### Fuse Box

 $\bigcirc$ 

 $\bigcirc$ 

Fuse Box Lid

Made in the USA

 $\cap$ 

 $\bigcirc$ 

### NOTE:

If your fuse box and fuse box lid look like this, these **ARE** the correct instructions for your application. If the word "BUSSMANN" appears on your fuse box or fuse box lid, you have have an earlier version of this kit and these **ARE NOT** the correct instructions.

## **KIT BOX CONTENTS:**

Description Number 510476 Alternator and Main Power Connection Kit 510881 Main Harness Kit w/ AAW Fuse Panel 510461 Instrument Cluster Wiring Kit 510462 **Rear Body Wiring Kit** 510465 Front Light Wiring Kit 510466 **Engine Wiring** 500042 Floor Dimmer Switch 510053 **Ignition Switch** 510054 Headlight Switch 510131 Wiper Switch Connection Kit 510469 Fuse, Relay & Flasher Kit 510473 Front Light Side Marker Wiring Kit Practice Terminal Kit 500919 92973556 **Kit Instruction Sheets** 92972156 **Relay Bank Mounting Template** 92972201 Fuse Box Bracket Mounting Template



www.americanautowire.com 856-933-0801

Classic Update Kit 1966-68 Mustang 510055

92973798 Rev. 0.0 03/22/2024



### 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 kit should typically be used in a MODIFIED 1967-1968 Mustang application only.

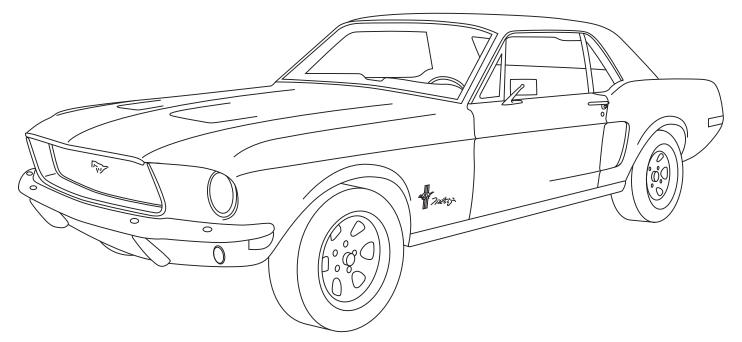
2. This kit only supports the use of a higher current self-exciting 1 wire, or other style internally regulated alternator. An adapter may be necessary for certain applications. No stock alternators are supported.

3. This kit WILL NOT support the use of a factory ammeter. All AAW kits are engineered to supply the optimum charge to the battery. To achieve this performance, we route our 6ga, charge wire directly from the alternator output terminal to the starter solenoid. Due to the path of the charge being altered from the stock configuration, the gauge can no longer see a charge vs. a discharge, so it will not work properly. When ammeters were originally used, most alternator current outputs were rated at maximum of about 25-60 amps. Modified cars being built today typically utilize a 100 amp or higher output alternator. With these higher current units, ammeters, generally speaking, become a safety hazard. Ammeters are usually wired in parallel to the charging circuit, are typically unfused, and can short very easily causing a fire. A voltmeter is recommended as a good alternative.

4. This kit WILL NOT support the use of a factory tachometer in it's original connection application as those tachs wired the primary ignition circuit directly in series through the tach and then out to the positive side of the coil. With this type of connection, any type of MSD or high energy ignition will generally destroy the internal circuitry of the tach and will cause the car to quit running as voltage will no longer flow through the tach and out to the coil or ignition control unit. HOWEVER, if your factory tach has been upgraded or retrofitted to a later style movement where the pulse post on the tach gets wired to the negative side of the coil (or to the tach output on an MSD box or similar unit) and the feed post of the tach uses a conventional 12 volt ignition connection, you will be able to use this harness system.

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 that is hot in both the start and run positions. It will support HEI, MSD, other electronic ignition systems, as well as computerized Fuel Injection systems. If you wish to run a points type system, there are illustrations on the engine connection pages (page 17 of this instruction set) to do so. Extra parts that are not included in this kit will be required to complete that operation.

6. This kit supports the use of, and supplies the wiring for, a factory heater only sysytem. It also contains a 12 volt feed wire for use with the factory heater system, the factory A/C system (A/C harness wires are NOT included), or most aftermarket heat and A/C systems.



## 510055 - Classic Update Series Kit 1967-68 Mustang

This kit contains the following components:

	Part		
<u>Bag</u>	<u>Number</u>	Description	<u>Quantity</u>
	510054	Headlight Switch	1
	510469	Fuse, Relay, and Flasher kit	1
	500042	Dimmer Switch	1
	510053	Ignition Switch	1
	500919	Practice Terminal Crimping Set	1
G	510881	Dash Harness kit	1
Н	510461	Instrument Cluster Wiring kit	1
J	510466	Engine Wiring kit	1
L	510465	Front Light Wiring kit	1
Μ	510462	Rear Body Wiring kit	1
Z	510476	Alt. & Main Power Connection kit	1
Ν	510131	Washer Wiper Wiring kit	1
	510473	Front Side Marker Connection kit	1

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



1967-68 Mustang





www.americanautowire.com 856-933-0801



© COPYRIGHT 2004 American Autowire / Factory-Fit Used with express permission of American Autowire / Factory-Fit

92973556

Rev 1.0

10/20/2023

# **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 barrell 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.



end view of un-crimped terminal

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)



We carry many accessories for your 1967-68 Mustang:

## Split Braid Harness Wrap

p/n 510152 1/4" x 10' p/n 510153 1/4" x 15' p/n 510154 3/8" x 10' p/n 510155 1/2" x 10' p/n 510156 3/4" x 10' p/n 510157 1.0" x 10'



### STEP 1: DISCONNECT YOUR BATTERY:

Disconnect the battery, before installing the wiring kit, to prevent any accidental shorting caused by loose or bare wire ends.



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





wire core

proper crimp of terminal

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



p/n 510587 Includes Both terminal crimping tools





p/n R0067108 OEM style non-stick harness tape

1967-68 Mustang

Classic Update Series

510055 92973556 Rev 1.0 10/20/2023

### **STEP 2: START INSTALLING 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 below:

## Table of Contents:

Bags: Pages: Sections:

## G 4 - 10 **Dash Harness - This is the main harness in the kit and contains:**

- Heater feed and switch, radio, horn and lamp relay connections.
- Door jamb switch, door courtesy and rear body harness connections.
- Ignition, lighting, dimmer, brake, turn signal switch and wiper feed connections.
- Neutral safety and back up light switch connections, console connections.

## N 6 and 8 Washer/Wiper Harness - This Harness contains:

- Windshield wiper and washer coordinator harness assembly.

## H 11 - 15 Gauge Cluster Harness - This Harness contains:

- Gauge connections for aftermarket and factory gauges.

## J 16 - 17 Engine Harness - This Harness contains:

- Temperature, oil pressure, tachometer wiring.
- Ignition system / ECU power.
- Alternator connections.
- Starter solenoid connections.
- Main panel feed connections.

## Z 16 - 17 Alternator and Main Power Kit - This Harness contains:

- Megafuses, hardware, terminals and 6 ga. alternator charge wire.

### L 18 - 19 **Front Light Harness - This Harness contains:**

- Headlight, turn signal, running light, front side marker light connections.
- Electric fan relay trigger.
- Fog light connections.
- Brake warning light connections.
- Horn connections.

### M 20 - 21 **Rear Body Harness - This Harness contains:**

- Tail light, turn signal, reverse light, running light and third brake light connections.
- Fuel tank sender connections.
- Dome light connections.



## 1967-68 Mustang

Classic Update Series

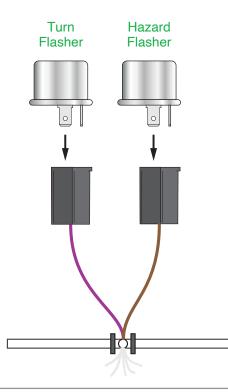


## PLEASE READ THIS HELPFUL INSTALLATION TIP, BEFORE GOING ANY FURTHER!

Prior to installing the Dash/Main harness in your dashboard, plug all of the fuses (510469 kit) into the Fuse Box (see detailed picture below) and the Hazard and Turn Flashers into the harness. The Headlight, Fog Light and Horn Relays will plug into the harness after you mount the relay bank to the wiper motor support bracket. (see detailed pictures below).

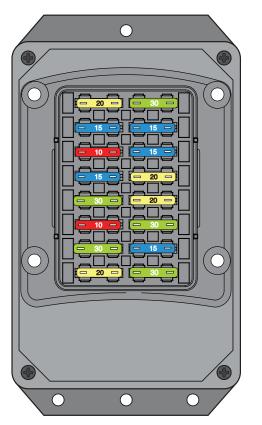
Fuel Pump 20A - IGN	16	8	Pwr. Window 30A - IGN
Elec. Choke 15A - IGN	15	7	Hazard 15A - BAT
Gauges, B/U 10A - IGN	14	6	Stop/Courtesy 15A - BAT
Turn 15A - IGN	13	5	Power Locks 20A - BAT
Engine Fan 30A - ACC	12	4	Cigar - Lighter 20A - BAT
Radio 10A - ACC	11	3	Power Seat 30A - BAT
Heat/AC 30A - ACC	10	2	Clock/Radio 15A - BAT
Wiper 20A - ACC	9	1	Batt - Spare 30A - BAT

### Fuse label on inside of Fuse Box cover



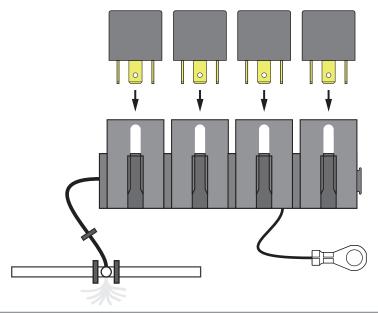
Page 3

www.americanautowire.com 856-933-0801



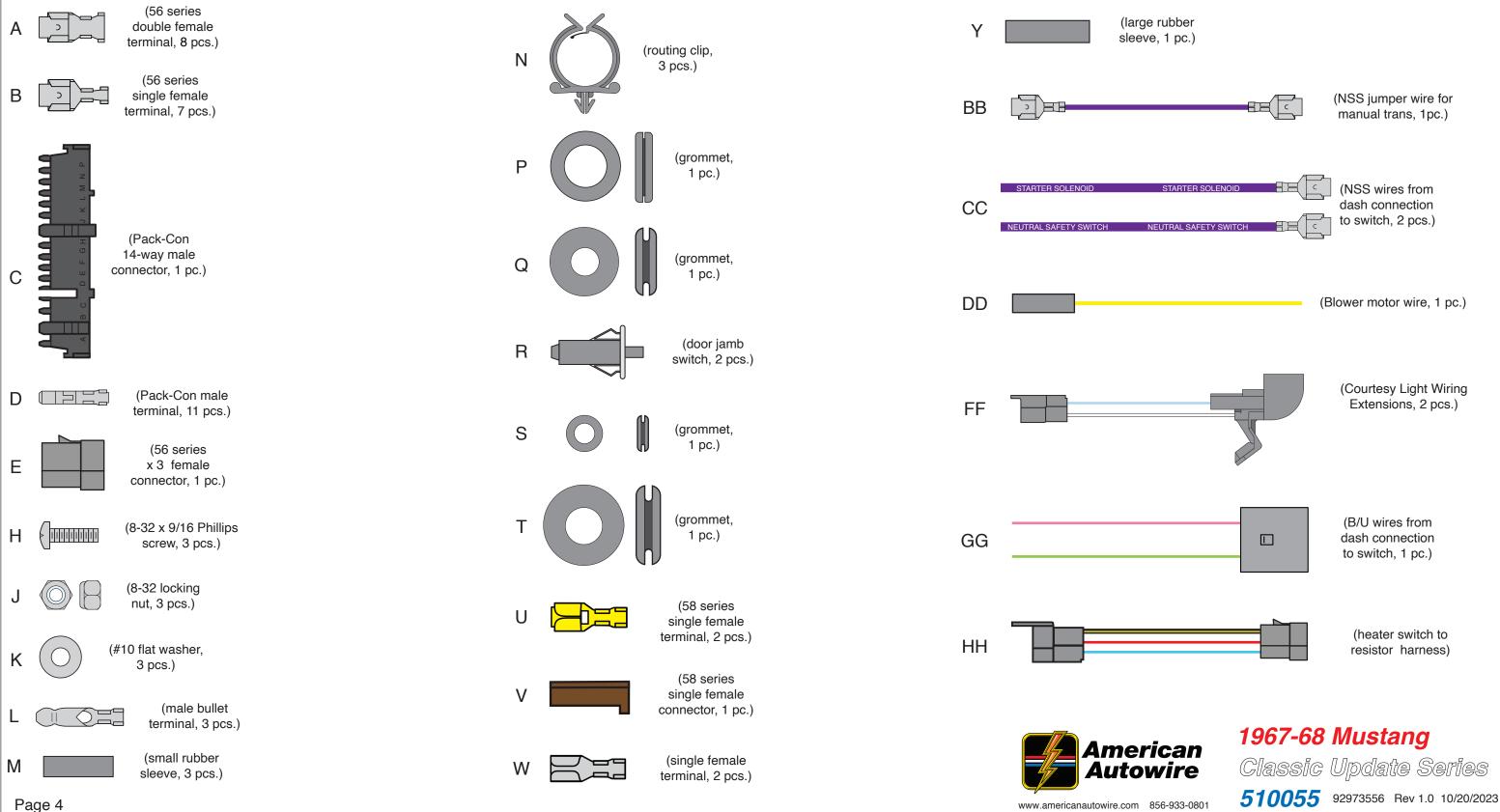
Fuse Installation Locations

Headlight, Fog Light and Horn Relays (<u>NOTE</u>: **DO NOT** plug the relays in until after you have mounted the relay bank to the wiper motor support bracket)



## **Dash/Main harness installation instructions:**

Shown below, are the supplied misc. terminals, plastic connector bodies, hardware, jumpers and extensions, included in the Dash/Main Harness and Loose Piece bag (510881) 92973540 that will be used to complete your Dash/Main harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Dash/Main instruction set.



