

Classic Update Series

1971-73 Ford Mustang
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 below. 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 www.youtube.com/watch?v=JAgED0Vt-co.



PLEASE READ THESE HELPFUL INSTALLATION TIPS BEFORE GOING ANY FURTHER!
Prior to installing the Dash/Main harness in your vehicle, plug all of the fuses (see a detailed picture on [page 4](#), of the fuse installation locations), into this harness.

AS THIS HARNESS IS DESIGNED FOR USE IN A MODIFIED VEHICLE REQUIRING A HIGHER RATE OF CHARGE, IT DOES NOT SUPPORT THE USE OF STOCK (ORIGINAL) TERMINALS. IT IS DESIGNED TO BE USED WITH AN APPROPRIATELY RATED BATTERY, OR SINGLE OR DOUBLE BATTERY ALTERNATOR. ALWAYS USE THE CORRECT WIRE GAUGE AND WIRE STYLE. WIRE SOURCES WILL BE NECESSARY TO USE AN ALTERNATOR OTHER THAN A GM 'ST' STYLE OR SINGLE WIRE STYLE UNIT.

STEP 1: DISCONNECT YOUR BATTERY:
Disconnect the battery before installing the wiring kit to prevent any accidental shorting caused by loose bare wire ends.

STEP 2: START INSTALLING KIT (see [page 7](#)):
This kit is broken down into individual steps that are identified by a letter printed on the instruction sheets visible through each step of the crimping process. The crimping process starts with the letter 'G'. The order of installation is shown below. You will use this main instruction sheet, [92971679](#), to complete the installation process of bag G. See [page seven](#) of this instruction set and Fuse Block Mounting instruction sheet [92971696](#) to begin.

- G - 510663 Dash Harness Kit
- H - 510664 Gauge Cluster Kit
- M - 510667 Rear Body Kit
- Z - 510476 Alternator and Main Power Connection Kit

STEP 3: RECONNECT YOUR BATTERY:
Wiring kit 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. Body is grounded to the frame.
- C. Body is grounded to the frame.
- D. Body is grounded to the frame.

STEP 4: CHECK ALL ELECTRICAL FUNCTIONS:
After 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.

We carry many accessories for your 1971-73 Ford Mustang



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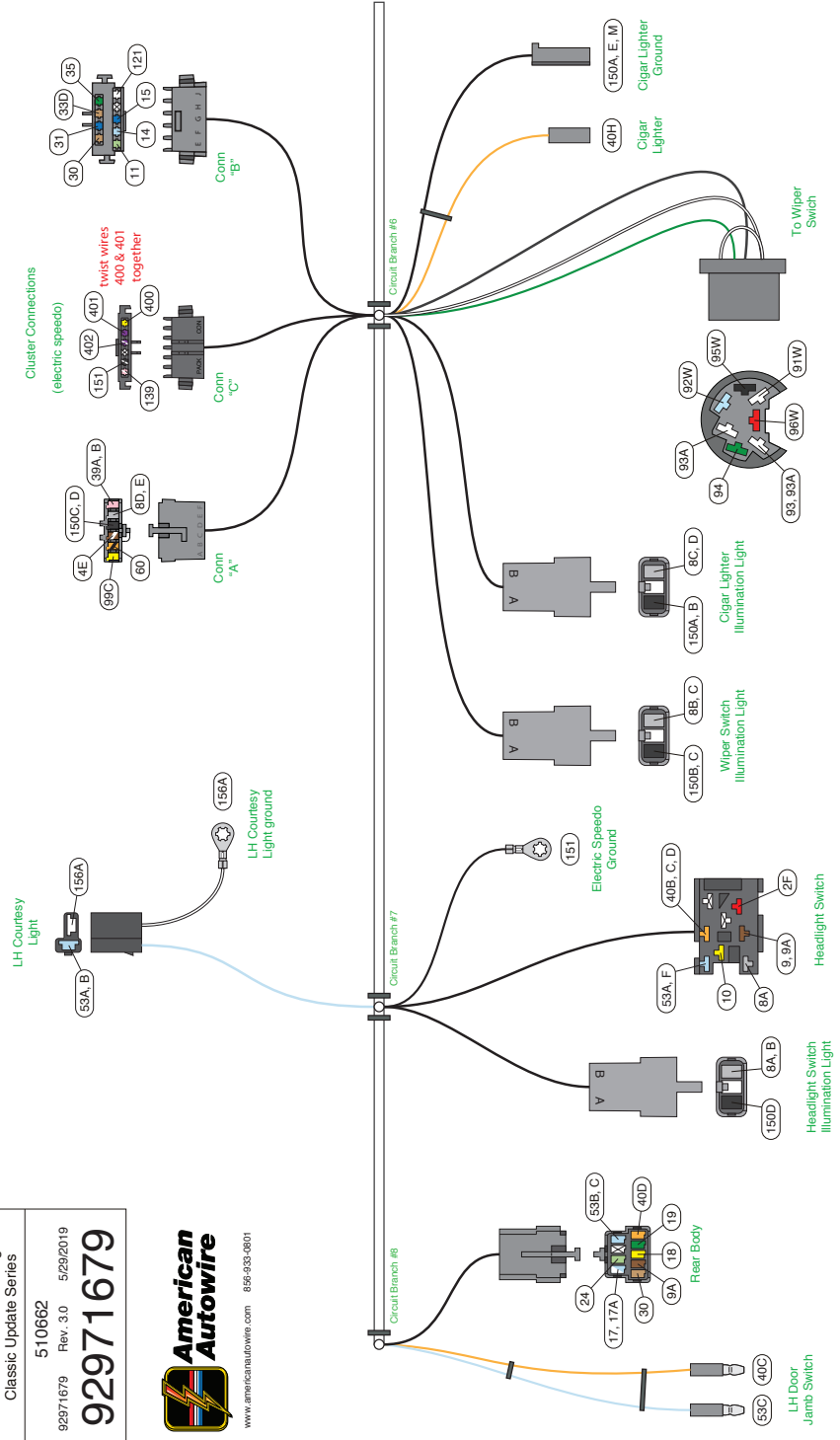
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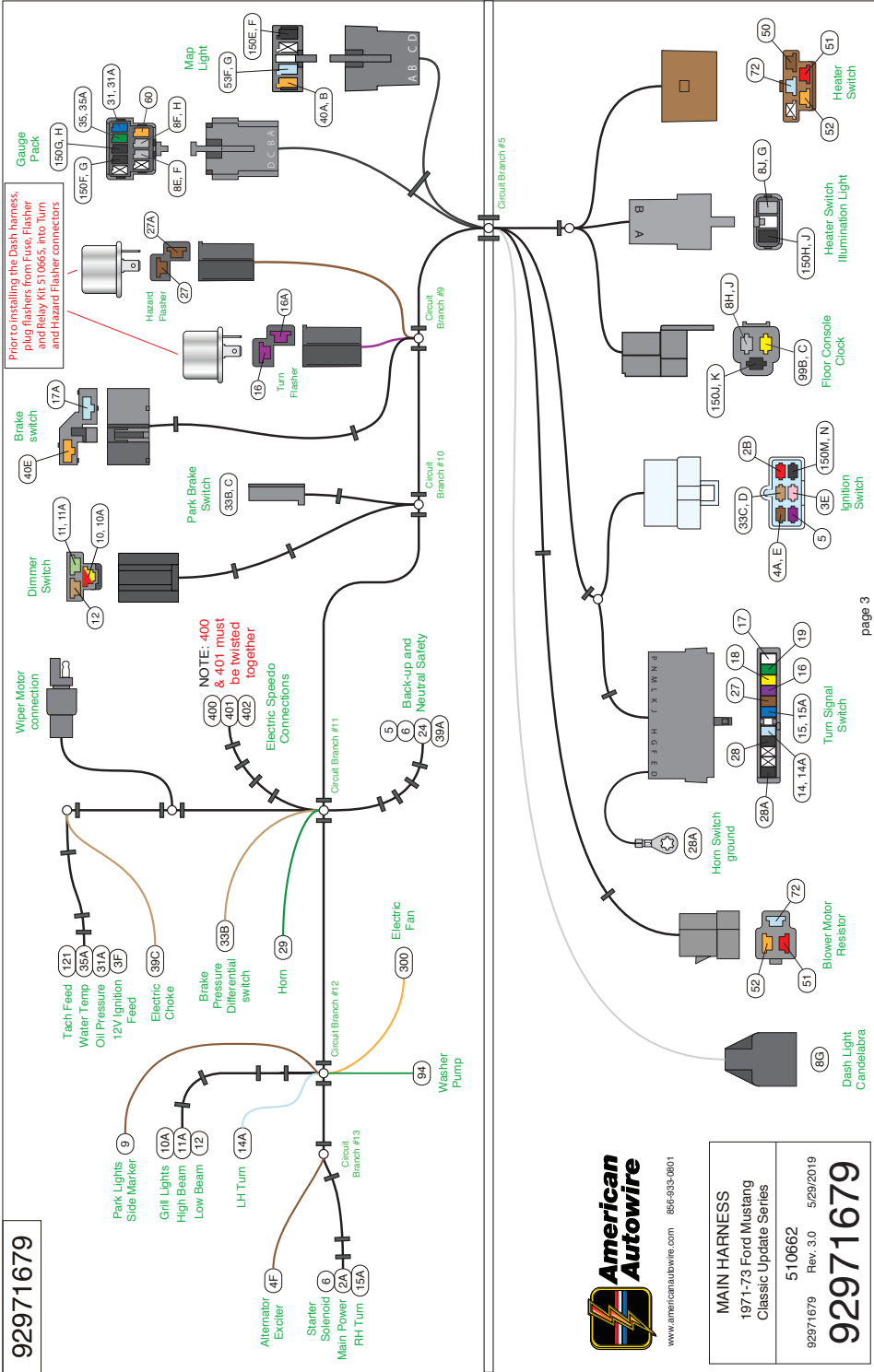
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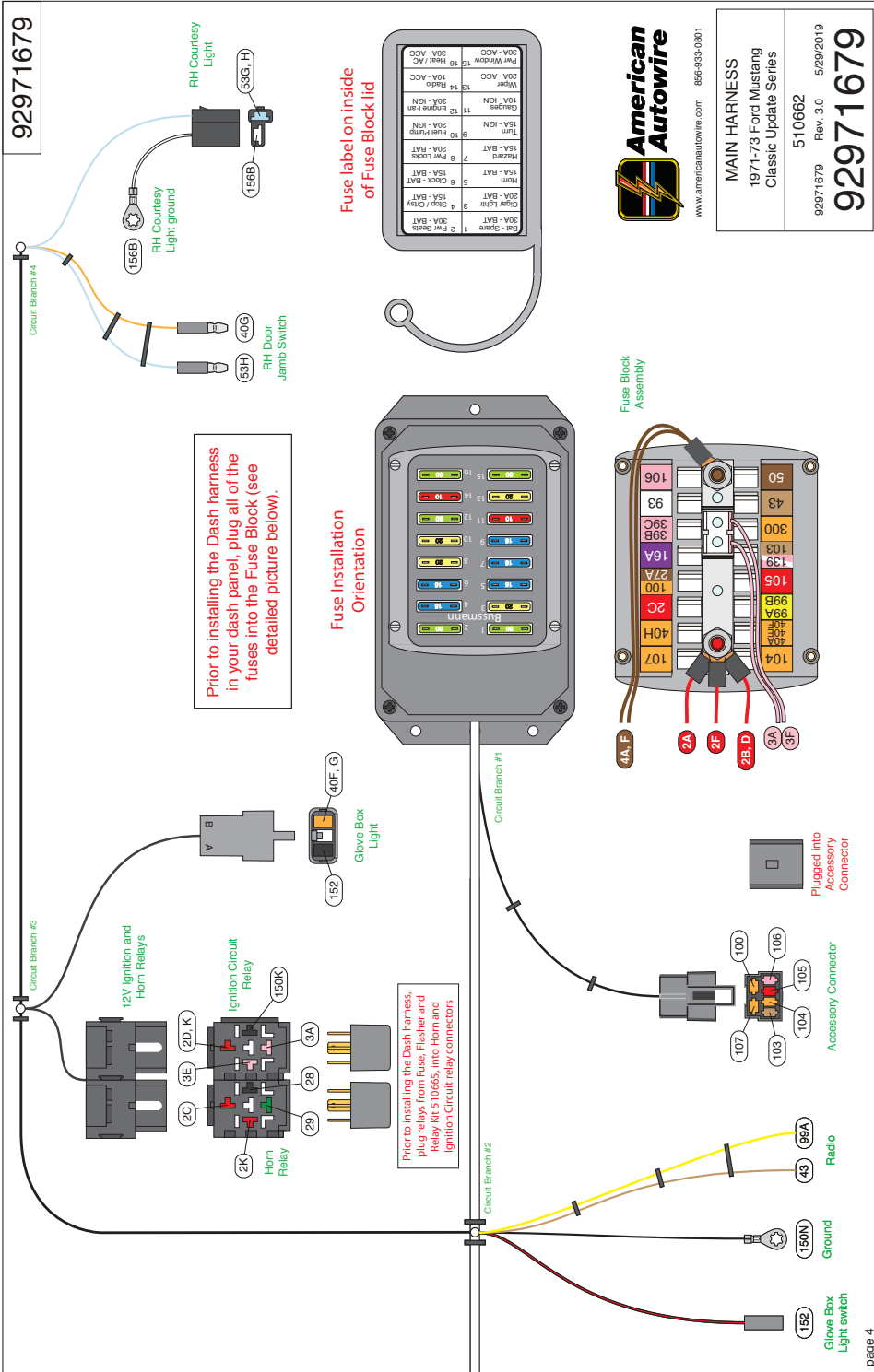


