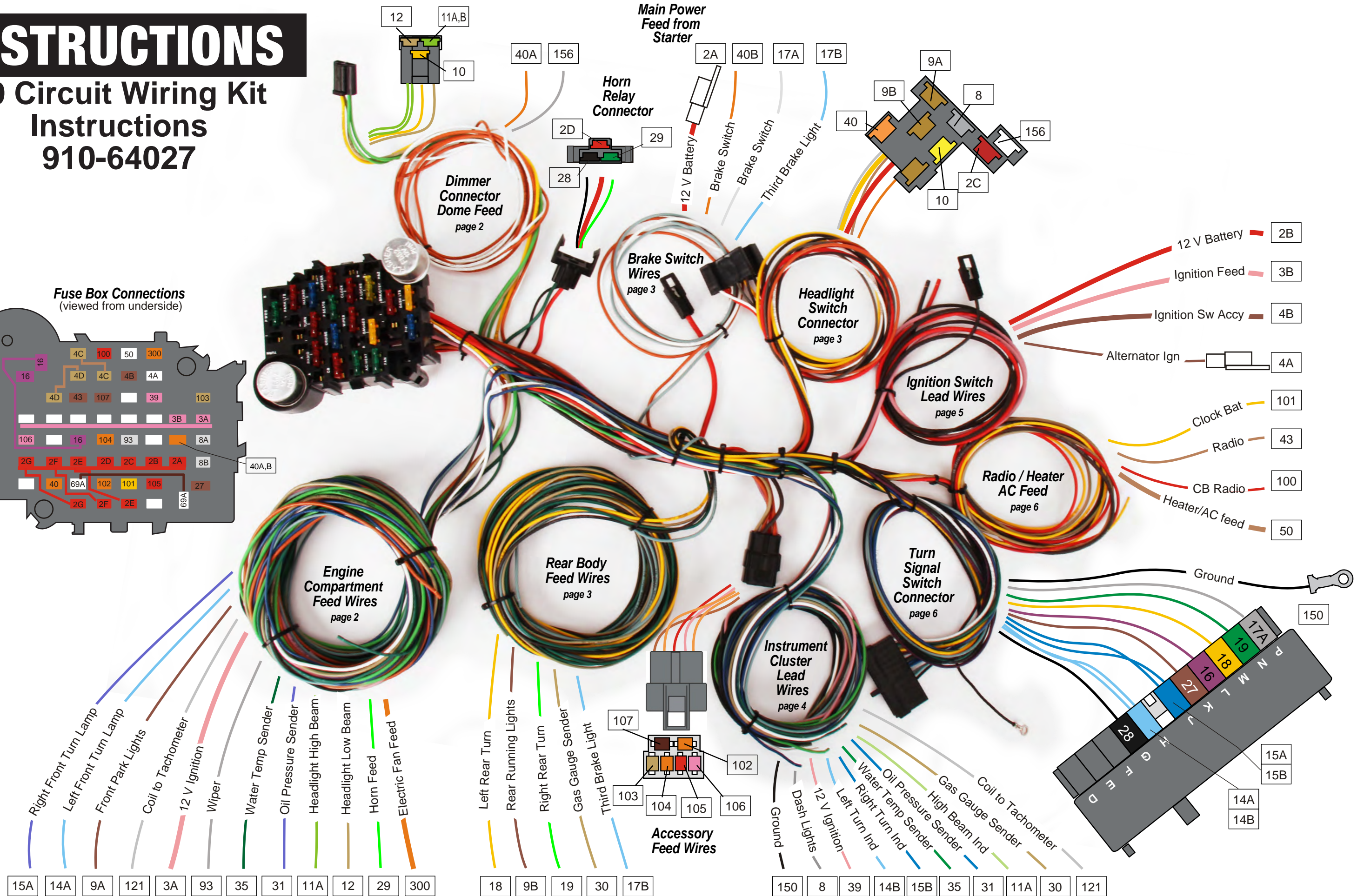
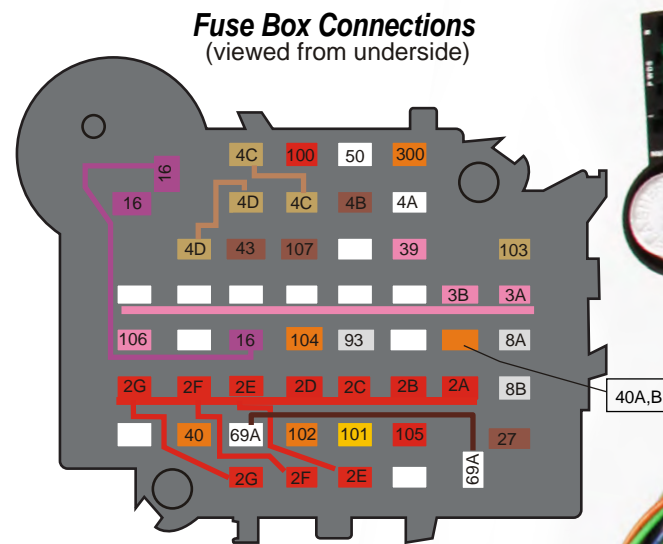


