

1973-1987 GM and Chevrolet 2WD & 4WD Trucks

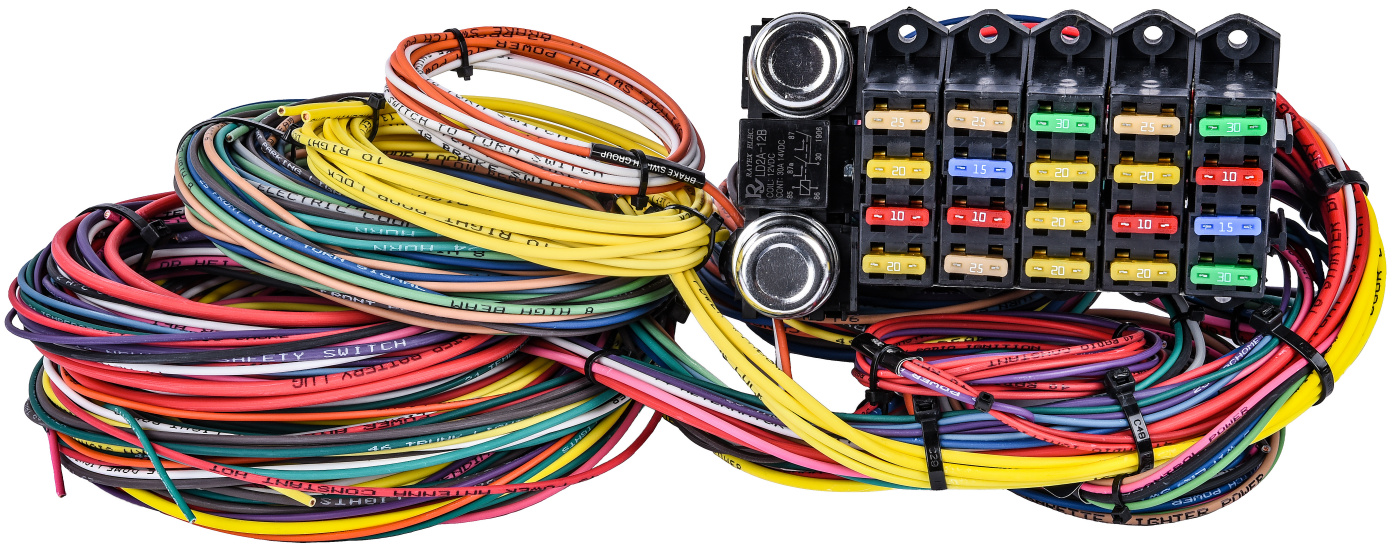


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What's Included?



(4) Headlight Sockets



(1) Alternator connector & terminals



(1) Dome light connector & terminals



(16) 56-Series body for female terminals



(2) Ignition switch connectors & terminals (early & late)



(1) Headlight switch connector & terminals



(2) HEI distributor power & tach connectors & terminals



(4) Fuse box standoffs



(4) Fuse box mounting screws & nuts



(2) 0.750 in ID Firewall grommets



(2) 0.375 in. ID Grommets



(6) Ring terminals (large)



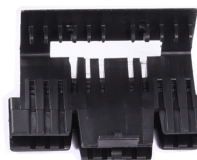
(1) 50 amp max fuse & terminal



(25) 7 in. Cable ties



(32) 4 in. Cable ties



(2) Column plugs & terminals (early & late)



(12) Quick disconnect receptacle



(28) 56-series Double Wire Female Terminals



(2) 56-series Double Wire Female Terminals



(20) Insulated female spade terminals



(4) Insulated male spade terminals



(11) Terminals



(4) 12-10 gauge Splices



(6) 16-14 gauge Splices



(12) Ring terminals (small)



Extra Fuses - (2) 10 amp, (2) 15 amp, (2) 20 amp, (2)

— Step By Step Instructions to Wire Your Car —

****First Disconnect Battery****

- Read the instruction book and look at all diagrams before going on
- This instruction book is used for all Kwik Wire harnesses
- Some wire in the instruction book may not apply to your kit
- Set up a plan before you get started
- Check your kit to make sure everything is included
- Lay the harness out on the floor
- Plan the path to which way your wires will be routed
- Only remove the ties holding the bundles together
- Leave all labels on until you have completely installed your kit

— Grounding () symbol —

****YOU MUST SUPPLY ALL GROUND WIRES****

Grounding kits are available at Kwik Wire
All Fiberglass Body projects should require a grounding kit

This harness has been designed to mount according to the instructions found on Page 7. Not following this procedure may result in wires that do not reach the desired destination.

— Testing —

Test for any problems that may occur upon installation completion with a 10 amp or small battery charger to ensure safety.

Proceed with installation of your 27-Circuit GM Truck Wiring Harness only after you have read and understand all of the above steps and guidelines.



1-800-345-4545 jeps.com

Fuse Chart

27 Circuit Harness

Function	Amp Fuse
Hazard	25
Horn	20
Dome	10
Cig. Lighter	20
Fuel	15
Wiper/Elec. Choke	15
Gauges	10
Electric Fan	25
Power Windows 1	30
Power Window 2	30
Stop	20
Power Door Locks	20
Back-up	20
Headlights	25
Acc.	20
Radio Constant	10
Acc.	20
A/C Heat	30
Radio	10
Turn	15
Coil	30
Cruise Control	20
Electric Fuel Pump	25
Starter Circuit	
Tail Lights	
Parking Lights	

Note: This Instruction book will cover all Kwik Wire harnesses. Not all wires listed in the instruction book will be in your harness depending on size fuse panel you purchased.

