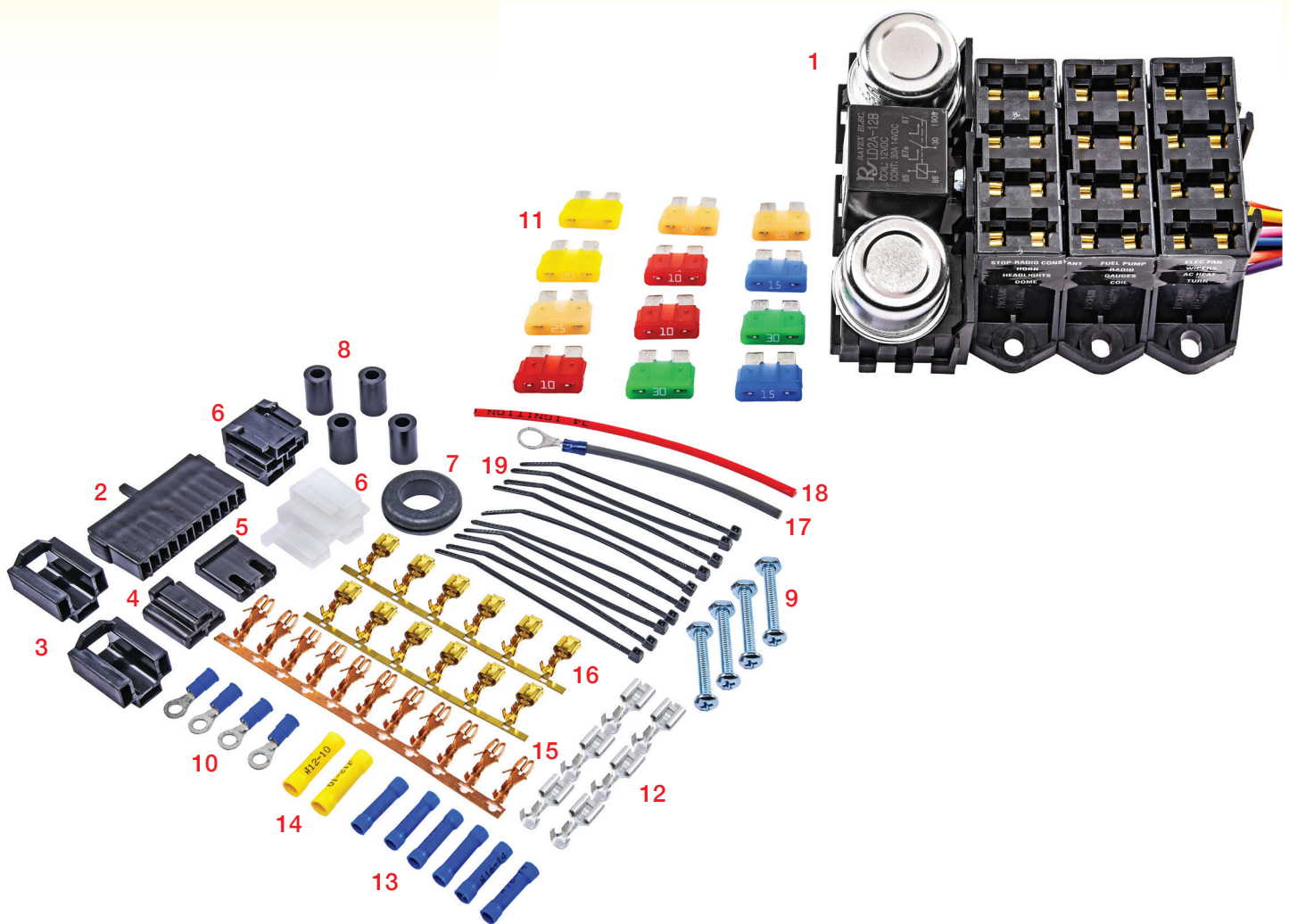


Table of Contents

Parts List	02	Diagrams	10-24
Introduction	03	Motor Group.....	10
Installation	03-04	Alternators.....	11
Wiring	05-09	Ignition Systems.....	12
Motor Group.....	05	Column Group.....	13
Headlight Group H-1.....	05	Electric Fan Relay.....	14
Electric Fan.....	06	Dome Light.....	15
Dome Light.....	06	Wiper Switch.....	16
Accessory Group Switches.....	06	Gauge Cluster.....	17
Accessory Group B+.....	06	Ignition Switch.....	18
Instruments.....	06-07	Column Plug.....	19
Column.....	07-08	Headlight Switch.....	20
Headlight Group.....	08	Brake Switch.....	21
Radio Group.....	08	Tail Group.....	22
Power Door D-1.....	08	Fuel Pump Relay.....	22
Power Door D-2.....	08	Fuse Chart	23
Brake Switch Group.....	08-09	Wire Functions	23
Tail Group.....	09	Optional Accessories	24

Parts List



1	Fuse Panel [14-Circuit]	11	(12) Fuses
2	(1) Column Plug	12	(6) Quick Disconnect Recepticals
3	(2) Headlight Plugs	13	(6) Butt Splice Connectors [16-14 gauge]
4	(1) Dimmer Switch Connector	14	(2) Butt Splice Connectors [12-10 gauge]
5	(1) Alternator Connector	15	(11) Terminals
6	(2) Ignition Switch Connectors [Early & Late]	16	(12) 56-Series Double Wire Female Terminals
7	(1) Grommet [$\frac{3}{4}$ in.]	17	(1) Ring Terminal [Large] with Wire [Gray 4 in.]
8	(4) Fuse Box Standoffs	18	(6 in.) Wire [Red #34]
9	(4) Fuse Box Mounting Screws & Nuts [10-24]	19	(10) Zip Ties [4 in.]
10	(4) Ring Terminals [Small]		

Read Before Installation

Thank you for your purchase of this JEGS Universal Wiring Harness.

Before installation, please be sure to verify that all of the kit components have been received. Reference the parts list on the previous page. If any components are missing or damaged please contact customer service at: 1.800.345.4545.

Installation of this wiring harness requires working with the all aspects of your vehicles electrical components. If your are not comfortable with these processes contact a trusted repair shop to perform the harness installation.

If you are having issues, or have questions regarding the installation of this harness, please contact our technical support department at: 1.800.345.4545.

Return Information: Before modifying any of the parts in this universal harness kit, please trial fit all components. ***Once this kit has been modified, or wires cut it will not be accepted for return.***

Installation

- Disconnect the battery in your vehicle before starting.
- Read the installation instructions and look at all diagrams before proceeding.
- Determine you installation plan before starting.
- Lay the harness out on the floor. This allows the wires to be uncoiled and will help you visualize the installation.
- Determine how you plan to route your wires for the best fit.
- Remove the ties holding the bundles together.
- Leave all labels on the wiring harness until you have completely installed your kit.
- The fuse block needs to be mounted near the steering column under the dash (the wires may be too short if you mount the fuse panel in another location).
- Mount all electrical accessories and switches where they will be on the vehicle (so that the wires are trimmed to the correct length).
- You may need some additional accessories and wiring components not included in this kit to complete your installation.

Installation Cont.

Grounding

Grounding Symbol (\perp)

Ground wires are not included in this kit. Fiberglass body cars cannot use the body as a ground and must run individual ground wires from all components to the frame or engine. In most situations the ground wires must be added to connect the case of each component to the engine or chassis.

Heavy gauge battery cables and grounding straps must be used between the engine/body/frame and the negative battery terminal. The best place to attach the ground strap to the engine is on a starter motor bolt to make sure the starter gets adequate voltage.

All ground connections must be metal to metal connections that are free of dirt, rust, and paint.