# INSTRUCTIONS

## 20 Circuit Wiring Kit Instructions 910-64027





# INSTRUCTIONS

## 20 Circuit Wiring Kit Instructions 910-64027

### Fuse Panel

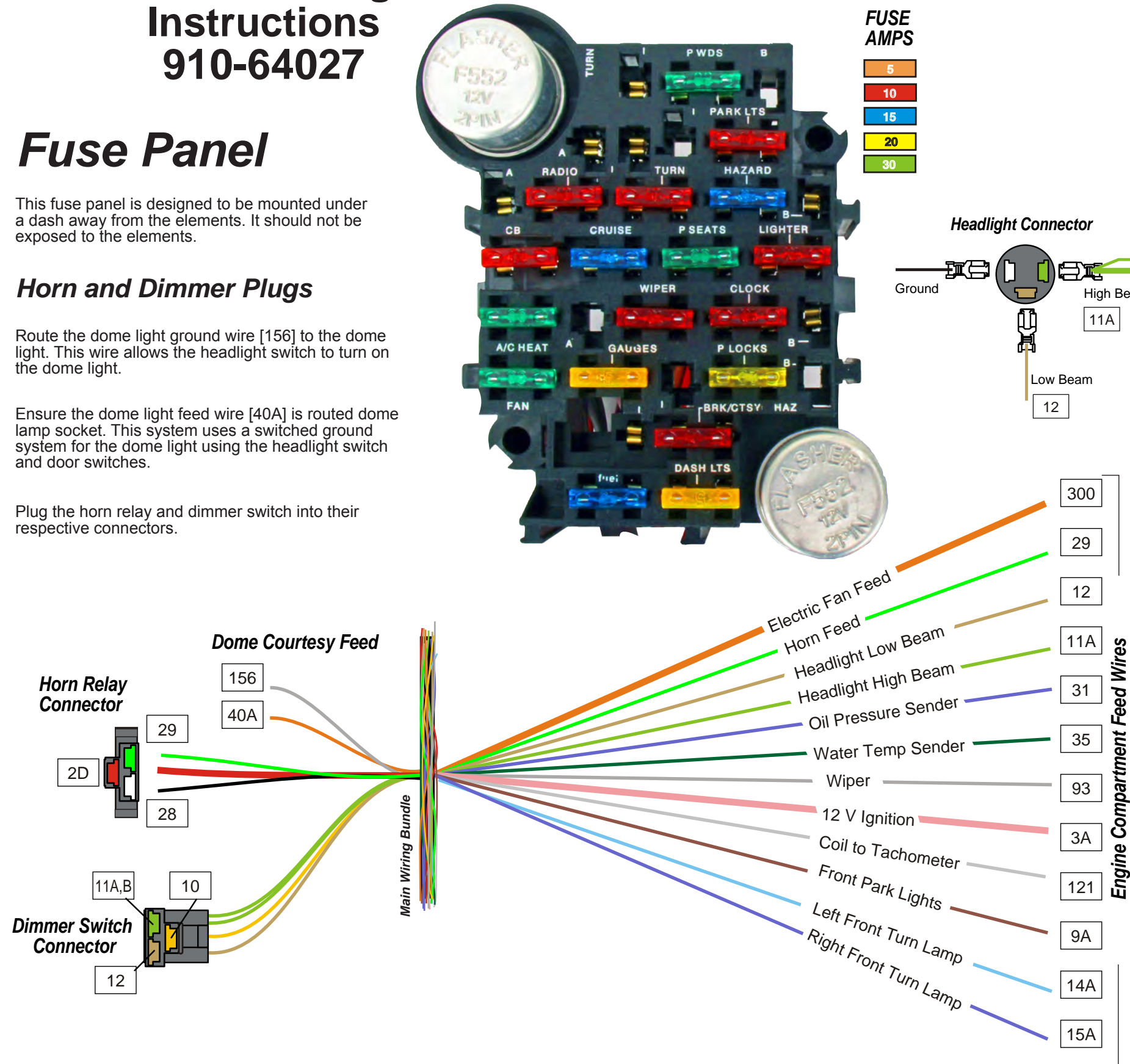
This fuse panel is designed to be mounted under a dash away from the elements. It should not be exposed to the elements.

