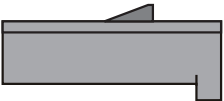
(fuel tank sender pigtail - reference, 1 pc)

D



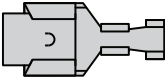
(56 Series 4-way female connector , 1 pc)

E



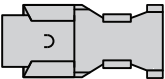
(56 Series single female connector , 1 pc)

F



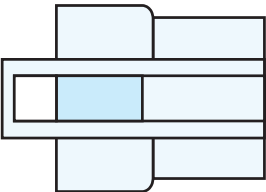
(56 Series single female terminal, 6 pcs)

G



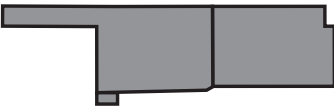
(56 Series double female terminal, 2 pcs)

H



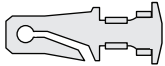
(56 Series 4-way male connector , 1 pc)

J




(56 Series single male connector , 1 pc)

K



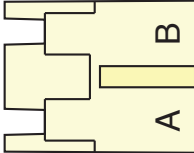
(56 Series single male terminal, 6 pcs)

L




(56 Series double male terminal, 2 pcs)

M




(Pack-Con 2-way male connector, 1 pc)

N




(Pack-Con male terminal, 4 pcs)

P



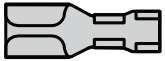
(fuel tank floor grommet, 1 pc)

Q




(male bullet terminal, 7 pcs)

R




(female terminal, 4 pcs)

S



(small rubber sleeve, 7 pcs)

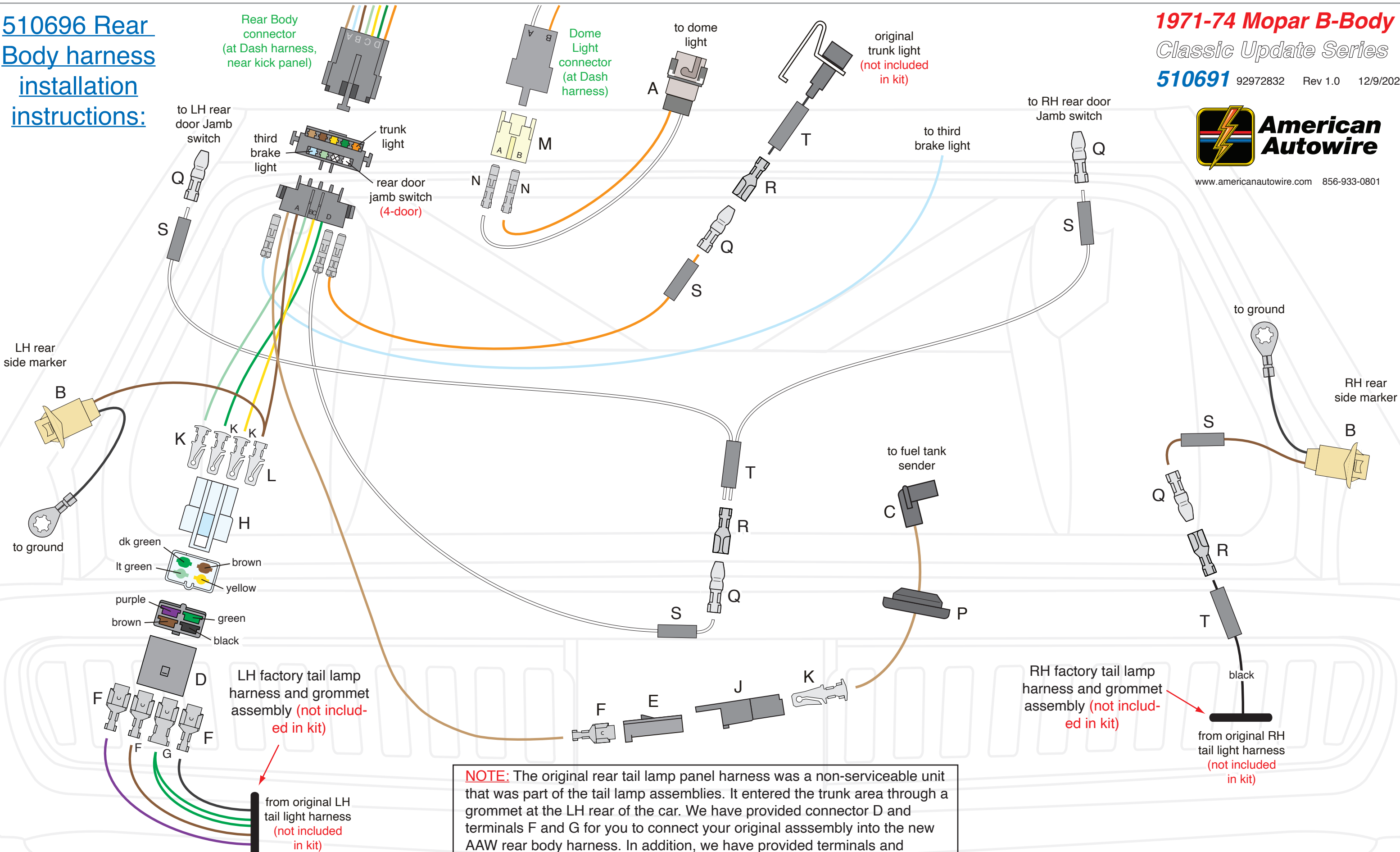
T



(large rubber sleeve, 4 pcs)



510696 Rear Body harness installation instructions:




NOTE: The original rear tail lamp panel harness was a non-serviceable unit that was part of the tail lamp assemblies. It entered the trunk area through a grommet at the LH rear of the car. We have provided connector D and terminals F and G for you to connect your original assembly into the new AAW rear body harness. In addition, we have provided terminals and sleeves Q, R, S and T to allow you to add a new RH rear side marker lamp socket pigtail assembly B to your car.

510695 Front Light harness installation instructions:

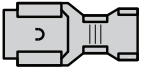
Below are the supplied misc. terminals, connector bodies and assorted components included in the Front Light Harness and Loose Piece bags. These will be used to complete your Front Light Harness connections and are referred by the letters and descriptions below from this point forward.

A



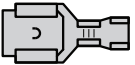
(Headlight pigtail - reference, 2 pcs)

B



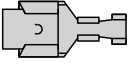
(59 Series double female terminal, 8 pcs)

C



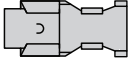
(59 Series single female terminal, 4 pcs)

D



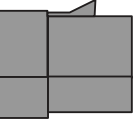
(56 Series single female terminal, 9 pcs)

E




(56 Series double female terminal, 10 pcs)

F



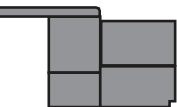
(56 Series 3-way female connector, 2 pcs)

G



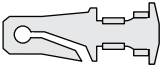
(59 Series 2-way female connector, 2 pcs)

H




(56 Series 3-way male connector, 2 pcs)

J




(56 Series single male terminal, 9 pcs)

K




(single female terminal, 4 pcs)

L



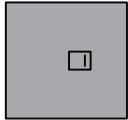
(rubber sleeve, 4 pcs)

M



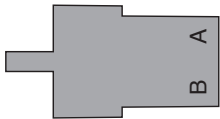
(56 Series single female connector, 2 pcs)

N



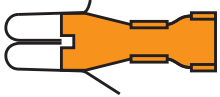
(56 Series 4-way female connector, 1 pc)

P



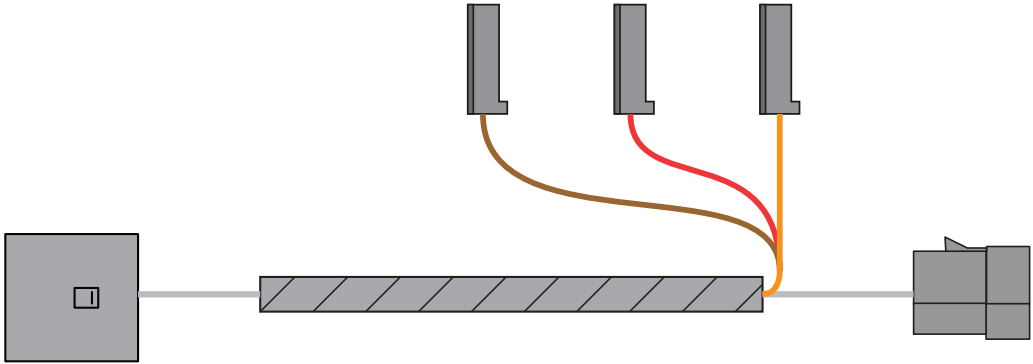
(Pack Con 2-way female connector, 2 pcs)