Testing

Test for any problems that may occur once the installation has been completed with a 10 amp or smaller battery charger to ensure safety.

Proceed with the installation only after you have read and understand all of the above steps and guidelines.

Mounting Fuse Panel

The Fuse Panel must be mounted near the steering column. When mounting the fuse panel, use the four plastic spacers between the fuse panel and firewall or other mounting surface (this allows room for the wires that run behind the fuse panel). Use the $\frac{3}{4}$ " grommet supplied with the kit to protect the wires

where they pass through the firewall. Use similar grommets (not included) for any other wires that pass through any other panels in the vehicle.

Wiring Groups

The wires that are attached to the fuse panel are organized into groups based on where the wires are connected to the vehicle. Each of these wire groups are shown below along with drawings that show how to make the connections to your vehicle. In some cases there may be different drawings for each type of vehicle (i.e. GM, Ford, and Mopar). You may also need to reference a service manual for electrical drawings for other vehicles since this harness can be used with almost any vehicle that has the engine located in the front and the fuse panel mounted under the dash near the steering column.

Wiring

Motor Group

Wire #14 White 16 Ga. (Alternator Exciter)
Originates from the fuse panel and connects to the alternator. See the Alternator diagram on pg.11.

You will need to run a separate battery cable from the battery lug on alternator to the battery side of the starter solenoid. (wire not included)

Wire #16 Red 10 Ga. (Starter Solenoid)
Originates from the fuse panel and connects to the starter battery lug.

Note: Crimp the gray fusible link on the end of this wire where it attaches to the large post on the starter.

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 the ignition switch drawings in the Column Group on pg.13.

Wire #20 Pink 14 Ga. (Coil)
Originates from the fuse panel and connects to the positive side of 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.

Headlight Group H-1

Wire #27 Brown (Parking Lights)
Originates from the headlight switch and connects to the parking lights

Wire #26 Lt. Blue (Left Front Turn)
Originates from the turn signal plug and connects to the left front turn signal light

Wire #25 Blue (Right Front Turn)
Originates from the turn signal plug and connects to the right front turn signal

Wire #24 Green (Horn)
Originates from the horn relay on the fuse panel and connects to the horn. (Relay is built into the fuse panel)

Wire #9 Tan (Low Beam)
Originates from the dimmer switch and connects to the left and right low beam headlights

Wire #8 Lt. Green (High Beam)
Originates from the dimmer switch and connects to the left and right high beam headlights

Wire #1 Gray (Electric Fan)
Originates from the accessory switch group and connects to the fan power wire

Wiring Cont.

Electric Fan

Wire #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)

Wire #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)

Note: This wiring harness does not come with an electric fan relay.

Dome Light

Wire #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 the interior lighting to all door jam switches as well as the headlight switch.

Note: All door jam switches and headlight switch must be grounded

Accessory Group Switches

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 the electric fan power lead.

Wire #56 Green (Back-Up Lights)

Connect to the back-up light switch on the shifter or transmission

Accessory Group B+

Wire #3 Tan 14 Ga. (Cigarette Lighter Power)

Connects to cigarette lighter battery positive terminal on the back of the lighter.

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

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

Wire #5 Blue 16 Ga. (Wiper Switch Power)

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

Wire #57 Pink Ga. (Cruise Control)

Wire #6 Gray 14 Ga. (Cooling Fan Switch Power)

Wire #58 Green 18 Ga. (Back-Up Light Switch Power)

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

Wiring Cont.

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

Note: Be sure to ground all of the gauges to a good clean ground.

Column Group

Wire #31 Pink (Coil)
Originates from the fuse panel and connects to the ignition switch terminal marked "IGN"

Wire #33 Orange (Ignition Switch Accessory)
Originates from the fuse panel and connects to the ignition switch terminal marked "ACC"

Wire #34 Red (Ignition Power)
Originates from the fuse panel and connects to the ignition switch terminal marked "BAT"

Wire #19 Purple (Neutral Safety)
Originates from the ignition switch and connects to the neutral safety switch.

Wire#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

Wire #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

Wire #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

Wire #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

Wire #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

Wire #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

Wiring Cont.

Wire #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

Wire #18 White (Brake Switch to Turn Switch)
Originates from the brake switch and connects to the turn signal switch terminal "P"

Wire #7 Blue (Dimmer Switch)
Originates from the headlight switch dimmer power and connects to the dimmer switch

Wire #8 Lt. Green (High Beam)
Originates from the dimmer switch high beams to the high beams on the headlights

Wire #9 Tan (Low Beam)
Originates from the dimmer switch low beams to the low beams on the headlights

Note: The late model turn signal connector is not included with this kit, but it is wired exactly the same as the early model.

Headlight Group H-2

Wire #7 Blue (Dimmer Switch)

Wire #27 Brown (Front Parking Lights)

Wire #29 Brown (Tail Lights)

Wire #28 Red (Head Light Switch Power)

Wire #30 Red (Power For Gauge Lights)

Note: Connect each wire to the proper terminal on the headlight switch

Radio Group

Wire #41 Red (Radio Power)
Speaker Wires and power antenna wires are not included with this wiring harness.

Power Door D-1 Group

Wire #10 Yellow (Right Door Lock)
Originates from fuse panel and connects to power wire on right power door locks

Wire #11 Yellow (Right Power Window)
Originates from fuse panel and connects to power wire on right power window switch

Power Door D-2 Group

Wire #12 Yellow (Left Door Lock)
Originates from the fuse panel and connects to the power wire on the left power door locks

Wire #13 Yellow (Left Power Window)
Originates from the fuse panel and connects to power wire on the left power window switch

Brake Switch Group

Wire #17 Orange (Brake power)
Connect to battery side of brake switch

Wiring Cont.

Wire #18 White (Brake Switch to Turn Switch)
Originates from the brake light switch and hooks up to turn signal switch

Tail Group

Wire #29 Brown (Tail Light)
Originates from the headlight switch and connects to the tail lights and also the license plate light.

Wire #48 Green (Right Rear Turn Signal)
Originates from the turn signal switch and connects to the right rear turn lamp.

Wire #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

Wire #55 Orange (Third Brake Light)
Originates from the brake light wire #18 and connects to the third brake light ONLY

Wire #56 Green (Back up Lights)
Originates from the back up light switch and connects to the rear back up lights

Wire #39 Pink (Fuel Sending Unit)
Originates from the Fuel sender and connects to the fuel gauge "S" terminal.

