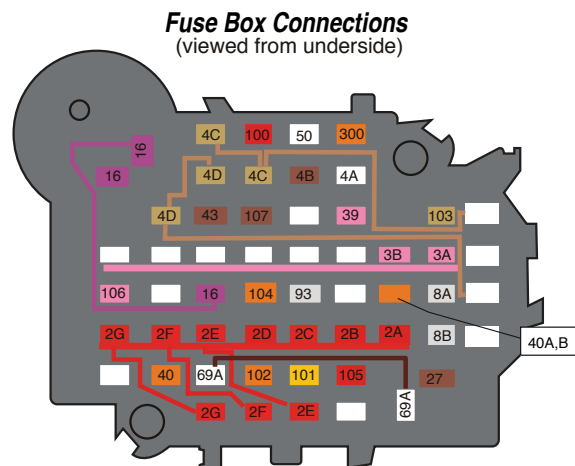


22 Circuit Wiring Kit Instructions 910-64022



INSTRUCTIONS

22 Circuit Wiring Kit

Instructions

910-64022

Fuse Panel, Engine Compartment

Front of Vehicle Connections

1. Run the dark green horn feed [29] wire to the positive connection on your horn.
2. Run the orange electric fan wire [300] to a fan relay. Wire to terminal 85 of the relay. DO NOT use as direct power for the fan. Run power direct from battery with in-line fuse based on fan specs. (wire/fuse not included)
3. Run the light green headlight high beam [11A] and tan headlight low beam [12] to the front of the vehicle. You will have to splice this wire so you can run it to both headlights. Connect these wires along with the headlight ground wires to the connectors as per the diagram on this page.
4. Run the dark green water temp sender [35] to the water temperature sender.
5. Run the dark blue oil pressure sender wire [31] to the oil pressure sender.
6. Run the pink ignition feed [3A] wire to either the battery side of a GM HEI distributor or the ballast resistor on a points style distributor. If you're using an after market ignition modules please follow its instructions for specific directions.
7. Run the white wiper feed wire [93] to the wiper motor positive side connection.
8. Run the brown park lights [9A] wire to a splice then to both of the front park lights. If you are using a duel filament bulb it should be connected to the low filament.
9. Run the white coil-tachometer wire [121] wire to the tach terminal on a GM HEI distributor, the negative side of the coil, or to a tach connector on a after market ignition module.
10. Run the dark blue right front turn [15A] to the right front directional lamp. This would be connected to the high side if you're using a dual filament bulb for park/turn.
11. Run the light blue left front turn [14A] to the left front directional lamp. This would be connected to the high side if you're using a dual filament bulb for park/turn.

WIRE #	COLOR	PRINTING
11A	Light Green	Headlight High Beam
15A	Dark Blue	Right Front Turn
14A	Light Blue	Left Front Turn
9A	Brown	Park Lights
29	Dark Green	Horn
300	Orange	Electric Fan
35	Dark Green	Water Temp
31	Dark Blue	Oil Pressure
93	White	Wiper
3A	Pink	Ignition
121	White	Tachometer
40A	Orange	Dome
156	Gray	Dome Ground

Fuse Panel

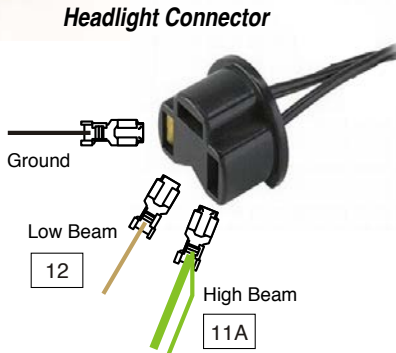
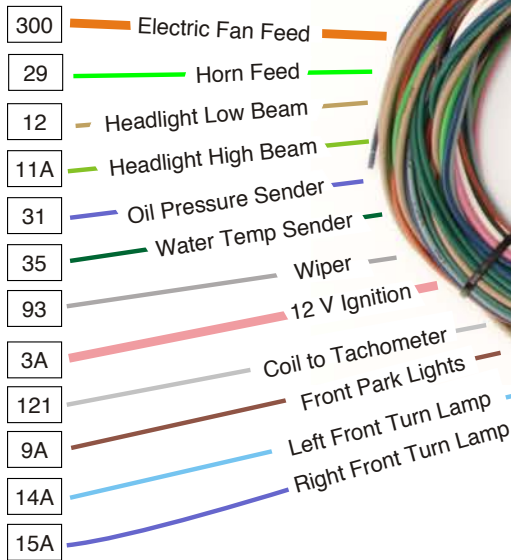
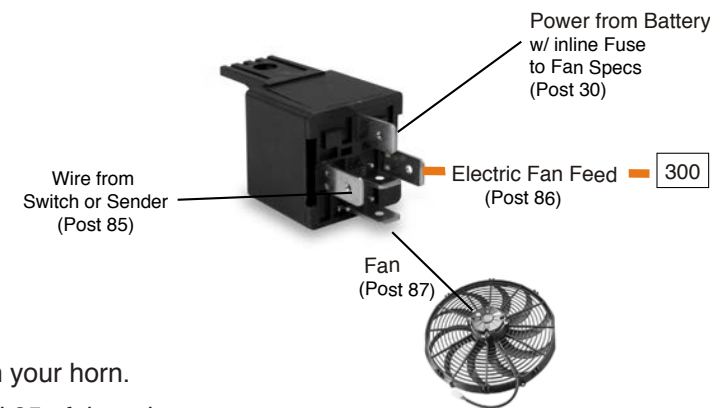
This fuse panel is designed to be mounted under a dash away from the elements. It should not be exposed to the elements.