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Legend:

B (connector, 56 series, 1-way female, 4 pcs.)

C (terminal, 56 series, single female, 15 pcs.)

D (terminal, 56 series, double female, 13 pcs.)

E (sleeve, rubber, large, 3 pcs.)

F (connector, 56 series, 1-way female, 4 pcs.)

G (connector, 56 series, 1-way male, 1 pc.)

H (connector, 56 series 3-way male, 2 pcs.)

J (terminal, 56 series, single male, 10 pcs.)

K (terminal, 56 series, double male, 2 pcs.)

L (terminal, wedge base, single female, 2 pcs.)

M (terminal, wedge base, double female, 2 pcs.)

N (connector, 56 series, 3-way female, 4 pcs.)

P (terminal, 59 series, single female, 3 pcs.)

Q (terminal, 59 series, double female, 3 pcs.)

R (sleeve, rubber, small, 4 pcs.)

S (ring terminal, 2 pcs.)

U (ring terminal, 4 pcs.)

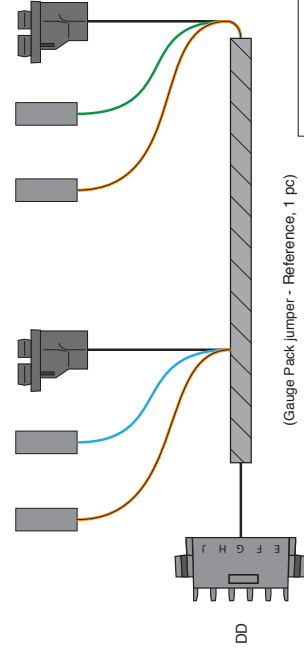
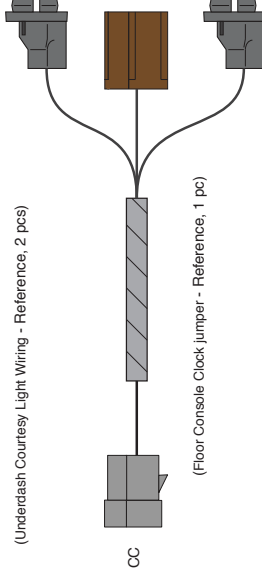
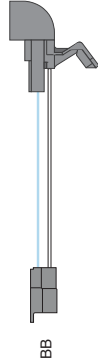
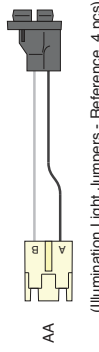
V (connector, 56 series, 1-way female, 1 pc.)

W (connector, 56 series, 1-way female, 1 pc.)

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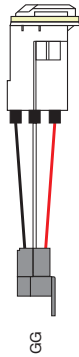
Legend (cont'd):



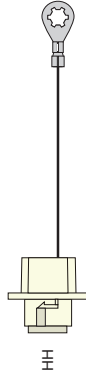
EE (Glove Box Light Jumper - Reference, 1 pc)



FF (Brake Pressure Differential Warning Switch Extension - Reference, 1 pc)



GG (Park, Turn and Grill Light Jumpers - Reference, 2 pcs)



HH (Front Side Marker Jumpers - Reference, 2 pcs)



JU (Headlight Jumpers - Reference, 2 pcs)

LL



(Starter Solenoid Resistor Bypass Wiring - Reference, 1 pc)

NN



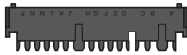
(GM "SI" Alternator Exciter Wiring - Reference, 1 pc)

PP



(Grill Light Ground Wires - Reference, 2 pcs)

AAA



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

BBB



(terminal, Pack-Conn, male, 16 pcs.)

CCC



(connector, 6-way female, 1 pc.)

DDD



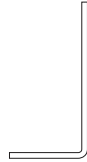
(terminal, 56 series, single female, 13 pcs.)

EEE



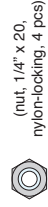
(terminal, 56 series, double female, 11 pcs.)

FFF



(bracket, 2 pcs)

JU



(nut, 1/4" x 20, nylon-locking, 4 pcs)

KKK



(clamp, metal, large, 3 pcs)

LLL



(screw, 1/4"-20 x 1/2", panhead, 4 pcs)

MMM



(clamp, metal, small, 1 pc)

NNN



(clip, wraparound, 7 pcs)

PPP



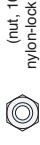
(connector, Pack-Conn, 4-way male, 1 pc.)

QQQ



(screw, 10-32 x 1/2", buttonhead, 8 pcs)

RRR



(nut, 10 x 32, nylon-locking, 8 pcs)

SSS



(terminal, bullet, male, 4 pcs.)

TTT



(sleeve, rubber, 4 pcs.)



(switch, door jamb, 2 pcs.)



(grommet, firewall, 1 pc.)

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Glove Box Light Jumper "EE"

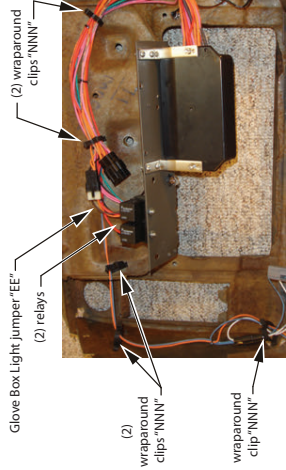


Photo #1

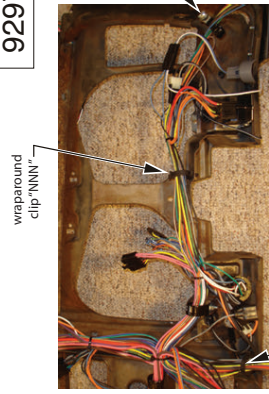


Photo #2

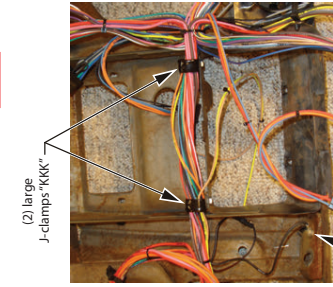


Photo #3

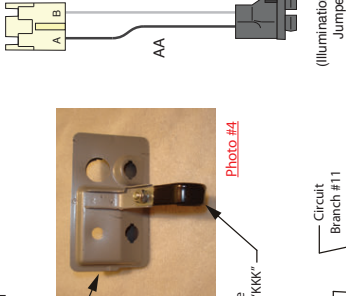


Photo #4

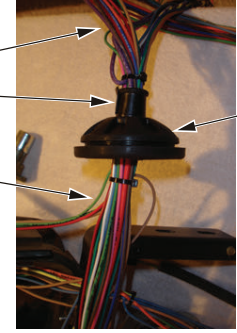


Photo #6



Photo #5

Reference Information:
 In the Engine Compartment, all loose Terminals and Connectors, that are required to install the Dash Harness can be found in Parts Kit 92971694 and are denoted with one letter-"X" on the Legend Page.

The various Dash Harness Jumper Harnesses can be found in Bag C and are denoted with two letters: "XX". See pages 5 and 6 of the instructions for a depiction of the Jumper Harnesses.

In the Passenger Compartment, all loose Terminals, Connectors, Screws, Nuts, Clamps, Clips, and Door Jamb Switches, that are required to install the Dash Harness can be found in Kit 92971694 and are denoted with three letters: "XXX".

Prior to installing the Dash Harness:

1. Remove the Dash Panel from the car and remove the original Instrument Panel Wiring Harness from the Dash Panel. The new Dash Harness will attach to the Dash Panel and then the Dash Panel will be installed in the car.
2. Disconnect the original Headlamp/Dash Harness from the Fuse Block, Bezel, and any other wires. Use the hardware from the Dash Switch and the Back Box Switch. Unseat the Firewall Grommet and remove the Headlamp/Dash Harness from the Passenger Compartment.

3. Obtain the Fuse, Flasher, and Relay Kit 510665 (located in Bag G) and plug all of the Fuses into the Fuse Block (See page 4 for the location of the Fuses). Plug the two relays into the Relay Connectors (located in Circuit Branch #3) until after you mount the Relay Connectors to the Glove Box Relay Bracket.

4. Obtain the Headlight Switch Kit 510385 and the Wiper Switch 510668 and verify that the Dash Harness Connectors (located in Circuit Branches #6 and #7) will plug into the switches with ease. Some slight adjustment of the blade terminals in the switch may help with alignment.

5. Obtain 7 Wraparound Nylon Clips "NNN" and install them to the Dash Panel (as shown in photos #1 and #2). The clips are designed to be installed in a 1/4" hole, so verify the holes are 1/4" and any flash is removed from the area.

6. Obtain two large metal rubber coated J-Clamps "KKK" and attach them to the Corner Stack Support Surface (see photo #3) with two 1/4" Screws "LLL" and two Nuts "JJJ". Again make sure the holes in the Dash are 1/4" and there is no metal flash around the holes.

7. Obtain the small rubber coated J-Clamp "MMM" and attach it to the Dash Panel near the Headlight Switch (see photo #2). Use a 1/4" screw "LLL" and lock nut "JJJ" to hold the Clamp in place.

8. Obtain one large metal rubber coated J-Clamp "KKK" and attach it to the original Wiper Switch/Cigar Lighter Bracket in place of the original 1 1/4" Wraparound Clip (see photo #4). Use Screw "LLL" and Nut "JJJ" to attach this large J-Clamp. Attach the Wiper Switch/Cigar Lighter Bracket to the Dash Panel by attaching the new Wiper Switch 510668 to the Bracket using your original Wiper Switch Bezel, Retaining Nut, and Knob. Also attach the Cigar Lighter Bracket to the Dash Panel by attaching the new Wiper Switch 510668 to the Wiper Switch/Cigar Lighter Bracket (requires a #1895 nub, which is not included in this kit).