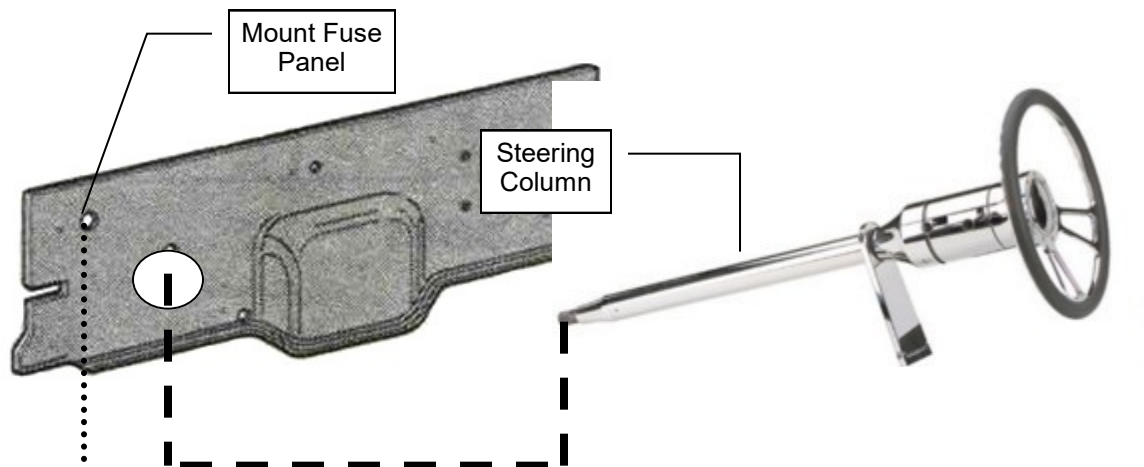
Only Use Recommended Fuses



1-800-345-4545 jegs.com

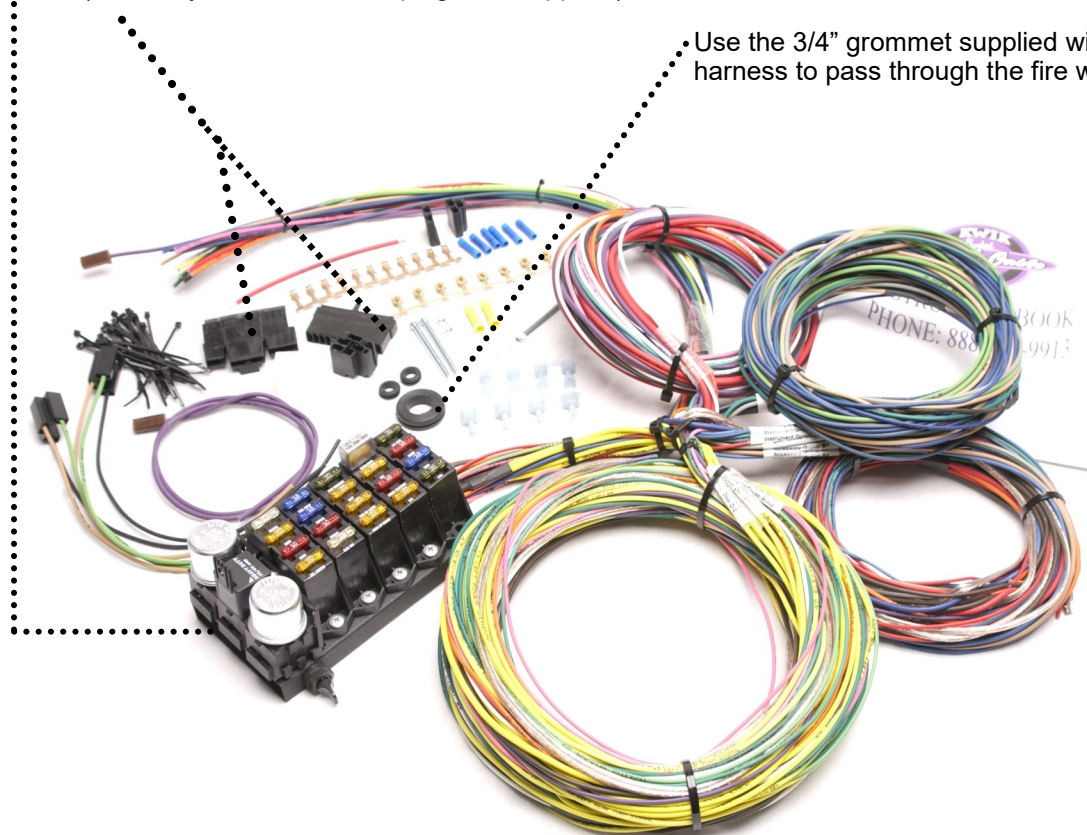
Mounting Fuse Panel

Fuse panels must be mounted under the dash next to the steering column.



Select correct turn signal plug.
(GM Early and Late Model plugs are supplied)

Use the 3/4" grommet supplied with the harness to pass through the fire wall



Motor Group

Wire #14 White 16 Ga. (Alternator Exciter)

Originates from the fuse panel and connects to the alternator. **See Page 10**

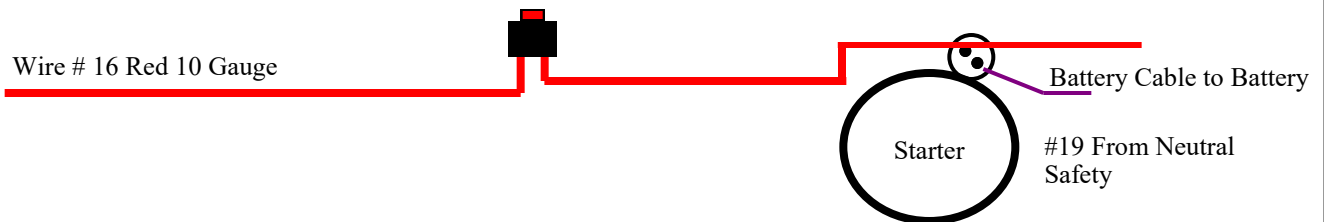
Wire #15 Red 10 Ga. (Alternator Battery)

Originates from the fuse panel and connects to the battery post on the alternator.

Wire #16 Red 10 Ga. (Starter Solenoid)

Originates from the fuse panel and connects to the starter battery lug.

****Add fusible link or maxi fuse on to this wire**



Wire #19 Purple 12 Ga. (Neutral Safety)

Originates from the Ignition switch and connects to the neutral safety switch and then connect to the start lug on the Starter. **See Page 18**

Wire #20 Pink 14 Ga. (Coil)

Originates from the fuse panel and connects to the positive side of the coil.

**** Switch on the side of the fuse panel will shut off power to the coil ****

Wire #21 Green 18 Ga. (Water Temperature Sender)

Originates from the temp gauge and connects to the temperature sending unit.

Wire #22 Lt. Blue 18 Ga. (Oil Pressure Sender)

Originates from the oil gauge and connects to the oil pressure sending unit.

Wire #23 Purple 18 Ga. (Tachometer)

Originates from the tachometer gauge and connects to negative side of the coil.

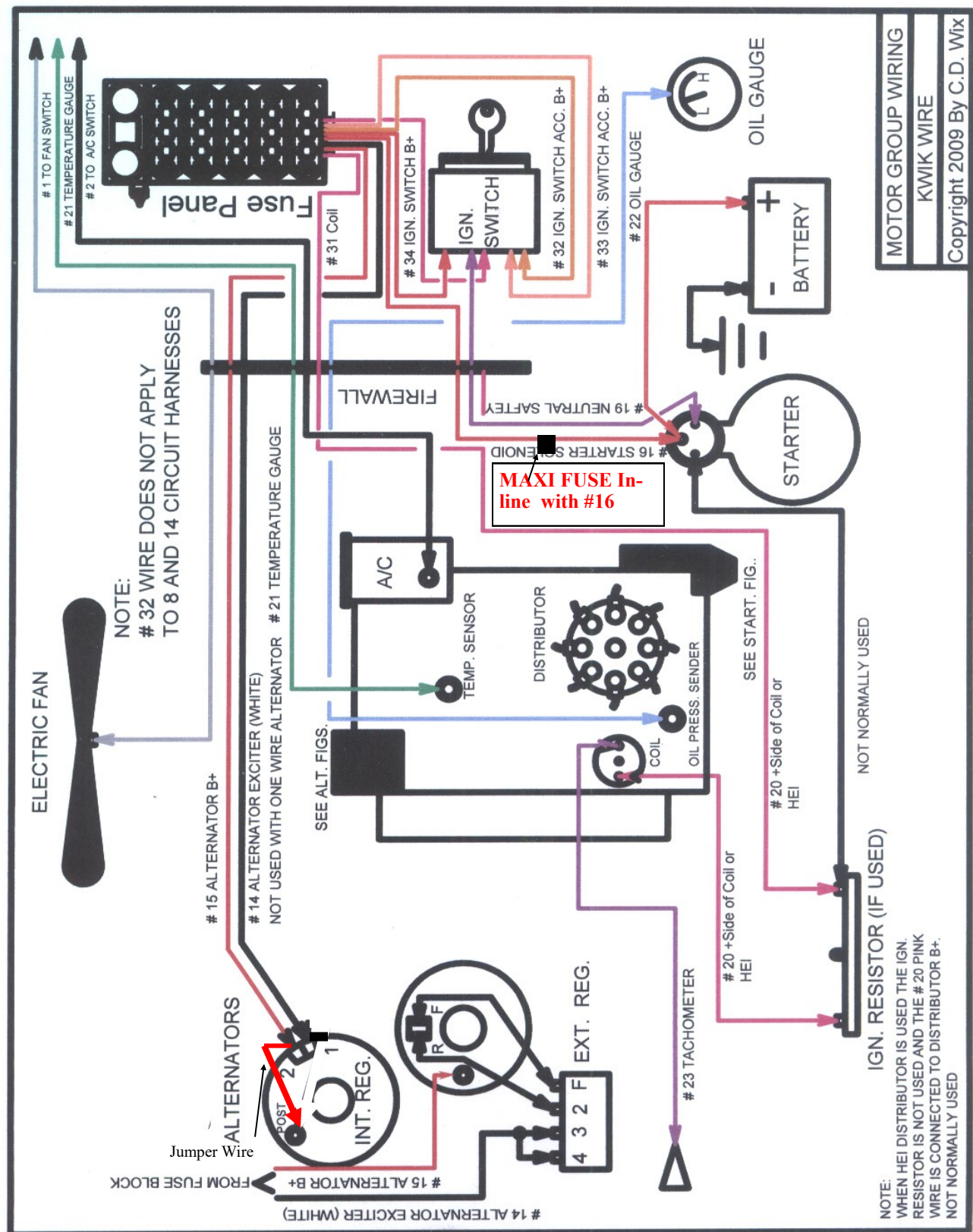
Wire #54 Red 18 Ga. (Electric Choke)

Originates from the fuse panel and connects to the positive side of the electric choke.