Horn and Dimmer Plugs

Route the dome light ground wire [156] to the dome light. This wire allows the headlight switch to turn on the dome light.

Insure the dome light feed wire [40A] is routed to the proper location. This system uses a switched ground system for the dome light using the headlight switch and door switches.

Plug the horn relay and dimmer switch into their respective connectors.



Active fuses based on Power:

Battery

Power:

Brake Lights
Power Locks
Clock
Power Seats
Hazard
Parking Lights
Power Windows

Accessory

Power:

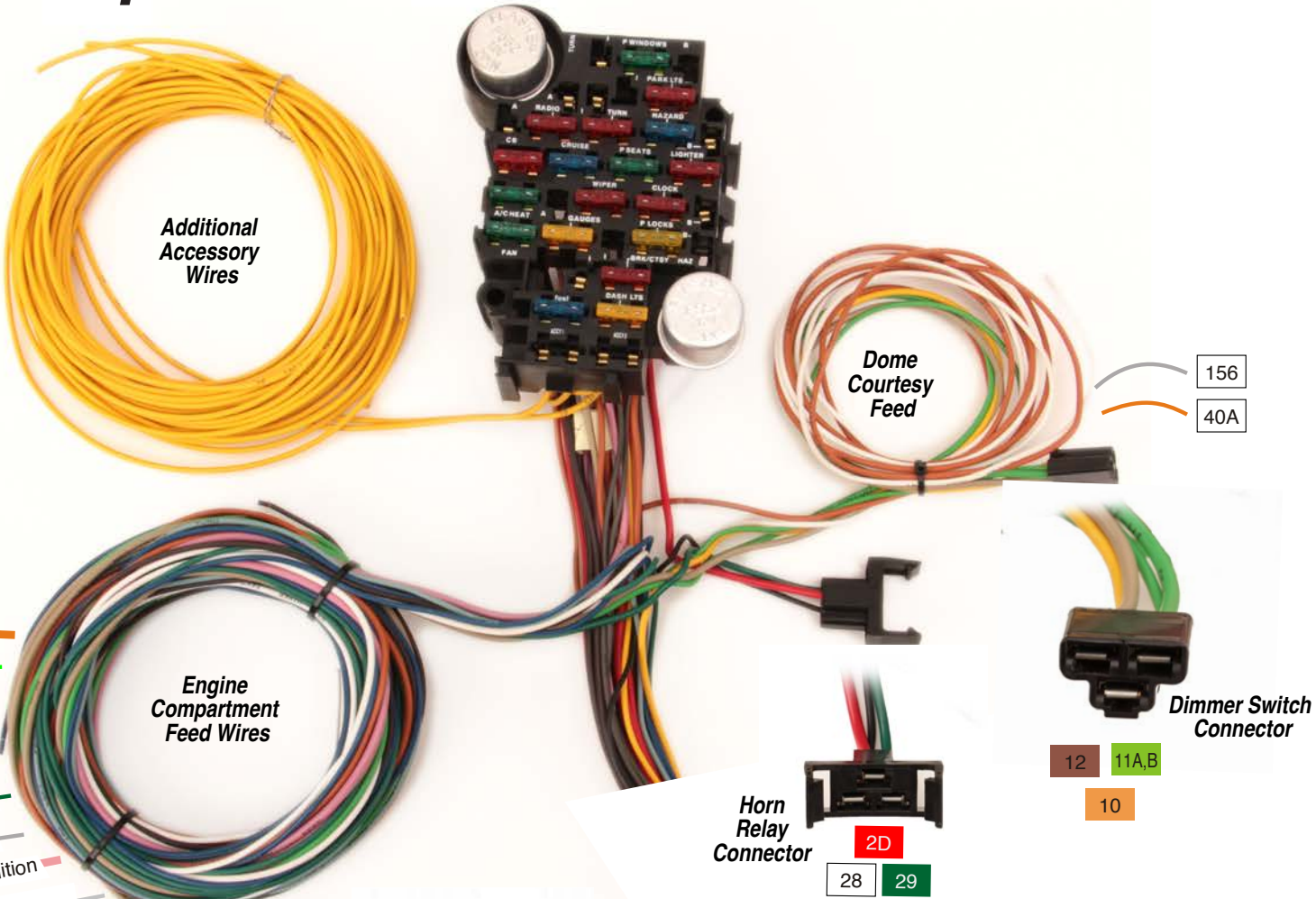
Radio
CB
AC/Heat
Fan

Ignition

Power:

Gauges
Fuel Pump
Wipers
Cruise
Turn Signals

FUSE AMPS
5
10
15
20
30



INSTRUCTIONS

22 Circuit Wiring Kit Instructions 910-64022

Rear, Power, Brakes and Accessory

Rear Connections

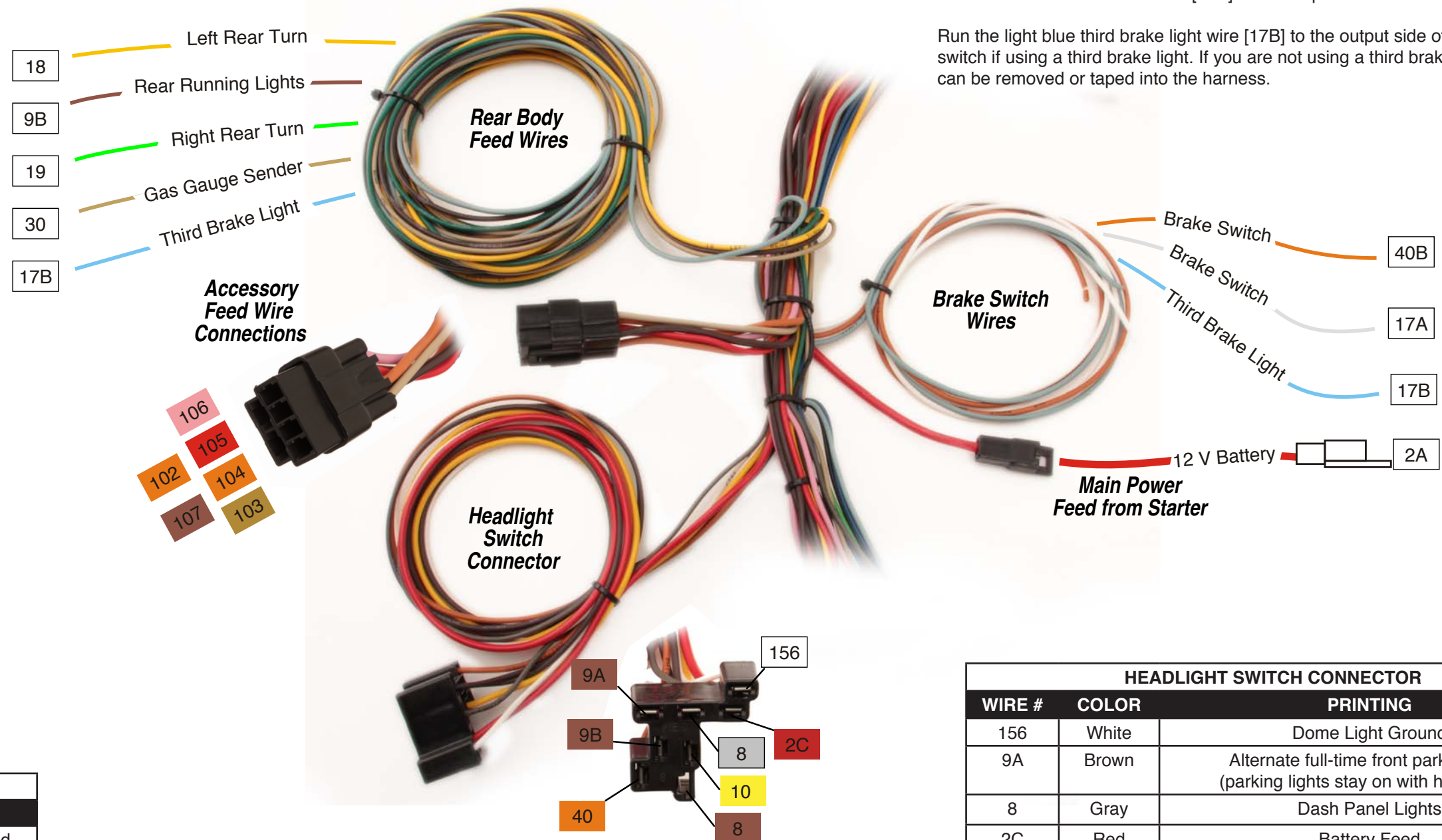
Run the light blue third brake light wire [17B] to the third brake light positive side. If you are not using a third brake light this wire can be either taped into the harness or removed.

Run the tan gas gauge [30] wire to the sending unit on the fuel tank.

Run the yellow left rear turn signal wire [18] to the left rear directional light. This should be connected to the high side of a dual filament bulb.

