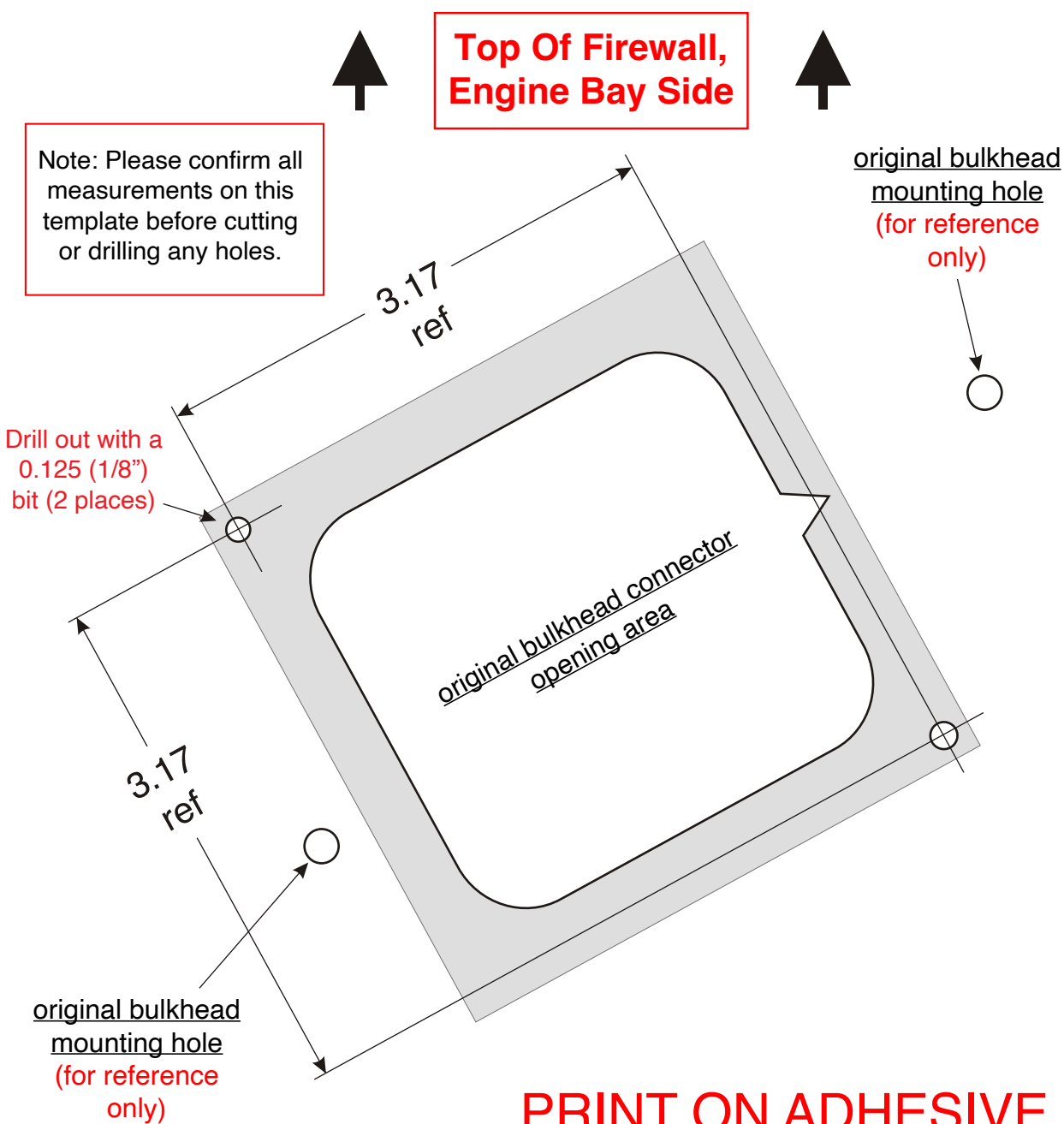


Template for modification of the firewall on a 1971-74 Mopar B-body Classic Update Kit



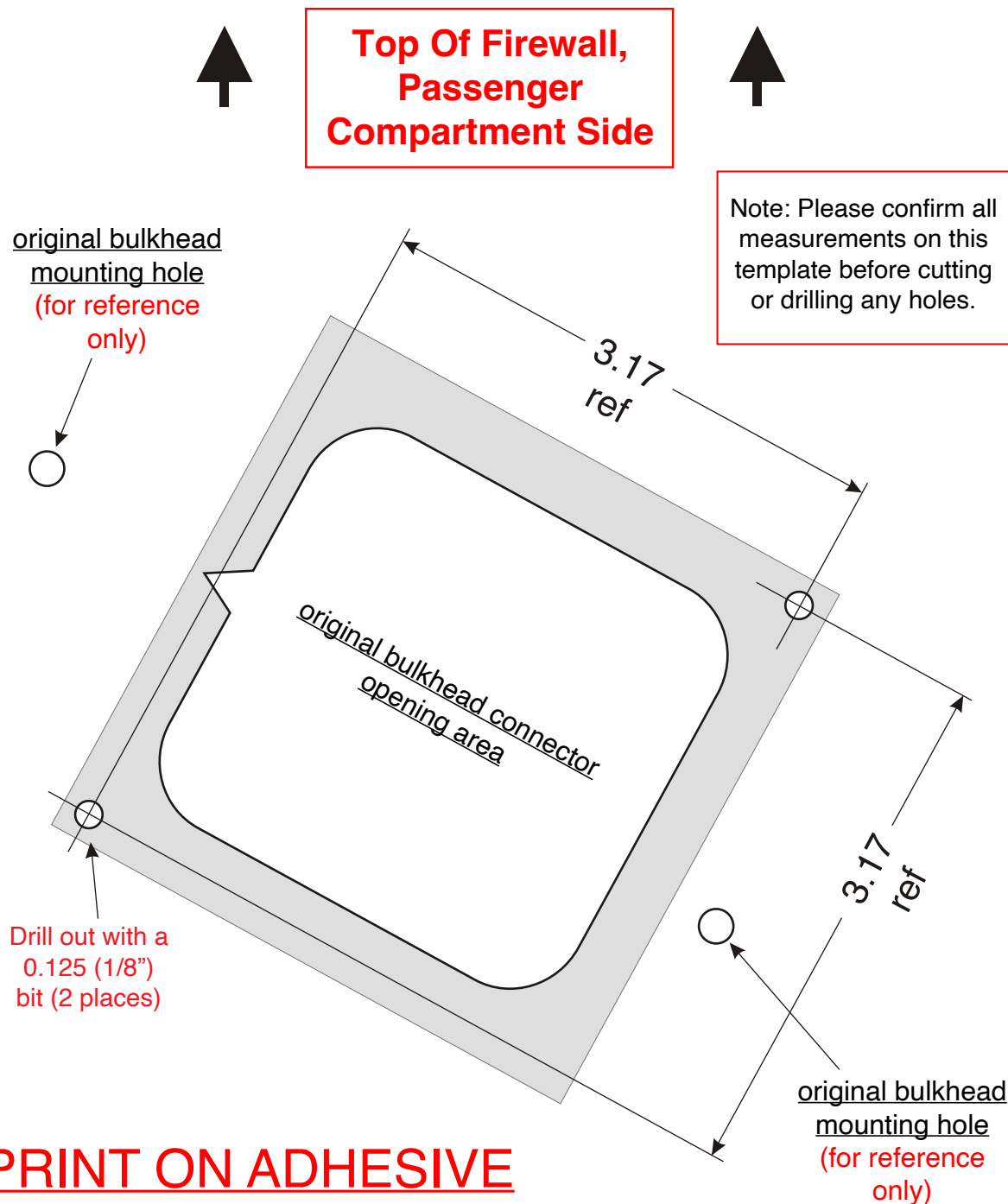
The only firewall modification needed with this new kit is to drill 2 new **0.125 (1/8")** mounting holes. The original opening in the firewall is already the proper size for the new bulkhead connector assembly to fit through. This template can be affixed directly to the Engine Bay side of the firewall (**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 3.0 9/19/2024

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.
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4. Drill your new mounting holes.
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6. Your mounting procedure is now complete. You may now continue with the installation of your new Dash harness.

**PRINT ON ADHESIVE
LABEL SHEET**

92971839

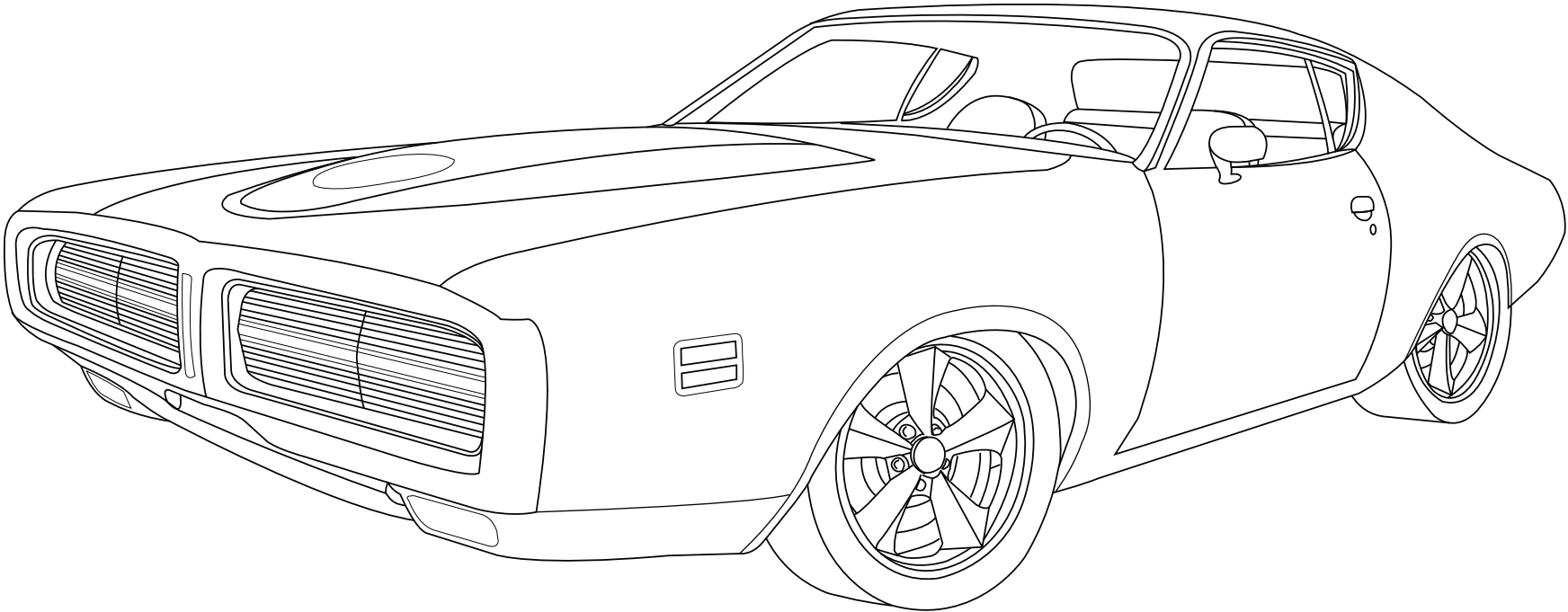
Rev 3.0 9/19/2024



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. There is no wiring in this kit for the electric headlight motors used on the hideaway headlight system, nor does this kit support that system in any way.
- 4. This kit only supports the use of a higher current, self-exciting 1-wire alternator. **The use of the factory externally regulated alternator is not supported with this kit.**
- 5. 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.
- 6. 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 27 and 28** for the various Ignition System Wiring configurations.



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

This kit contains the following components:

Bag	Part Number	Description	QTY
	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
	520002	Digital Gauge System Dim Wire - Ford Kits	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.



www.americanautowire.com 856-933-0801

1971-74 MOPAR B-Body
Classic Update Series
510691

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92972832 Rev 3.1 07/24/2025

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:

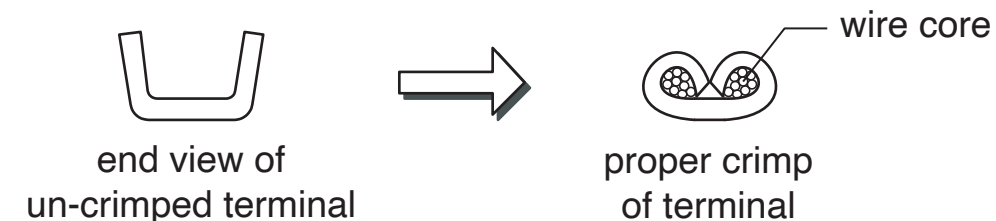
www.youtube.com/watch?v=JAgEDoVI-co

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.



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



www.americanautowire.com 856-933-0801

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

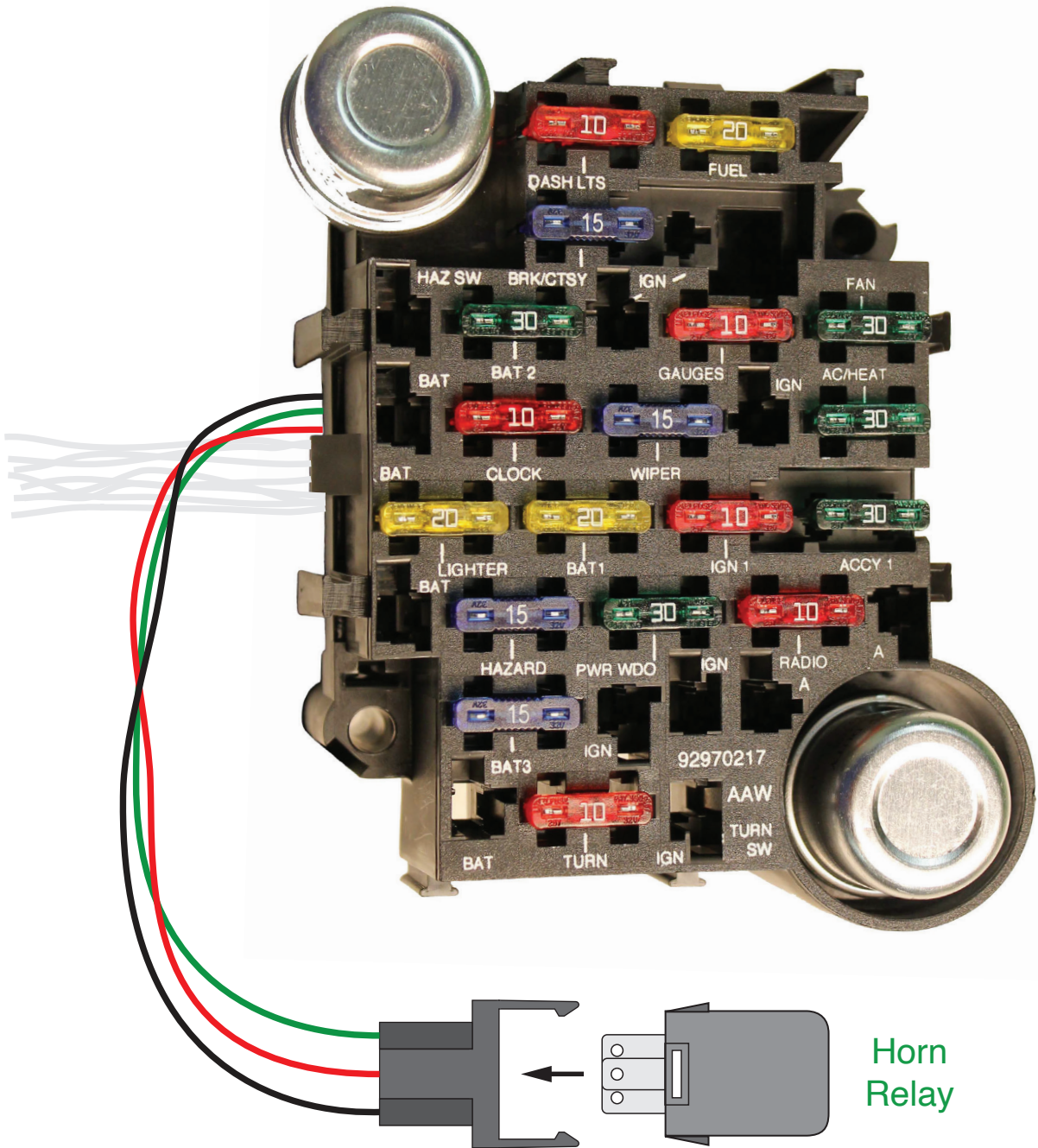
510691 92972832 Rev 3.1 07/24/2025

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 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 12). Obtain the 3 J-Clamps item “R” (see page 12) 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:



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: <table><tr><td>Dash Harness Third Brake Light Original Tail Light Harness</td><td>Dome Light Pigtail Fuel Tank Sender Rear Side Markers</td><td>Rear Door Jamb Switches (4-door) Trunk Light</td></tr></table>	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
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: <table><tr><td>Bulkhead Connector Electric Fan (requires an optional Relay Kit) Horns Washer Reservoir</td><td>Wiper Motor LH Headlights RH Headlights</td><td>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</td></tr></table>	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
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	23-28	Engine Harness –This Harness connects to: <table><tr><td>Back-up Light Switch, Neutral Safety Switch Alternator</td><td>Ignition System Starter Relay</td><td>Electric Choke, Oil Pressure and Water Temperature Senders</td></tr></table>	Back-up Light Switch, Neutral Safety Switch Alternator	Ignition System Starter Relay	Electric Choke, Oil Pressure and Water Temperature Senders
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:

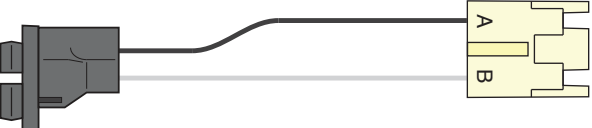
Below are the supplied misc. terminals, connector bodies and assorted components included in the Dash/Main Harness and Loose Piece bags. These will be used to complete your Dash/Main harness connections and are referred by the letters and descriptions below from this point forward.

A

(courtesy light extension - reference, 2 pcs)

B

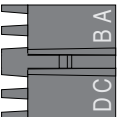
(steering column ground extension - reference, 1 pc; extension is mounted between the steering column and the steering column support bracket)

C

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

D

(routing clip, 2 pcs.)

E

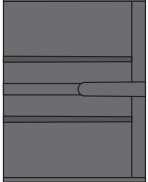
(Pack-Con 4-way male connector, 1 pc.)

F

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

G

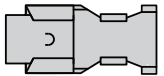
(Pack-Con male terminal, 15 pcs.)

H

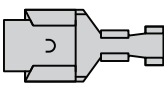
(56 Series 6-way female connector, 1 pc)

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

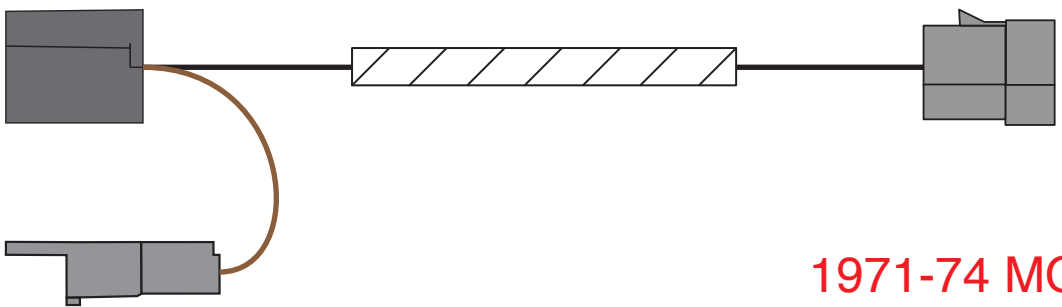
(bullet terminal, 6 pcs.)

P

(rubber sleeve, 6 pcs.)