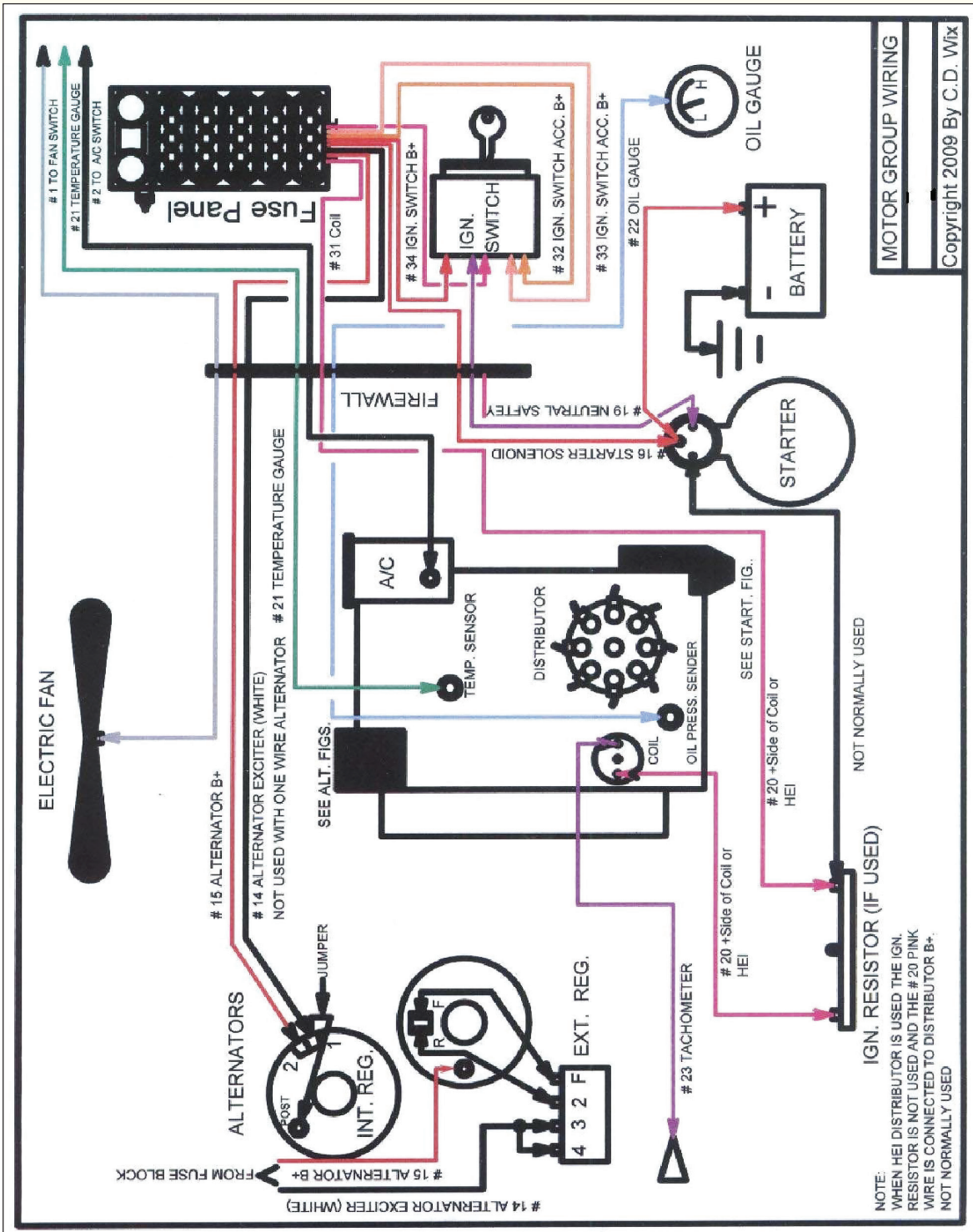
Wire #47 Yellow (Electric Fuel Pump Power)
Originates from the fuse panel and connects to the fuel pump.

Note: You may need a relay for the fuel pump (available separately part # 555-10564). Check the instruction sheet for your electric fuel pump to see if a relay is required.

Wire #46 Green (Trunk Light Power)
Originates from the fuse panel and connects to the positive side of the trunk light.