Run the dark green right rear turn signal wire [19] to the right rear directional light. This should be connected to the high side of a dual filament bulb.

Run the brown rear running lights [9B] to the rear of the vehicle, it will need to be spliced to run to both lights. This wire should be connected to the low side of a dual filament bulb.



Accessory Wires

The kit is designed with 5 accessory fused circuits. These are all plugged into one plug, the kit includes the spades required to attach into this plug.

ACCESSORY FEED WIRE CONNECTION			
WIRE #	TYPE	COLOR	PRINTING
102	Battery	Orange	12 Volt Battery Fused
103	Ignition	Tan	Fuel Pump
104	Battery	Orange	Power Seats
105	Battery	Red	Power Locks
106	Ignition	Pink	Power Windows
107	Accessory	Brown	Ignition Sw Accy

Power and Brake Connections

Connect the main battery wire [2A] to the “bat” stud on a GM starter solenoid or the battery side of a ford starter relay. Use the included fusible link wire marked 12V battery, to perform this task.

Run the orange brake switch wire [40B] to the input side of the brake light switch

Run the white brake switch wire [17A] to the output side of the brake light switch

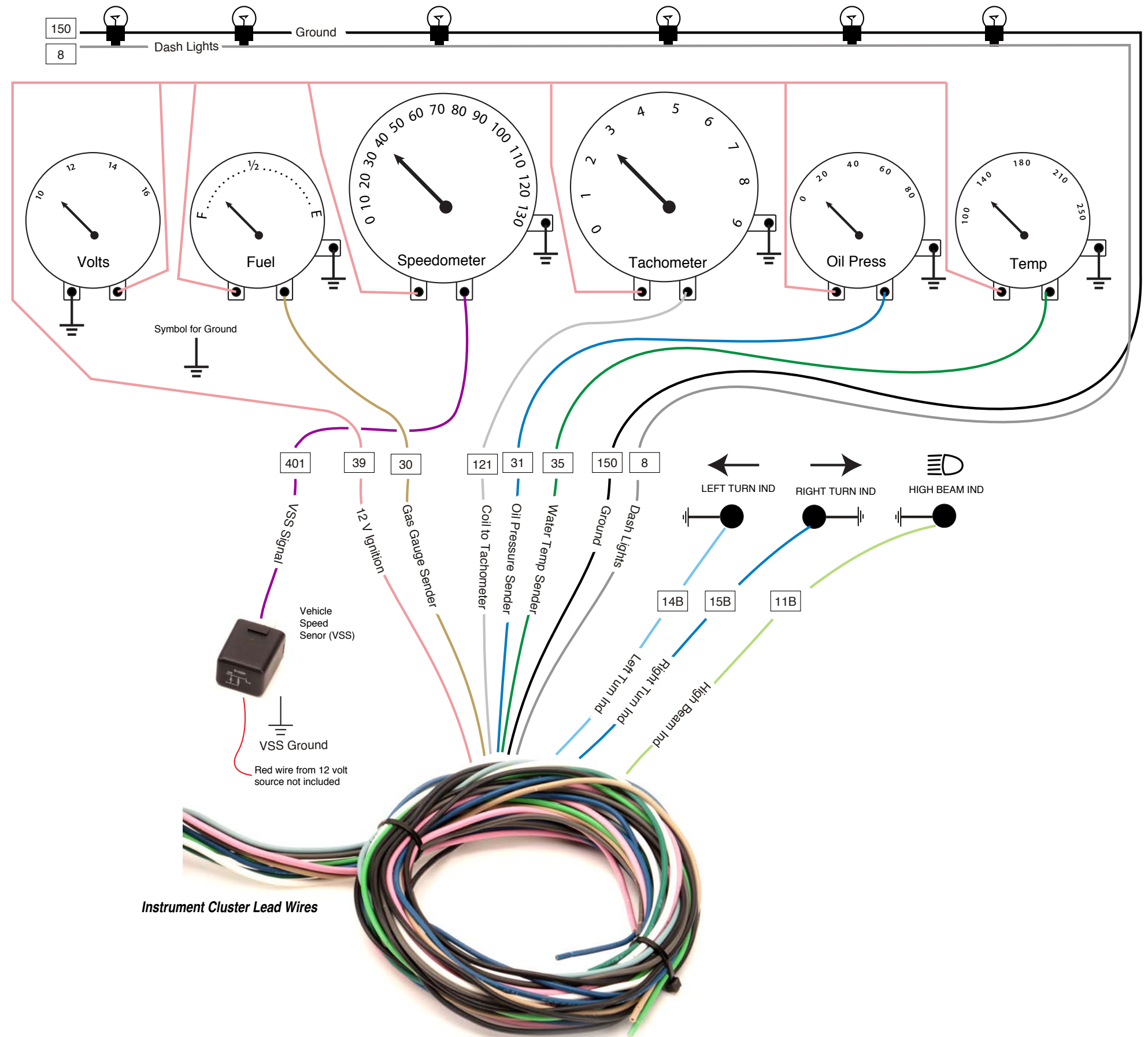
Run the light blue third brake light wire [17B] to the output side of the brake light switch if using a third brake light. If you are not using a third brake light this wire can be removed or taped into the harness.