## Dash/Main fusebox /bracket/ harness assembly mounting instructions:

1. Prior to installing the dash harness into the car, be sure you have installed all of the fuses into the fusebox (see top of page 3). See fuse panel mounting instructions 92972201 and Items 1 and 2 on this page for detailed installation instructions on the mounting of the fuse panel assembly. Route the harness as shown in pics 1 - 6, and items 3 - 12 on this page.

2. Mount relay bank to wiper motor support bracket, then plug in the relays. See #2 at right, and template 92972156 for details.

3. Plug the white wiper feed wire from the AAW dash harness into the new 510131 wiper harness as shown on pages 6 and 22 of this instruction set. The wiper switch connector will plug onto the wiper switch when you install the cluster assembly into the dash; the wiper motor connector will plug onto the motor assembly; the washer leads will plug onto the coordinator (see pg. 22)

4. Plug ignition switch 510053 into harness connector, attach brown wire with ring terminal to the threaded stud, plug tan wire onto ground blade of the ignition switch and install completed assembly into your dash (see switch instructions). Plug in your cigar lighter connection. Plug H/L switch 510054 into harness connector and install into your dash (see switch instructions).

5. Route the front light, engine and dimmer switch connections back around the fresh air vent as shown in #'s 4 and 5 below so that they are at the pass-through opening in the firewall, then route the dimmer switch connection down to the floor area and attach to dimmer switch 500042. Secure dimmer switch to the toeboard/floor. Plug in front light wiring 510465, and engine wiring 510466. After installing firewall grommet "T" in the pass-through opening in the firewall, route the engine and front light wires out into the engine bay. See pages 16, 17, 18 and 19 for installation details.

6. Drop rear body harness lead and LH doorjamb switch wires down inside the LH door hinge pillar as shown in # 6 below. Make LH door switch and courtesy lamp connections. See pages 6 and 9 for details. Plug in your rear body harness 501462, then route the wires along the door sill back to the trunk area. See pages 20 and 21 for connection details.

7. Plug brake switch connection onto your existing brake switch. See page 6.

3. With the cluster and original wiring removed, route

through the opening between the wiper motor bracket

and steering column, then down across the bottom of

the new "dash harness" away from the firewall and

your dash, through provided clips "N" (in case your

originals are missing or damaged), and above your

8. Assemble the NSS and B/U switch extension (items BB, CC and GG from page 4) and plug onto dash harness connection. See pages 6 and 10 for detailed installation instructions.

9. Plug in your steering column connections. See pages 6 and 8 for detailed installation instructions.

10. Build your gauge cluster harness, then plug the finished assembly into the dash harness connections as shown on page 6. See pages 11-15 for details on building your cluster harness. Please note that there are several different choices and be sure you have picked the proper choice for your car's application.

11. Build your stock heater connections. Note the installation of firewall grommet "S" from page 4. See page 10 for details.

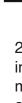
12. Pass remaining harness over past the radio and heater controls to the RH side of the car. Make the radio, console, glove box, RH door switch and courtesy lamp connections as necessary. Attach the instrument cluster ground wire to the metal dash assembly. See pages 7 and 9 for details.

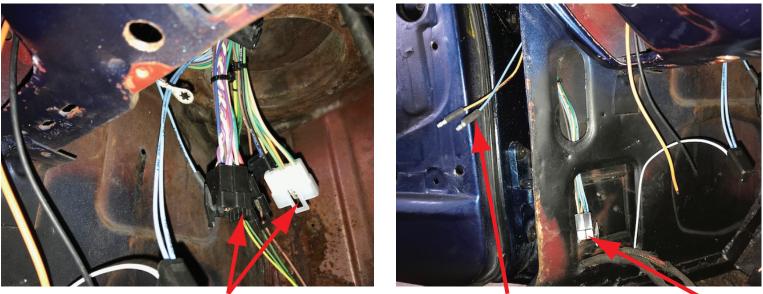


4. Route the harness assembly around the left side to the LH door hinge pillar area. Your rear body and LH door jamb switch wires will route down through the door jamb A-piller as shown in #6. The engine and front light harness disconnects, the LH courtesy lamp plug, and your dimmer switch connection route through the existing loop clamp at the air vent box as shown above. (Air vent box removed for photo)



1. Mount the loaded fusebox assembly in the same general location as your original and as shown above using screws, nuts and washers "H, J and K" found in the **510881** dash loose piece kit. Route the harness up through the existing loop clamp and along the side of the wiper motor and bracket assembly.





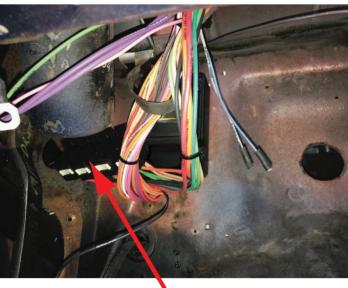
5. Your engine (510466) and front light (510465) harnesses will plug onto these 4 dash leads, will route out to the Engine Compartment. The final connection details are shown on pages 16,17, 18 and 19 of this instruction set.



steering column as shown above. Page 5

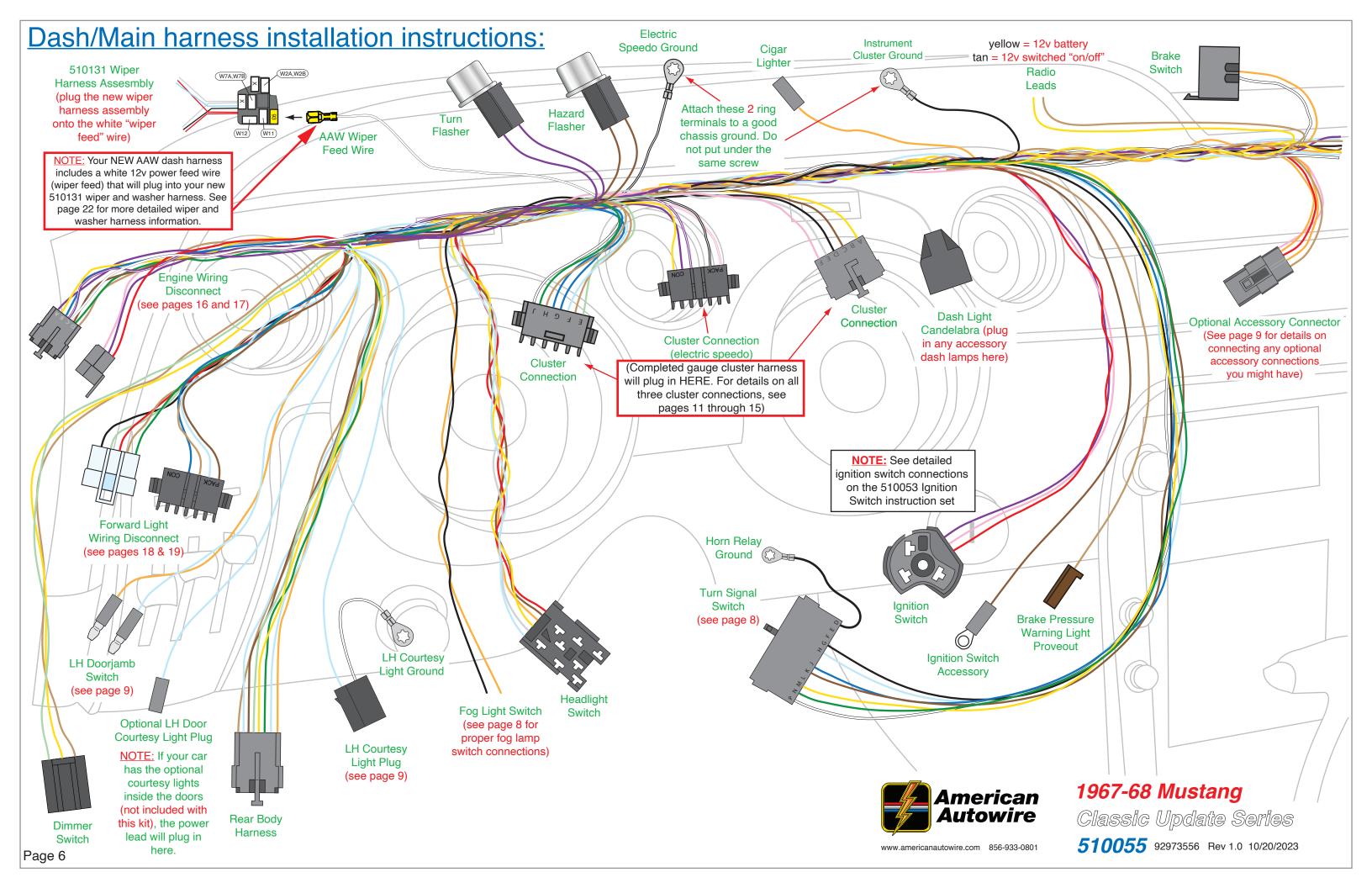


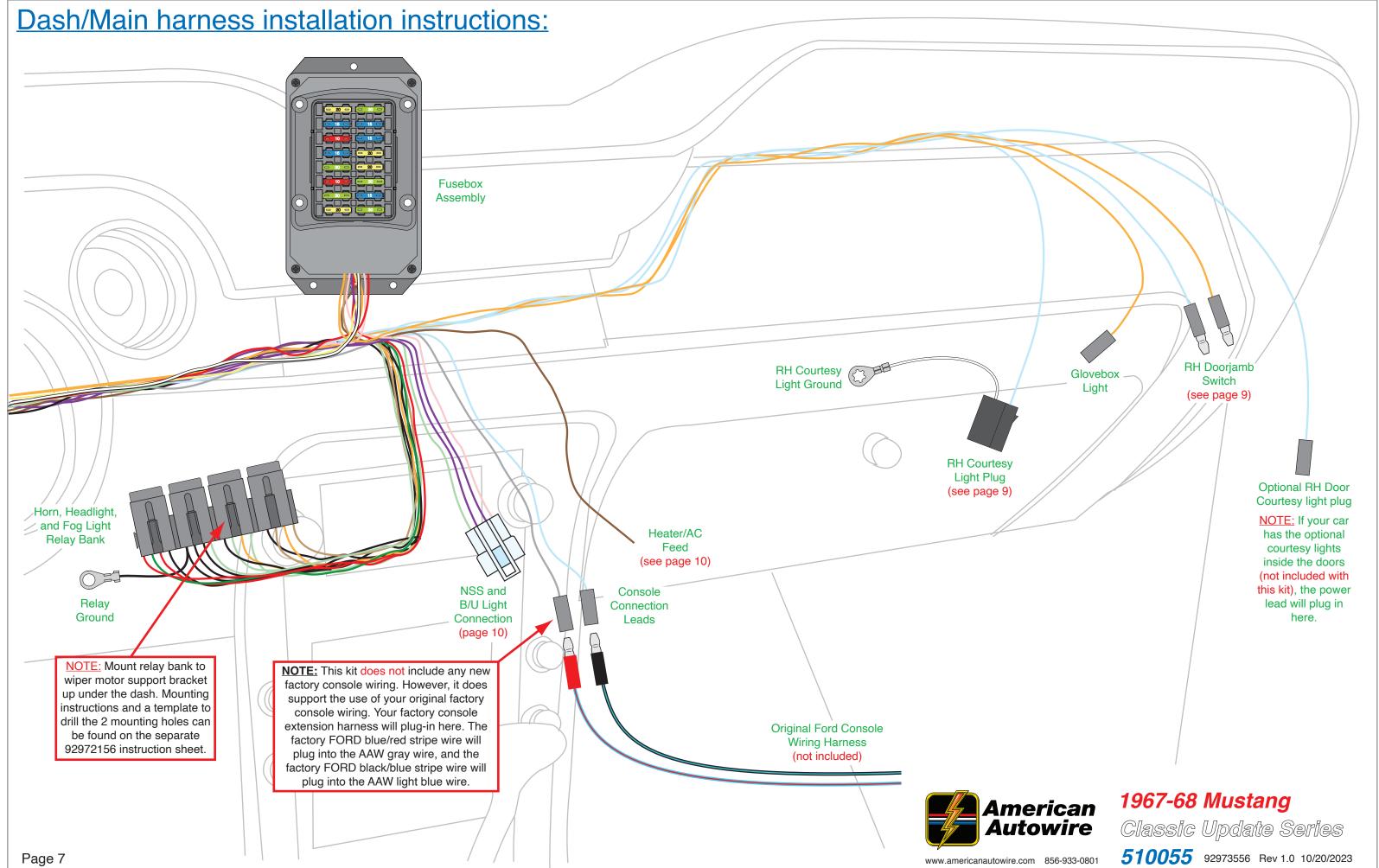
1967-68 Mustang Classic Update Series 510055 92973556 Rev 1.0 10/20/2023



2. Using the "Relay Bank Mounting Template" and instruction sheet 92972156, drill two new .125 mounting holes in the windshield wiper motor bracket and attach the relay bank to the bracket as described on the instruction set and as shown above.

6. Your LH doorjamb switch wires and rear body harness leads route through an opening in the top of the LH door pillar area. The doorjamb switch wires route out the doorjamb switch opening and will plug into the provided doorjamb switches (pg 9). Similar operation for the RH side wires. The rear body harness (510462) will plug onto the dash lead down inside the LH door pillar as shown above.





