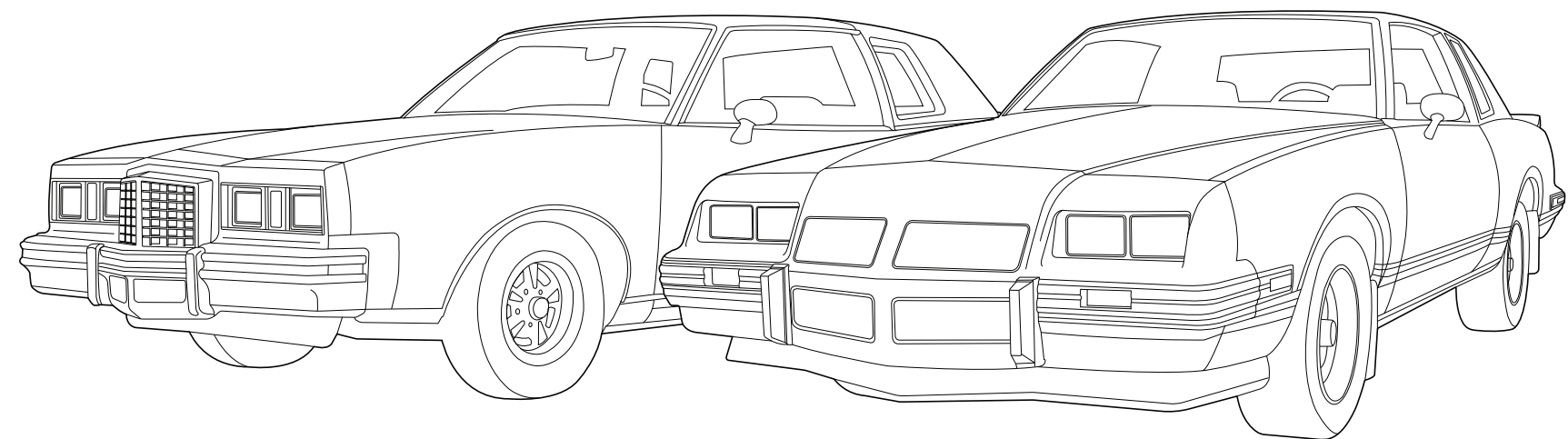




WARNING:
Validate the kit contents with the component list included on this page, before proceeding. This kit is intended to be used in a modified vehicle. Please read this page thoroughly and be sure that you understand everything explained on it prior to opening any of the enclosed packages, or before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

This kit DOES NOT:

- Include the wiring for the factory original A/C or heater systems. We have provided a keyed 12v power source for you to connect to your original, or other aftermarket heat or A/C system.
- Support factory-original engine management equipment (ECU's, Computers, etc.) or diesel engines. An aftermarket, stand-alone engine management harness will be necessary for fuel injection.
- Include wiring or support for factory emissions equipment or electronics. These harnesses are not included or addressed by this kit.
- Include an ignition switch as it is wired for a factory column mounted switch.
- Include a dimmer switch. It is wired for a factory column mounted switch.
- Include adapters for later model ('86+) alternators. An SI-series alternator connector is included, and adapters for other alternators can be purchased separately.
- Include wiring for power windows or door locks. We have provided a keyed 12v power source for you to connect to your original, or other aftermarket power window / door lock harnesses



This kit contains the following components:

<u>Bag</u>	<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
	500707	Fuse, Relay, and Flasher kit	1
	500919	Practice Terminal Crimping Set	1
G	510927	Dash Harness kit	1
H	510983	Instrument Cluster wiring kit	1
J	510929	Engine Wiring Kit	1
L	510984	Front Light Wiring kit	1
M	510985	Rear Body Wiring kit	1
N	500708	Courtesy Lamp Kit	1
P	510986	Dash Parts Kit	1
V	510730	VSS Connection Kit	1
Z	510476	Alternator and Main Power Conn kit	1
	92974734	Main Instruction Set	1

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



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510982

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START HERE !

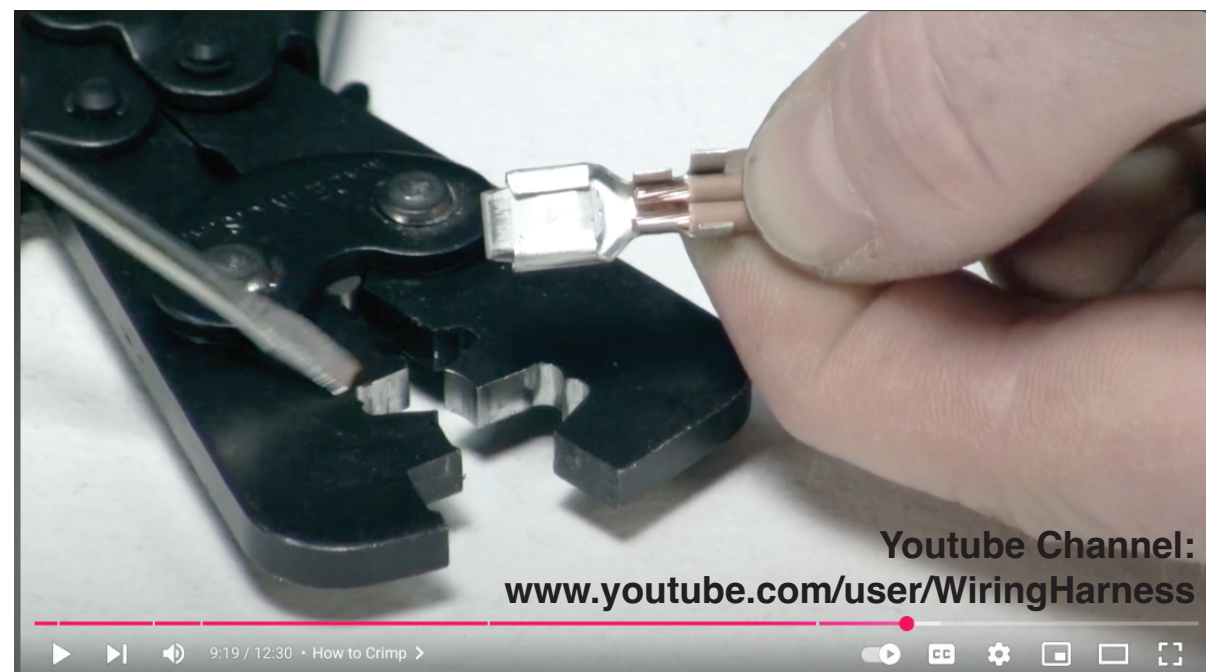
PLEASE READ THIS BEFORE STARTING INSTALLATION !

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



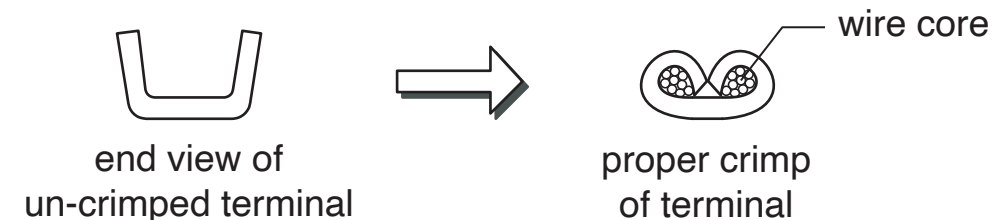
AAW offers a great terminal crimping video entitled “2015 Crimp Tool Video”. It can be viewed by visiting YouTube.

Type the following address into your web browser, to go directly to the video:
www.youtube.com/watch?v=JAgEDoVI-co



If you have any questions concerning this or any of our products, please feel free to call us at:
1-800-482-9473

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

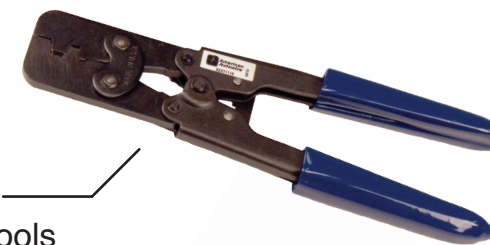


We carry the following crimping hand tools, to help with your terminal crimping. These hand tools are available, for purchase or rental.

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



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



p/n 510587

Includes Both
terminal crimping tools



“SI” series alternator to
“CS” series alternator
conversion kit p/n 37796



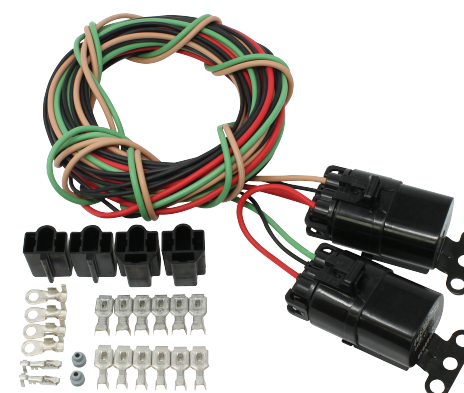
“SI” series alternator to
“CS” series alternator
conversion kit p/n 500295



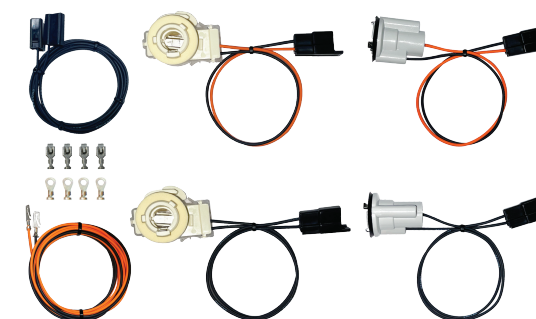
Split braid wire covering
multiple sizes
SEE WEBSITE



Universal 40 amp relay kit
p/n 500479



Headlamp Enhancement
Relay Kit p/n 500431



Cornering Lamp Kit
p/n 510975



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

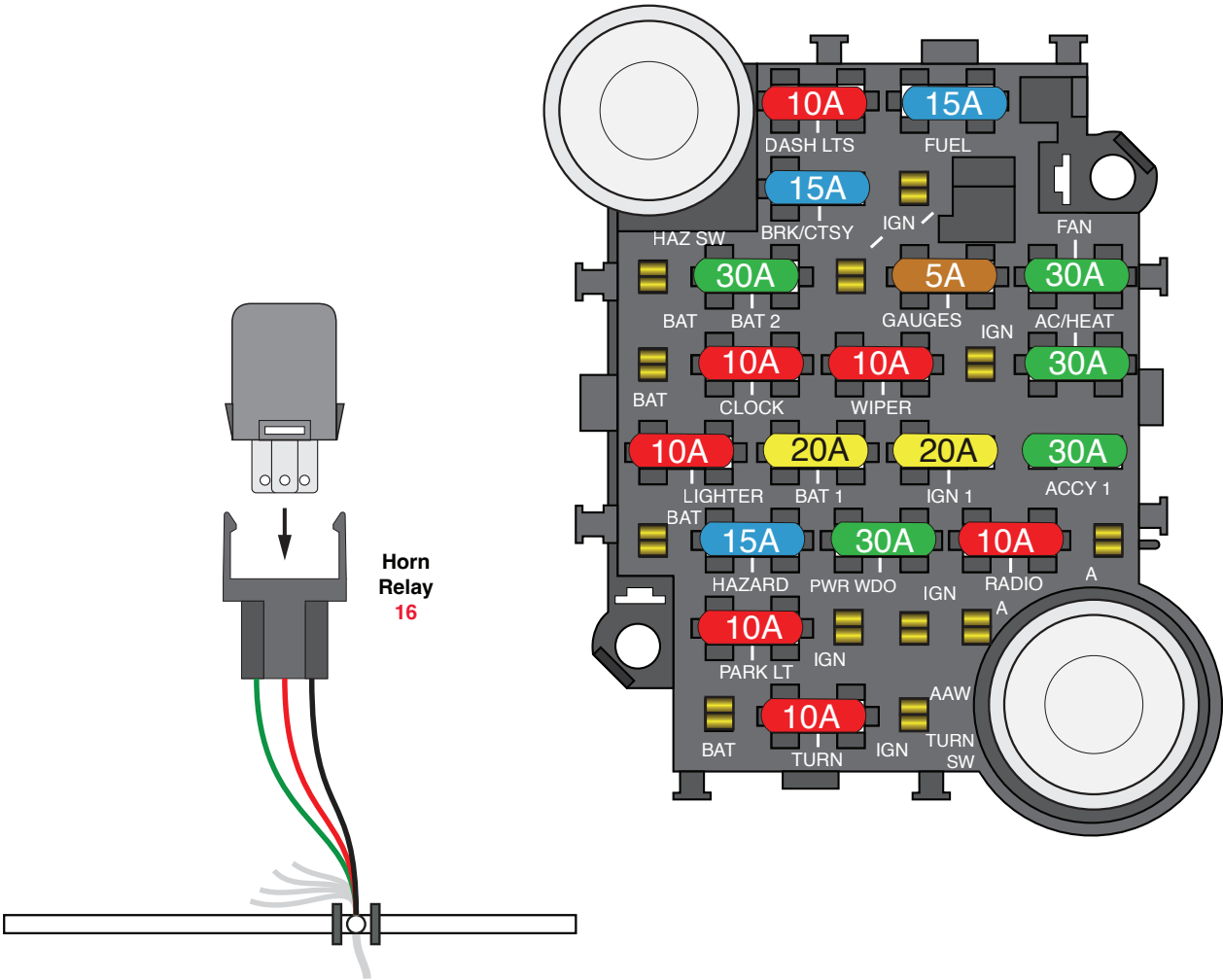
STEP 2: START INSTALLING KIT:
This kit is broken down into individual sections, that are identified by a letter printed on the enclosed sheets, visible through each bag. The order of installation and the pages with their installation instructions, are shown below:

Table of Contents:

Bags:	Pages:	Sections:
G	4 - 14	Dash Harness - This is the main harness in the kit and contains: - Steering column connections. - Radio connections - Brake light switch connection. - Heater connection. - Dash component lamps. - Underdash Courtesy Lights.
H	15 - 17	Gauge Cluster Harness - This Harness contains: - Gauge connections for aftermarket and factory gauges.
J	18 - 24	Engine Harness - This Harness contains: - Temperature, oil pressure, tachometer wiring. - Ignition system / ECU power. - Alternator connections. - Windshield wiper motor connections.
L	25 - 27	Front Light Harness - This Harness contains: - Headlight, turn signal, running light connections. - Electric fan relay trigger. - Brake fluid level wiring.
M	28 - 31	Rear Body Harness - This Harness contains: - Tail light, turn signal, reverse light, and running light connections. - Fuel sending unit connections. - Dome and courtesy lamp connections.

PLEASE READ THIS HELPFUL INSTALLATION TIP
BEFORE GOING ANY FURTHER!

Prior to installing the Dash/Main harness in your dashboard, plug the fuses, hazard and turn flashers from the 500707 Fuse, Flasher, and Relay Kit into the Fuse Block (see detailed picture below). Also plug the horn relay into connector #16 on the dash harness as shown below (see pages 4 and 10 for location of connector #16).



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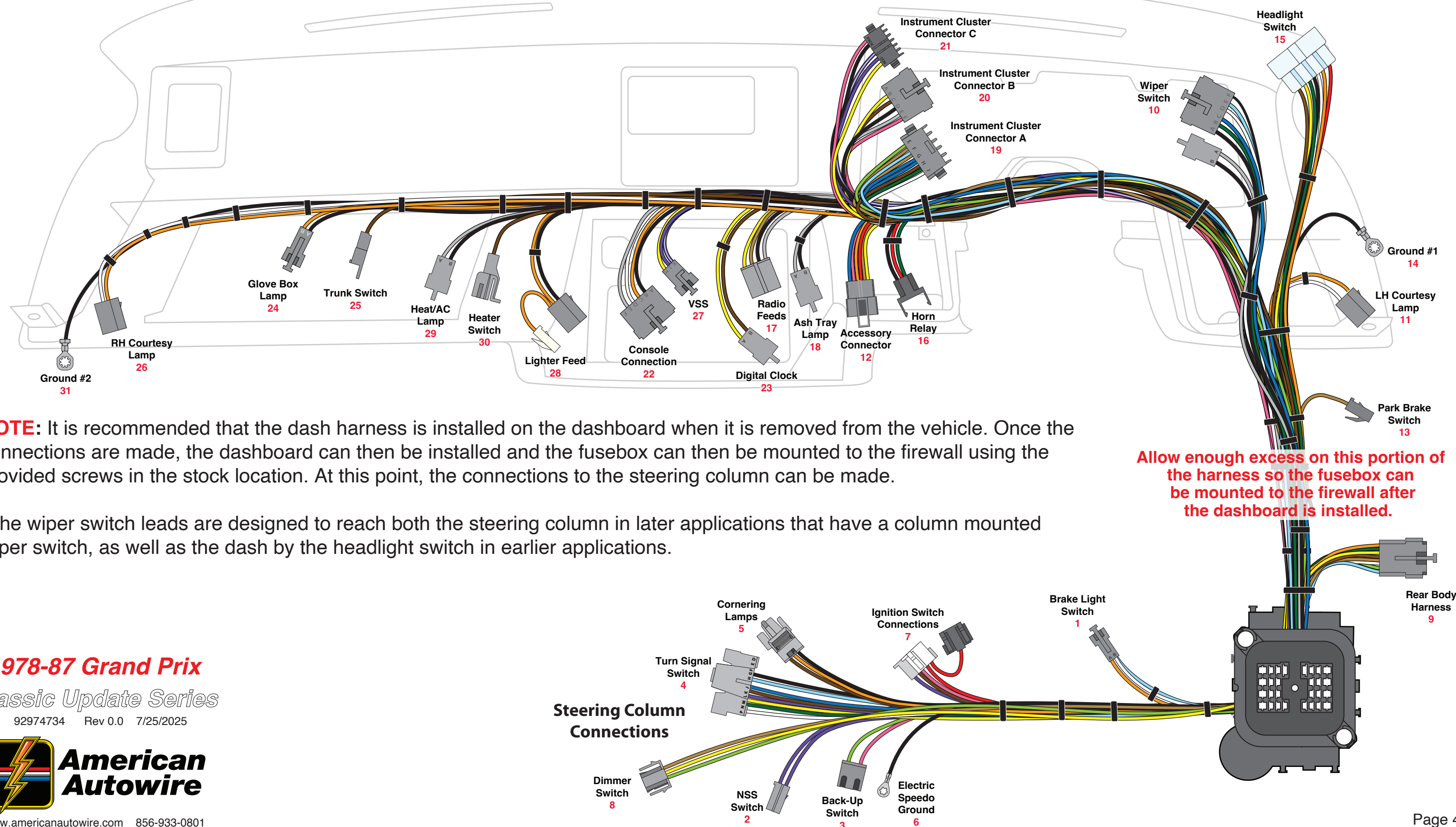
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Typical Harness Layout on Dashboard

(Early Monte Carlo dashboard shown)



NOTE: It is recommended that the dash harness is installed on the dashboard when it is removed from the vehicle. Once the connections are made, the dashboard can then be installed and the fusebox can then be mounted to the firewall using the provided screws in the stock location. At this point, the connections to the steering column can be made.

*The wiper switch leads are designed to reach both the steering column in later applications that have a column mounted wiper switch, as well as the dash by the headlight switch in earlier applications.

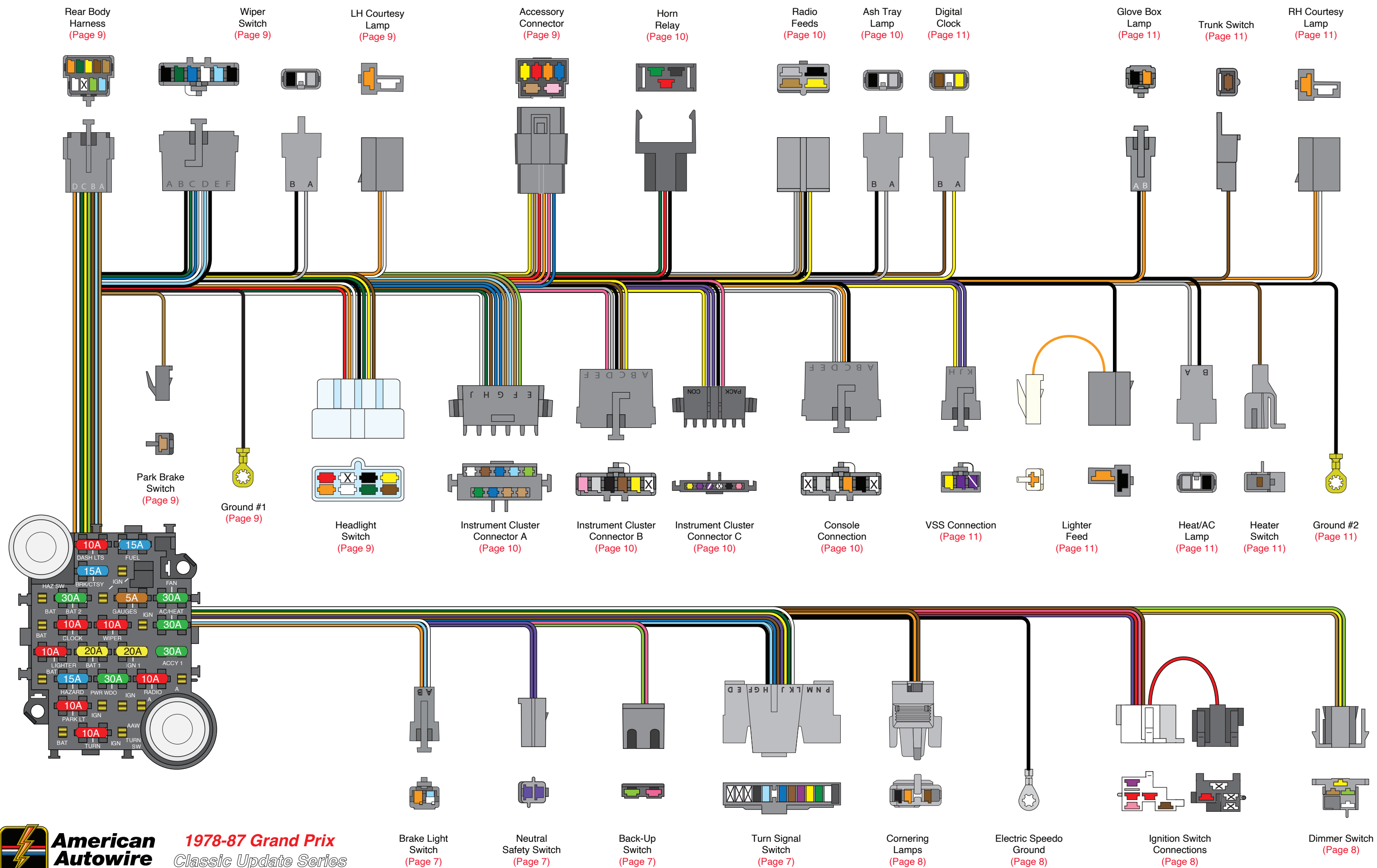
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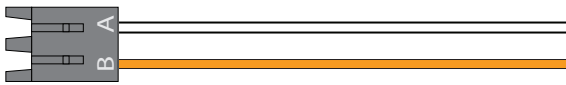
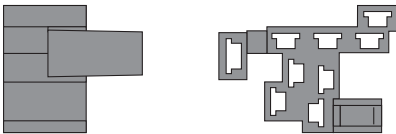
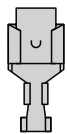
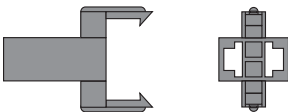
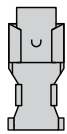
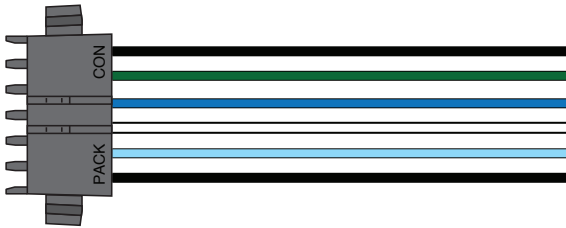
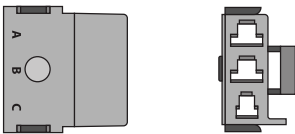
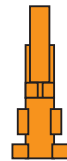
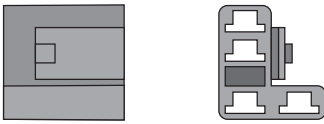
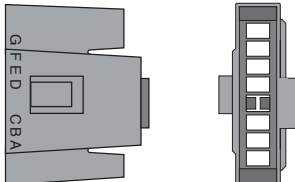
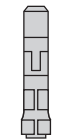
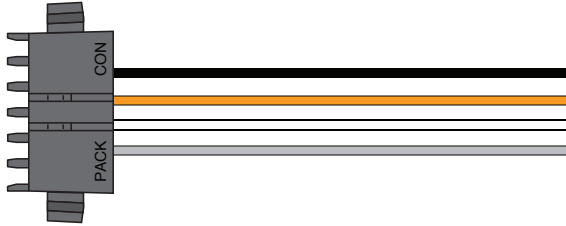
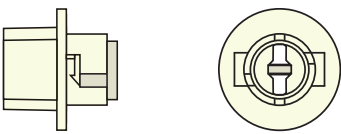
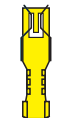
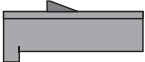
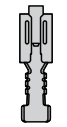
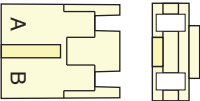
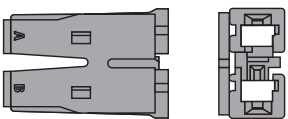
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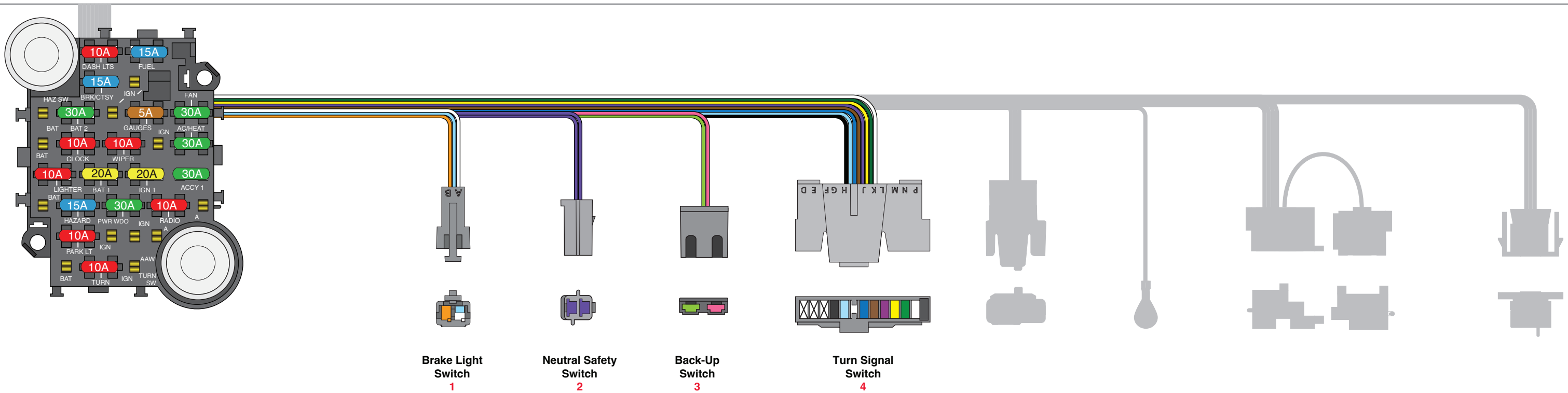
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Loose Piece pigtails, terminals and connectors from the Parts Kit 510994, Bag P.