Q




(Pack Con female terminal, 6 pcs)

R



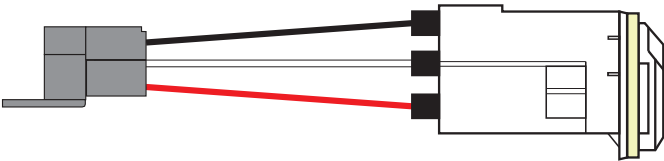
(2-speed wiper motor jumper harness - reference, 1 pc)

S




(side marker light extensions - reference, 2 pcs)

T




(73-74 Plymouth 2-dr Park/Turn socket & pigtail - reference, 2 pcs)

U



(electric fan wire - reference, 1 pc)



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1971-74 Mopar B-Body
Classic Update Series
510691

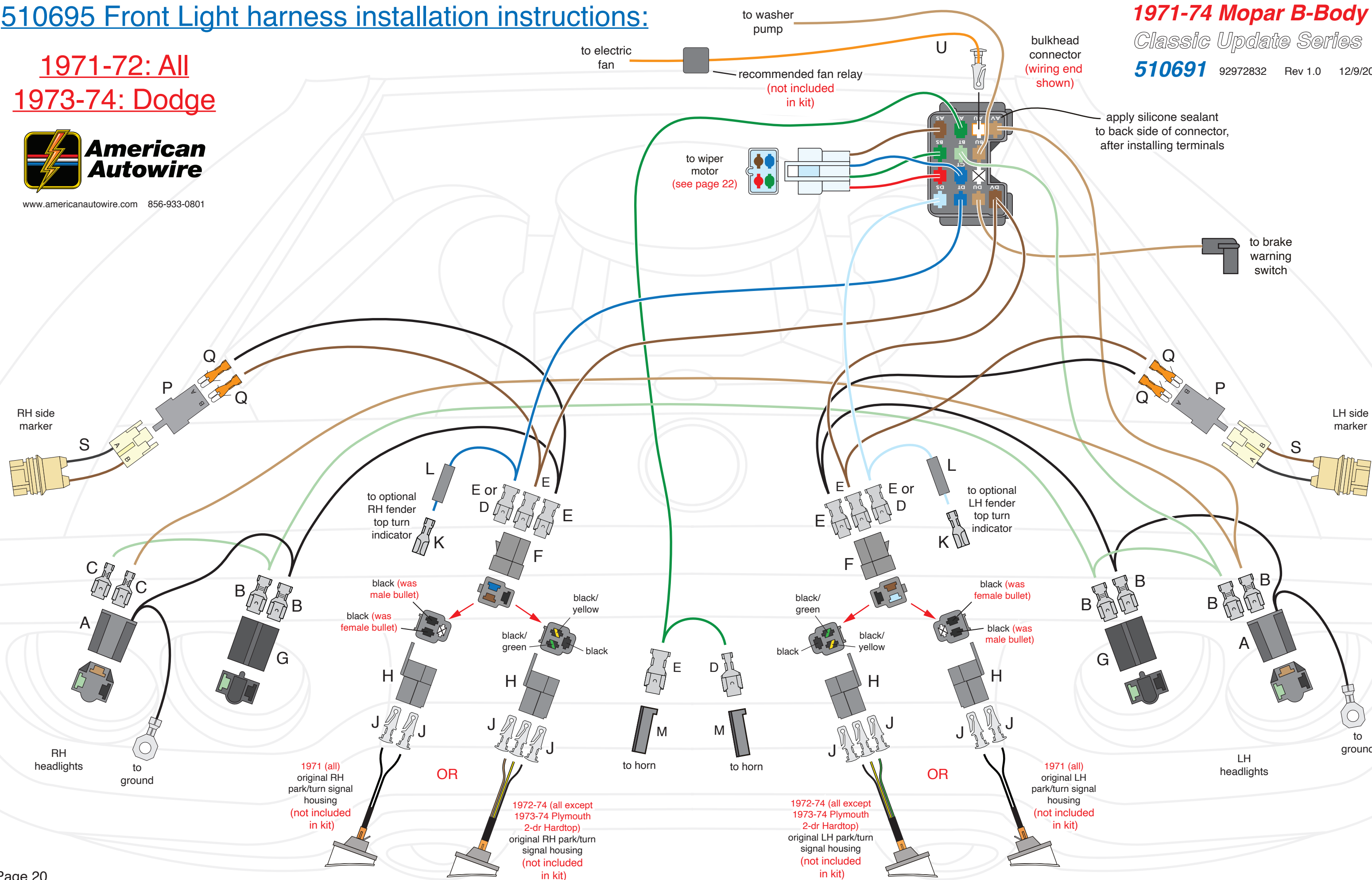
92972832 Rev 1.0 12/9/2022

510695 Front Light harness installation instructions:

1971-72: All
1973-74: Dodge



1971-74 Mopar B-Body
Classic Update Series
510691 92972832 Rev 1.0 12/9/2022

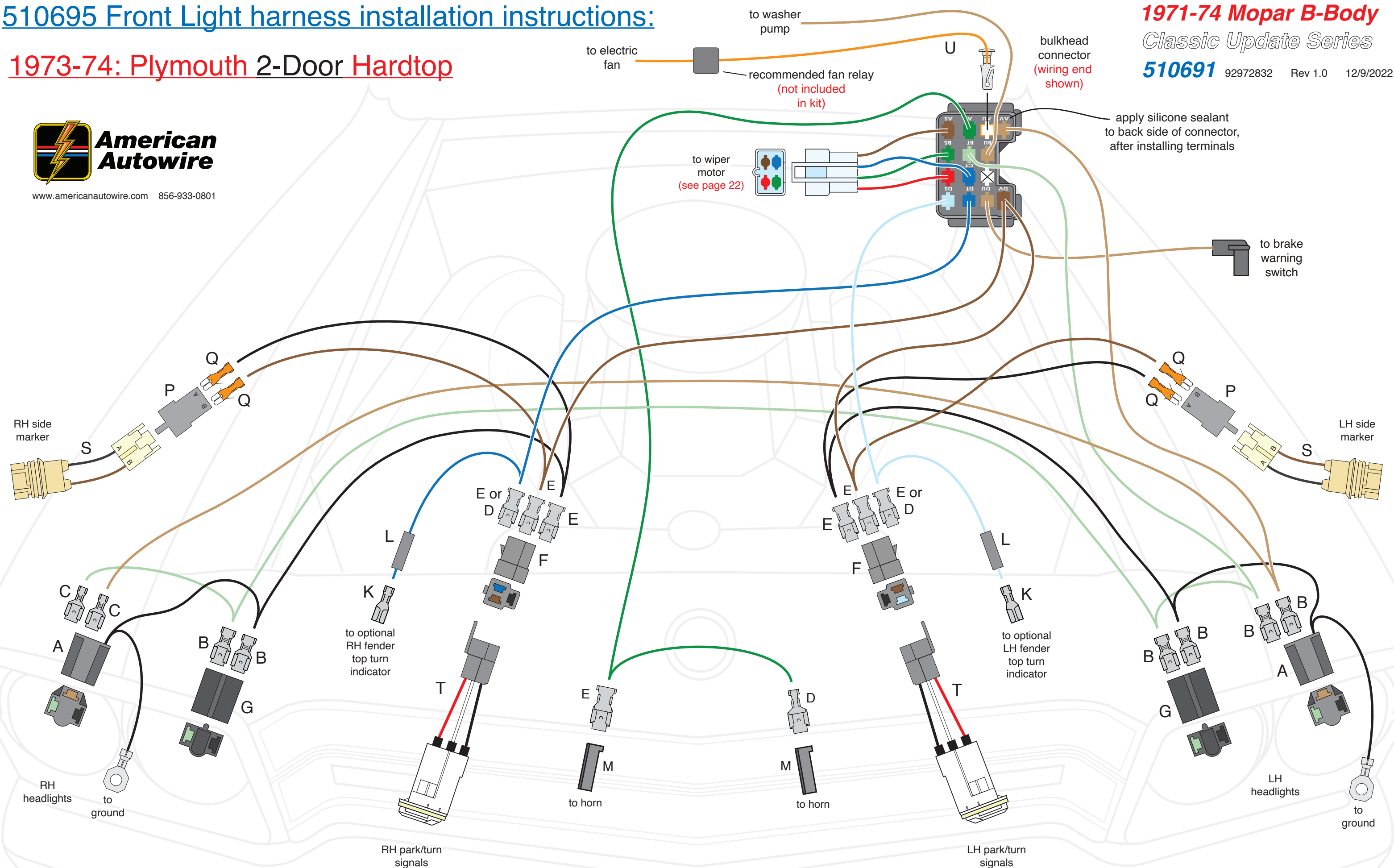


510695 Front Light harness installation instructions:

1973-74: Plymouth 2-Door Hardtop

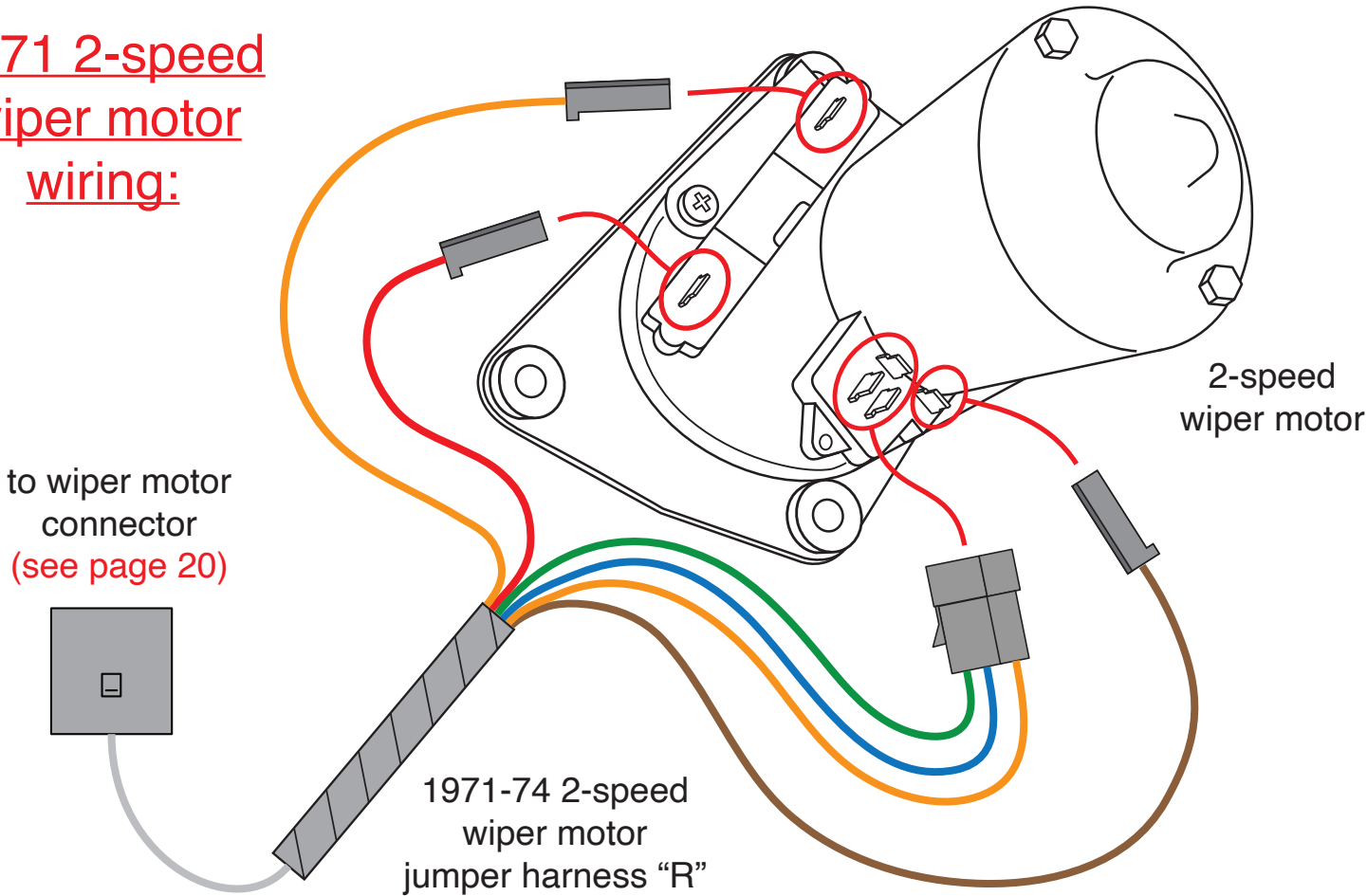


1971-74 Mopar B-Body
Classic Update Series
510691 92972832 Rev 1.0 12/9/2022

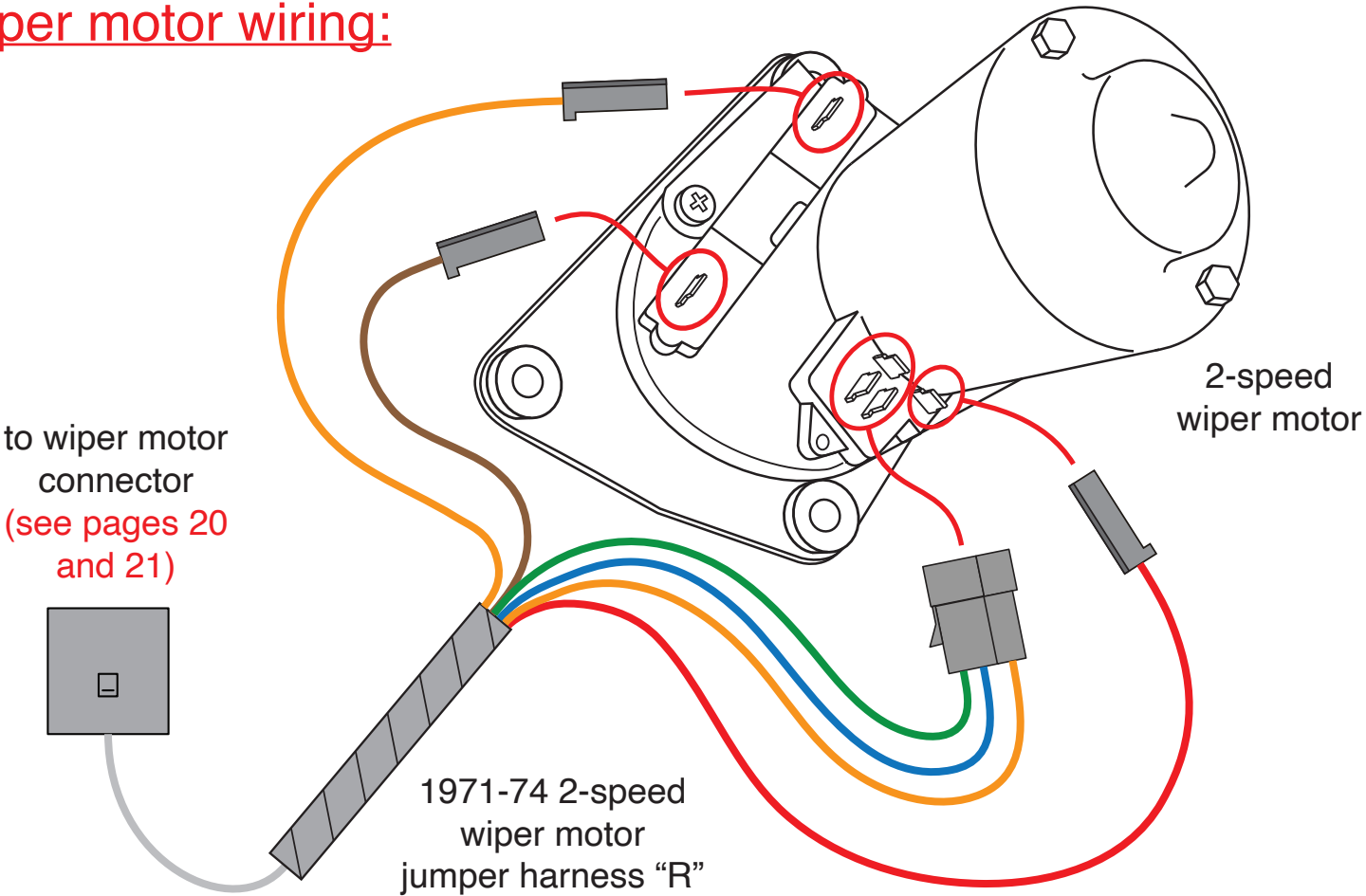


510695 Front Light harness installation instructions:

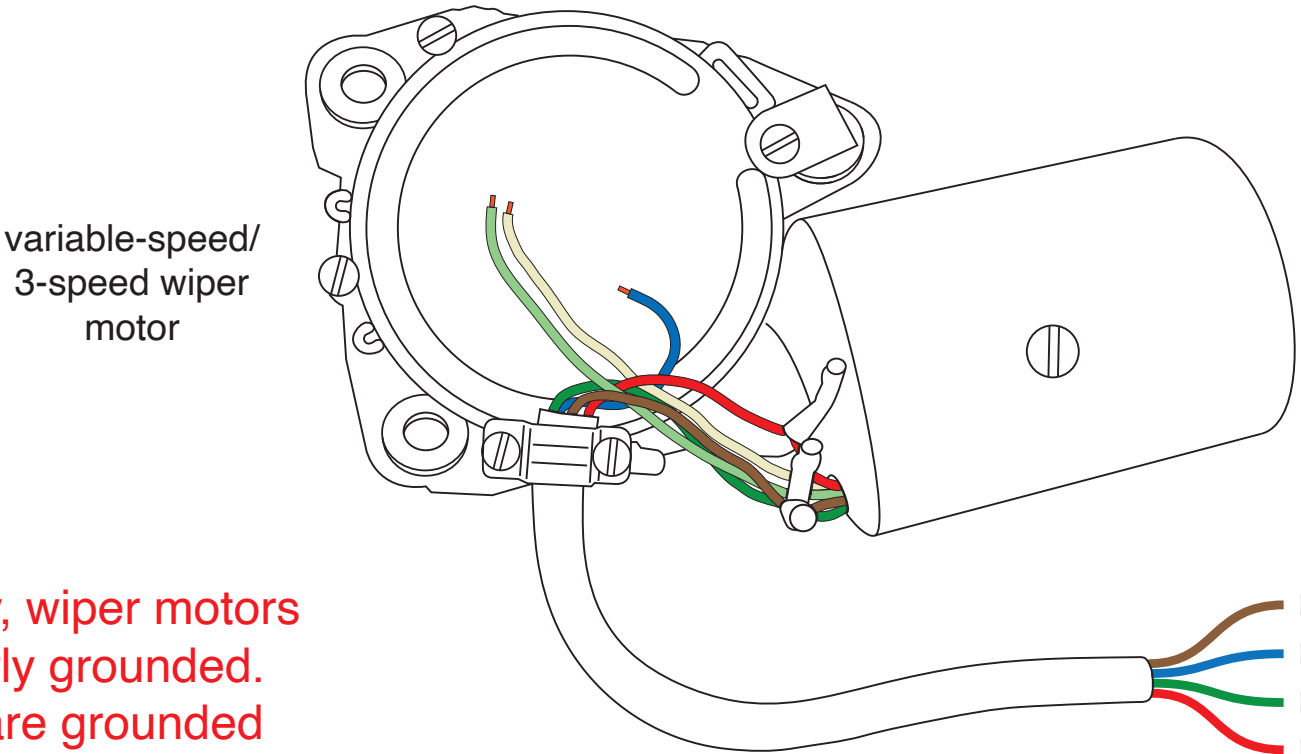
1971 2-speed