## **Dash/Main harness installation instructions:**

## Turn signal switch wiring:

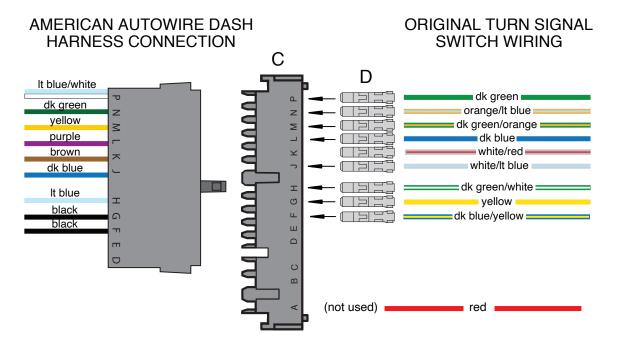


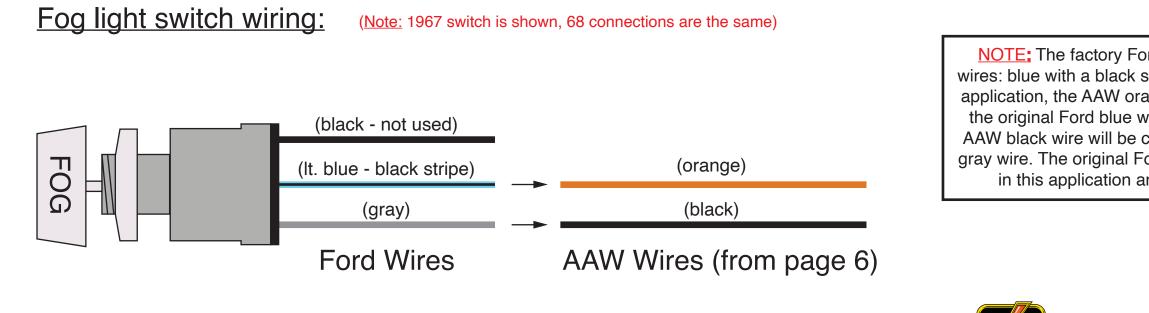
DIAGRAM 'A' - AAW Turn Signal Switch Wires to Stock 1967-68 Steering Columns.

AAW Turn Signal Conection wires to stock 1967-6						
AAW	AAW	AAW				
Wire Color	Wire Printing	Connect				
Lt Blue/White	Third Brake Light/Brake SW	Р				
Dark Green	Right Rear Turn	Ν				
Yellow	Left Rear Turn	Μ				
Purple	Turn Switch Feed	L				
Brown	Turn SW – Hazard	K				
Dark Blue	Right Front Turn	J				
Light Blue	Left Front Turn	Н				
Black	Horn Relay Ground	G				
Black	Horn Relay Ground	F				
None	None	E				
None	None	D				
None	None	А				

Remove the original Turn Signal Switch Connector and replace it with the AAW 14-way connector "C". Crimp terminal "D" onto each of the original Turn Signal Switch wires and plug them into connector "C" (see Parts Kit 92973540). (NOTE: Some replacement turn signal switches have a red wire in them that will not be used in this application)

**"Table B"** 

See "Table B" above to align the wires. Also, for all of the '67-'68 applications, the steering column horn button now switches ground for the Horn Relay, which then switches power to the Horns.



### 8 Ford Mustang Turn Signal Switch wires FORD ctor Cavity <u>Wire Color</u>

Dark Green Orange/Lt. Blue Dk. Green/Orange Dark Blue White/Red White/Lt. Blue Dk. Green/White Yellow Dk. Blue/Yellow

(Red - Not Used)

NOTE: The factory Ford fog lamp switch utilized 3 wires: blue with a black stripe, gray, and black. For this application, the AAW orange wire will be connected to the original Ford blue with black stripe wire, and the AAW black wire will be connected to the original Ford gray wire. The original Ford black wire will not be used in this application and should be capped off.



## Dash/Main harness installation instructions:

## Accessory connector wiring:

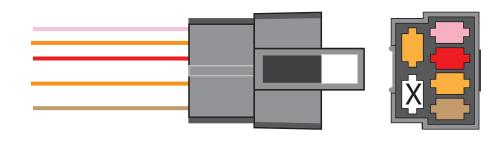
Use the provided 6-way empty connector, which is attached to the 6-way Accessory connector on the Dash Harness, and terminals "A" or "B" to add power wires (not included in kit) for the following optional systems:

Wire Color	<b>Printing</b>	<u>Fuse #</u>	Fuse Block Cover	Fuse rating	Description
Tan	FUEL PUMP	16	Fuel Pump	20A	Fused 12 volt IGNITION feed for fuel pump (may also be used to
Orange	POWER SEATS	3	Pwr Seats	30A	Fused 12 volt BATTERY feed for power seats (may also be use
Red	POWER LOCKS	5	Pwr Locks	20A	Fused 12 volt BATTERY feed for power door locks (may also be
Pink	POWER WINDOWS	8	Pwr Window	30A	Fused 12 volt IGNITION feed for power windows (may also be u
Orange	(No Printing)	1	Bat-Spare	30A	Fused 12 volt BATTERY feed (may also be used to feed power

Accessory connector from Dash harness

(Viewed looking into the open end of the connetcor)

6-way empty connector (removed from Dash harness connector) and terminals, used to connect your power wires (not included in kit) to the dash harness



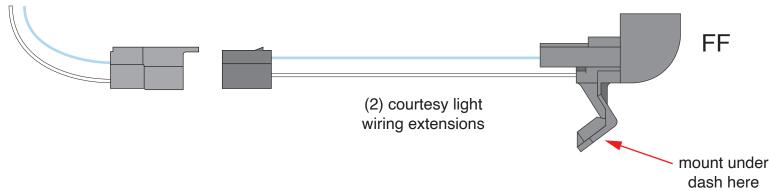
## Courtesy light wiring:

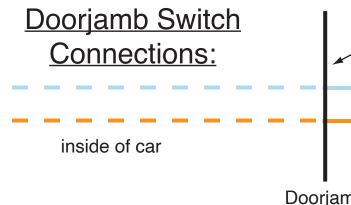
(2) courtesy light

connections from

Dash harness

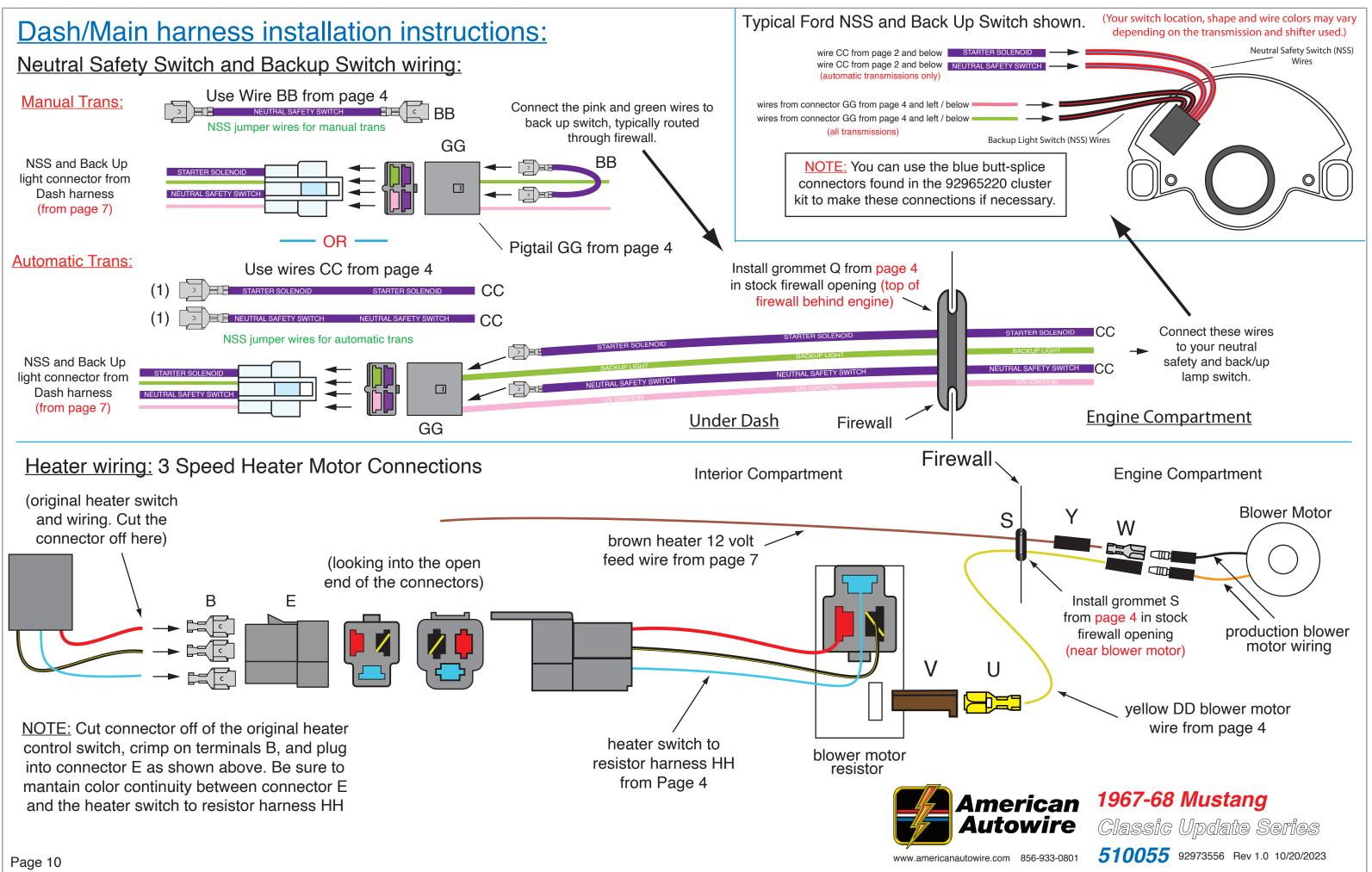
Connect the (2) courtesy light wiring extensions "FF" to the courtesy light plugs from the dash harness: The left-hand courtesy plug is at the same branch as the rear body connection, and will mount to the left of the steering column along the bottom of the dash. The right-hand courtesy plug is at the far end of the dash harness, near the glovebox lamp connection and RH door jamb switch connections, and will mount along the bottom right of the dash. The (2) courtesy light wiring extensions are found in the dash loose piece bag, part number (510881) 92973510.



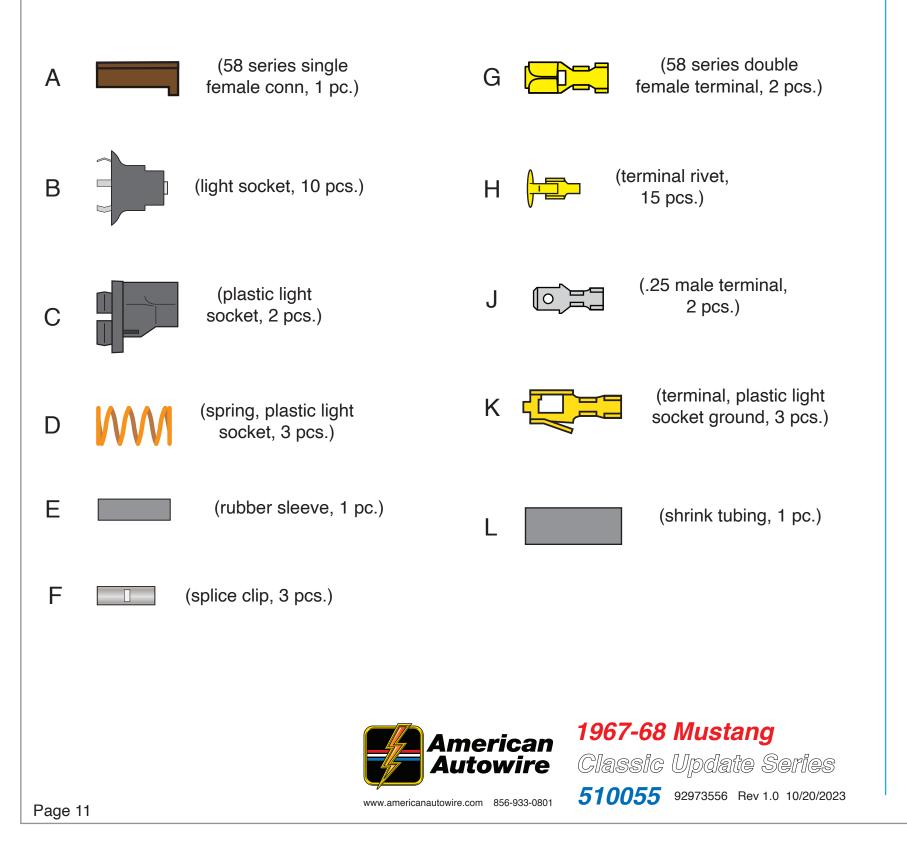


Doorjamb switch opening outside of car R Doorjamb American NOTE: Your doorjamb switch wires route down Autowire through the LH and RH pillars and out through the doorjamb switch openings. Pull the wires out as shown www.americanautowire.com 856-933-0801 in #6 on page 5 and as above, plug them into your new 1967-68 Mustang doorjamb switches "R" from page 4, then snap the plugged-in switches back into the door jamb switch Classic Update Series openings. Repeat for LH and RH sides of the dash. 510055 92973556 Rev 1.0 10/20/2023

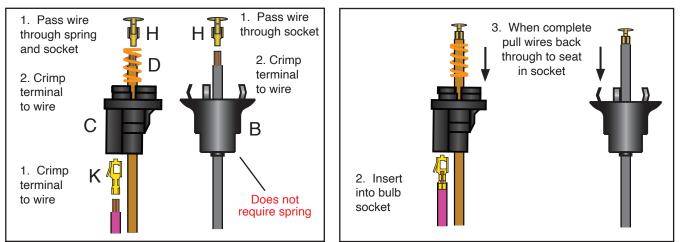
d to feed power to another ignition circuit). sed to feed power to another battery circuit). be used to feed power to another battery circuit). e used to feed power to another accessory circuit). er to a battery circuit).