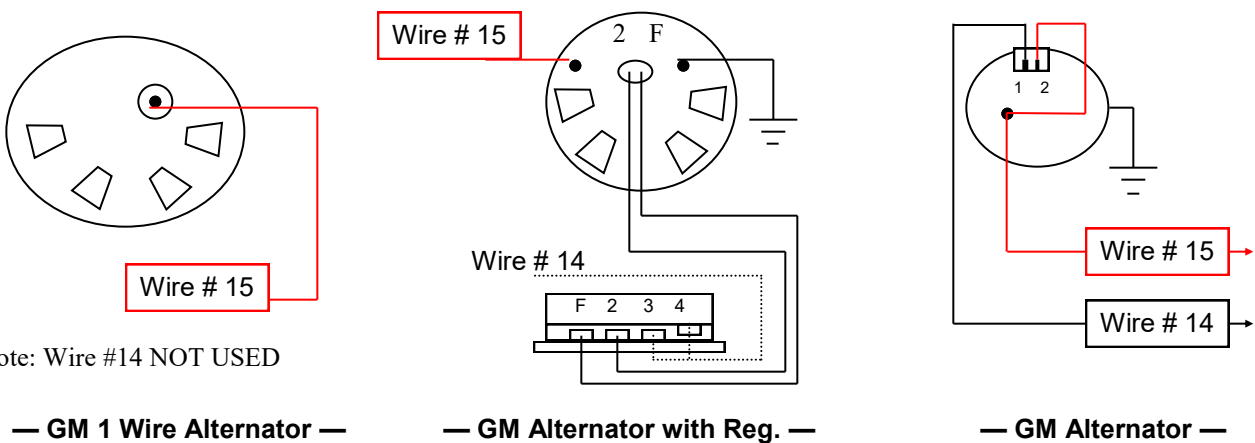
Wire #2 Black 14 Ga. (A/C Heat)

Originates from the fuse panel and connects to the thermostat switch power.

Motor Group Diagram

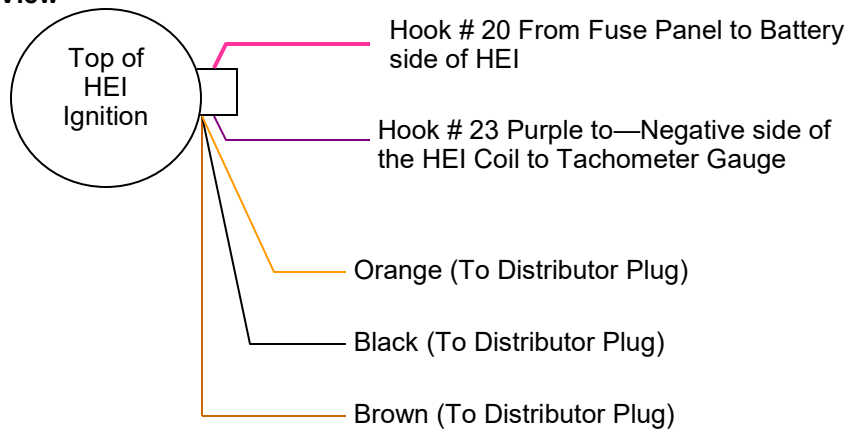


Alternators & Ignition

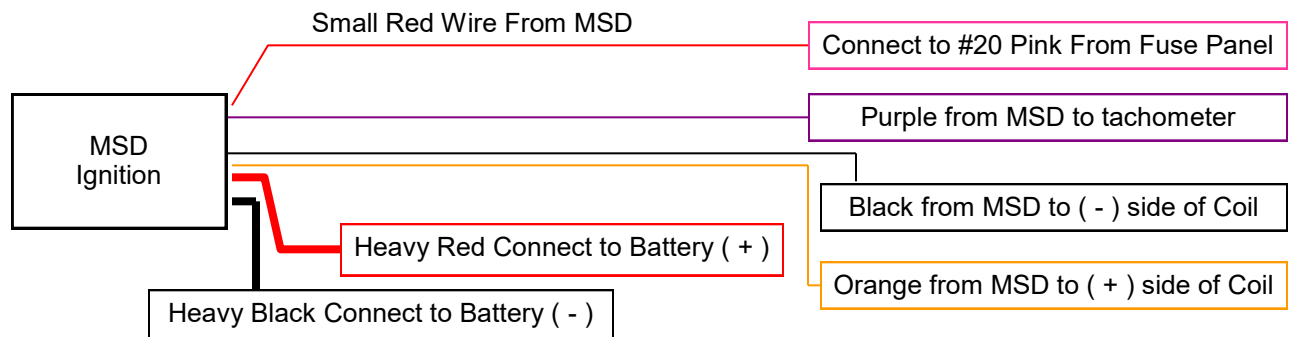


— G.M. HEI Ignition Hook Up —

****Top View**



— MSD Ignition Hook Up —



Headlight Group H-1

27 Brown (Parking Lights)

Originates from the headlight switch and connects to the parking lights

26 Lt. Blue (Left Front Turn)

Originates from the turn signal plug and connects to the left front turn signal light

25 Blue (Right Front Turn)

Originates from the turn signal plug and connects to the right front turn signal

24 Green (Horn)

Originates from the horn relay on the fuse panel and connects to the horn.
(Relay is built into the fuse panel)

9 Tan (Low Beam)

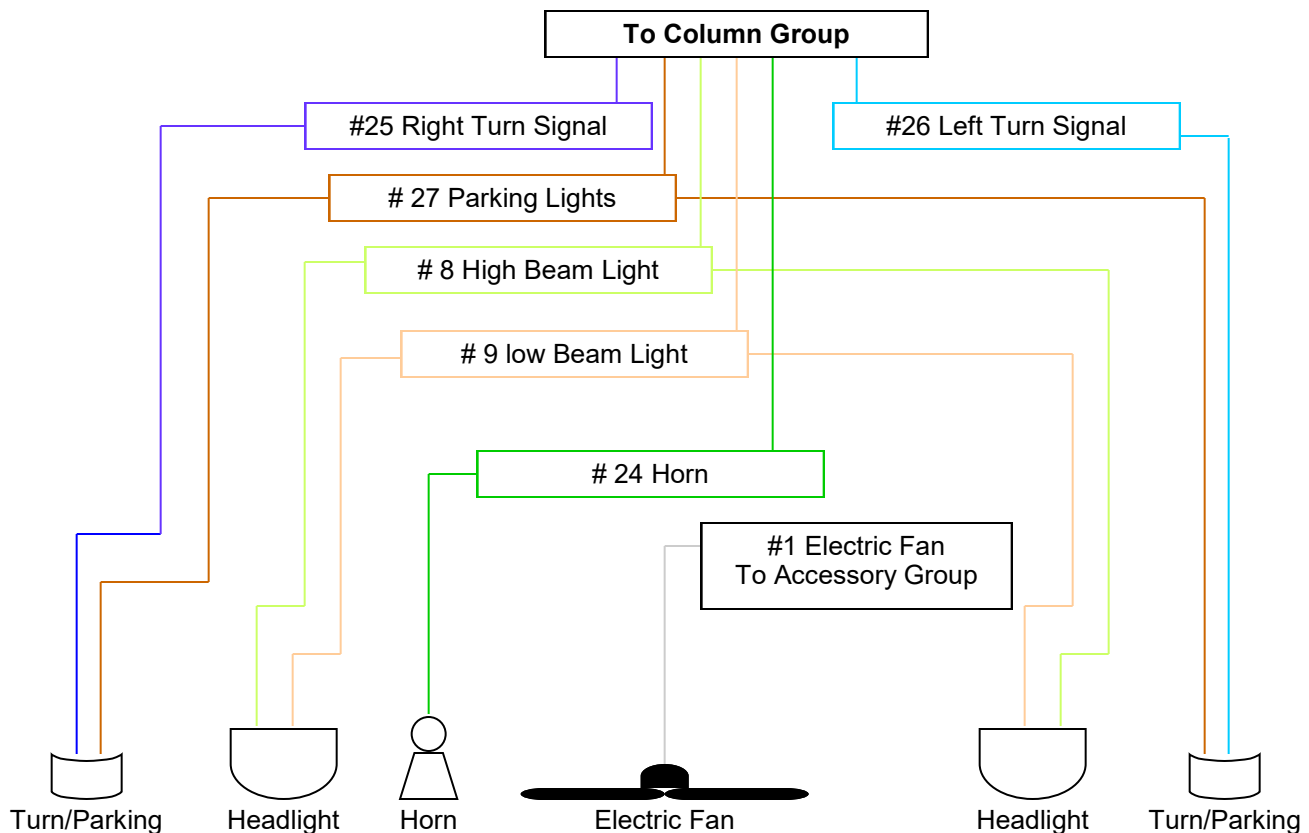
Originates from the dimmer switch and connects to the left and right low beam headlights

8 Lt. Green (High Beam)

Originates from the dimmer switch and connects to the left and right high beam headlights

1 Gray (Electric Fan)

Originates from the accessory switch group and connects to the fan power wire



Electric Fan

#1 Gray (Electric Fan)

Originates from the fan switch or relay and connects to the electric fan.
(This wire is located in the Accessory group switches)

6 Gray (Electric Fan)

Originates from the fuse panel and powers the trigger wire on the electric fan relay
(This wire is located in the Accessory switches group Battery Positive)