### 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.

Ensure the dome light feed wire [40A] is routed dome lamp socket. 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.



### Front of Vehicle Connections

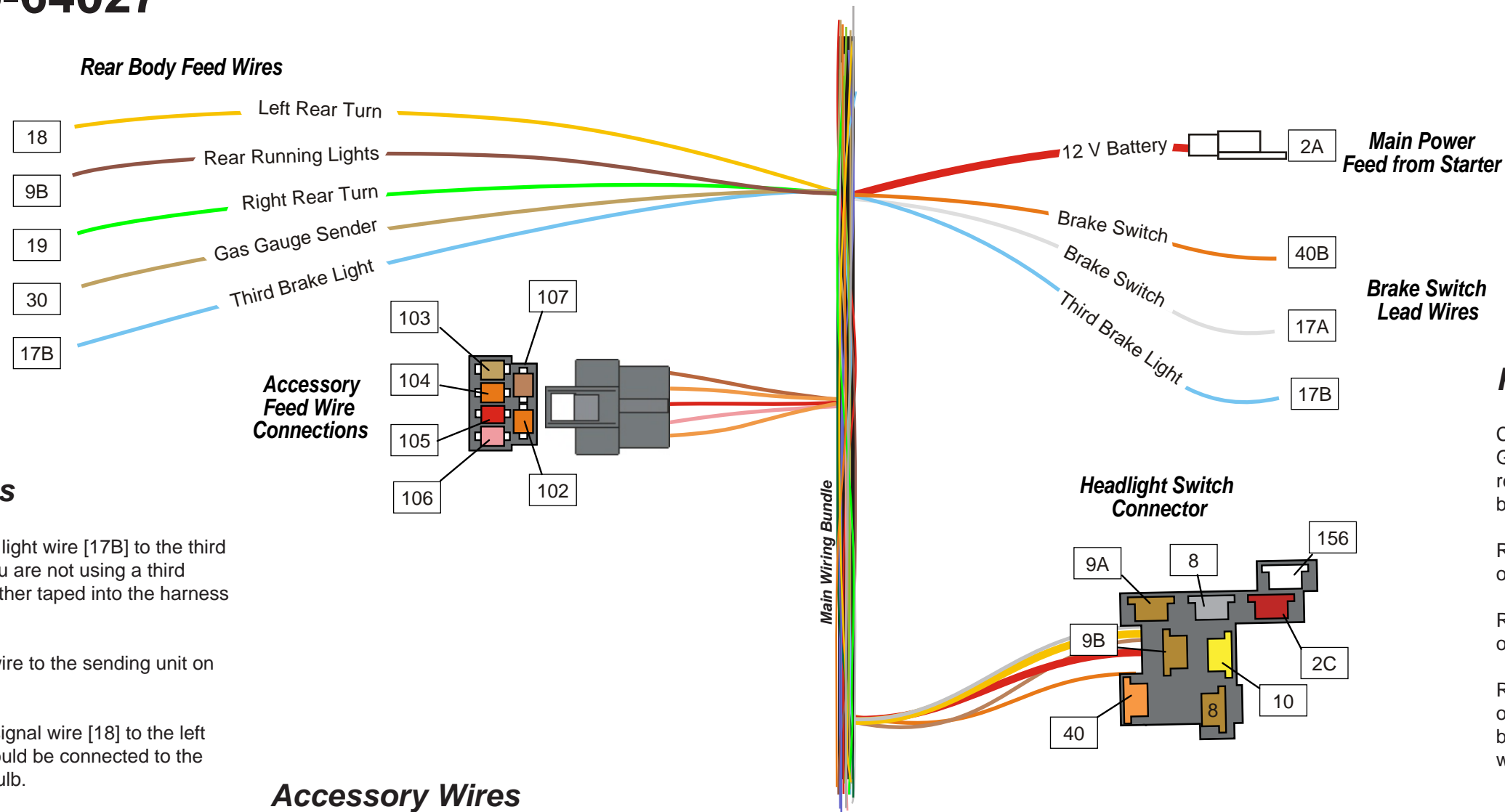
1. Run the dark green horn feed [29] wire to the positive connection on your horn.
2. Run the orange electric fan wire [300] to a fan relay. This wire will provide ground to the fan relay and should be run to terminal 85 of the relay. Relay not included.
3. Run the light green headlight high beam [11A] 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 aftermarket 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 dual 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 an aftermarket 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