Shown below, are the supplied misc. terminals, plastic connector bodies, light sockets and hardware that 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.

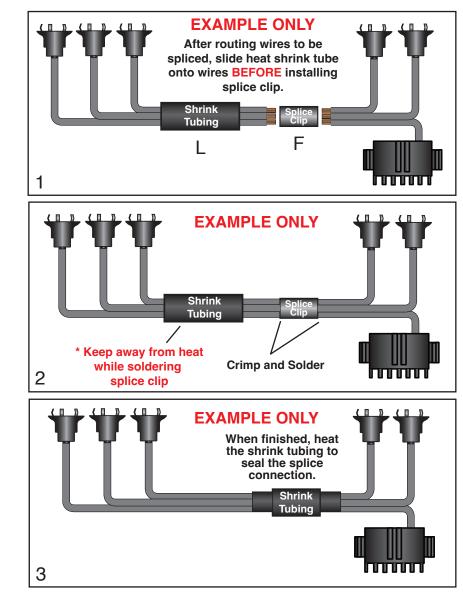


### How to install light sockets and light socket terminals.

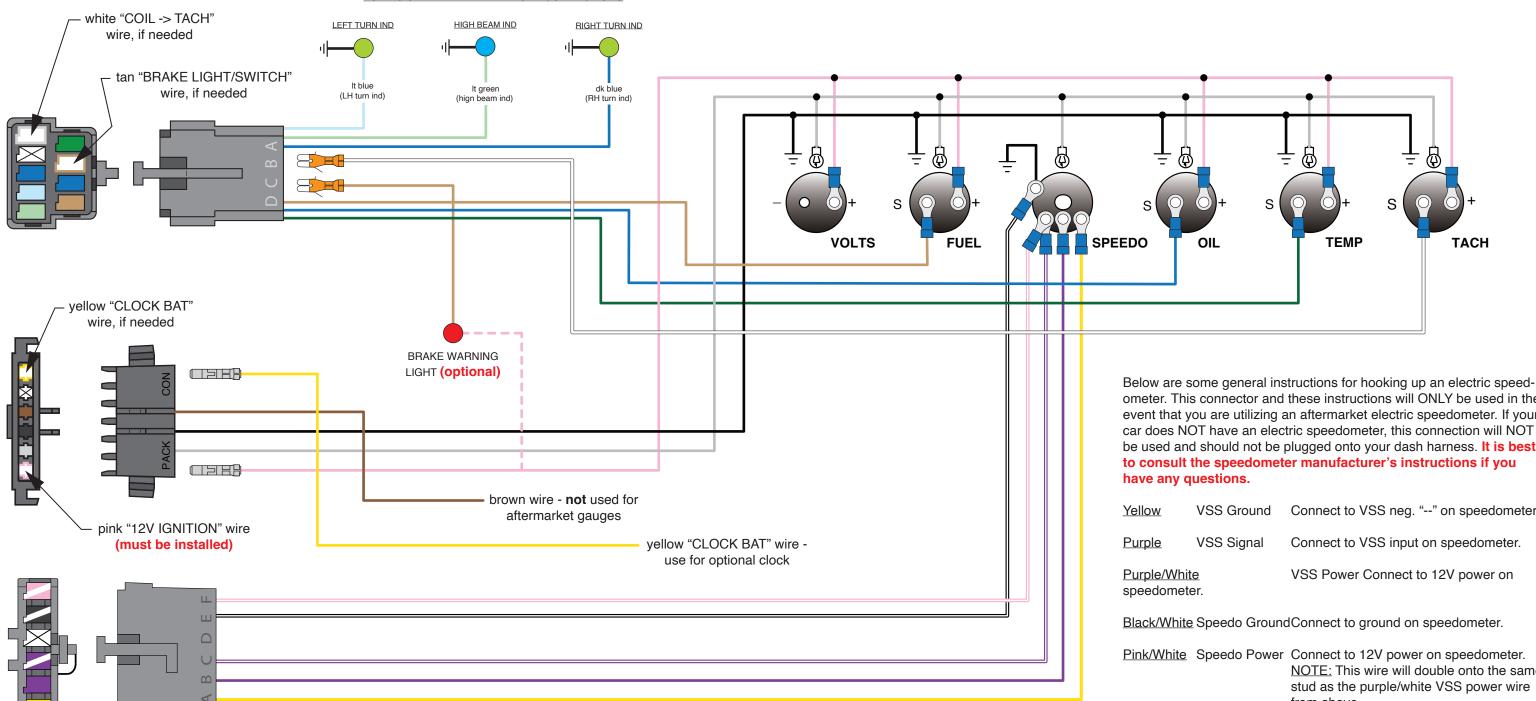


### How to use the splice clip to join multiple wires.

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.



## <u>Gauge Cluster harness (aftermarket gauges) installation instructions:</u>



TURN SIGNAL AND HI-BEAM LIGHT CONNECTIONS

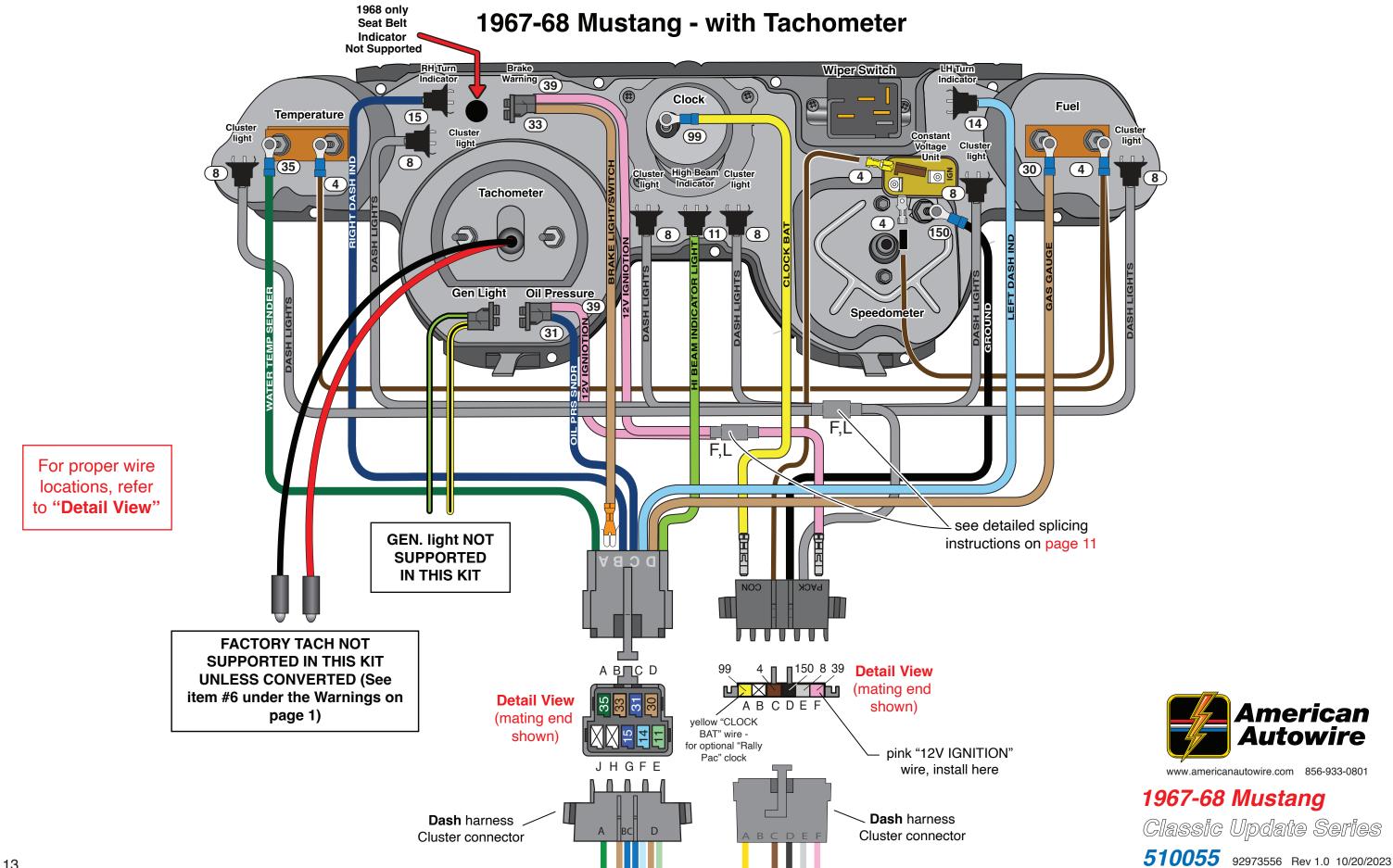


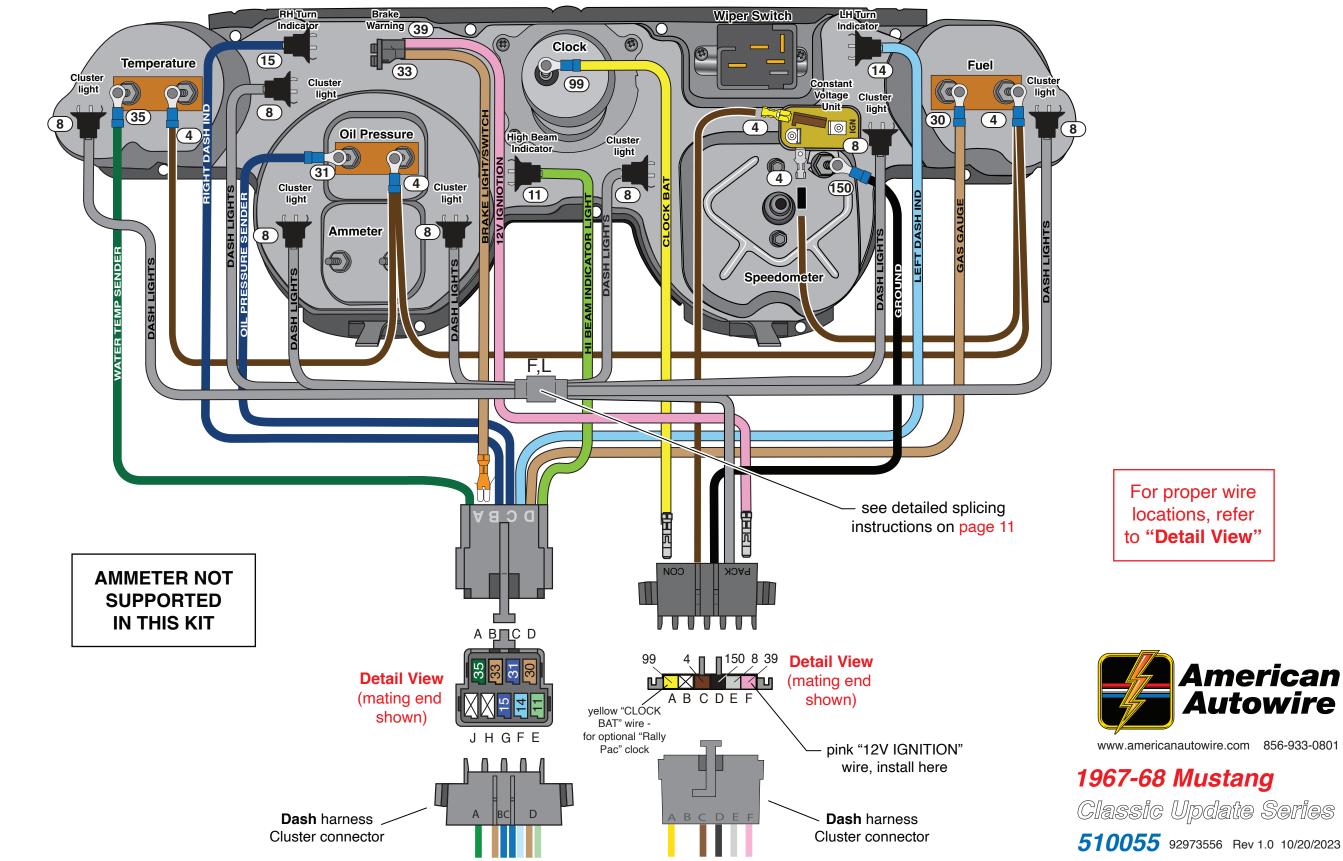


ometer. This connector and these instructions will ONLY be used in the event that you are utilizing an aftermarket electric speedometer. If your car does NOT have an electric speedometer, this connection will NOT be used and should not be plugged onto your dash harness. It is best