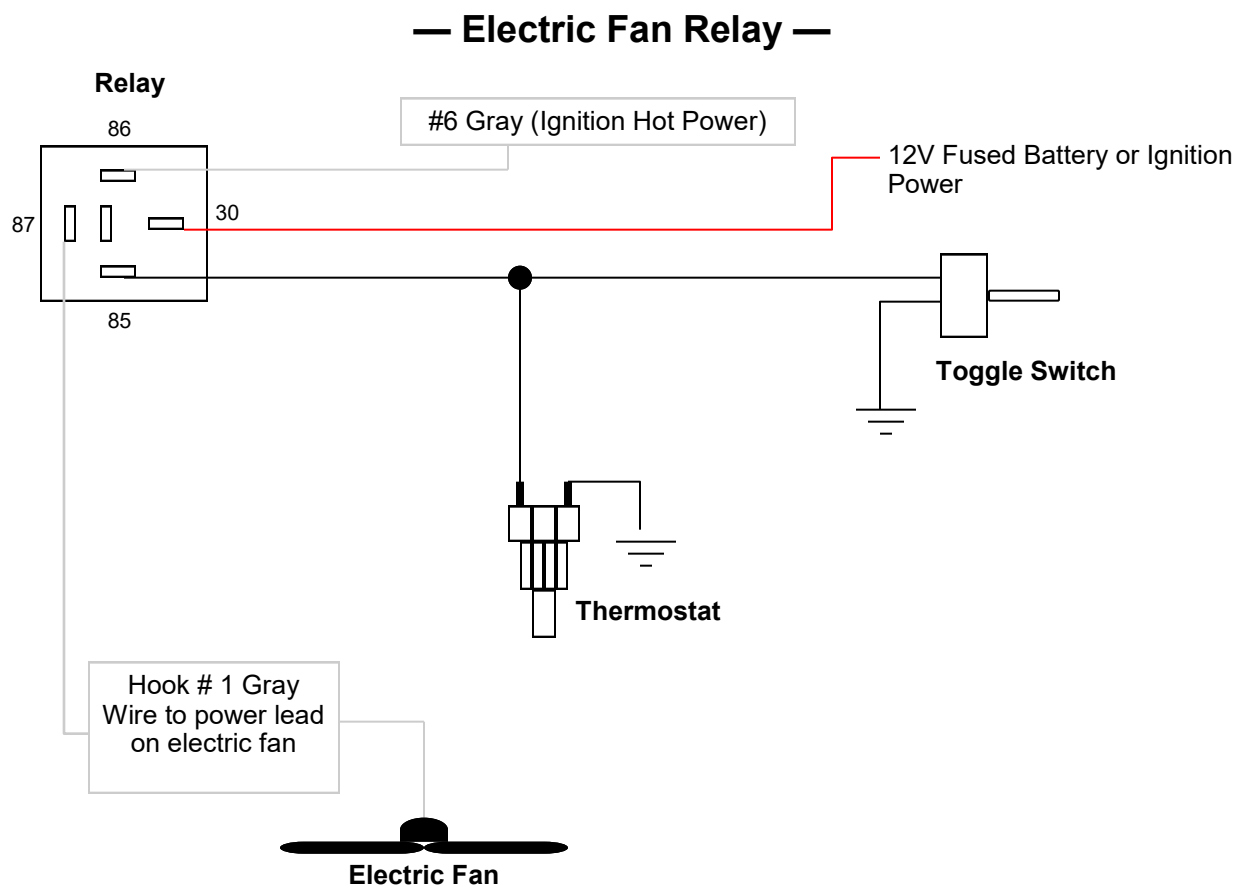
****Electric Fan Relay Kit is only included in the Add-on Option Kit****

Kwik Wire Pre-wired Relay Kit Part # 2078

Kwik Wire Relay Kit Part # 6060

Kwik Wire Thermostat Switch Part # 2079

Kwik Wire Adjustable Thermostat switch Part # 50801



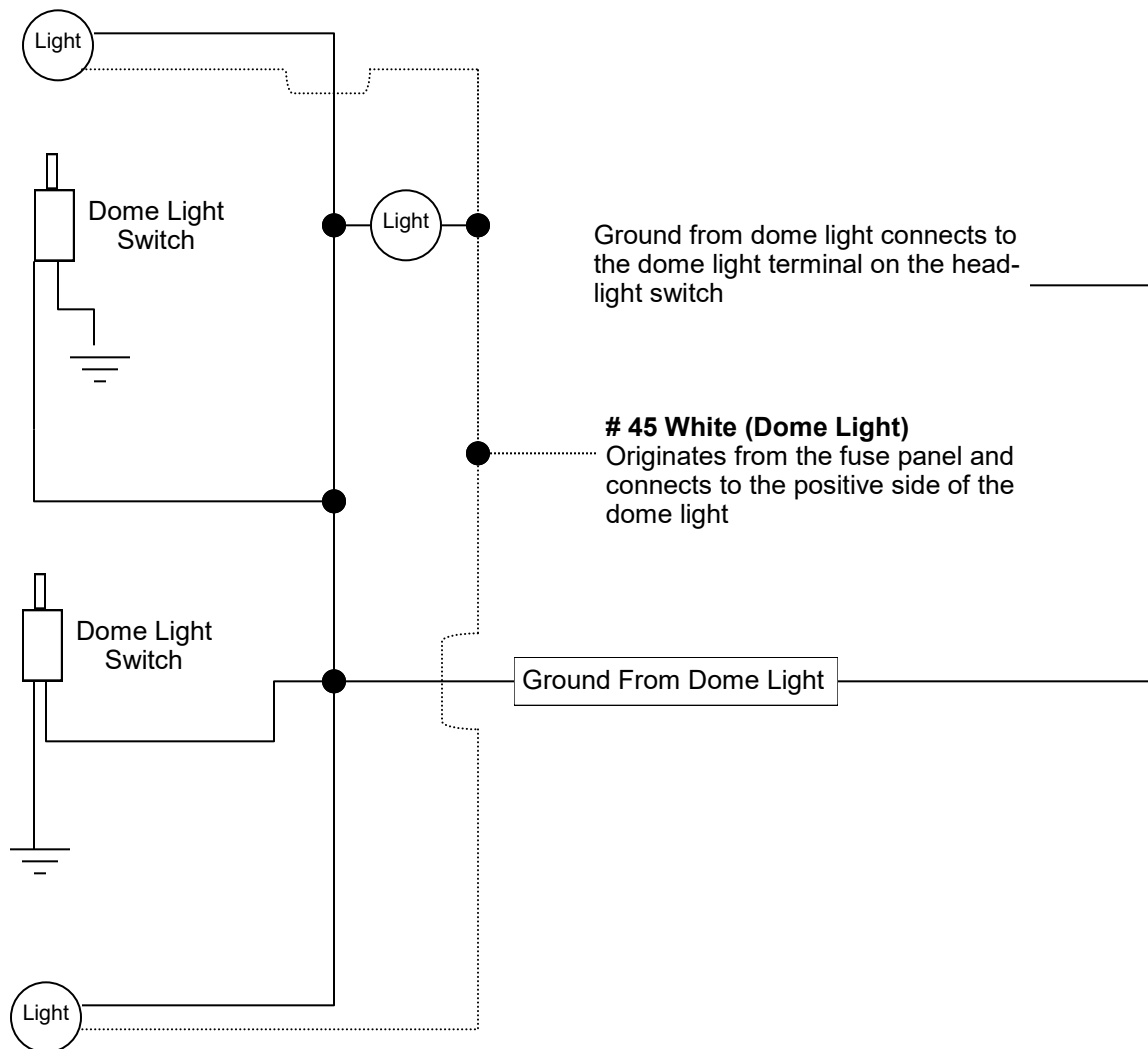
Dome Light

45 White (Dome Light)

Originates from the fuse panel and hooks to the positive side of all interior lighting.

Run a ground wire on the negative side of all interior lighting to all door jam switches as well as the headlight switch.

****All door jam switches and headlight switch must be grounded****



Accessory Group Battery Positive

— Accessory Switch Group —

Wire # 2 Black 14 Ga. (A/C Heat)

Connect to thermostat switch power

Wire # 1 Gray 14 Ga. (Electric Fan)

Originates from the relay or switch and connects to electric fan power lead.

— Accessory Group Battery Positive —

Wire # 3 Tan 14 Ga. (Cigarette Lighter)

Originates from the and connect to cigarette lighter battery positive terminal on the back of the lighter.