A		Brake Switch Extension, 1 piece	K		Headlight Switch Connector, 1 piece	U		56 Series Female Terminal, 18g-14g, 15 pieces
B		Neutral Switch Extension, 1 piece	L		Brake Switch (Early) Connector, 1 piece	V		56 Series Female Terminal, 12g, 12 pieces
C		Wiper Switch Extension, 1 piece	M		Brake Switch (Late) Connector, 1 piece	W		Printed Circuit Board Terminal, 2 pieces
D		Headlight Switch Extension, 1 piece	N		Wiper Switch (Early) Connector, 1 piece	X		Pack-Con Female Terminal, 10 pieces
E		Radio Extension, 1 piece	P		Wiper Switch (Late) Connector, 1 piece	Y		Pack-Con Male Terminal, 4 pieces
F		Console Extension, 1 piece	Q		Lamp Socket, 2 pieces	Z		Bulb Wedge Terminal, 5 pieces
G		Dash Lamp Extension, 3 pieces	R		Trunk Release, NSS Connector, 3 pieces	AA		Female Metri-Pack Terminal, 3 pieces
J		Glovebox Lamp Extension, 1 piece	S		Pack-Con Male Connector, 1 piece	BB		Fuse Panel Screw, 2 pieces
			T		Glovebox Switch Connector, 1 piece			





1. Brake Light Switch - Plug the brake light switch pigtail extension “A” from page 6 into this connection. Use terminals “U”, and connector “L”, to complete the connection to your brake light switch for all 1978-86 models. Use terminals “AA”, and connector “M”, to complete the connection to your brake light switch for the 1987-88 Grand Prix models. See the detailed instructions on page 12.

Wire	Printing	Fuse	Description
ORANGE	BRAKE SW	BRK/CTSY 15A	Fused 12 volt BATTERY feed from fuse panel to brake light switch
WHITE	BRAKE SW	N/A	Switched output from brake light switch to turn signal switch
LT. BLUE	THIRD BRAKE LIGHT	N/A	Switched output from brake light switch to the rear body connector (this wire will not be used in all applications)

2. Neutral Safety Switch - This connection plugs into the factory steering column in vehicles with automatic transmission. This circuit prevents the vehicle from starting if not in Park or Neutral. For vehicles with a manual transmission, plug extension “B” into connection #2, and use terminals “V” and connectors “R” from page 6 to connect to the clutch pedal safety switch using the detailed instructions on page 13.

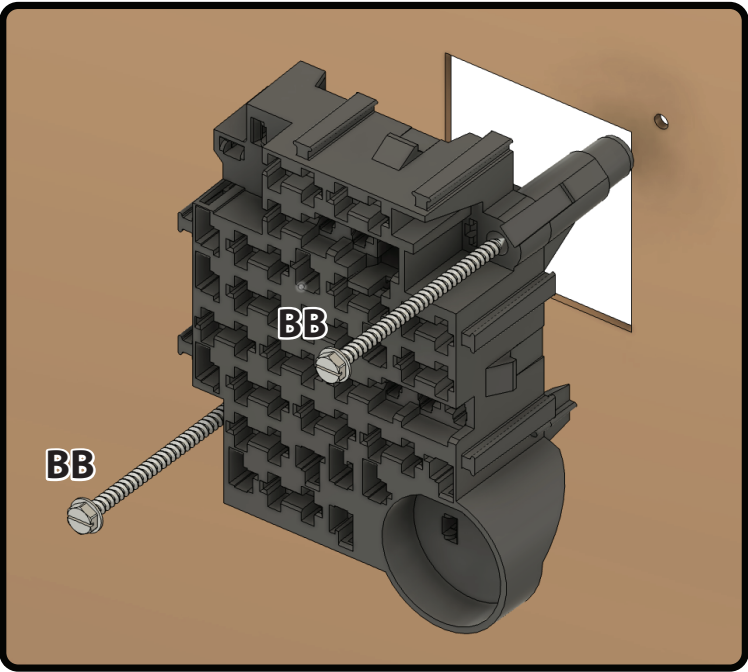
PURPLE	NEUTRAL SAFETY SWITCH	N/A	Momentary START feed from ignition switch to the neutral safety, or clutch pedal switches
PURPLE	STARTER SOLENOID - S	N/A	Output from neutral safety, or clutch pedal switches to the firewall bulkhead connector

3. Back-Up Switch - Plug this connection onto the back-up light switch located at the base of the steering column.

PINK	12V IGNITION	GAUGES 5A	Fused IGNITION feed from fuse panel to back-up light switch
LT. GREEN	BACK UP LT SW --> LIGHTS	N/A	Switched output from back-up switch to back-up lamps

4. Turn Signal Switch - The connector on this harness will mate directly to the 4 1/4” turn signal switch used by GM and many other aftermarket steering column manufacturers. It will plug directly into all 1978-88 GM G-Body models using a stock turn signal switch.

BLACK	HORN RELAY GROUND	N/A	Switched ground feed from the horn button to the horn relay
LT. BLUE	LEFT FRONT TURN	N/A	Left Front Turn output from turn signal switch to left front turn assembly
DK. BLUE	RIGHT FRONT TURN	N/A	Right Front Turn output from turn signal switch to right front turn assembly
BROWN	TURN SW - HAZARD	HAZARD 15A	Hazard Switch feed from hazard flasher to turn signal switch
PURPLE	TURN SWITCH FEED	TURN 10A	Turn Switch feed from turn signal flasher to turn signal switch
YELLOW	LEFT REAR TURN	N/A	Left Rear Turn output from turn signal switch to left rear turn assembly
GREEN	RIGHT REAR TURN	N/A	Right Rear Turn output from turn signal switch to right rear turn assembly
WHITE	BRAKE SW	N/A	Brake light feed from brake switch to turn signal switch



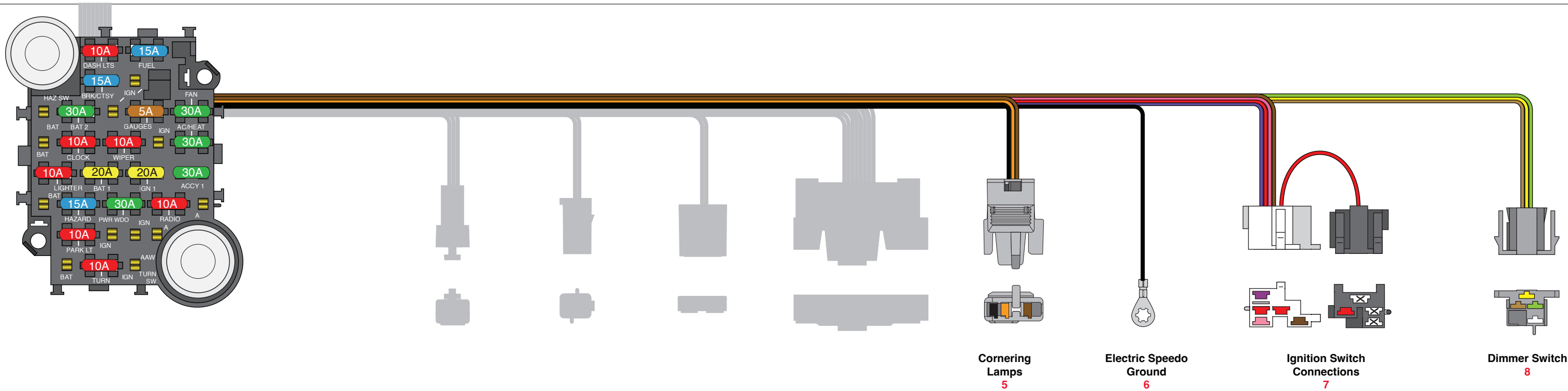
Install fusebox in the stock location using the supplied screws (BB)

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5. Cornering Lamps - This connection will connect to the factory cornering lamp harness connection located on the factory steering column. If the vehicle is not equipped with factory cornering lamps this connection will remain unplugged and can be tied back into the main harness.

BLACK	No Printing	N/A	Output to Cornering Lamps from Switch
ORANGE	No Printing	N/A	Output to Cornering Lamps from Switch
BROWN	No Printing	N/A	Park Lamp input signal from Headlight Switch to Cornering Lamp Switch

6. Electric Speedo Ground - This wire provides a dedicated ground circuit for the electric speedometer circuit in the instrument cluster connections. Attach this wire to a good ground point on the body, while making sure it is not shared with any other ground circuits to prevent interference.

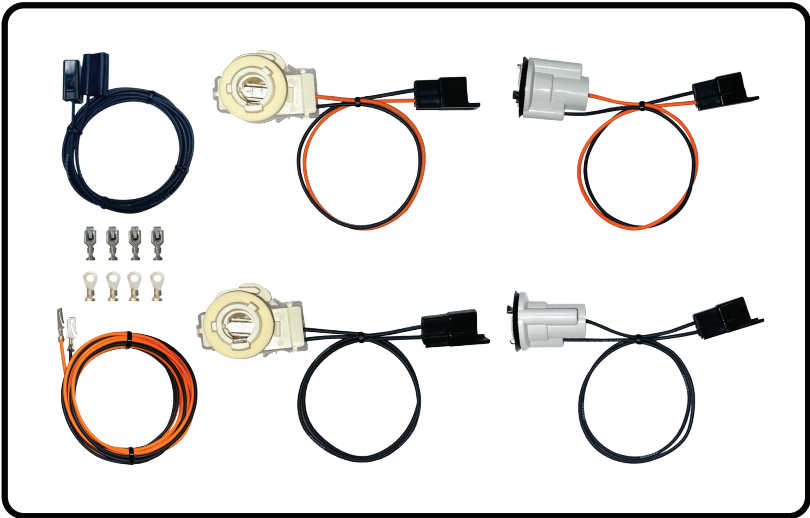
BLACK w/WHITE	SPEEDO GROUND	N/A	Dedicated ground for electric speedometer
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7. Ignition Switch Connections - These connections will plug directly into the factory GM column mounted ignition switch. If you have installed an aftermarket steering column, please check with the manufacturer for appropriate wiring to their switch.

RED	No Printing	N/A	Constant BATTERY feed to ignition switch
PINK	No Printing	N/A	Switched IGNITION feed from ignition switch to fuse panel and firewall bulkhead
BROWN	No Printing	N/A	Switched ACCESSORY feed from ignition switch to fuse panel
PURPLE	NEUTRAL SAFETY SWITCH	N/A	Momentary START feed from ignition switch to neutral safety switch/starter

8. Dimmer Switch - Plug this connection onto column mounted dimmer switch.

YELLOW	DIMMER SW FEED	N/A	Switched output from headlight switch to dimmer switch
LT. GREEN	HEADLIGHT - HI BEAM	N/A	Switched 12 volt output from dimmer switch to headlight high beam circuit
TAN	HEADLIGHT - LOW BEAM	N/A	Switched 12 volt output from dimmer switch to headlight low beam circuit



If your vehicle is equipped with OEM Cornering Lamps, additional items are required to complete those circuits. Part number 510975 is available separately at an additional cost.

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9. **Rear Body** - The 510985 Rear Body Harness will plug into this connection.

LT. BLUE	THIRD BRAKE LIGHT	N/A	Switched 12 volt output from brake switch to third brake light (if your car has this option)
LT. GREEN	BACK UP LT SW --> LIGHTS	N/A	Switched 12 volt output from back-up switch to back-up lights
WHITE	CTSY GROUND	N/A	Switch GROUND from door jamb and headlight switches to dome lamp
TAN	GAS GAUGE	N/A	Fuel Level signal wire from rear body disconnect to instrument cluster
BROWN	REAR RUNNING LIGHTS	N/A	12 volt switched feed from headlight switch to rear running lights
YELLOW	LEFT REAR TURN	N/A	Left Rear Turn output from turn signal switch to left rear stop/turn assembly
GREEN	RIGHT REAR TURN	N/A	Right Rear Turn output from turn signal switch to right rear stop/turn assembly
ORANGE	12V BATTERY - FUSED	STOP/CTSY 10A	Fused 12 volt BATTERY feed from fuse panel to dome lamp

10. **Wiper Switch and Lamp**- This harness is designed to reach both dash mounted (EARLY), or column mounted wiper switches (LATE) by using pigtail “C” from page 6. Assemble the lamp extension using pigtail “G”, terminals “Z” and lamp socket “Q” from page 6. See detailed instructions on page 12 for the connections for all applications.

BLACK	GROUND	N/A	This wire provides chassis ground to the wiper switch.
Dk. GREEN	No Printing	N/A	Switched 12v+ output from the wiper switch to bulkhead for wiper motor intermittant function
Dk. BLUE	No Printing	N/A	Switched output or ground from wiper switch to bulkhead for washer pump.
WHITE	WIPER FEED	WIPER 10A	This wire provides 12v+ power input to the wiper switch (for the 84-87 applications only)
Lt. BLUE	No Printing	N/A	Switched output or ground from wiper switch to bulkhead for wiper motor high speed function
BLACK	No Printing	N/A	Switched output or ground from wiper switch to bulkhead for wiper motor low speed function
BLACK	GROUND	N/A	This wire provides chassis ground to the wiper switch lamp
GRAY	DASH LIGHTS	DASH LTS 10A	Fused 12V dash light feed controlled by headlight switch for wiper switch lamp

11. **LH Courtesy Lamp** - Locate one of the courtesy lamp extensions from the 500708 Courtesy Lamp Kit, and plug it into this connection. Follow the instructions on page 14, mount and complete wiring connections to the lamp assembly.

ORANGE	12V BATTERY FUSED	STOP/CTSY 10A	Fused 12 volt BATTERY feed to courtesy lamp circuit
WHITE	CTSY GROUND	N/A	Switched GROUND to courtesy lamp to door jamb or headlight switches

12. **Accessory Connector** - Use the mating connector that is pre-inserted into the dash pigtail and included terminals **U or V** located in the dash harness loose piece kit found in **Parts Bag 510996**. NOTE: Not all installations will require the use of these connections. It has been provided as a convenient source for additional 12 volt power. See connector and terminals details on page 11.

Wire	Printing	Fuse	Description
YELLOW	N/A	PWRWDO 30A	Fused 12 volt IGNITION feed for power windows (or another ignition circuit)
RED	N/A	BAT2 30A	Fused 12 volt BATTERY feed for power locks (or another battery circuit)
ORANGE	N/A	BAT1 20A	Fused 12 volt BATTERY feed for power seats (or another battery circuit)
Dk. BLUE	N/A	FUEL 15A	Fused 12 volt IGNITION feed for fuel pump (or another ignition circuit)
TAN	N/A	ACCY1 30A	Fused 12 volt ACCESSORY feed for accessories
PINK	N/A	IGN1 20A	Fused 12 volt IGNITION feed for power windows (or another ignition circuit)

13. **Parking Brake Switch** - This wire plugs into the parking brake switch located on the emergency brake foot pedal on the left side of the steering column. When the pedal is pressed and the switch is activated, this wire provides a ground circuit to the instrument cluster to turn on the brake warning lamp.

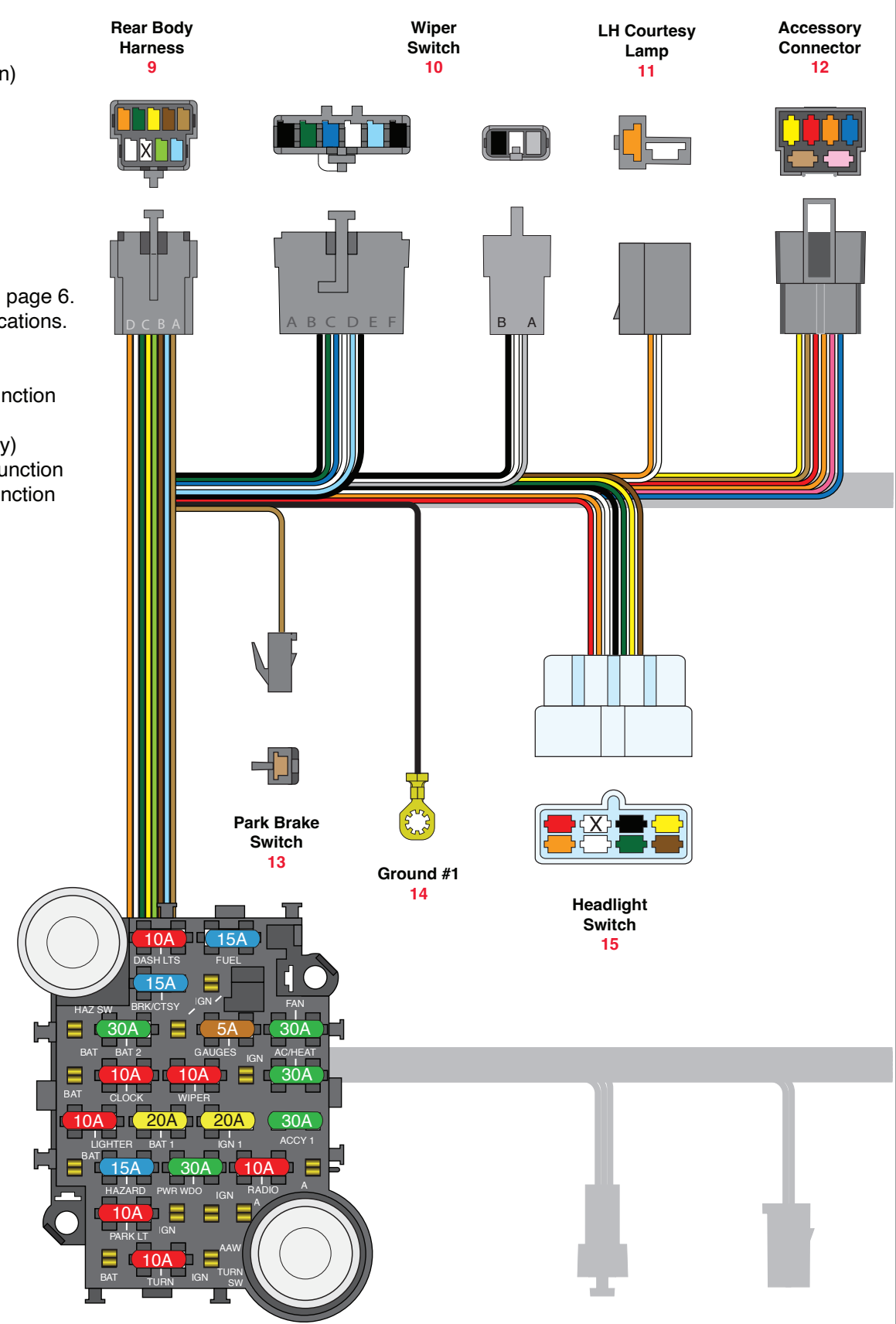
TAN	N/A	N/A	Ground trigger for Brake warning lamp circuit in instrument cluster
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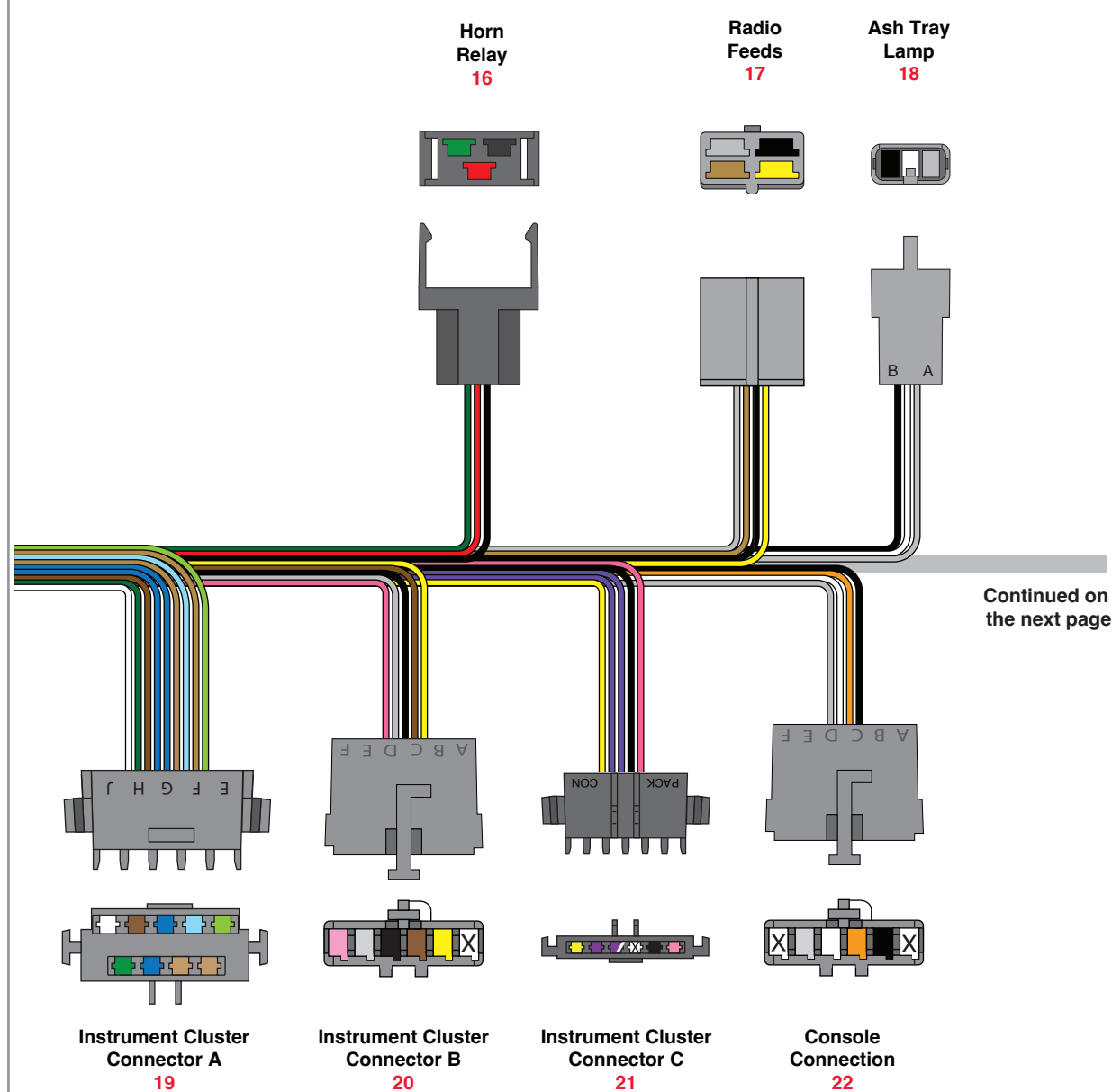
14. **Ground #1** - This connection provides a ground source for the Headlight Switch, Radio, Wiper, and Instrument Cluster. Attach this ring terminal to a clean ground point on the dash frame assembly.

