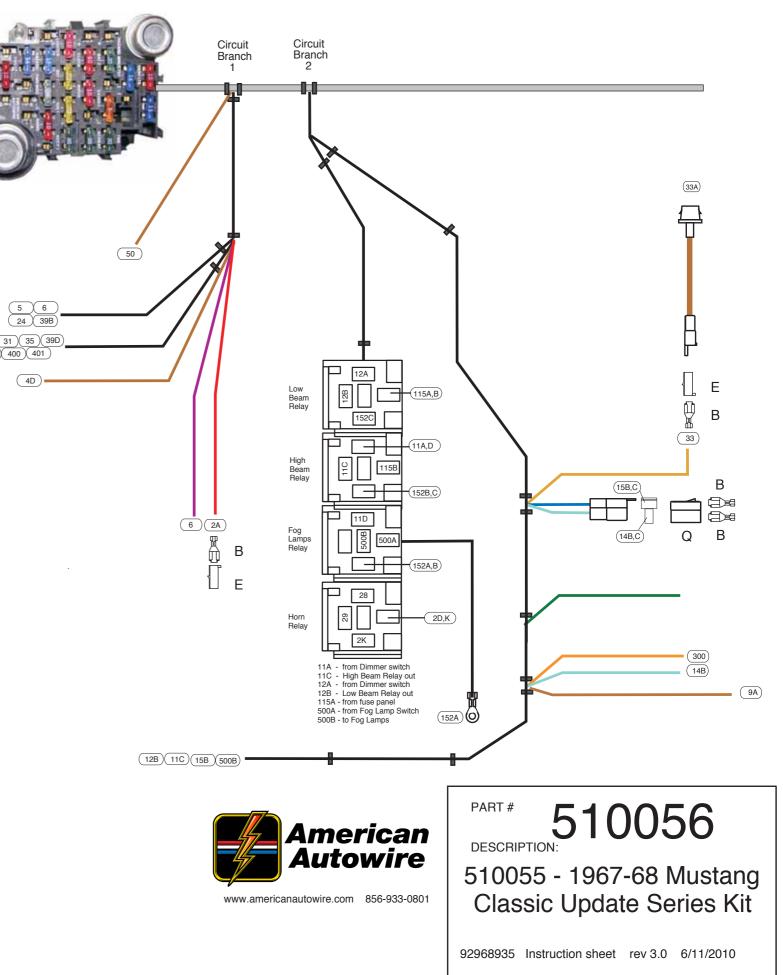
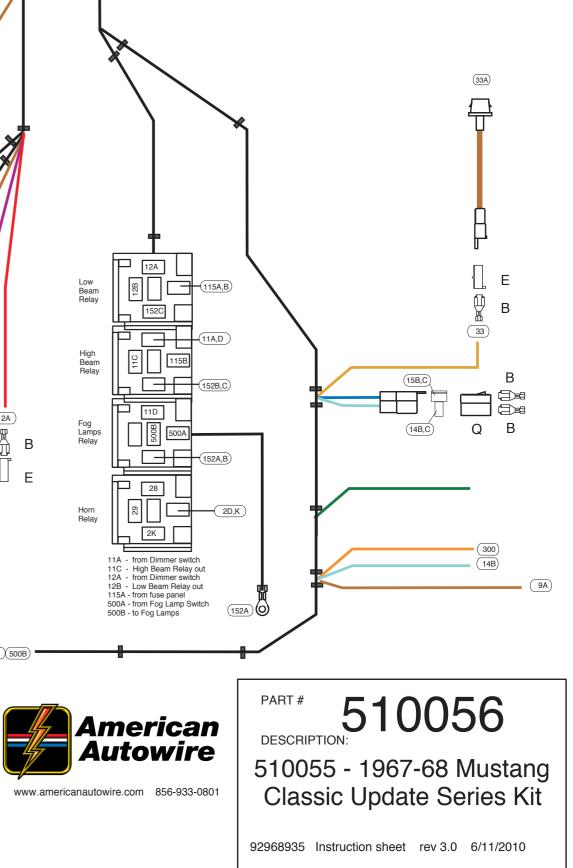


Main Fuse Panel Installation Instructions

The Main Fuse Panel harness is designed to be mounted under the dash at the firewall in an area close to the steering column. The enclosed representation of the main dash harness shows each circuit branch and identifies each connection by its color and function. Follow this drawing and detail drawings on pages 9 and 10 for the individual circuit connections.