9. Attach the Headlight Switch Bracket to the Dash Panel by attaching the new Headlight Switch 510385 to the bracket using your original Headlight Switch Bezel and Retaining Nut. A new Headlight Switch, Shaft, and Knob have been provided in this kit. Install one screw "LLL" and Nut "JJJ" to the Headlight Switch Bracket (requires a #1895 nub, which is not included in this kit).

10. Obtain the large Grommet "VVV". Since this standard grommet is larger than required for this specific application, it will have to be modified slightly to fit in the existing Mustang Firewall Grommet hole. Remove a section from the grommet (see photo #5) and slide the Firewall Grommet hole. Remove a section from the grommet (see photo #5) and slide the Firewall Grommet hole. Remove a section from the grommet (see photo #5) and slide the Firewall Grommet hole. Obtain a piece of tape to the narrow end of the grommet, to help hold it in place during installation in the firewall.



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Prior to installing the Dash Harness, obtain the Fuse, Flasher, and Relay Kit #510662 (located in Bag G) and plug all of the Fuses into the Fuse Block (see circuit branch #1), install the Flashers to the Dash Harness (see circuit branch #2) and install the Relays to the Dash Harness (see circuit branch #3).
 Begin installing the Dash Harness to the Dash Panel. Attach the wiring to the Dash Panel beginning with Circuit Branch #1, then Circuit Branch #2, etc.

Under Dash Connections

Circuit Branch #1 - Under Dash Connections

1. **Fuse Block, Relays and Glove Box Illumination Light**
 Remove your original Glove Box Relay Bracket and install the Dash Harness Fuse Block, the Relays and the Glove Box Illumination Light into the Glove Box Relay Bracket. Refer to the **Fuse Block Relaying Instructions Template 92971679**. Reinstall the Glove Box Relay Bracket, with the Fuse Block attached.

2. Accessory Connector

This connector and the mating connector are provided so that you can connect optional systems to the Dash Harness. Use the provided wiring diagram to identify the correct system connector on the Dash Harness, and terminals "DD" and "EEE" to add power wires (not provided) for the following optional systems:

Wire #	Wire Color	Priming	Fuse #	Fuse Block Cover	Description	Fuse Rating
103	Tan	None	10	Fuel Pump	Ignition feed for Heated or Audio Systems.	20A
104	Orange	None	2	POWER SEATS	Ignition feed for Electric Fuel Pump.	30A
105	Red	None	8	Pwr Locks	Battery feed for Power Seats.	20A
106	Pink	None	15	POWER WINDOWS	Battery feed for Power Locks.	30A
107	Orange	None	1	12V BATTERY-FUSED	Battery feed for options.	30A

Circuit Branch #2 - Under Dash Connections

1. **Glove Box Light Switch**
 Install the Glove Box Light Switch (not included) and connect.

Wire #	Wire Color	Priming	Description
152	Black/Red	no priming	Ground wire for the Glove Box Light.

2. Ground

Attach this black "GROUND" wire (circuit 150N) to the original ground location on the lower part of the Dash Panel (see photo #3).

Wire #	Wire Color	Priming	Description
150N	Black	GROUND	Ground wire.

3. Radio Wires

These wires are provided for your Radio.
 40F, G Orange 12V BATTERY-FUSED
 89A Yellow RADIO BAT

Circuit Branch #3 - Under Dash Connections

1. Glove Box Light Connector

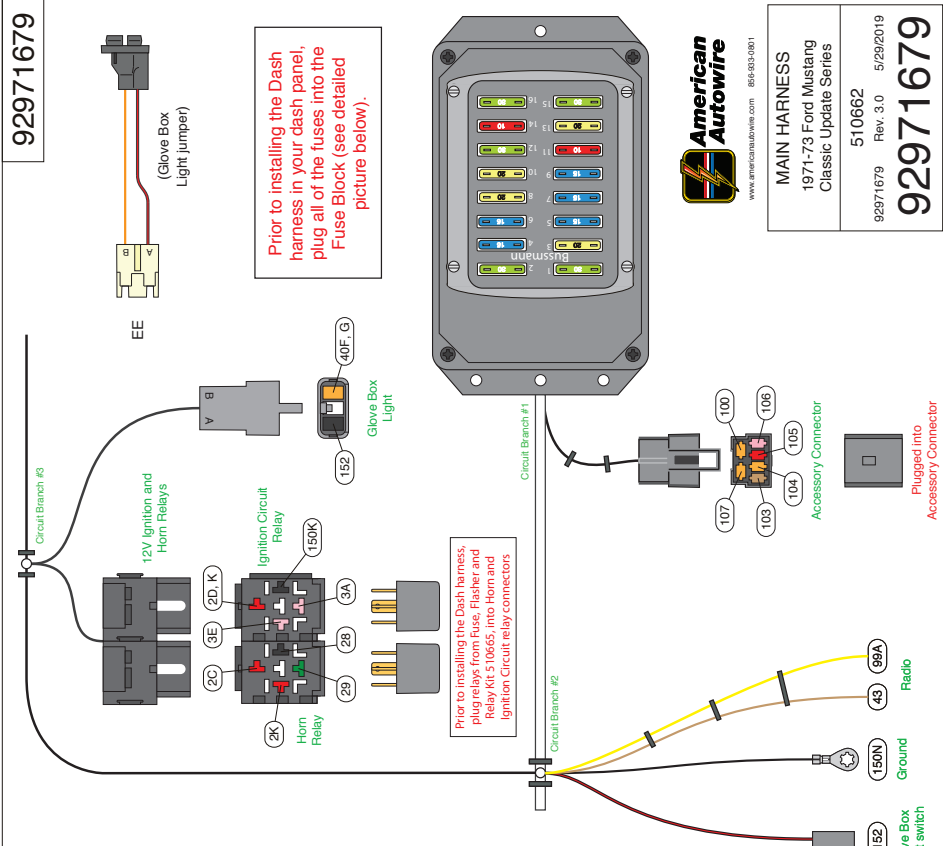
Plug the Glove Box Light Connector, which is part of the Dash Harness, to the **Glove Box Light Jumper "EE"** (see photo #1).
 40F, G Orange 12V BATTERY-FUSED
 152 Black/Red no priming

2. Horn Relay Connector

Fused 12V Battery feed to the Glove Box Light Switch.
 2C Red 12V BATTERY
 2K Red 12V BATTERY
 29 Dark Green HORN

3. Ignition Switch Relay Connector

2K Red 12V BATTERY
 29 Dark Green HORN
 3A Pink IGNITION FEED
 3E Pink 12V IGNITION
 150K Black GROUND



Prior to installing the Dash harness in your dash panel, plug all of the fuses into the Fuse Block (see detailed picture below).

Prior to installing the Dash harness, plug relays from Fuse, Flasher and Relay Kit 510662 into Horn and Ignition Circuit relay connectors.



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Circuit Branch #4 - Under Dash Connections

After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, route the two male bullet connectors into the Slick Cow and through the Door Jamb Switch Hole and connect to the **Door Jamb Switch "UUU"**, polarity does not matter. Install the new Door Jamb Switch in the original Door Jamb Switch location.
Wire Color 40A, B 12V BATTERY-FUSED
Wire # 59H 12V BATTERY-FUSED
Light Blue 12V CTSY SW
53H Feed to the RH Courtesy Light.

RH Courtesy Light/Wiring Assembly
 Attach the Courtesy Light/Wiring Assembly "BB" to the RH lower outboard Dash Panel (requires a #631 Bulb which is not included in this kit).

2. Right Hand Courtesy Light Connector
 Plug the Right Hand Courtesy Light Connector to "BB".
Wire # 156G, H
Light Blue 12V CTSY SW
53H 12V BATTERY-FUSED
White CTSY GROUND

3. Under Dash Connections
 Replace your 3-way molded connector on the Map Light Pigtail with a 4-way connector "PPP". Terminals "BBB" are to be crimped onto the pigtail wires. Align the wires as shown below:

Function	Wire Color	AAW Wire #
B+	LT Green/Yellow	40
CTS+ Gnd	Black/LL Blue	156
Ground	Black	150

1. Map Light Connector
 After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Map Light Connector into the Map Light Pigtail.
Wire # 40A, B 12V BATTERY-FUSED
Orange 12V BATTERY-FUSED
59F, G 12V CTSY SW
Light Blue 12V CTSY SW
Black GROUND
156E, F Ground.

Gauge Pack Jumper Harness
 If you have the Gauge Pack option, attach the Gauge Pack Jumper Harness "DD" to the Gauge Pack. Attach the two Light Circuit Branch #5 connectors to the Gauges per the list below. **Note: There are no wires for an Ammeter.**

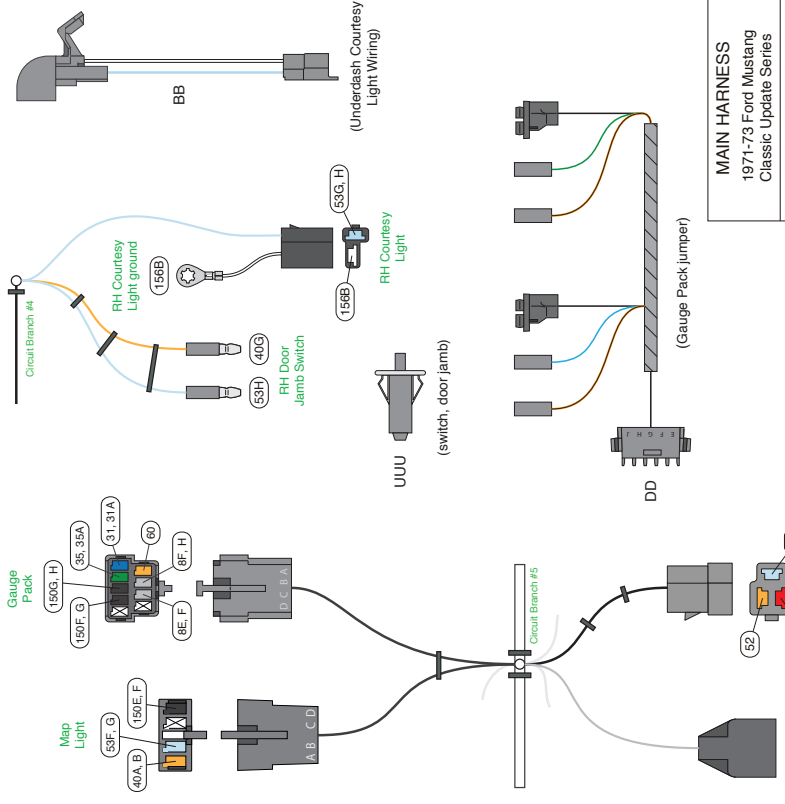
Gauge	Function	Wire Color	AAW Wire #
Oil Pressure	Oil Pressure	Dark Blue	8E, F
Water Temp	Water Temp	Orange/Black	8F, H
Water Temp	Water Temp	Orange/Black	8F, H
Water Temp	Water Temp	Dark Green	35, 35A
Water Temp	Water Temp	Dark Green	35, 35A
Water Temp	Water Temp	no printing	60
Water Temp	Water Temp	Orange/Black	150F, G
Water Temp	Water Temp	Black	150G, H
Water Temp	Water Temp	Black	150G, H

2. Gauge Pack Connector
 After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Gauge Pack Connector, which is part of the Dash Harness, to the Gauge Pack Jumper Harness "DD".