BLACK	GROUND	N/A	Ground circuit for headlight switch, radio, wiper switch and instrument cluster
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15. **Headlight Switch** - Assemble the headlight switch pigtail “D” from page 6 using terminals “U”, “V” and “W”, along with connector “K” as shown on page 12, then plug the assembled pigtail “D” onto connection #15 to complete the headlight switch connection.

RED	No Printing	N/A	12 volt BATTERY feed for headlight circuit
BLACK	GROUND	N/A	This wire provides ground to the headlight switch
YELLOW	DIMMER SW FEED	N/A	Switched 12 volt output from headlight switch to dimmer switch for headlights
ORANGE	12V BATTERY - FUSED	PARK LT 10A	12 volt BATTERY fused feed for park/tail, and dash lamp circuits
WHITE	CTSY GROUND	N/A	Switched GROUND for headlight switch control of courtesy lamps
Dk. GREEN	No Printing	DASH LT 10A	This wire provides 12v to the fuse panel to power the dash light circuit
BROWN	Park Lights / Rear Running Lights	N/A	Switched 12 volt output from headlight switch to park lights and rear running lights





16. Horn Relay - Locate the 3 pin horn relay in the **500707** fuse, flasher and relay kit, and plug it into this connection (see page 3).

RED	No Printing	Unfused	Unfused 12 volt BATTERY feed to horn relay
BLACK	HORN RELAY GROUND	N/A	Ground Signal from Turn Signal Switch to Horn Relay
GREEN	HORN	N/A	12 volt output from Horn Relay to firewall bulkhead, then out to horn

17. Radio Feeds - Plug pigtail “E” from page 6 onto this connection, then use those wires to provide necessary power, ground and lamp feeds to the radio. Follow the instructions on page 12 for wire color functions to complete the connections that are part of this extension.

Note: This kit does not include speaker wiring.

GRAY	DASH LIGHTS	DASH LTS 10A	Dash lamp feed for radio
TAN	RADIO	RADIO 10A	Fused 12 volt switched ACCESSORY feed for radio
YELLOW	RADIO BAT	CLOCK 10A	Fused 12 volt BATTERY feed for radio/clock, and memory function
BLACK	GROUND	N/A	Ground for radio

18. Ash Tray Lamp - Retain the original light socket assembly cutting the wires around 6” from the back of the socket, then attach supplied terminals “Y” and connector “S” as shown on page 12. Plug this modified lamp socket assembly into connetcion #18 to complete the lighting circuit to the ashtray.

BLACK	Ground	N/A	This wire provides chassis ground to the ashtray lamp
GRAY	Dash Lights	DASH LTS 10A	Switched 12 volt output from headlight switch to dash lamp circuits

19. Instrument Cluster Connector “A” - The corresponding extension harness that plugs into this connector can be found in the 510983 Instrument Cluster Kit, bag H. Follow the instructions on pages 15-17 for details on completing the instrument cluster connections.

WHITE	COIL --> TACH	N/A	Tachometer Signal wire from engine harness disconnect to instrument cluster
YELLOW	CLOCK BAT	CLOCK 10A	Fused 12 volt BATTERY feed from fuse panel for cluster mounted clock
DK. BLUE	RIGHT DASH IND	N/A	Right Turn Signal output from turn signal switch for right turn signal indicator
LT. BLUE	LEFT DASH IND	N/A	Left Turn Signal output from turn signal switch for left turn signal indicator
LT. GREEN	HI BEAM INDICATOR LIGHT	N/A	Hi Beam output from dimmer switch for hi beam indicator
DK GREEN	WATER TEMP SENDER	N/A	Water Temperature signal wire from bulkhead to instument cluster
DK. BLUE	OIL PRESSURE SENDER	N/A	Oil Pressure signal wire from bulkhead to instrument cluster
TAN	BRAKE LIGHT/SWITCH	N/A	Brake Pressure signal wire from bulkhead to instrument cluster
TAN	GAS GAUGE	N/A	Fuel Level signal wire from rear body disconnect to instument cluster

20. Instrument Cluster Connector “B” - The corresponding extension harness that plugs into this connector can be found in the 510983 Instrument Cluster Kit, bag H. Follow the instructions on pages 15-17 for details on completing the instrument cluster connections.

PINK	12V IGNITION	GAUGES 5A	Fused IGNITION feed from fuse panel to instrument cluster disconnect
GRAY	DASH LIGHTS	DASH LTS 10A	Fused 12V dash light feed controlled by headlight switch for cluster illumination
BLACK	GROUND	N/A	Ground circuit for instrument cluster
BROWN	PARK LIGHTS	N/A	12V parking light feed for DIM function on aftermarket gauges
TAN	No Printing	N/A	Ground signal from parking brake switch for instument cluster telltale

21. Instrument Cluster Connector “C” - The corresponding extension harness that plugs into this connector can be found in the 510983 Instrument Cluster Kit, bag H. Follow the instructions on pages 15-17 for details on completing the instrument cluster connections. **NOTE:** If you car does not have an aftermarket electric speedometer, this connection will not be used.

YELLOW	VSS GROUND	N/A	Ground circuit for vehicle speed sensor
PURPLE	VSS SIGNAL	N/A	Vehicle Speed Sensor signal wire
PURPLE w/	VSS POWER	N/A	Switched ignition power for vehicle speed sensor
WHITE			
BLACK w/	SPEEDO GROUND	N/A	Ground circuit for electronic speedometer
WHITE			
PINK w/	SPEEDO POWER	FUEL 15A	Switched Ignition power for electronic speedometer
WHITE			

22. Console Connection - Locate the console extension “F” from page 6, and plug it into this connection. Follow the instructions on page 13 for wire color functions to complete the connections that are part of this extension. No specific terminals have been provided to complete this task. You will have to splice these wires into your existing console harness.

ORANGE	12V BATTERY FUSED	STOP/CTSY 10A	Fused 12 volt BATTERY feed to console courtesy lamp circuit
WHITE	CTSY GROUND	N/A	Switched GROUND from console courtesy lamp to door jamb switches
GRAY	DASH LIGHTS	DASH LTS 10A	Fused 12V dash light feed controlled by headlight switch for console accessories
BLACK	GROUND	N/A	GROUND circuit for Console Connetions

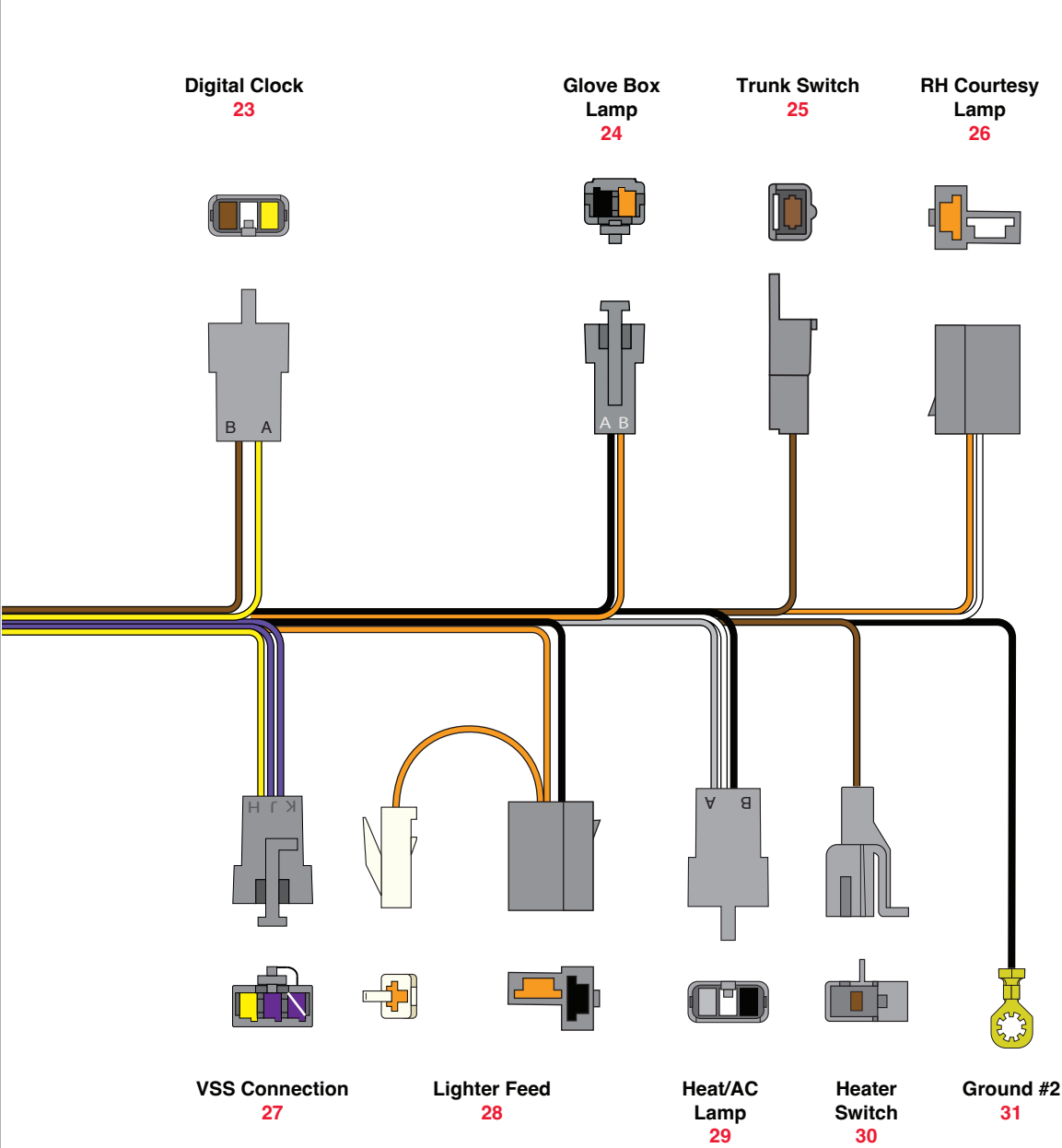
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23. Digital Clock - This connection is for a factory installed, remote mounted dash clock. Your original clock (if you have this option) will plug directly into this connection with no modifications necessary.

BROWN	PARKING LIGHTS	N/A	12V parking light feed for DIM function on aftermarket gauges
YELLOW	CLOCK BAT	CLOCK 10A	Fused 12 volt BATTERY feed from fuse panel for remote mounted dash clock

24. Glove Box Lamp Feeds - Plug pigtail “J” from page 6 onto this connection, then use those wires to provide the necessary power and ground feeds to the glove box lamp. See detailed directions on page 13. Use terminals “X”, and connector “T”, to complete the connection, then plug connector “T” onto your glove box lamp assembly.

ORANGE	12V BATTERY FUSED	STOP/CTSY 10A	Fused 12 volt BATTERY feed to glove box lamp
BLACK	GROUND	N/A	GROUND circuit for glove box lamp

25. Trunk Switch - This fused 12v feed wire is for a the factory electric power trunk option. Use terminal “U” and connector “R” to install on your existing power trunk wire, then plug connector “R” into connection #25 to complete this circuit. If your car does not have this option, this wire can be used as a 12v accessory powered feed for another accessory circuit.

BROWN	No printing	AC/HEAT 30A	Fused ACCESSORY feed from fuse panel to power trunk switch
-------	-------------	-------------	--

26. RH Courtesy Lamp - Locate the other courtesy lamp extension from the 500708 Courtesy Lamp Kit, and plug it into this connection. Follow the instructions on page 14, mount and complete wiring connections to the lamp assembly.

ORANGE	12V BATTERY FUSED	STOP/CTSY 10A	Fused 12 volt BATTERY feed to courtesy lamp circuit
WHITE	CTSY GROUND	N/A	Switched GROUND to courtesy lamp from door jamb or headlight switches

27. Vehicle Speed Sensor - The VSS extension from the 510730 VSS Connection Kit will plug into this connection. (Used with electronic speedometers)

YELLOW	VSS GROUND	N/A	Ground circuit for vehicle speed sensor
PURPLE	VSS SIGNAL	N/A	Vehicle Speed Sensor signal wire
PURPLE w/ WHITE	VSS POWER	N/A	Switched ignition power from instrument cluster for vehicle speed sensor

28. Lighter Feeds - This wire provides power to the lighter. There is one unique connection for the lighter that is in your vehicle. See page 13 for detailed instructions. Plug connector #28 directly onto your stock lighter assembly. A two way power-ground connector has also been provided for aftermarket lighter connections.

ORANGE	12V BATTERY FUSED	LIGHTER 10A	Fused 12 volt BATTERY feed to cigar lighter
BLACK	GROUND	N/A	GROUND circuit for cigar lighter

29. Heater Lamp - Assemble the lamp extension using pigtail “G”, terminals “Z” and lamp socket “Q” from page 6. See detailed instructions on page 13 for the connections for all applications. Plug this heater lamp into connection #29.

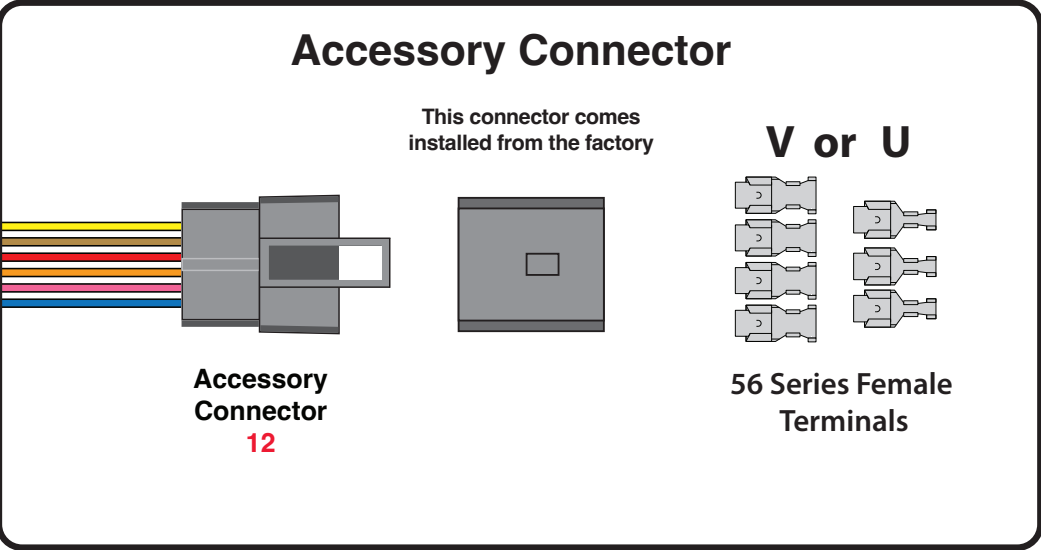
GRAY	Dash Lights	DASH LTS 10A	Switched 12 volt output from headlight switch to dash lamp circuits
BLACK	GROUND	N/A	Provides ground to the heater/AC lamp.

30. Heater Harness Connection - Plug this connector into the stock A/C or Heater harness.

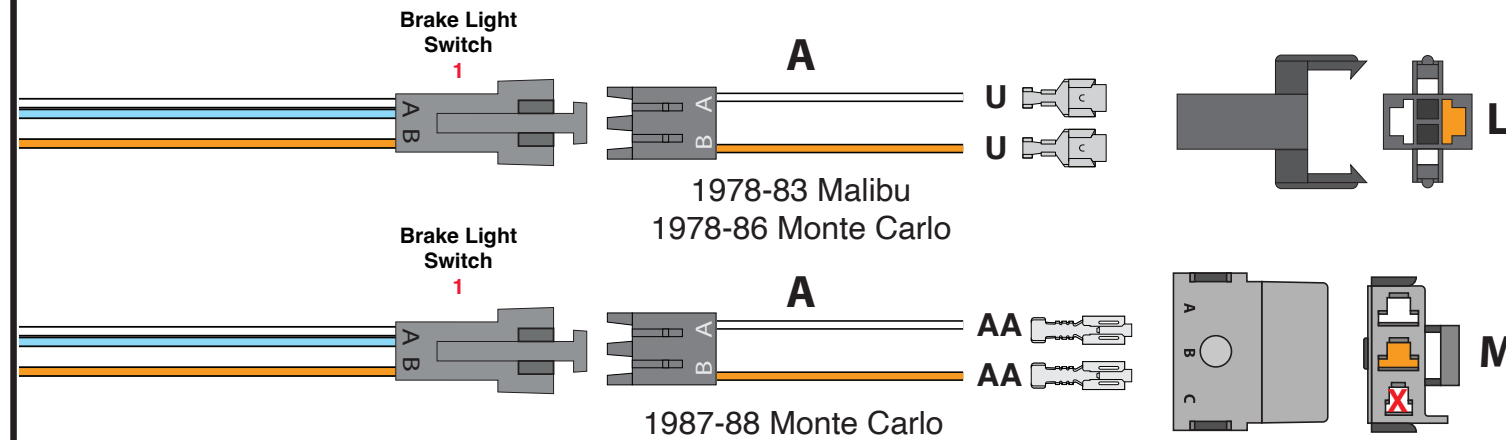
BROWN	HEATER/AC FEED	AC/HEAT 30A	Fused ACCESSORY feed from fuse panel to heater control
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31. Ground #2 - This connection provides a ground source for the Lighter, Console Connection, Glove Box, A/C and Ashtray Lamps. Attach this ring terminal to a clean ground point on the body.

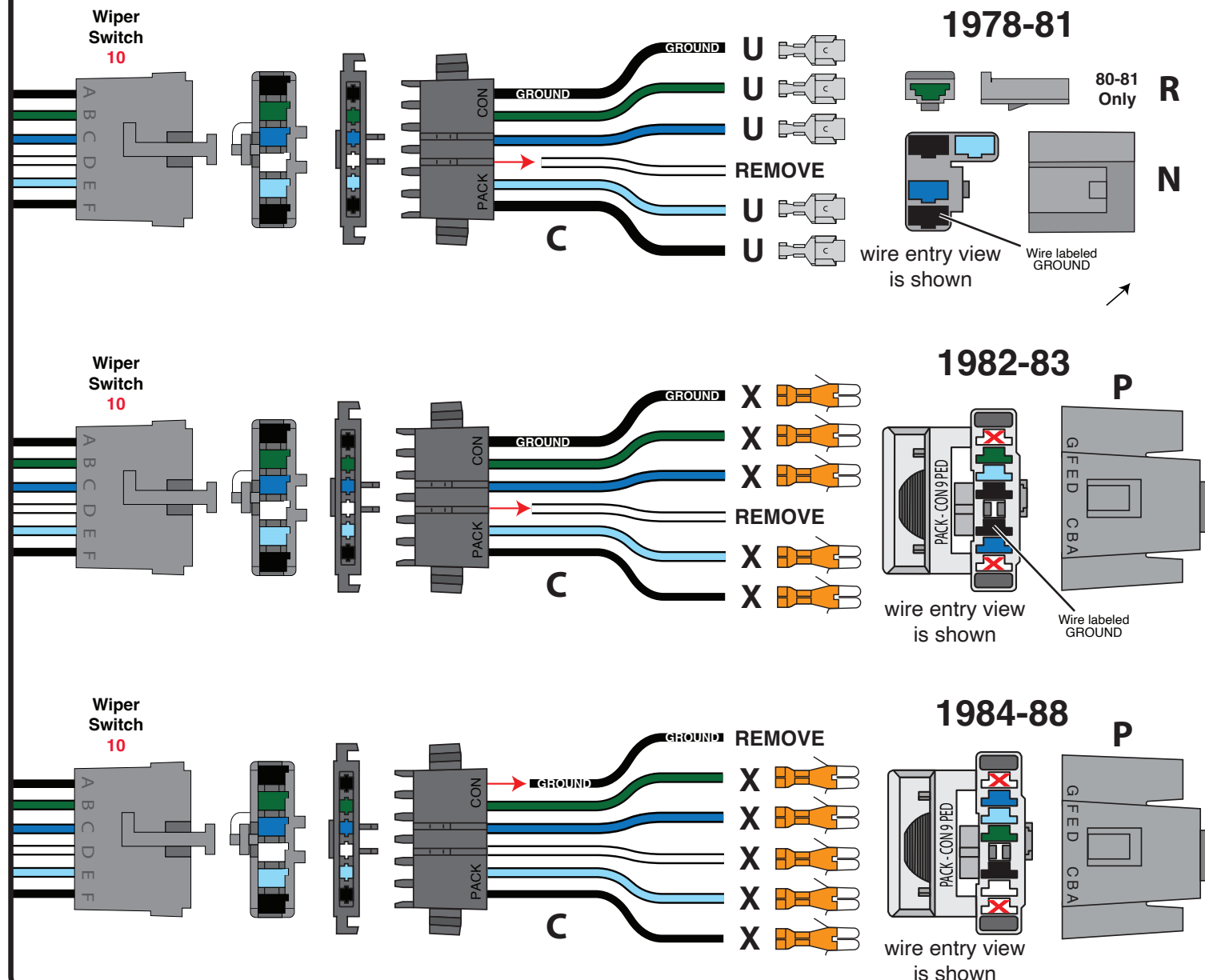
BLACK	GROUND	N/A	GROUND circuit for Lighter, Console Connection, Glove Box, A/C and Ashtray Lamps
-------	--------	-----	--