wiper motor
wiring:



1972-74 2-speed
wiper motor wiring:



1971 variable-speed and
1972-74 3-speed wiper
motor wiring:



NOTE: Mating connector N and terminals D, to complete your wiper motor connection, are located in the loose piece kit for this harness (92971829).

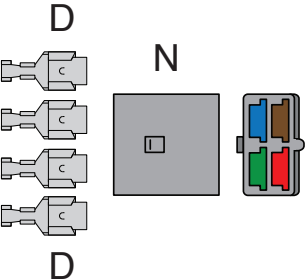
NOTE:
To work correctly, wiper motors must be properly grounded. Wiper motors are grounded through their mounting.



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1971-74 Mopar B-Body
Classic Update Series

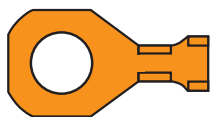
510691 92972832 Rev 1.0 12/9/2022



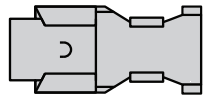
to wiper motor
connector
(see pages 20
and 21)

510786 Engine harness installation instructions:

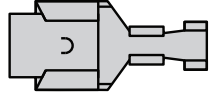
Below are the supplied misc. terminals, connector bodies and assorted components included in the Engine Harness and Loose Piece bags. These will be used to complete your Engine Harness connections and are referred by the letters and descriptions below from this point forward.