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

Diagram: Motor Group



MOTOR GROUP WIRING
 Copyright 2009 By C.D. Wix

Diagram: Alternators

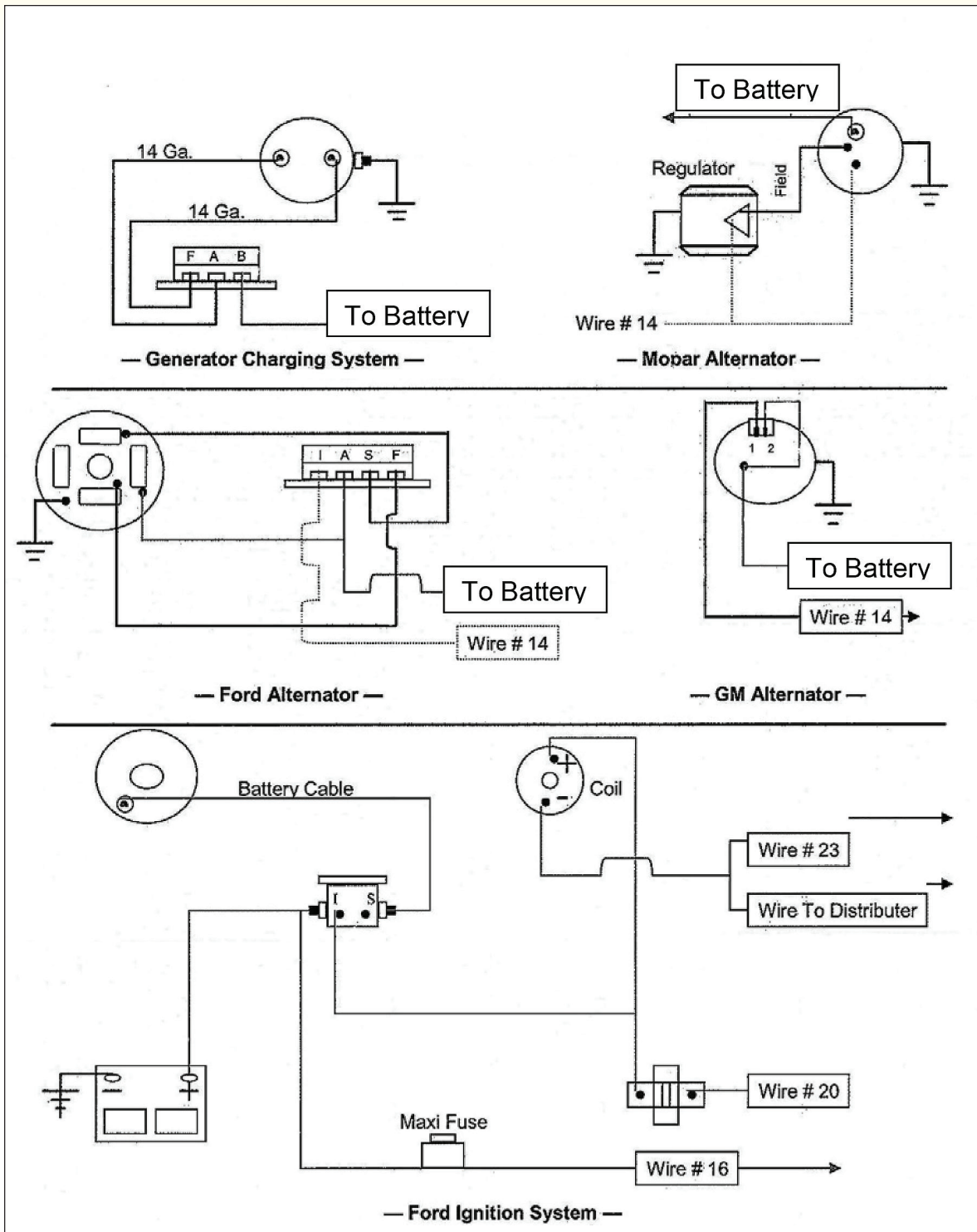