		gine and Alt. connections	See pages 9 and 10, "Figures B, C, and D" for typical connections. Loose piece terminals and connectors are located in kit # 510176.	419
<u>Wire #</u> 50	<u>Wire color</u> Brown	Printing Heater/AC feed	Procedure This is the fused Ignition power lead for the heater or AC control panel. Connect according to the instructions supplied with your aftermarket Heater / AC unit. This can also be used as the 12 volt feed wire to the stock 3 speed heater blower motor if you are utilizing your stock 1967-68 Mustang heating system. See page 10, figure E.	
6	Purple	Starter Solenoid-S	Connect the end that comes out with the 5, 24, and 39B wires to 1 terminal on the neutral safety switch. Connect the end that comes out with the heavy red power wire to the "S" terminal on your starter solenoid. (See Figure B)	
2	Red	12 V Battery	Route this wire to your starter solenoid and connect the ring terminal end with the blue fusible link to the battery terminal on the starter solenoid. Route the other end to the alternator battery stud, install sleeve "C" followed by terminal "D" and attach this completed assembly to the battery terminal of the alternator. (See Figure B)	6
2H	Light Blue	Fusible Link	See the connection instructions under wire 2.	
2A	Red	12 V Battery	Route this wire to your starter solenoid. Cut to length, install terminal "B", plug into connector "E" as shown on this page. As shown on sheet 9, Figure B, plug connector "E" into the connector on the loose piece fusible link wire 2J, then attach the ring terminal on this assembly to the battery terminal on your starter solenoid. (Parts in 510047 kit)	
2J 5	Brown Purple	Fusible Link	See the connection instructions under wire 2A.	
5 24	Lt. Green	Neutral Safety Switch Backup Lt Sw-Lights	Connect to the opposite terminal from wire 6 above to a terminal on the neutral safety switch. (See figure C) Connect to the backup light terminal on the neutral safety / back up switch. (See figure C)	
39B 4D	Pink Brown	12 V Ignition Alterrnator Ign	Connect to the backup light power terminal on the neutral safety / back up switch. (See figure C) This wire is the exciter wire for your alternator / voltage regulator. If you are using a one wire alternator, this wire will not be used and should be capped off as it is "hot" in the ignition "on" position. If you are using an alternator that requires an internal or external voltage regulator, this exciter wire must be connected to the "switched or 12v	(
3F	Pink	Ignition Feed - coil	ignition" terminal on your regulator or alternator according to the manufacturer's specifications for the type of alternator / regulator that is being being used. (AAW recommends a GEN 3 Internally Regulated or 1 wire unit) This is your 12 volt switched power source for the distributor. This can be connected directly to the "bat" terminal on a typical HEI distributor, to a ballast resistor as in a points type distributor, or be used as the ignition power	(3F) (31 (121) (4
			source for an aftermarket ignition module such as an MSD or "Duraspark" module. See the installation instructions	
0.4	Dark Dive		for the type of distributor you are using for specific connection requirements (See page 10 for some examples).	
31 35	Dark Blue Dark Green	Oil Pressure Sender Water Temp Sender	Connect to the oil pressure sender. Connect to the temperature sender.	
39D	Tan	Electric Choke	On carbureted cars, connect to the electric choke terminal.	
121	White	Coil - Tach	This can be connected directly to the tach terminal on a typical HEI distributor, to the negative side of the coil, or a tach connection in an aftermarket ignition module such as an MSD module. See the installation instructions for the type of ignition system you are using for specific connection requirements.	
400	Yellow	VSS Ground	Connect to the Vehicle Speed Sensor ground lead (see page 4 for typical connection).	
401	Purple	VSS Signal	Connect to the Vehicle Speed Sensor signal lead (see page 4 for typical connection).	
<u>Circuit</u>	Branch 2- Fro	nt Lighting connections	See page 9, "Figure A" for typical connections. Loose piece terminals and connectors are located in kit 510176.	
Wire #	Wire color	Printing	Procedure	
		Relay Pack	The 4 gang relay panel is directly wired and requires no internal wiring. The relays control the headlight low beams, headlight high beams, fog lamps, and the horn.	
152A	Black	Ground	This is the relay pack ground. Connect to a good chassis ground.	
33	Tan	Brake Switch	This is the brake warning light switch wire for braking systems using a brake warning light. An extension to the switch, wire "33A" with a late model mold-on connector, has also been provided. Route wire 33 to the brake warning switch, cut to length, install terminal "E", plug into connector "B" (Parts in 510047 kit), plug the completed lead into the brake warning extension wire 33A. The other end of the brake warning extension can then be plugged onto the brake warning switch.	
,	Light Blue Dark Blue Dark Green	Left Front Turn Right Front Turn Horn	These are the connections for the hood mounted directional lights. The mating connector and terminals "B and Q" to complete this branch can be found in the 510047 loose piece dash kit if you are using a stock hood with these lamps. Connect to the horn power terminal. NOTE: If your horn has a separate ground terminal, you must supply the wire	
14B	Light Blue	Left Front Turn	for this ground terminal as it is not included in the kit. Connect to the left front directional lamp socket. If you are using a single front directional light with an 1157 or dual	
15B	Dark Blue	Right Front Turn	filament bulb, this wire would be connected to the high intensity filament of the LH front running light. Connect to the right front directional lamp socket. If you are using a single front directional light with an 1157 or	
300	Orange	Electric Fan	dual filament bulb, this wire would be connected to the high intensity filament of the RH front running light. This is the 12 volt ignition feed to be connected to the trigger wire on your electric fan relay.	
9A	Brown	Park Lights	Connect to both the front park / running light sockets. If you are using a single front directional light with an 1157 or dual filament bulb, this wire would be connected to the low intensity filament of each of the front running lights. An in-line splice of this wire or a double up of this wire at the left front parking lamp will be necessary to accommodate	
11C 12B	Light Green Tan	Headlight-Hi Beam Headlight-Low Beam	the wiring of both of the front park / running lights Select the light green Headlight Hi Beam wire (11C) and tan Headlight Low Beam wire (12B). Route and connect these wires to the headlights. An in-line splice of these wires or a double up of these wires at the left front headlight will be necessary to accommodate wiring of both of the headlights. Using the supplied terminals and connectors, connect these wires along with the headlight ground wires to the headlight connectors according to the orientation	
500B	Black	Fog Lamps	in the diagram on page 9, Figure A. Connect this wire to your fog lamp power wires. An in-line splice or double up of the wire at the left fog lamp before routing to the right fog lamp will be necessary. If the fog lamps have a separate ground wire, you must supply those wires as they are not included in the kit.	
Por	2 97			





Installation instructions (cont'd)

Circuit Branch 3 - Under Dash connections

12V Battery

Drinting

Wire #	Wire color	Printing	Procedure			
40	Orange	12V Battery Fused	Connect to "Feed In" on your fog lamp switch (if so equipped).			
500A	Black	Fog Lamps	Connect to "Feed out" on your fog lamp switch (if so equipped).			
43	Tan	Radio	Ignition power lead to radio.			
99	Yellow	Radio Bat	Battery power lead to radio.			
28A	Black	Horn Relay Ground	Used for original Ford steering column only. See Table "A' - Stock turn signal connection instruction table.			
40B	Orange	12V battery Fused	Connect to cigarette lighter.			
8B	Gray	Dash Lights	Spare dash lamp feed for any accessory dash lamps needed.			
Brake Switch connector						

40A Orange Heater/AC feed Connect to Brake Switch. 17B White Brake Switch Connect to Brake Switch. Ignition Switch connector 3A Pink 5 Purnle Ignition Feed Connect to the provided 1967 style ignition switch. Purple Neutral Safety Switch 2B

Procedure

Procedure

4A,E Brown Ignition Sw Accy

Red

Wiro #

Install on the ignition switch stud after the main switch connector has been plugged in.