R

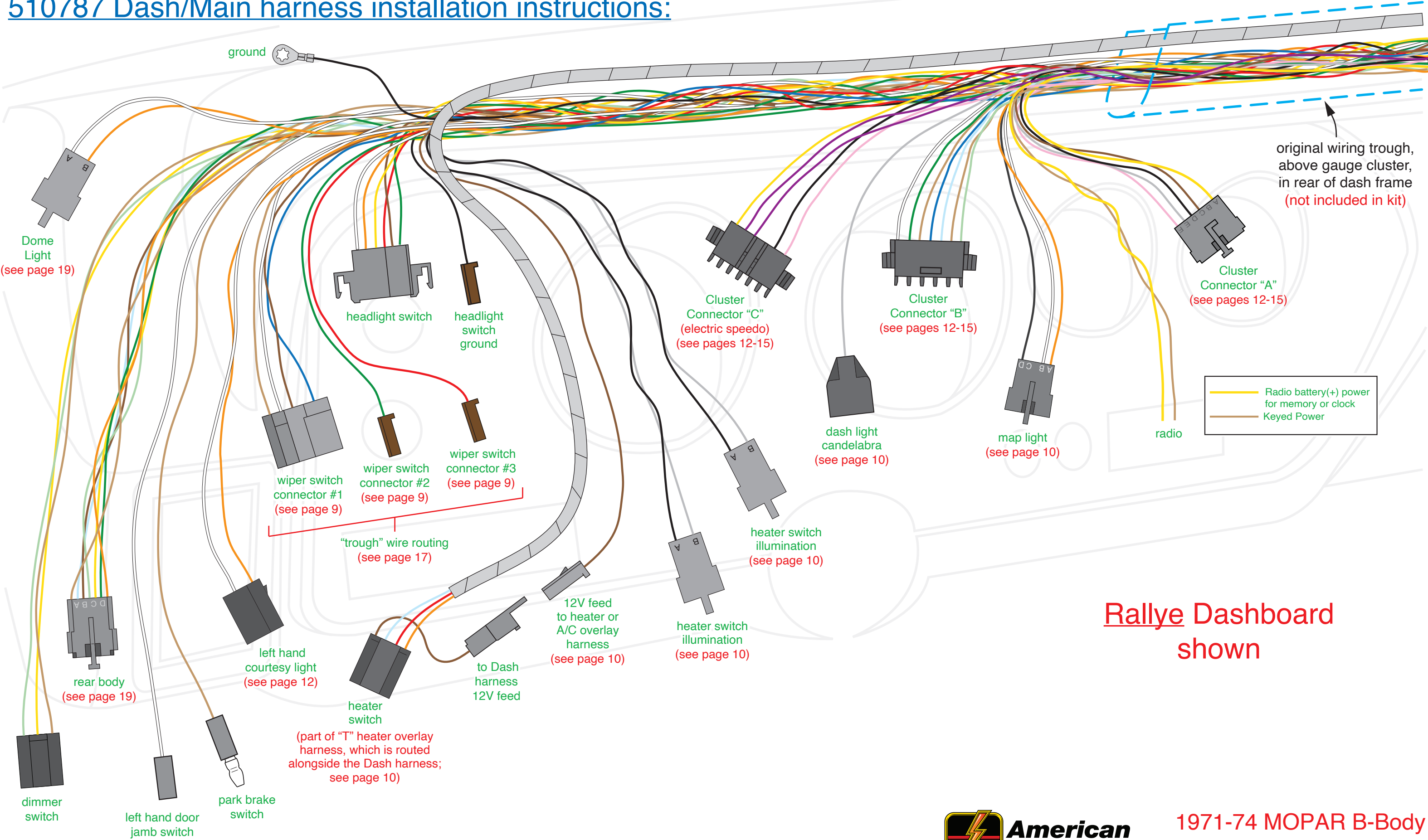
(J-clamp, 3 pcs.)

T

(heater overlay harness - reference, 1 pc)



510787 Dash/Main harness installation instructions:

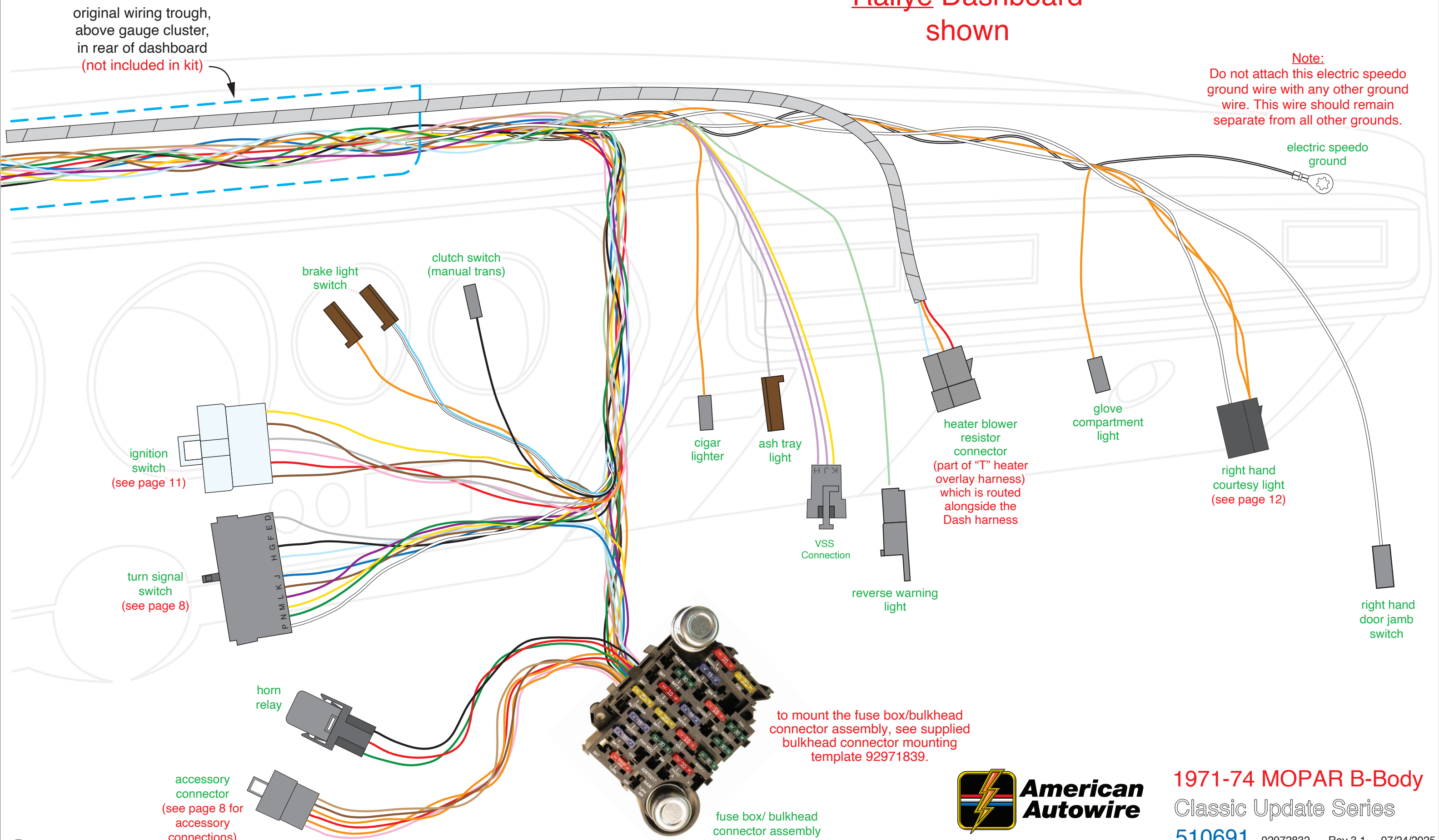


Rallye Dashboard shown



510787 Dash/Main harness installation instructions:

Rallye Dashboard shown



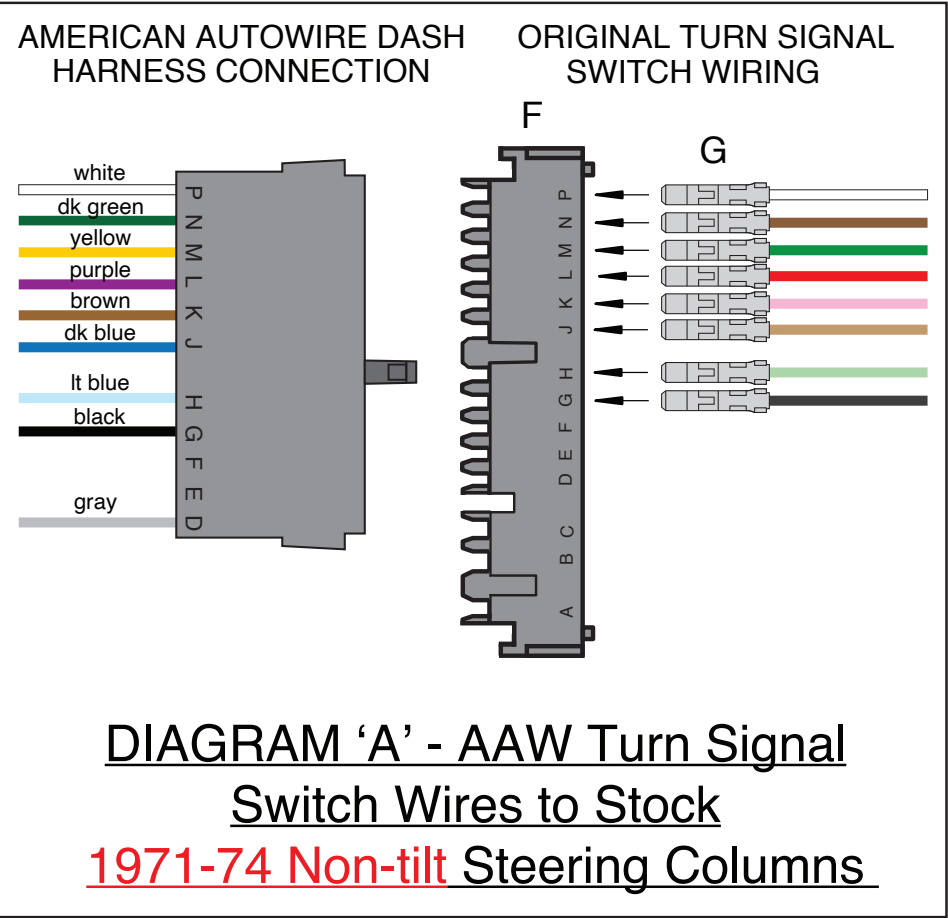
510787 Dash/Main harness installation instructions:

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.



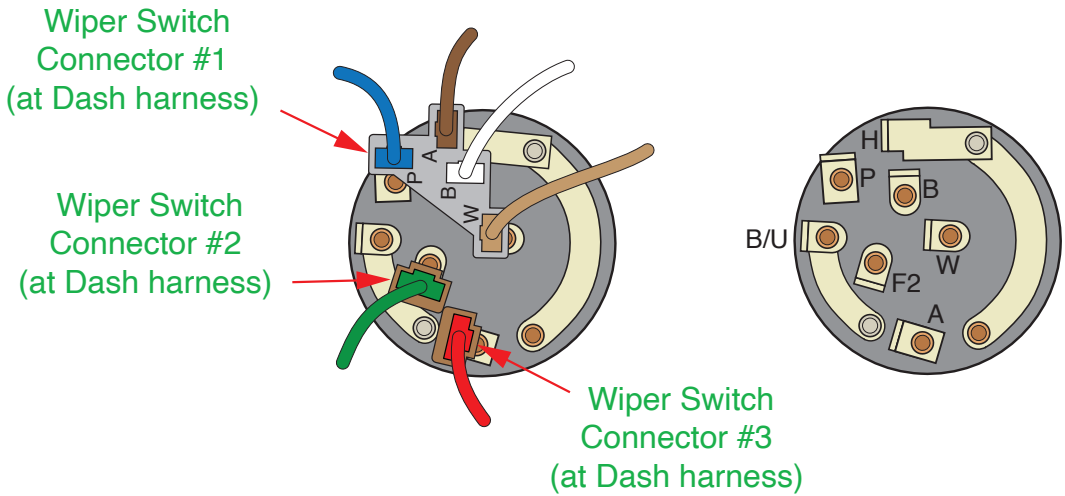
1971-74 MOPAR B-Body Classic Update Series
510691 92972832 Rev 3.1 07/24/2025

510787 Dash/Main harness installation instructions:

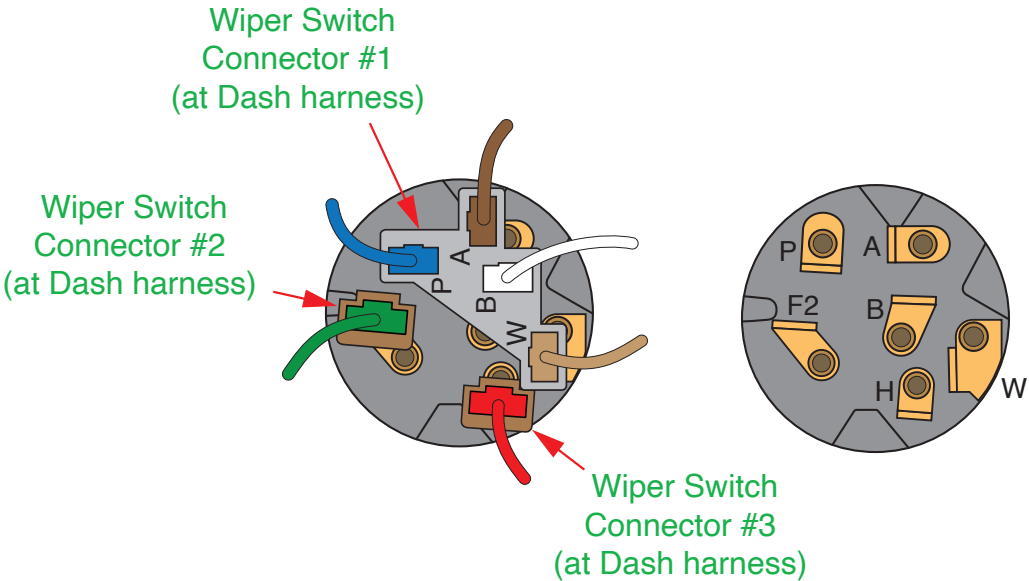
wiper switch wiring (Rallye & non-Rallye):

- A* Armature – AAW brown, no printing wire.
- B 12V Accessory Feed – AAW white, “WIPER FEED” wire. This wire can also be removed from the connector to be used as a 12v+ power source for an aftermarket wiper system.
- B/U - Not Used.
- F1* or H* Field #1 – AAW red, no printing wire.
- F2* or P2* Field #2 – AAW dark green, no printing wire.
- P* or P1* Park – AAW dark blue, no printing wire.
- W This is the feed to the Washer Pump, AAW tan, no printing wire. This is an option and the tan wire may not need to be connected.

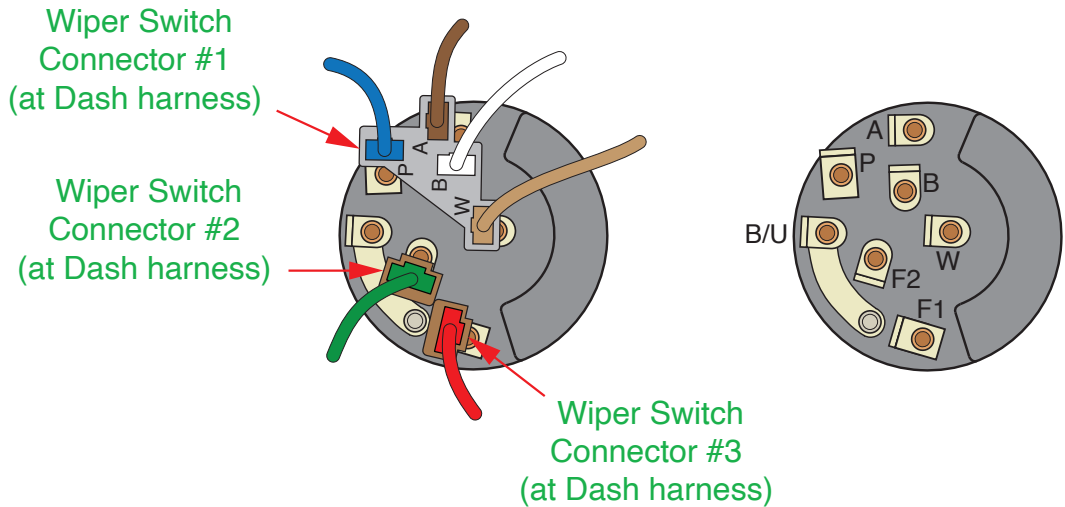
1971
2-speed
wiper switch



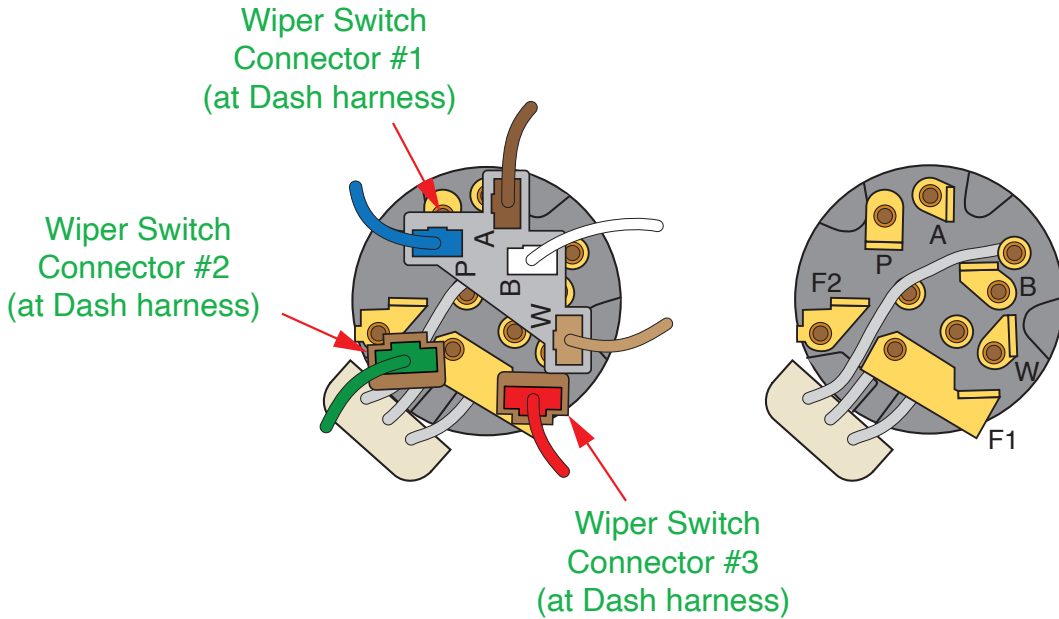
1972-74
2-speed
wiper switch



1971
variable-speed
wiper switch



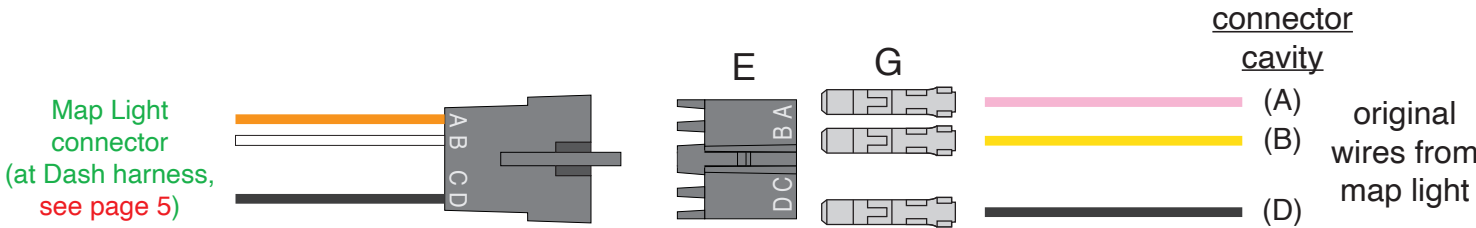
1972-74
3-speed
wiper switch



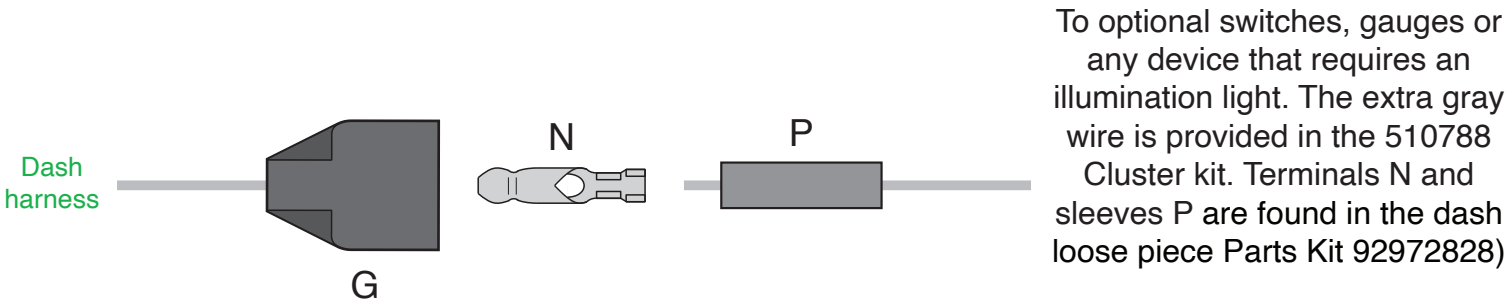
NOTE: To work correctly, switches must be properly grounded.
Switches are grounded through their mounting.