Wire #	Wire Color	Function
8E, F	Gray	DASH LIGHTS
8F, H	Gray	DASH LIGHTS
35, 35A	Dark Green	WATER TEMP SENDER
60	no printing	WATER TEMP SENDER
150F, G	Orange/Black	GROUND
150G, H	Black	GROUND

3. Dash Light Candelabra
 This 3-way female Dash Connector provides a connection point for any extra Illumination Light lead that may be required, such as the Blower Motor Resistor. The Blower Motor Resistor is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Blower Motor Resistor to the Blower Motor Resistor. This is for Resistor only cars.
Wire # 51
Red no printing
51 no printing
52 no printing
72 no printing
Light Blue no printing

4. Blower Motor Resistor Connector
 The Blower Motor Resistor is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Blower Motor Resistor to the Blower Motor Resistor. This is for Resistor only cars.
Wire # 51
Red no printing
51 no printing
52 no printing
72 no printing
Light Blue no printing

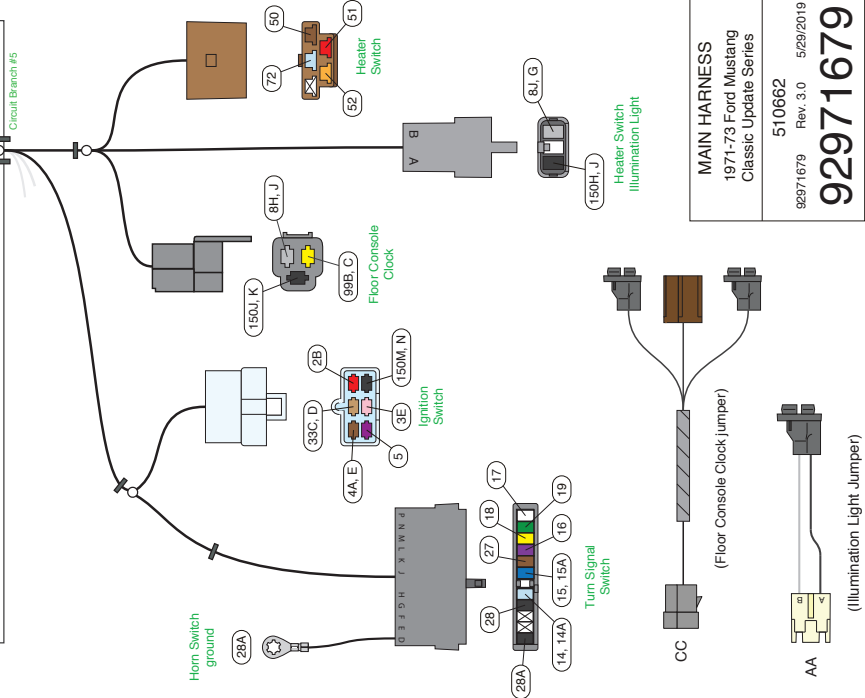


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Circuit Branch #5 (continued)
After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the 11-way Turn Signal Switch Connector, which is part of the Dash Harness, to the 14-way connector of the Turn Signal Switch.
Wires # **Printings** **Description**
14A Light Blue Left Front Turn Signal Indicator.
15 Dark Blue Left Front Turn Signal feed.
15A Dark Blue Right Front Turn Signal feed.
16 White Right Front Turn Signal feed.
17 White Brake Switch feed to the Turn Signal Switch.
18 Yellow Feed to the Left Rear Turn Signal Light.
19 Dark Green Feed to the Right Rear Turn Signal Light.
20 Brown Feed from the Ignition Switch to the Turn Signal Switch.
21 Brown Horn Relay Ground.
28A Black Horn Relay Ground.

5. Turn Signal Switch Connector
After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the 11-way Turn Signal Switch Connector, which is part of the Dash Harness, to the 14-way connector of the Turn Signal Switch.
Wires # **Printings** **Description**
14A Light Blue Left Front Turn Signal Indicator.
15 Dark Blue Left Front Turn Signal feed.
15A Dark Blue Right Front Turn Signal feed.
16 White Right Front Turn Signal feed.
17 White Brake Switch feed to the Turn Signal Switch.
18 Yellow Feed to the Left Rear Turn Signal Light.
19 Dark Green Feed to the Right Rear Turn Signal Light.
20 Brown Feed from the Ignition Switch to the Turn Signal Switch.
21 Brown Horn Relay Ground.
28A Black Horn Relay Ground.

Ignition Switch Pigtail Preparation
Cut the original Ignition Switch Pigtail with the AAN 6-way black connector "CCC". This connector will mate with the 6-way white Ignition Switch Connector of the Dash Harness. Crimp on terminal "DDD" for the starter wires and terminal "EEE" for the tickler wires (see "Table B" on page 20 for wire location and description of the circuit).
Wires # **Printings** **Description**
2B Red 12V BATTERY
3E Pink IGNITION FEED
4A Brown SW ACCY
5E Brown/White no printing
5 Purple NEUTRAL SAFETY SWITCH
33C, D Tan BRAKE LIGHT/SWITCH
150M, N Black GROUND

6. Ignition Switch Connector
After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Ignition Switch Connector to the Ignition Switch Pigtail.
Wires # **Printings** **Description**
2B Red 12V BATTERY
3E Pink IGNITION FEED
4A Brown SW ACCY
5E Brown/White no printing
5 Purple NEUTRAL SAFETY SWITCH
33C, D Tan BRAKE LIGHT/SWITCH
150M, N Black GROUND

Floor Console Clock Jumper
If you have the Floor Console Clock option, attach the Floor Console Clock Jumper "CC" to the Clock. Attach the two Light Sockets (requires #185 Bulbs which are not included in this kit) to the Clock Housing. Attach the brown connector to the Clock.
Wires # **Printings** **Description**
8H, J Gray Feed to the Clock Illumination lights.
99B, C Gray Feed to the Clock.
150L, K Black GROUND

7. Floor Console Clock Connector
After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Floor Console Clock Connector to the Floor Console Clock Jumper "CC".
Wires # **Printings** **Description**
8H, J Gray Feed to the Clock Illumination lights.
99B, C Gray Feed to the Clock.
150L, K Black GROUND

Heater Switch Illumination Light Jumper
Attach the Heater Switch Illumination Light Jumper "AA" to the Heater Switch Control Panel (requires a #1445 Bulb which is not included in this kit).
Wires # **Printings** **Description**
150H, J Gray Feed to the Heater Switch Illumination Light.
8J, G Black GROUND

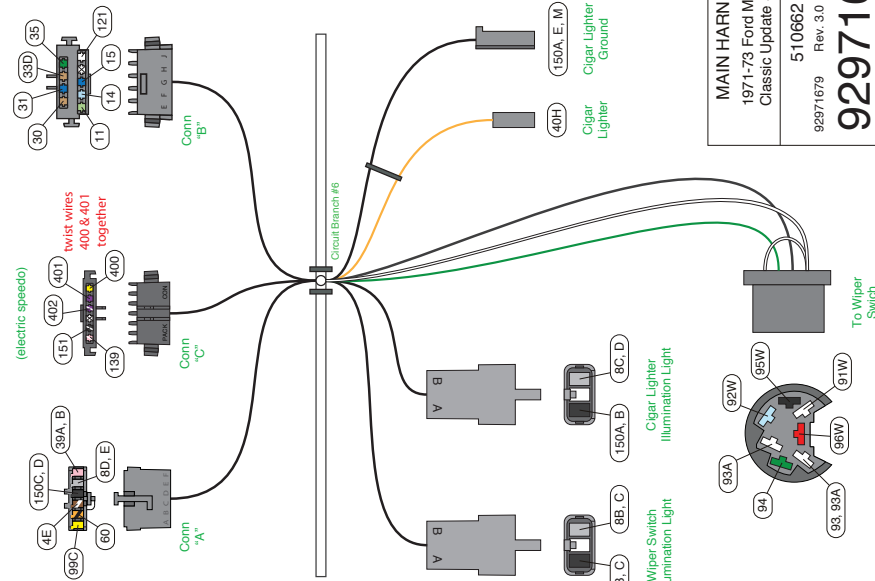
8. Heater Switch Illumination Light Connector
After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Heater Switch Illumination Light Connector to the Heater Switch Illumination Light Jumper "AA".
Wires # **Printings** **Description**
150H, J Gray Feed to the Heater Control Panel Illumination Light.
8J, G Black GROUND

9. Heater Switch Connector
After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Heater Switch Connector to the Heater Switch.
Wires # **Printings** **Description**
50 Brown HEAT/AC FEED
51 Red no printing
52 Brown HEAT/AC FEED
7Z Light Blue no printing

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Circuit Branch #6 - Under Dash Connections
 Instrument Cluster Connections
 These connectors will plug to the connectors of the Gauge Cluster Kit 510684 (located in Bag H).



- Cluster Connector "A"**
 This connector contains the wires for an Aftermarket Electric Speedometer.

Wire #	Wire Color	Printed	Description
4E	Brown/White	no printing	12V Ignition Accessory feed.
8D, E	Gray	DASH LIGHTS	Feed for the Cluster Illumination Lights.
89A, B	Black/White	no printing	Ignition Feed for the Cluster Clock.
80	Orange/Black	no printing	Reduced Voltage output from the CVR for the Gauge Pack.
99C	Yellow	CLOCK BAT	B+ feed to the Cluster Clock.
150C, D	Black	GROUND	Cluster ground.
- Cluster Connector "C"**
 This connector contains the wires for an Aftermarket Electric Speedometer.

Wire #	Wire Color	Printed	Description
139	Pink/White	no printing	Fixed 12V Ignition feed for the Electric Speedometer.
151	Black/White	SPEEDO POWER	Electric Speedometer Ground.
400	Yellow	VSS GROUND	Vehicle Speed Sensor Ground.
401	Purple	VSS SIGNAL	Vehicle Speed Sensor Signal.
402	Purple/White	VSS POWER	Vehicle Speed Sensor Power.
- Cluster Connector "B"**

Wire #	Wire Color	Printed	Description
11	Light Green	HI BEAM INDICATOR LIGHT	Feed to the High Beam Indicator Light.
14	Light Blue	LEFT DASH IND	Feed for the Left Turn Signal Indicator Light.
15	Dark Blue	RIGHT DASH IND	Feed for the Right Turn Signal Indicator Light.
30	Dark Blue	FUEL GAUGE SIGNAL	Fuel Gauge Signal from the Fuel Tank Sending Unit.
31	Dark Blue	IGNITION	Ignition Feed to the Instrument Cluster.
33D	Tan	BRAKE LIGHT/SWITCH	Brake Warning Light Signal to ground.
35	Dark Green	WATER TEMP SENDER	Water Temperature Sender Signal from the Engine.
121	White	COIL -> TACH	Tachometer Feed Signal from the Ignition Coil or an Aftermarket Module.
- Wiper Switch Illumination Light Connector**

Wire #	Wire Color	Printed	Description
88, C	Gray	DASH LIGHTS	Feed to the Wiper Switch Illumination Light.
150B, C	Black	GROUND	Ground for the Wiper Switch Illumination Light.
- Cigar Lighter Illumination Light Connector**

Wire #	Wire Color	Printed	Description
80, D	Gray	DASH LIGHTS	Feed to the Cigar Lighter Illumination Light.
150A, B	Black	GROUND	Ground for the Cigar Lighter Illumination Light.
- Wiper Switch Connector**

Wire #	Wire Color	Printed	Description
91W	White	no printing	Switched 12V out for wiper low speed.
92W	Dark Blue	no printing	Switched 12V out for wiper high speed.
93, 93A	White	WIPER FEED	12V fused feed for Wiper Switch Assembly.
93A	White	WIPER FEED	12V fused feed for the Washer Pump lead.
94	Dark Green	no printing	Switched 12V out for the Washer Pump.
98W	Black	no printing	Wiper Motor park.
98V	Red	no printing	Wiper Motor low park.
- Cigar Lighter Connector**

Wire #	Wire Color	Printed	Description
40H	Orange	12V BATTERY-FUSED	12V BATTERY-FUSED
150A, E, M	Black	GROUND	B+ feed to the Cigar Lighter.
- Cigar Lighter Ground Connector**

Wire #	Wire Color	Printed	Description
150A	Black	GROUND	Ground for the Cigar Lighter.
150E	Black	GROUND	Ground for the Map Lights.
150M	Black	GROUND	Ground for the Ignition Switch.