Turn Signal Switch connector

Wire color

If you are using a stock Ford turn signal switch, refer to Page 8, Table "A", AAW Turn Signal Switch wires to stock 1967-68 Mustang turn signal switch. This kit is designed to function with a GM style turn signal switch. Our connector mates to a 3 7/8 inch long plug used on 1969-1974 GM, IDIDIT, many other aftermarket steering columns. Starting from 1975 on up, the GM switch changed the mating connector to use a 4 1/4 inch connector. That connector is from the same family and uses the same terminals. By using the supplied mating connector located in the loose piece kit bag of this dash harness (510047), it is easy to adapt any steering column to the kit. The function of each wire within the cavities is as follows:

<u>vviie #</u>		Finling	riocedule
28 14A C	Black Light Blue	Horn Relay Ground Left Front Turn	Horn button ground to the horn relay trigger Feeds the left front turn lamp bulb high filament ,the left hood mounted turn signal bulb,
1 1/ 1,0	Eight Blue		and the left turn dash indicator lamp.
15A,C	Dark Blue	Right Front Turn	Feeds the right front turn lamp bulb high filament, the right hood mounted turn signal bulb, and the right turn dash indicator lamp.
27	Brown	Turn Sw - Hazard	4 way hazard power feed wire from the Hazard flasher "L" terminal.
16	Purple	Turn Switch Feed	Turn signal power feed wire from the Turn Signal flasher "L" terminal.
18	Yellow	Left Rear Turn	Feeds the left rear turn and brake lamp bulb high filament.
19	Dark Green	Right Rear Turn	Feeds the right rear turn and brake lamp bulb high filament.
17A	White	Brake Switch	Power feed wire from the output side of the brake switch.
1			

Circuit Branch 4- Under Dash connections

Wire #	Wire color	Printing
Dimmer	Switch connec Yellow	tor. Dimmer Switch Feed
11A,B		Headlight Hi Beam

Connect to Dimmer Switch. Connect to Dimmer Switch. Headlight Low Beam Connect to Dimmer Switch.

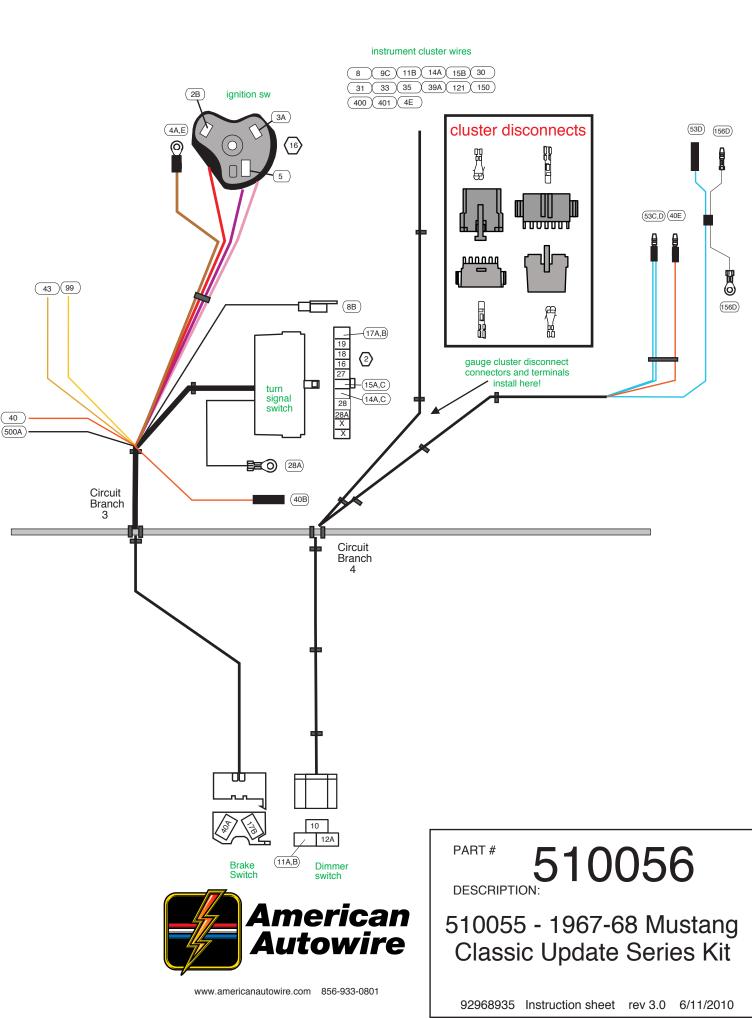
Left Hand Dome Lamp Feed Wires

53C,D	Light Blue	12V Ctsy Sw	Connect to Left Hand door jamb switch.				
40E	Orange	12V Battery Fused	Connect to Left Hand door jamb switch.				
53D	Light Blue	12V Ctsy Św	Connect to Left rear dome lamp.				
156D	White	Ctsy Ground	Connect the bullet terminal end to the left rear dome lamp. The ring terminal end must be connected				
			to a good chassis ground.				
Instrume	Instrument Cluster wires						