510787 Dash/Main harness installation instructions:

map light wiring:



dash light candelabra wiring:



American Autowire

1971-74 MOPAR B-Body

Classic Update Series

510691

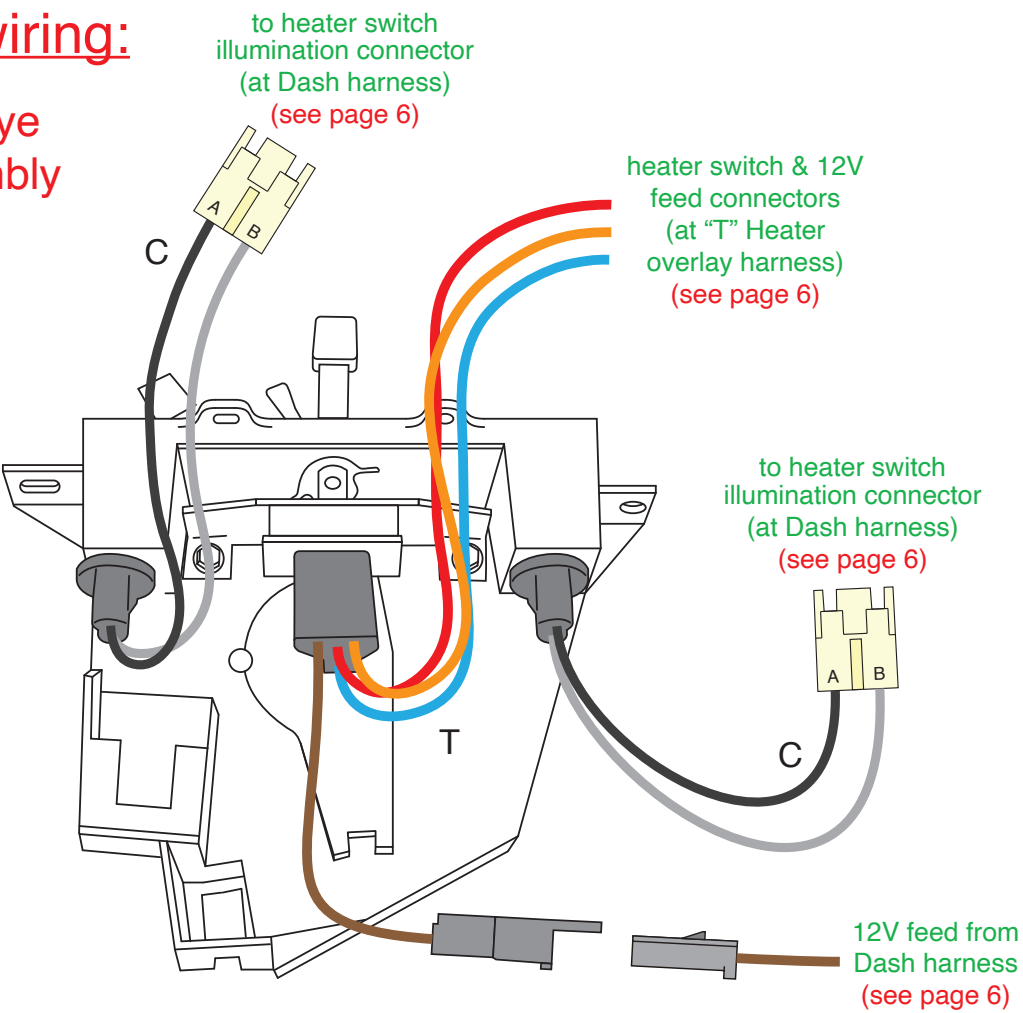
92972832 Rev 3.1 07/24/2025

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)

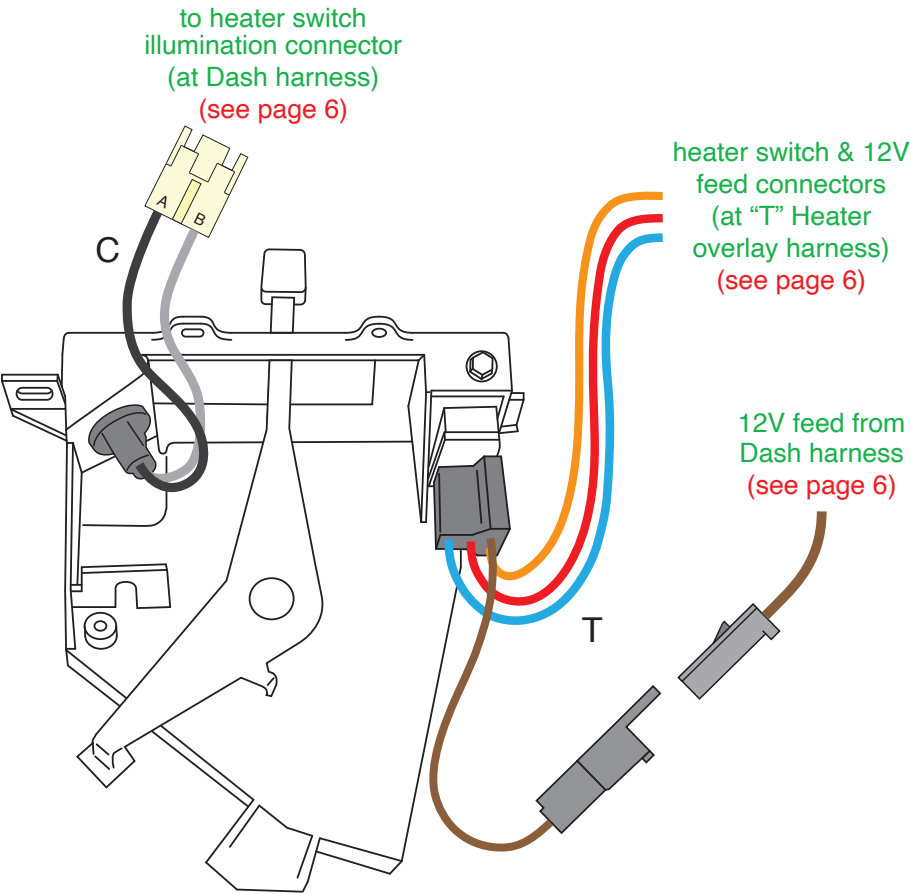
route wires as shown



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

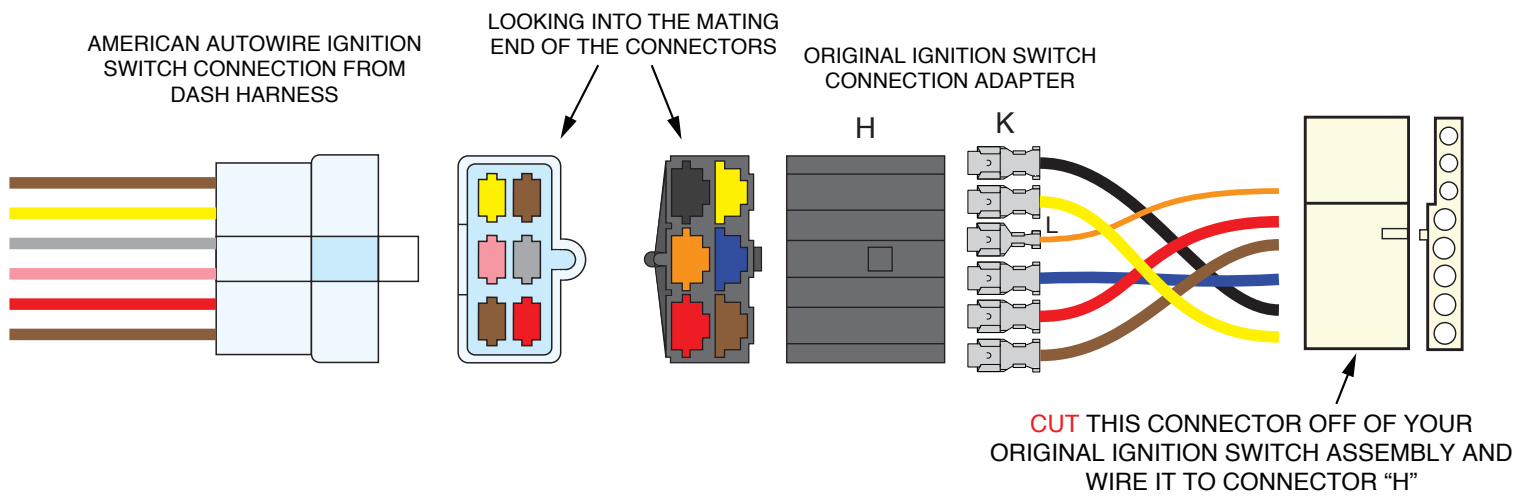


510787 Dash/Main harness installation instructions:

Ignition switch wiring:

Factory MOPAR Column Ignition Switch Connection

Use this diagram to connect to a factory original column-mounted ignition switch.



"Table A"

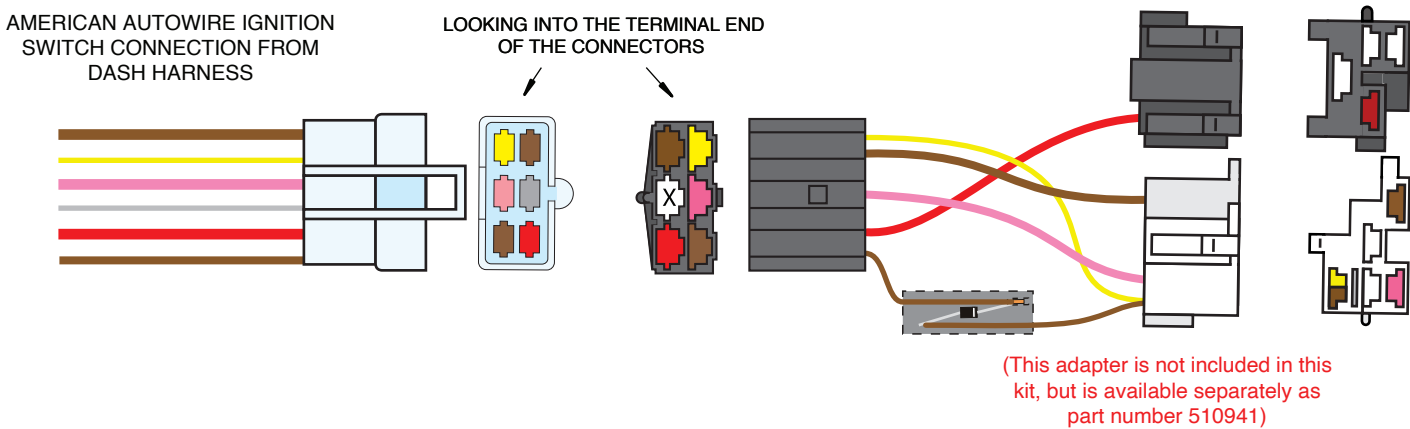
MOPAR B-Body 1971-74 Ignition Switch Wires

AAW Wire Color	AAW Wire Printing	Wire Description	B-Body Wire Color
Yellow	(none)	Start	Yellow
Brown (double)	Ignition switch Accy	12V Accessory Feed	Black
Pink	Ignition feed	Ignition Output 1	Dark Blue
Gray (double)	Dash lights	Column shifter	Orange
		Indicator Light	
Brown	(none)	Ignition Output 2	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.

Aftermarket GM Style Column-Mounted Ignition Switch Connection

Use this diagram to connect to an aftermarket GM-style column-mounted ignition switch.



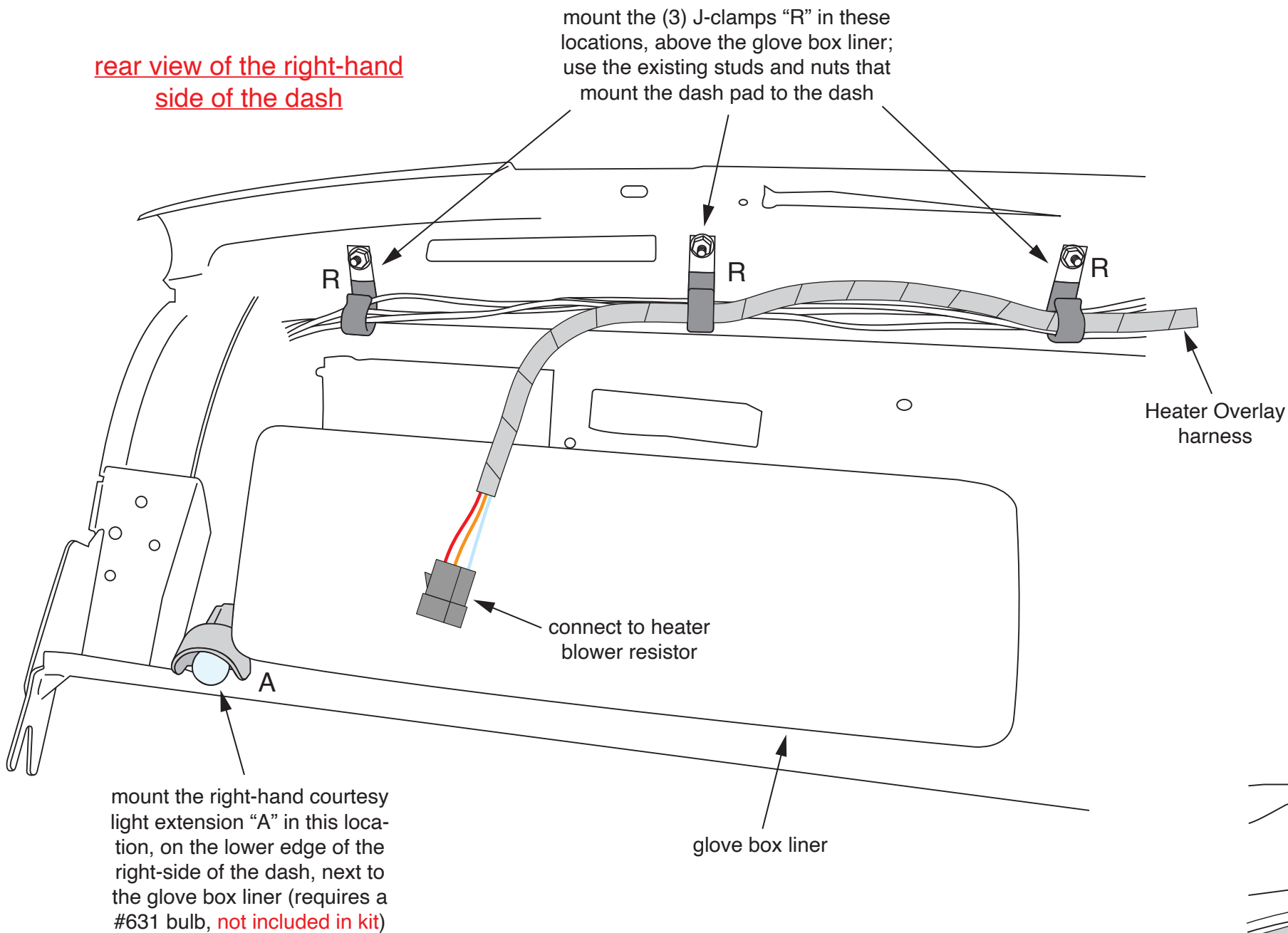
"Table B"

Aftermarket Column Ignition Switch Wires

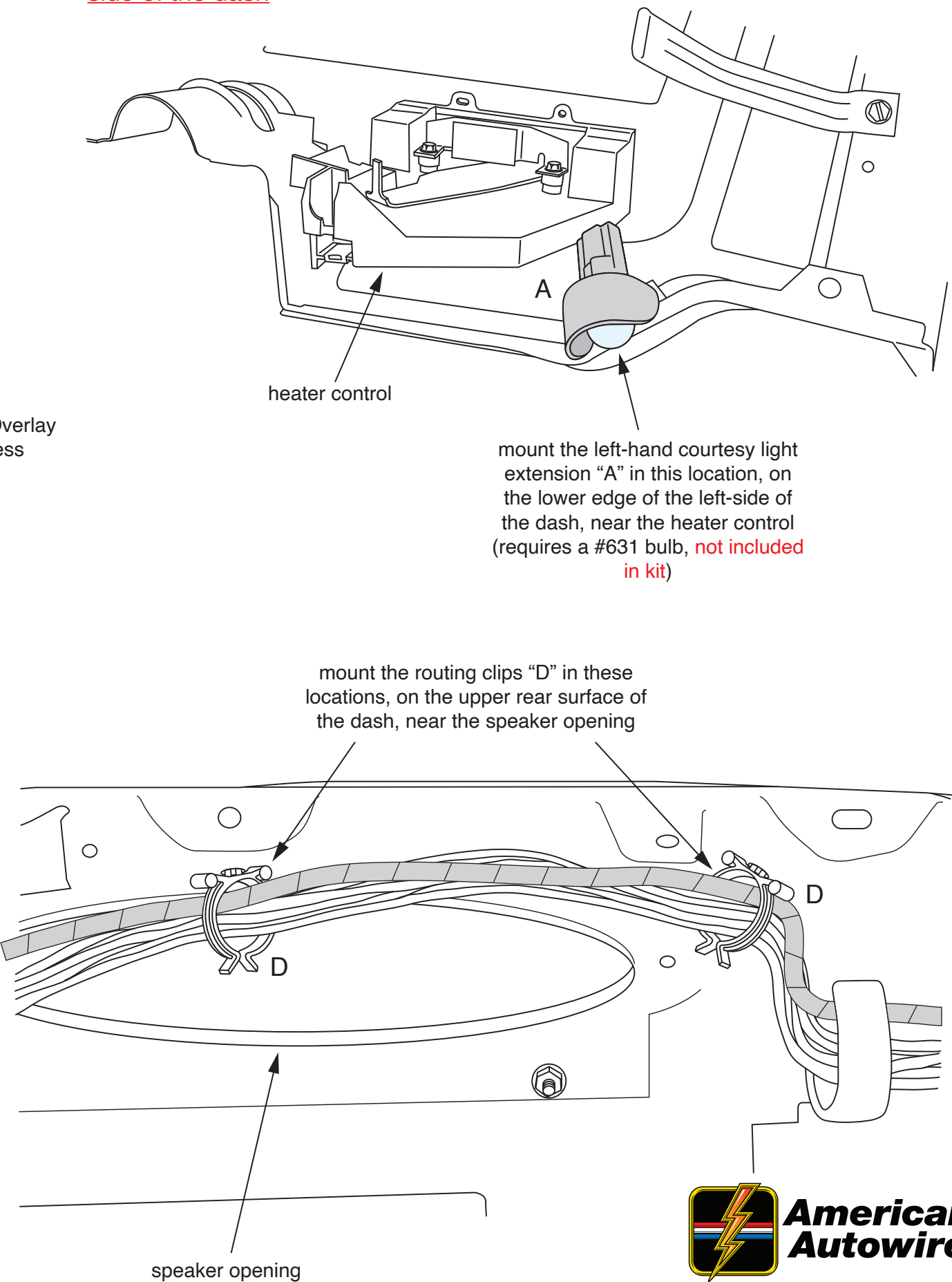
AAW Wire Color	AAW Wire Printing	Wire Description	AAW Column Adapter Wire Color
Yellow	(none)	Start	Yellow
Brown (double)	Ignition switch Accy	12V Accessory Feed	Brown (heavy)
Pink	Ignition feed	Ignition Output 1	Pink
Gray (double)	Dash lights	Column shifter	Orange
		Indicator Light	
Brown	(none)	Ignition Output 2	Brown (thin)
Red	12V Battery	12V Battery Feed	Red