A


(ring terminal, 4 pcs)

B


(56 Series double female terminal, 6 pcs)

C


(56 Series single female terminal, 9 pcs)

D


(56 Series single female connector, 8 pcs)

E


(large sleeve, 6 pcs)

G

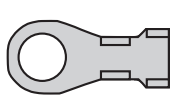
(56 Series single female connector, 2 pcs)

H


(ring terminal, 3 pcs)

J


(56 Series single male terminal, 2 pcs)

L

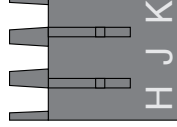
(ring terminal, 3 pcs)

M

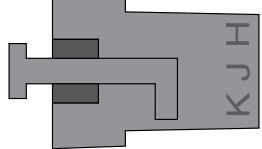
(ring terminal, 4 pcs)

N


(small sleeve, 7 pcs)

P


(Pack Con 3-way male connector, 1 pc)

Q


(Pack Con 3-way female connector, 1 pc)

R


(clutch interlock ground pigtail - reference, 1 pc)

S


(starter solenoid feed pigtail - reference, 1 pc)

T


(starter to starter relay pigtail, 1 pc)

U


(electric choke pigtail - reference, 1 pc)

V


(56 Series single female connector, 1 pc)

W

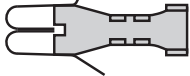
(56 Series single female connector, 1 pc)

X

(back-up lamp feed - reference, 1 pc)

Y

(Pack Con male terminal, 4 pcs)

Z

(Pack Con female terminal, 4 pcs)