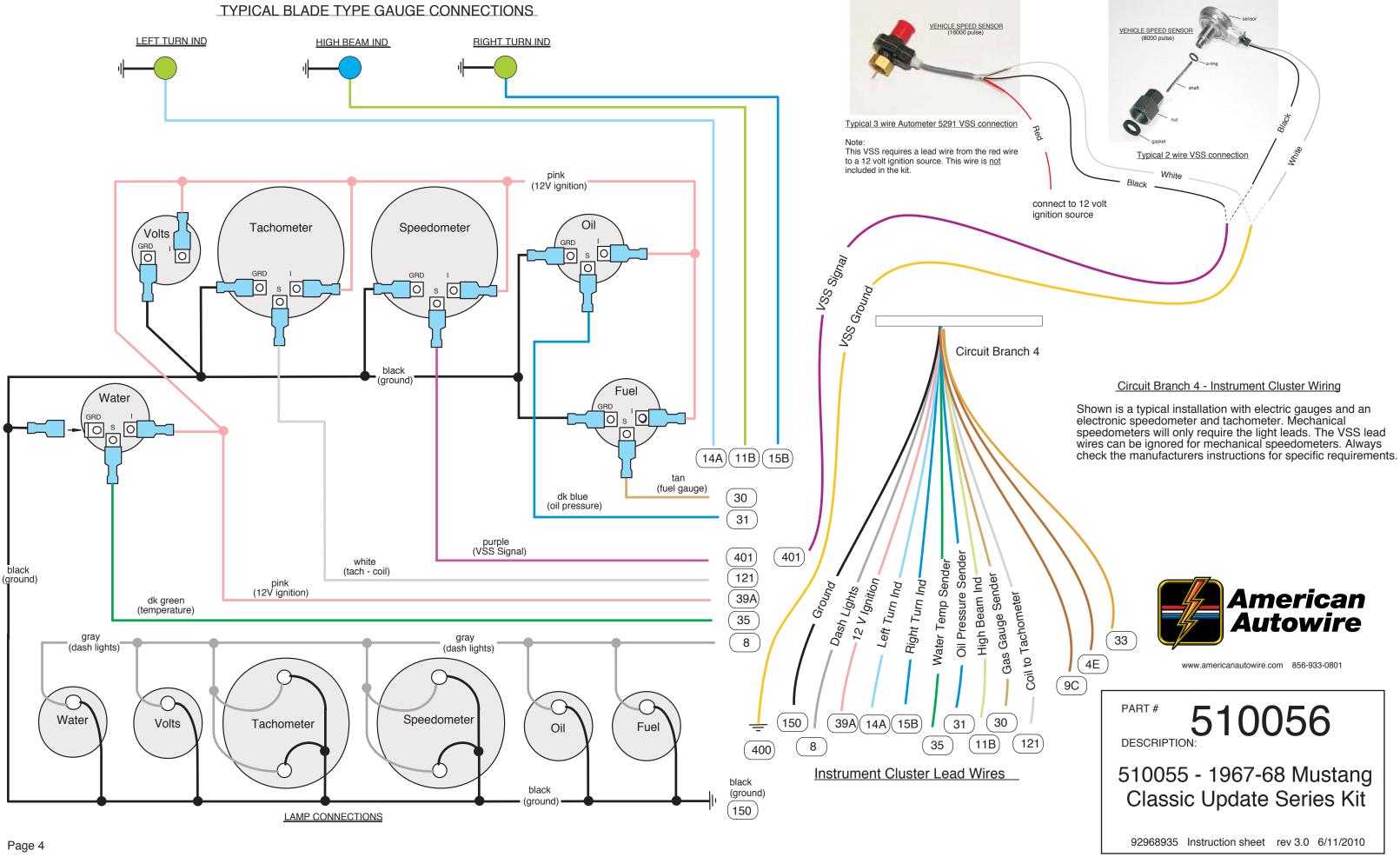
12A Tan

See Page 8 - Table 'B' for stock 1967-68 Mustang instrument cluster wiring colors and functions. Cluster disconnects have been provided and can be found in the 510047 loose piece bag. We have provided an ample length of wire in order for you to cut an make your own gauge cluster harness. Page 4 identifies a typical instrument cluster wiring scheme. As this kit is designed to function with many different gauge maufacturer's products, it may be necessary to follow the connection requirements specified by the manufacturer of the gauges being used. As with all AAW kits, the use of a factory ammeter is neither supported, nor is it encouraged. The function of each AAW wire is as follows:

8	Gray	Dash Lights	Connect to Gauge Lights.
9C	Brown	Park Lights	Connect to any instrument cluster requiring a signal to dim a digital display.
		-	If using regular analog gauges, this wire will not be required.
11B	Light Green	Headlight Low Beam	Connect to the high beam indicator light.
14A	Light Blue	Left Dash Ind	Connect to the left turn signal indicator light.
15B	Dark Blue	Right Dash Ind	Connect to the right turn signal indicator light.
30	Tan	Gas Gauge	Connect to the signal or sender terminal of the fuel gauge.
31	Dark Blue	Oil Pressure Sender	Connect to the signal or sender terminal of the oil pressure gauge.
33	Tan	Brake Light	Connect to the ground side of the brake warning indicator light.
35	Dark Green	Water Temp Sender	Connect to the signal or sender terminal of the water temperature gauge.
39A	Pink	12V Ignition	Connect to the Ignition or power terminals of each gauge. An in line splice will be necessary to
		-	feed each gauge in the instrument cluster.
121	White	Coil-Tach	Connect to the signal or sender terminal of the tachometer.
150	Black	Ground	Connect to the Ground terminals of each gauge and dash lamp. An in line splice will be
			necessary to feed each ground requirement in the instrument cluster.
400	Yellow	VSS Ground	connect to a good chassis ground or the VSS ground terminal on the speedometer.
			Mechanical speedometers do not require this connection.
401	Purple	VSS Signal	Connect to the VSS signal or sender terminal of the speedometer.
			Mechanical speedometers do not require this connection.
4E	Brown		This wire will only be used when installing a stock instrument cluster. Connect to the Black with light green
			stripe wire when using a stock 1967 or 1968 Mustang instrument cluster. This is the accessory feed for the
			voltage reducer for certain stock gauges.
Page	3.3		