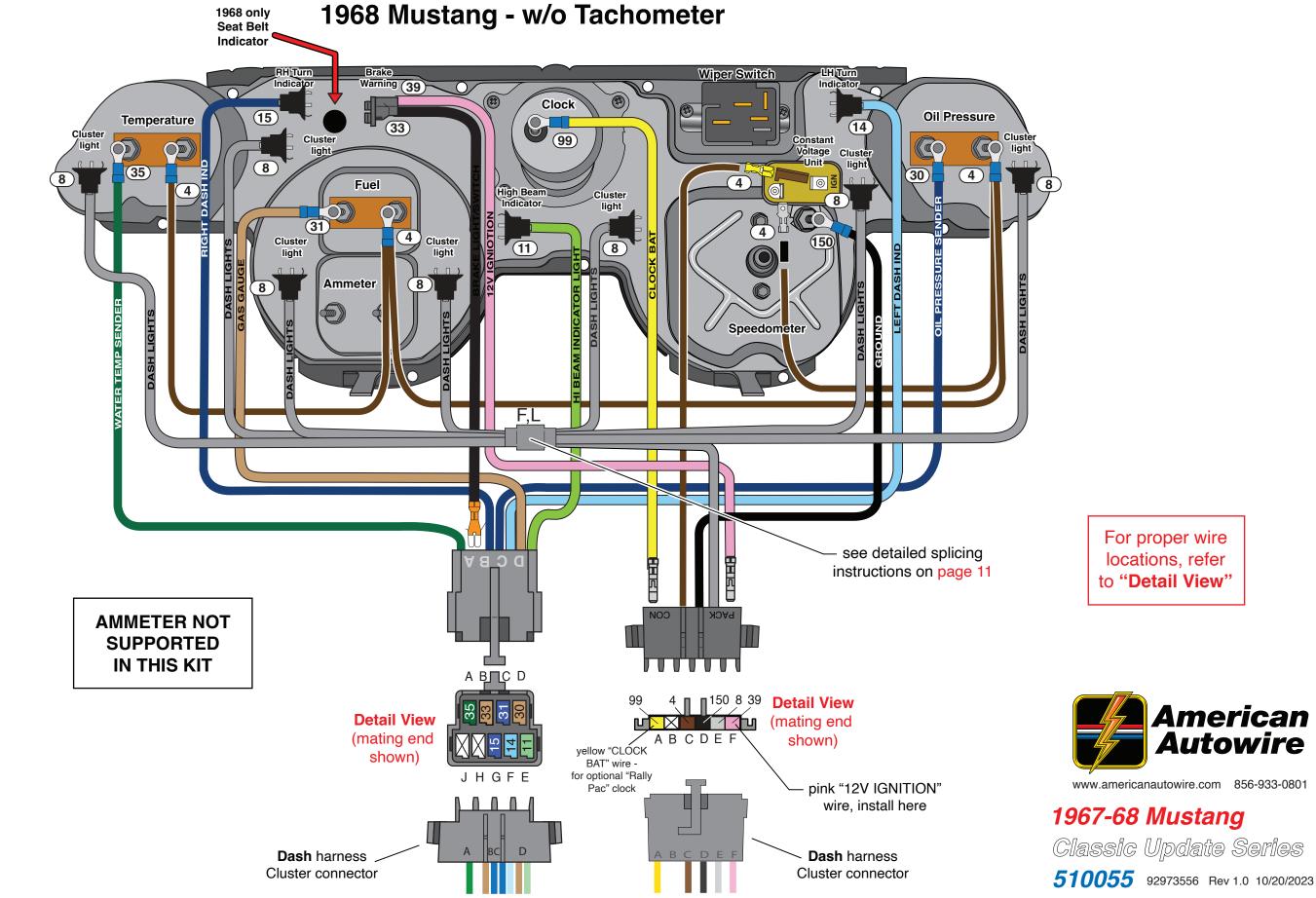
- Connect to VSS neg. "--" on speedometer. Connect to VSS input on speedometer. VSS Power Connect to 12V power on
- NOTE: This wire will double onto the same stud as the purple/white VSS power wire from above.

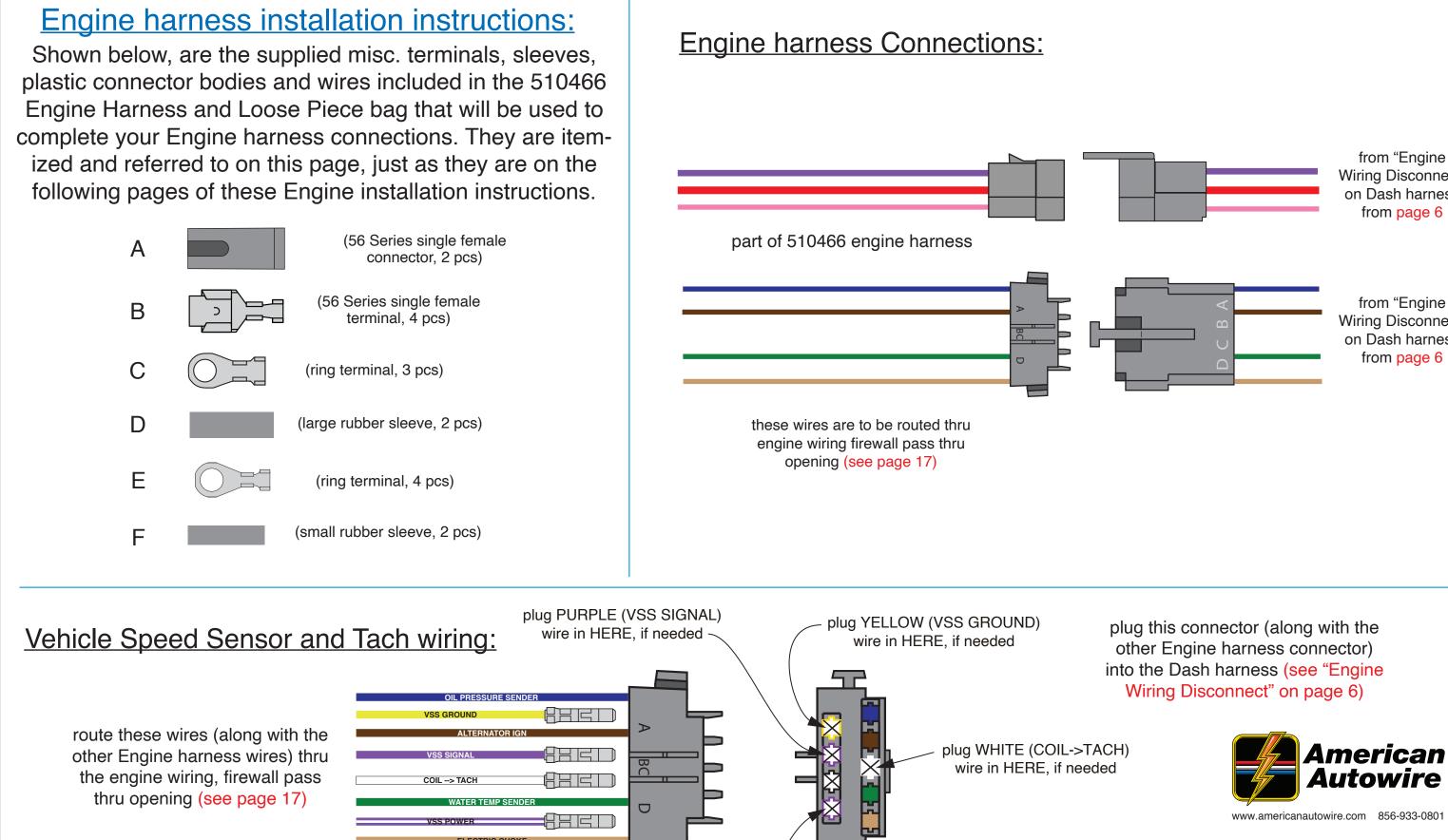
1967-68 Mustang Classic Update Series 510055 92973556 Rev 1.0 10/20/2023





## 1967 Mustang - w/o Tachometer





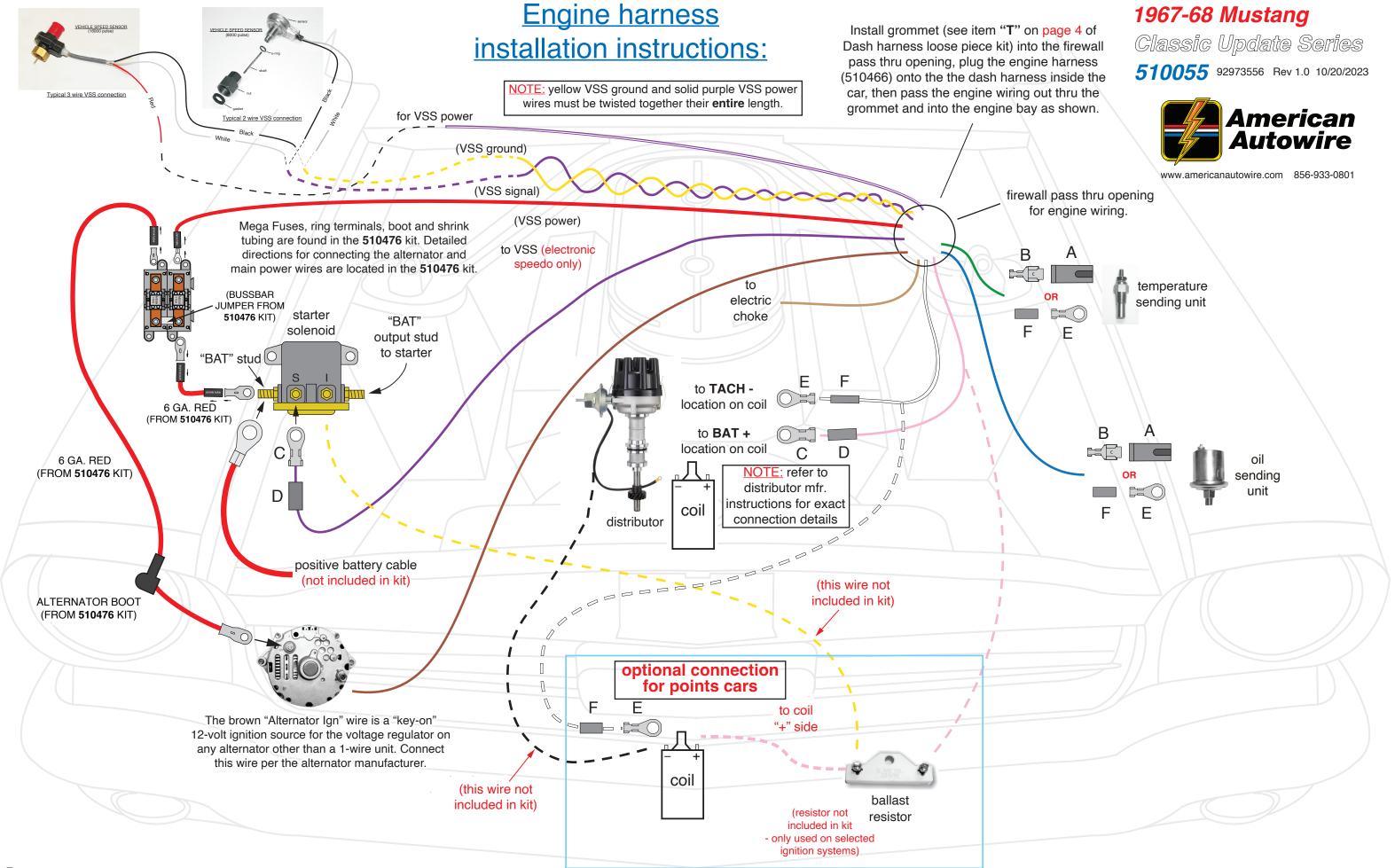
Wiring Disconnect" on Dash harness

Wiring Disconnect" on Dash harness

plug PURPLE/WHITE (VSS POWER)