HEADLIGHT SWITCH CONNECTOR		
WIRE #	COLOR	PRINTING
156	White	Dome Light Ground
9A	Brown	Alternate full-time front parking lamp (parking lights stay on with headlights)
8	Gray	Dash Panel Lights
2C	Red	Battery Feed
9B	Brown	Rear Tail Lamp
10	Yellow	Headlight Dinner
40	Orange	Fused Battery Feed
“8” Optional	Brown	Front Parking Lamp (parking lights off with headlights are on)

INSTRUCTIONS

22 Circuit Wiring Kit Instructions 910-64022

Instrument Cluster



INSTRUMENT CLUSTER WIRING

The diagram above shows a typical electrical gauge wiring system. If you use a mechanical speedometer you will only require the gauge lighting to go to it, same for a mechanical tachometer. Vehicle speed sensor wires are supplied in the sub kit 910-64027-4, for mechanical speedometers these can be ignored. Always follow gauge manufactures instructions and vehicle speed sensor instructions for specific installation.

WIRE #	COLOR	PRINTING
11B	Light Green	Headlight High Beam
15B	Dark Blue	Right Front Turn
14B	Light Blue	Left Front Turn
35	Dark Green	Water Temp
31	Dark Blue	Oil Pressure
121	White	Tachometer
401	Purple	VSS Signal
39	Pink	12 V Ignition
30	Tan	Gas Gauge Sender
150	Black	Ground
8	Gray	Dash Lights

INSTRUCTIONS

22 Circuit Wiring Kit Instructions 910-64022

IGNITION SWITCH WIRING

Run the brown ignition switch accessory [4B] wire to the accessory terminal (ACC) on your ignition switch.

Run the red 12V battery [2B] wire to the battery terminal (BAT) on your ignition switch.

Run the pink ignition feed [3B] wire to the ignition terminal (IGN) on your ignition switch.

WIRE #	COLOR	PRINTING
2B	Red	Battery (BAT)
3B	Pink	Ignition (IGN)
4B	Brown	Accessory (ACC)
4A	Brown	Alternator Ignition
2A	Red	12V Battery

ALTERNATOR AND STARTER WIRING

Run the purple starter solenoid wire to the neutral safety switch to the S terminal on a GM starter solenoid.

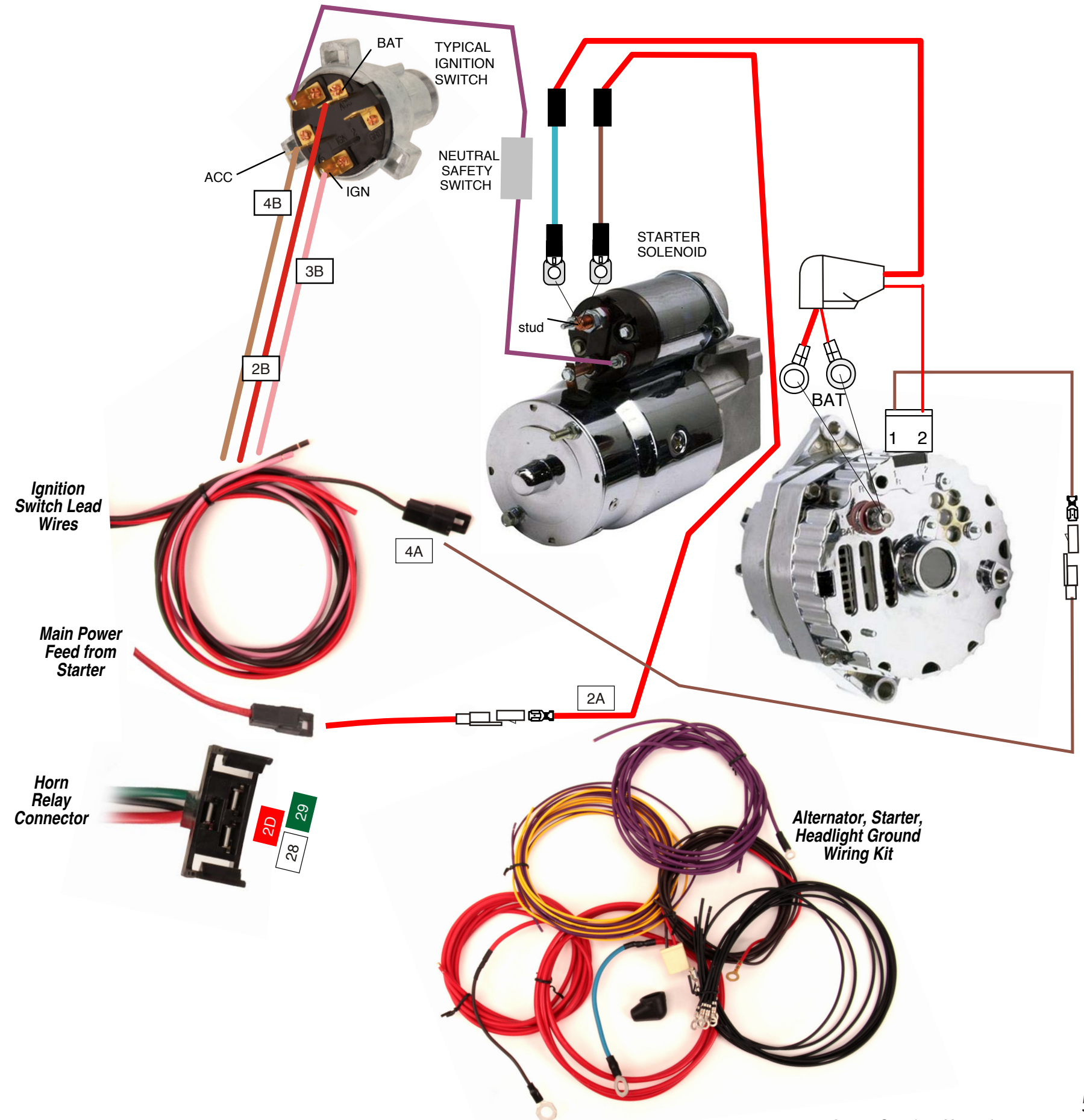
Run the purple neutral safety switch wire from the solenoid terminal on the ignition switch to the neutral safety switch. If you are not running a neutral safety switch this wire can be extended and run straight to the S terminal on your starter.