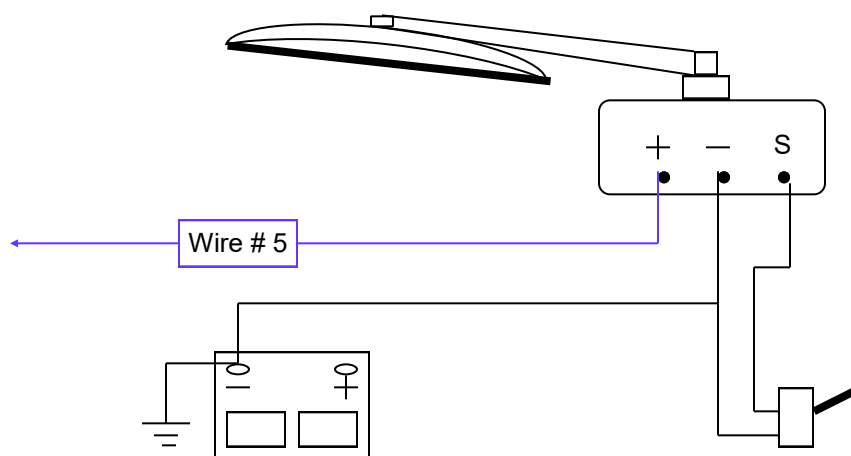
Wire # 4 Black 14 Ga. (A/C Heater Fan)

Originates from the Fuse Panel and connect to the heater fan switch battery positive.

Wire # 5 Blue 16 Ga. (Wiper)

Originates from the fuse panel and connect to windshield wiper switch battery terminal.

— Wiper Switch —



Instrument Group

Wire # 35 Red 16 Ga. (Power for Gauges)

Originates from the fuse panel and connects to the positive side of each gauge

Wire # 30 Red 14 Ga. (Power for Gauge Lights)

Originates from the headlight switch and connects to the positive side of all dash lights

Wire # 21 Green 18 Ga. (Water Temperature Sender)

Originates from the temp gauge and connects to the temperature sending unit

Wire # 22 Lt. Blue 18 Ga. (Oil Pressure Sender)

Originates from the oil gauge and connects to the oil pressure sending unit

Wire # 23 Purple 18 Ga. (Tachometer)

Originates from the tachometer gauge and connects to tachometer

Wire # 53 Black 18 Ga. (Relay Ground for Horn)

Originates from the relay on fuse panel and connects to the horn button

Wire # 36 Green 18 Ga. (High Beam Indicator)

Originates from the High Beam wire # 8 and connects to the high beam indicator light.

Wire # 37 Lt.Blue/Black 18 Ga. (Left Turn Indicator)

Originates from the Column Group and connects to the left turn indicator light on the dash

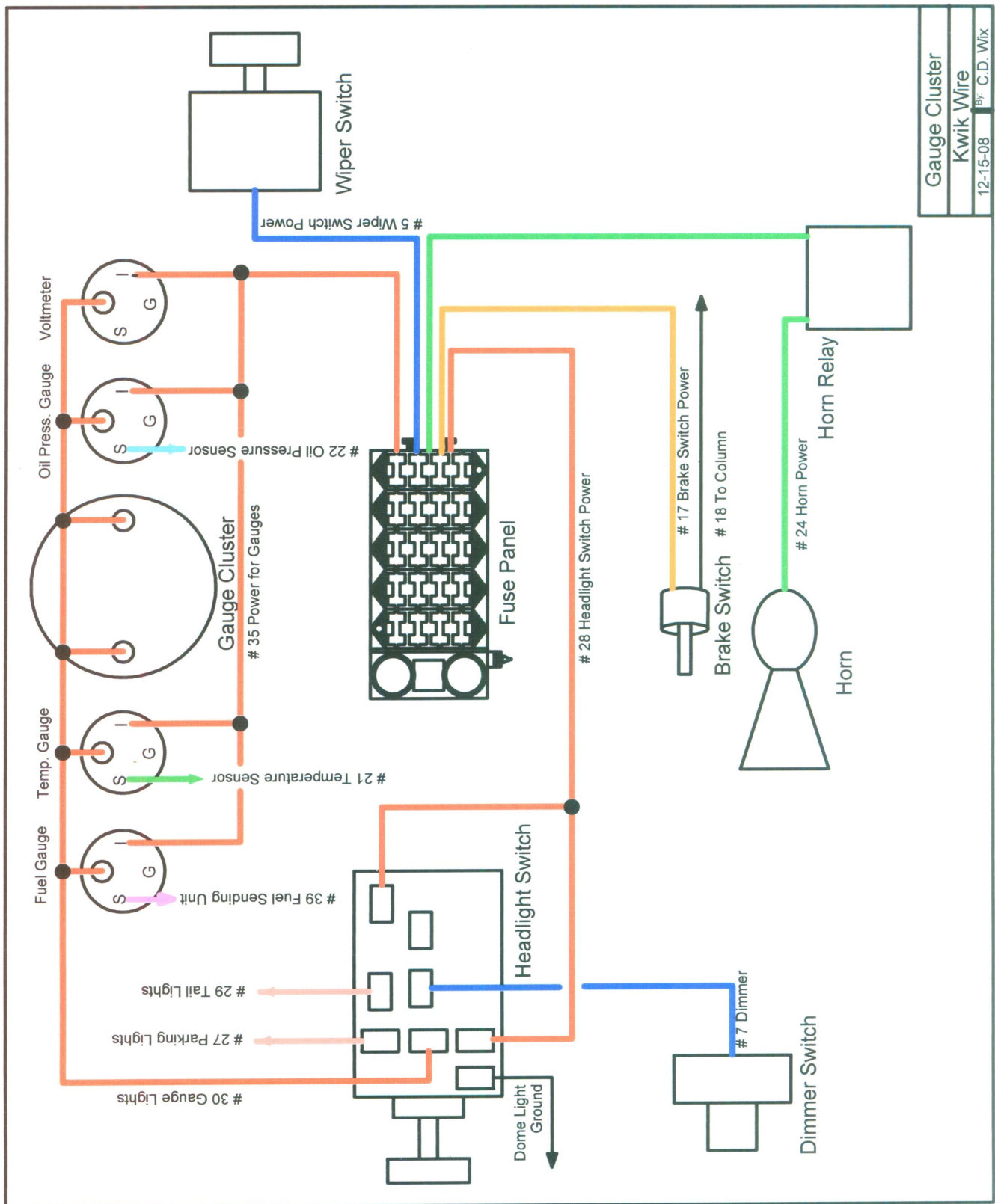
Wire # 38 Blue 18 Ga. (Right Turn Indicator)

Originates from the Column Group and connects to the right turn indicator light on the dash

****Be sure to ground all gauges to a good clean ground****

Instrument Diagram on Page 13

Instrument Group



Ignition Group

31 Pink (Coil)

Originates from the fuse panel and connects to the to the ignition switch terminal marked “IGN”

32 Brown (Ignition Switch Accessory)

Originates from the fuse panel and connects to the ignition switch terminal marked "**ACC**" - (22 Cir. Only)

33 Orange (Ignition Switch Accessory)

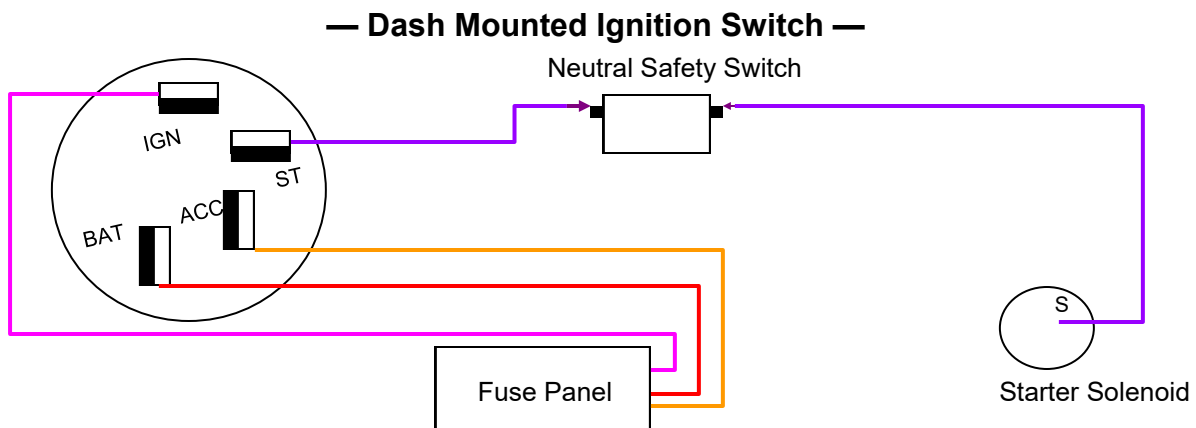
Originates from the fuse panel and connects to the ignition switch terminal marked "**ACC**"

34 Red (Ignition Power)

Originates from the fuse panel and connects to the ignition switch terminal marked "**BAT**"