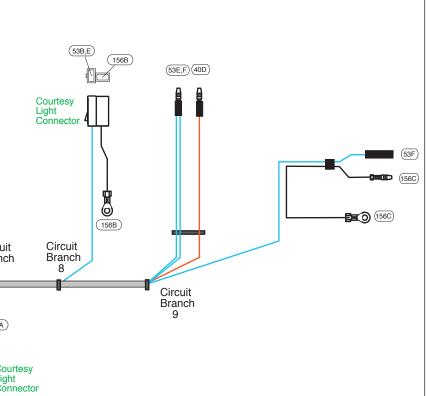




			Installation instructions (cont'd)					
Circuit Bra	Circuit Branch 5 - Under Dash connections							
Wire #	Wire color	Printing	Procedure					
Wiper Sw 93	itch connections. White	Wiper Feed	Power input to wiper and washer switch connection. (This wire and terminal will attach to AAW harness number 510131, "Wiper Washer Harness", to complete your stock windshield wiper harness system. The instructions for the motor and pump connections, as well as, the instructions on where to plug this wire into the "Wiper Washer Harness" can be found on instruction sheet number 510131.)					
150	Black	Ground	Instrument Cluster ground. Connect to a good chassis ground.					
Circuit Bra	nch 6- Under Dash co	onnections						
Wire #	Wire color	Printing	Procedure	(<u>40H</u>)				
	Wire connections. This plugs into the F Feed Wire connectio Tan Tan Red Pink Pink	Rear Body Kit 510052. See ns. Accessory Fused Fuel pump Power Locks Ignition Fused Power Windows	ee that sub-kit for specific installation instructions and circuit functions. Accessory Fused power source. Connect to the power input terminal of a fuel pump relay. Connect to the power input of the power locks switch or any other battery powered accessory. Ignition Fused power source. Connect to the power input of the power windows switch or any other ignition powered accessory.	FEO (150)				
Headlight : 2F 9A,B,C 44 10 40C,D,E 53A,B	switch connector. The function of eacl Brown Dark Green Yellow Orange Lt Blue	h wire is as follows: 12V Battery Park Lights Dimmer Sw feed 12V Battery Fused 12V Ctsy Sw	12 volt battery power to the switch. Power lead wires to the running light circuits. Power lead wire to the dash lights . Headlight power output to the Dimmer Switch. Courtesy Light battery power Courtesy Light switched battery power	Circuit Branch 6 7 (53A,C) (156A)				
53A,C 156A	Lt Blue White	12V Ctsy Sw Crtsy ground	amp assembly here. The function of each wire is as follows: Courtesy Light power. Courtesy Light ground					
	nch 7- Under Dash co							
Wire #	Wire color	Printing						
40H	Orange	12V Battery Fused	Connect to the glove box lamp assembly.					
	nch 8- Under Dash co							
<u>Wire #</u> Courtesy li	Wire color ight connector.	Printing	Procedure 93 VIIII VIIIII VIIII VIII					
53B,E 156B	Plug in your Right H Lt Blue White	land under dash courtesy la 12V Ctsy Sw Crtsy ground	v lamp assembly here. The function of each wire is as follows: Courtesy Light power. Courtesy Light ground Rear Body					
Circuit Branch 9- Under Dash connections								
Wire #	Wire color	Printing	Procedure Acces					
Right Hand 53E,F 40D 53F 156C	d Dome Lamp Feed V Light Blue Orange Light Blue White	Vires. 12V Ctsy Sw 12V Battery Fused 12V Ctsy Sw Ctsy Ground	Connect to the Right Hand door jamb switch. Connect to the Right Hand door jamb switch. Connect to the Right rear dome lamp. Connect the bullet terminal end to the right rear dome lamp. The ring terminal end must be connected to a good chassis ground.	Headlight switch				