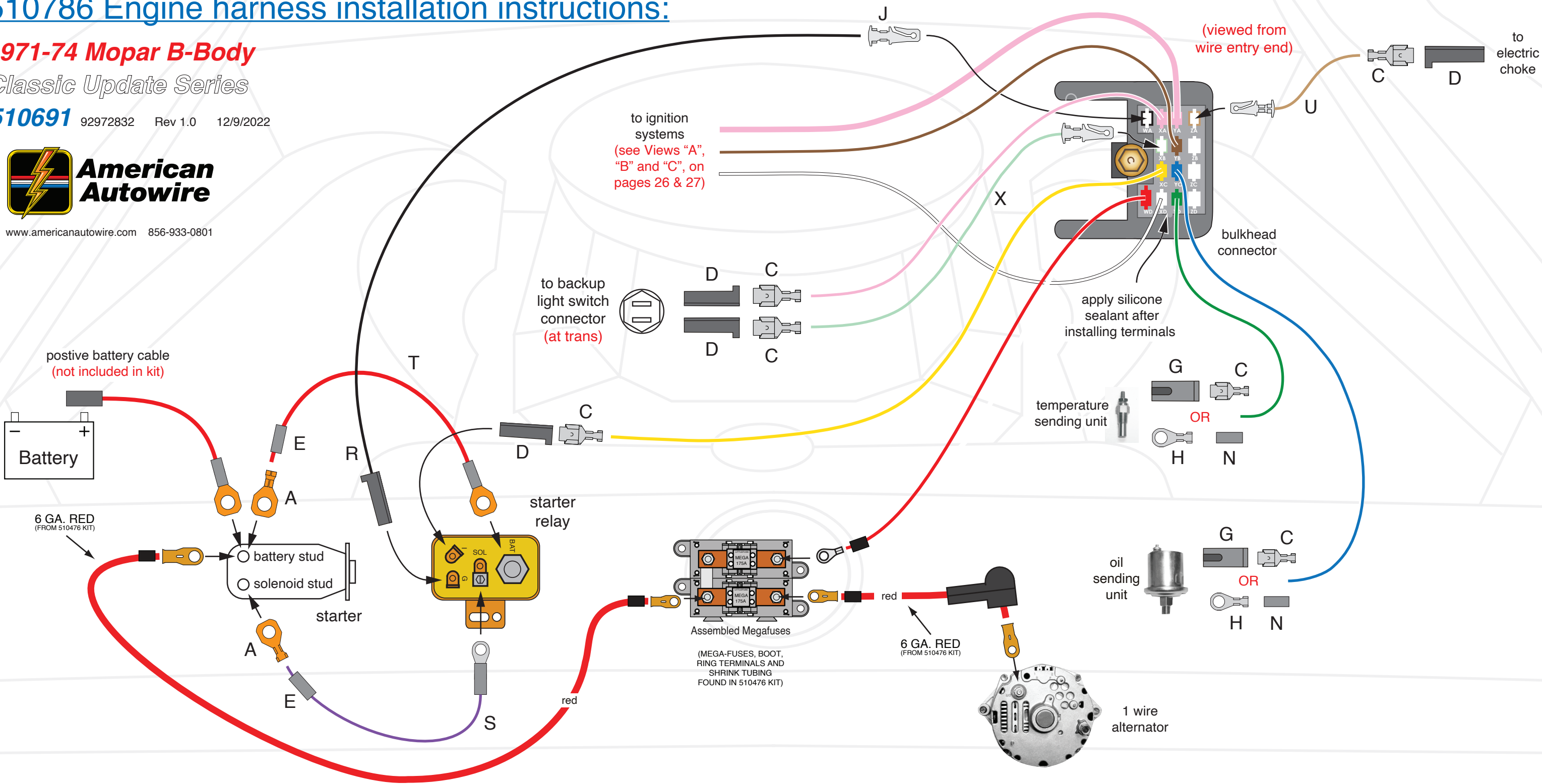
510786 Engine harness installation instructions:

1971-74 Mopar B-Body
Classic Update Series

510691 92972832 Rev 1.0 12/9/2022

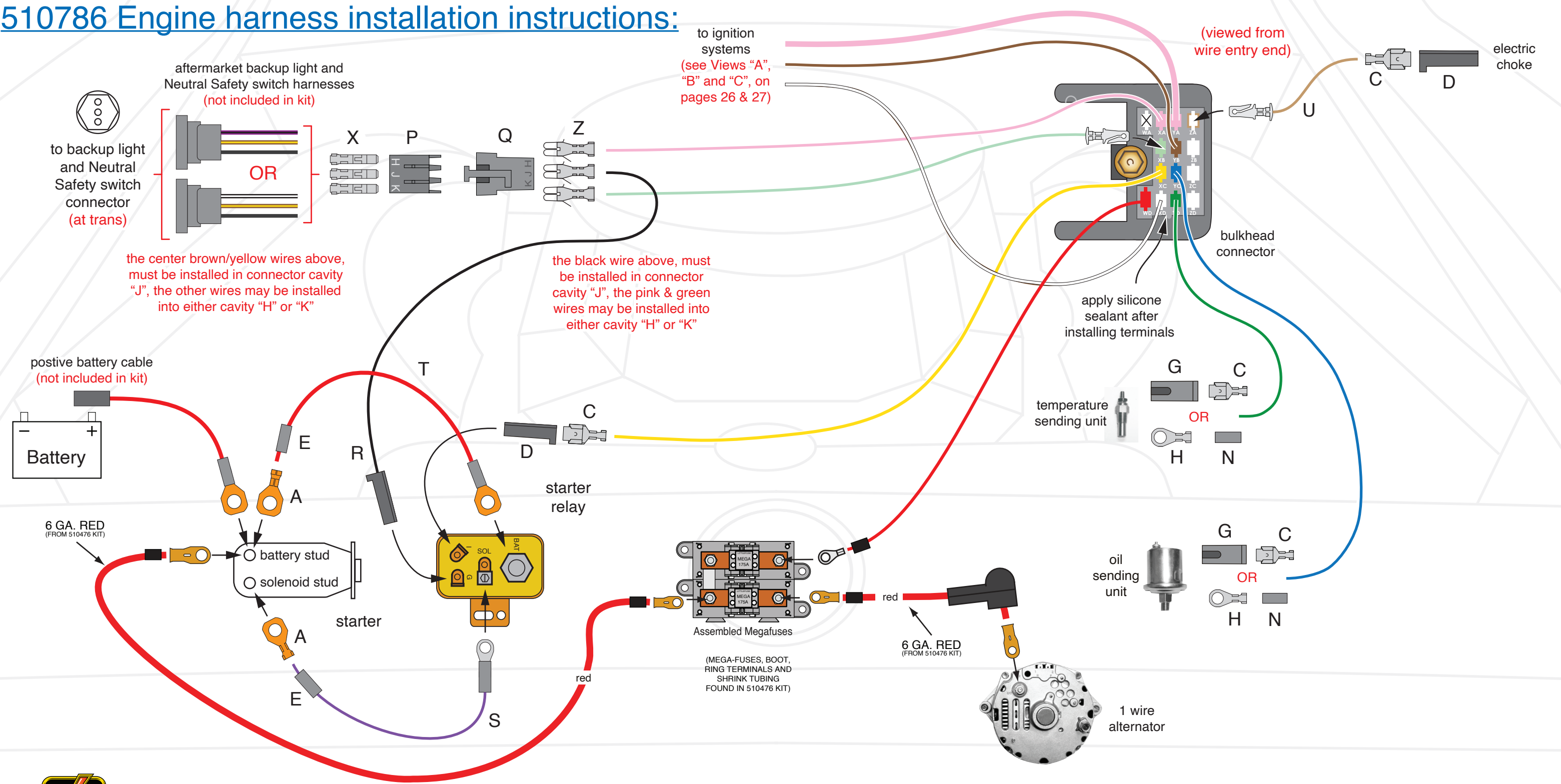


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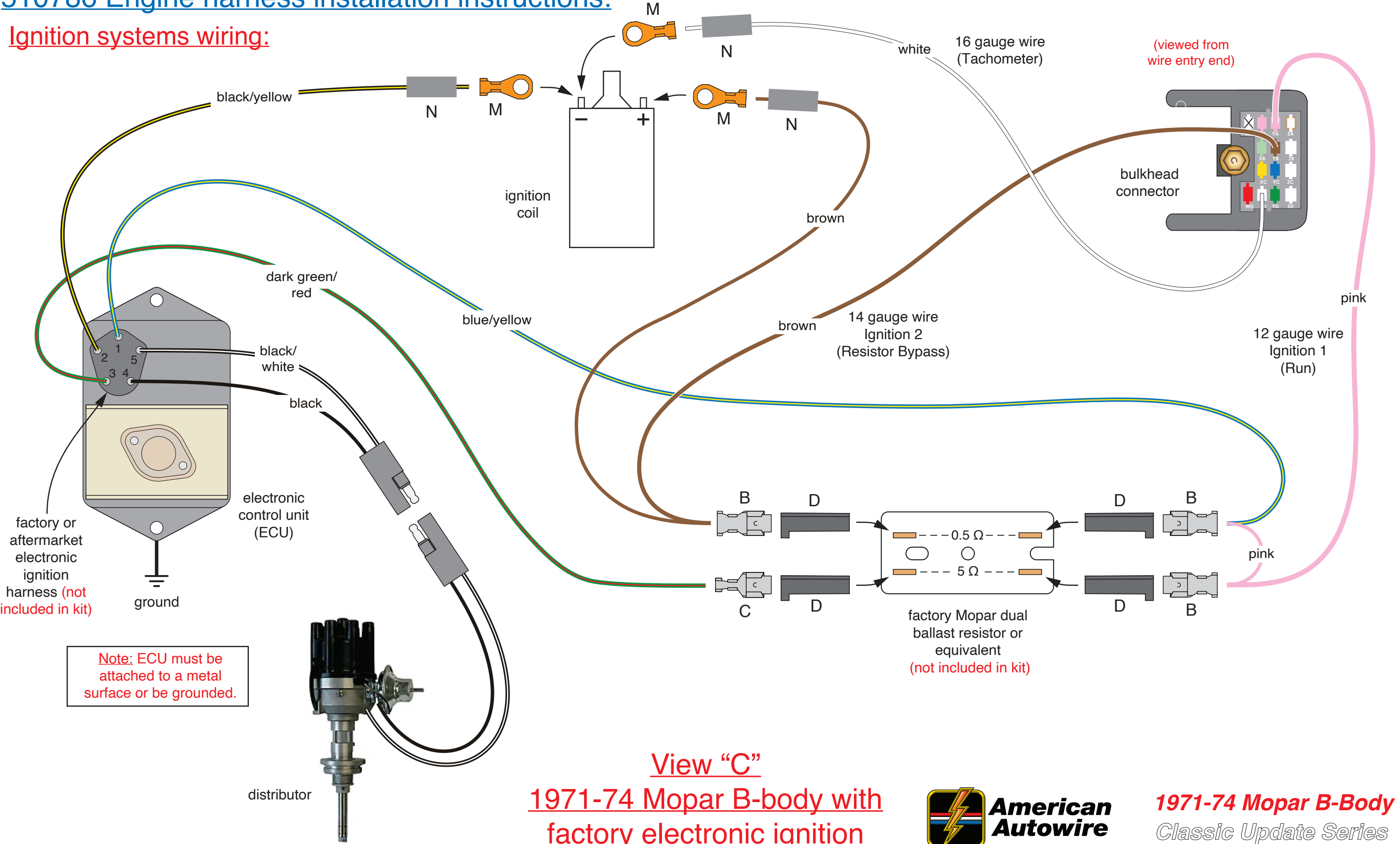
ALL MANUAL
TRANS