Brake Switch Connections

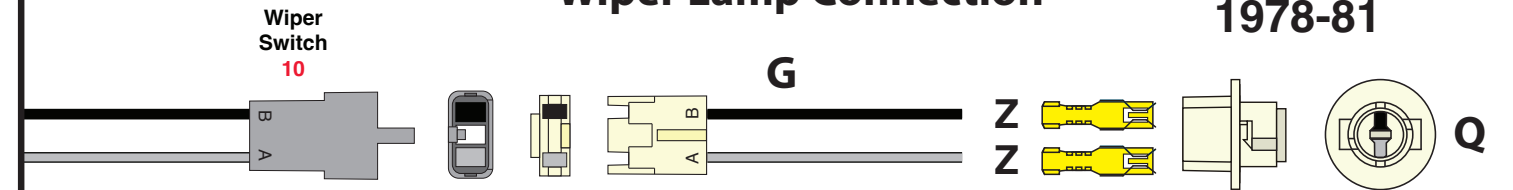


Wiper Switch Connections



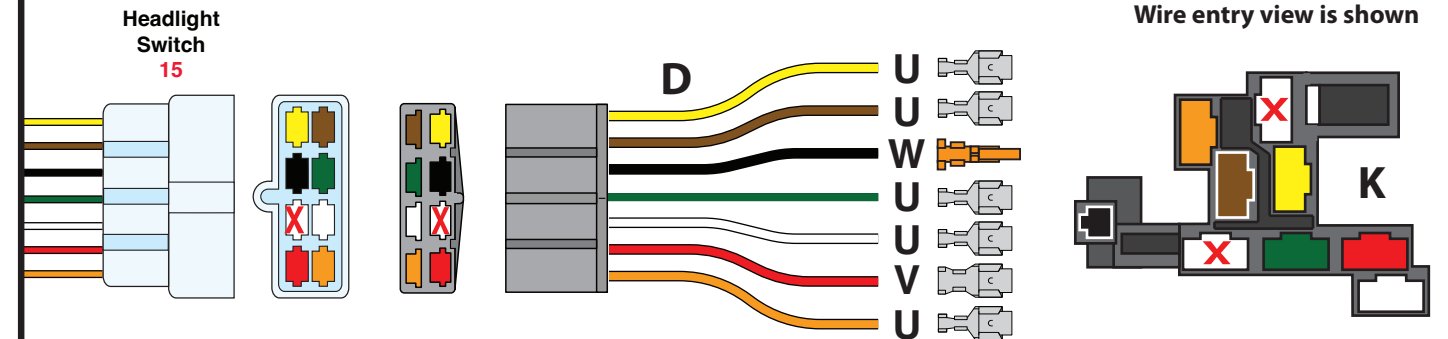
Wiper Lamp Connection

1978-81

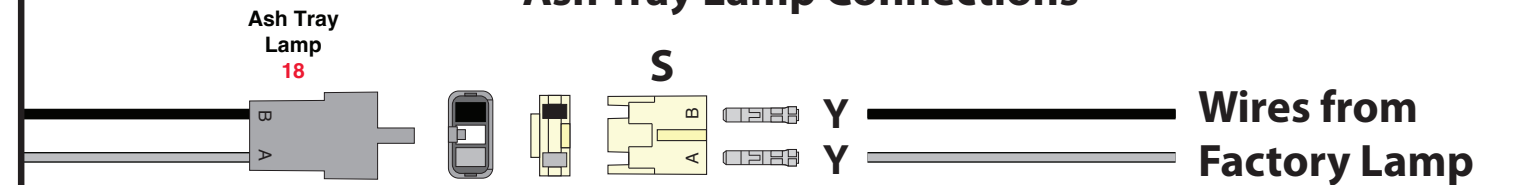


Headlight Switch Connection

To Headlight Switch
ALL YEARS
Wire entry view is shown

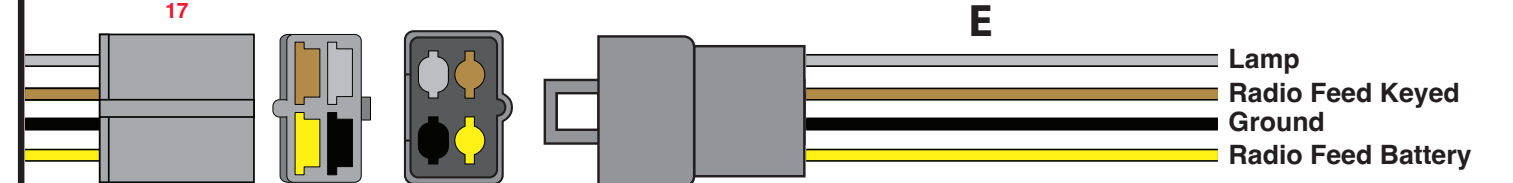


Ash Tray Lamp Connections



Radio Feeds
17

Radio Connection



Lamp - Gray - This wire supplies a lamp circuit when the headlight switch is activated to illuminate the display on factory radios. This circuit is dimmable by turning the headlamp switch knob.

Radio Feed, Keyed - Tan - This wire supplies keyed power to the radio. This wire is on the accessory circuit and will lose power while the key is in the start position.

Ground - Black - This wire supplies ground to a factory or aftermarket radio

Radio Feed, Battery - Yellow - This wire supplies battery power to the radio. This wire is live at all times and will supply uninterrupted power for radio memory, digital clock in the radio, and equalizer settings.

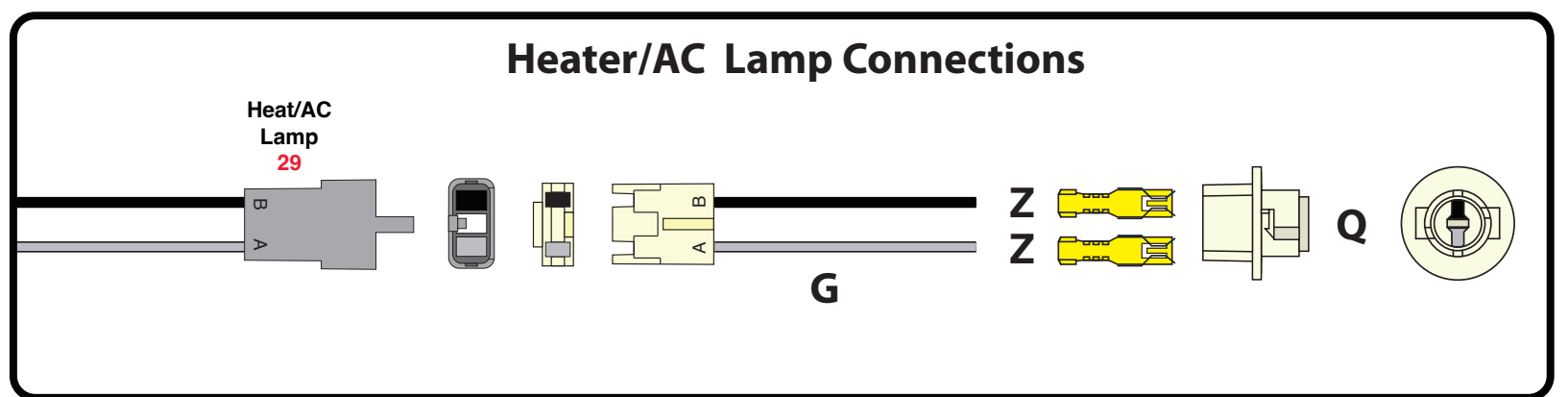
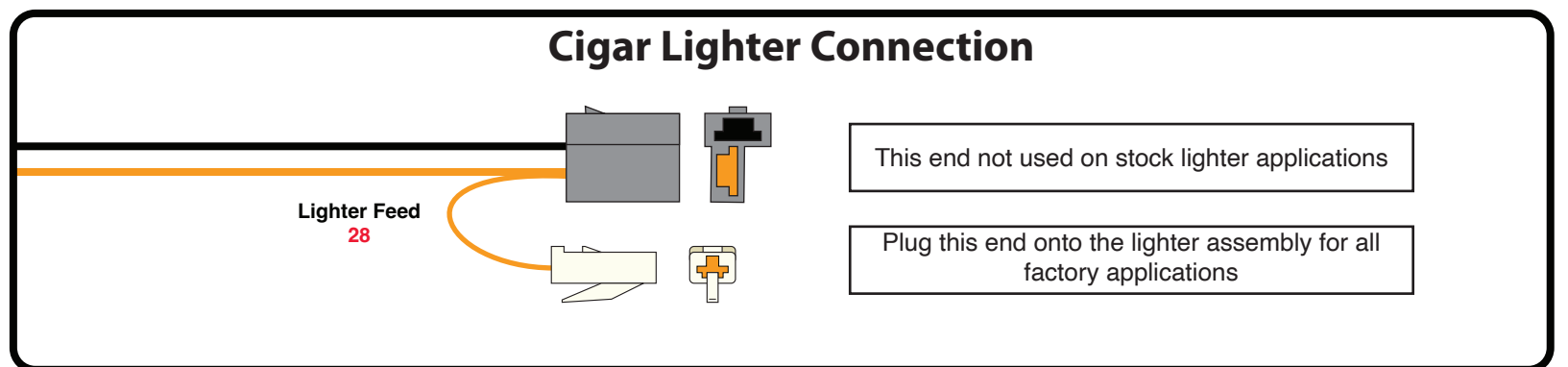
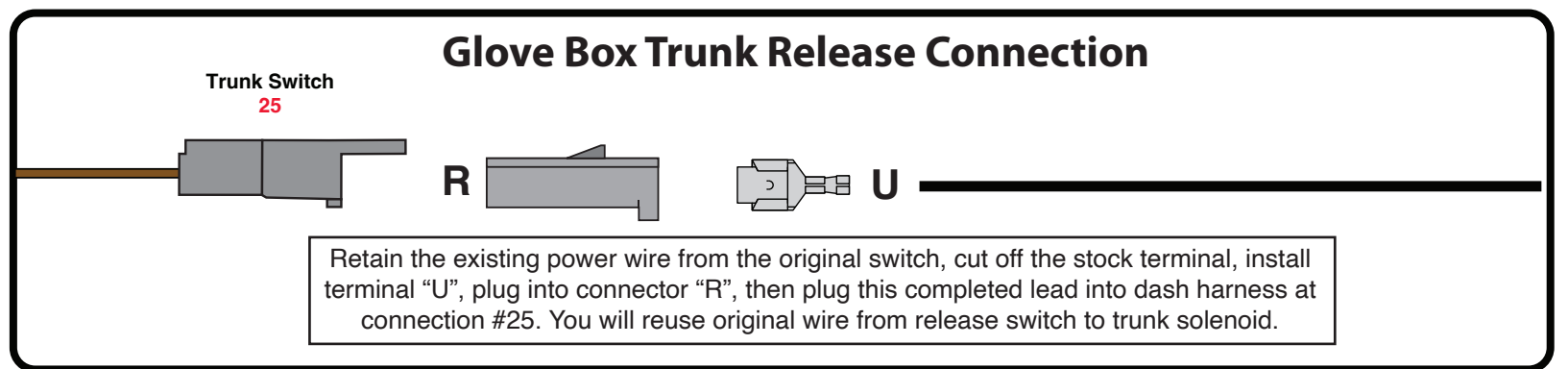
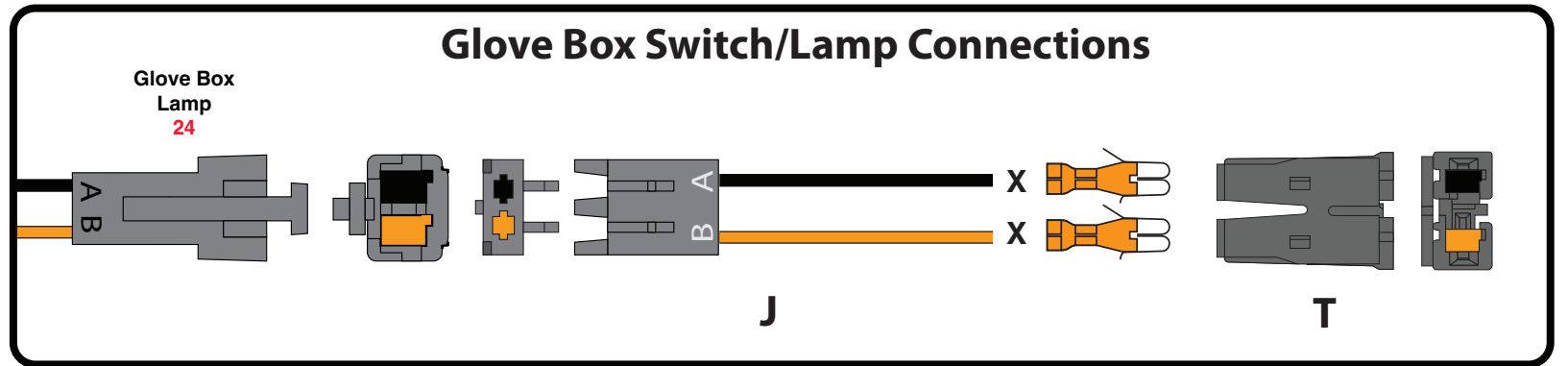
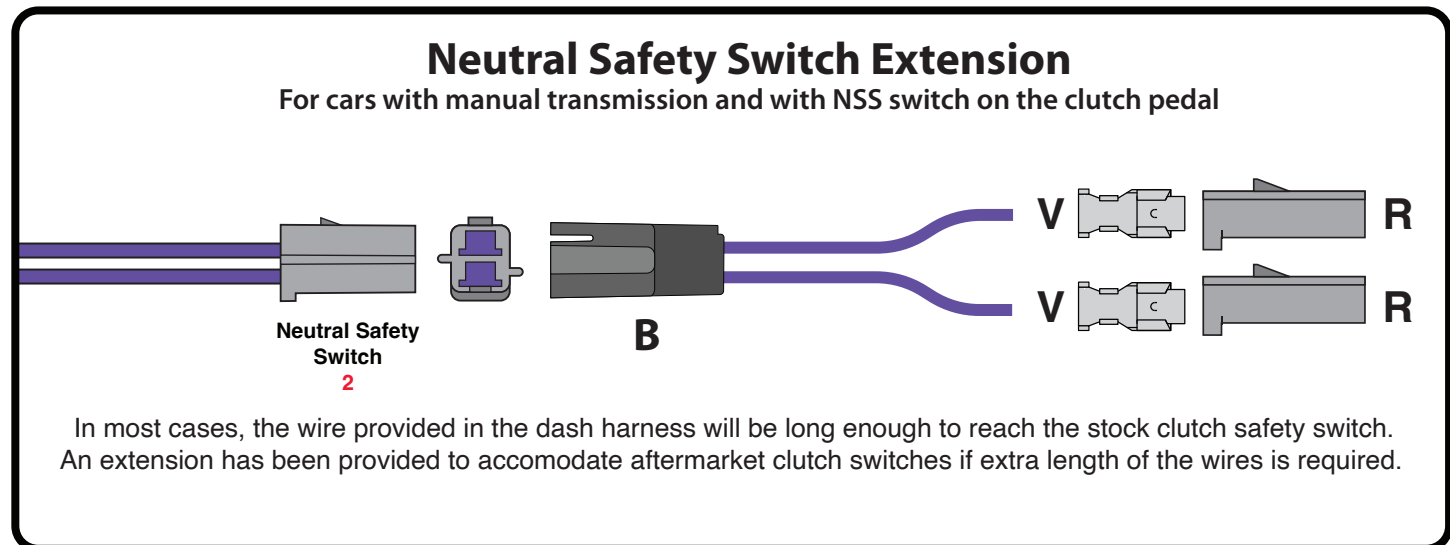
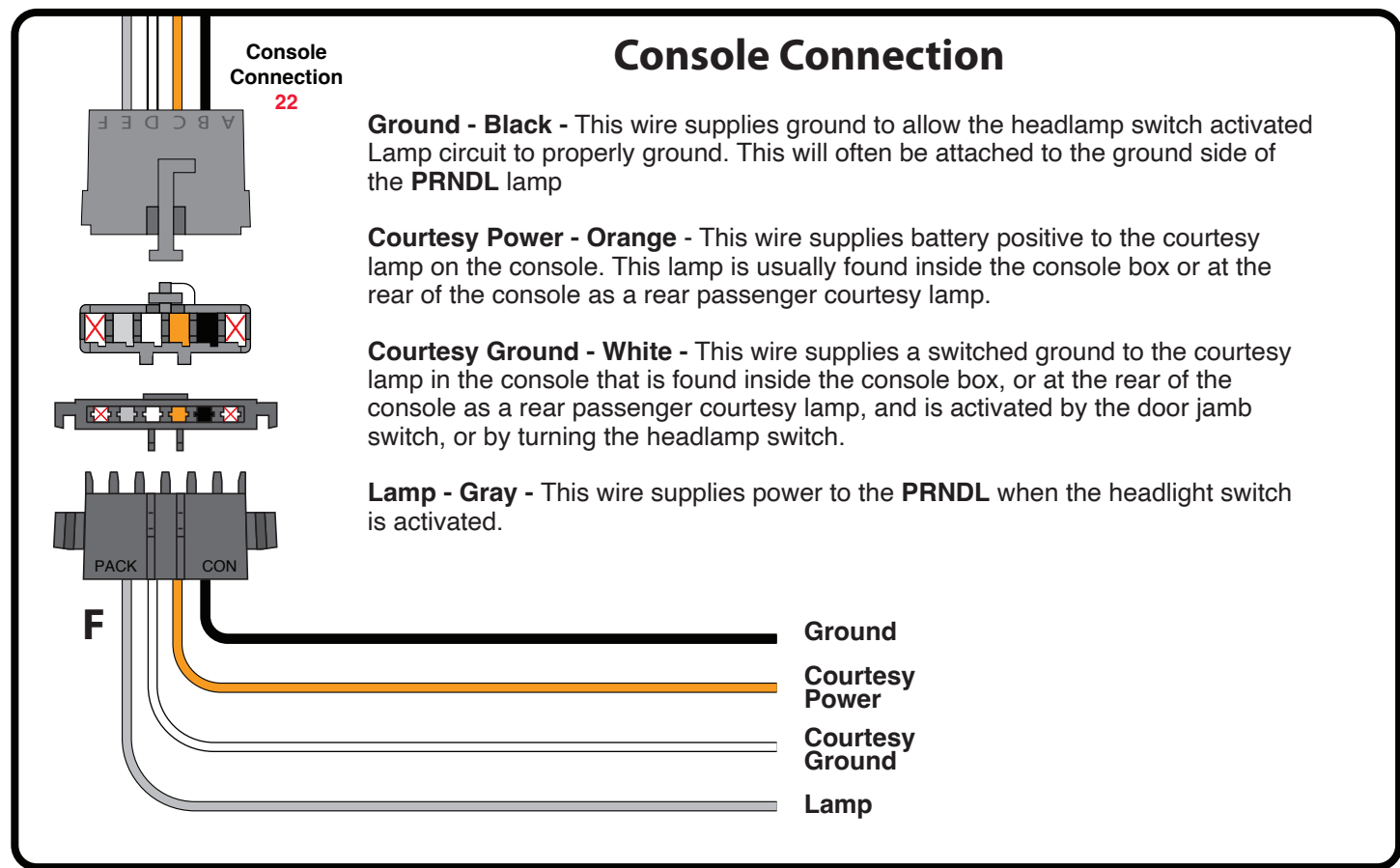


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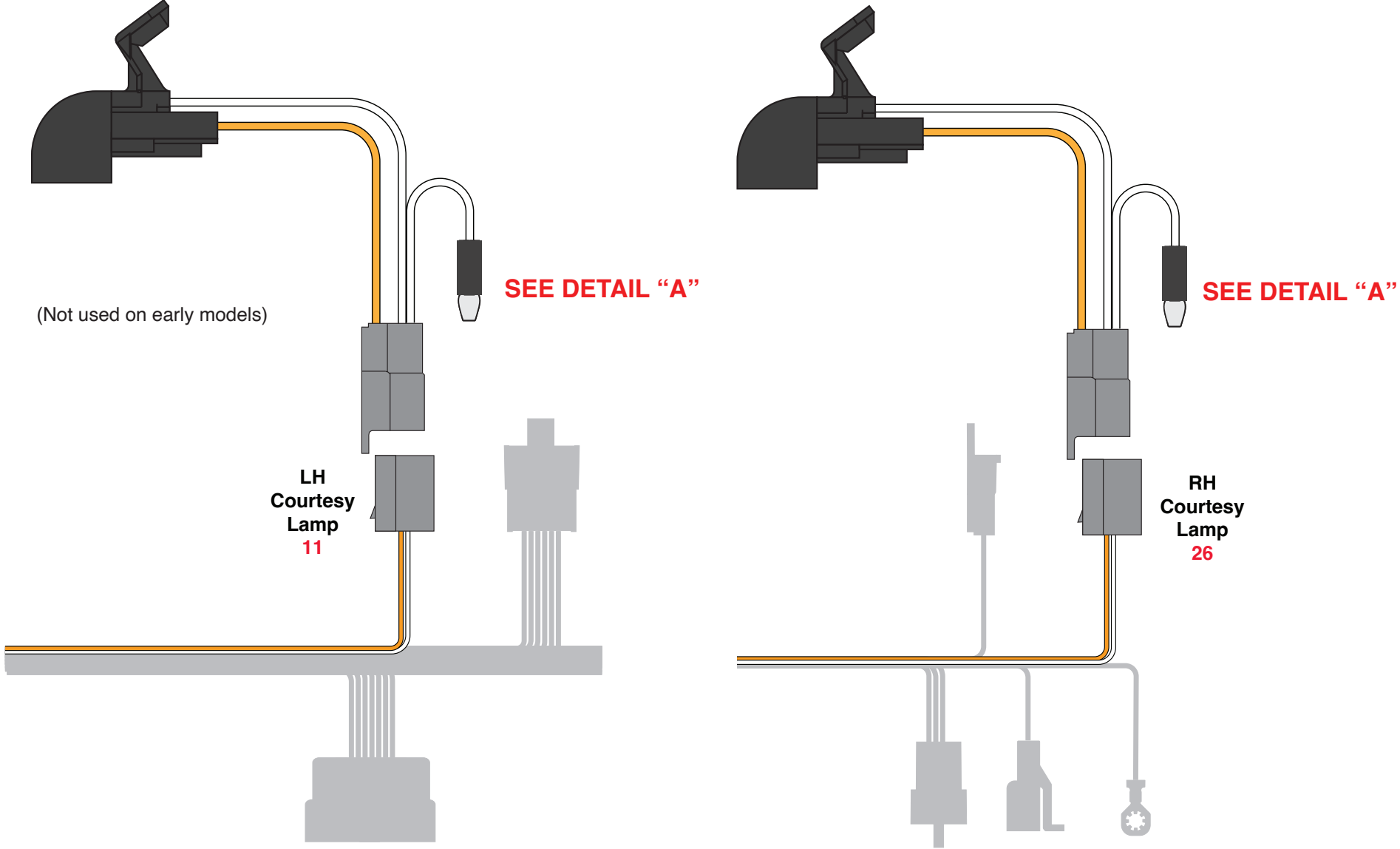
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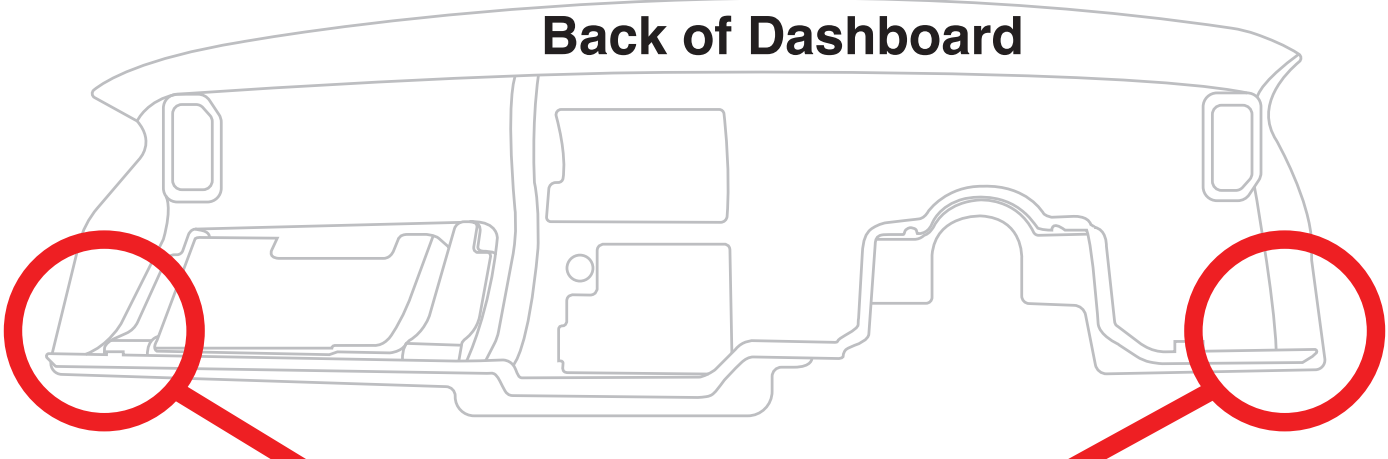
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Courtesy Light Kit Installation
Parts found in Courtesy Light Kit 500708 Bag N



Back of Dashboard

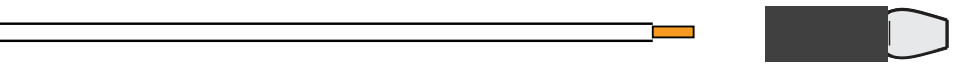


Courtesy Lamps install in this area of the lower dash. Bulbs should face the footwell area and are illuminated when the door is opened or the interior lights are activated by the headlamp switch function.