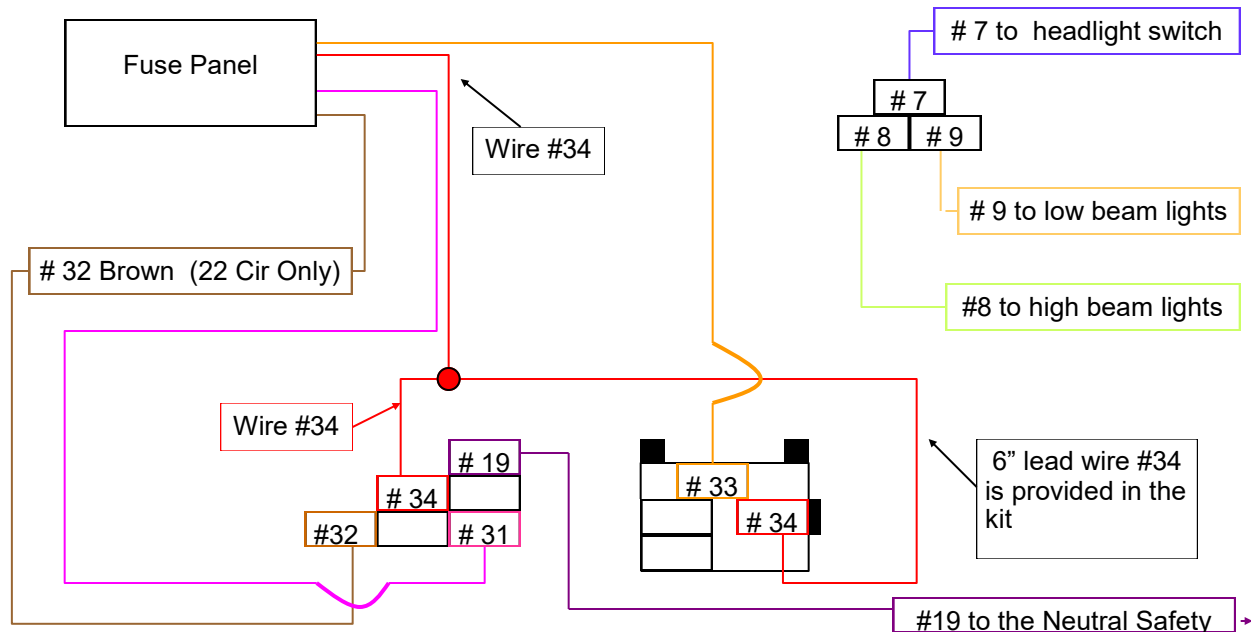
19 Purple (Neutral Safety)

Originates from the ignition switch and connects to the neutral safety switch.



— Key on the Column —

34 wire must go to both terminal blocks (*Included in the bag of part 6" red wire*)



Column/Turn Signal Group

53 Black (Horn Ground)

Originates from the horn relay located on the fuse panel and connects to the "G" terminal on the GM turn signal plug

52 Purple (Turn Flasher Power)

Originates from the turn flasher located on the fuse panel and connects to the "L" terminal on the GM turn signal plug

51 Brown (Emergency Flasher Power)

Originates from the turn flasher located on the fuse panel and connects to the "K" terminal on the GM turn signal plug

49 Yellow (Left Rear Turn Signal)

Originates from the "M" terminal of the GM turn signal plug and connects to the left rear turn signal

48 Lt. Green (Right Rear Turn Signal)

Originates from the "N" terminal of the GM turn signal plug and connects to the right rear turn signal

26 Lt. Blue (Left Front Turn Signal)

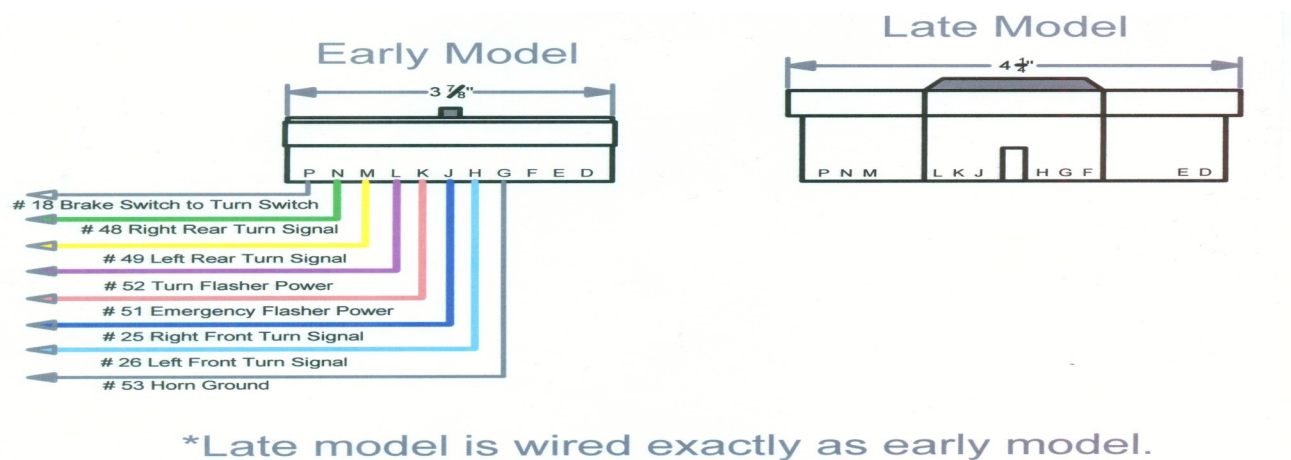
Originates from the "H" terminal of the GM turn signal plug and connects to the left front turn signal

25 Blue (Right Front Turn Signal)

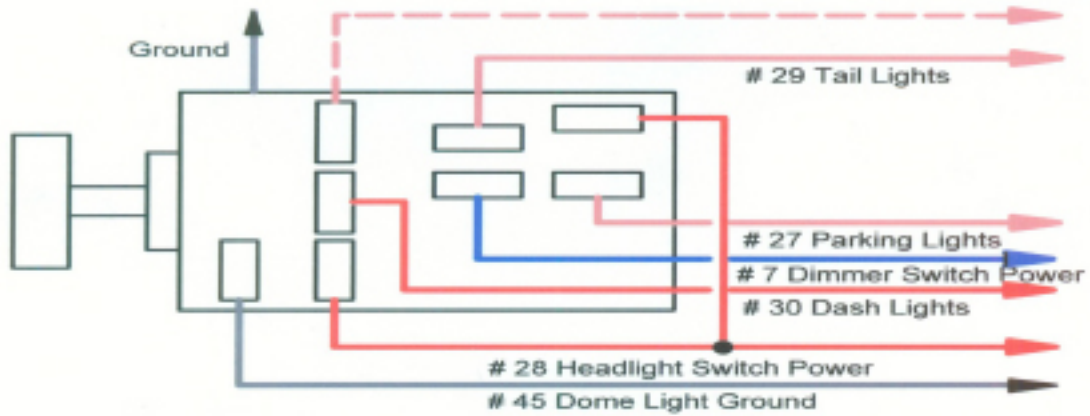
Originates from the "J" terminal of the GM turn signal plug and connects to the right front turn signal

18 White (Brake Switch to Turn Switch)

Originates from the brake switch and connects to the turn signal switch terminal "P"



Headlight Switch H-2 Group



G.M. Headlight Switch

Note: On late G.M. style headlight switch the parking light terminal wire # 27 is connected also. Has been omitted in this case. Hook wire # 27 to the dotted line as in the drawing.