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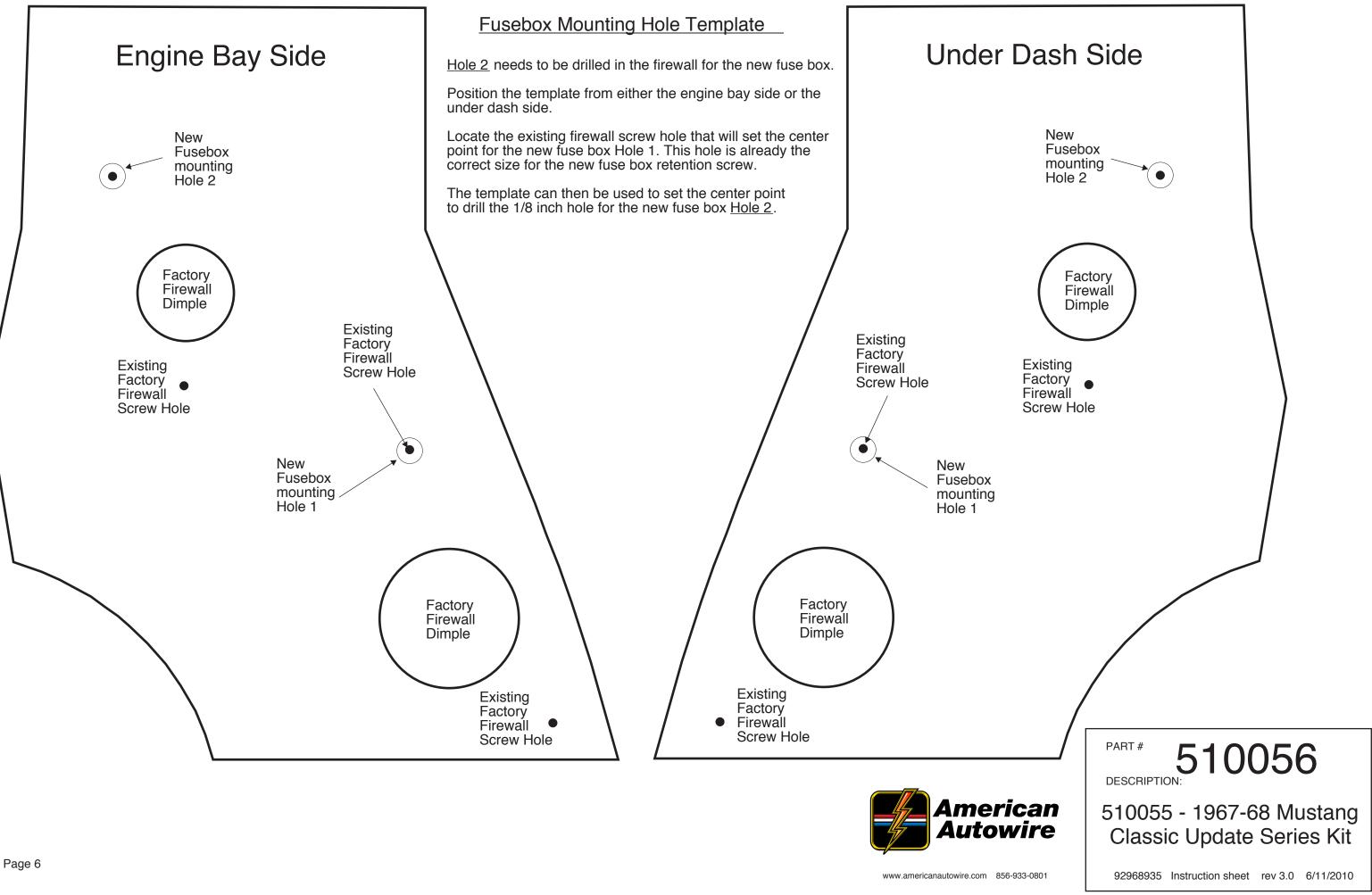
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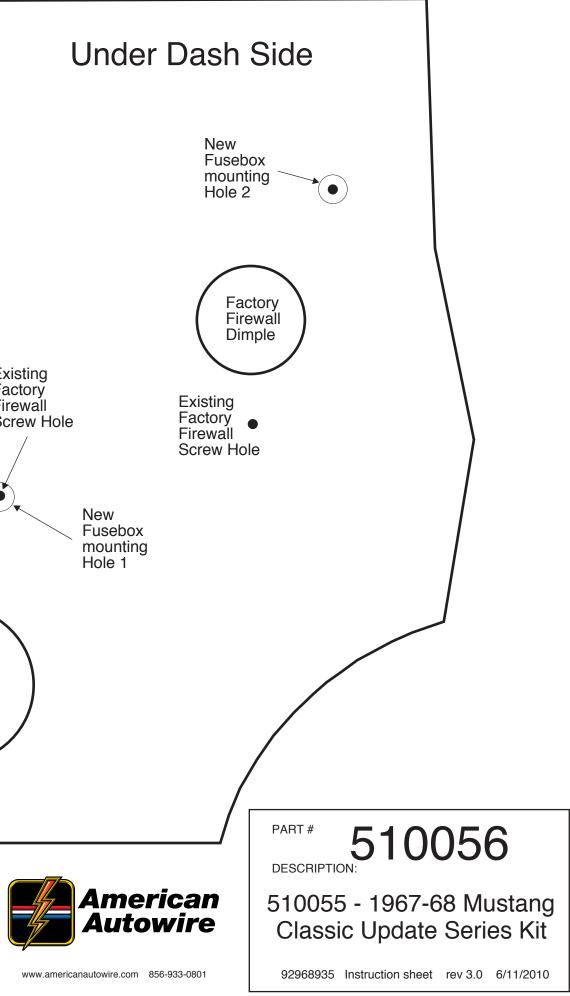
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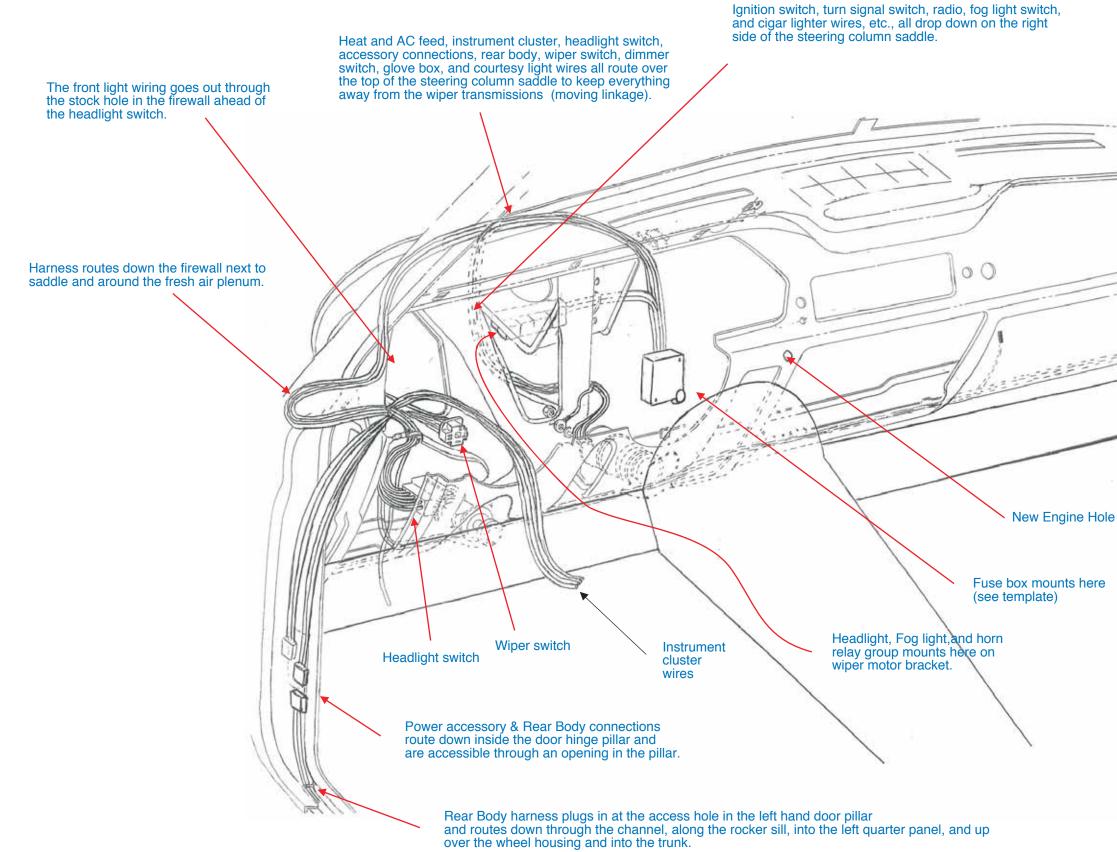
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510055 - 1967-68 Mustang Classic Update Series Kit

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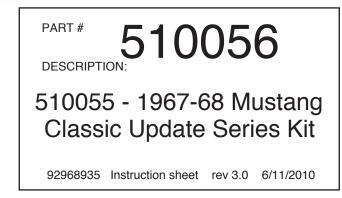


Table 'A' -AAW Turn Signal Switch wires to stock 1967-68 Mustang turn signal switch.