510786 Engine harness installation instructions:



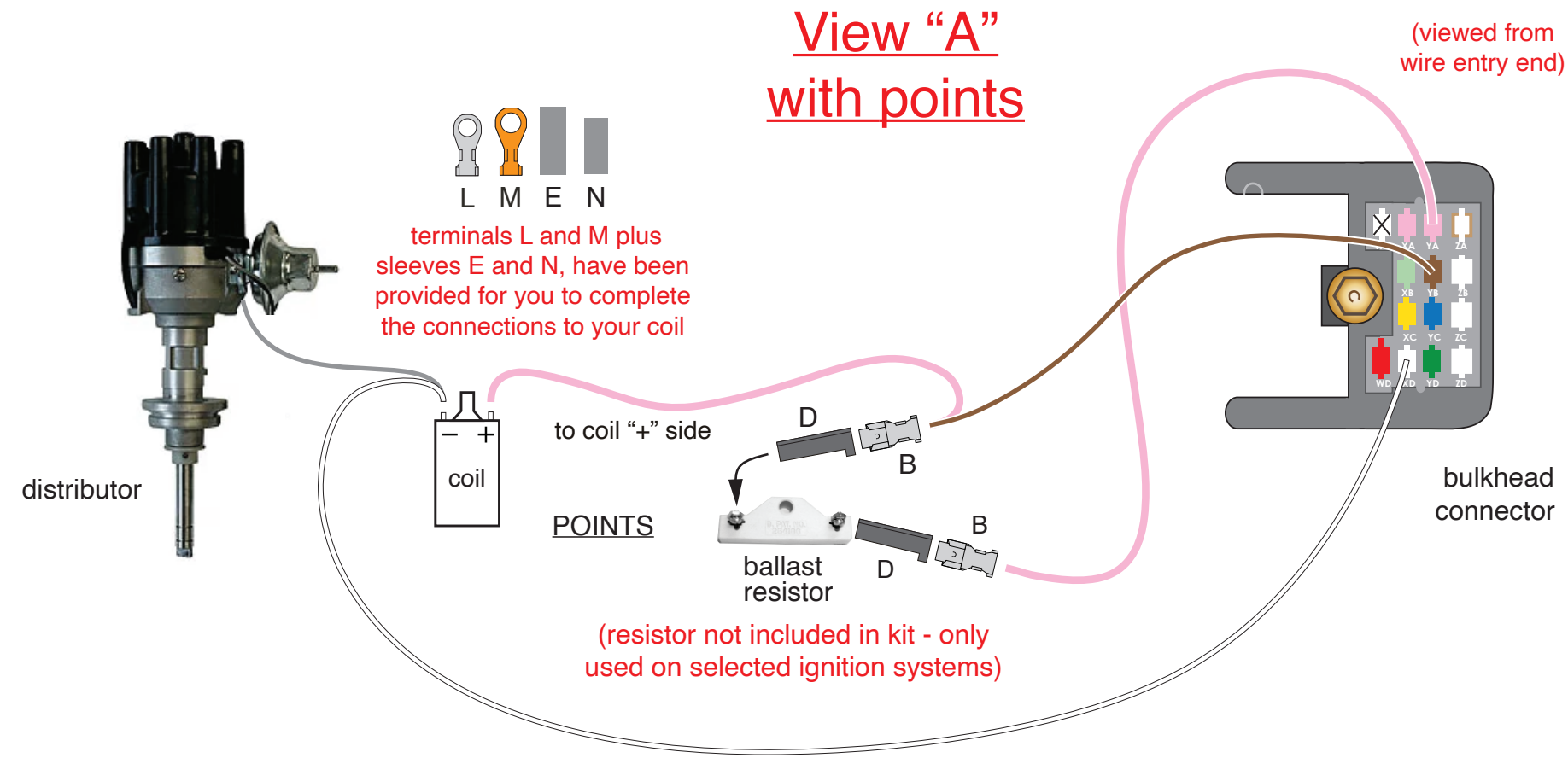
510786 Engine harness installation instructions:

Ignition systems wiring:

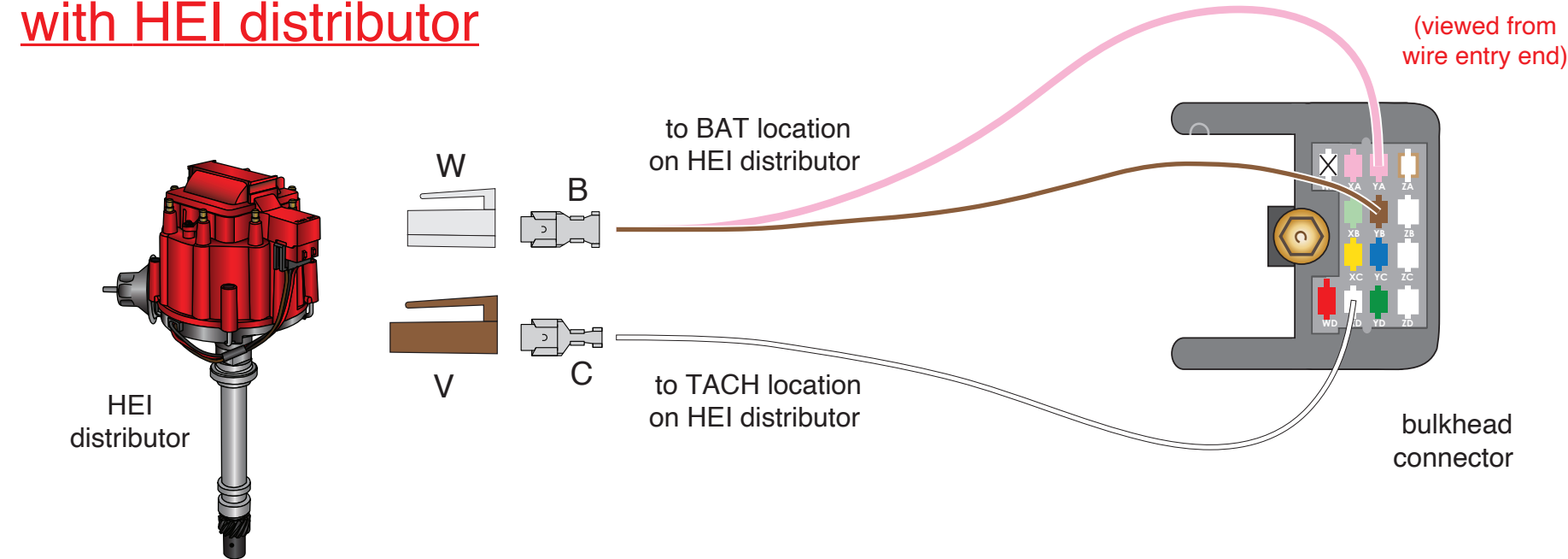


51510786 Engine harness installation instructions:

Ignition system wiring:



View "B"
with HEI distributor



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.