Radio Group

40 Red (Radio Constant)

Originates from the fuse panel and connects to the radio memory wire

41 Red (Radio Ignition)

Originates from the fuse panel and connects to the radio ignition hot wire

42 Purple (Power Antenna Signal)

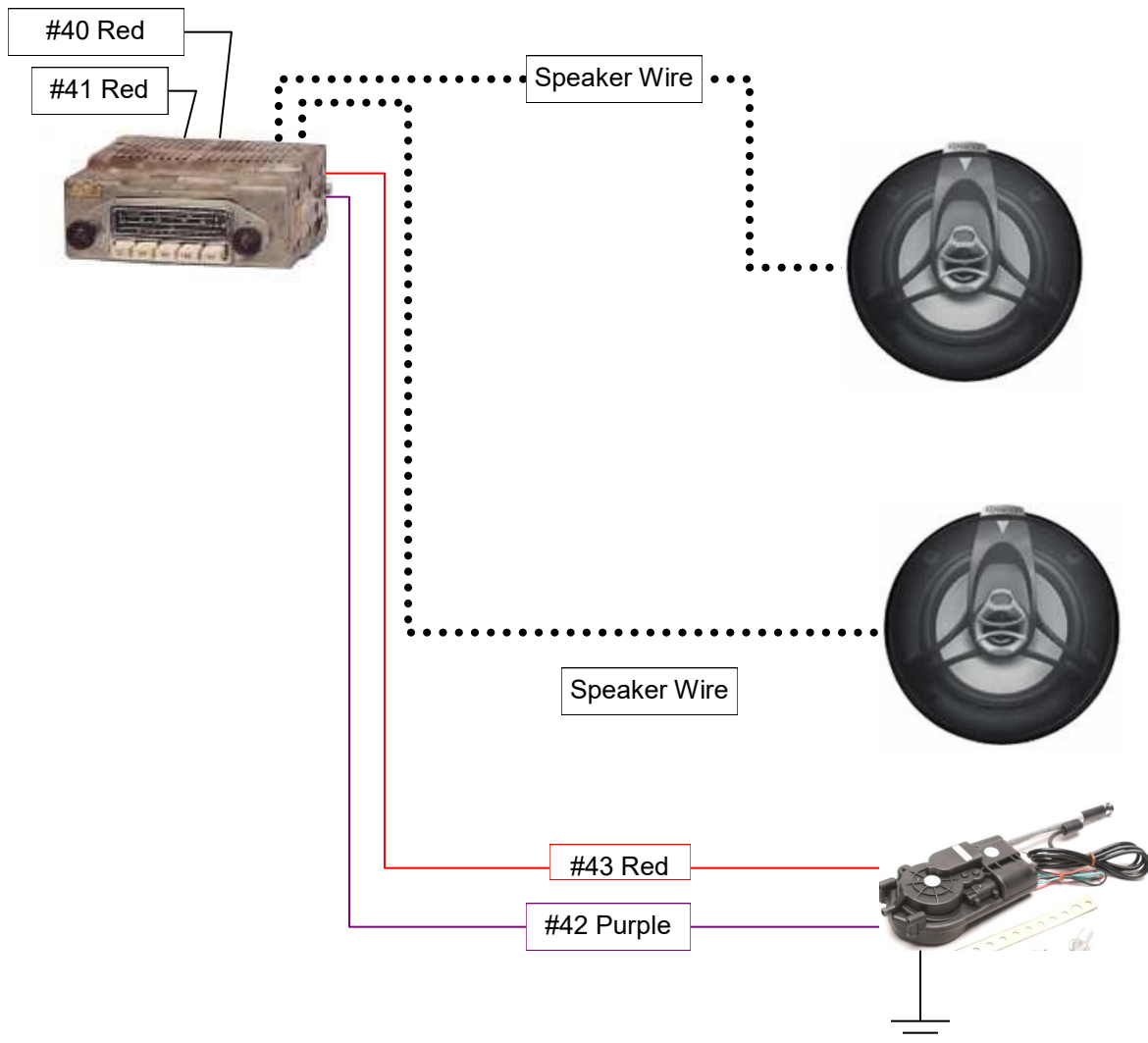
Originates from the radio group and connects to signal wire on your power antenna

43 Red (Power Antenna Constant Hot)

Originates from fuse panel and connects to 12 volt power wire on your power antenna

Speaker Wire

Originates from the radio group and connects to the rear speaker



Cruise Control, Power Door & Back Up Light Group

57 Pink (Cruise Control)

Originates from the fuse panel and connects to the cruise control power wire.

56 Green (Back up Lights)

Originates from the back up light switch and connects to the back up lights.

58 Lt. Green (Back Up Light Switch Power)

Originates from the fuse panel and connects to the back up light switch power wire.

— Power Door —

10 Yellow (Right Door Lock)

Originates from fuse panel and connects to power wire on right power door locks

11 Yellow (Right Power Window)

Originates from fuse panel and connects to power wire on right power window switch

— Power Door —

12 Yellow (Left Door Lock)

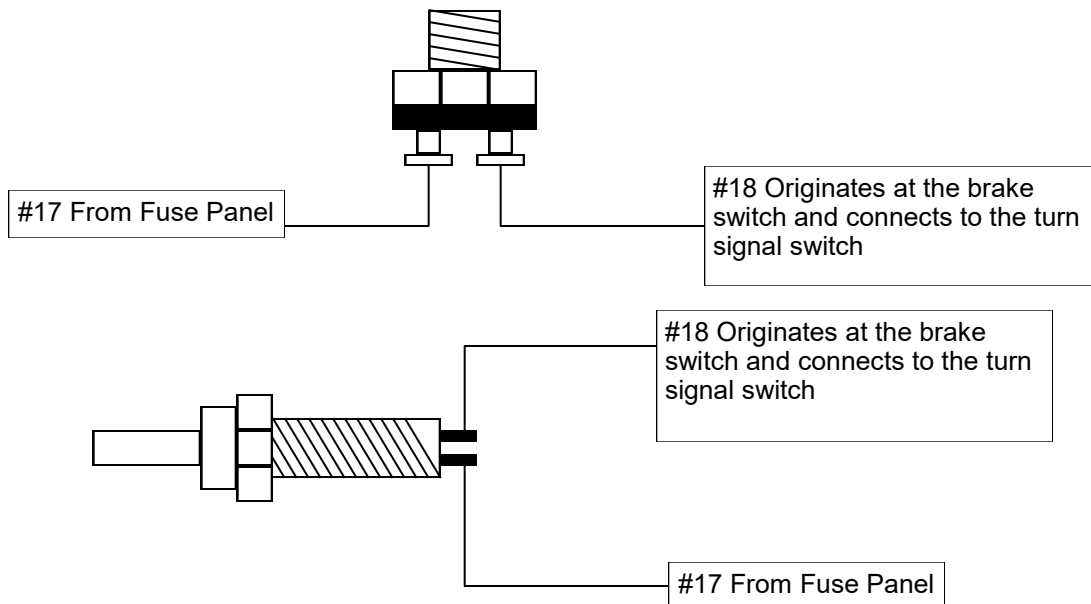
Originates from the fuse panel and connects to the power wire on the left power door locks

13 Yellow (Left Power Window)

Originates from the fuse panel and connects to power wire on the left power window switch

Brake Switch

Hydraulic Brake Switch



17 Orange (Brake power)

Connect to battery side of brake switch

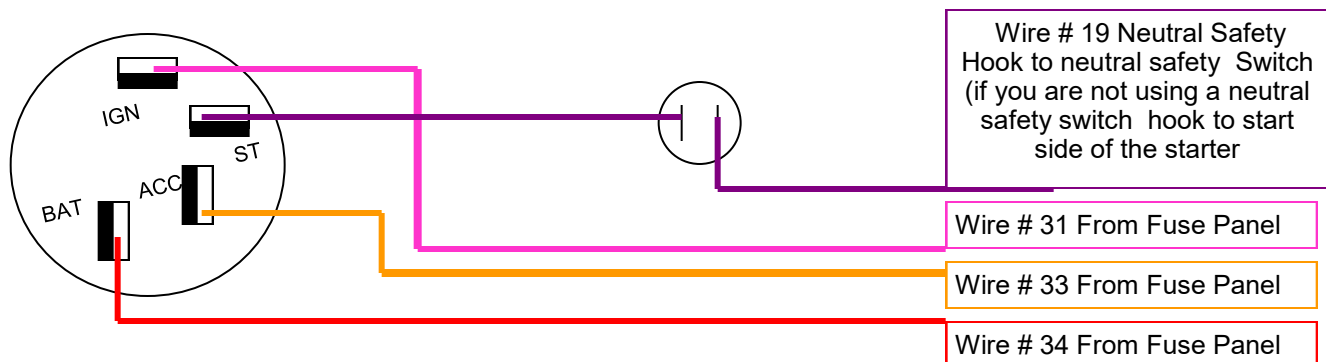
18 White (Brake)

Originates from the brake light switch and hook to turn signal switch

Brake Switch



Ignition With Push To Start



Tail Lights

#29 Brown (Tail Light)

Originates from the headlight switch and connects to the tail lights and also the license plate light.

#48 Green (Right Rear Turn Signal)

Originates from the turn signal switch and connects to the right rear turn lamp.

#49 Yellow (Left Rear Turn Signal)

Originates from the turn signal switch and connects to the left rear turn lamp.