510787 Dash/Main harness installation instructions:



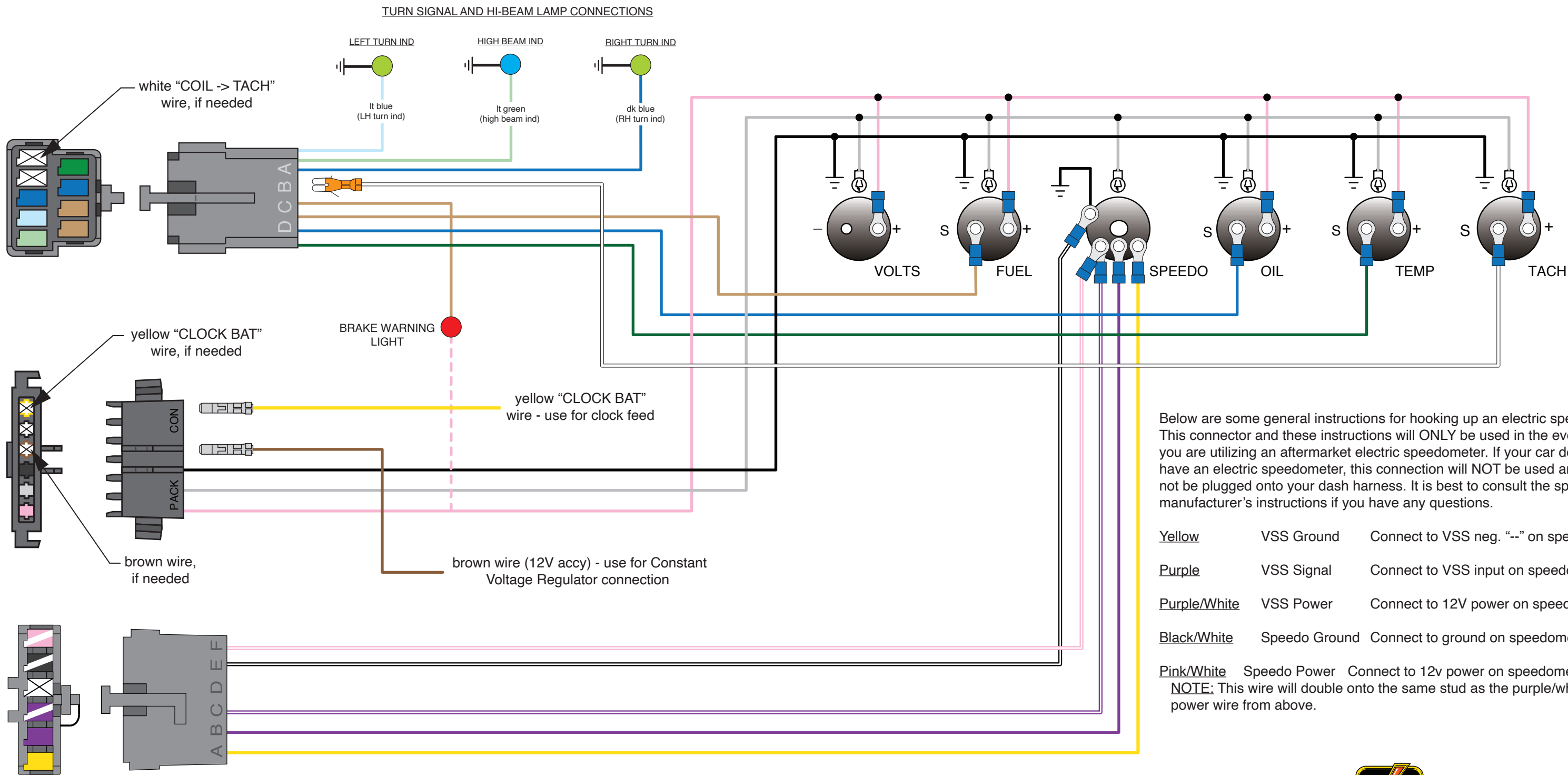
rear view of the left-hand side of the dash



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:



Below are some general instructions for hooking up an electric speedometer. This connector and these instructions will ONLY be used in the event that you are utilizing an aftermarket electric speedometer. If your car does NOT have an electric speedometer, this connection will NOT be used and should not be plugged onto your dash harness. It is best to consult the speedometer manufacturer's instructions if you have any questions.

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

For Factory Gauges
See pages 13-15



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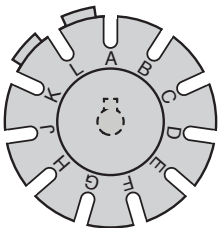
1971-74 MOPAR B-Body
Classic Update Series

510691 92972832 Rev 3.1 07/24/2025

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



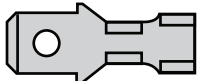
(11-way PCB connector, 1pc)

B



(female terminal, PCB connector, 13 pcs)

C



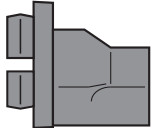
(male terminal, 1/4", 2 pcs)

D



(rubber sleeve, 4 pcs)

E



(2-wire light socket, 1 pc)

F



(socket terminal, 16 pcs)

G



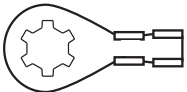
(spring, 2-wire light socket, 2 pcs)

H



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

J



(ring terminal, 4 pcs)

K



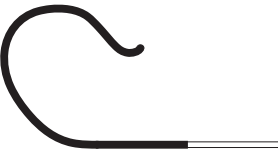
(single female connector, 3 pcs)

L



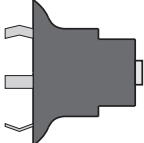
(female terminal, 4 pcs)

M



(clamp, 2 pcs)

N



(light socket, 11 pcs)

P



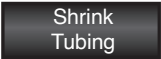
(splice clip, 3 pcs)

R



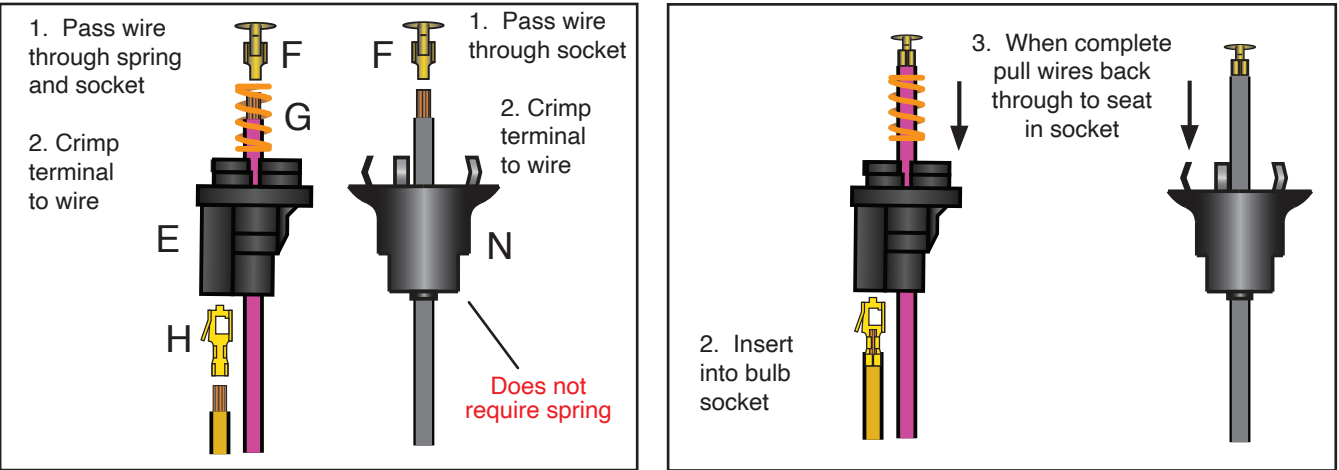
(locking-nut, 10 pcs)

S



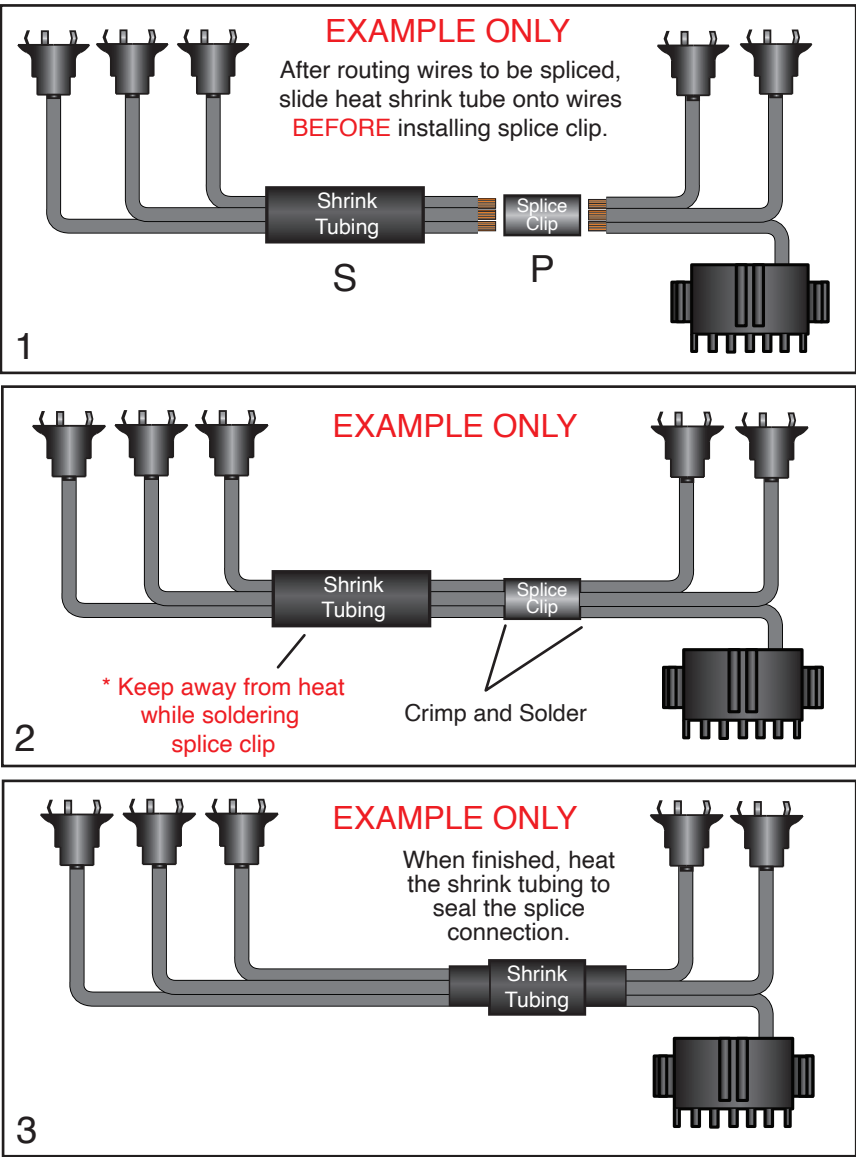
(shrink tubing, 3 pcs)

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.



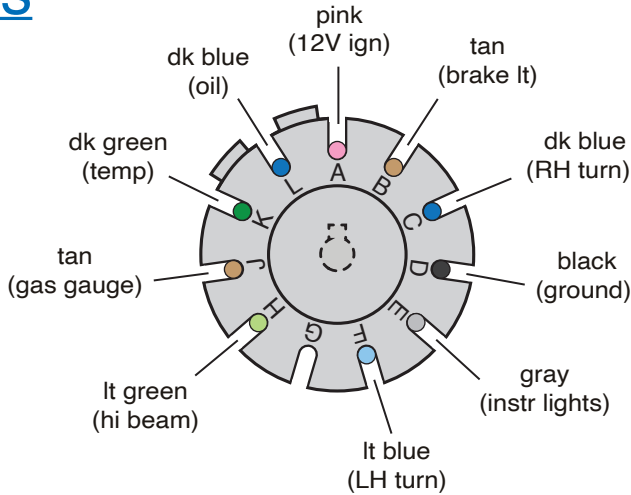
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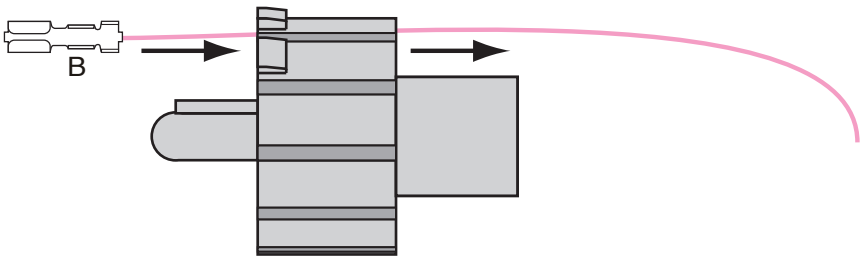
510788 Gauge Cluster harness
installation instructions:

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

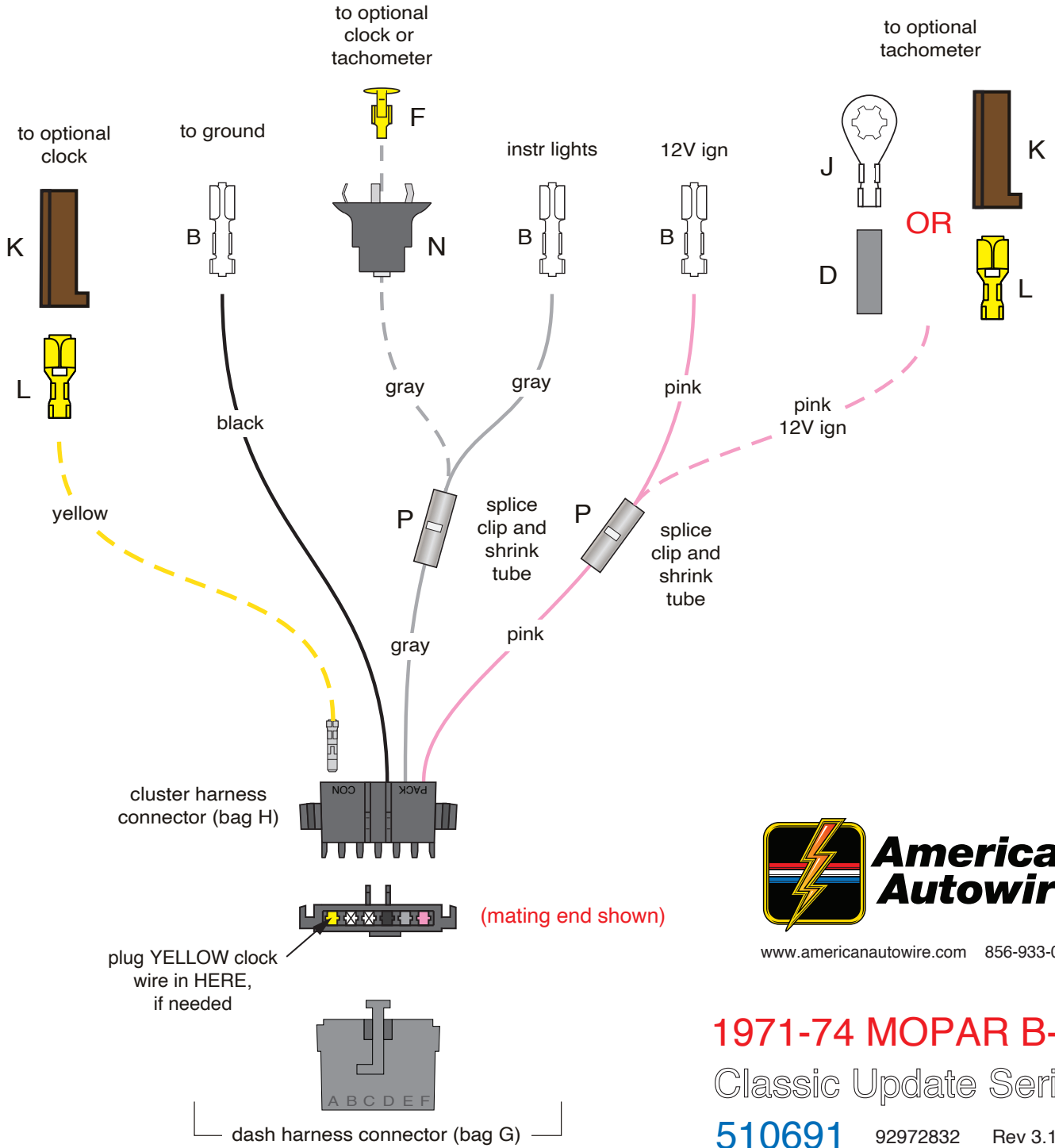
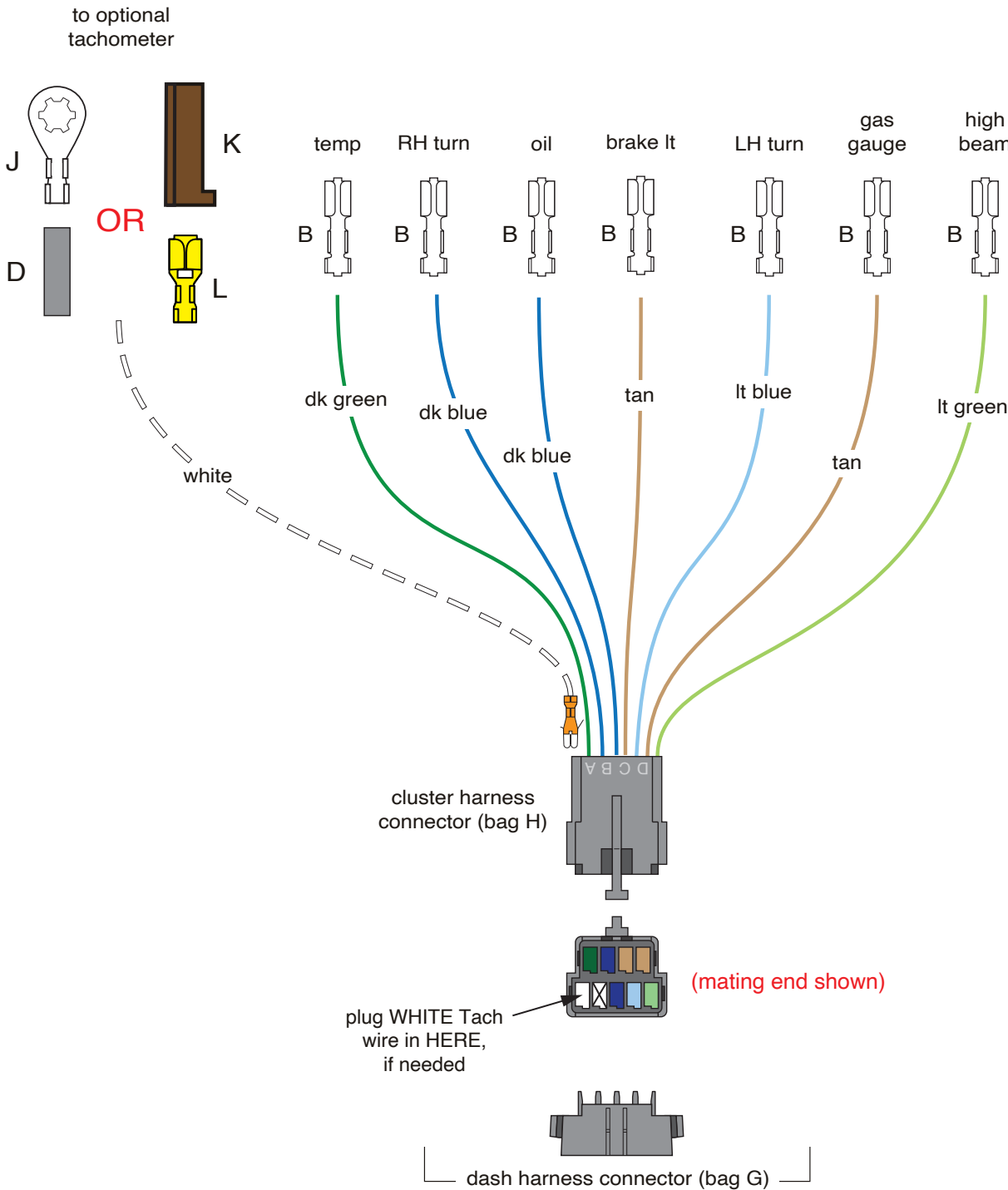
Standard Gauges: All years



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



LOADING CONNECTOR 'A':
Cluster connector "A" utilizes "pull-to-seat" terminals. Select a wire, crimp terminal "B" on to it, slip the terminated wire into the wire slot, then pull the terminated wire to seat inside of connector "A" as shown above.