# INSTRUCTIONS

## 20 Circuit Wiring Kit Instructions 910-64027

## 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

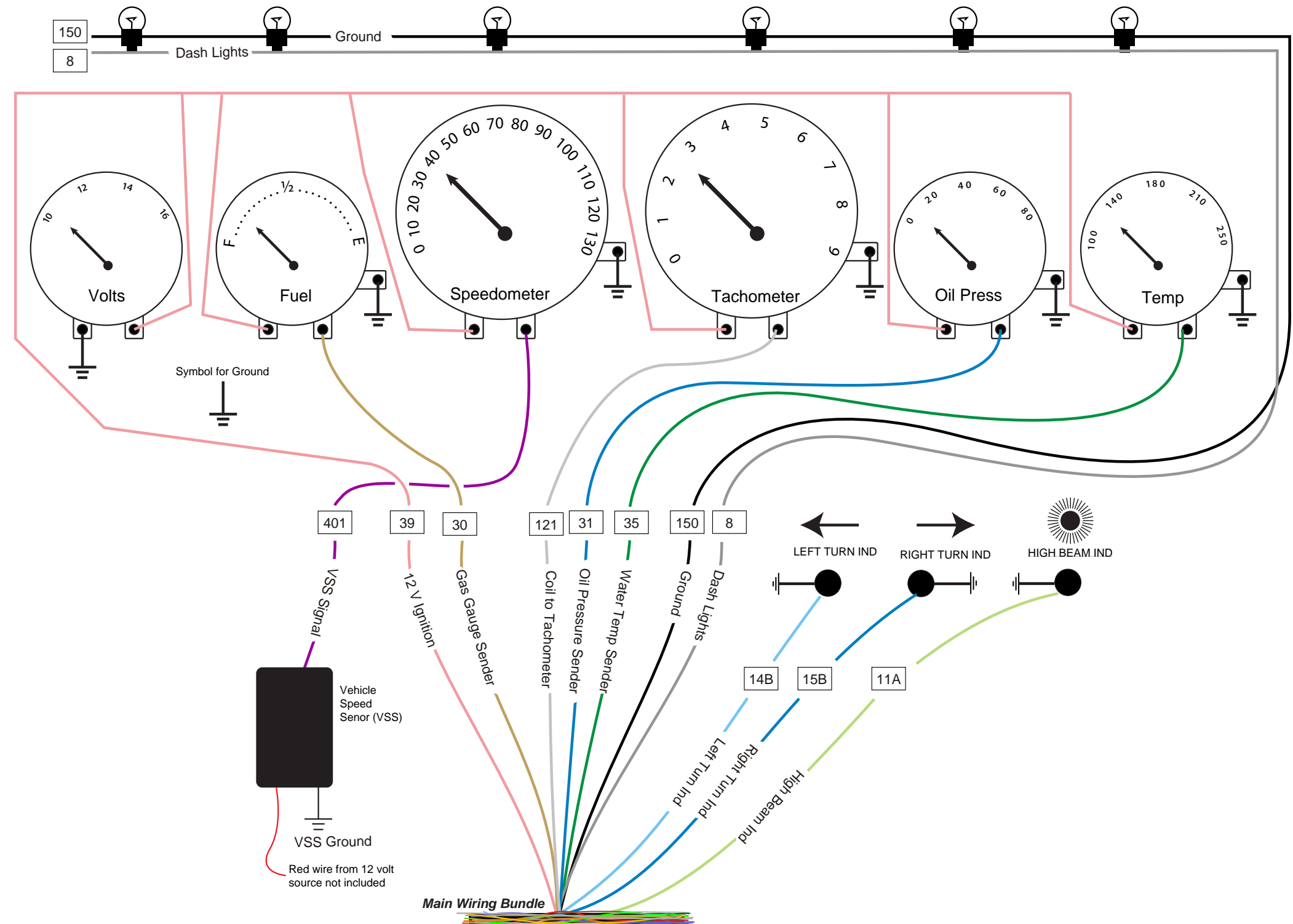
## 20 Circuit Wiring Kit Instructions 910-64027