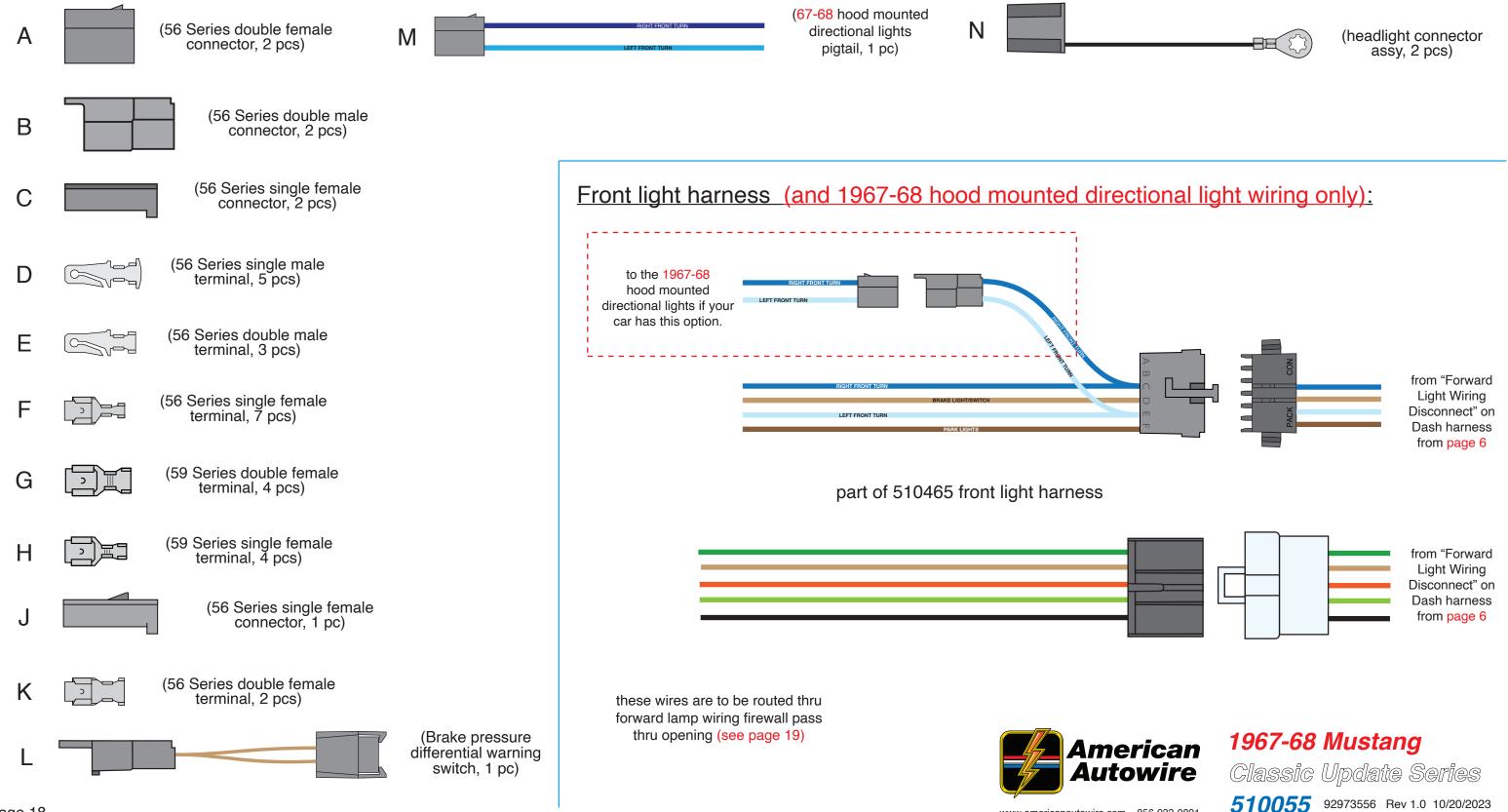
wire in HERE, if needed

1967-68 Mustang Classic Update Series 510055 92973556 Rev 1.0 10/20/2023

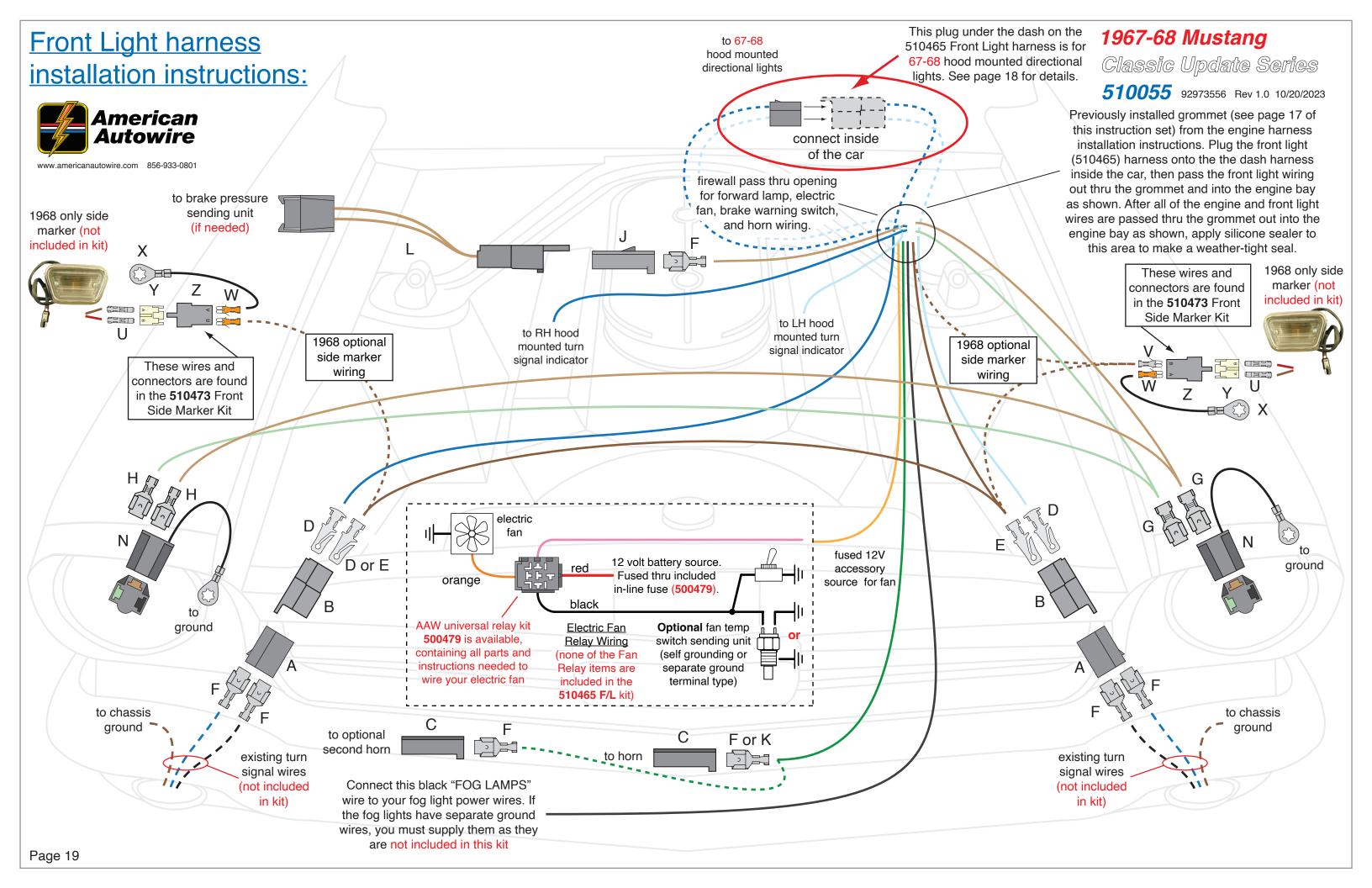


## Front Light harness installation instructions:

Shown below, are the supplied misc. terminals, plastic connector bodies, and pigtails included in the 510465 Front Light Harness and Loose Piece bag that will be used to complete your Front Light harness connections. They are itemized and referred to on this page, just as they are on the following pages of these Front Light installation instructions.