Run the red 12V battery wire with the blue fusible link to the battery stud on your alternator, this wire will then run to the BAT stud on your starter. Use the protective boot included over the stud on your alternator. If you are using a one wire alternator this is the only wire you will connect to your alternator.

Run the brown alternator ignition [4A] wire to its mating terminal on the ignition switch branch of the main harness. Plug the connector pre-installed on this wire into the terminal on your alternator. For a one wire alternator you will not use this plug.

Run the red wire attached to the plug in connector for your alternator to the battery stud on your alternator. Route the wire through the protective boot over the stud. For a one wire alternator you will not use this wire.

Run the red 12V battery wire with the brown fusible link from your starter BAT stud to its mating wire located in the Power and Brake connection branch. You will need to install appropriate connectors to the end once this is cut to the correct length.



INSTRUCTIONS

22 Circuit Wiring Kit

Instructions

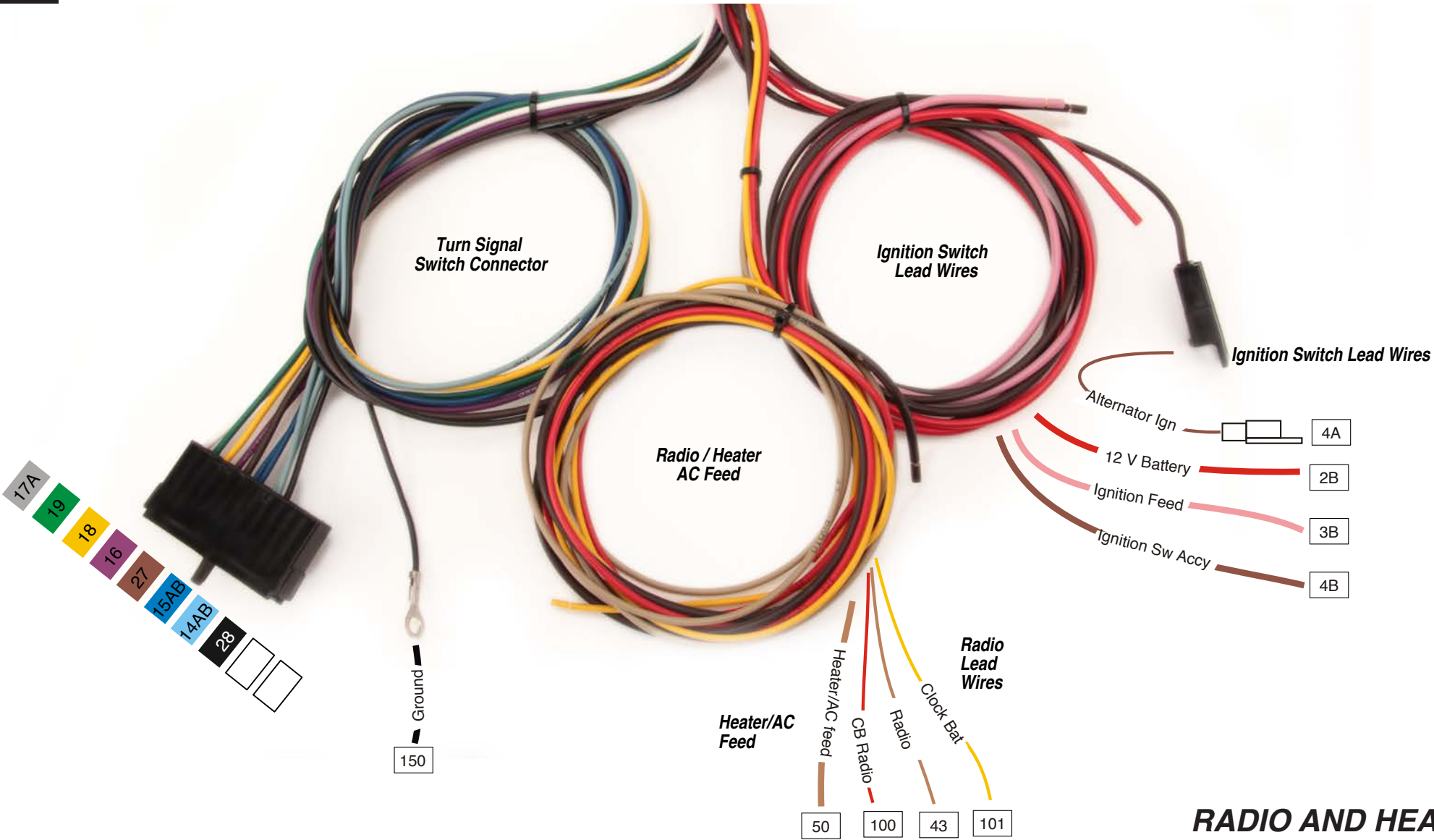
910-64022

Ignition Switch, Signals, Radio and Heater

TURN SIGNAL SWITCH CONNECTIONS

This kit was designed to function with a factory GM style switch and column plug. It plugs into the 3-7/8” plug found on GM columns from 1969-1974. It is found on a majority of after market columns including Speedway’s Tilt Columns such as p/n 910-32972

If you are using a later 1975 and on column we have included a connector to convert over to the required style. The columns use the same pin out locations making the swap easy; please follow the wiring table below to install the adapter plug on a column.



RADIO AND HEATER CONNECTIONS