Table 'B' -AAW Instrument Cluster Kit wires to stock 1967-68 Mustang instrument cluster wires.

AAW <u>Wire #</u>	AAW <u>Wire color</u>	AAW Wire Printing	Ford <u>Wire Color</u>	AAW <u>Wire #</u>	AAW <u>Wire color</u>	AAW Wire Printing	Ford <u>Wire Colc</u>
14A 15B 16	Light Blue Dark Blue Purple	Left Front Turn Right Front Turn Turn Switch Feed	Green with white stripe White with blue stripe. Blue	4E	Brown		Black with This is the gauges.
17A 18 19	White Yellow Dark Green Brown Black Black	Brake Switch Left Rear Turn	Green Green with orange stripe. Orange with blue stripe. White with red stripe. Yellow Blue with yellow stripe.	8 9C	Gray Brown	Dash Lights Park Lights	Blue with Connect t display. V
27 28 28A				11B 14A 15B	Light Green Light Blue Dark Blue	Headlight Low Beam Left Dash Ind Right Dash Ind	Green wit Green wit White wit
			Note: Ford originally switched power to the horns through the steerring column horn button. In this kit, ground is being	30 31 33	Tan Dark Blue Tan	Gas Gauge Oil Pressure Sender Brake Light	Yellow wi White with Purple wi
			switched through the original steering column switch to ground a horn relay which switches power to the horns.	35 39A 121	Dark Green Pink White	Water Temp Sender 12V Ignition Coil-Tach	Red with Red with Sender te
				150	Black	Ground	Connect t An in line the instru
				400	Yellow	VSS Ground	Connect t an electro this conne
				401	Purple	VSS Signal	Connect t speedom connectio
				99	Yellow	Radio Bat	Light blue This is the



olor

vith light green stripe the accessory feed for the voltage reducer for certain stock

th red stripe.

ct to any instrument cluster requiring a signal to dim a digital When using analog gauges, this wire will not be required. with black stripe.

with white stripe.

vith blue stripe.

with white stripe.

vith red stripe.

with white stripe.

th white stripe.

th yellow stripe

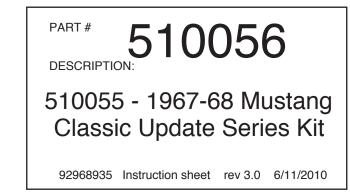
terminal of the tachometer.

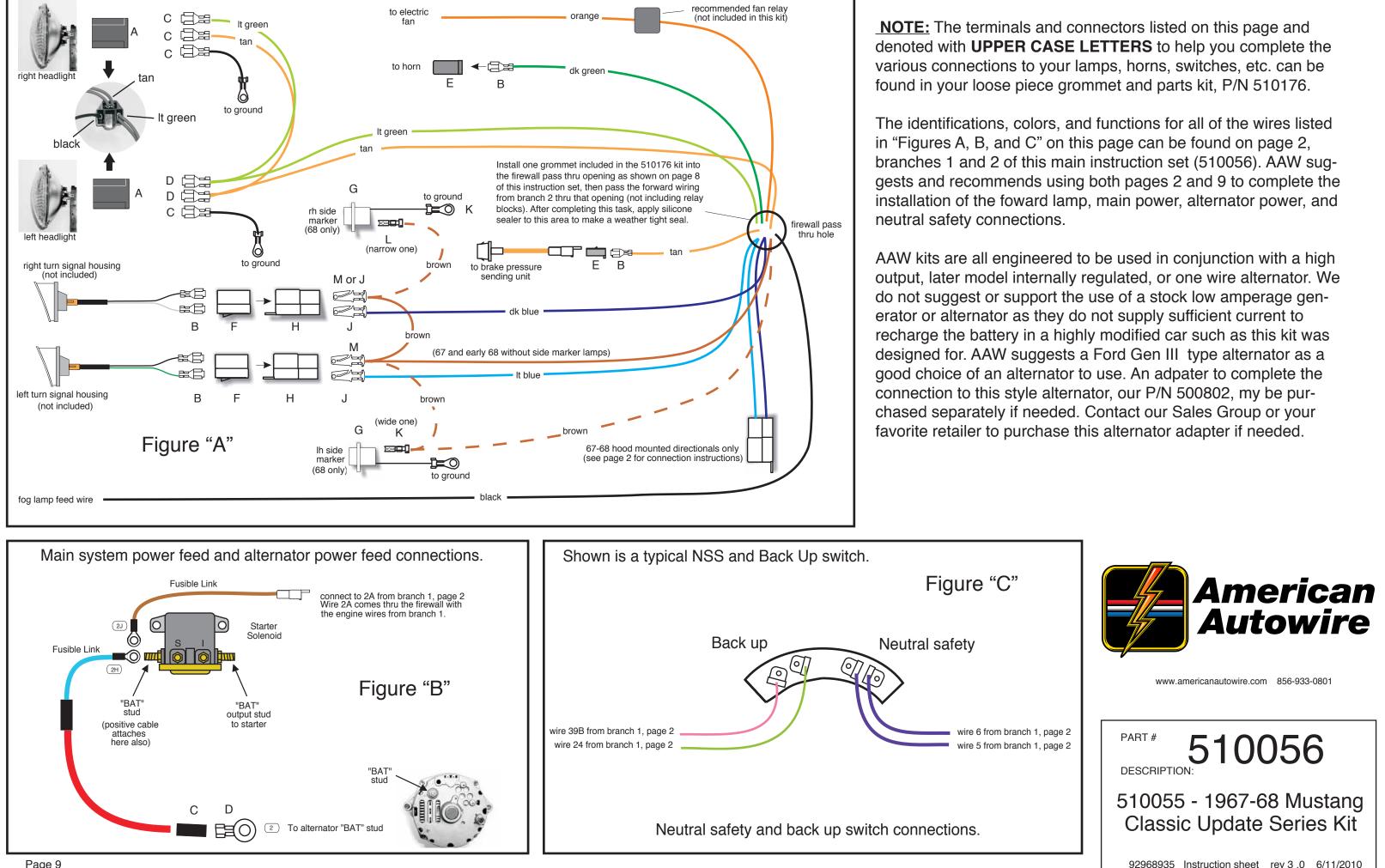
ct to the Ground terminals of each gauge and dash lamp. ne splice is necessary to feed each ground requirement in rument cluster.