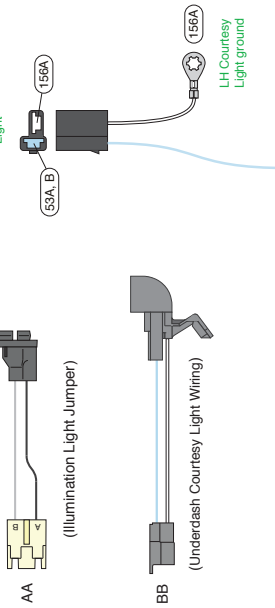
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Circuit Branch #7 - Under Dash Connections

LH Courtesy Light Wiring Assembly

Attach the Courtesy Light Wiring Assembly "BB" to the LH lower outward Dash Panel (requires a #631 Bulb which is not included in this kit).



- 1. LH Hand Courtesy Light Connector**
Plug the LH Hand Courtesy Light Connector to "BB".

Wire #	Wire Color	Printed	Description
53A, B	Light Blue	12V CTSY SW	12V Switched feed to the LH Courtesy Light.
158A	White	CTS' GROUND	LH Courtesy Light ground. Attach this end terminal to a good ground.

- 2. Aftermarket Electric Speedo Ground**
Attach this wire to a clean frame ground location near the Headlight Switch.

Wire #	Wire Color	Printed	Description
151	Black/White	SPEEDO GROUND	12V Switched feed to the LH Courtesy Light. This wire should remain separate from all other grounds. Ground for an Aftermarket Electric Speedometer.

- 3. Headlight Switch Illumination Light Connector**
Connect the Headlight Switch Illumination Light Connector to Jumper "AA".

Wire #	Wire Color	Printed	Description
8A, B	Gray	DASH LIGHTS	Feed to the Headlight Switch Illumination Light.
150B	Black	GROUND	Ground for the Headlight Switch Illumination Light.

- 4. Headlight Switch Connector**
Plug the Headlight Switch Connector to the Headlight Switch.

Wire #	Wire Color	Printed	Description
2F	Red	12V BATTERY	12V Battery feed from the Fuse Block.
9A	Gray	DASH LIGHTS	Dash Light feed for the Dash Lights.
9A	Brown	PARK LIGHTS	Feed to the Front Park Lights.
9A	Brown	REAR RUNNING LIGHTS	Feed to the Rear Tail Lights.
10	Yellow	DIMMER SW FEED	Feed to the Headlight Dimmer Switch for the Headlights.
40B	Orange	12V BATTERY FEUSED	Fused 12V Battery feed from the Fuse Block.
40C	Orange	12V BATTERY FEUSED	Fused 12V Battery feed from the Fuse Block.
40D	Orange	12V BATTERY FEUSED	Fused 12V Battery feed from the Fuse Block.
53A	Light Blue	12V CTSY SW	12V Switched feed to the LH Courtesy Light.
53F	Light Blue	12V CTSY SW	12V Switched feed to the Map Light.

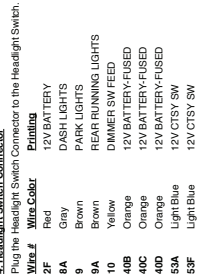
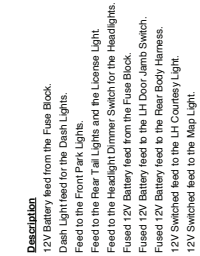
- Circuit Branch #8 - Under Dash Connections**

- 1. LH Hand Door Jamb Switch Connector**
After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, route the two male bullet connectors into the Side Cow and through the Door Jamb Switch Hole and connect to the Door Jamb Switch "UUU". Polarity does not matter. Install the new Door Jamb Switch in the original Door Jamb Switch location.

Wire #	Wire Color	Printed	Description
40C	Orange	12V BATTERY FEUSED	12V fused Battery feed.
53C	Light Blue	12V CTSY SW	Feed to the LH Courtesy Light.

- 2. Rear Body Connector**
After all of the Dash Harness Wiring is attached to the Dash Panel and the Dash Panel is installed in the car, plug the Rear Body Harness Connector (included in the Rear Body Harness Kit 510867 in Bag M) to the Dash Harness Rear Body Connector.

Wire #	Wire Color	Printed	Description
9A	Brown	REAR RUNNING LIGHTS	Feed for the Stop Marker Lights, the License Light and the Rear Running Lights.
17	White	BRAKE SW	Feed for the Brake Switch.
17A	Light Blue	THIRD BRAKE LIGHT	Feed for an aftermarket Third Brake Light.
18	Yellow	LEFT REAR TURN	Feed to the Left Rear Stop and Turn Light.
19	Dark Green	RIGHT REAR TURN	Feed to the Right Rear Stop and Turn Light.
24	Light Green	BACK UP LT SW -> LIGHTS	Feed from the Back-up Light Switch to the Back-up Lights.
30	Tan	GAS GAUGE	Fuel Tank Sender.
40D	Orange	12V BATTERY FEUSED	12V Fused Battery feed for a Trunk Light or Aftermarket LED Tail Lights.
53B, C	Light Blue	12V CTSY SW	12V Switched feed for the Dome Light.

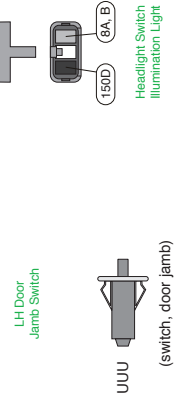


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Install the Dash Panel to the Car. Route the Engine Compartment Wire Harness Branches over the Steering Column Bracket and above the Park Brake Assembly and through the hole in the Firewall to the Engine Compartment. This is the same wire routing as the original routing.

Circuit Branch #9 – Under Dash Connections

1. Brake Switch Connector

Plug the Brake Switch Connector to the Stop Light Brake Switch.

Wire #	Wire Color	Printing	Description
17A	White	THIRD BRAKE LIGHT	Brake Switch feed to the Turn Signal Switch.
40E	Orange	BRAKE SW	2V Battery Fused feed from the Fuse Block.

2. Turn Flasher Connector

If you haven't already, plug one of the Flashers into this connector.

Wire #	Wire Color	Printing	Description
16	Purple	TURN SWITCH FEED	12V feed from the Turn Flasher to the Turn Signal Switch.
16A	Purple	TURN SWITCH FEED	12V Ignition feed from the Fuse Block.

3. Hazard Flasher Connector

If you haven't already, plug one of the Flashers into this connector.

Wire #	Wire Color	Printing	Description
27	Brown	TURN SW-HAZARD	12V feed from the Hazard Flasher to the Turn Signal Switch.
27A	Brown	TURN SW-HAZARD	12V Battery feed from the Fuse Block.

Circuit Branch #10 – Under Dash Connections

1. Dimmer Switch Connector

Plug the 3-way Dimmer Switch Connector to the new Dimmer Switch 500042 (located in Bag G) and attach the Dimmer Switch to the Floor Pan.

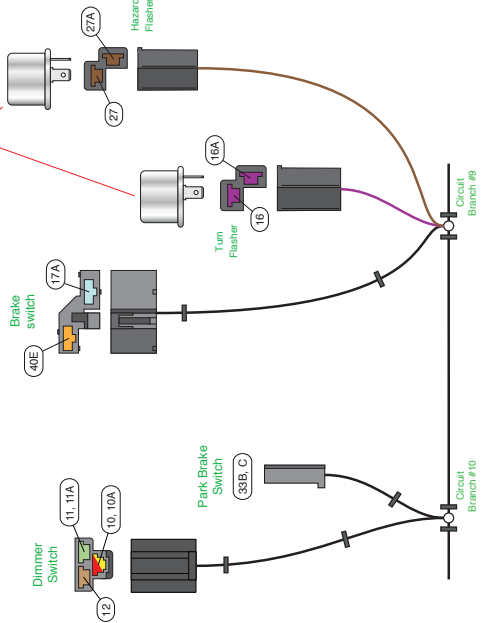
Wire #	Wire Color	Printing	Description
10	Yellow	DIMMER SW FEED	Feed from the Headlight Switch.
10A	Red	no printing	Feed from the Dimmer Switch to the Grill Lights (1971-72 only).
11	Light Green	HI BEAM INDICATOR LIGHT	Feed to the High Beam Indicator Light in the Instrument Cluster.
11A	Light Green	HEADLIGHT-HI BEAM	Feed to the High Beam Headlights.
12	Tan	HEADLIGHT-LOW BEAM	Feed to the Low Beam Headlights.

2. Park Brake Switch Connector

Plug the Park Brake Switch Connector to the Park Brake Switch.

Wire #	Wire Color	Printing	Description
33B, C	Tan	BRAKE LIGHT/SWITCH	Brake Light ground wire to Park Brake Switch.

Prior to installing the Dash harness, plug the Turn Flasher, Hazard Flasher and Dimmer Switch connectors into the Turn and Hazard Flasher connectors.



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(Headlight jumper)

JU

Engines Compartment Connections
 Since Grommet "VV" is already installed on the Dash Harness, you can seal it in the Firewall hole. After all of the wiring is installed apply silicon sealer around the grommet to ensure a weather light seal.
 The wiring will split into two main segments similar to the original Headlamp and Dash Wire Harness routing. One segment will route forward to the Front Lighting (see Figure 1) and the second main segment will route across the upper Firewall to the Engine (see Figure 4).

Figure 1 (See page 18)
 Route the branch with the Front Light Connections along the LH Inner Fender and then across the lower Radiator Support. Follow the path of the original routing. As an alternative, extra wire length has been provided if you wish to route the wiring between the inner and Outer Fenders.

Figure 4 (See page 18)
 Route the branch with the Front Light Connections along the LH Inner Fender and then across the lower Radiator Support. Follow the path of the original routing. As an alternative, extra wire length has been provided if you wish to route the wiring between the inner and Outer Fenders.

Brake Pressure Differential Switch
 (NOTE: We have provided you with the connection to the original Ford brake warning switch in the form of Brake Pressure Differential Warning Switch Extension "FF". You will plug the extension into wire 33B, below.