Diagram: Ignition System

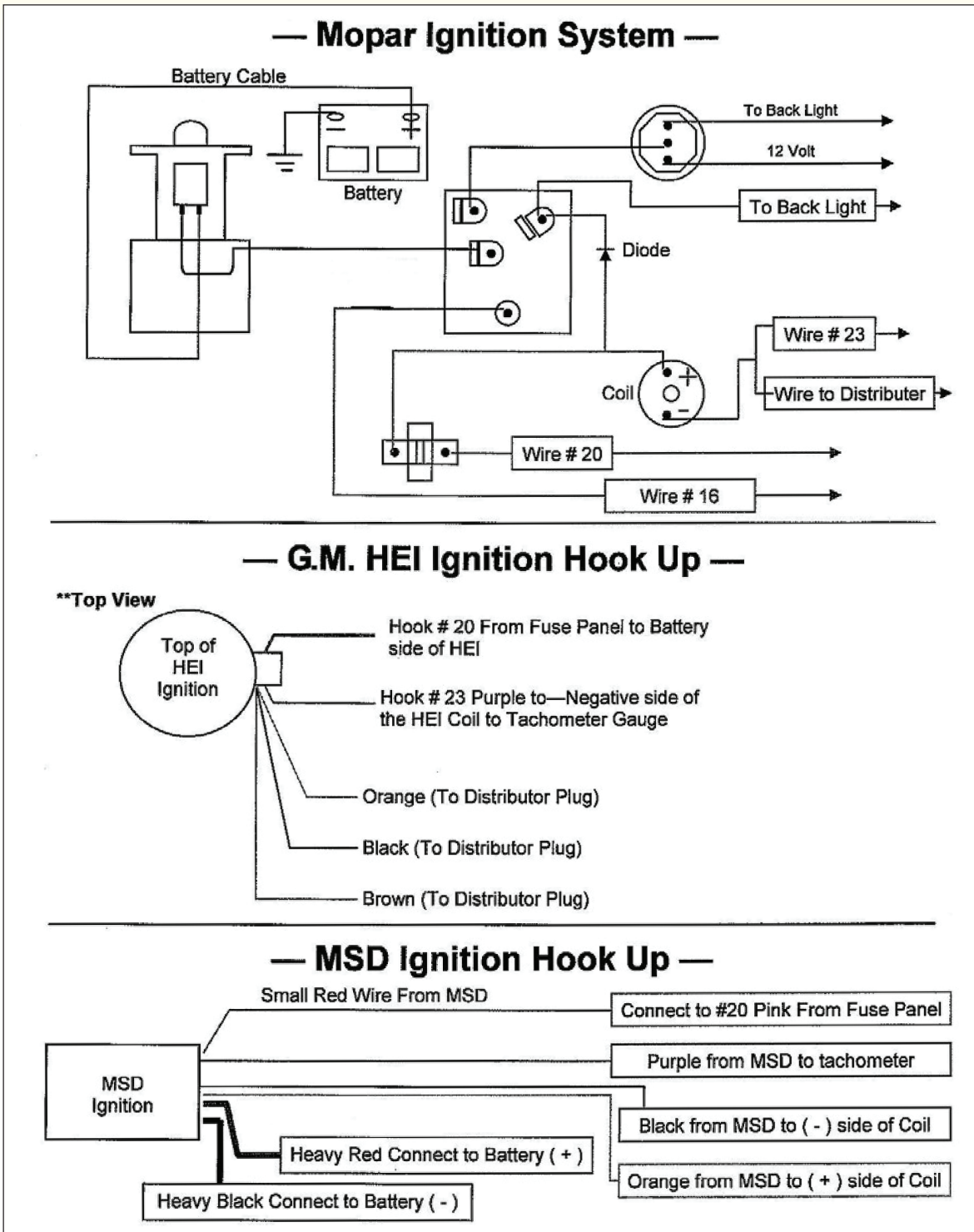


Diagram: Column Group

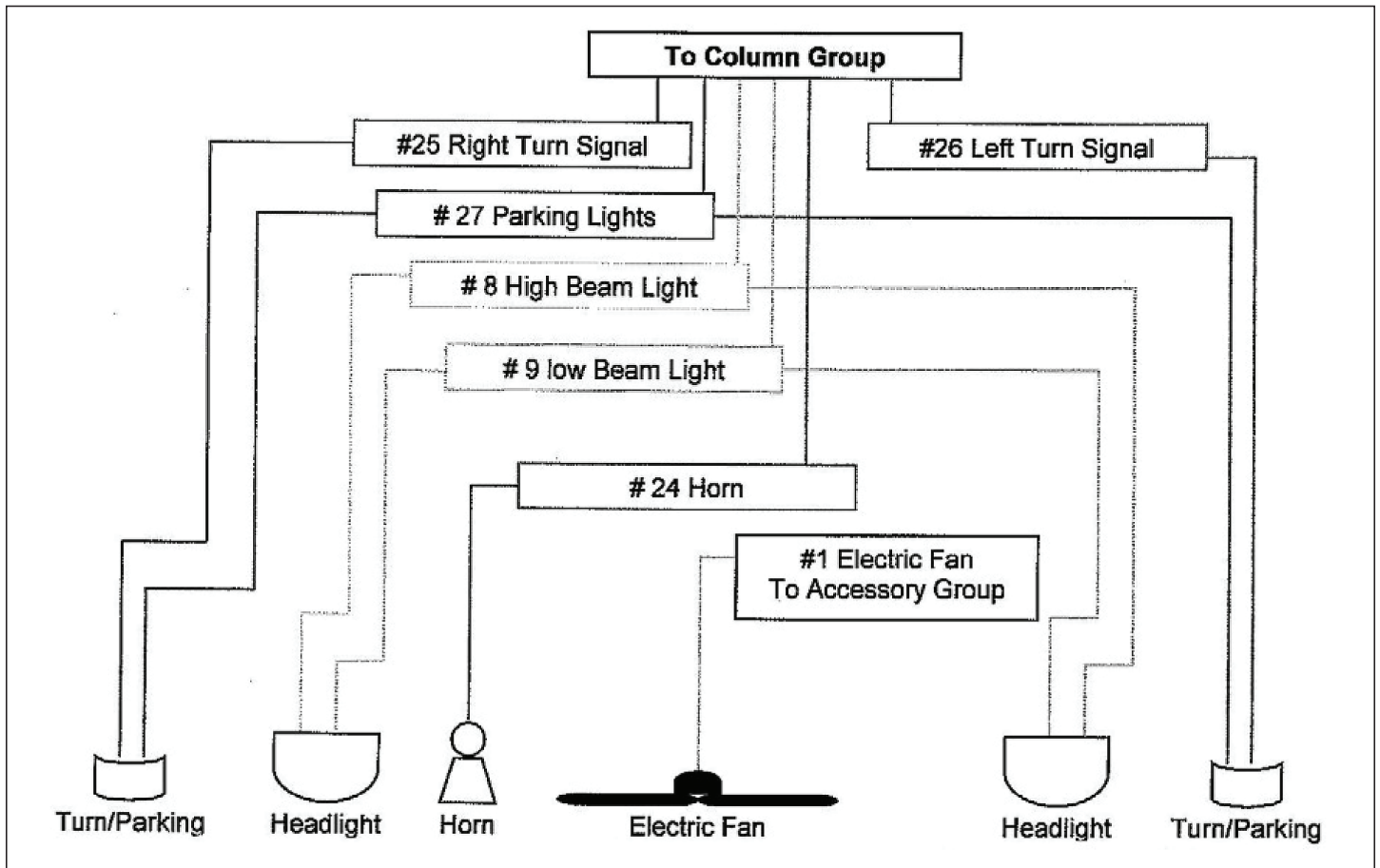


Diagram: Electric Fan Relay