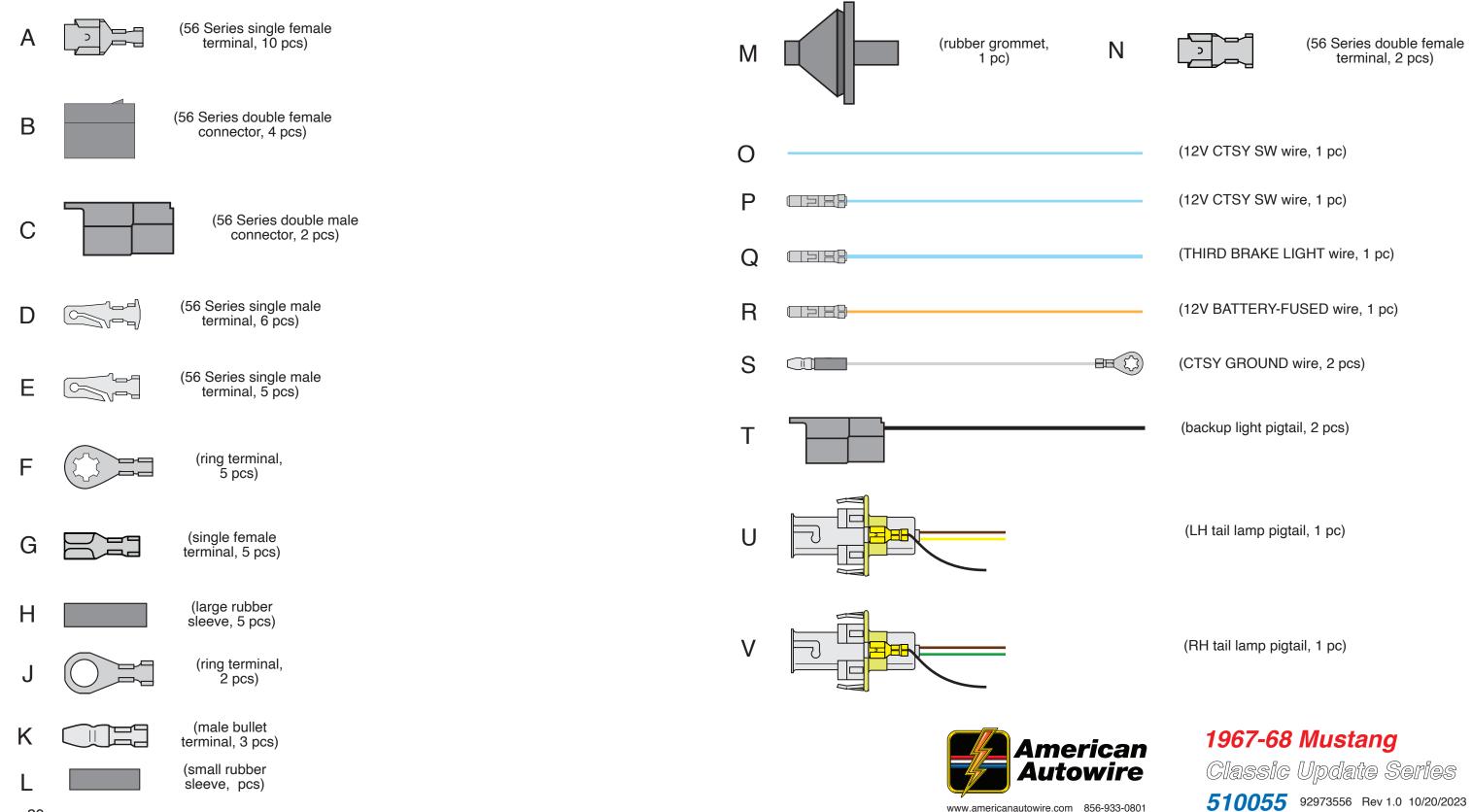


www.americanautowire.com 856-933-0801

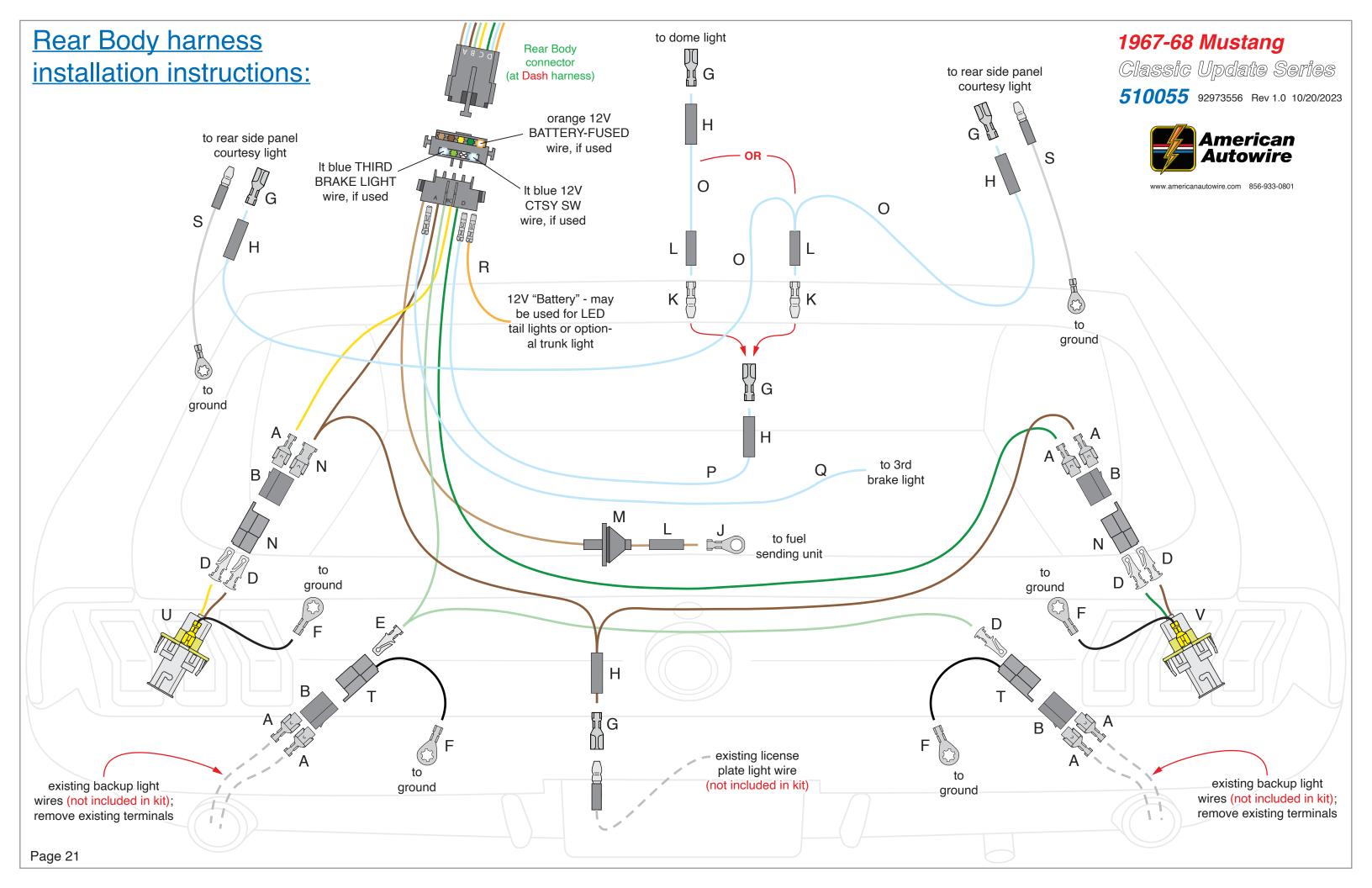


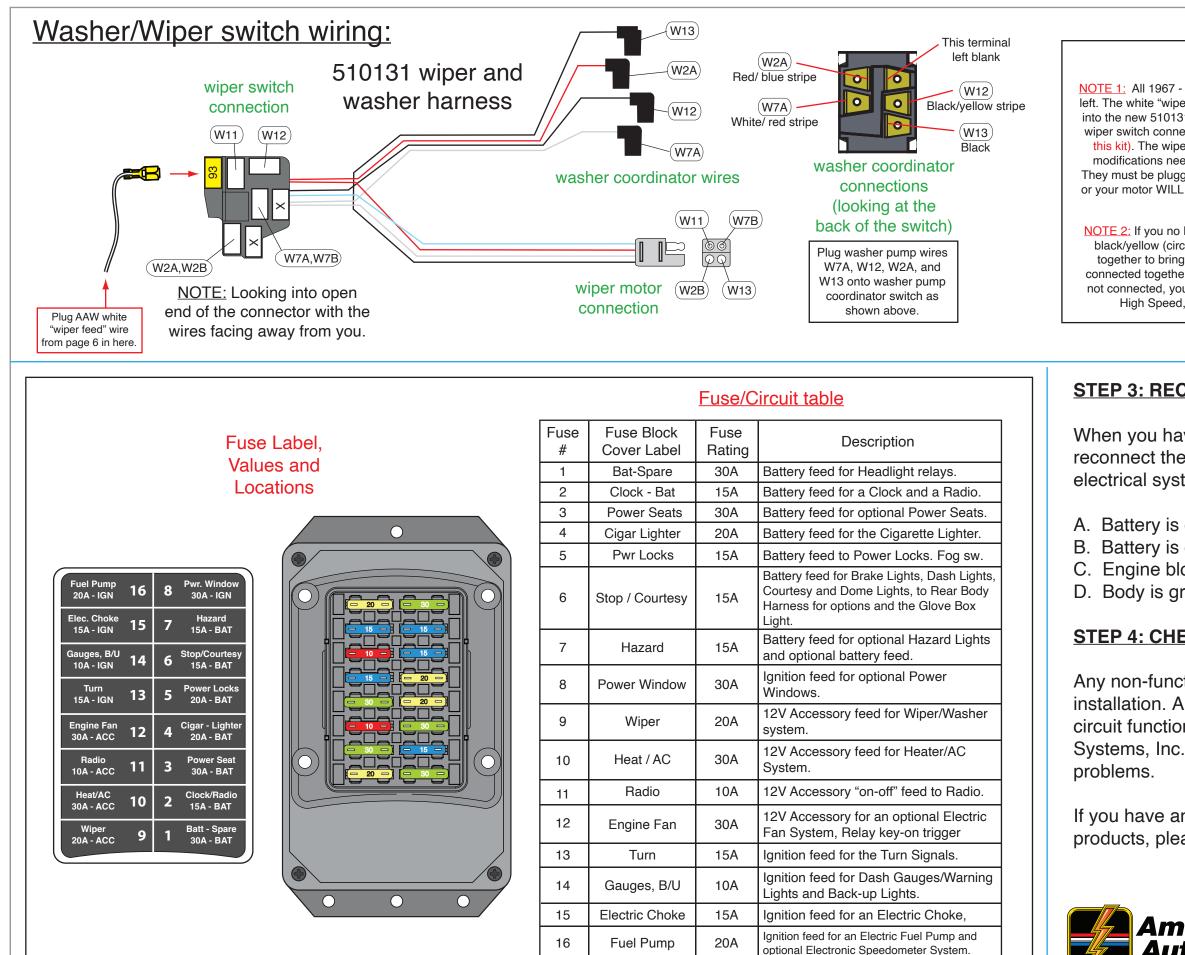
## Rear Body harness installation instructions:

Shown below, are the supplied misc. terminals, plastic connector bodies, clamps and wire extensions included in the 510462 Rear Body Harness and Loose Piece bags that will be used to complete your Rear Body harness connections. They are itemized and referred to on this page, just as they are on the following pages of these Rear Body installation instructions.



Page 20





www.americanautowire.com 856-933-0801

### WIPER HARNESS DETAILS:

NOTE 1: All 1967 - 68 2 speed wiper with washer applications use the set up shown at the left. The white "wiper feed" wire (93) from your dash harness (as found on page 6) will plug into the new 510131 wiper / washer harness included with your kit as shown. The finished wiper switch connection will plug onto your dash mounted wiper switch (not included with this kit). The wiper motor connection will plug onto your wiper motor assembly with no modifications needed. The washer pump connections are numbered and noted at left. They must be plugged onto the back of the foot operated coordintor switch as noted at left or your motor WILL NOT operate properly. If you do not have the washer pump in your car any longer, see <u>NOTE 2</u> below.

NOTE 2: If you no longer have your coordinator assembly in place, you must connect the black/yellow (circuit W12) and the black (circuit W13) wires at the washer coordinator together to bring the full functionality back to the wiper system. With these two wires connected together, and the other two washer coordinator wires (red/blue and white/red) not connected, you will regain the full function of your wiper motor including Low Speed, High Speed, and Park (the dynamic brake function is now functional again).

### **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:

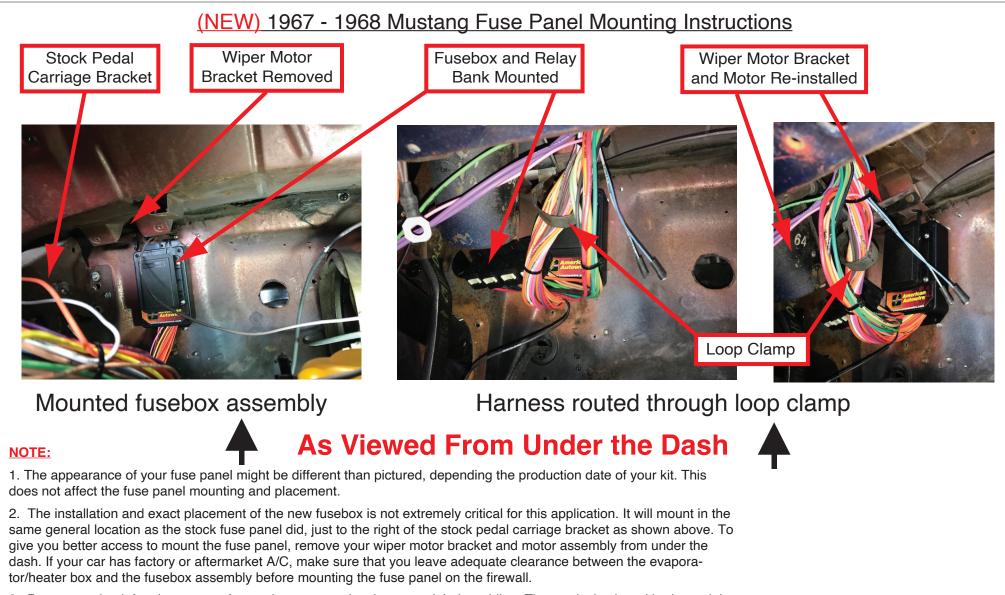
A. Battery is grounded to the ENGINE BLOCK.B. Battery is grounded to the frame.C. Engine block is grounded to the frame.D. Body is grounded to the frame.

### **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

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





3. Be sure to check for clearances of any other accessories that you might be adding. The stock clutch and brake pedal assembly pose no concerns when mounted in this location. There are 3 mounting holes (1 on the upper tab and 2 on the lower tab) of the fusebox case. Using the fusebox as a template, drill 3 new 11/64" holes in your firewall. 3 new attaching screws, washers and locking nuts (H, J and K) have been provided for you to affix the fusebox to the firewall. They can be found in the loose piece kit, 510881 (92973540), from the dash/main harness kit. See page 4 of the main instruction set, 92973556 for the loose piece kit contents page.

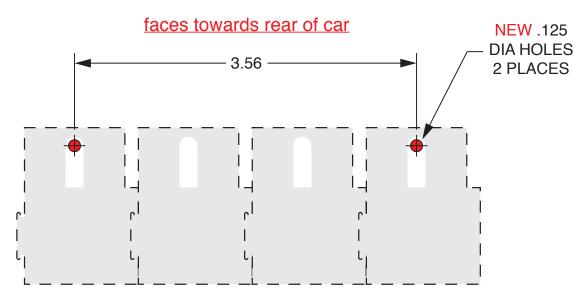
4. After mounting the fuse panel to the firewall of the car, re-attach the wiper motor bracket and motor assembly back up under the dash. The main trunk of the harness will route up through the loop clamp that is attached to the wiper motor bracket and toward the front of the dash opening as shown above right. The 4-way relay bank drops down below the harness and mounts to the wiper motor bracket as shown above right. Please see the 92972156 relay bank mounting instruction template for further details. Take caution to keep the harness away from any moving items such as the wiper motor linkage. See the main instruction set, 92973556, page 5 for further installation suggestions.



www.americanautowire.com 856-933-0801

92972201

92972201 instructions Rev 1.0 11/20/2023



faces towards front of car



1. Use the template at the top of this page to drill two .125 mounting holes in your wiper motor support bracket to mount the bank of 4 relays (screws not included).

2. The 4-way relay bank shown on the main instruction set, **92972102**, will mount here with the wiring portion coming out toward the passenger side of the car.

3. Once you have mounted the relay bank, plug the 4 relays into the relay bases to complete this part of the installation.

PRINT ON ADHESIVE LABEL SHEET



1964-68 Ford Mustang relay bank mounting template instructions

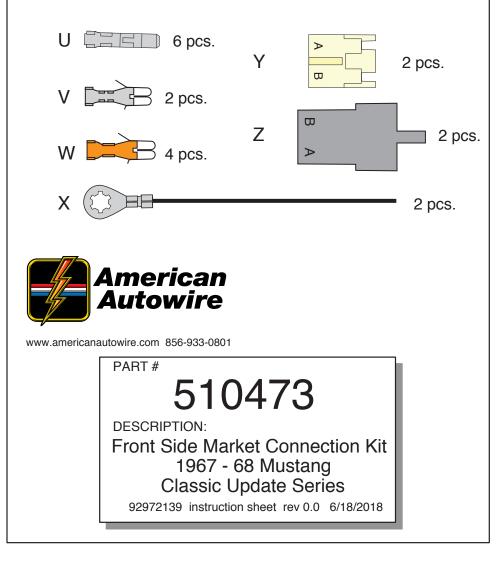
Rev 0.0 7/16/2018

### PRINTING INSTRUCTIONS: DO NOT FIT TO PAGE OR SCALE

### In this kit you will find the following:

- 1. 2 ground wires X.
- 2. 2 male connectors Y with terminals U.
- 3. 2 female connectors Z with terminals V and W.

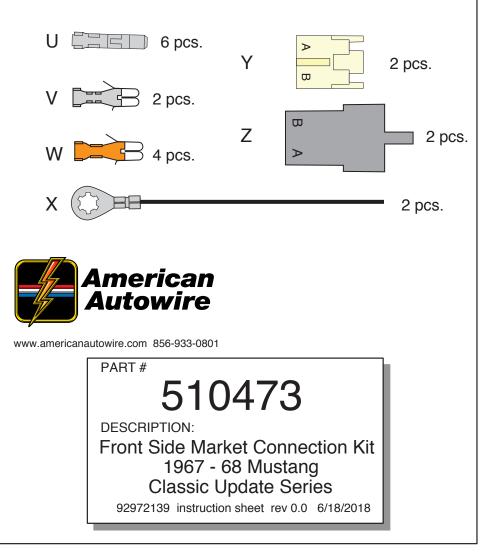
Detailed installation instructions of how the enclosed ground wires connect into the 1968 only front side marker lamps on the 510465 front light harness can be found on page 19 of the 92972103 main instruction set.

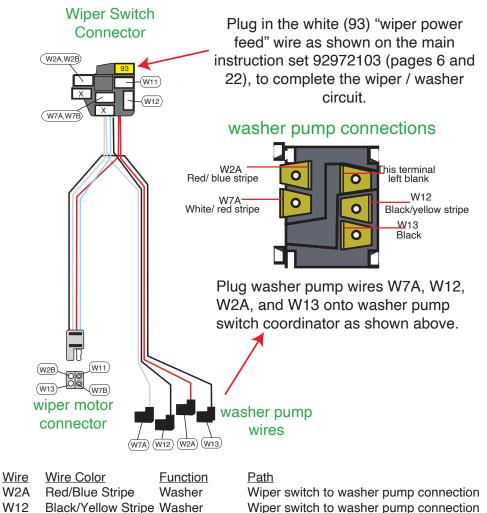


### In this kit you will find the following:

- 1. 2 ground wires X.
- 2. 2 male connectors Y with terminals U.
- 3. 2 female connectors Z with terminals V and W.

Detailed installation instructions of how the enclosed ground wires connect into the 1968 only front side marker lamps on the 510465 front light harness can be found on page 19 of the 92972103 main instruction set.