1. Brake Pressure Differential Warning Switch/Dash Harness Connection
 Obtain the dark green "HORN" wire (circuit 29) from the Dash Harness and route the loose end of the wire to the first Horn and out to length, double with the cutoff portion and crimp on terminal "D" and plug into connector "F". Route the loose wire to the second Horn (if so equipped), cut to length, crimp on terminal "C" and plug into connector "F".
Wire # Wire Color
 29 Dark Green
Printing Horn

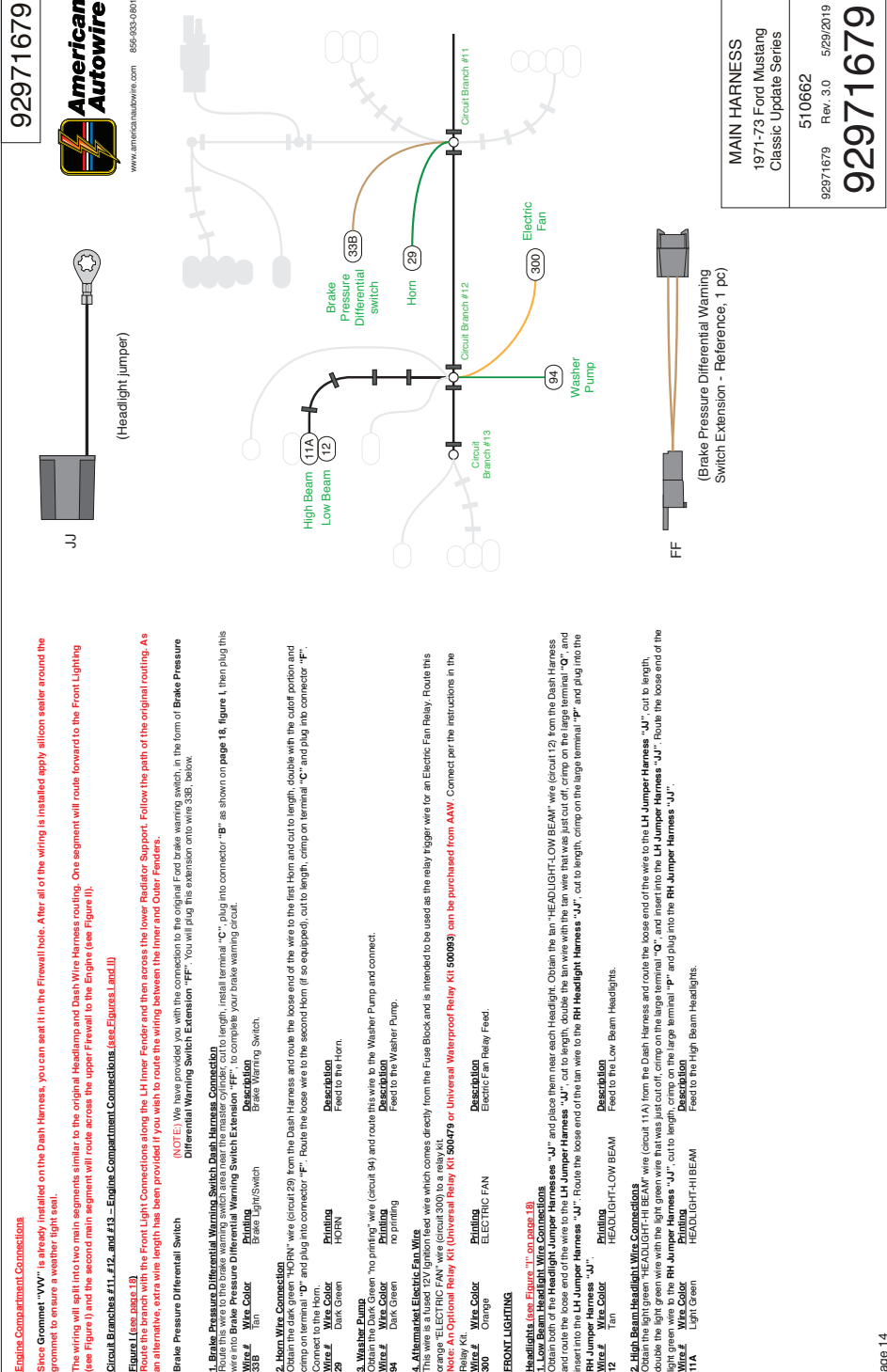
2. Horn Wire Connection
 Obtain the dark green "HORN" wire (circuit 29) from the Dash Harness and route the loose end of the wire to the first Horn and out to length, double with the cutoff portion and crimp on terminal "D" and plug into connector "F". Route the loose wire to the second Horn (if so equipped), cut to length, crimp on terminal "C" and plug into connector "F".
Wire # Wire Color
 29 Dark Green
Printing Horn

3. Washer Pump
 Obtain the Dark Green "no printing" wire (circuit 94) and route this wire to the Washer Pump and connect.
Wire # Wire Color
 94 Dark Green
Printing no printing

4. Alternamark Electric Fan Wire
 This wire is a used 12V ignition feed wire which comes directly from the Fuse Block and is intended to be used as the relay trigger wire for an Electric Fan Relay. Route this orange "ELECTRIC FAN" wire (circuit 300) to a relay kit.
Wire # Wire Color
 300 Orange
Printing ELECTRIC FAN

FRONT LIGHTING
Headlights (See Figure 1, on page 18)
 Obtain both of the Headlight Jumper Harnesses "JU" and place them near each Headlight. Obtain the tan "HEADLIGHT-LOW BEAM" wire (circuit 12) from the Dash Harness and route the loose end of the wire to the LH Jumper Harness "JU", cut to length, double the tan wire with the tan wire that was just cut off, crimp on the large terminal "O", and insert into the LH Jumper Harness "JU". Route the loose end of the tan wire to the RH Headlight Harness "JU", cut to length, crimp on the large terminal "P" and plug into the RH Jumper Harness "JU".
Wire # Wire Color
 12 Tan
Printing HEADLIGHT-LOW BEAM

2. High Beam Headlight Wire Connections
 Obtain the light green wire with the light green wire that was just cut off, crimp on the large terminal "O", and insert into the LH Jumper Harness "JU", cut to length, double the light green wire with the light green wire that was just cut off, crimp on the large terminal "O", and insert into the LH Jumper Harness "JU". Route the loose end of the light green wire to the RH Jumper Harness "JU". Route the loose end of the light green wire to the RH Jumper Harness "JU".
Wire # Wire Color
 11A Light Green
Printing HEADLIGHT-HI BEAM



(Brake Pressure Differential Warning Switch Extension - Reference, 1 pc)

FF

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Figure 1 (continued, see page 18)

3. Headlight Ground Wire
 Obtain the black ground wire from each of the Headlight Jumper Harnesses "J", and attach each ring terminal to a good vehicle ground near each headlight.

Park/Turn and Side Marker Lights (see Figure 17 on page 18)

For the 1971-72 vehicles the Park/Turn Lights are below the Front Bumper. You will use your original Park/Turn Light Socket and Pigtail Assemblies but will have to replace the original 3-way modded pigtail connector with a 3-way connector "H" and terminals "J". Cut the original modded connector from the Park/Turn Light pigtail and crimp on terminal "J" to each wire. Plug these "J" terminals into the 3-way connector "H".

For the 1973 vehicles, the Park/Turn Lights are the Grille Lights in the Grille. Obtain the Front Park/Turn & Grille Light Jumper Harnesses "GG", (add a #1157 bulb not included in kit) and plug the Jumper Harness "GG" into the Park/Turn Light Housing.

Note that the wire function/color are as follows:

LH Turn Signal – green/white (Ford) to light blue (AAW).
 LH Turn Signal – green/white (Ford) to light blue (AAW).
 Park Lights – black/yellow (Ford) to brown (AAW).
 Ground – black (Ford) to black (AAW)

1. Side Marker Light/Park Light Wire Connections – Feed

For the Side Marker Light connections, obtain both of the Front Side Marker Jumper Harnesses "HH" and place them in vehicle position. Obtain the brown "PARK LIGHTS" wire (circuit 9) from the Main Dash Harness and route the loose end of this wire to the LH Side Marker Jumper Harness "HH", cut to length and double this wire with the cutoff portion of the brown wire. Crimp on terminal "W" and plug into the LH Side Marker Jumper Harness "HH".

Route the loose brown wire to the LH Park/Turn Signal Light pigtail. Cut to length, double this wire with the cutoff portion of the brown wire and crimp on terminal "D". Plug terminal "D" into the 3-way connector "N".

Route the cutoff portion of the brown wire to the RH Park/Turn Signal Light pigtail. Cut to length, double with the cutoff portion and crimp on terminal "D". Plug terminal "D" into the other 3-way connector "N". Route the loose brown wire to the RH Front Side Marker Jumper Harness "HH", crimp on terminal "L", and plug into the RH Side Marker Jumper Harness "HH".

Wire # Wire Color Description

9 Brown PARK LIGHTS Side Marker and Park Lights feed

2. Side Marker Light/Park Light Wire Connections – Ground

Obtain the black "GROUND" wire that is part of the LH Side Marker Jumper Harness "HH", and route the wire to the LH Park/Turn Light pigtail and out to length. Ground the ring terminal end of the black wire that you just cut to a good vehicle ground. Route the loose end to the LH Park/Turn Light pigtail, cut to length, double this wire with the other black wire, crimp on terminal "D" and plug into connector "N". Repeat this process for the RH Side Marker and RH Park/Turn Light pigtail.

3. LH Turn Signal Light Wire Connections

Obtain the light blue "LEFT FRONT TURN" wire (circuit 14A) from the Dash Harness and route the loose end of the wire to the LH Park/Turn Signal Light pigtail and out to length, crimp on terminal "C" and insert into connector "N".

14A Light Blue LEFT FRONT TURN Feed to the LH Front Turn Signal Light.

4. RH Turn Signal Light Wire Connections

Obtain the dark blue "RIGHT FRONT TURN" wire (circuit 15A) from the Dash Harness and route the loose end of the wire to the RH Park/Turn Signal Light pigtail and out to length, crimp on terminal "C" and insert into connector "N".

15A Dark Blue RIGHT FRONT TURN Feed to the RH Front Turn Signal Light.

Grille Lights (see Figure 17 on page 18)

For the 1971-72 vehicles, the Grille Lights are the Park/Turn Lights (already covered above).

For the 1971-72 vehicles, the Grille Lights act as running lights and are on when the Headlight Switch is on (see below).
 When you use the Jumper Harness "GG" for the Park/Turn Lights, you will install a #1157 bulb. When you use Jumper Harness "GG" for the Grille Lights, you will install a #64 bulb; neither bulb is included in the kit.

1. Grille Lights

Obtain the Front Park/Turn & Grille Light Jumper Harnesses "GG", (requires a #64 Bulb which is not included in this kit) and plug both of the Jumper Harness "GG" into the Grille Light Housing. Obtain the red "no printing" wire (circuit 10A) and route this wire to the LH Jumper Harness "GG". Cut to length and double this wire with the cutoff portion, crimp on terminal "D" and plug into connector "N". Route the loose red wire to the RH Jumper Harness "GG", cut to length and double this wire with the cutoff portion, crimp on terminal "D" and plug into connector "N".

Obtain the black "GROUND" wire that is part of the LH Grille Light Jumper Harness "GG", and route the wire to the LH Grille Light pigtail and out to length. Ground the ring terminal end of the black wire that you just cut to a good vehicle ground. Route the loose end to the LH Grille Light pigtail, cut to length, crimp on terminal "C", and plug into the LH connector "N", cut to length, crimp on terminal "C". Plug into the connector "N".

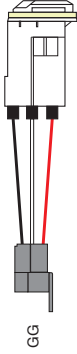
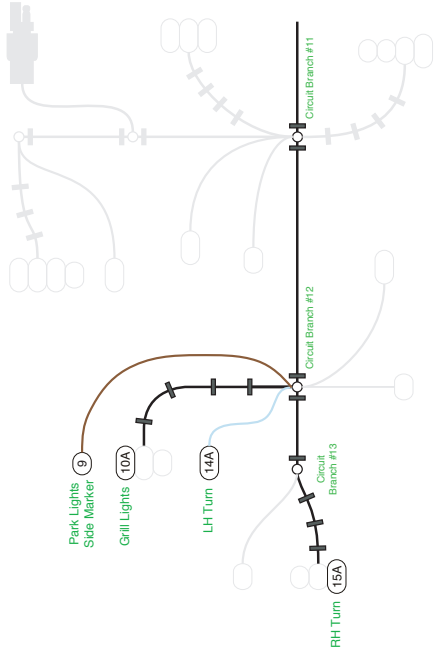
Repeat this process for the RH Grille Light Assembly.