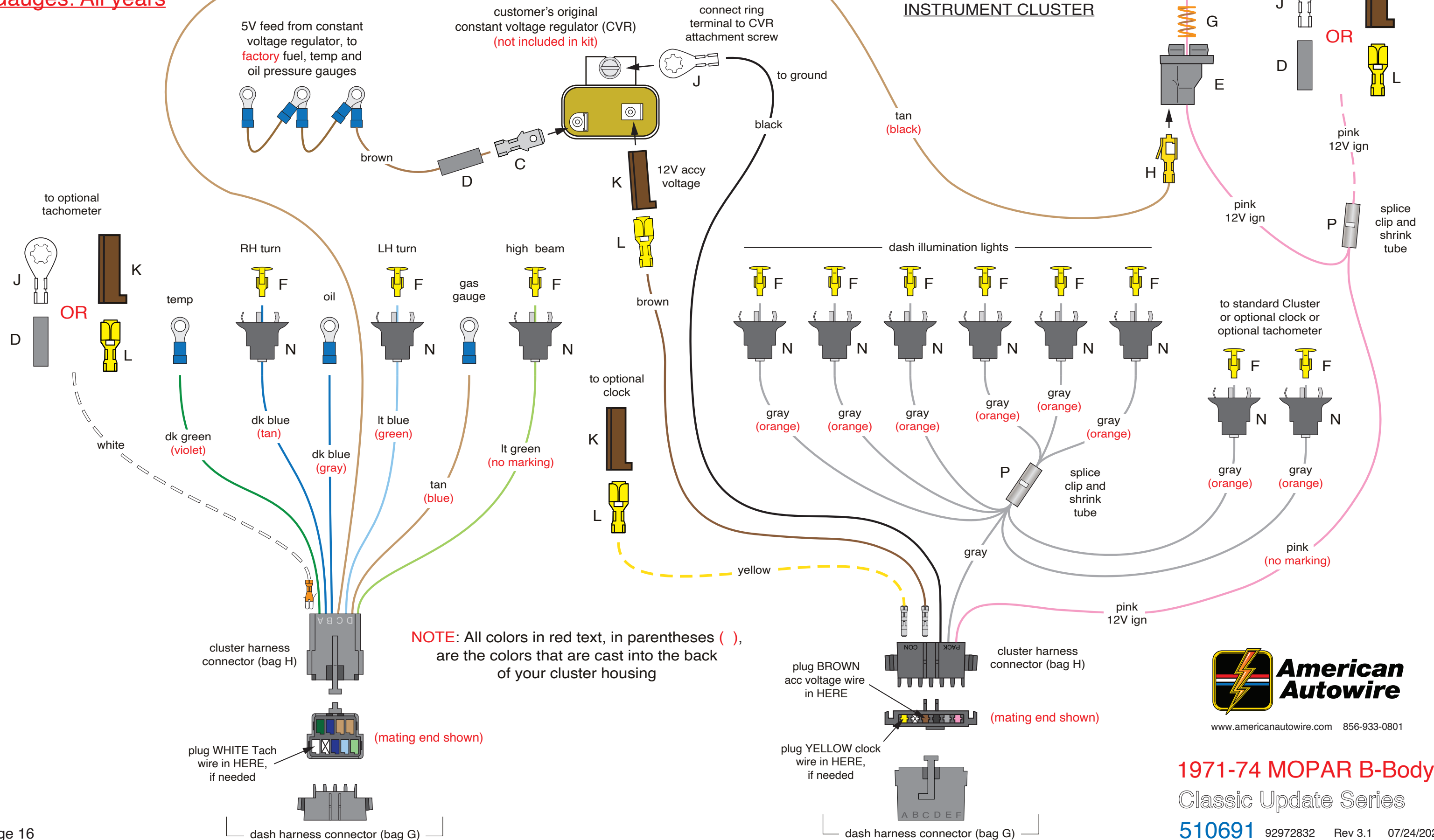


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Rallye Sport

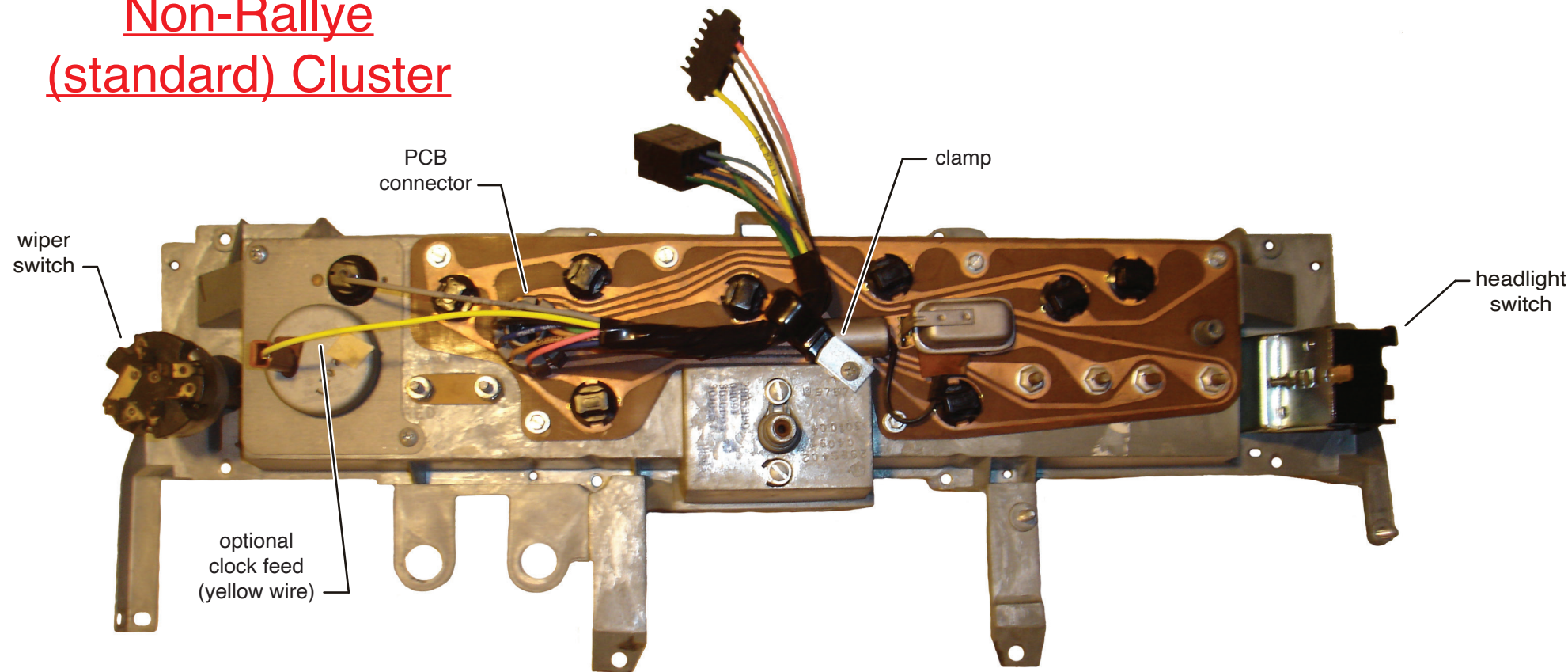
Gauges: All years



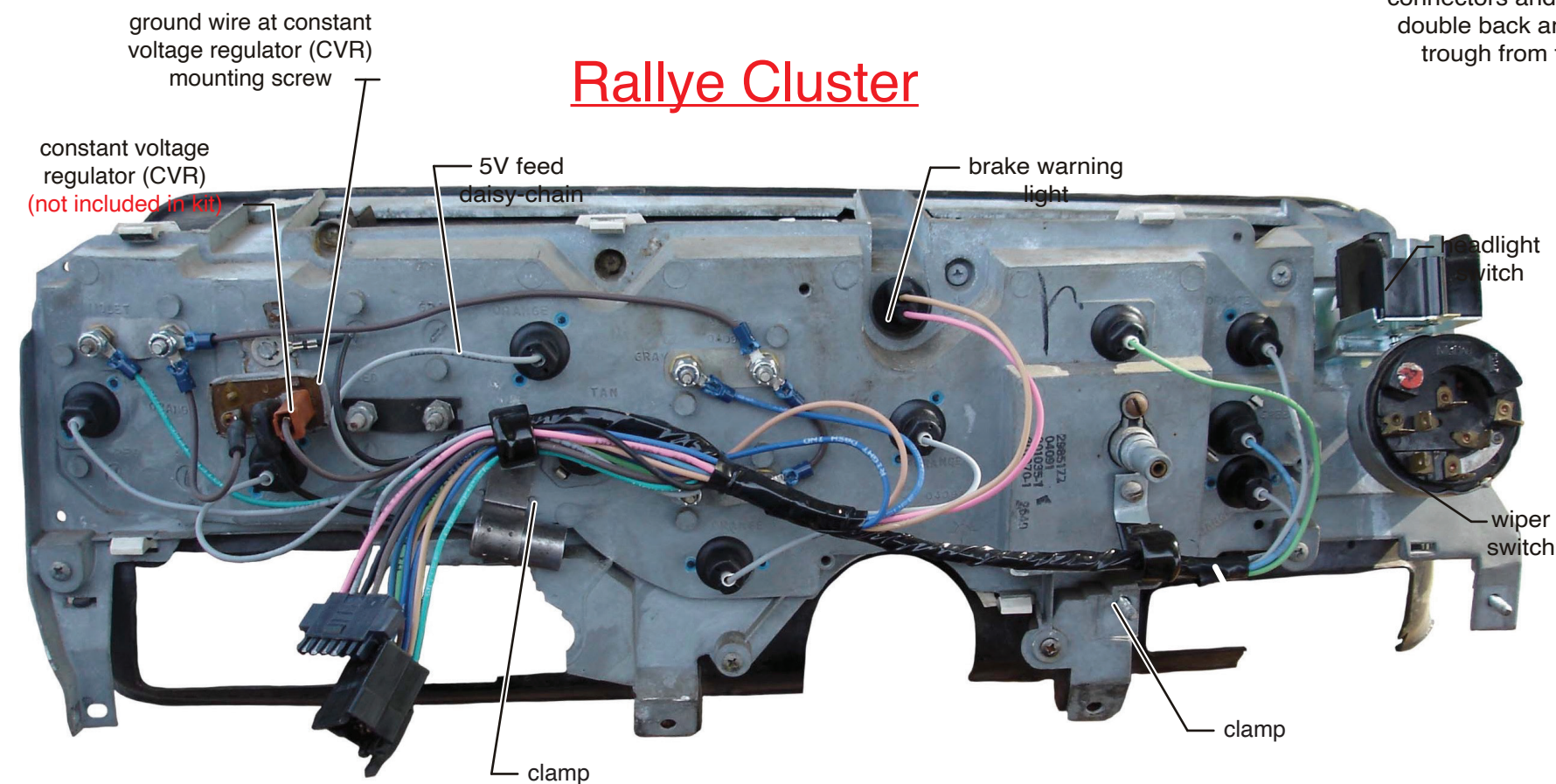
1971-74 MOPAR B-Body
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510788 Gauge Cluster harness installation instructions:

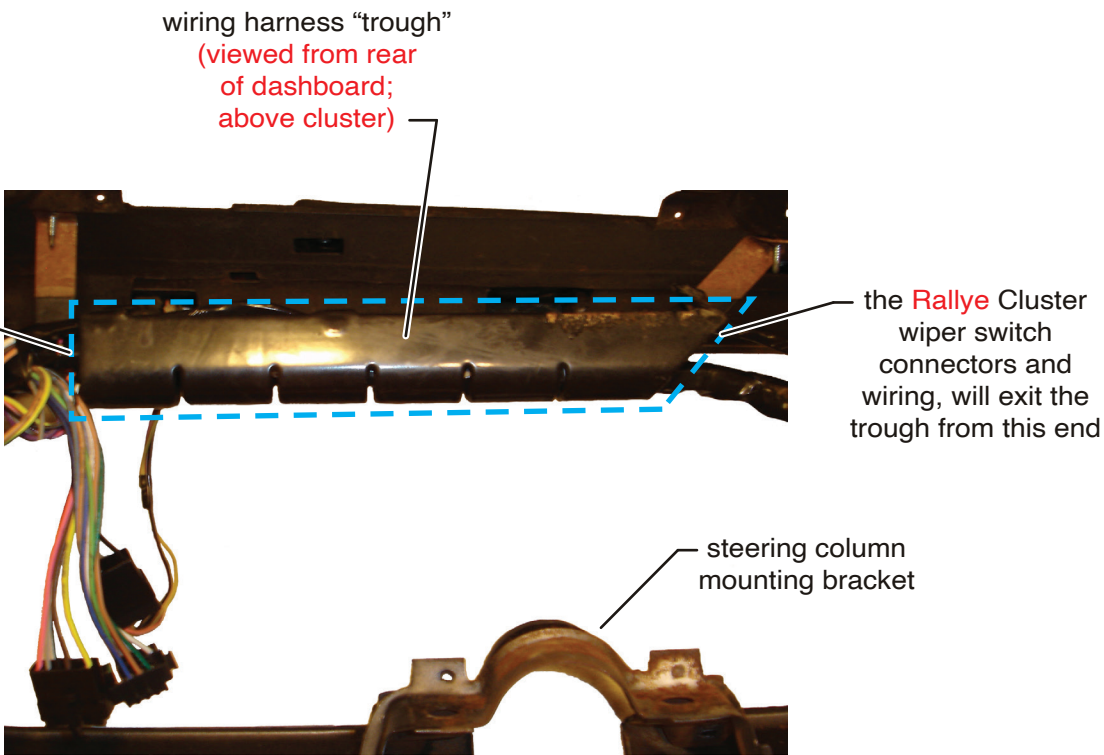
Non-Rallye
(standard) Cluster



Rallye Cluster



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



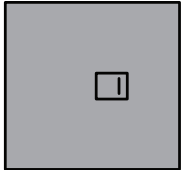
510696 Rear Body harness installation instructions:

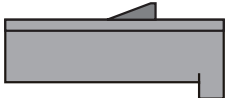
Below are the supplied misc. terminals, connector bodies and assorted components included in the Rear Body Harness and Loose Piece bags. These will be used to complete your Rear Body Harness connections and are referred by the letters and descriptions below from this point forward.

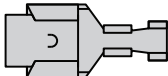
A  (dome light socket pigtail - reference, 1 pc)

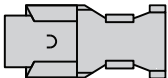
B  (side marker pigtail - reference, 2 pcs)

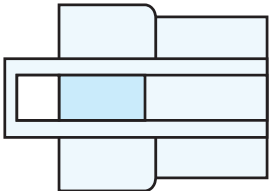
C  (fuel tank sender pigtail - reference, 1 pc)

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

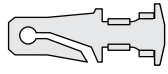
E  (56 Series single female connector , 1 pc)

F  (56 Series single female terminal, 6 pcs)

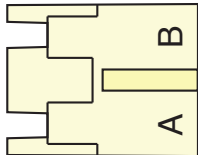
G  (56 Series double female terminal, 2 pcs)

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)

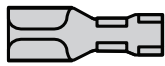
L  (56 Series double male terminal, 2 pcs)

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)

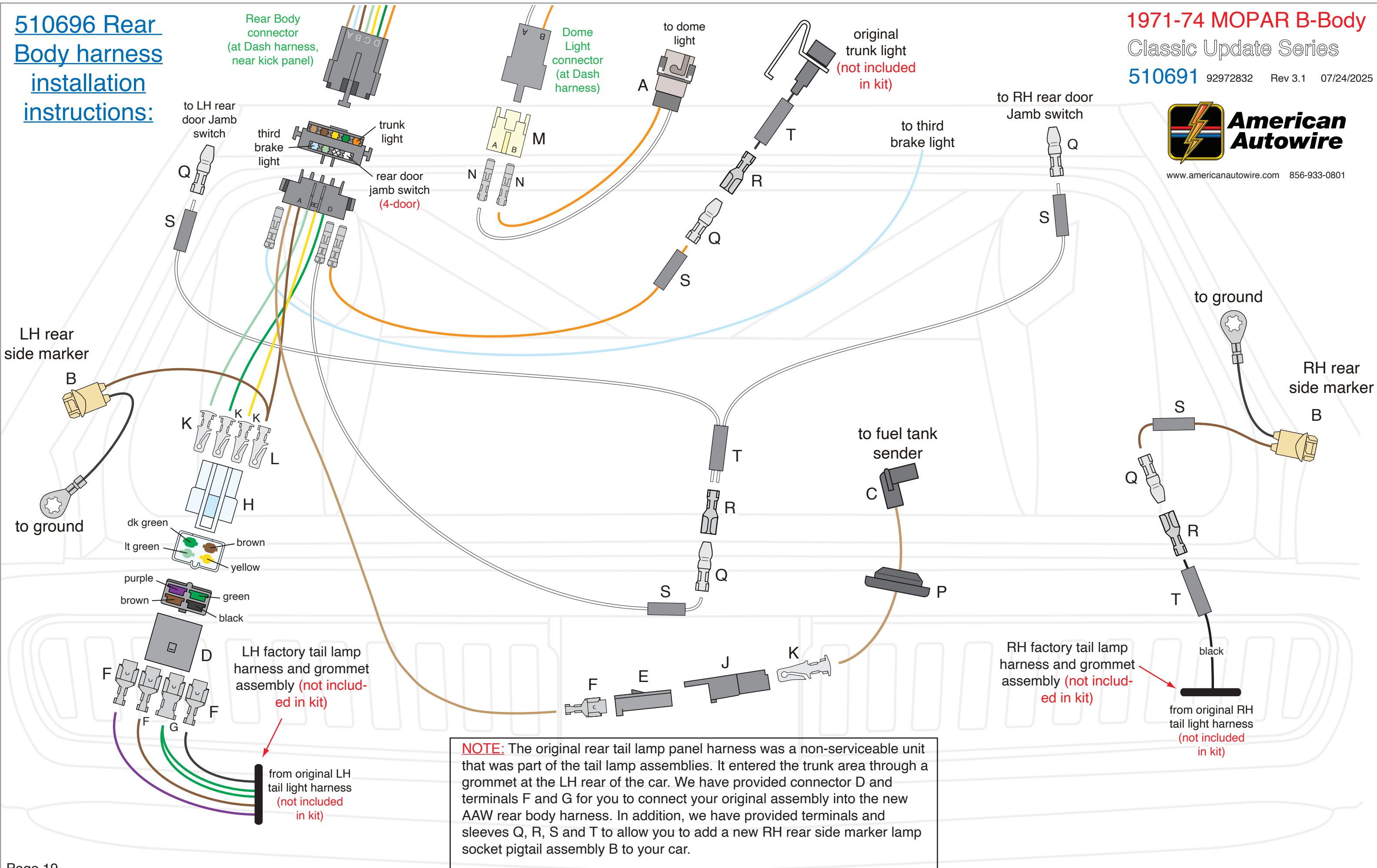
T  (large rubber sleeve, 4 pcs)



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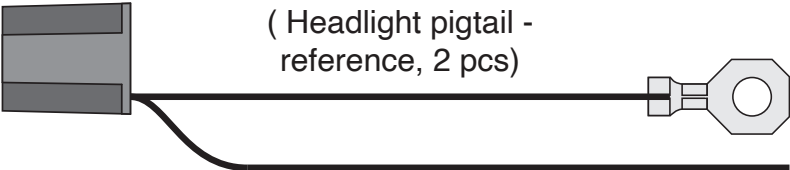
510696 Rear Body harness installation instructions:



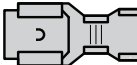
NOTE: The original rear tail lamp panel harness was a non-serviceable unit that was part of the tail lamp assemblies. It entered the trunk area through a grommet at the LH rear of the car. We have provided connector D and terminals F and G for you to connect your original assembly into the new AAW rear 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:

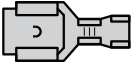
Below are the supplied misc. terminals, connector bodies and assorted components included in the Front Light Harness and Loose Piece bags. These will be used to complete your Front Light Harness connections and are referred by the letters and descriptions below from this point forward.