***Note:** On most applications, the brake lights and turn signal wires are the same filament. In this situation you only need to hook up wires # 48 & # 49 the brake lights will work through the turn signal switch on the column*

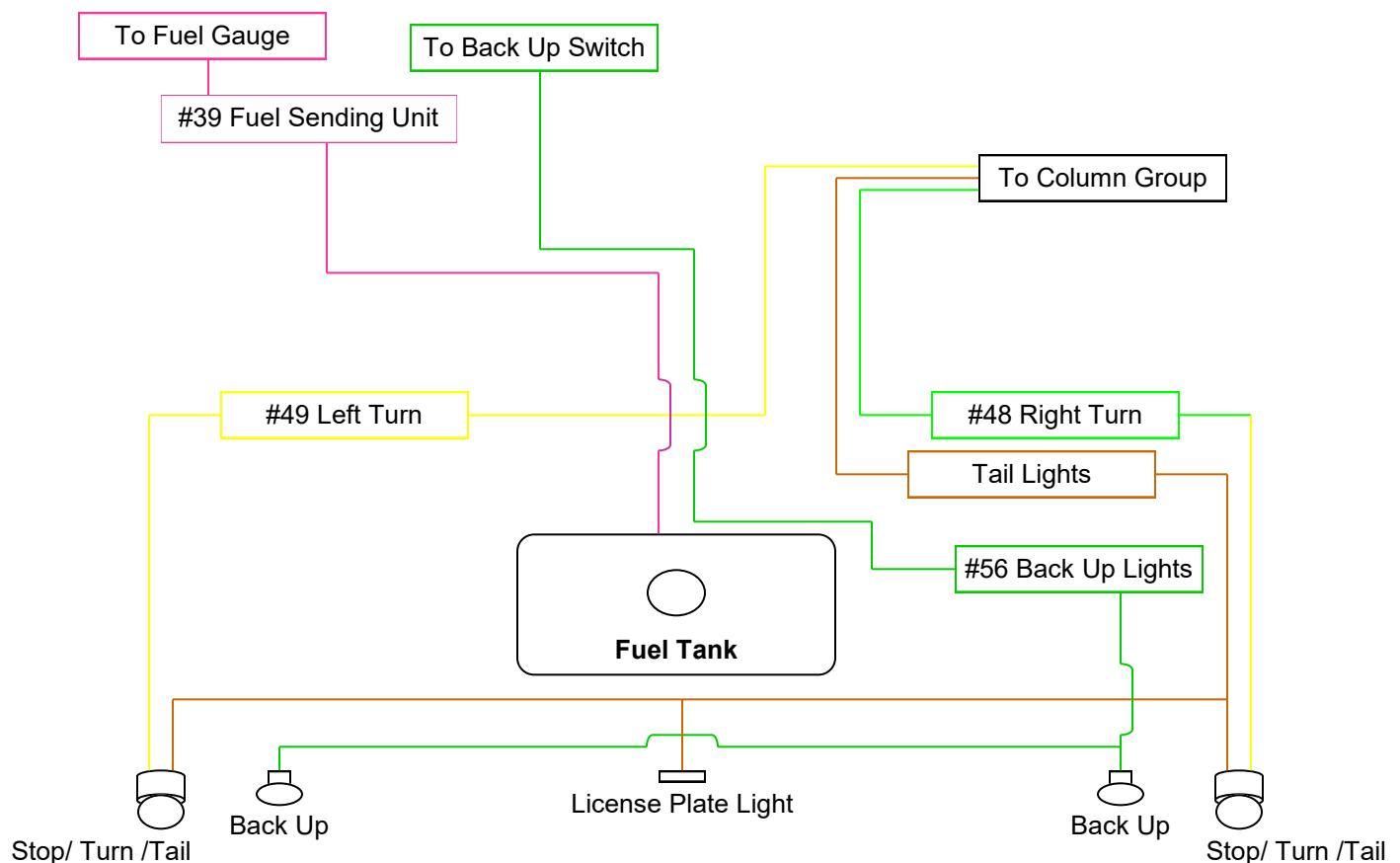
#55 Orange (Third Brake Light)

Originates from the brake light wire #18 and connects to the third brake light **ONLY**

56 Green (Back up Lights)

Originates from the back up light switch and connects to the rear back up lights

****Make sure fuel tank and all lights are grounded to a good clean ground****



Tail Group

39 Pink (Fuel Sending Unit)

Originates from the Fuel sender and connects to the fuel gauge “S” terminal.

47 Yellow (Fuel Pump Power)

Originates from the fuse panel and connects to the fuel pump.

Note: You may need to relay the fuel pump. Check the fuel pump instructions.

42 Purple (Power Antenna Signal)

Originates from the Radio Group and connects to the power antenna signal wire.

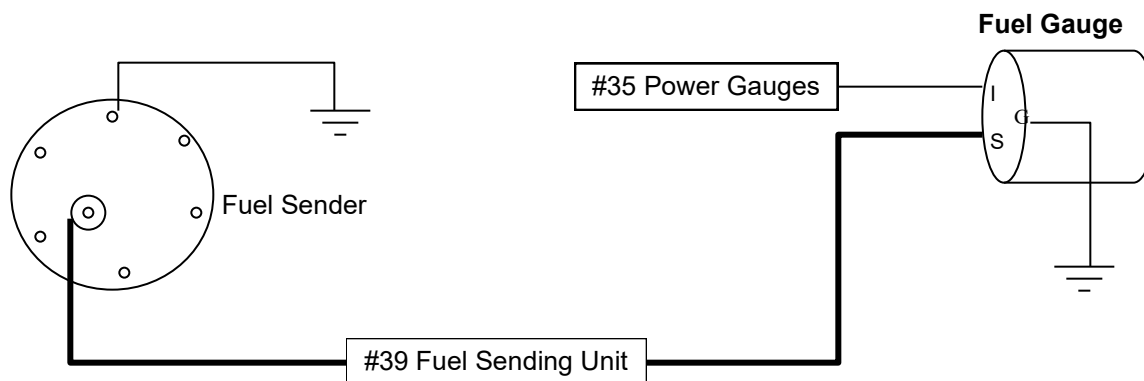
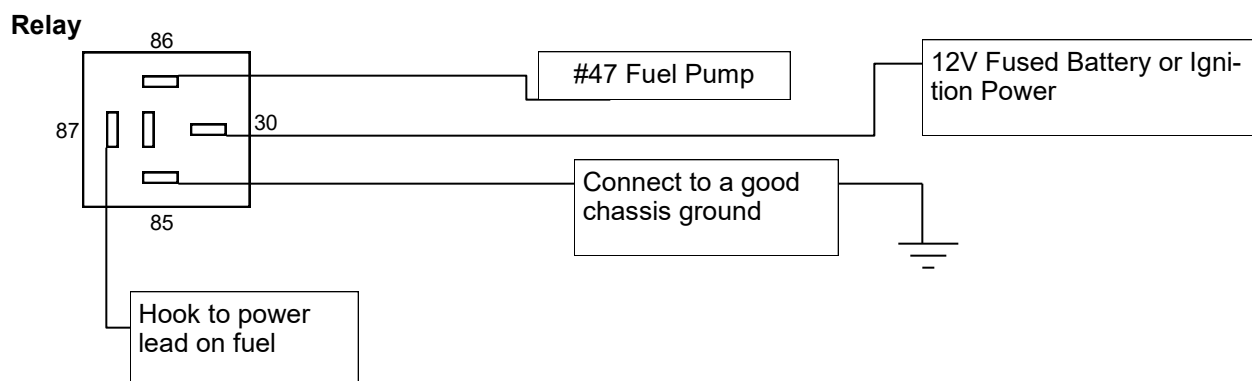
43 Red (Power Antenna Constant Hot)

Originates from the Fuse panel and connects to the power antenna power wire.

46 Green (Trunk Light)

Originates from the fuse panel and connects to the positive side of the trunk light.

— Fuel Pump Relay —



Wire Functions

WIRE	FUNCTION
1	Switched Wire
2	Switched Wire
3	Constant Hot Wire
4	Ignition Hot Wire
5	Ignition Hot Wire
6	Ignition Hot Wire
7	Headlight Switch Power
8	Headlight Switch Power
9	Headlight Switch Power
10	Ignition Hot Wire
11	Constant Hot Wire
12	Ignition Hot Wire
13	Constant Hot Wire
14	Ignition Hot Wire (Not Fused)
15	Constant Hot Wire (Not Fused)
16	Constant Hot Wire (Not Fused)
17	Constant Hot Wire
18	Switched Wire
19	Switched Wire
20	Ignition Hot Wire
21	Sending Unit Wire
22	Sending Unit Wire
23	Sending Unit Wire
24	Constant Hot Wire
25	Switched Wire
26	Switched Wire
27	Headlight Switch Power
28	Headlight Switch Power
29	Headlight Switch Power
30	Headlight Switch Power

WIRE	FUNCTION
31	Ignition Hot Wire
32	Ignition Hot Wire (Not Fused)
33	Ignition Hot Wire (Not Fused)
34	Constant Hot Wire (Not Fused)
35	Ignition Hot Wire
36	Indicator
37	Indicator
38	Indicator
39	Sending Unit Wire
40	Constant Hot Wire
41	Ignition Hot Wire
42	Switched Wire
43	Constant Hot Wire
45	Constant Hot Wire
46	Constant Hot Wire
47	Ignition Hot Wire
48	Switched Wire
49	Switched Wire
50	Constant Hot Wire
51	Constant Hot Wire
52	Ignition Hot Wire
53	Ground
54	Ignition Hot Wire
55	Switched Wire
56	Switched Wire
57	Ignition Hot Wire
58	Ignition Hot Wire
59	Ignition Hot Wire
60	Constant Hot Wire