Note: The black wire in the Front Park/Turn & Grille Light Jumper Harness "GG" is not connected for this application.

10A Black no printing Feed to the Grille Lights.

156P White no printing Ground for the Grille Lights.

1560 White no printing Ground for the Grille Lights.



(Park, Turn and Grille Light Jumper)



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(Front Side Marker jumper)



(Grille Light Ground Wire)

Figure 11 (See Page 13)
 Route the wiring across the Cowp Top to the center of the upper Firewall. Also route the Starter Solenoid Wiring together with the Front Lighting Wiring. This is the same routing as the original Headlamp and Dash Wiring.

Backup and Neutral Safety Switch Connections (See Figure 11 on Page 13)
 If you have a vehicle with an Automatic Transmission where the Back-up Light Switch and the Neutral Safety Switch are inside the vehicle on the Shifter, you will have to route the four wires (6, 6, 24, and 39A) to the Shifter and connect.

1. Backup Light and Neutral Safety Switch Connections
 For both a Manual Transmission and an Automatic Transmission, route the light green Backup Light Switch wire (circuit 24) and the pink 12 Volt Ignition wire (circuit 39A) to the Backup Light Switch and connect. Polarity doesn't matter.

If you have a Manual Transmission, you will need to connect the purple Neutral Safety Switch wire (circuit 5) and the purple Starter Solenoid wire (circuit 6) together. Backup Light Switch wire (circuit 24) and the purple Starter Solenoid wire (circuit 6) to the Neutral Safety Switch and connect.

Wire #	Wire Color	Printing	Description
5	Purple	NEUTRAL SAFETY SWITCH	Start lead from the Ignition Switch to the Neutral Safety Switch or to circuit 6.
6	Purple	STARTER SOLENOID	Start lead from the Ignition Switch to the Starter Solenoid.
24	Light Green	BACK-UP LIGHT SW->LIGHTS	Feed from the Backup Light Switch to the Backup Lights.
39A	Pink	12V IGNITION	12V feed to the Backup Light Switch.

2. Electric Speedometer (optional)
NOTE: If you are using an Aftermarket Electric Speedometer
 Obtain the purple/white VSS POWER wire (circuit 402), the purple VSS SIGNAL wire (circuit 400) and the yellow VSS GROUND wire (circuit 400) and route these three wires to the Vehicle Speed Sensor and connect the purple/white wire to the VSS power lead, the purple wire to the VSS signal lead, and the yellow wire to the VSS ground lead.

Wire #	Wire Color	Printing	Description
400	Yellow	VSS GROUND	Vehicle Speed Sensor Ground.
402	Purple/White	VSS POWER	Vehicle Speed Sensor Power.

3. Wiper Motor Connector
 Plug this 4-way connector to the Wiper Motor Pigtail.

ENGINE CONNECTIONS (See Figure 11 on Page 13)
1. Electric Choke
 Obtain the tan ELECTRIC CHOKE wire (circuit 390) and route this wire to the Electric Choke and connect. Cut to length, crimp on terminal "C" and insert into connector "B".

Wire #	Wire Color	Printing	Description
390	Tan	ELECTRIC CHOKE	Feed to the Electric Choke.

2. Engine Sensors
 Route the dark blue OIL PRESSURE SENDER wire (circuit 31A) to the Oil Pressure Sender, and the dark green WATER TEMP SENDER wire (circuit 35A) to the Water Temperature Sender. Cut to length, crimp on terminal "P" first if using "U". If you are using terminal "C", plug it into connector "P".

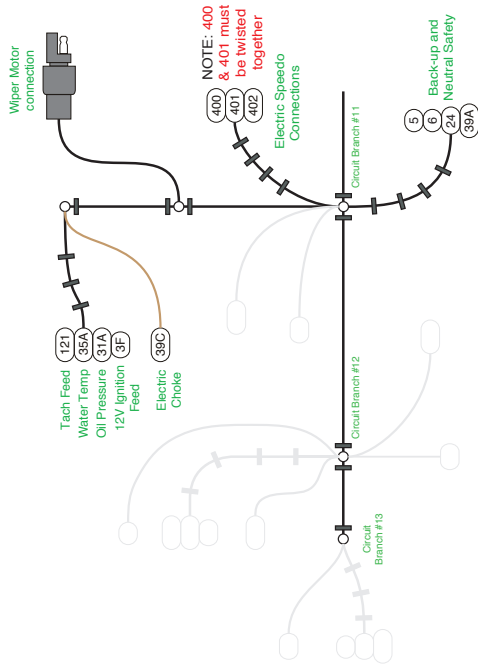
Wire #	Wire Color	Printing	Description
31A	Dark Blue	OIL PRESSURE SENDER	Oil Pressure Sender.
35A	Dark Green	WATER TEMP SENDER	Water Temperature Sender.

3. Ignition Feed
 This pink IGNITION FEED-COIL wire (circuit 3F) is the 12V switched power source for the Distributor/Ignition Coil. This wire can be connected directly to the "Bat" terminal on a typical HEI Distributor, to a Ballast Resistor for a points type Distributor, or to be used as the ignition power source for an Aftermarket Ignition Module such as an MSD or a "Dura Spark" module. See the installation instructions for the type of Distributor/Ignition Module you are using for specific connection requirements.

Wire #	Wire Color	Printing	Description
3F	Pink	IGNITION FEED-COIL	Switched 12V Ignition feed for the ignition.

4. Tachometer
NOTE: This wire is only used if you have an Aftermarket Tachometer.
 Obtain the white COIL->TACH wire (circuit 121) and route and connect as follows:
 If you have an Aftermarket Ignition Module such as an MSD Module, route the white wire to the module and connect to the Tachometer connection of the module.
 If you are using a GM style HEI Distributor, terminal "C" and connector "W" have been provided to make the connection.
 If you have a points type Ignition System, route the white wire to the Ignition Coil and connect to the (c) terminal.

Wire #	Wire Color	Printing	Description
121	White	COIL->TACH	Tachometer lead wire.



NOTE: 400 & 401 must be twisted together

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Figure 11 (continued, see page 19)
STARTER SOLENOID CONNECTIONS (see Figure 11 on page 19)
 Route the red 12V Battery wire (Circuit 2A) which is in the Dash Harness, to the Megafuse (see Figure A on page 19) and cut to length. Use ring terminal and shrink tubing from 510476 kit. Connect as shown on page 19.

Wire #	Wire Color	Pinning	Description
2A	Red	12V BATTERY	Main Power feed to the Fuse Block.

2. Start Circuit Solenoid Wire
 Route the purple "STARTER SOLENOID - S" wire (Circuit 6) to the Starter Solenoid and cut to length. Install large sleeve "E" and crimp on ring terminal "S". Connect to the Starter Solenoid S (term) stud.

Wire #	Wire Color	Pinning	Description
6	Purple	STARTER SOLENOID-S	This is the start circuit.

Start Circuit Resistor Bypass Wire
NOTE: For Ignition Systems that have a Ballast Resistor in the Ignition Coil, this wire bypasses that resistor during Crank allowing a higher voltage.
 Obtain the yellow Starter Solenoid Resistor Bypass Wiring Jumper Harness "LL" and attach the ring terminal to the "I" (ignition bypass) terminal of the Starter Solenoid. Route the other end of the yellow wire to the Ballast Resistor and cut to length. Obtain the cutoff section of the large pink wire (Circuit 3F from Circuit Branch #1, step 7) and double it with the yellow wire, crimp on terminal "DP" and insert into connector "B". You can now connect to the Ballast Resistor. The other end of the large pink wire can be routed and connected to the (+) side of your Ignition Coil.

Wire #	Wire Color	Pinning	Description
7	Yellow	STARTER SOLENOID-R	Resistor Bypass Wire.

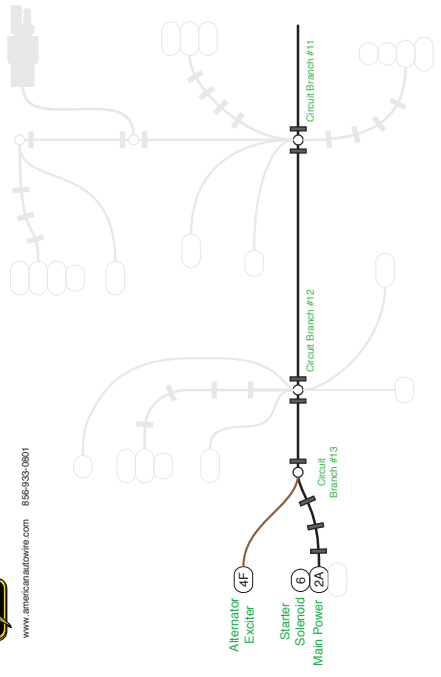
Alternator Connections (see Figure 11 on page 19)
Alternator Output Circuit
 Use the egg red wire, Megafuse, boot, ring terminals, and shrink tube from the 510476 kit. Route from the Megafuse to the alternator cut to length and apply ring terminals, shrink tube, boot then connect per the instructions in the 510476 Alternator and Main Power Connection kit.

Wire #	Wire Color	Pinning	Description
2	Red	no pinning	Alternator output wire (from 510476 kit).

3. Alternator Exciter Wire
NOTE: This brown wire is only used if you have an Aftermarket Alternator with an Internal Voltage Regulator. This is the exciter wire for your Alternator/Voltage Regulator.
 If you are using a 1-wire Alternator (recommended) this brown wire will not be used and should be capped off as it is "hot" when the Ignition Switch is in the "ON" or "ACC" position.
 If not using a 1-wire Alternator, this brown "ALTERNATOR IGN" wire (Circuit 4F) in your Dash Harness must be connected to the "Switched or 12V Ignition" terminal on your Voltage Regulator or Alternator according to the manufacturer's specifications. An inline diode or resistor may be necessary to eliminate "run on" after being switched off. AAW recommends a Ford Gen 3 Internally Regulated or a 1-wire Alternator.

If you are using a GM "SI" Alternator obtain the GM "SI" Alternator Exciter Wiring Jumper Harness "NN", route the ring terminal end of the Jumper Harness "NN" through the alternator bootfound in the 510476 kit (see Figure A on page 19), and attach it to the Battery stud of the Alternator. Route the brown wire (Circuit 4F) from the Dash Harness to the 2-way connector of the Jumper Harness "NN". Crimp on terminal "C" to the brown wire and plug into the open cavity of the 2-way connector of the Jumper Harness "NN". Now plug the 2-way connector of the "NN" Jumper Harness into the "SI" Alternator. See the connection instructions on page 19, figure 11.

Wire #	Wire Color	Pinning	Description
2L	Red	no pinning	Alternator Battery stud wire in the GM "SI" Alternator Exciter Wiring Jumper Harness.
4F	Brown	ALTERNATOR IGN	Alternator exciter wire.