Run the brown heater/ac wire [50] to a heater/ac control unit. Follow instructions provided by manufacture for proper connection.

Run the red CB radio wire [100] to a cb radio or any sort of accessory that requires a fused ignition power source.

Run the tan radio wire [43] to the radio main power. Follow instructions provided from radio manufacture for proper connections.

Run the yellow clock-bat wire [101] to a clock or battery feed for the radio. Follow instructions provided by radio manufacture for proper connection.

WIRE #	CONNECTION	COLOR	PRINTING	FUNCTION
28	G	Black	Horn Relay Ground	Horn button ground to the horn relay trigger
14A & B	H	Llight Blue	Left Front Turn	Feeds the left front turn lamp bulb high filament and the right turn dash indicator lamp
15 A & B	J	Dark Blue	Right Front Turn	Feeds the right front turn lamp bulb high filament and the right turn dash indicator lamp
27	K	Brown	Turn Sw-Hazard	4 way hazard power feed wire from the Hazard flasher “L” terminal
16	L	Purple	Turn Switch Feed	Turn signal power feed wire from the Turn signal flasher “L” terminal
18	M	Yellow	Left Rear Turn	Feeds the left rear turn and brake lamp bulb high filament
19	N	Dark Green	Right Rear Turn	Feeds the right rear turn and brake lamp bulb high filament
17A	P	White	Brake Switch	Power feed wire from the output side of the brake switch

INSTRUCTIONS

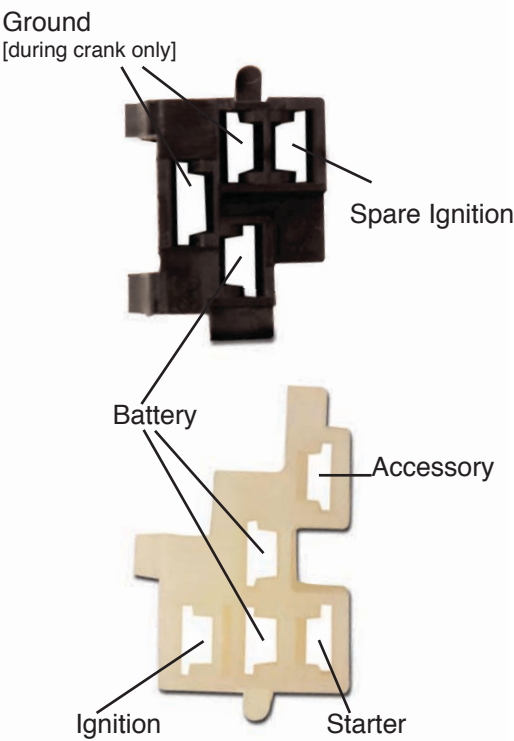
GENERAL PURPOSE FUNCTIONS

Ignition Switch Connection Kit GM Column Mount 910-64027-3

COLUMN MOUNTED IGNITION SWITCH [GM STYLE]

Use supplied harness plugs and the appropriate wiring diagram for your switch to determine which wires will go where. GM used multiple style switches with different wiring pin outs; please verify which style you need. Our cavity diagram is a generic one that is common for most GM vehicles.