1

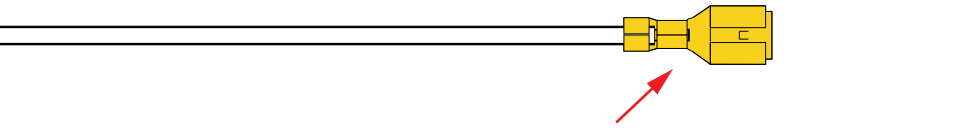
DETAIL A

REMOVE and STRIP



2

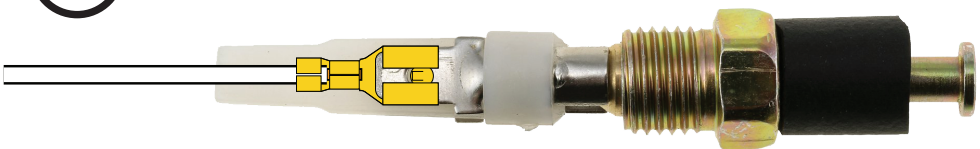
INSTALL



NOTE: This terminal is found in the 500708 Courtesy Lamp Kit.

3

CONNECT



DOOR JAMB SWITCH

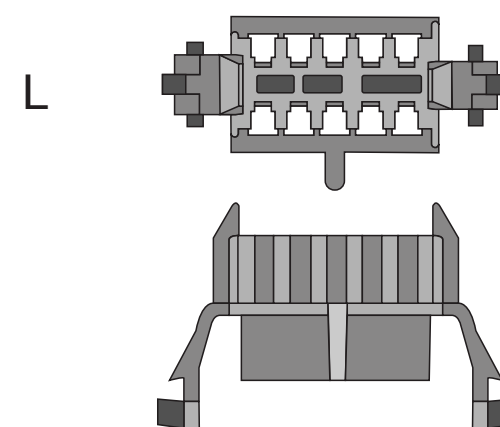
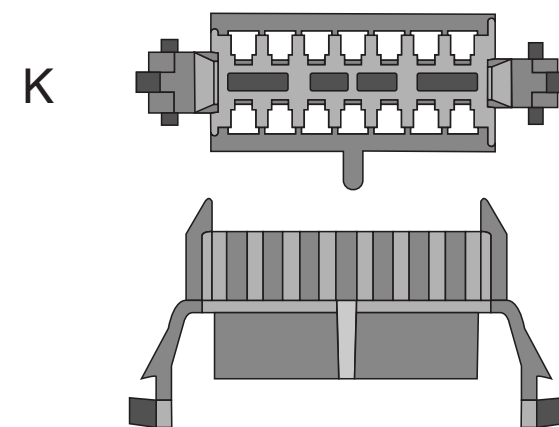
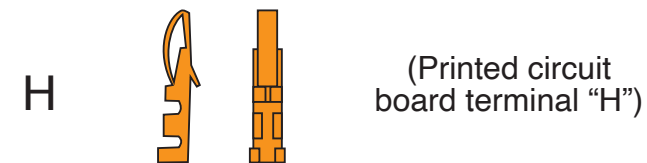
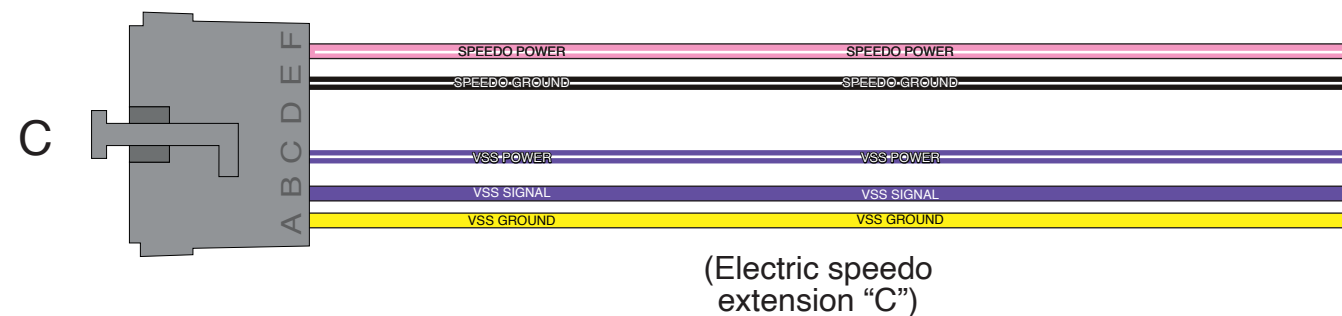
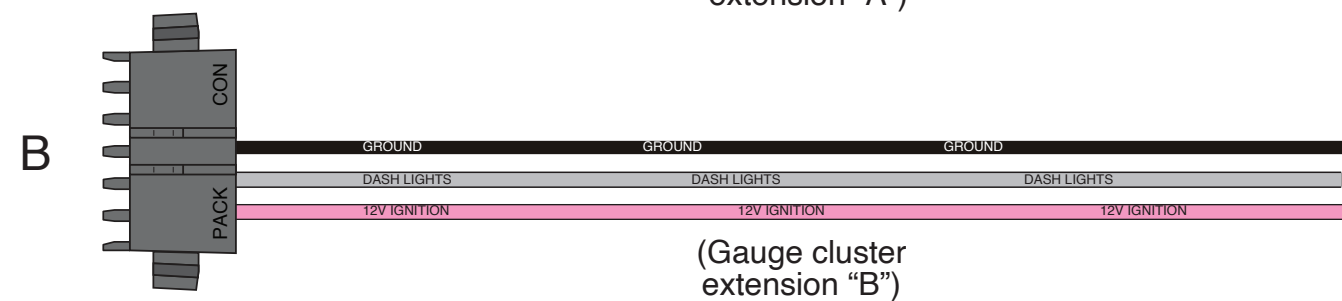
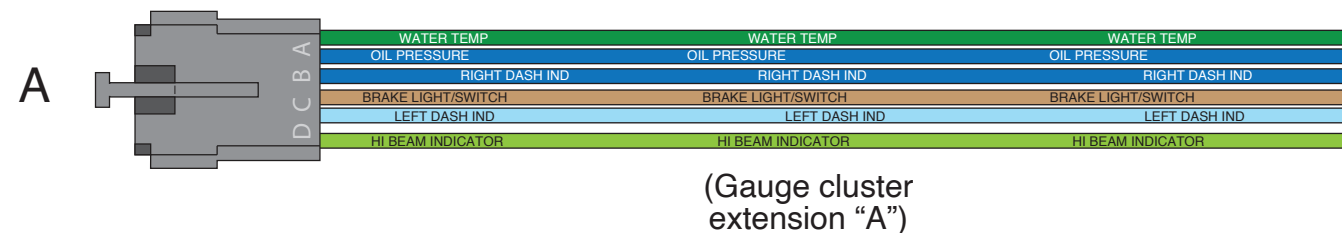
NOTE: Your new underdash courtesy light kit uses # 631 bulbs (not included with this kit). They may be purchased at any auto parts store.

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Gauge Cluster harness installation instructions:

H

Shown below, are the supplied pigtails and wires, misc. terminals, and plastic connector bodies included in the 510983 Gauge Cluster Harness and Loose Piece kit, bag “H” , that will be used to complete your Gauge Cluster connections. They are itemized and referred to on this page, just as they are on the following pages of this Gauge Cluster Harness instruction set.



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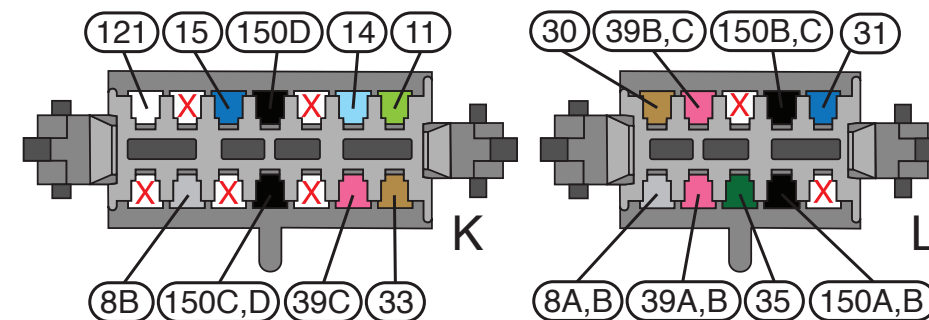
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1978-1988 Grand Prix w/ Factory Gauges



LARGER

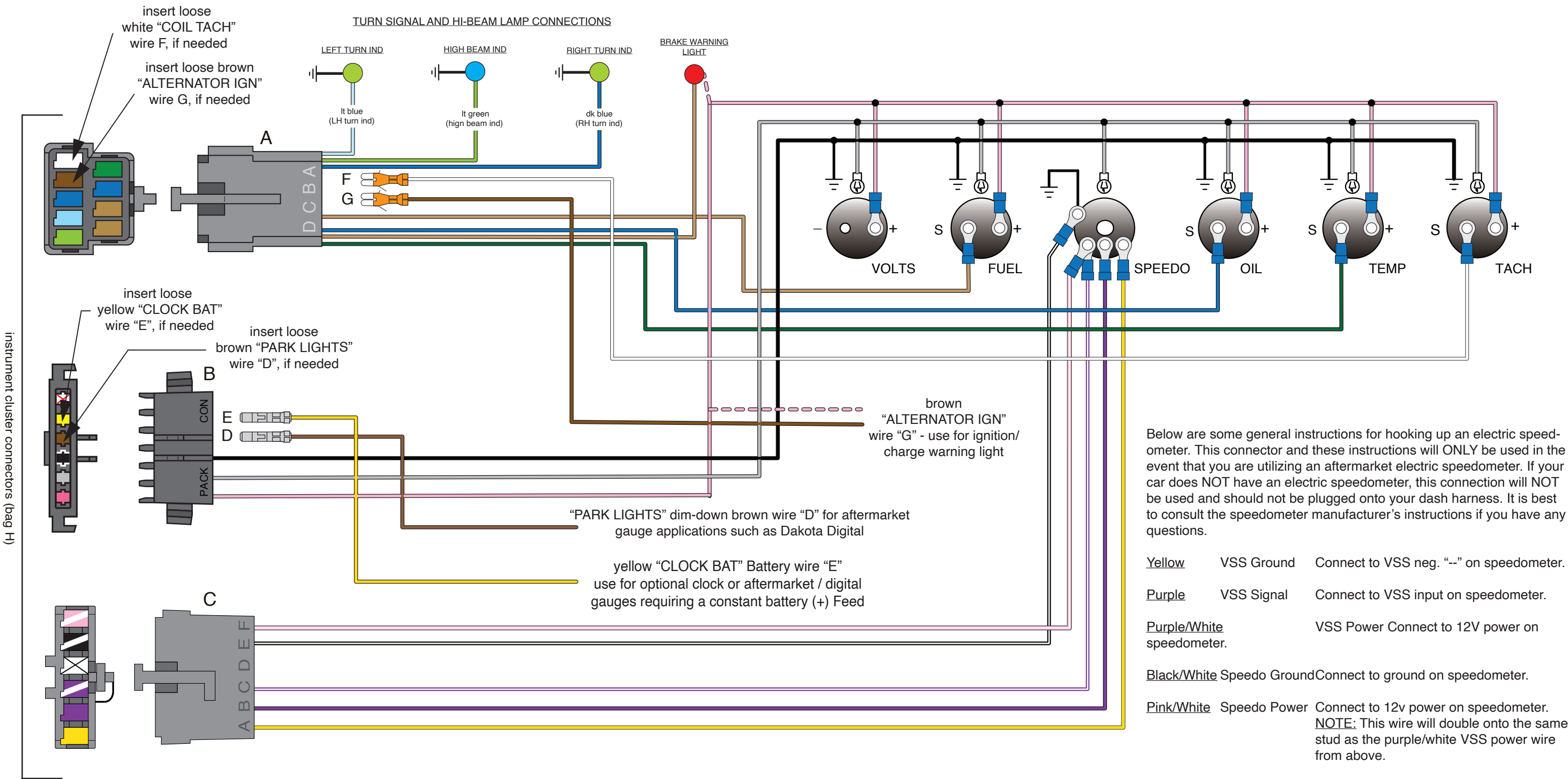
SMALLER

Plug in side shown



#	Label
8	DASH LIGHTS
11	HEADLIGHT - HI BEAM
14	LEFT FRONT TURN
15	RIGHT FRONT TURN
25	ALTERNATOR IGN
30	GAS GAUGE
31	OIL PRESSURE SENDER
33	BRAKE LIGHT/SWITCH
35	WATER TEMP SENDER
39	12V IGNITION
99	CLOCK BAT
121	COIL --> TACH
150	GROUND

Gauge Cluster harness (aftermarket gauges) installation instructions:



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

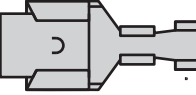
- Yellow VSS Ground Connect to VSS neg. "--" on speedometer.
- Purple VSS Signal Connect to VSS input on speedometer.
- Purple/White VSS Power Connect to 12V power on speedometer.
- Black/White Speedo GroundConnect to ground on speedometer.
- Pink/White Speedo Power Connect to 12v power on speedometer.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

Engine harness installation instructions:

J

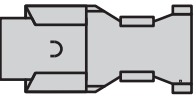
Shown below, are the supplied misc. terminals, sleeves, plastic connector bodies and wires, included in the 510929 Engine Harness and Loose Piece, bag “J”, that will be used to complete your Engine harness connections. They are itemized and referred to on this page, just as they are on the following pages of this Engine instruction set.

A



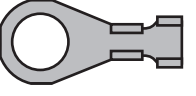
56 Series single female terminal, 12 pcs

B



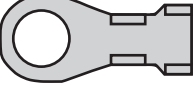
56 Series double female terminal, 6 pcs

C



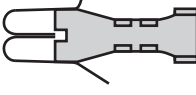
Ring terminal, 6 pcs

D



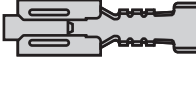
Ring terminal, 5 pcs

E



Female Pack-Con terminal, 2 pcs

F



Female Metri-Pack 480 terminal, 6 pcs

G



Small sleeve, 5 pcs

H



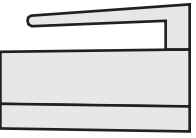
Large sleeve, 4 pcs

J



56 Series single male connector, 1 pc

K



56 Series single male connector, 1 pc

L



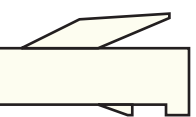
56 Series single male connector, 1 pc

M



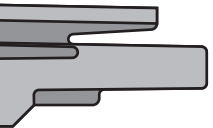
56 Series single male connector, 1 pc

N



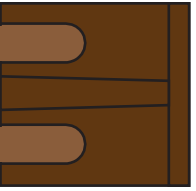
56 Series single female connector, 1 pc

P



Pack-Con single female connector, 1 pc

Q



56 Series double female connector, 1 pc

R



56 Series triple female connector, 1 pc

S



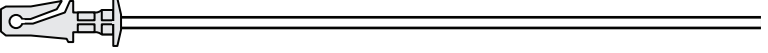
Diode, 1 pc

T



GM “SI” jumper harness - reference, 1 pc

U



Wiper power wire, 1 pc

V



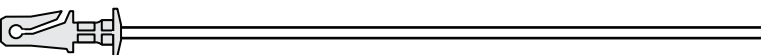
Pulse wiper wire, 1 pc

W



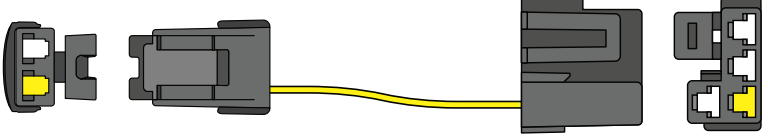
Electric choke wire, 1 pc

X



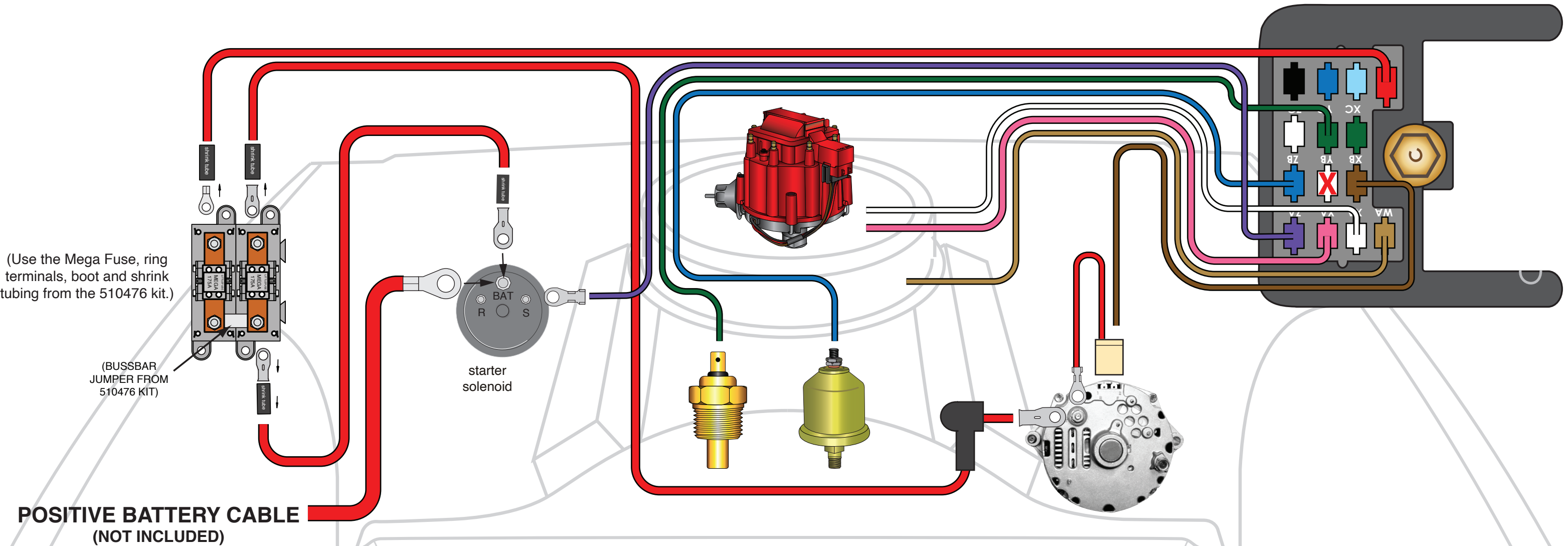
Coil-tach wire, 1 pc

Y



1984-87 Jumper, 1 pc

Engine harness installation instructions:



Detailed connection instructions for these components can be found on page 20 & 24.

Instructions for the charging system and mega fuses can be found in Bag Z 510476.