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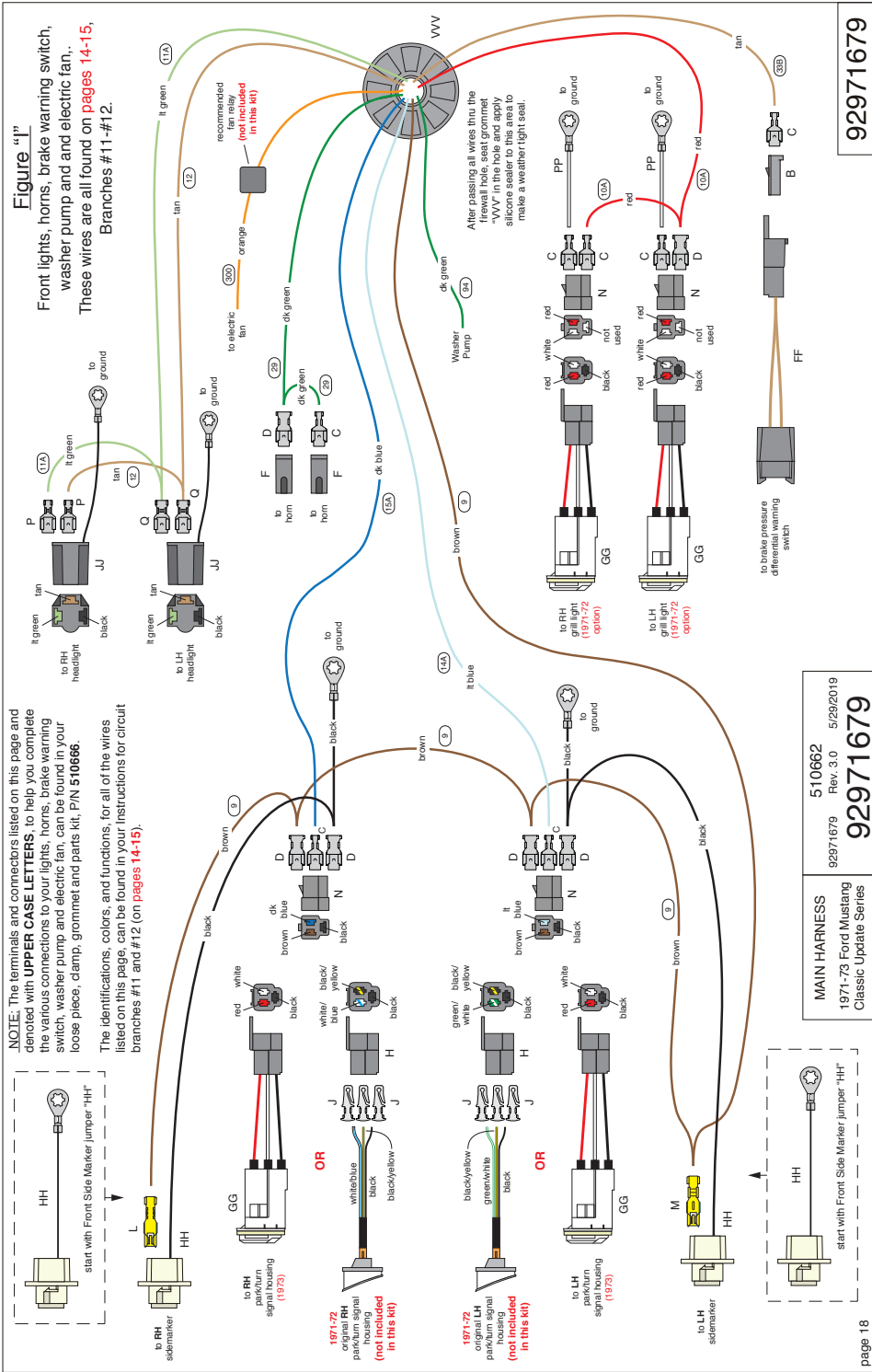


Figure 11'

Front lights, horns, brake warning switch, washer pump and electric fan. These wires are all found on pages 14-15, Branches #11-#12.

NOTE: The terminals and connectors listed on this page and denoted with **UPPER CASE LETTERS**, to help you complete the various connections to your lights, horns, brake warning switch, washer pump and electric fan, can be found in your loose piece, clamp, grommet and parts kit, P/N 510666. The identifications, colors, and functions, for all of the wires listed on this page, can be found in your instructions for circuit branches #11 and #12 (on pages 14-15).

After passing all wires thru the "WVW" in the hole and apply silicone sealer to this area to make a weather tight seal.

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Figure "A"
Main Power and Alternator Wiring

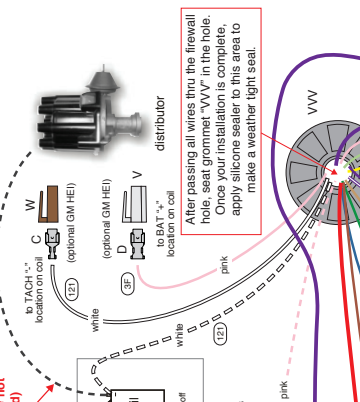


Figure "B"
Ignition, engine sensors, electric choke, tachometer, electric speedometer, alternator, back-up switch and NSS

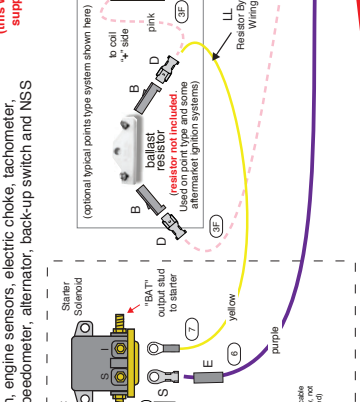
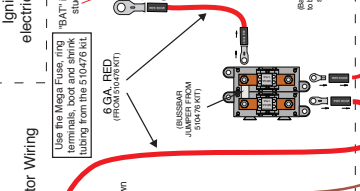


Figure "C"
Temperature Sending Unit

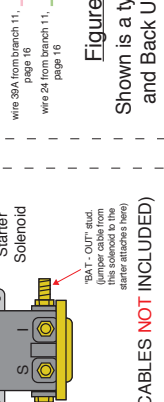
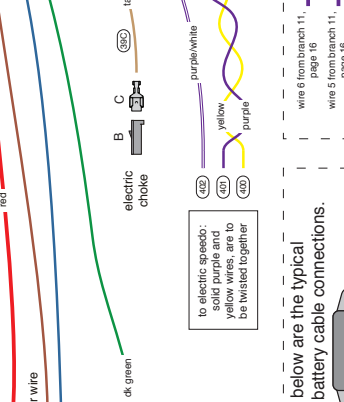
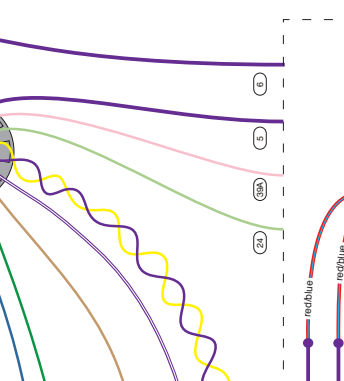


NOTE: The terminals and connectors listed on this page and denoted with **UPPER CASE LETTERS**, to help you complete the various connections to your ignition feed, engine sensors, speedometer, tachometer, electric back-up switch and NSS, can be found in your loose piece, clamp, grommet and parts kit, **510666**, and alternator and main power kit **510476**.

The identifications, colors, and functions, for all of the wires listed in Figure "A" and Figure "B", on this page, can be found on **pages 16 and 17**, branches #11 and #13, of this instruction set.

AAW kits are all engineered to be used in conjunction with a high output, later model internally regulated, or one wire alternators. We do not suggest or support the use of a stock, low amperage generator or alternator, as they do not supply sufficient current to recharge the battery in a highly modified car such as this kit was designed for. AAW suggests a Ford Gen III (3G), a GM "SI", or a 1 wire type alternator as good choices to use. An adapter to complete the connection to the Ford Gen III (3G) style alternator (AAW p/n 500802) may be purchased separately. Contact AAW for your needs.

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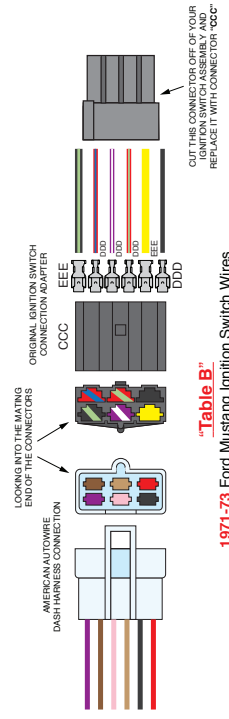
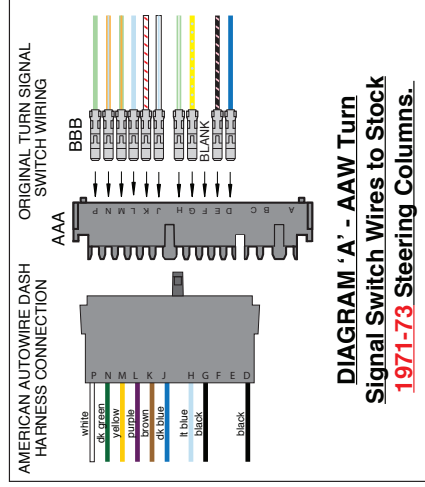
"Table A"

AAW Turn Signal Switch wires to stock 1971-73 Ford Mustang Turn Signal Switch

AAW Wire #	AAW Wire Color	AAW Wire Printing	Connector Cavity	AAW Connector	Ford Turn Signal Switch Wire Color
17	White	Brake SW	P		Light Green
19	Dark Green	Right Rear Turn	N		Orange/Lt Blue
18	Yellow	Left Rear Turn	M		Lt Green/Orange
16	Purple	Turn Switch Feed	L		Lt Blue
27	Brown	Turn SW - Hazard	K		White/Red
15, 15A	Dark Blue	Right Front Turn	J		White/Lt Blue
14, 14A	Light Blue	Left Front Turn	H		Light Green/White (thin)
28	Black	Horn Relay Ground	G		Yellow/Lt Blue
None	None	None	F		None
None	None	None	E		Black/Pink
28A	Black	Horn Relay Ground (from Horn Switch)	D		Dark Blue

Note: Remove the original Turn Signal Switch Connector and replace it with the AAW 14-way connector "AAA". Crimp on terminal "BBB" to each of the original Turn Signal Switch wires and plug them into connector "AAA" (see Parts Kit 92971684). Use "Table A" above to align the wires. Also, for all of the vehicles, the original design had the Steering Wheel Horn Button switching power for the Horns. With the AAW design, the Horn Button switches the ground wire of the Horn Relay coil.

Note: The Black/Pink Ford wire is for the Key-in Ignition Warning Buzzer and is not used. It can be installed in cavity E or taped back.



"Table B"

1971-73 Ford Mustang Ignition Switch Wires

AAW Wire #	AAW Wire Color	AAW Wire Printing	Wire Description	Ford Wire Color
5	Purple	NEUTRAL SAFETY SWITCH	Start	Red/Blue (thin)
4A, E	Brown (double)	IGNITION SW ACCY	12V Accessory Feed	Black/Lt Green (thick)
3E	Pink	12V IGNITION	12V Ignition Feed	Red/Lt Green (thin)
33C, D	Tan	BRAKE LIGHT SWITCH	Brake Light Prove-out	Purple/White (thin)
150M, N	Black (double)	GROUND	Ground	Black (thin)
2B	Red	12V BATTERY	12V Battery Feed	Yellow (thick)

Note: Be sure to align the Ford wire with the corresponding AAW wire in the 6-way connector "CCC". Crimp on terminal "DDD" for the thinner wires and terminal "EEE" for the thicker wires (see Parts Kit 92971684). The additional thin red/white wire in the original stock Ignition Switch Connector pigtail was used as a Water Temperature light bulb prove-out circuit and will not be used and should be taped back.



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