A

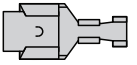
(Headlight pigtail -
reference, 2 pcs)

B

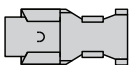
(59 Series double female
terminal, 8 pcs)

C

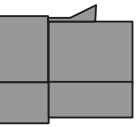
(59 Series single female
terminal, 4 pcs)

D

(56 Series single female
terminal, 9 pcs)

E

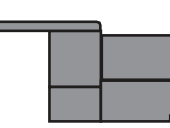
(56 Series double female
terminal, 10 pcs)

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

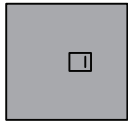
(single female
terminal, 4 pcs)

L

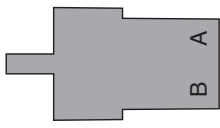
(rubber
sleeve, 4 pcs)

M

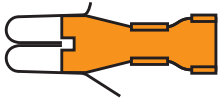
(56 Series single female
connector, 2 pcs)

N

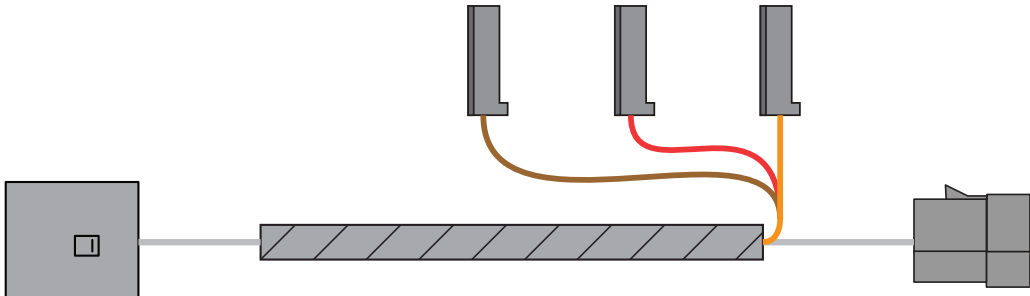
(56 Series 4-way female
connector, 1 pc)

P

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

Q

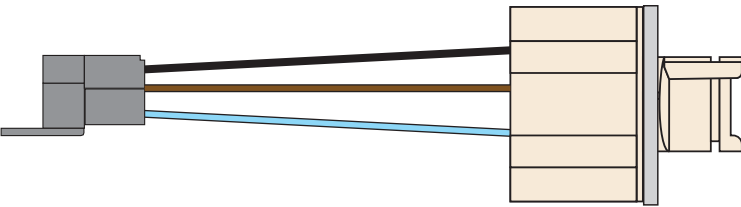
(Pack Con female
terminal, 6 pcs)

R

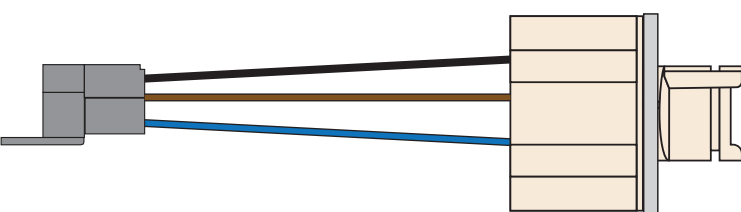
(2-speed wiper motor
jumper harness -
reference, 1 pc)

S

(side marker light extensions -
reference, 2 pcs)

T-L

(73-74 Plymouth 2-dr LH Park/Turn socket & pigtail)

T-R

(73-74 Plymouth 2-dr RH Park/Turn socket & pigtail)

U

(electric fan wire -
reference, 1 pc)



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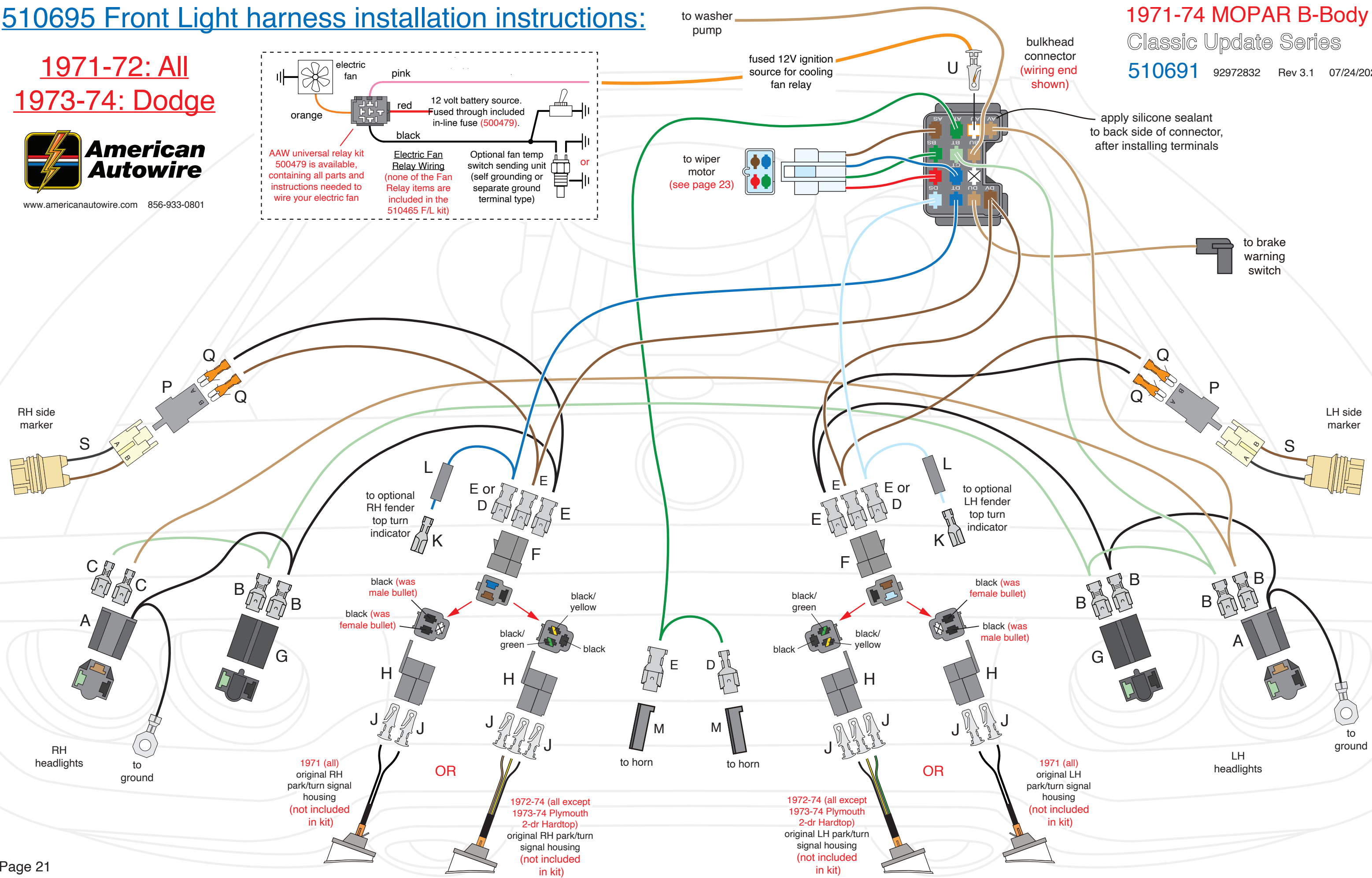
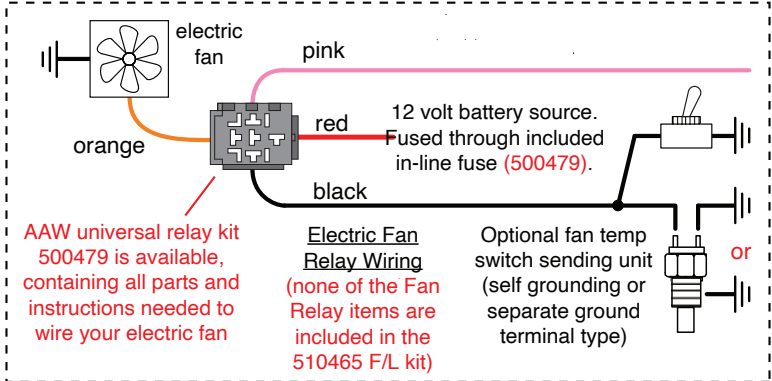
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510695 Front Light harness installation instructions:

1971-72: All
1973-74: Dodge



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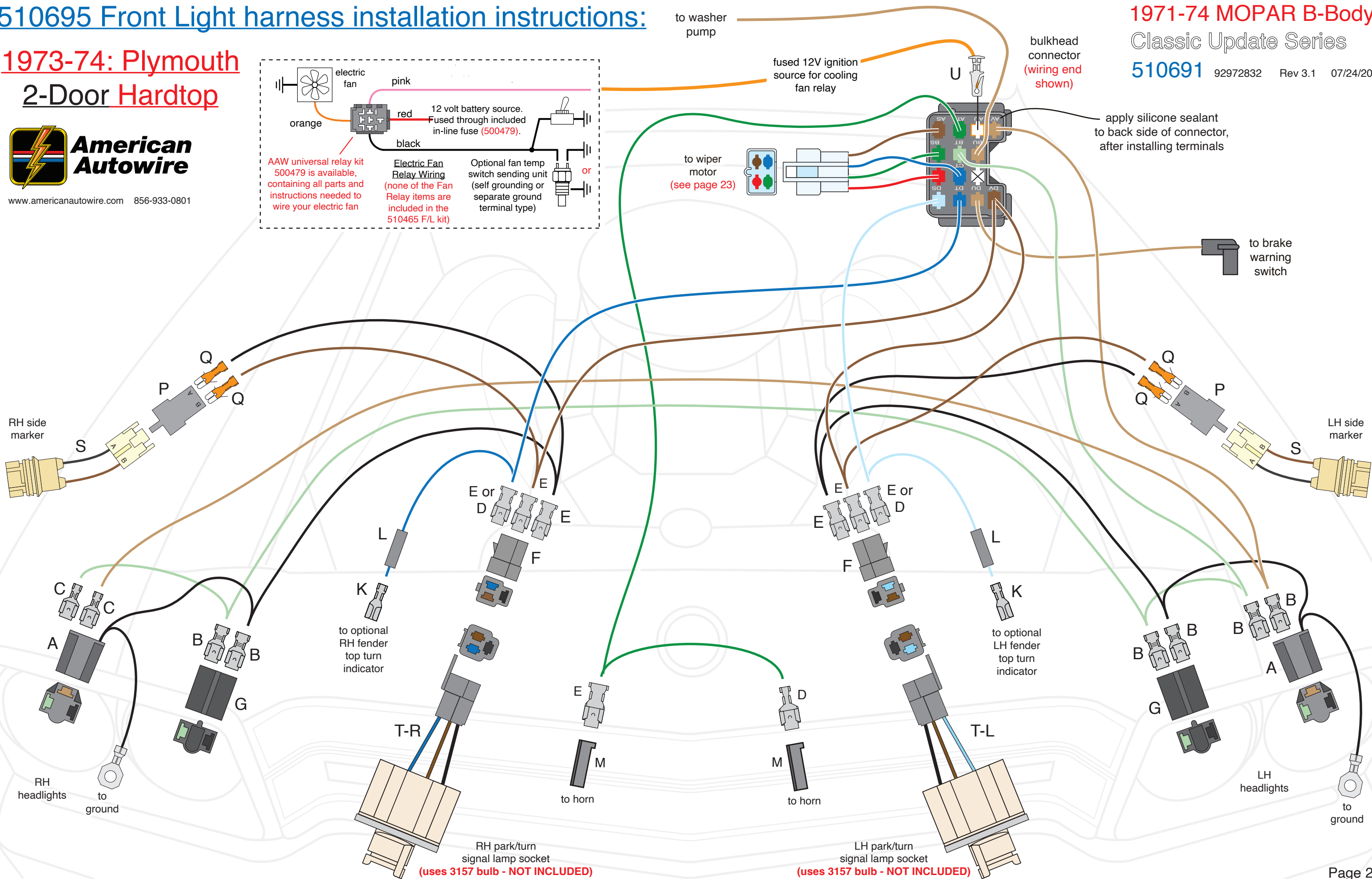
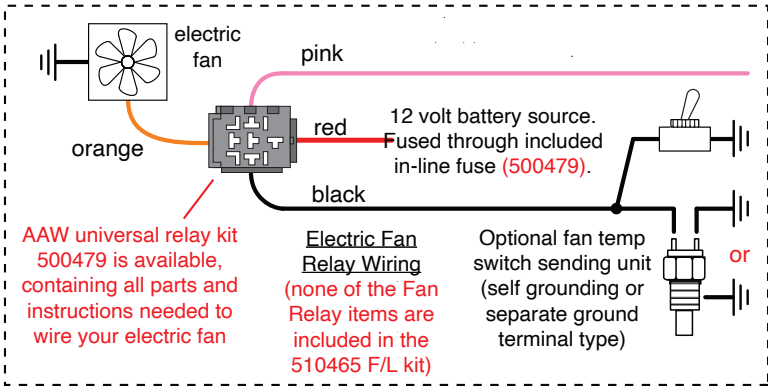
510695 Front Light harness installation instructions:

1973-74: Plymouth
2-Door Hardtop



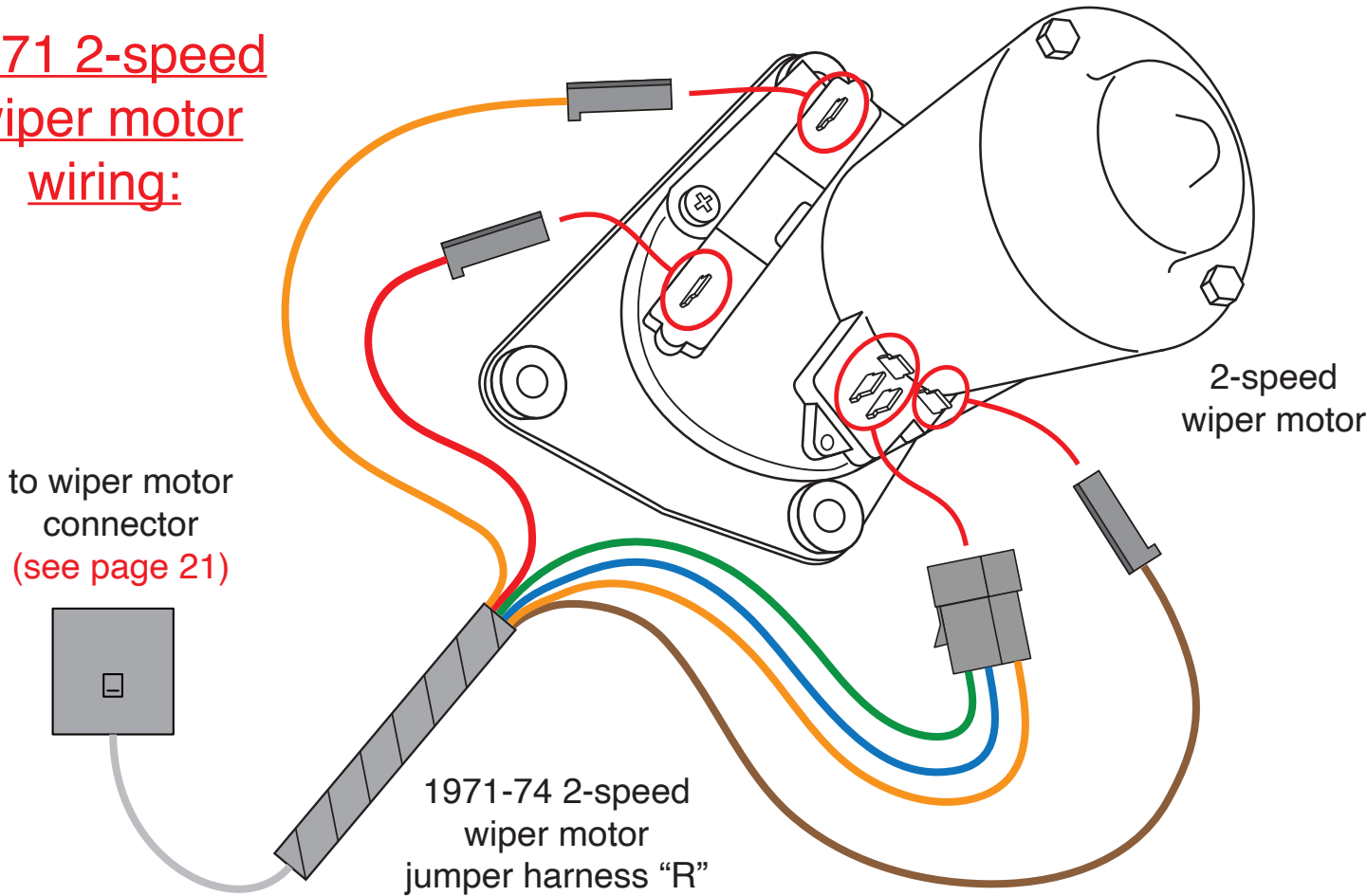
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1971-74 MOPAR B-Body
Classic Update Series
510691 92972832 Rev 3.1 07/24/2025