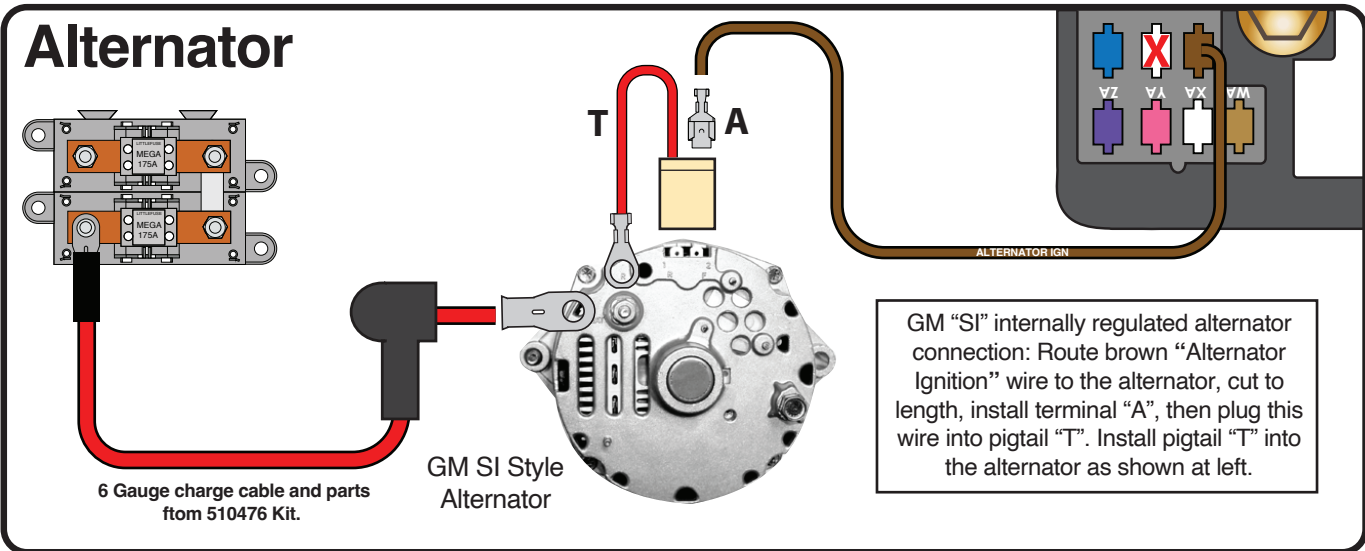
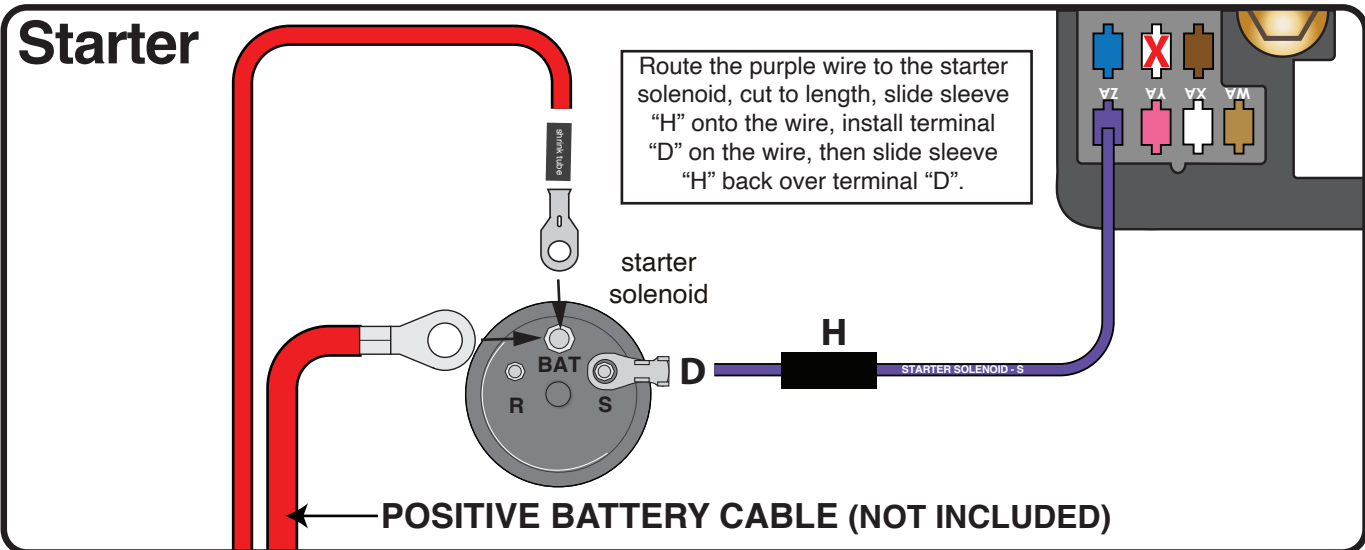
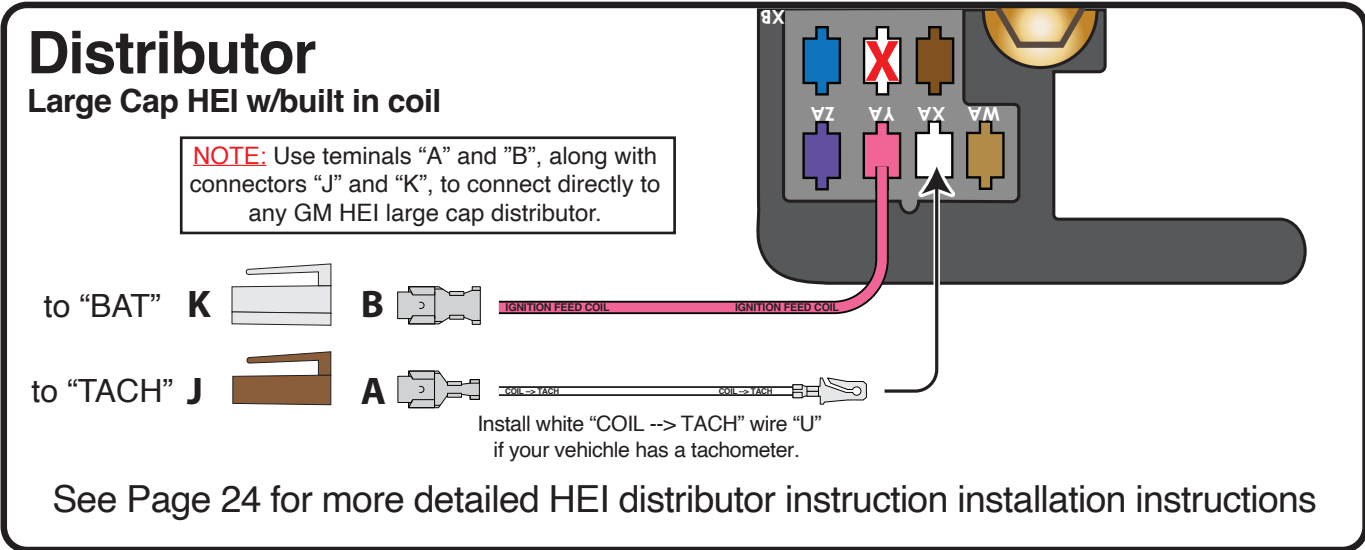
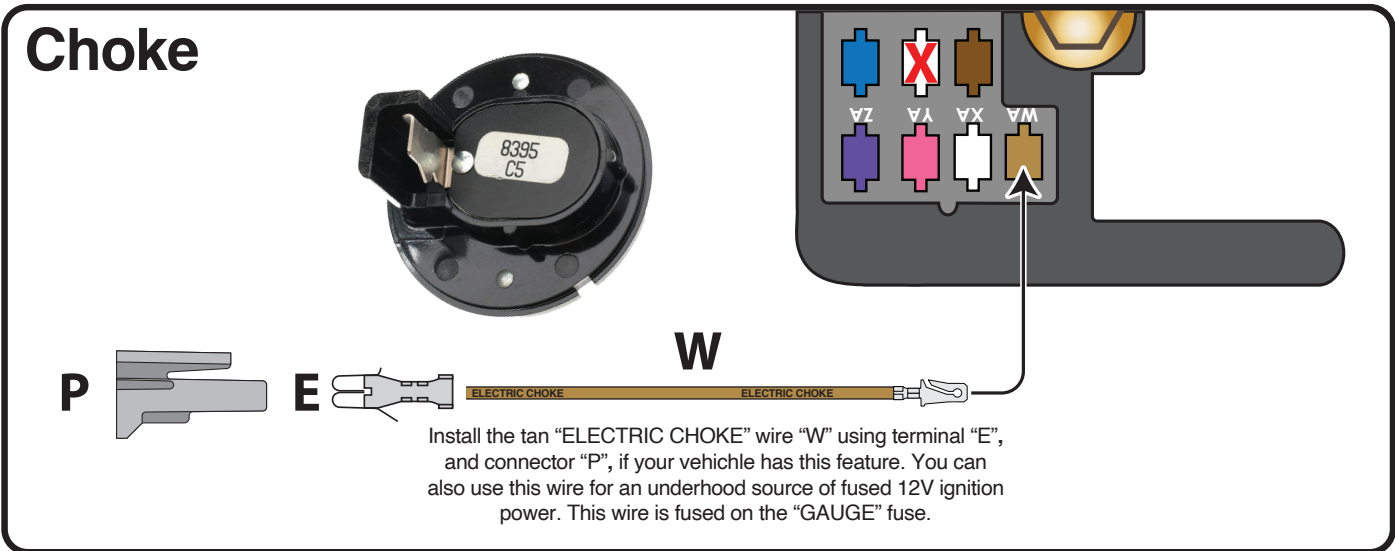
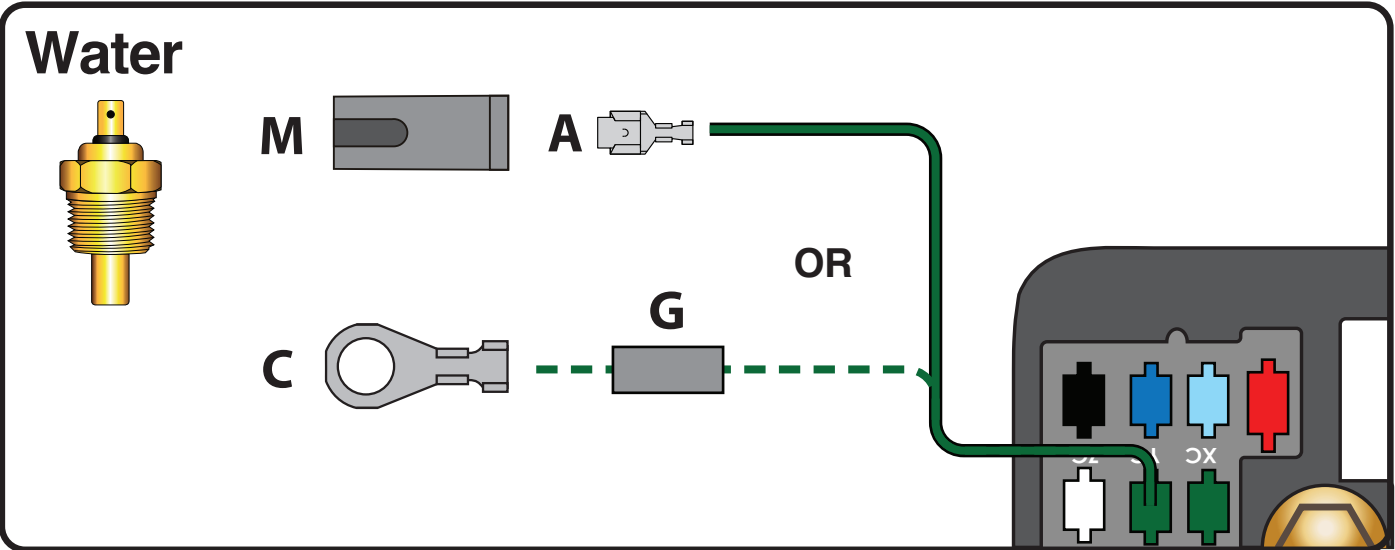
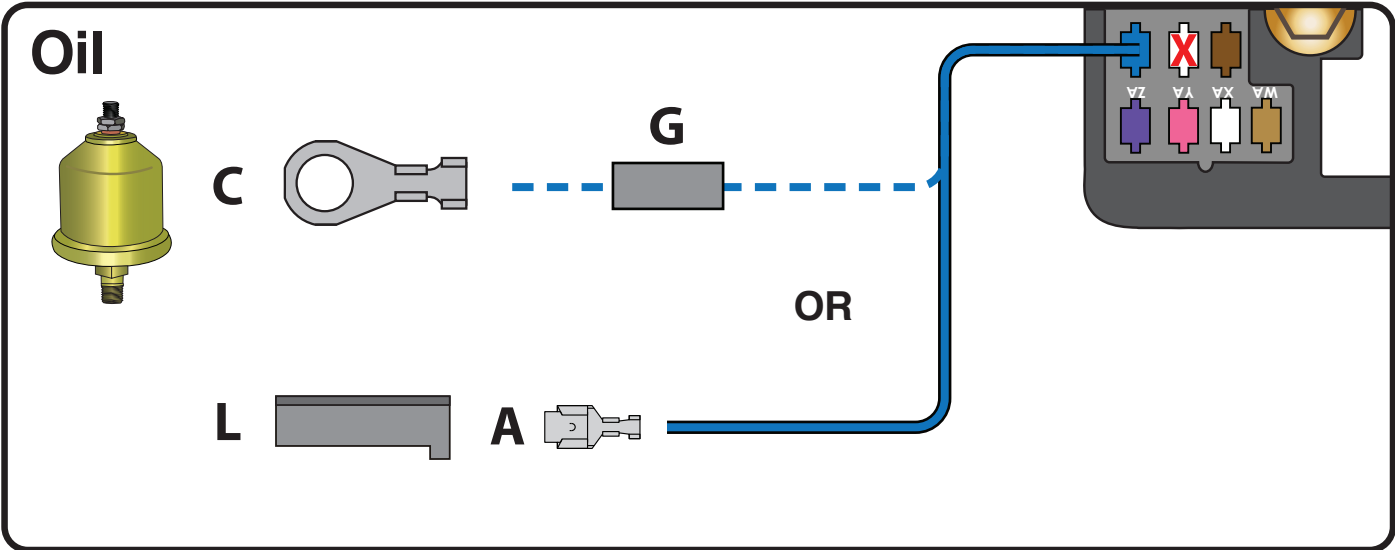
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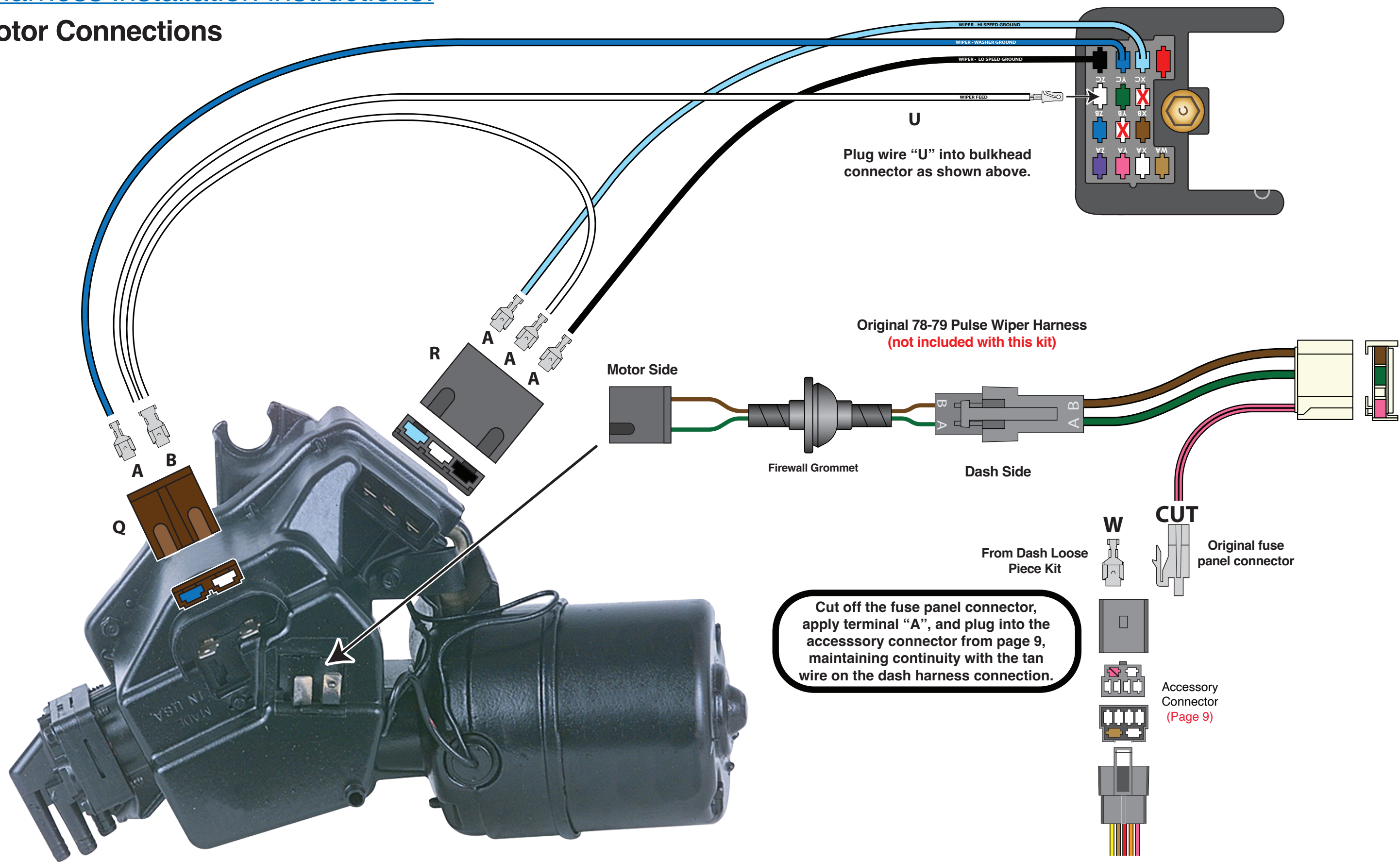
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Engine harness installation instructions:

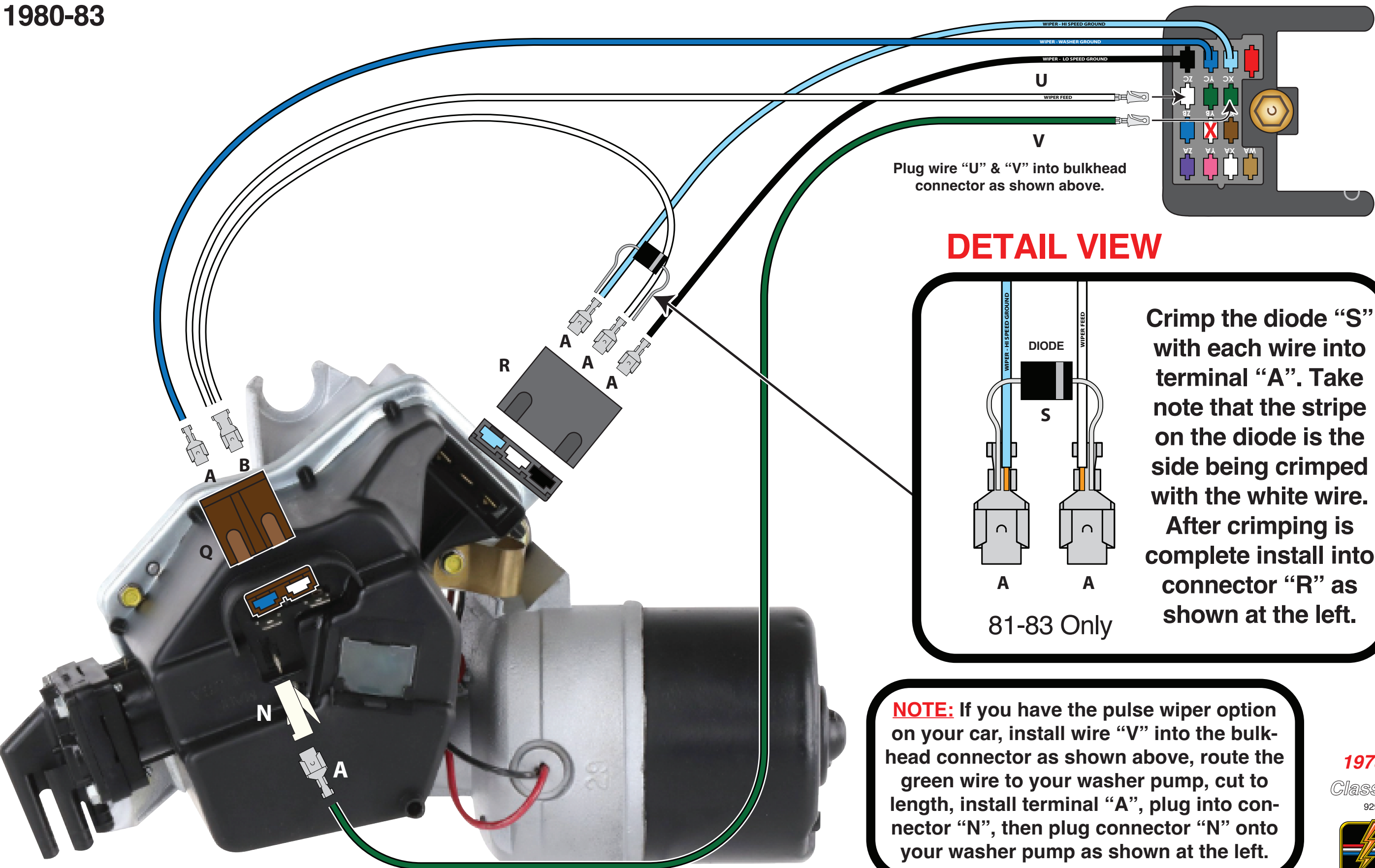
Wiper Motor Connections
1978-79



Engine harness installation instructions:

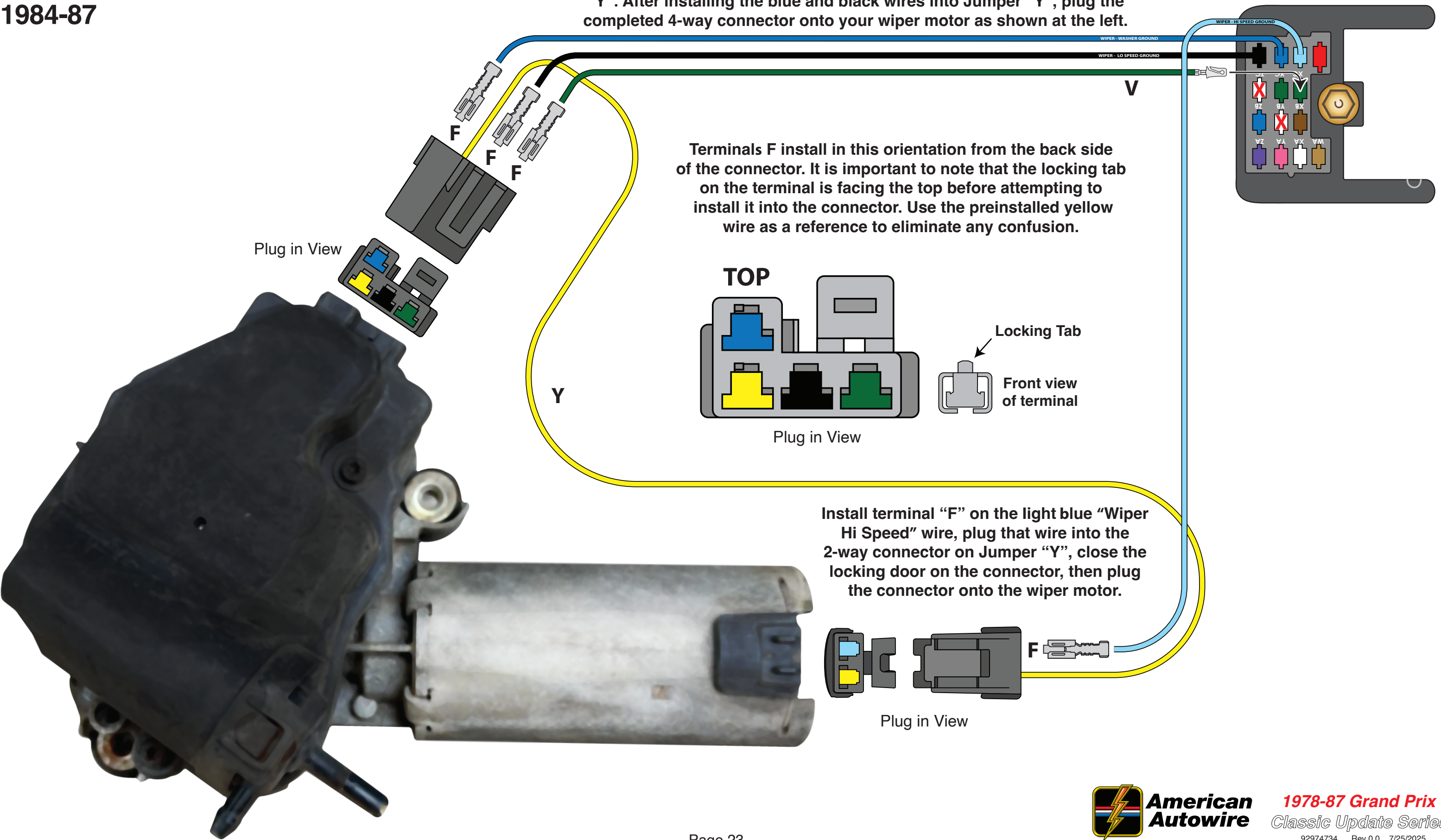
Wiper Motor Connections

1980-83

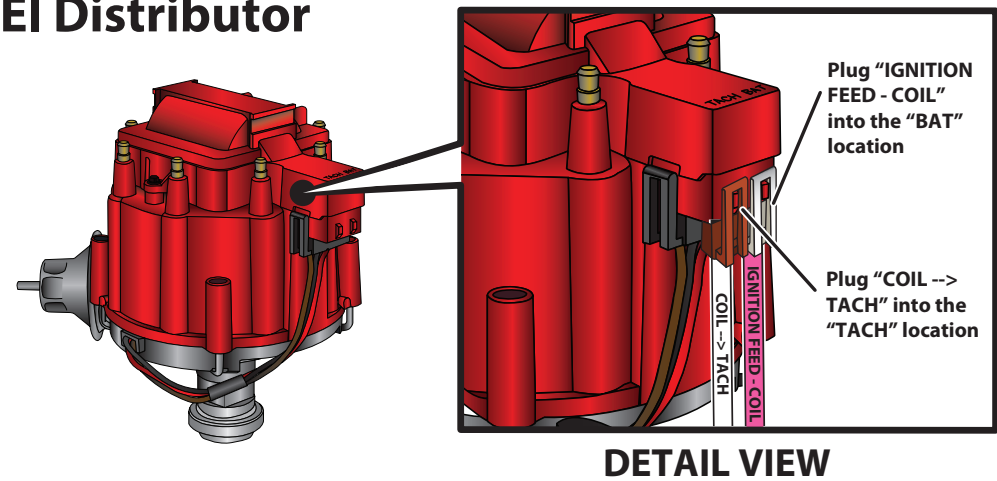


Engine harness installation instructions:
Wiper Motor Connections
1984-87

NOTE: If you have the pulse wiper option on your car, install wire “V” into the bulkhead connector as shown below, route the green wire to your wiper motor area, cut to length, install terminal “F”, and plug into jumper “Y”. After installing the blue and black wires into Jumper “Y”, plug the completed 4-way connector onto your wiper motor as shown at the left.