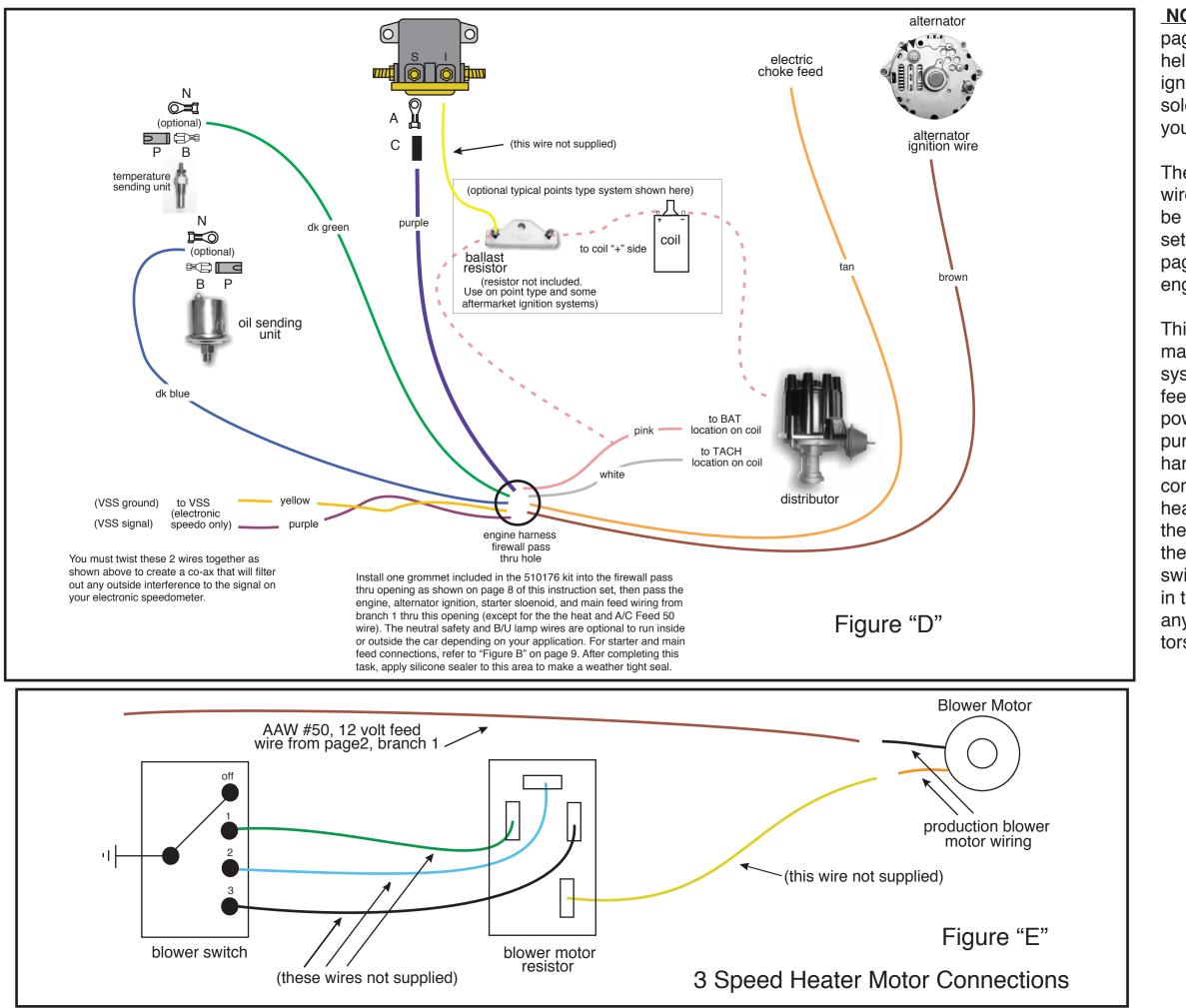
ct to a good chassis ground or the VSS ground terminal on tronic speedometer. Mechanical speedometers do not require nnection.

ct to the VSS pulse signal or sender terminal of the electronic ometer. Mechanical speedometers do not require this tion.

ue with white stripe or light blue with black stripe. the 12 volt feed for the dash clock. If you are using a radio with a digital clock, it will be necessary to splice into this wire to create 2 leads. One to the dash clock, and one to the radio.







<u>NOTE:</u> The terminals and connectors listed on this page and denoted with **UPPER CASE LETTERS** to help you complete the various connections to your ignition, temp and oil senders, electric choke, starter solenoid, alternator regulator, etc. can be found in your loose piece grommet and parts kit, P/N 510176.

The identifications, colors, and functions for all of the wires listed in "Figures D, E, and F" on this page can be found on page 2, branch 1 of this main instruction set (510056). AAW suggests and recommends using pages 2, 9, and 10 to complete the installation of the engine and alternator connections.

This AAW kit is engineered to work with most aftermarket manufacturer's heating and air conditioning systems. As such, we have provided a keyed 12-volt feed to use as the "OFF / ON" (AAW brown 50 wire) power source for whatever system you choose to purchase. The manufacturer will supply you with a harness for their system and instructions on how to connect it. In the event you are utilizing a stock heater system in your car, again we have provided the keyed 12-volt feed only. Figure E below depicts the typical stock 3 speed blower motor resistor and switch connections for the the heating system used in the 1967-68 Mustangs. AAW **DOES NOT** provide any of the other wiring from the switches to the resistors, or to the blower motor.



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