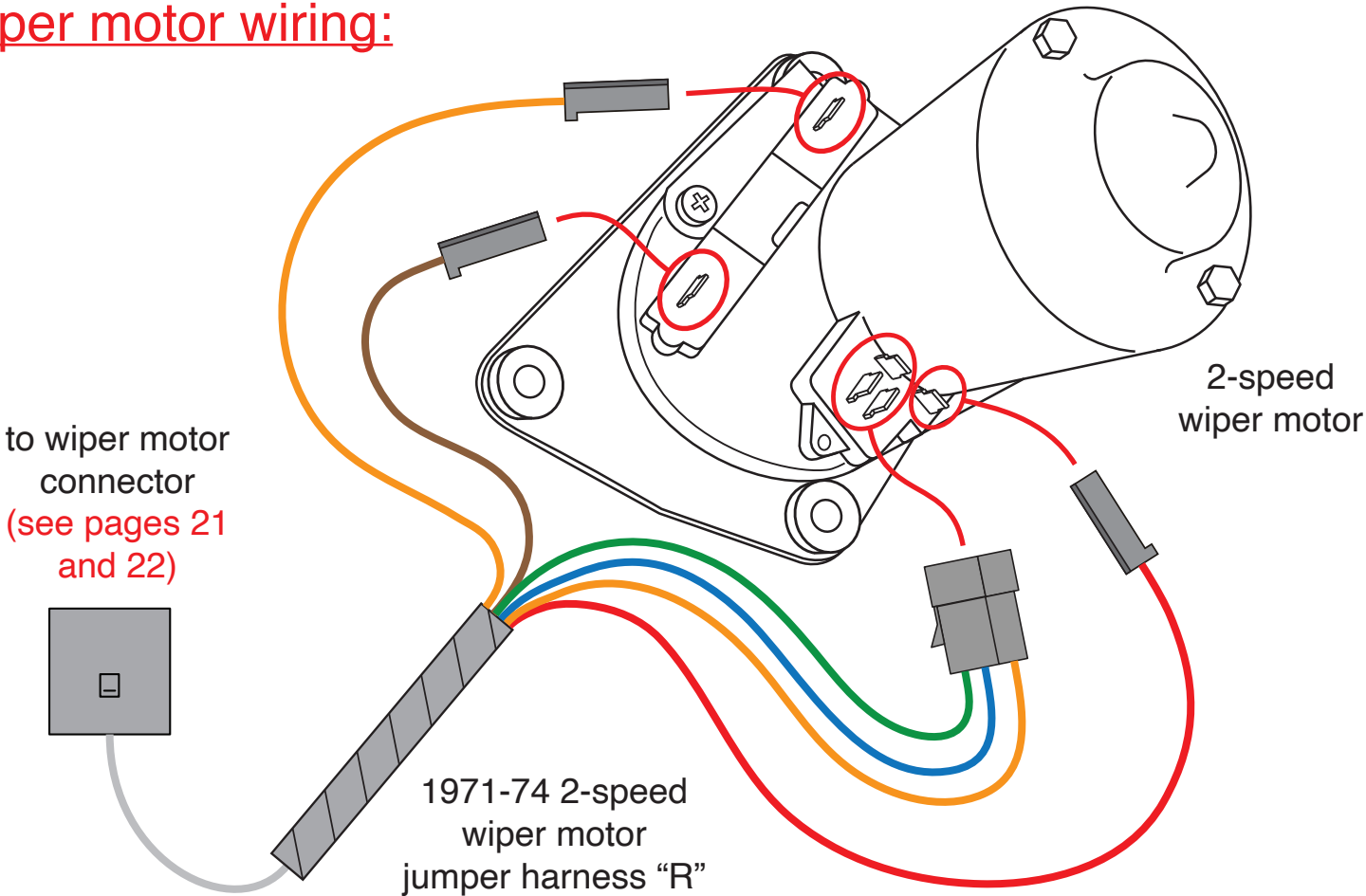


510695 Front Light harness installation instructions:

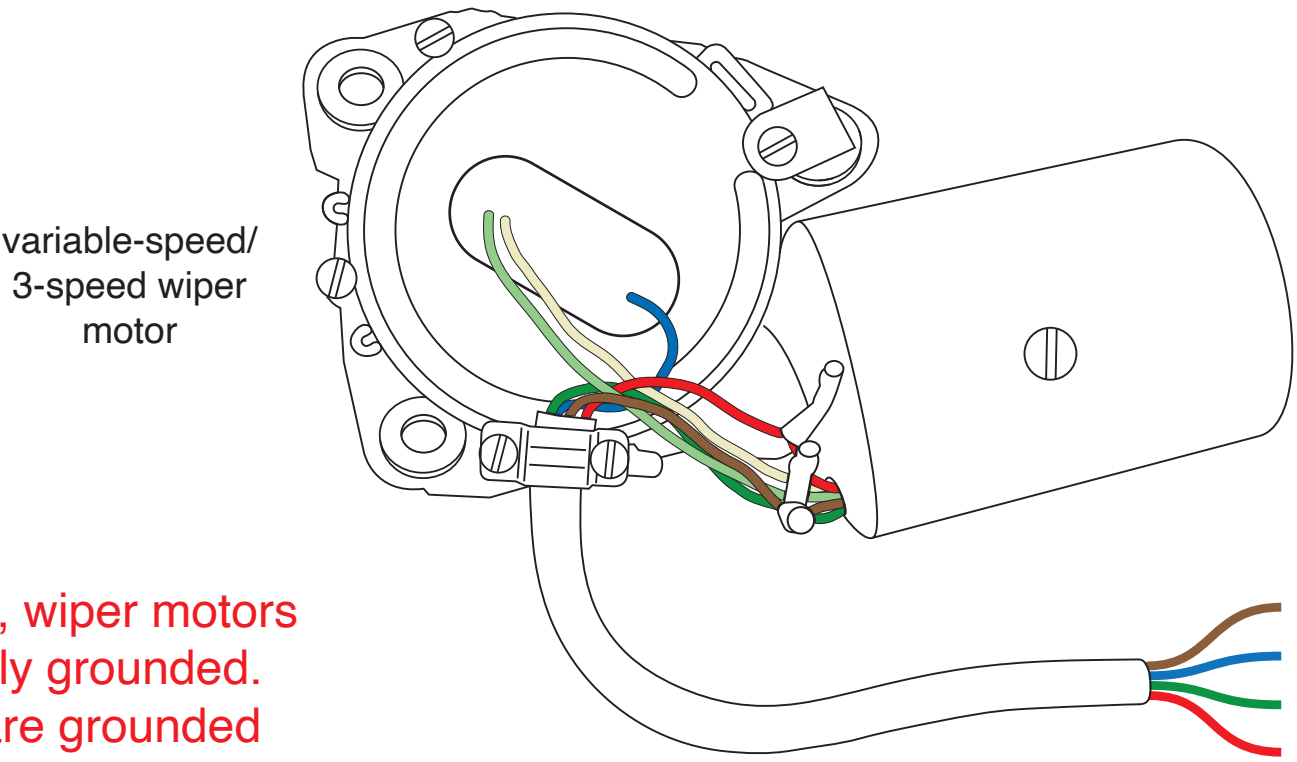
1971 2-speed wiper motor wiring:



1972-74 2-speed wiper motor wiring:



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



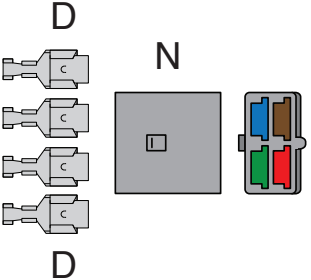
NOTE: Mating connector N and terminals D, to complete your wiper motor connection, are located in the loose piece kit for this harness (92971829).

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



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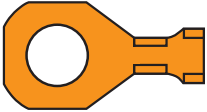
1971-74 MOPAR B-Body Classic Update Series



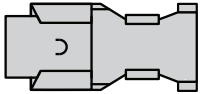
to wiper motor connector (see pages 20 and 21)

510786 Engine harness installation instructions:

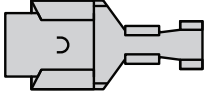
Below are the supplied misc. terminals, connector bodies and assorted components included in the Engine Harness and Loose Piece bags. These will be used to complete your Engine Harness connections and are referred by the letters and descriptions below from this point forward.

A

(ring terminal, 4 pcs)

B

(56 Series double female terminal, 6 pcs)

C

(56 Series single female terminal, 9 pcs)

D

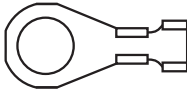
(56 Series single female connector, 8 pcs)

E

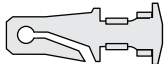
(large sleeve, 6 pcs)

G

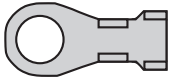
(56 Series single female connector, 2 pcs)

H

(ring terminal, 3 pcs)

J

(56 Series single male terminal, 2 pcs)

L

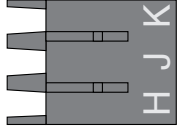
(ring terminal, 3 pcs)

M

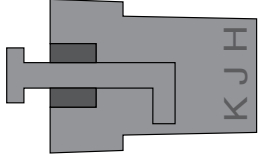
(ring terminal, 4 pcs)

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

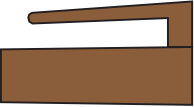
(starter solenoid feed pigtail - reference, 1 pc)

T

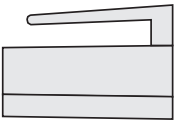
(starter to starter relay pigtail, 1 pc)

U

(electric choke pigtail - reference, 1 pc)

V

(56 Series single female connector, 1 pc)

W

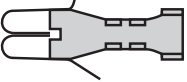
(56 Series single female connector, 1 pc)

X

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

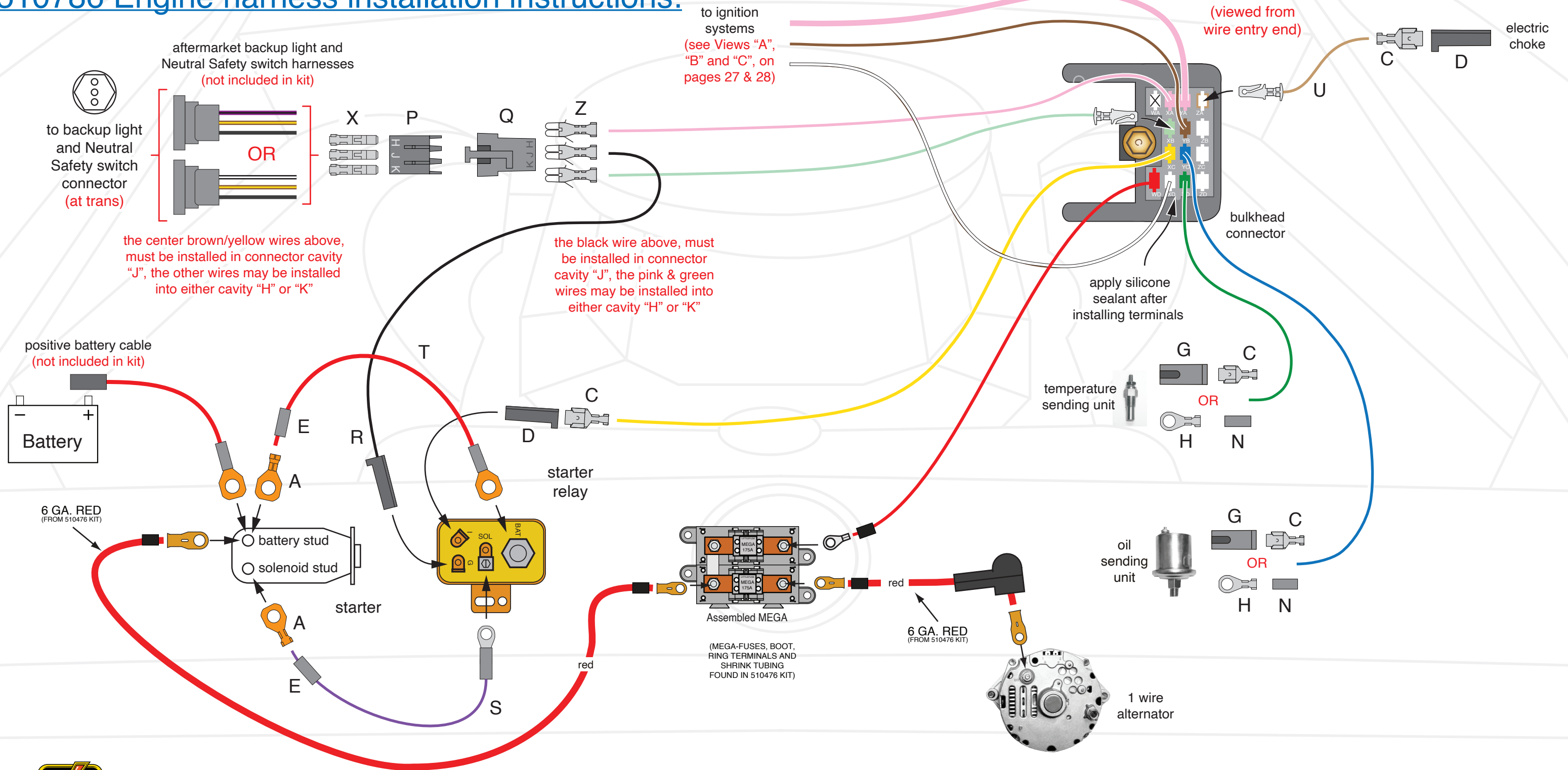
Y

(Pack Con male terminal, 4 pcs)

Z

(Pack Con female terminal, 4 pcs)

510786 Engine harness installation instructions:



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1971-74 MOPAR B-Body

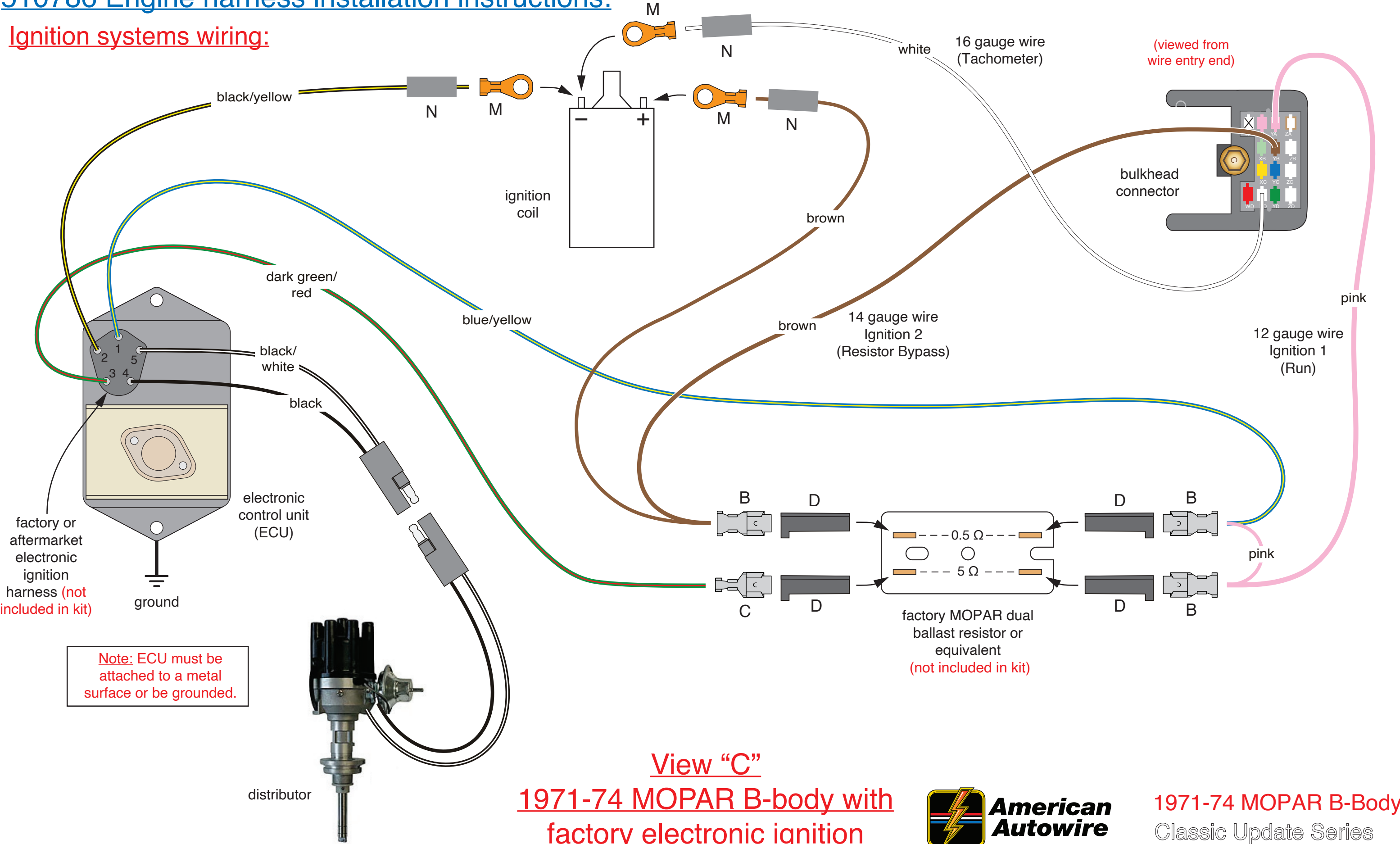
Classic Update Series

510691 92972832 Rev 3.1 07/24/2025

ALL AUTOMATIC TRANS

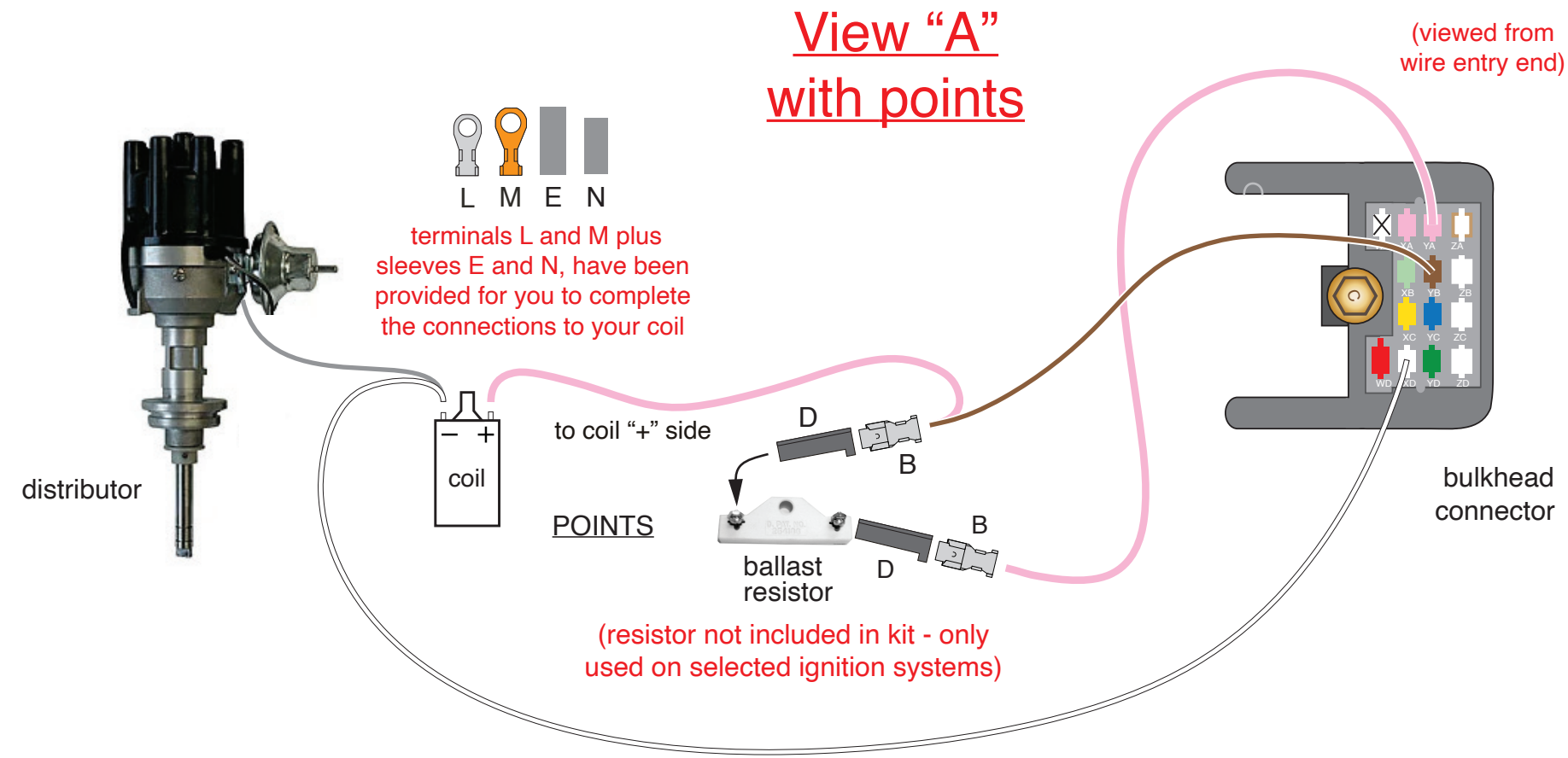
510786 Engine harness installation instructions:

Ignition systems wiring:

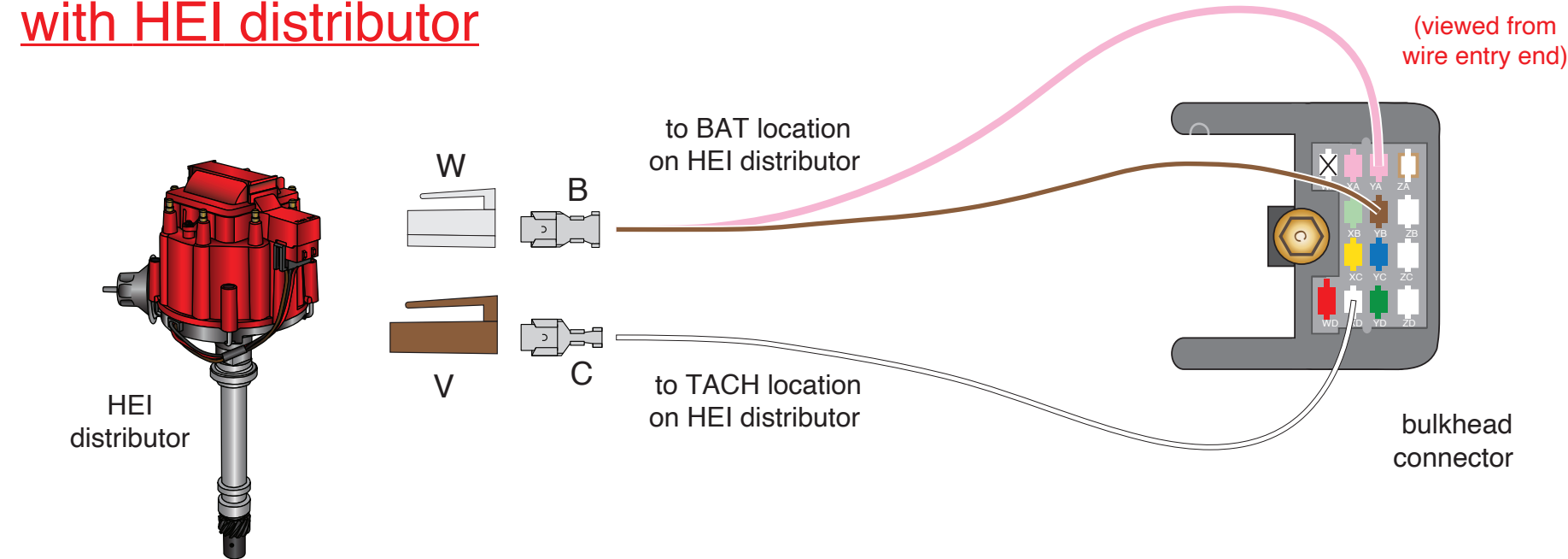


510786 Engine harness installation instructions:

Ignition system wiring:



View "B"
with HEI distributor



Ignition system wiring: OTHER IGNITION TYPES

FOR OTHER TYPES OF IGNITION SYSTEMS AND/OR EFI APPLICATIONS:

The Pink and Brown ignition wires may be connected together and used as a keyed 12(+) power feed to your ignition box or EFI computer control harness or computer.