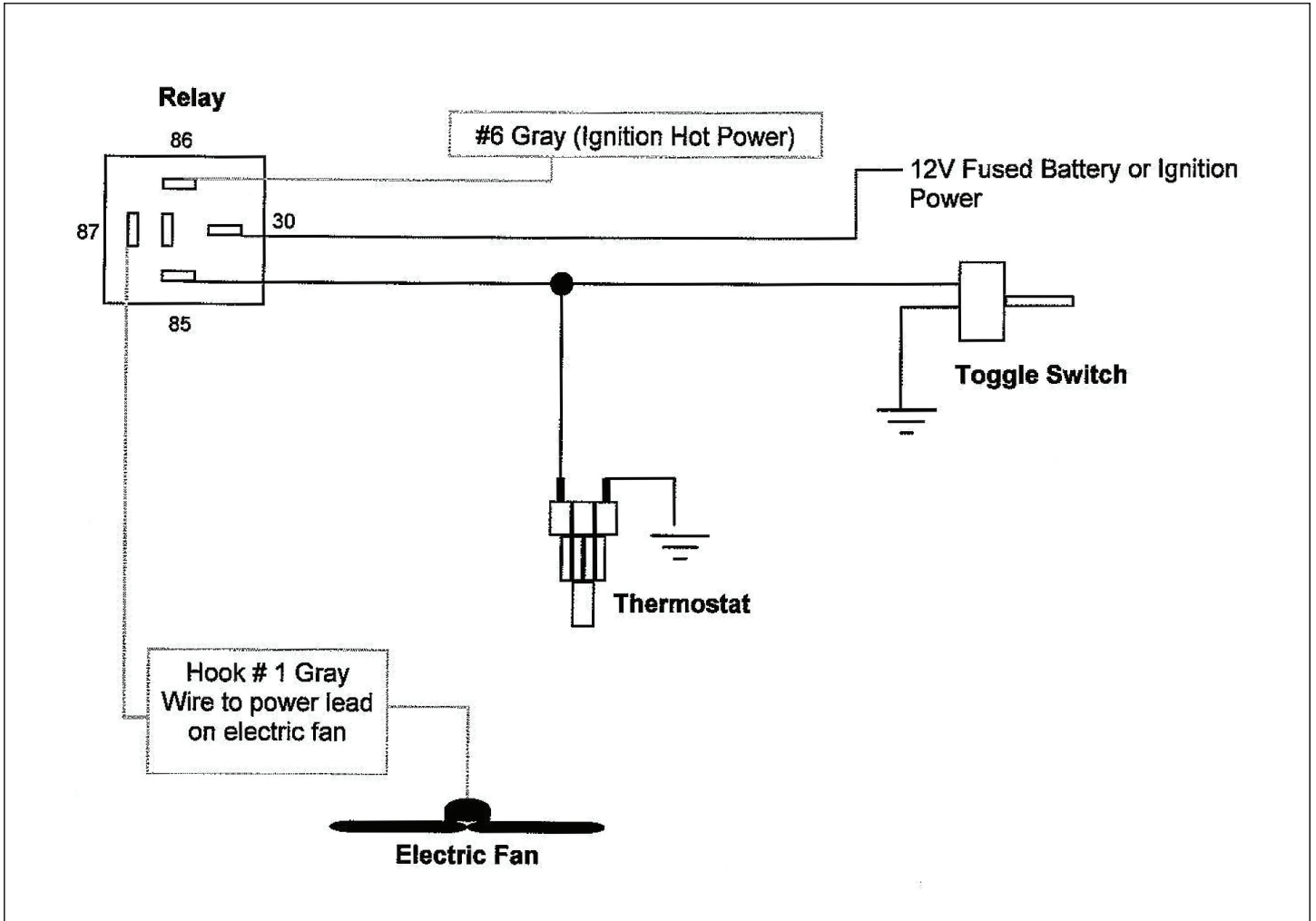


Diagram: Dome Light

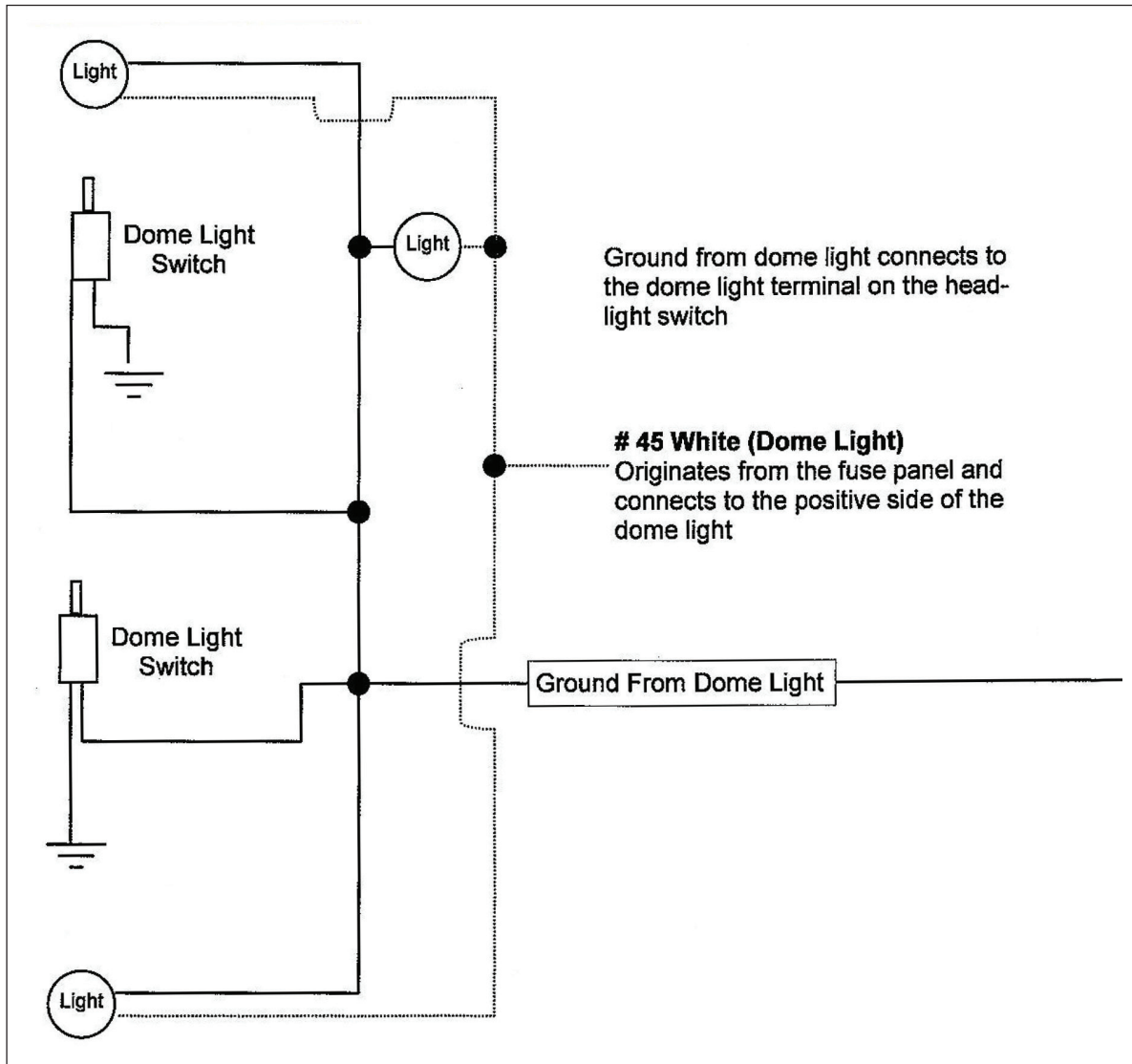


Diagram: Wiper Switch

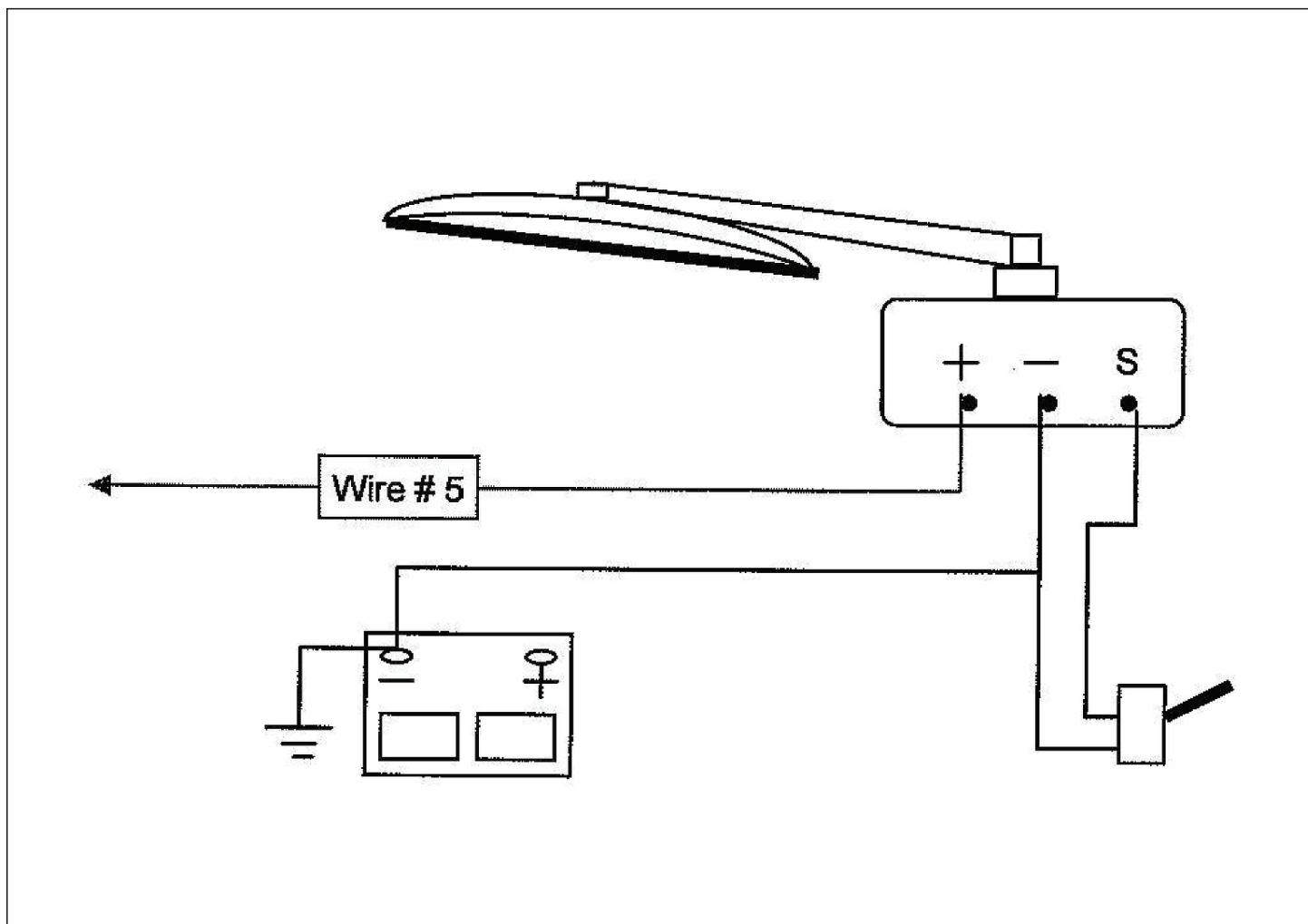