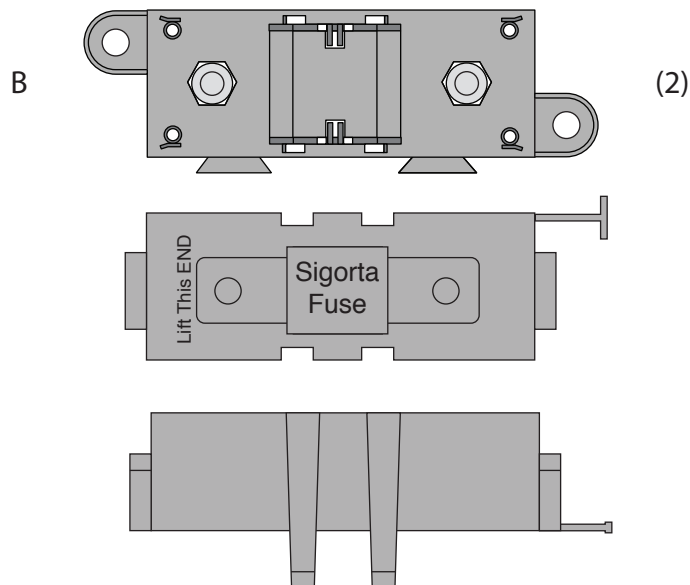
**American
Autowire**

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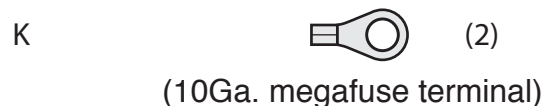
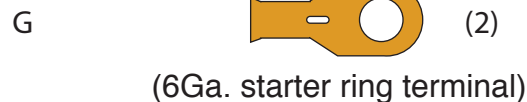
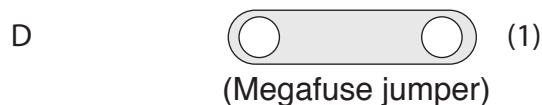
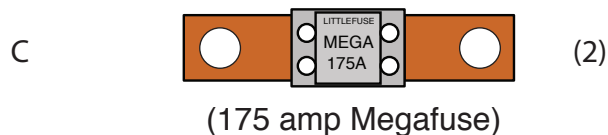
1971-74 Mopar B-Body
Classic Update Series
510691 92972832 Rev 1.0 12/9/2022

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A  (144.0" 6 Gauge charge wire) (1)



(Megafuse body, cover and two M8 x 1.25 nuts / lock washers)



1. On this page, you will find the wire, fuse bodies, fuses, boot, ring terminals, and shrink tubing (items A through K) that are necessary to connect your alternator and main power feed for your new AAW wiring kit. Please be sure that all of the necessary components are present before starting this portion of your installation. If anything is missing, stop what you are doing and contact AAW at the number listed below right away.

2. On page 2, you will find directions for building the 2 Megafuse assemblies (items B,C and D) into one unit.

3. On page 3, you will find an overall concept of how to connect the Megafuse assemblies to your starter solenoid, alternator and main power feed of your new wiring system.

4. On page 4, you will find tips on building your charging circuit wires and assembling them and the main panel power feed wire to the Megafuse assemblies.



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PART #

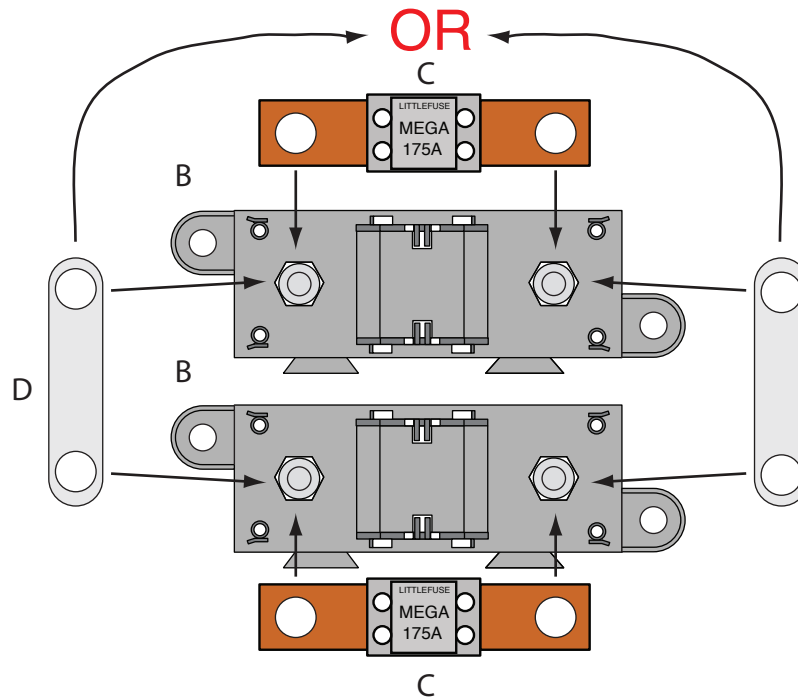
510476

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DESCRIPTION:

**Alternator and Main Power
Connection Kit
Various Applications**

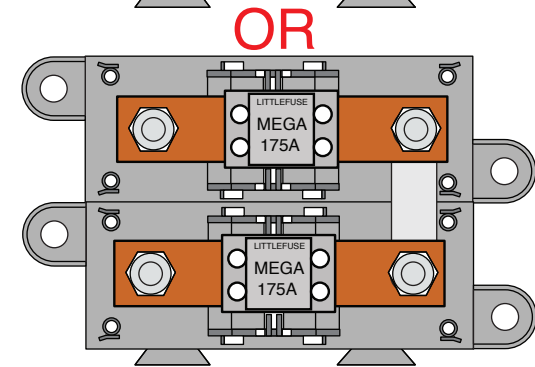
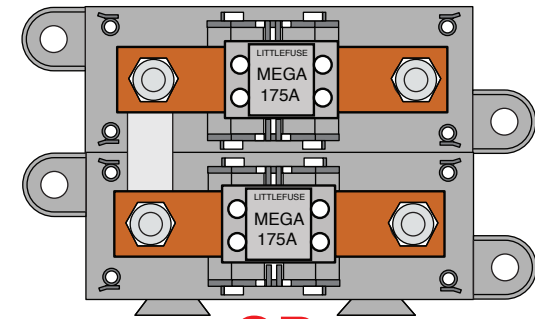
92972153 instruction sheet rev 0.1 6/24/2019



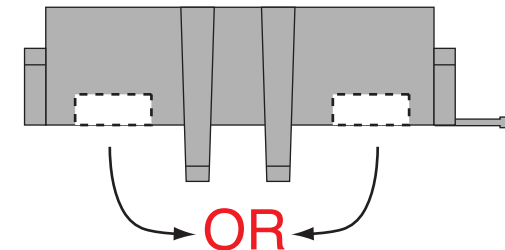
Assembling the (2) Megafuse assemblies

NOTE: Find a suitable place, as close to the battery power source as possible, under the hood of your vehicle to mount the completed Megafuse assemblies. Keep in mind that you have 12 feet of 6Ga. charging wire, and that the main power feed coming from your panel or bulkhead connection must also be able to reach the assembly.

1. Take the two Megafuse bodies and covers (items B) and snap them together. Remove the 4 nuts and lock washers from the studs on the fuse body assemblies.
2. Install the Megafuse jumper (item D above) over two of the studs on the Megafuse bodies. It is very important that the jumper **MUST BE** assembled on the side that is going to connect to your main power connection (starter solenoid or battery feed).
3. Notch top cover to clear jumper D as shown at right.
4. Snap one 175amp fuse (items C) onto the studs of each of the two Megafuse bodies (items B), over the jumper, then loosely re-attach the 4 nuts and lock washers back onto the assembled Megafuses. The fuse assemblies are ready to install into your vehicle.