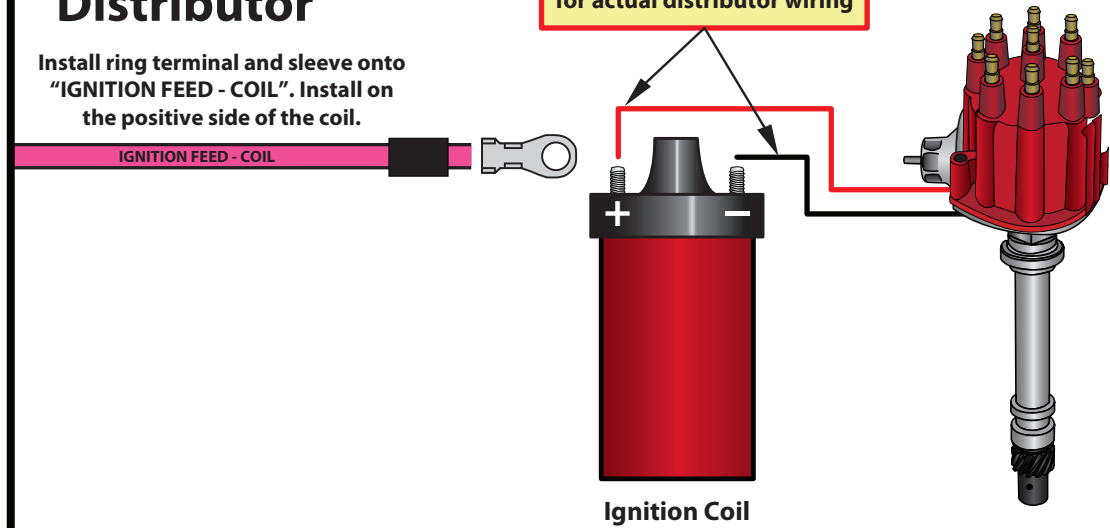
HEI Distributor



"Ready-to-Run" Distributor

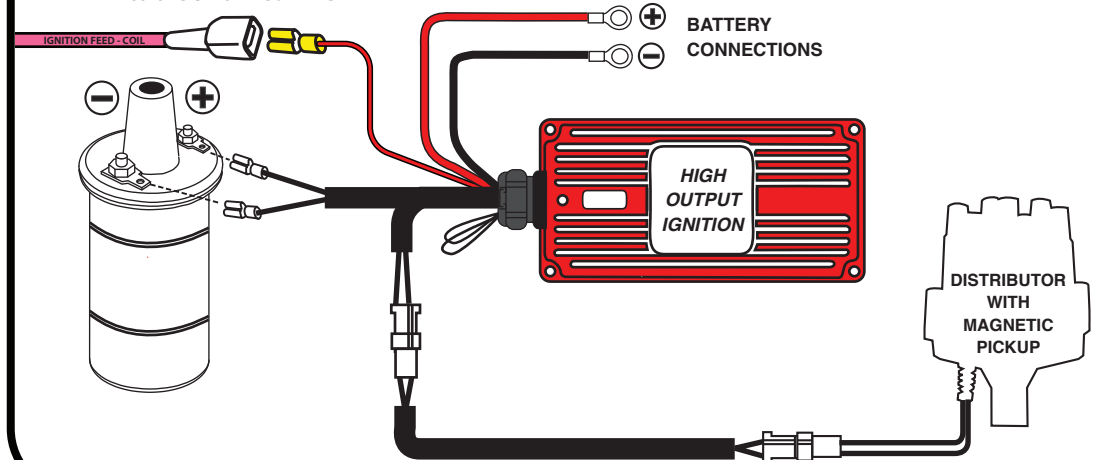
Install ring terminal and sleeve onto "IGNITION FEED - COIL". Install on the positive side of the coil.

Follow the distributor manufacturer's instructions for actual distributor wiring

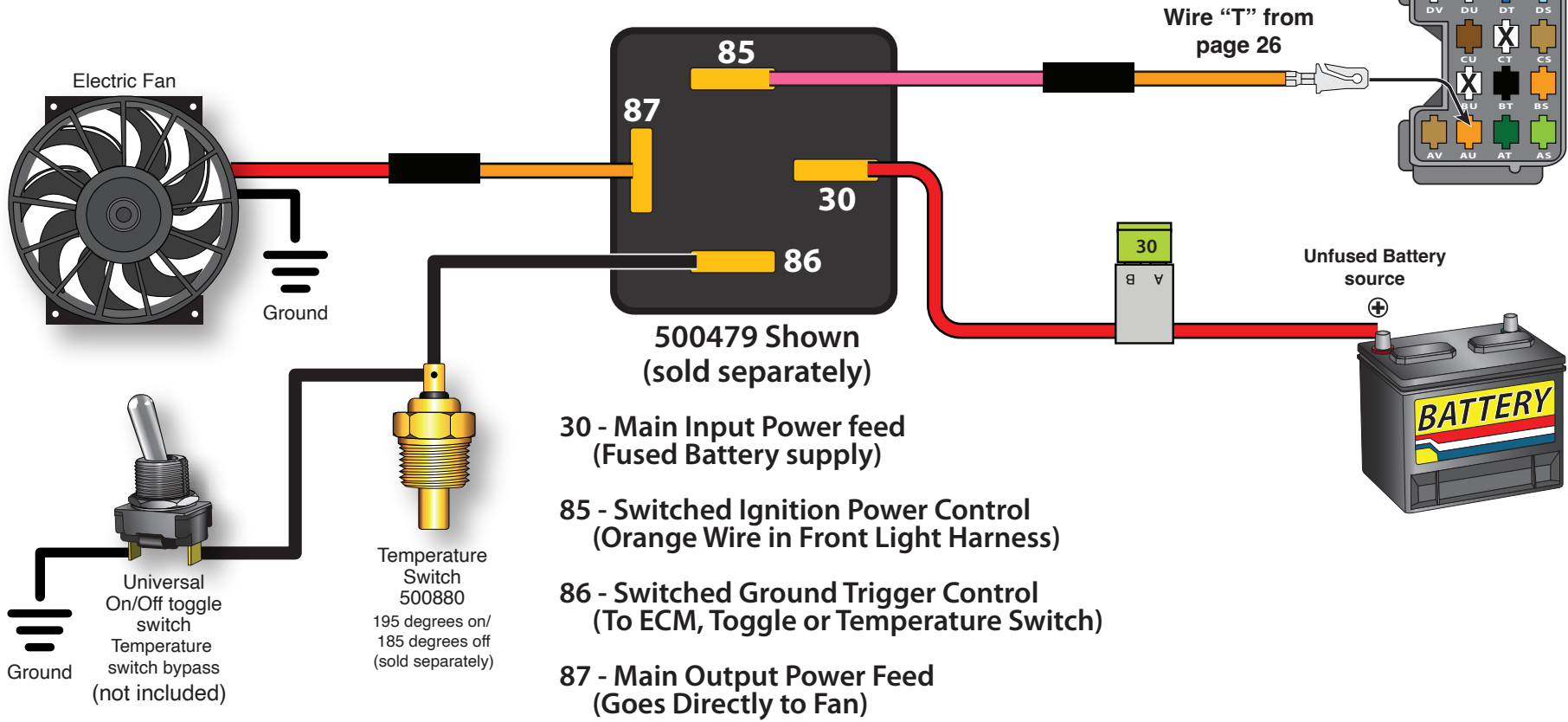


High Output Ignition Box with Magnetic Pickup Distributor

Plug "IGNITION FEED - COIL" into the small red wire

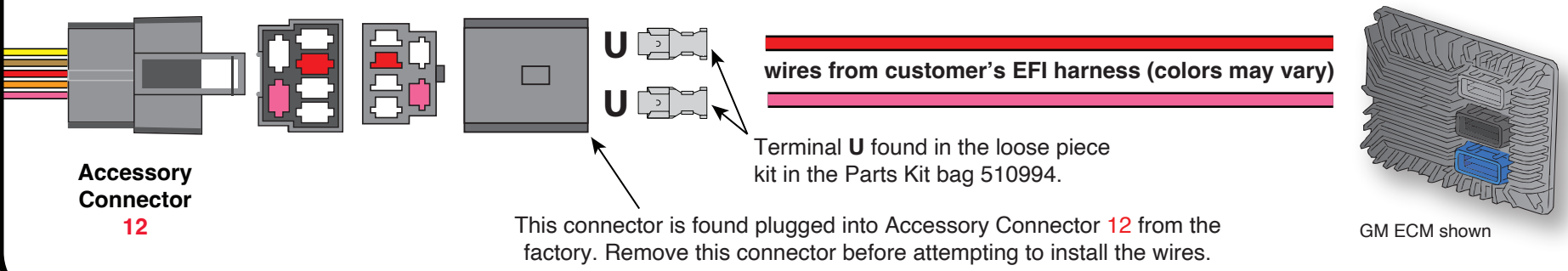


Electric fan connection with temperature switch and manual override



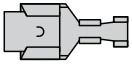
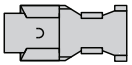
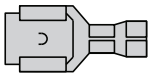
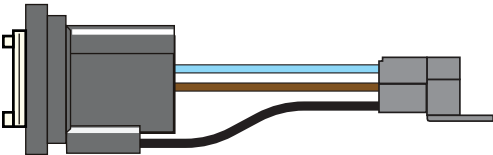
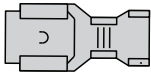
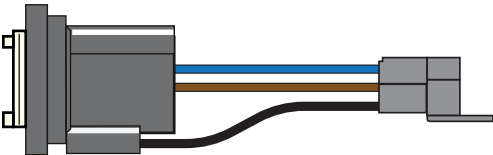
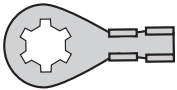
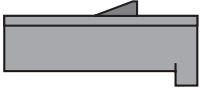
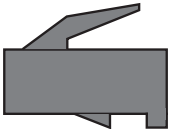
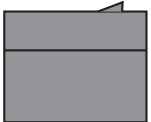
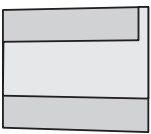
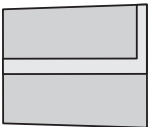
Fuel Injection Connections

Wire	Printing	Fuse	Description
RED	POWER LOCKS	5 - Power Locks	Fused 12 volt BATTERY, (FULL TIME hot for EFI computer)
PINK	POWER WINDOWS	8 - Power Window	Fused 12 volt IGNITION, (hot in the key ON and START positions for EFI computer)



Front Light harness installation instructions:

Shown below, are the supplied misc. terminals, plastic connector bodies and extensions 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 this Front Light instruction set.

A		56 Series single female terminal, 7 pcs	M		Brake differential pigtail, 1 pc
B		56 Series double female terminal, 10 pcs	N		Molded bulb socket, short, pigtail, 2 pcs
C		59 Series single female terminal, 5 pcs	P		Left turn socket, pigtail, 1 pc
D		59 Series single male terminal, 9 pcs	Q		Right turn socket, pigtail, 1 pc
E		Ring terminal, 2 pcs	R		Complete system ground wire, 1 pc
F		56 Series single male connector, 1 pc	S		Electric fan trigger wire, 1 pc
G		56 Series single male connector, 2 pcs			
H		56 Series double female connector, 2 pcs			
J		56 Series triple female connector, 2 pcs			
K		59 Series triple female connector, 2 pcs			
L		59 Series double female connector, 2 pcs			

Front Light harness
installation instructions:

1978-80 Grand Prix

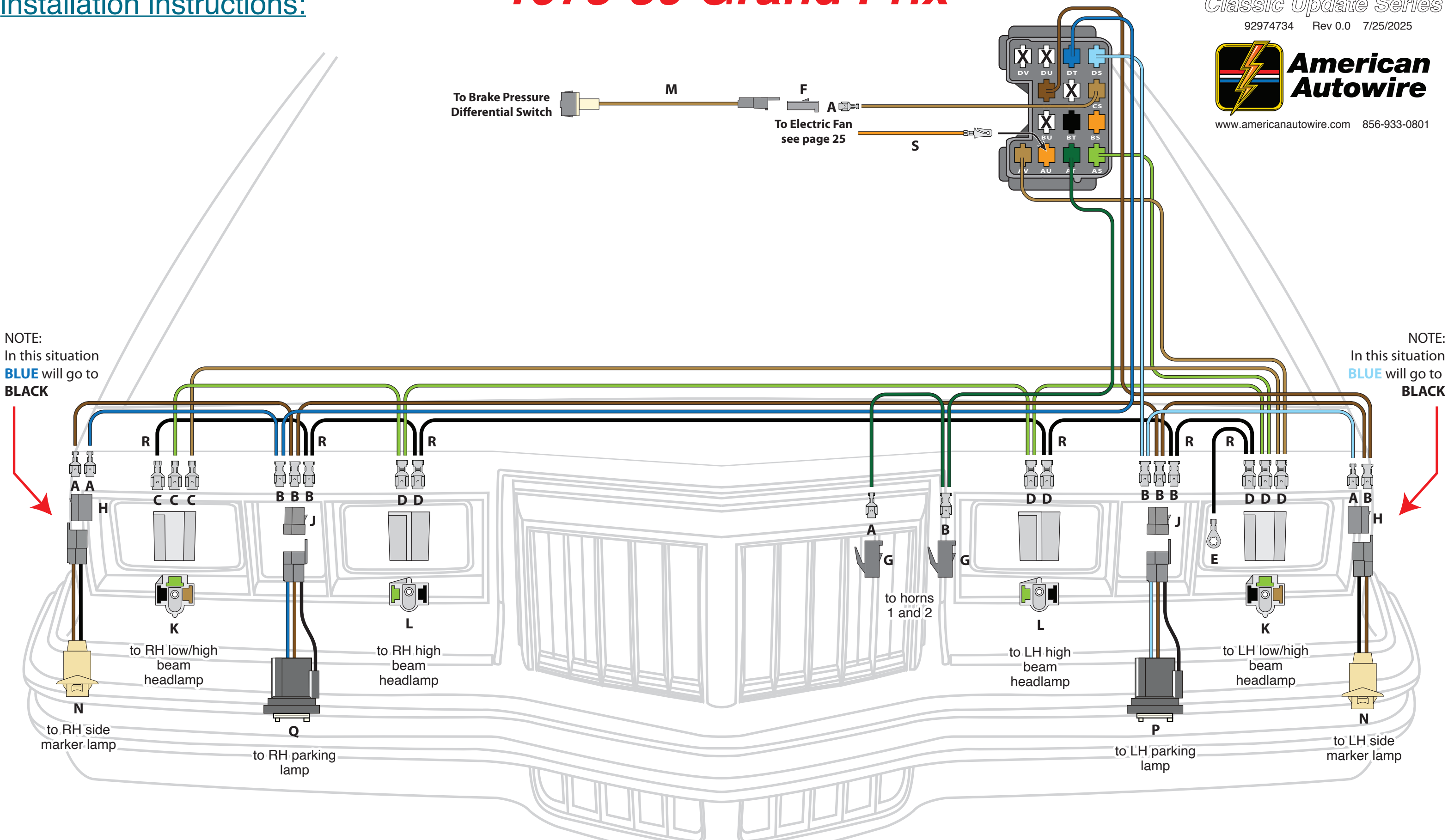
1978-87 Grand Prix
Classic Update Series

92974734 Rev 0.0 7/25/2025



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Front Light harness
installation instructions:

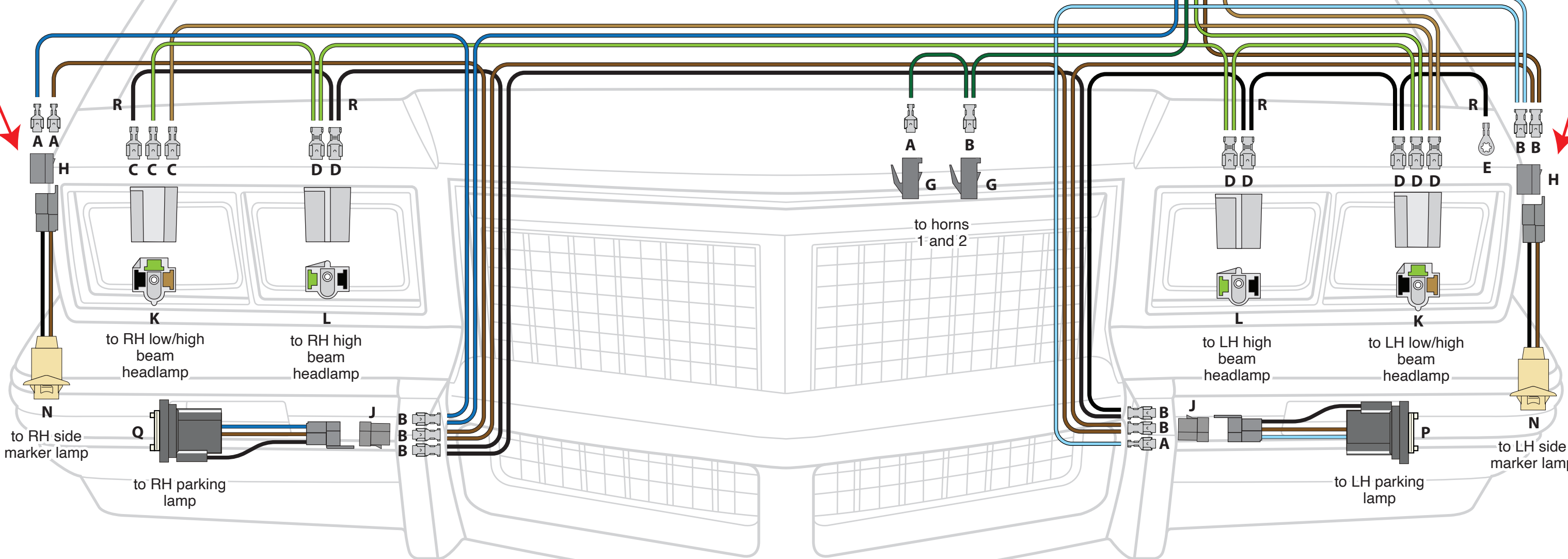
1981-87 Grand Prix

1978-87 Grand Prix
Classic Update Series
92974734 Rev 0.0 7/25/2025



NOTE:
In this situation
BLUE will go to
BLACK

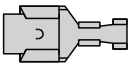
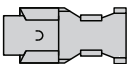
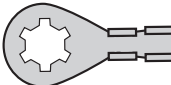
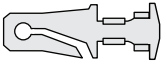
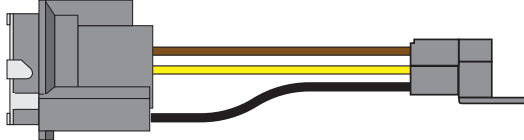
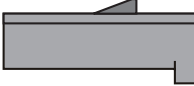
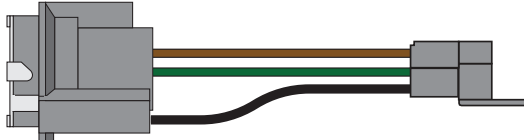
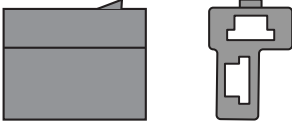
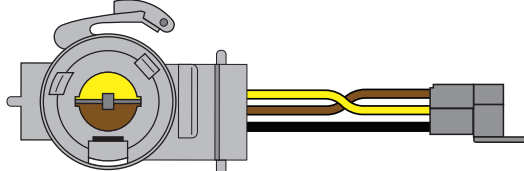
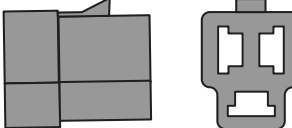
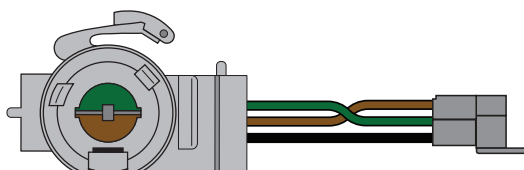
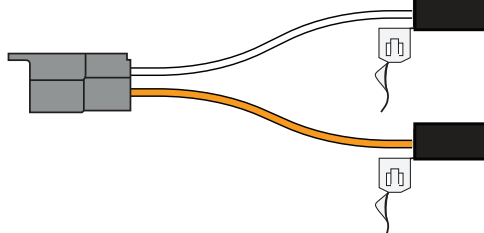
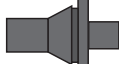
NOTE:
In this situation
BLUE will go to
BLACK



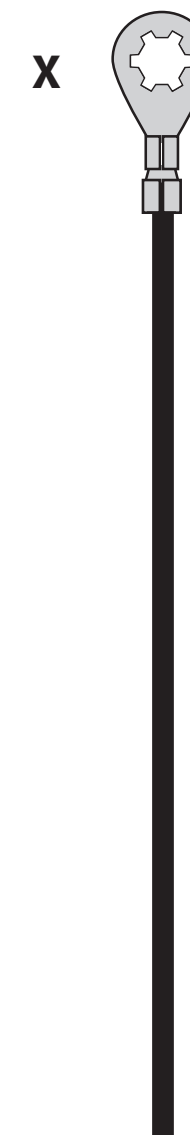
Rear Body and Dome harness installation instructions:

M

Shown below, are the supplied pigtails, wires, misc. terminals, and plastic connector bodies included in the 510985 Rear Body Harness and Loose Piece kit, bag "M". These will be used to complete your Rear Body and Dome Lamp connections. They are itemized and referred to on this page, just as they are on the following pages of this Rear Body Harness instruction set.