### Instrument Cluster

#### INSTRUMENT CLUSTER WIRING

The diagram to the right 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
11A	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

## 20 Circuit Wiring Kit Instructions 910-64027

## Alternator and Starter Connections

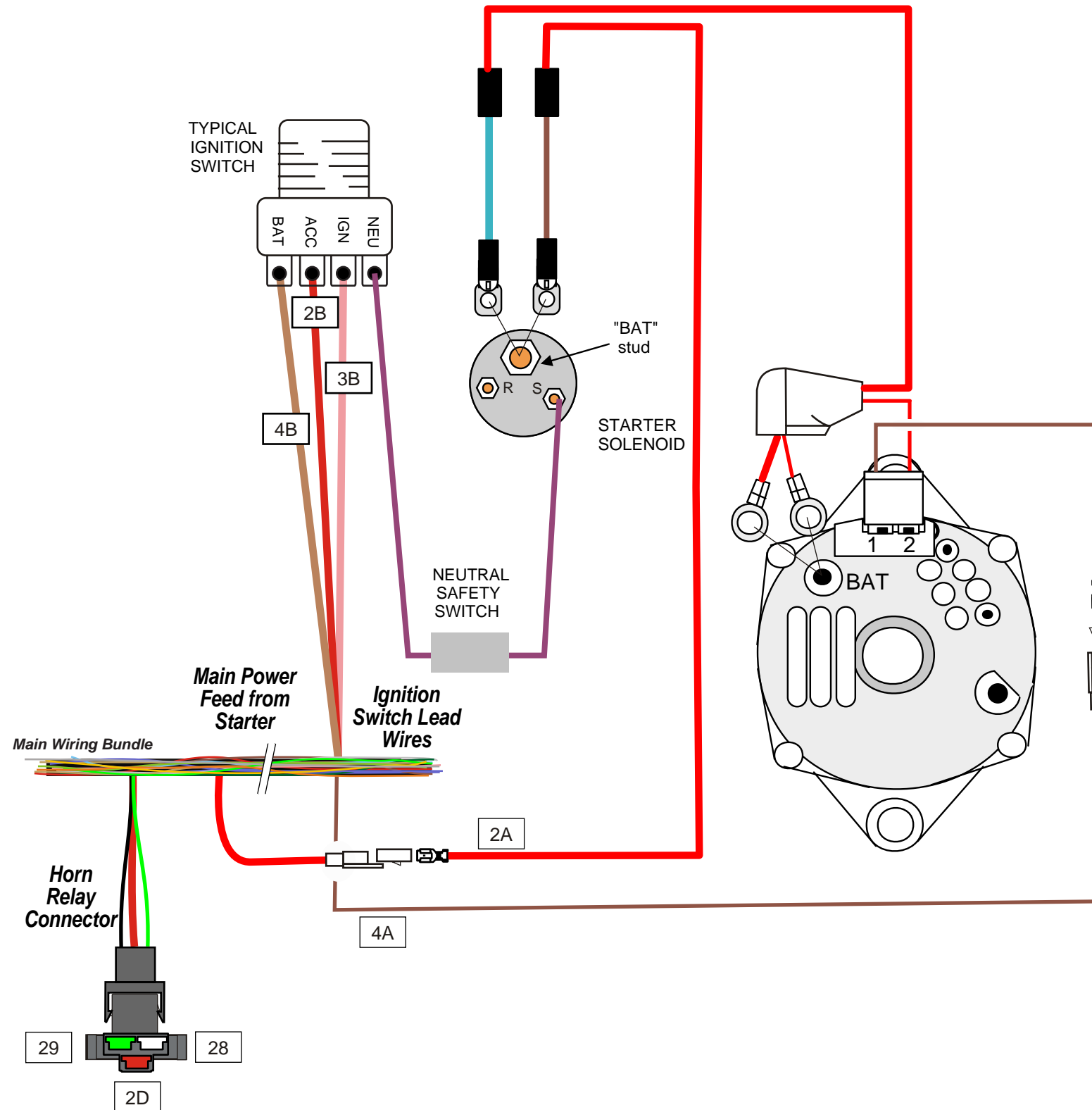
### IGNITION SWITCH WIRING

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

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

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

WIRE #	COLOR	PRINTING
2B	Red	Accessory
3B	Pink	Ignition
4B	Brown	Battery
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 it.