Assembled Megafuses



Notched Cover

PART #

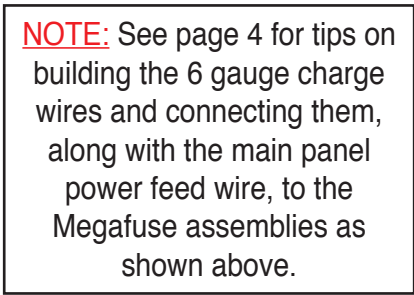
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DESCRIPTION:

**Alternator and Main Power
Connection Kit
Various Applications**

92972153 instruction sheet rev 0.1 6/24/2019



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92972153 instruction sheet rev 0.1 6/24/2019

Building the 6Ga. charge wires and connecting them and the main panel power feed wire to the Megafuse assemblies:

NOTE: Make sure that your battery is disconnected! You will need to install the preassembled Megafuses from page 2 in your vehicle to start this part of the installation.

1. Pre-cut item F shrink tubing into (6) 1.00" - 1.25" pieces.
2. Take the 12-foot piece of 6Ga. red wire from this kit and route it from your starter (or other battery feed) over to the area where you have mounted your Megafuse and cut it to length. Strip the insulation on each end back 1/2". Install 2 pieces of shrink tubing F onto the wire. At the starter end, crimp and solder (1) of terminal G onto the wire. At the Megafuse end, crimp and solder (1) of terminal H onto the wire. Slide the shrink tubing over the terminals and heat it up to shrink it down.
3. Take the remaining portion of the 12-foot piece of 6Ga. red wire from this kit and route it from your alternator over to the area where you have mounted your Megafuse and cut it to length. Strip the insulation on each end back 1/2". Install 1 piece of shrink tubing F onto the wire. At the alternator end, slip on boot E as shown on page 3, then crimp and solder (1) of terminal J onto the wire. At the Megafuse end, crimp and solder (1) of terminal H onto the wire. Slide the shrink tubing over terminal H and heat it up to shrink it down.
4. Take the 10Ga. red main power feed wire from your engine or panel sub-kit and route it over to the area where you have mounted your Megafuse and cut it to length. Strip the insulation back 3/8". Install 1 piece of shrink tubing F onto the wire, then crimp and solder (1) of terminal K onto the wire.
5. Remove the 4 loosely tightened nuts and lock washers from the assembled Megafuses, then using the drawing on page 3 as a guide, install your pre-assembled wires from steps 2-4 above. Re-install the 4 nuts and lock washers onto the assembled Megafuses and tighten them down. This part of your installation is now complete.

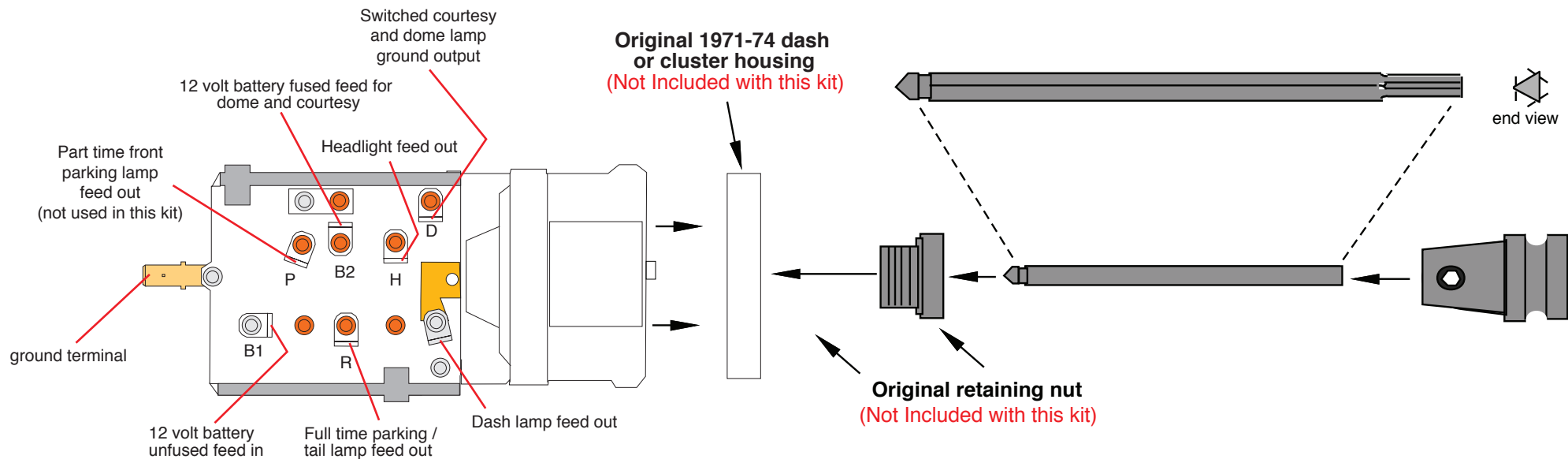
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DESCRIPTION:

Alternator and Main Power
Connection Kit
Various Applications

92972153 instruction sheet rev 0.1 6/24/2019



NOTE: We have provided a new custom length shaft and knob in this kit. Below, we have included instructions on how to assemble it. However, if you would rather use your original knob/shaft assembly, it will work fine in this OE style replacement switch.

1. Install the new switch into your dash or cluster housing using the original retaining nut. It will be necessary to cut the shaft for a nice custom installation.
2. Install the shaft in switch being certain that it is fully engaged inside the switch. Once the shaft is fully seated down inside the switch in the "off" position, place the knob on end of shaft. Measure how far away from the dash or cluster housing the bottom face of the knob (closest to dash) is. Allow for 1/4" or so extra so that the knob will not bottom out on dash or cluster housing once the shaft has been cut to length.
3. Remove the shaft from the switch. To do this, pull the shaft completely out to the "on" position. Depress the button on the metal chassis side of the switch and simply pull the shaft out of the switch. Cut the shaft based on your measurements.
4. Attach the knob to the cut shaft and tighten the Allen head screw.
5. Reinstall your newly customized shaft into your headlight switch assembly.



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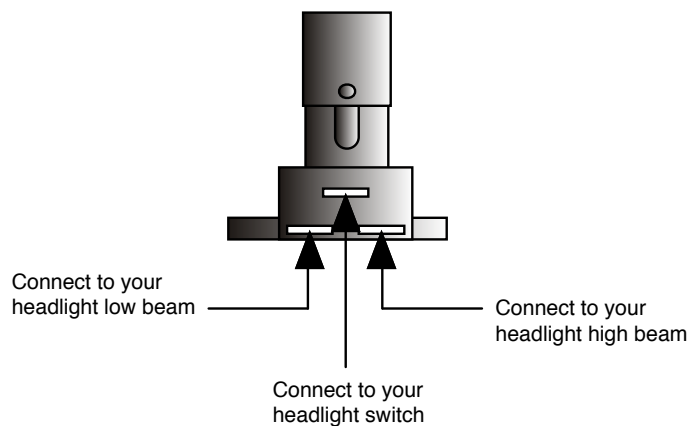
PART #

510698

DESCRIPTION:

Headlight Switch
1971-74 Mopar A-Body
Classic Update Series

92971838 instruction sheet rev 0.0 11/9/2017



Connect the Dimmer Switch wires as shown above.

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



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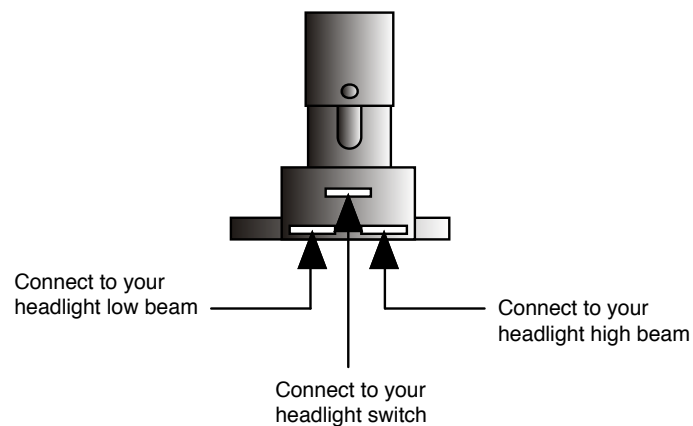
PART #

500042

DESCRIPTION:

DIMMER SWITCH

92964573 Rev 3.1 12/5/2014



Connect the Dimmer Switch wires as shown above.

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



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PART #

500042

DESCRIPTION:

DIMMER SWITCH

92964573 Rev 3.1 12/5/2014