Please note: **These wires are not fused.** Please consult the instructions for your ignition system or EFI harness to confirm if an in-line fuse is required.

Finally: The pink and brown wires **must be used together** in order for their to be power when the key is in the run and crank position.

FINAL STEPS:

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.



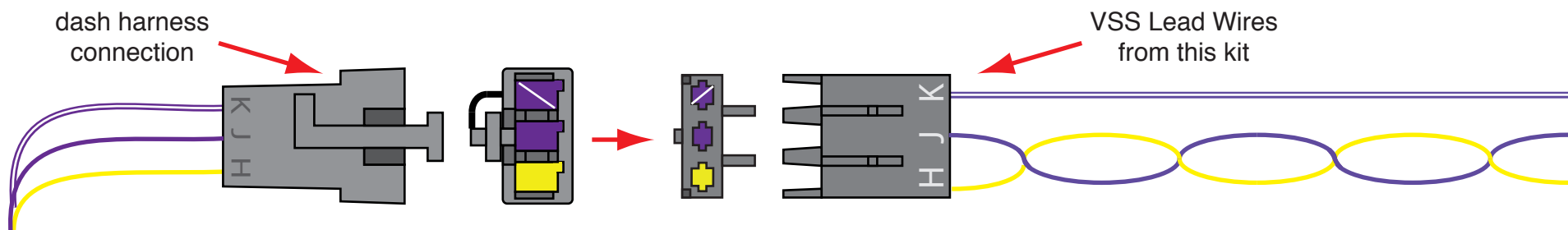
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1971-74 MOPAR B-Body
Classic Update Series

510691 92972832 Rev 3.1 07/24/2025

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



520002 Digital Gauge System Dim Wire Kit:

Ford Classic Update Kits (See page 2 MOPAR & JEEP kits)

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 “PARK LIGHTS” / “REAR RUNNING LIGHTS” Wire(s) from the cavity shown in the illustration below. **DO NOT** cut the terminal off this connection, 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:

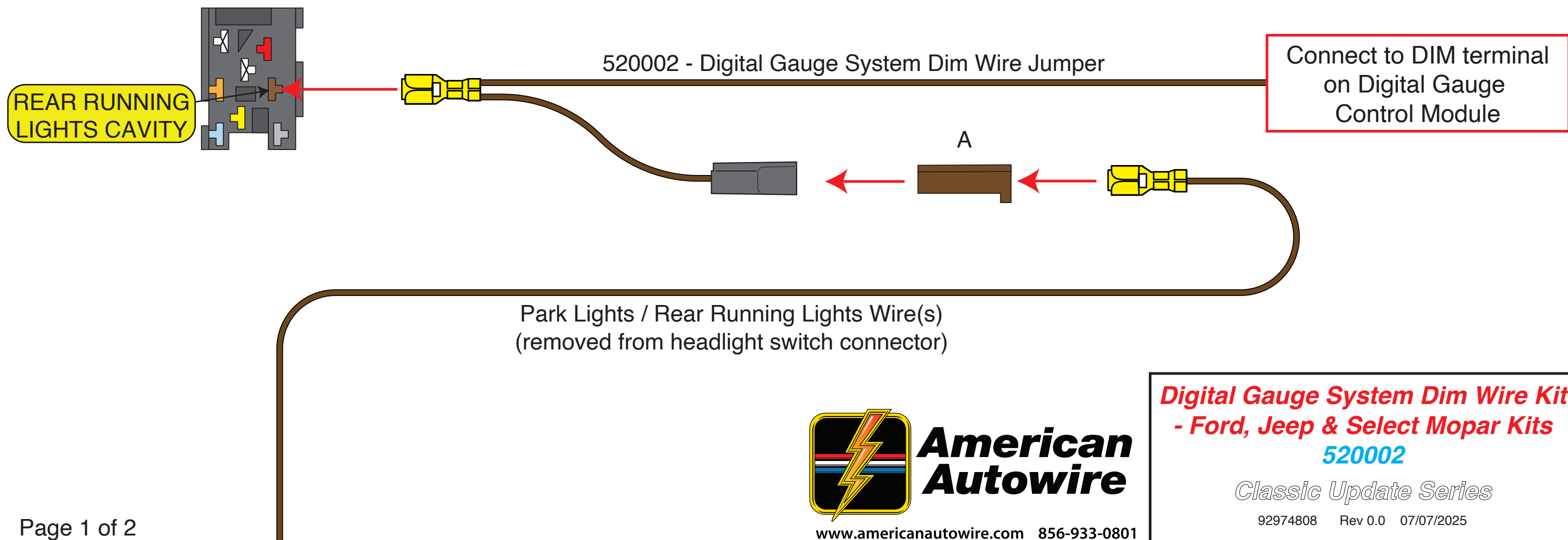
Take the pre-terminated end of the dim wire jumper, which includes two wires in one terminal, and insert it into the now vacant cavity of the headlight switch connector (where the “PARK LIGHTS” / “REAR RUNNING LIGHTS” wire(s) have been removed).

3. Reconnect the Rear Running Lights Wire:

Insert the now loose “PARK LIGHTS” / “REAR RUNNING LIGHTS” wire terminal into the provided 58Fx1 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.



520002 Digital Gauge System Dim Wire Kit:

MOPAR & JEEP Classic Update Kits

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 “PARK LIGHTS” / “REAR RUNNING LIGHTS” Wire(s) from the cavity shown in the illustration below. **DO NOT** cut the terminal off this connection, 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:

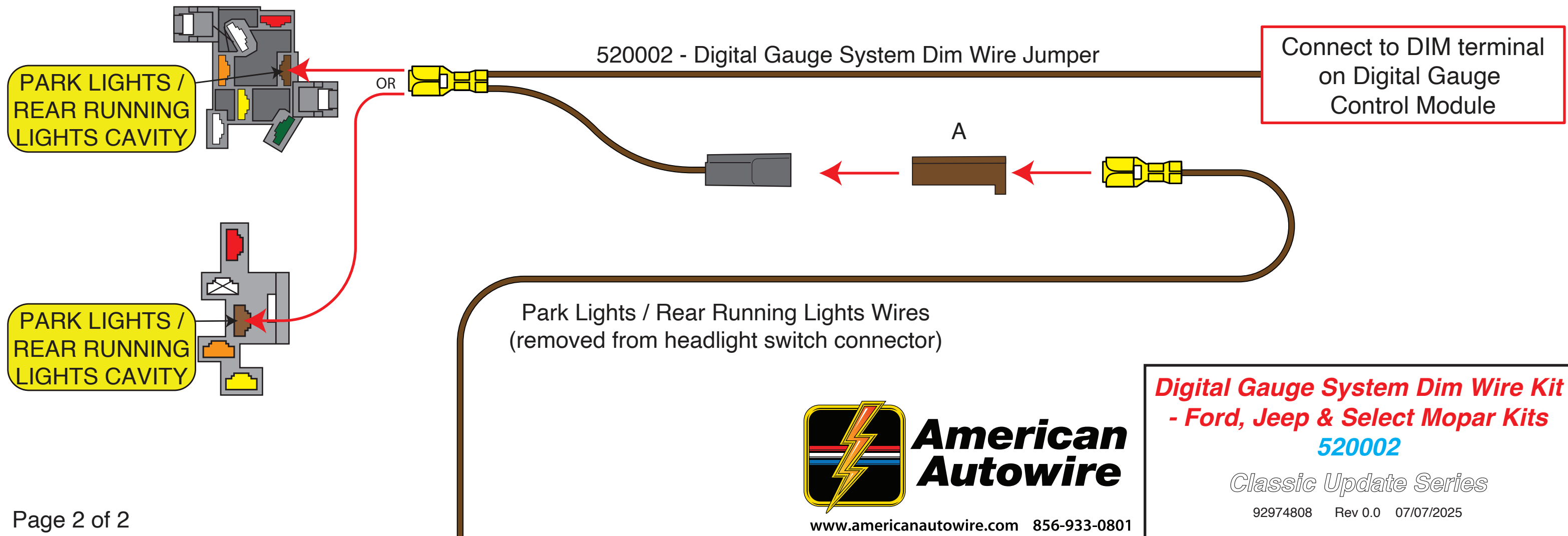
Take the pre-terminated end of the dim wire jumper, which includes two wires in one terminal, and insert it into the now vacant cavity of the headlight switch connector (where the “PARK LIGHTS” / “REAR RUNNING LIGHTS” wire(s) have been removed).

3. Reconnect the Rear Running Lights Wire:

Insert the now loose “PARK LIGHTS” / “REAR RUNNING LIGHTS” wire terminal into the provided 58Fx1 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.



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.

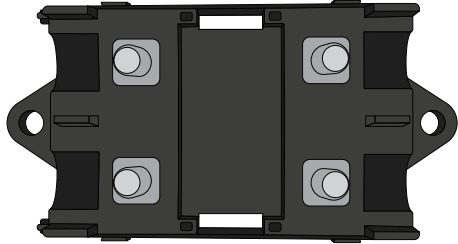
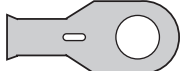
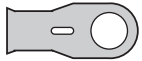
- **At the alternator end:** Slide the Alternator Boot (Item “E”) on the end of the wire. Crimp and solder a 6Ga. Alternator Ring Terminal (Item “J”) and secure the newly crimped end to the battery stud on the alternator.
- **At the megafuse block end:** Crimp and solder a 6Ga. Megafuse Ring Terminal (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:

- bag

Z
- 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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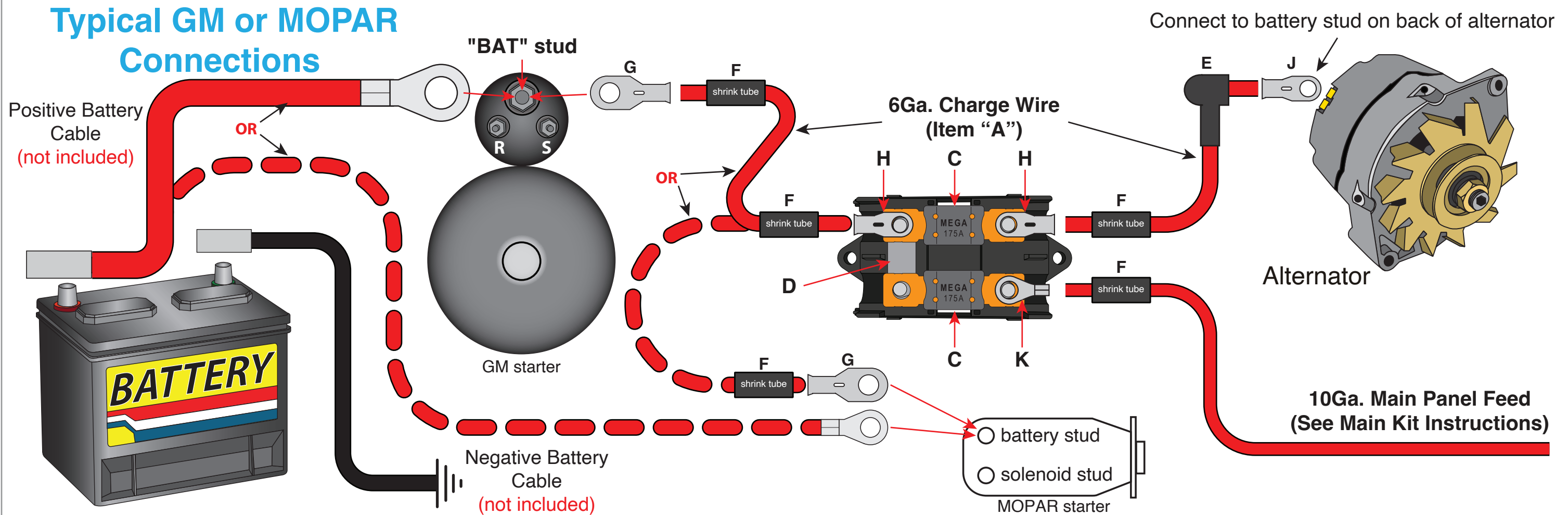
Alternator and Main Power
Connection Kit

510476

Classic Update Series

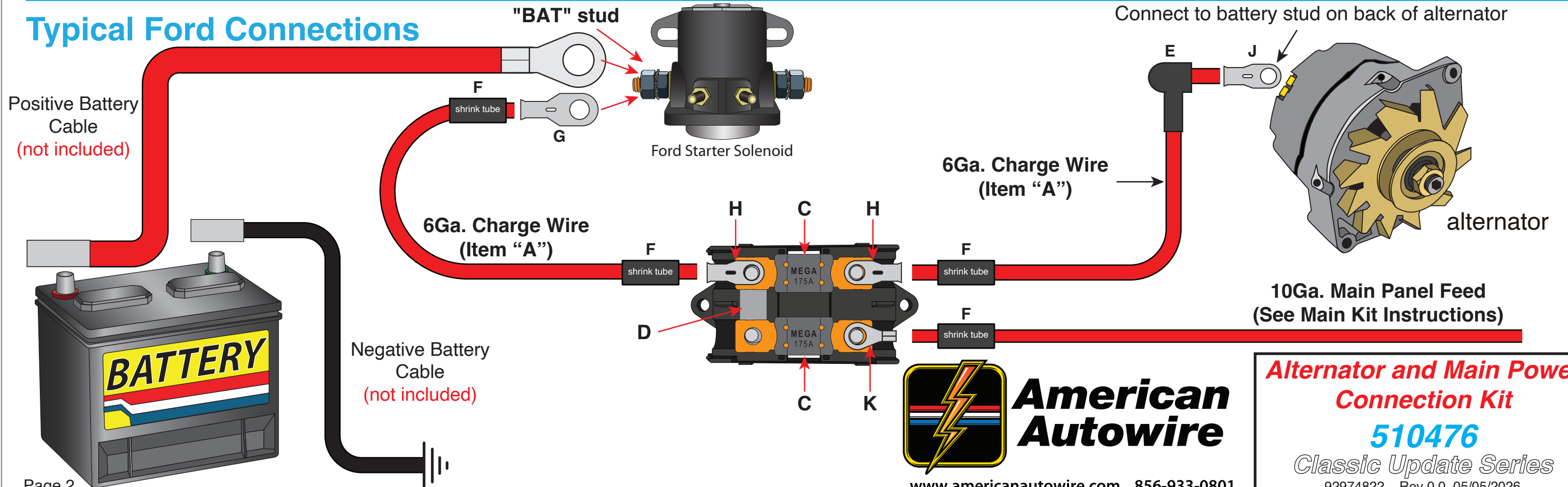
92974822 Rev 0.0 05/05/2026

Typical GM or MOPAR Connections



bag
Z

Typical Ford Connections



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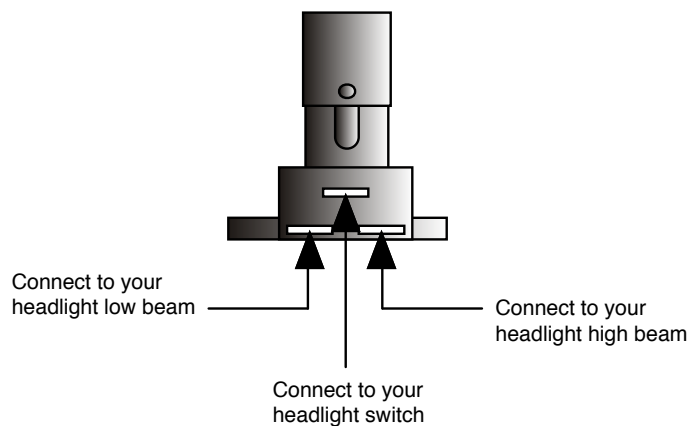
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**Alternator and Main Power
Connection Kit**

510476

Classic Update Series

92974822 Rev 0.0 05/05/2026



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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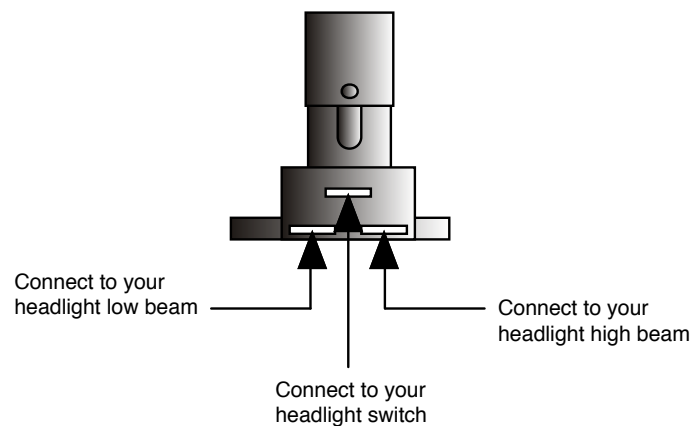
PART #

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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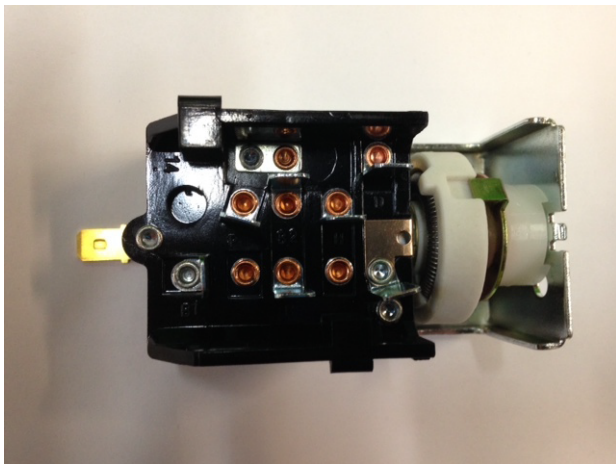
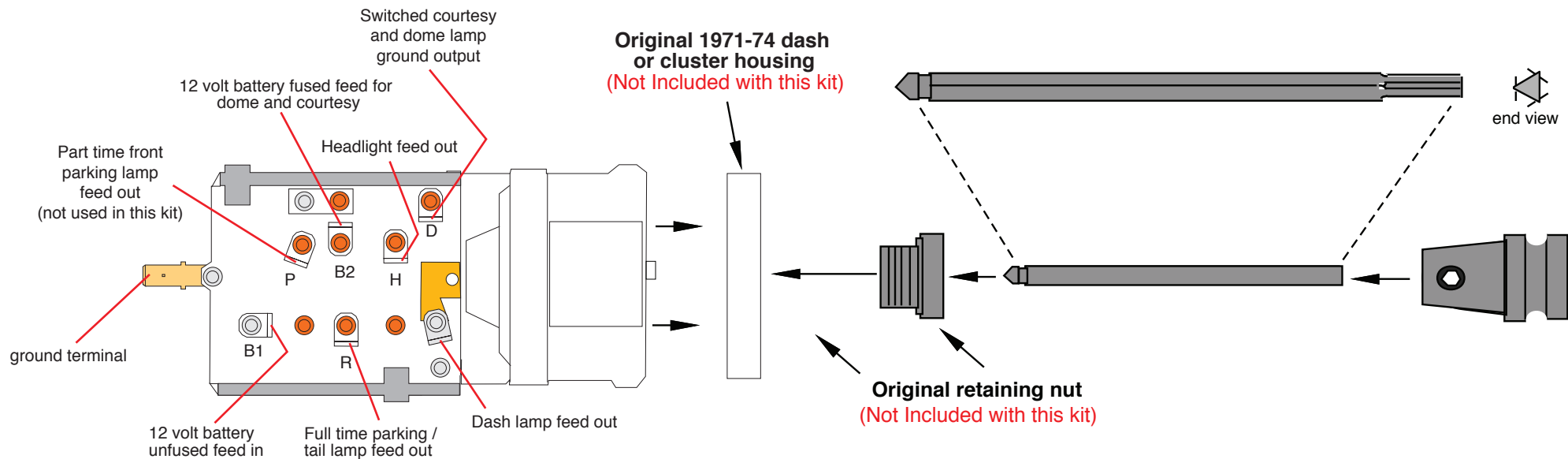
PART #

500042

DESCRIPTION:

DIMMER SWITCH

92964573 Rev 3.1 12/5/2014



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