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

## 20 Circuit Wiring Kit

### Instructions

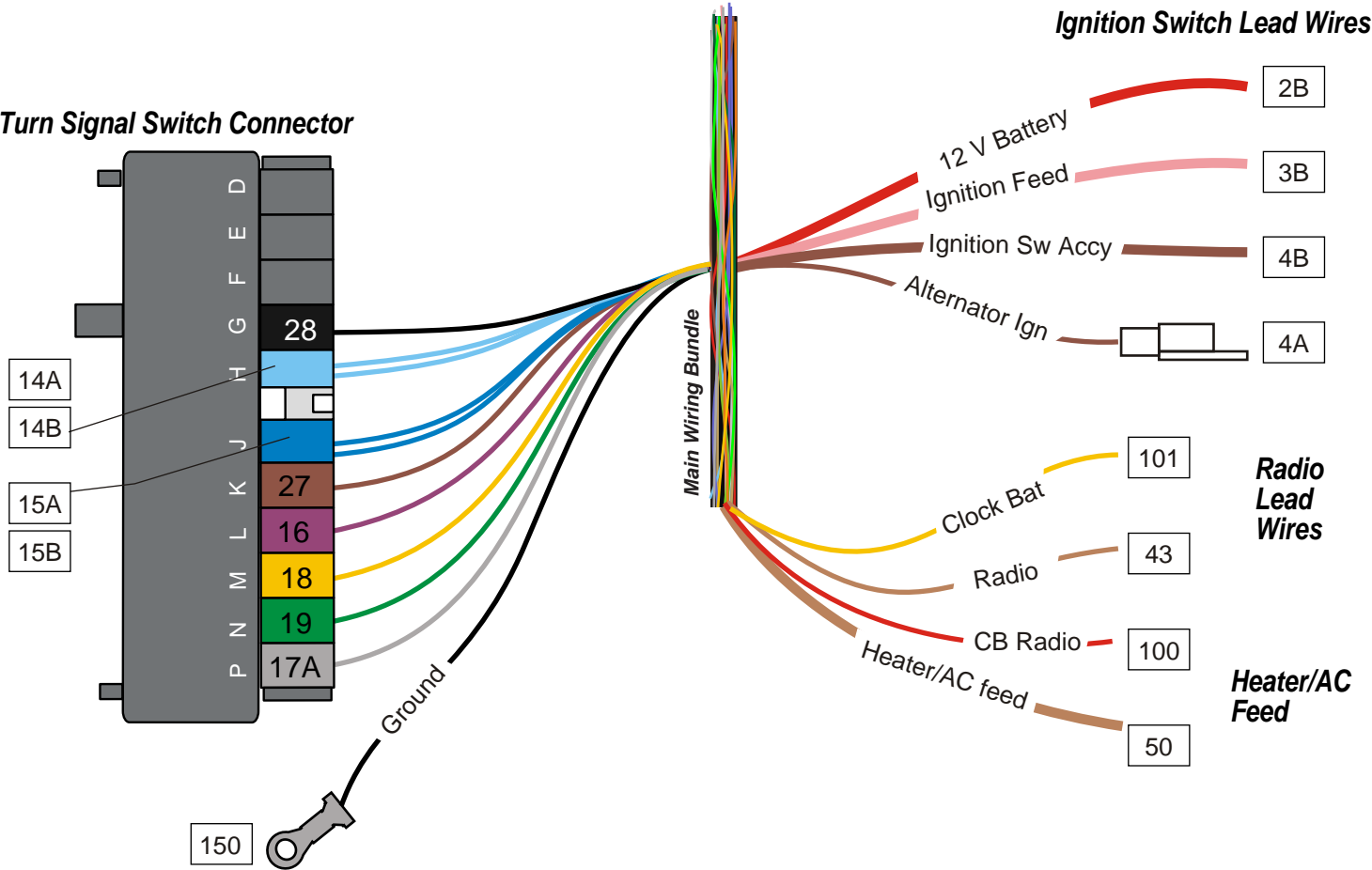
#### 910-64027

# 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 aftermarket columns including Speedway's tilt columns such as p/n 910-32972

If you are using a later 1975 and newer 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 manufacturer 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 manufacturer for proper connections.