A		56 Series single female terminal, 12 pcs	M		Fuel Sender pigtail, 1 pc
B		56 Series double female terminal, 23 pcs	N		Molded bulb socket, short, pigtail, 3 pcs
C		Ring terminal, 2 pcs	P		Molded bulb socket, 90 degree, pigtail, 1 pc
D		56 Series single male terminal, 2 pcs	Q		Left tail socket, pigtail, 78-80, 2 pcs
E		56 Series single female connector, 1 pc	R		Right tail socket, pigtail, 78-80, 2 pcs
F		56 Series single male connector, 1 pc	S		Back up lamp socket, pigtail, 2 pcs
G		56 Series double female connector, 8 pcs	T		Left tail socket, pigtail, 81-88, 2 pcs
H		56 Series triple female connector, 4 pcs	U		Right tail socket, pigtail, 81-88, 2 pcs
J		Body grommet, 1 pc	V		Dome/Courtesy, pigtail, ALL, 3 pcs
K		Body grommet, 2 pcs			
L		Body grommet, 1 pc			

Ground Wire, 1 pc



1978-87 Grand Prix
Classic Update Series

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Rear Body harness
installation instructions:

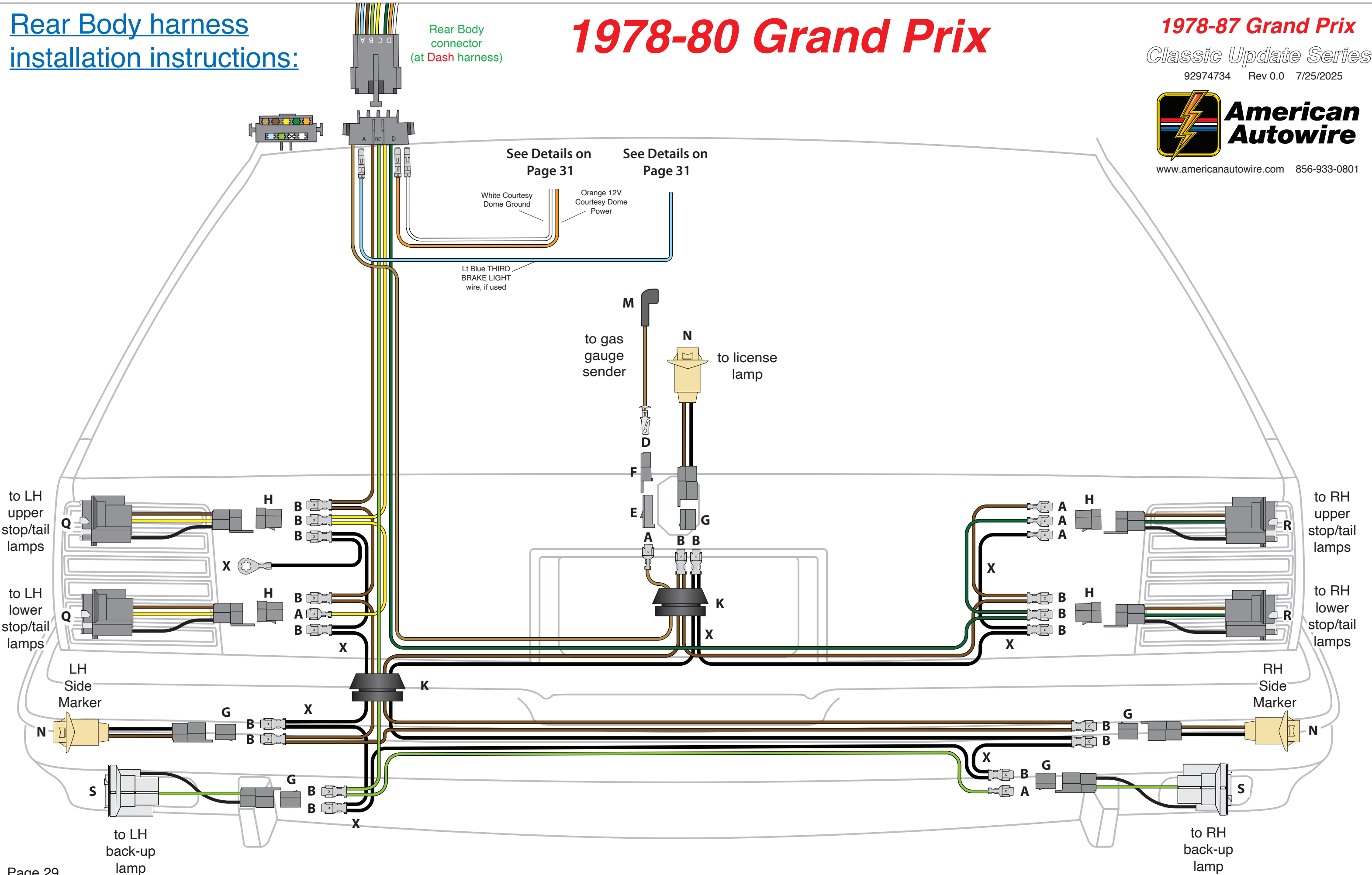
1978-80 Grand Prix

1978-87 Grand Prix
Classic Update Series

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Rear Body harness
installation instructions:

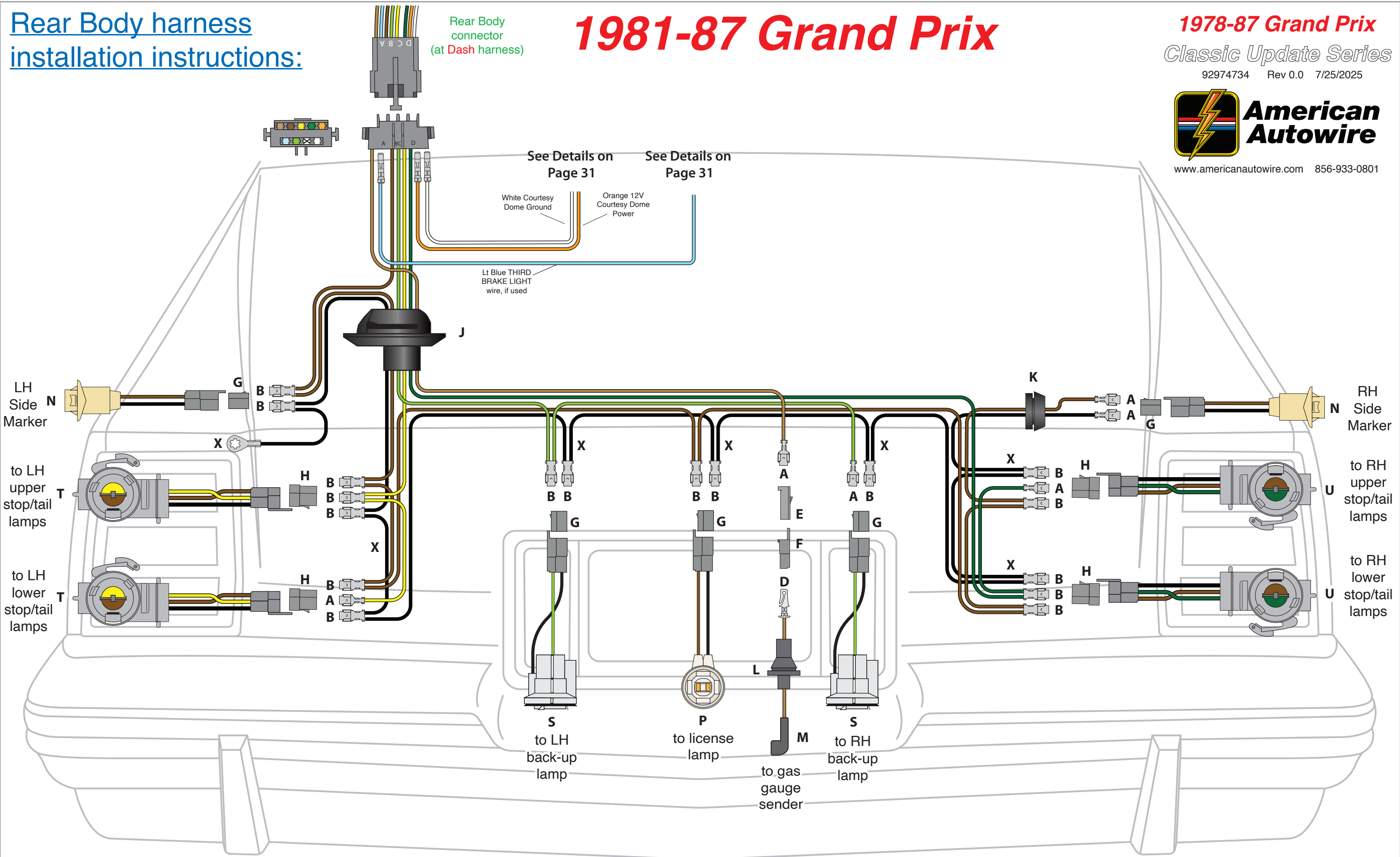
1981-87 Grand Prix

1978-87 Grand Prix
Classic Update Series

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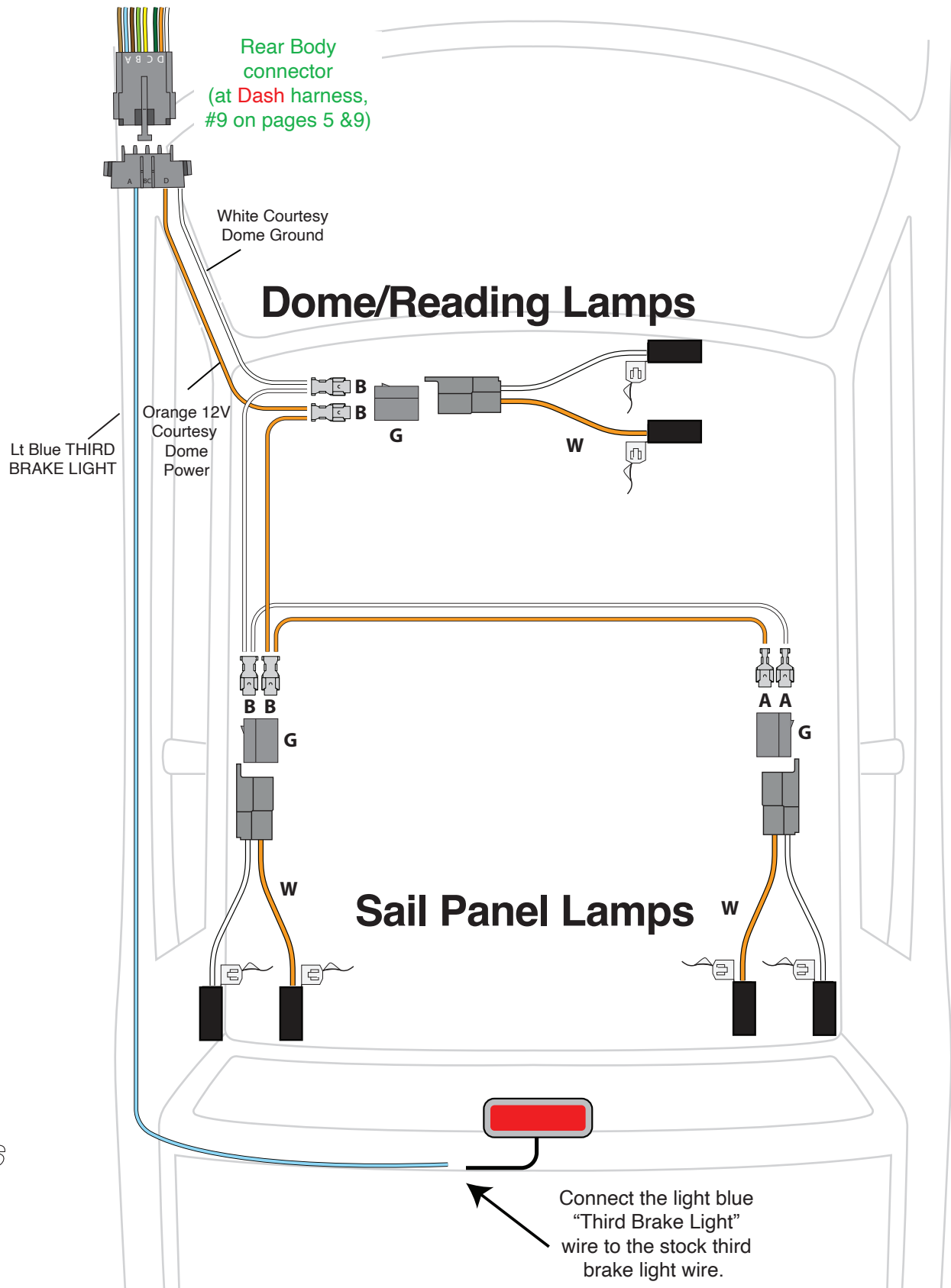


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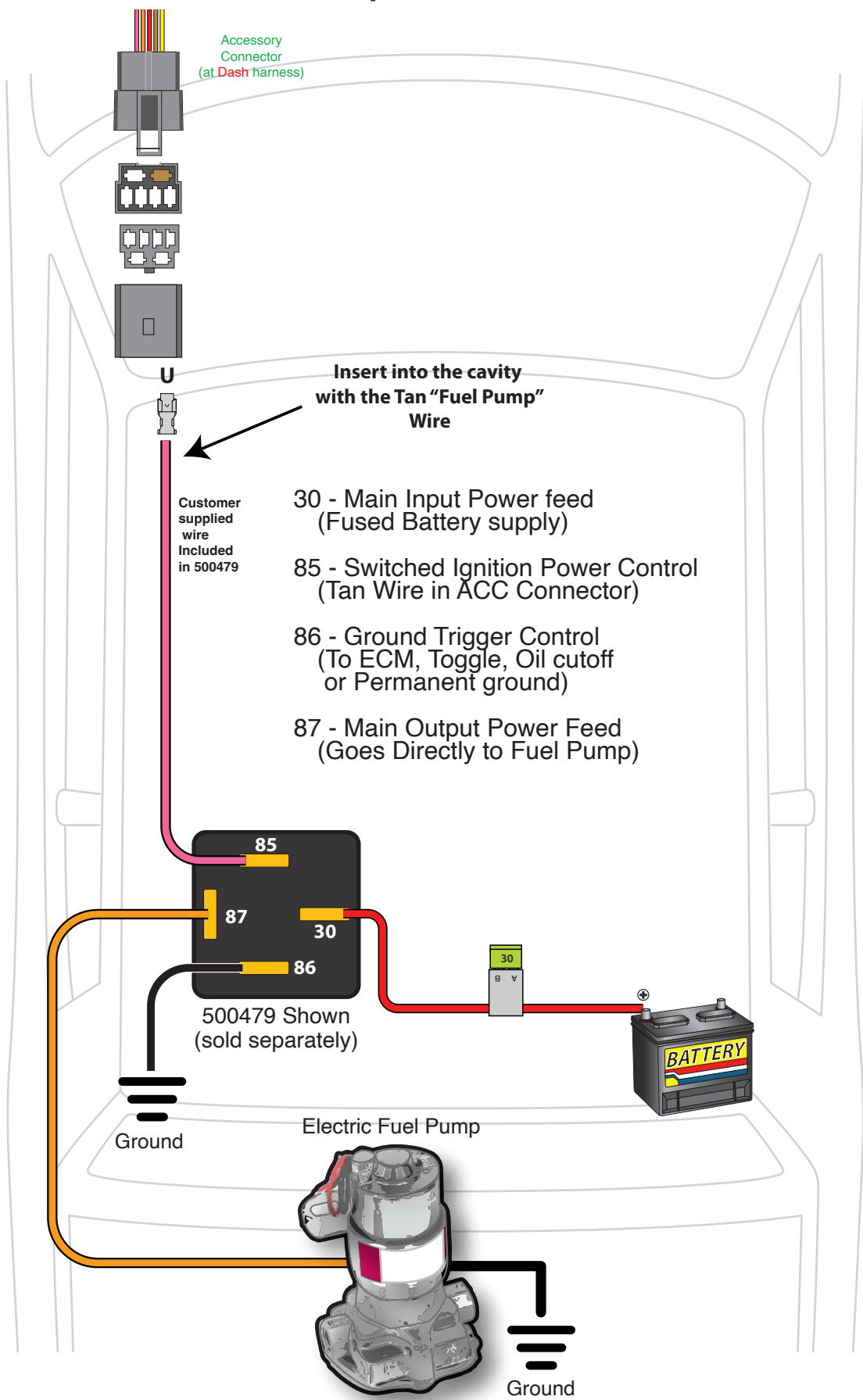


Rear Body harness
installation instructions:

Dome Light and Third Brake Light Wiring
Top View of Car



Electric Fuel Pump with 40 Amp Relay Wiring
Top View of Car



1978-83 Malibu
1978-88 Monte Carlo
Classic Update Series
92973804 Rev 0.0 2/22/2025



Before you begin:

Read the entire instruction sheet before starting. Ensure all components are present. If anything is missing, stop and contact American Autowire at 856-933-0801. Always disconnect the negative battery cable before beginning installation.

Fuse Block Mounting and Assembly:

- 1. Choose a mounting location close to the battery power source, under the hood, and secure the fuse block using mounting screws (not included) of your choice.
 - Ensure both the 12 ft. 6Ga. charging wire and the 10Ga. main power feed can reach this location. The 6Ga. charging wire will need to connect to the alternator, the megafuse block, and the starter/battery junction.
- 2. Detach the fuse block cover and remove the factory-installed nuts and lock washers from the studs.
- 3. Place the busbar jumper (Item “D”) across the designated studs.
 - Important: The jumper must be installed on the side that connects to your main power source (starter solenoid or battery junction).
- 4. Install one 175A megafuse (Item “C”) onto each fuse position in the block.
- 5. Reinstall the nuts and lock washers loose over the jumper and fuses.

Battery Feed Wiring:

Route the 6Ga. Charge Wire (Item “A”) from the mounted Megafuse Block (Item “B”) to the battery stud on the starter solenoid, or a similar battery junction, under the hood and cut to length. Cut the 3/8” Shrink Tubing into 1 inch lengths. Slide one of these smaller lengths over each end of the charge wire.

- **At the starter end:** Crimp and solder a 6Ga. Starter Ring Terminal (Item “G”) and then insulate the crimp with the previously installed shrink tube. Secure the newly crimped end to the battery stud on the starter solenoid or battery junction.
- **At the megafuse block end:** Crimp and solder a 6Ga. Megafuse Ring Terminal (Item “H”) and then insulate the crimp with the previously installed shrink tube. Attach the crimped end to the megafuse block on the **busbar** side of the fuses. Tighten securely.

Alternator Feed Wiring:

Route the remaining length of the 6Ga. Charge Wire (Item “A”) from the mounted Megafuse Block (Item “B”) to the battery stud on the alternator and cut to length. Slide one of the cut, 1 inch lengths of shrink tube (Item “F”) over the end of the charge wire closest to the megafuse block.

- **At the alternator end:** Slide the Alternator Boot (Item “E”) on the end of the wire. Crimp and solder a 6Ga. Alternator Ring Terminal (Item “J”) and secure the newly crimped end to the battery stud on the alternator.
- **At the megafuse block end:** Crimp and solder a 6Ga. Megafuse Ring Terminal (Item “H”) and then insulate the crimp with the previously installed shrink tube. Attach the crimped end to a fuse stud on the **side opposite the busbar**. Tighten securely.

Panel Feed Wiring:

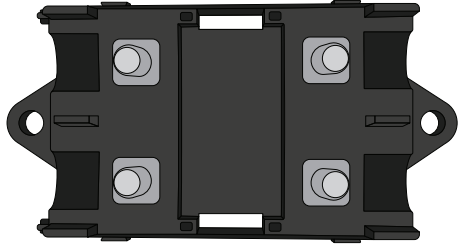
Locate the 10Ga. “12V Battery Feed” wire from the engine or panel subkit, route it to the Megafuse block, cut to length, and slide a piece of the cut shrink tubing (Item “F”) over the cut end. Crimp and solder a 10 GA. megafuse ring terminal (Item “K”) on the end and insulate the crimp with the shrink tubing. Attach to the remaining open fuse stud on the side **opposite the busbar**. Tighten securely.

Parts Legend:

- A



B



C



D



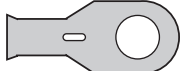
E



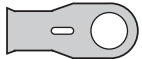
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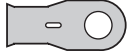
G



H



J



K


- bag

Z
- 6 Gauge Charge Wire - QTY (1)
(144.0” Length)

Megafuse Block - QTY (1)
(Lid not shown)

175A Megafuse - QTY (2)

Megafuse Block Busbar - QTY (1)

Alternator Boot - QTY (1)

3/8” Shrink Tubing - QTY (1)
(8.0” Length)

6Ga. Starter Ring Terminal - QTY (2)
Fits 3/8” Stud

6Ga. Megafuse Ring Terminal - QTY (3)
Fits 5/16” Stud

6Ga. Alternator Ring Terminal - QTY (2)
Fits 1/4” Stud

10Ga. Megafuse Ring Terminal - QTY (2)
Fits 5/16” Stud



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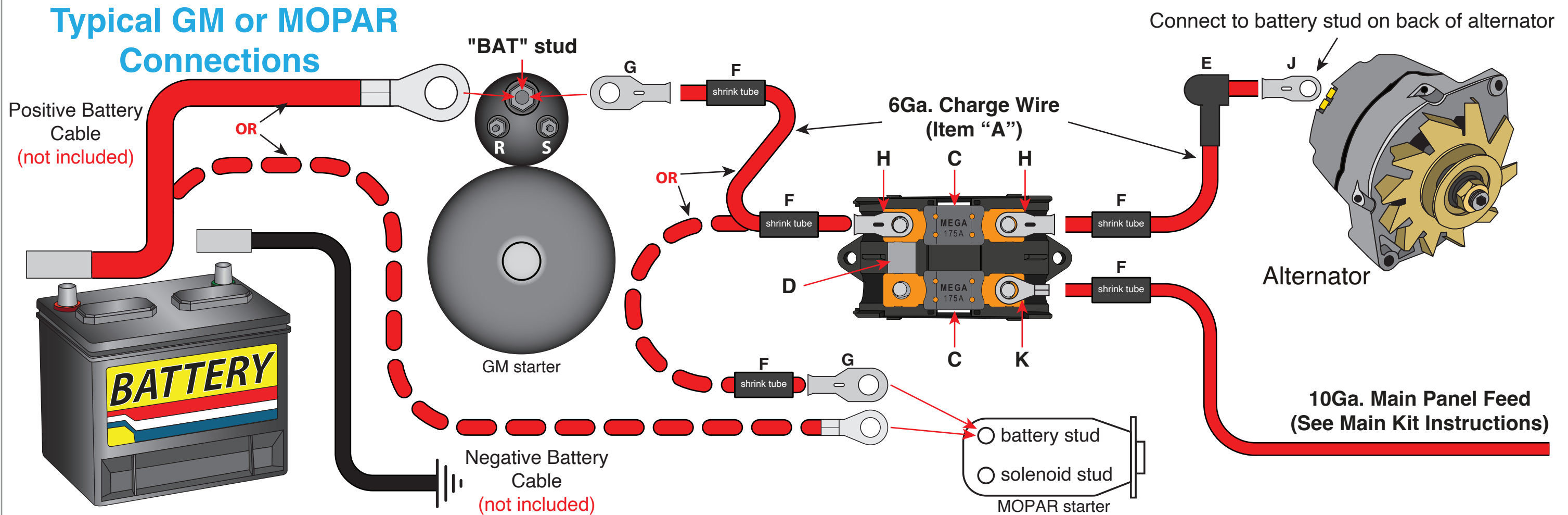
Alternator and Main Power
Connection Kit

510476

Classic Update Series

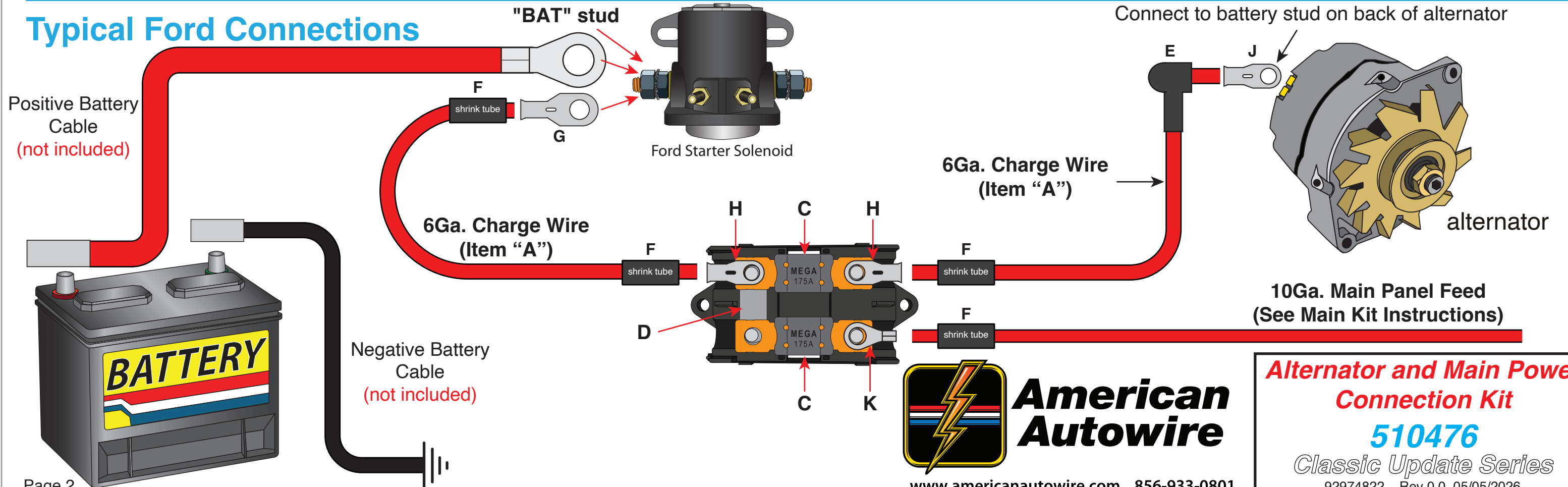
92974822 Rev 0.0 05/05/2026

Typical GM or MOPAR Connections



bag
Z

Typical Ford Connections



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**Alternator and Main Power
Connection Kit**

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