Diagram: Gauge Cluster

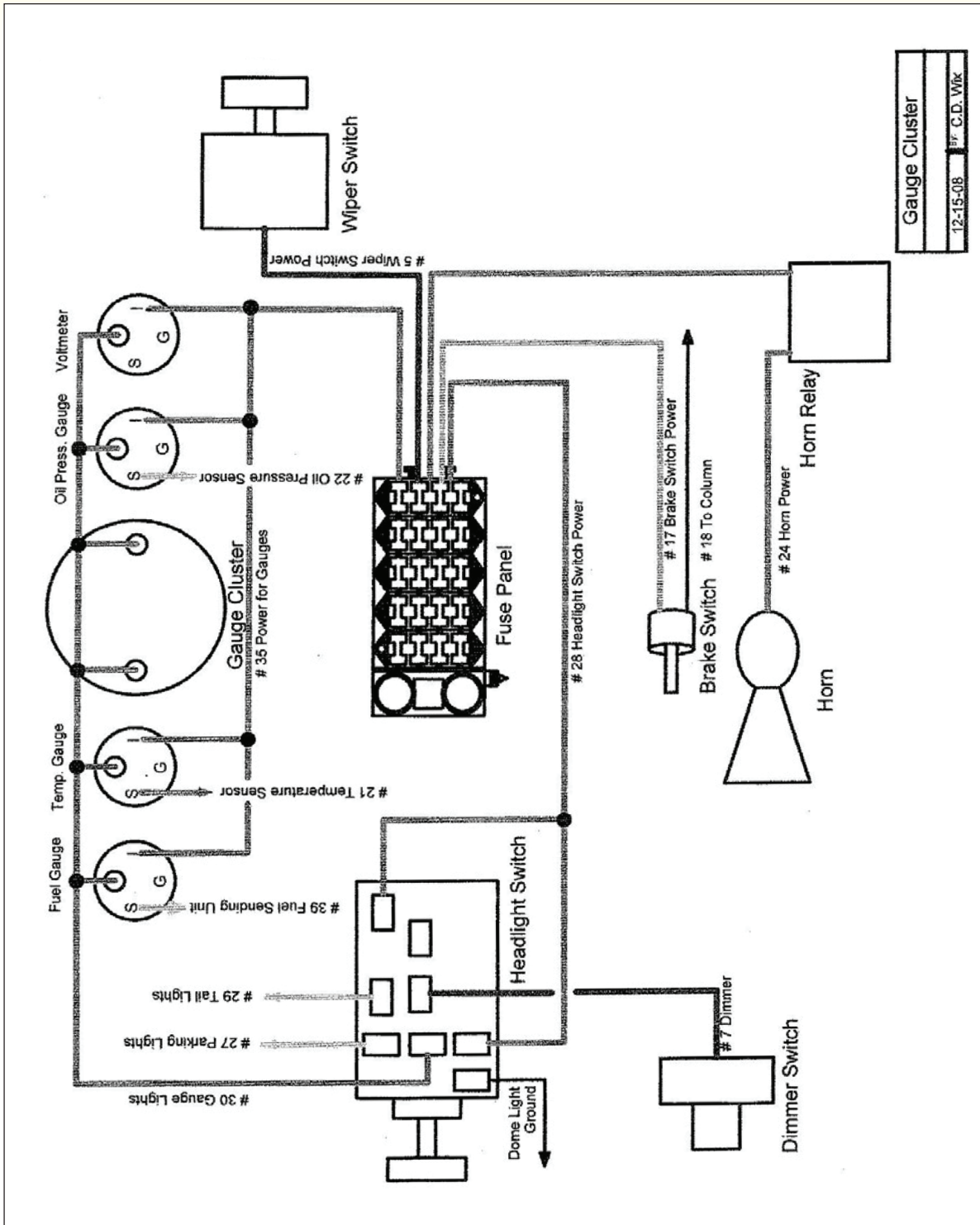


Diagram: Ignition Switch

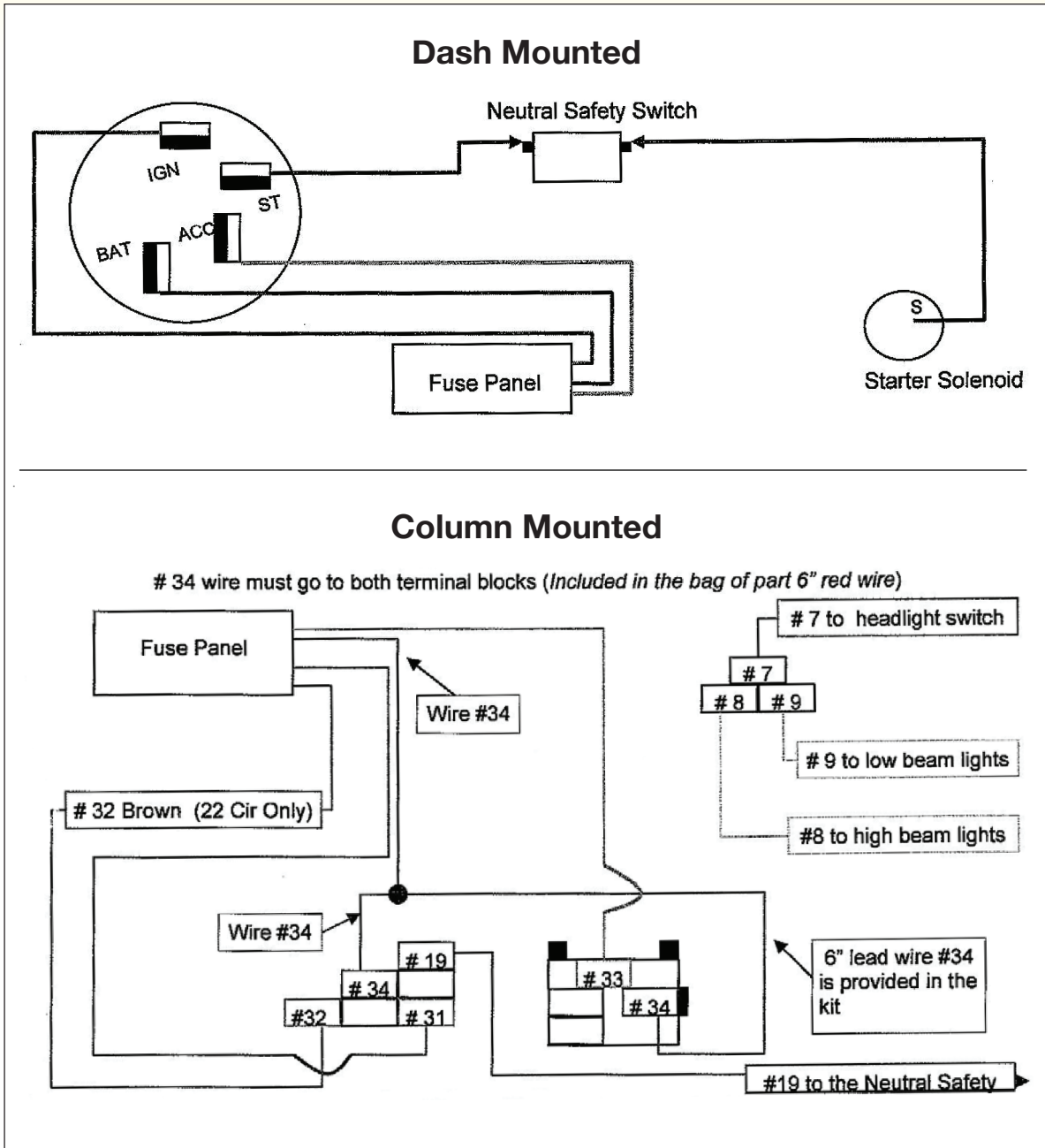
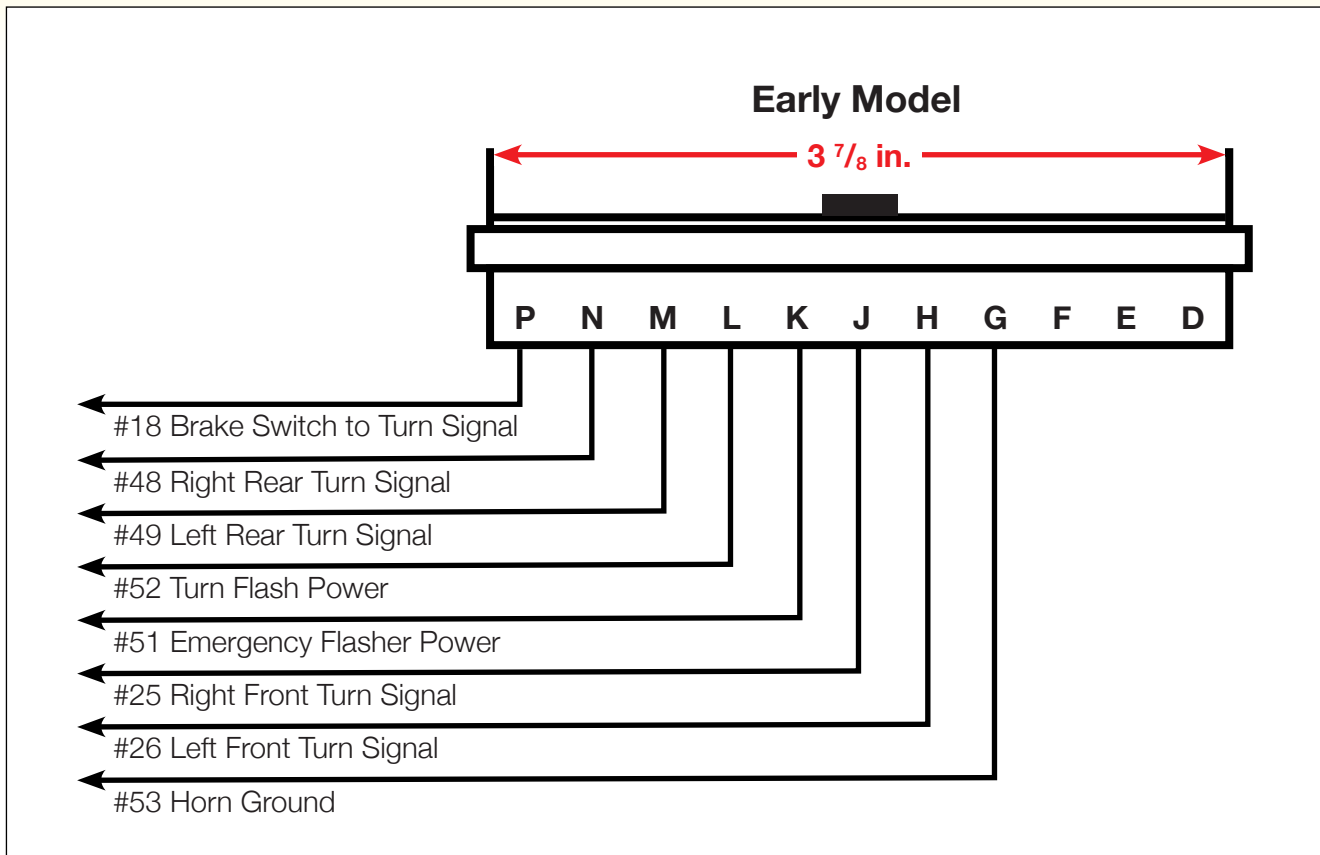