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

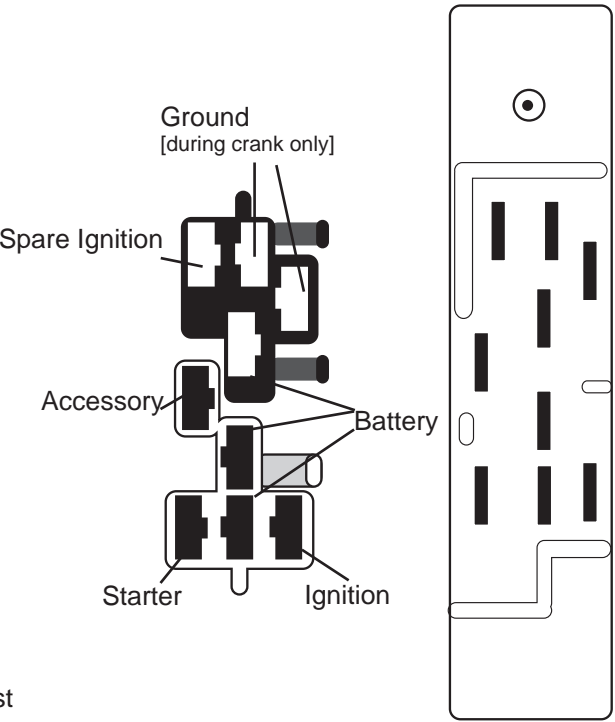
## GENERAL PURPOSE FUNCTIONS

### 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 of switches with different wiring pin outs; please verify which style you need. Our connector diagram is a generic one that is common for most GM vehicles.

Once the wires are installed in their appropriate location, 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.



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### Dimmer Switch 910-64027-2 Headlight Switch 910-64027-1

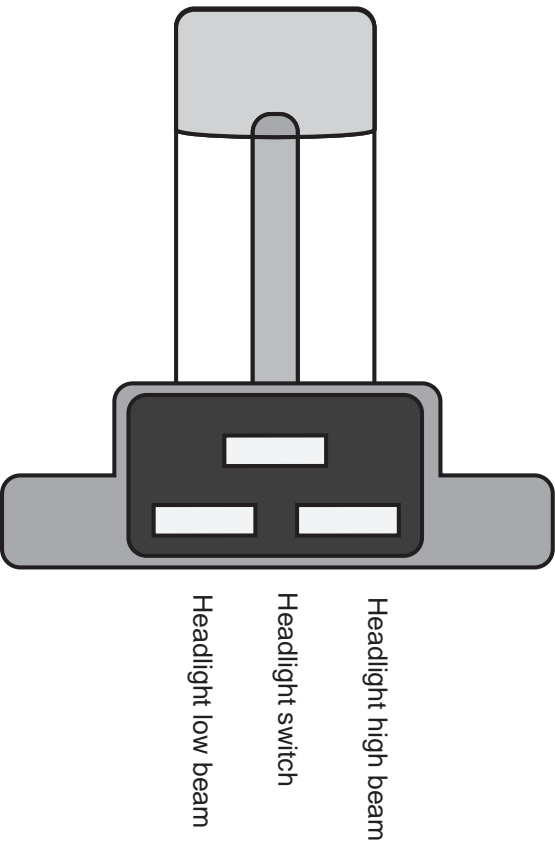
#### DIMMER SWITCH

The bottom left 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]

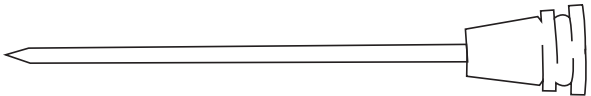
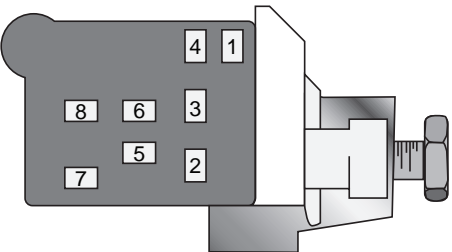
The top wire will run to your headlight switch [yellow wire #10]

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# INSTRUCTIONS



### Headlight Switch 910-64027-1 Dimmer Switch 910-64027-2

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#### 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 until you hear it click into place.

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

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 Dinner
7	40	Orange	Fused Battery Feed
8 Optional		Brown	Front Parking Lamp (parking lights off with headlights are on)

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