Once the wires are installed in their appropriate cavity, the white plug will be plugged into the switch first using the black connector to secure it in place. Even if there are no wires in the black pigtail plug in the connector to retain the white one.



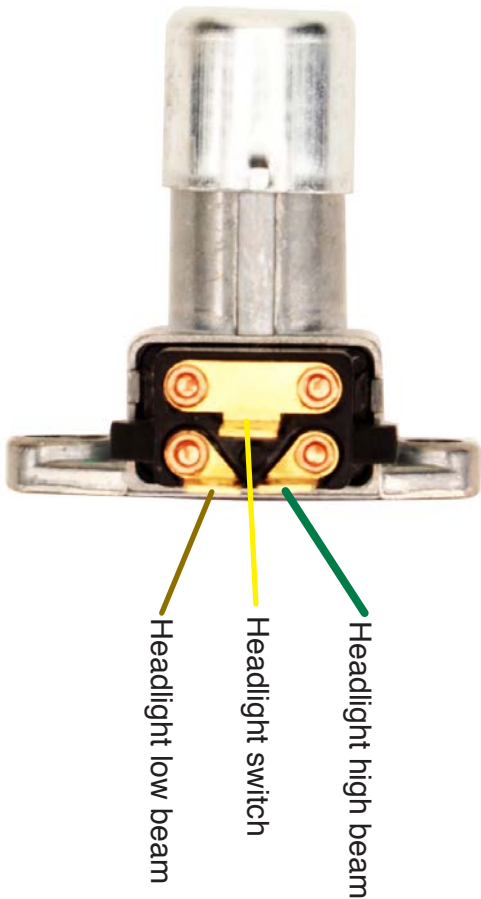
Dimmer Switch 910-64027-2

DIMMER SWITCH

The left bottom wire will run to your low beam control circuit [tan wire #12]

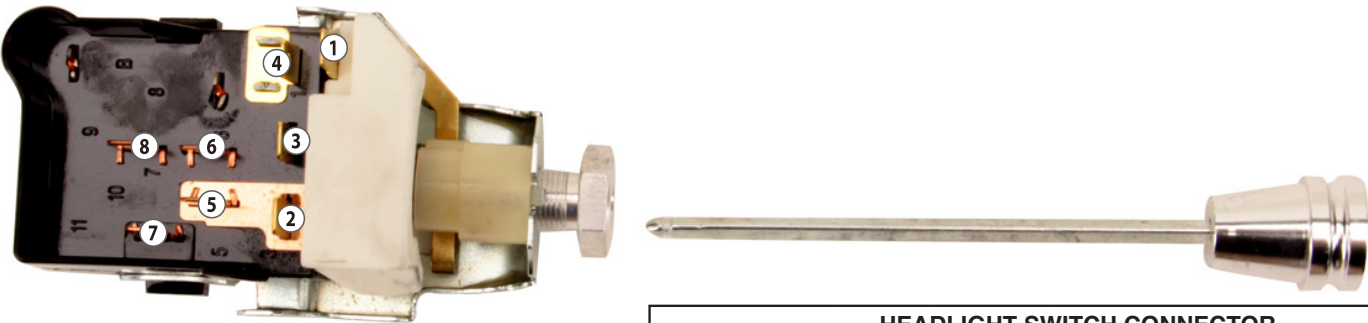
The bottom right wires will run your high beam control circuit [green wires #11A and 11B]

The top wire will run to your headlight switch [yellow wire #10]



Headlight Switch 910-64602

INSTRUCTIONS



HEADLIGHT SWITCH CONNECTOR			
CONNECTION	WIRE #	COLOR	PRINTING
1	156	White	Dome Light Ground
2	9A	Brown	Alternate full-time front parking lamp (parking lights stay on with headlights)
3	8	Gray	Dash Panel Lights
4	2C	Red	Battery Feed
5	9B	Brown	Rear Tail Lamp
6	10	Yellow	Headlight Dimmer
7	40	Orange	Fused Battery Feed
8 Optional		Brown	Front Parking Lamp (parking lights off with headlights are on)

HEADLIGHT SWITCH

This switch must be grounded for the dome light to function.

To install the control knob push it directly into the front of the switch till you hear it click into place.

To remove the control knob, pull the knob to the furthest out position and press the button on top of the switch to pull the rest of the way out.

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