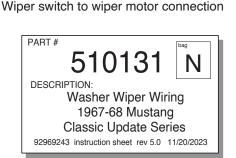




W2A W12 Black/Yellow Stripe Washer W7A White/Red Stripe Washer +12V to Motor Wiper switch to wiper motor connection W2B **Red/Blue Stripe** Low Speed W7B White/Red Stripe High Speed W11 Light Blue Black Park W13



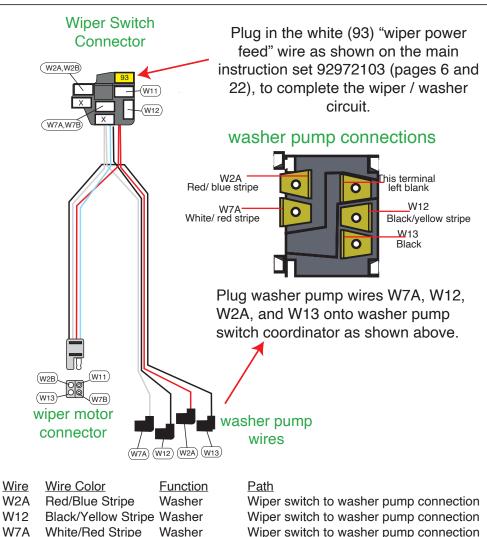
150 Heller PI #17 W Bellmawr, NJ 08031 856-933-0801



Wiper switch to washer pump connection

Wiper switch to wiper motor connection

Wiper switch to wiper motor connection



Wiper switch to washer pump connection +12V to Motor Wiper switch to wiper motor connection Wiper switch to wiper motor connection Wiper switch to wiper motor connection Wiper switch to wiper motor connection



Low Speed

High Speed

Park

**Red/Blue Stripe** 

Light Blue

Black

White/Red Stripe

W2B

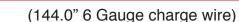
W7B

W11

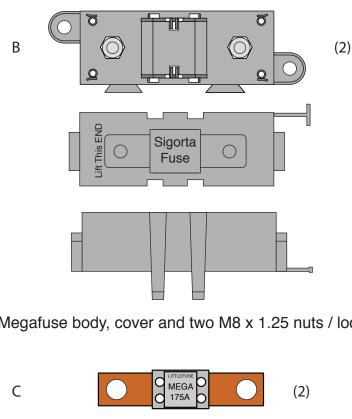
W13

www.americanautowire.com 856-933-0801 150 Heller PI #17 W Bellmawr, NJ 08031 856-933-0801





А



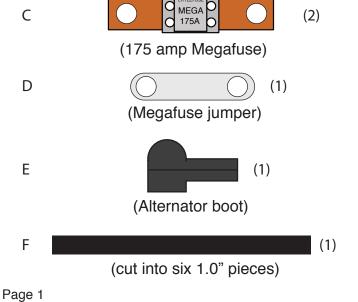
(Megafuse body, cover and two M8 x 1.25 nuts / lock washers)

G

Н

J

Κ

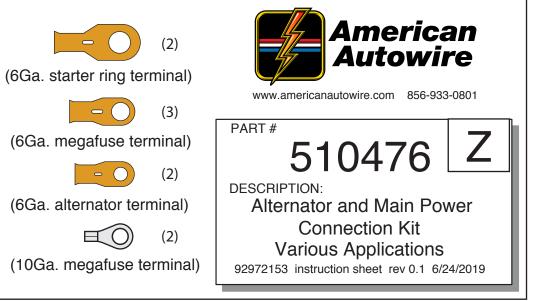


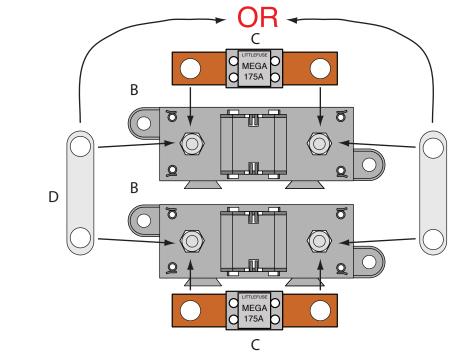
1. One this page, you will find the wire, fuse bodies, fuses, boot, ring terminals, and shrink tubing (items A through K) that are necessary to connect your alternator and main power feed for your new AAW wiring kit. Please be sure that all of the necessary components are present before starting this 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 assembles.





### Assembling the (2) Megafuse assemblies

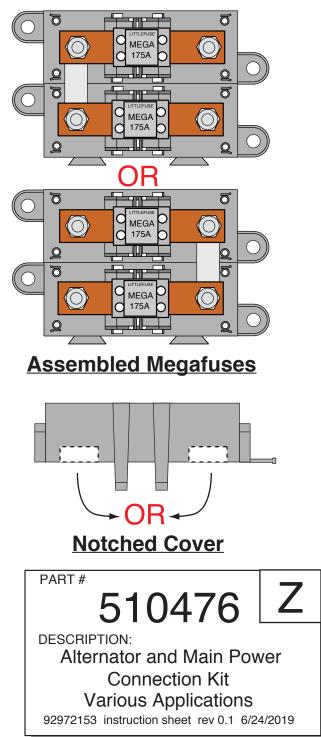
<u>NOTE</u>: Find a suitable place, as close to the battery power source as possible, under the hood of the your vehicle to mount the completed Megafuse assemblies. Keep in mind that you have 12 feet of 6Ga. charging wire, and that the main power feed coming from your panel or bulkhead connection must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

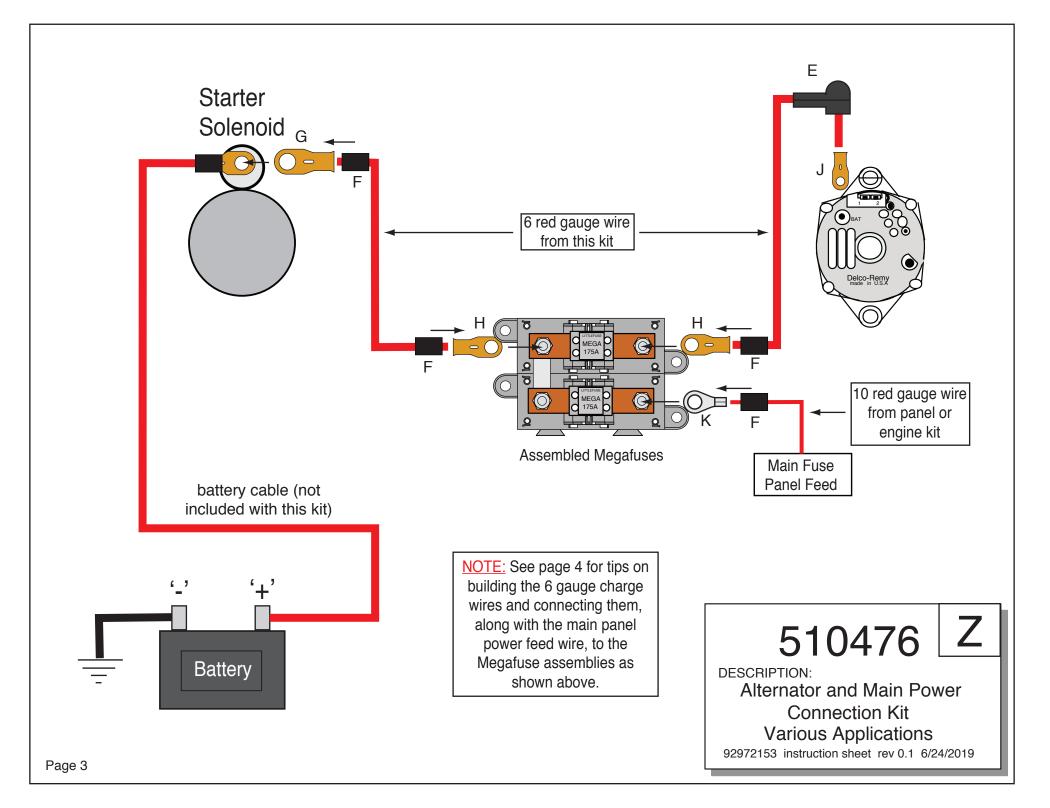
1. Take the two Megafuse bodies and covers (items B) and snap them together. Remove the 4 nuts and lock washers from the studs on the fuse body assemblies.

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. Page 2





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

<u>NOTE</u>: 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.

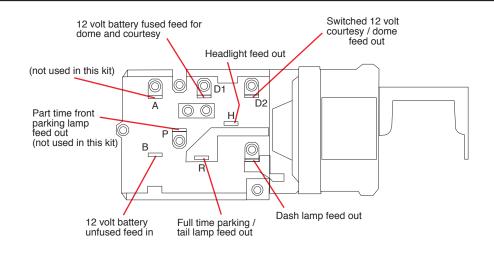
3. Take the remaining portion of the 12-foot piece of 6Ga. red wire from this kit and route it from your alternator over to the area where you have mounted your Megafuse and cut it to length. Strip the insulation on each end back 1/2". Install 1 piece of shrink tubing F onto the wire. At the alternator 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.

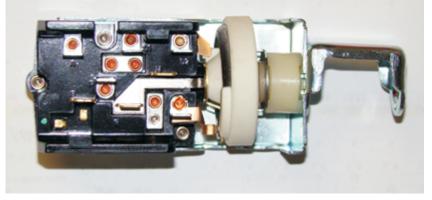
4. Take the 10Ga. red main power feed wire from your engine or panel sub-kit and route it over to the area where you have mounted your Megafuse and cut it to length. Strip the insulation back 3/8". Install 1 piece of shrink tubing F onto the wire, then crimp and solder (1) of terminal K onto the wire.

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.



Alternator and Main Power Connection Kit Various Applications 92972153 instruction sheet rev 0.1 6/24/2019



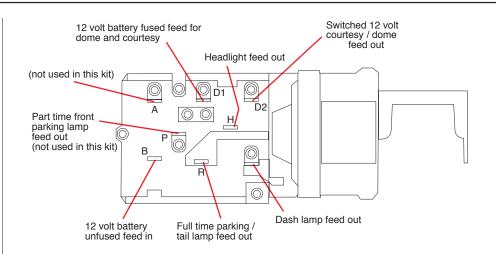


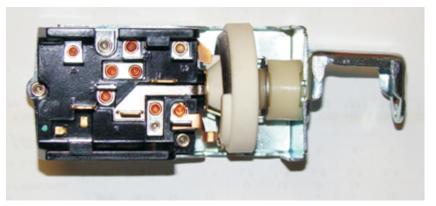
NOTE: Some early production 1964 1/2 Mustangs used a unique headlight switch assembly that utilized a shorter knob and shaft assembly than the later production 65 - 66 Mustang and 1965 Falcons used (3.63" vs. 3.90"). Your new AAW switch needs the later production style knob and shaft in order to operate. If you are using this switch on an early production 1964 1/2 Mustang, you will need to purchase the newer long style knob and shaft assembly from your favorite Mustang parts supplier as your original will be too short to operate this new switch.



www.americanautowire.com 856-933-0801

### PART # **510054** DESCRIPTION: Headlight Switch Various Ford Models Classic Update Series 92968933 instruction sheet rev 3.0 2/12/2014



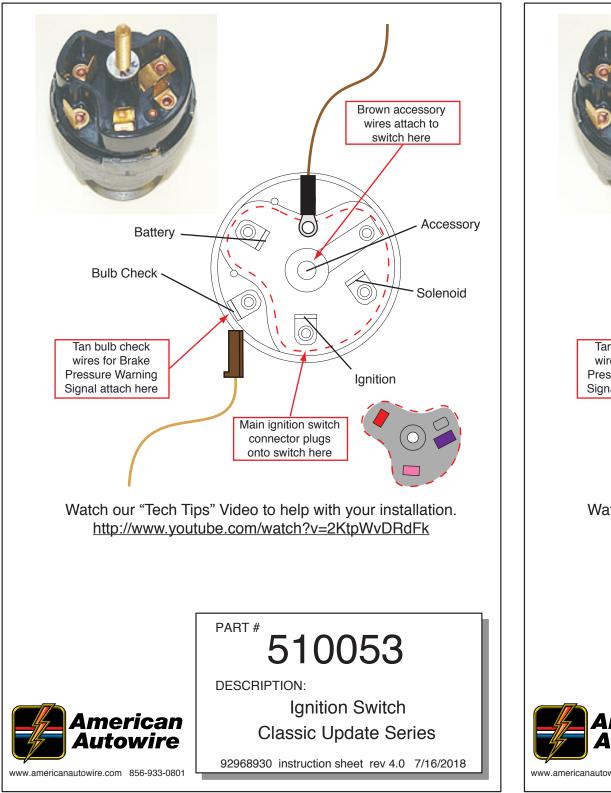


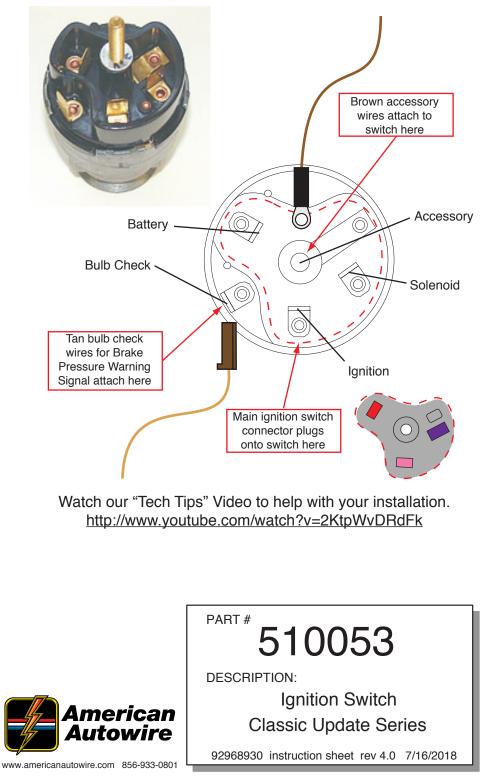
NOTE: Some early production 1964 1/2 Mustangs used a unique headlight switch assembly that utilized a shorter knob and shaft assembly than the later production 65 - 66 Mustang and 1965 Falcons used (3.63" vs. 3.90"). Your new AAW switch needs the later production style knob and shaft in order to operate. If you are using this switch on an early production 1964 1/2 Mustang, you will need to purchase the newer long style knob and shaft assembly from your favorite Mustang parts supplier as your original will be too short to operate this new switch.

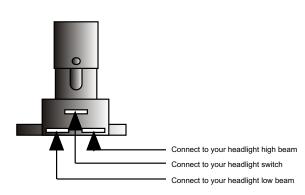


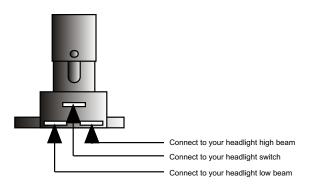
www.americanautowire.com 856-933-0801











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.

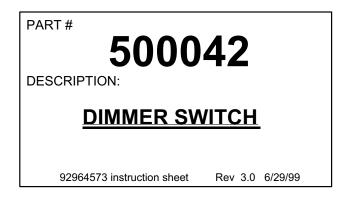
Connect the Dimmer Switch wires as shown above.

- 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.

another wiring product by...



150 Heller PI #17 W Bellmawr, NJ 08031 856-933-0801



another wiring product by...



150 Heller PI #17 W Bellmawr, NJ 08031 856-933-0801