Diagram: Column Plug

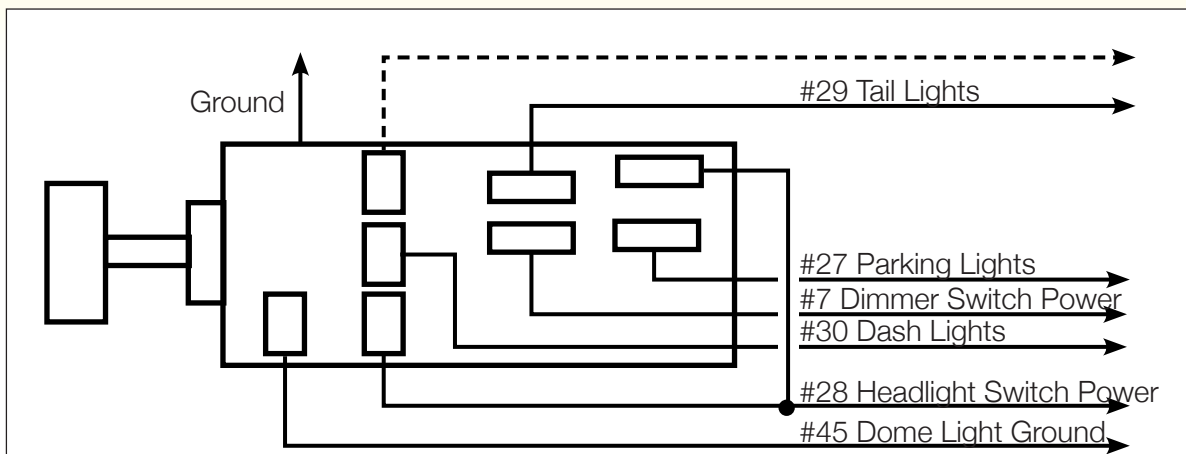


Ford Column Turn Signal Group	
White/Blue	Right Front Turn
White/Red	Emergency Flasher
Green/White	Left Front Turn
Green/Orange	Left Rear Turn
Orange/Blue	Right Rear Turn
Green	Brake Light
Blue	Power for Turn Signals
Black/Green	Ignition Accessory
Black	Ignition Coil
Brown/Purple	Starter
Yellow	Ignition Power

Mopar Column Turn Signal Group	
Tan	Right Front Turn
Pink	Emergency Flasher
Green	Left Front Turn
Green	Left Rear Turn
Brown	Right Rear Turn
White	Brake Light
Red	Power for Turn Signals
Blue	Ignition Accessory
Brown	Ignition Coil
Yellow	Starter
Red	Ignition Power

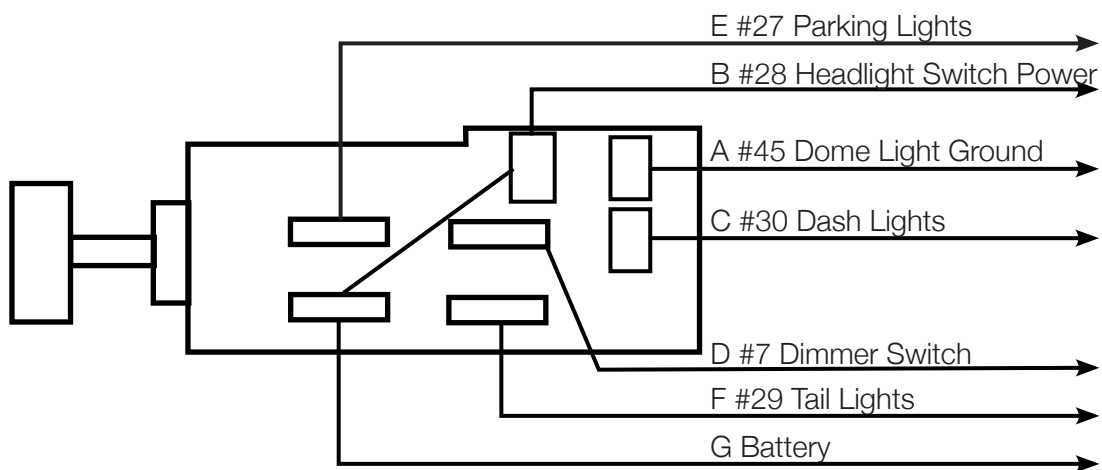
Note: The included plug is 2 ³/₈ in. wide. This plug fits into an early style 3 ⁷/₈ in. wide connector.

Diagram: Headlight Switch (H-2 Group)



GM Headlight Switch

Note: On late GM style headlight switches the parking light terminal (Wire #27) is also connected. This wire has been omitted in the above diagram. If needed, connect as shown by the dotted line in the above diagram.



Ford Headlight Switch

Diagram: Brake Switch

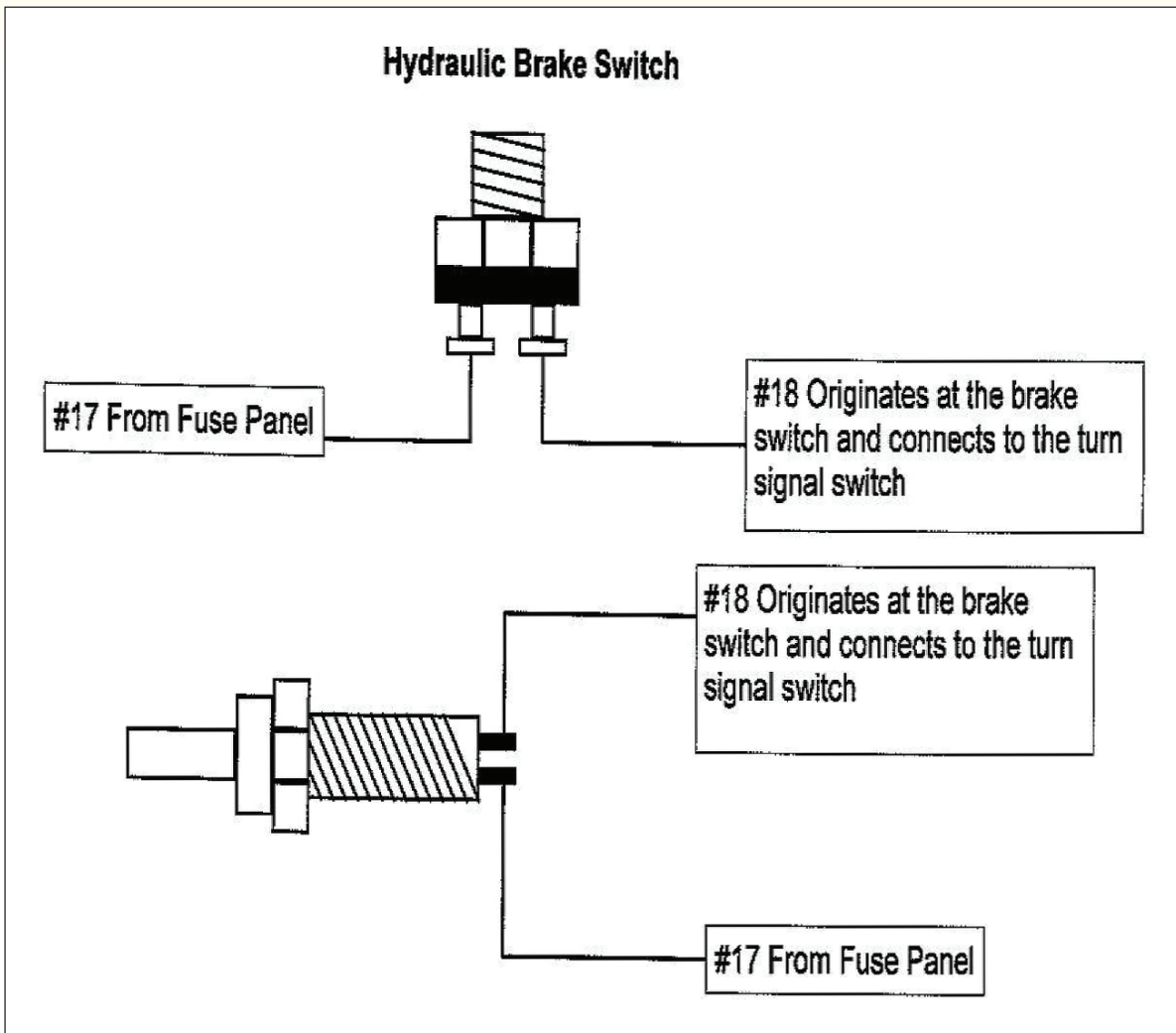
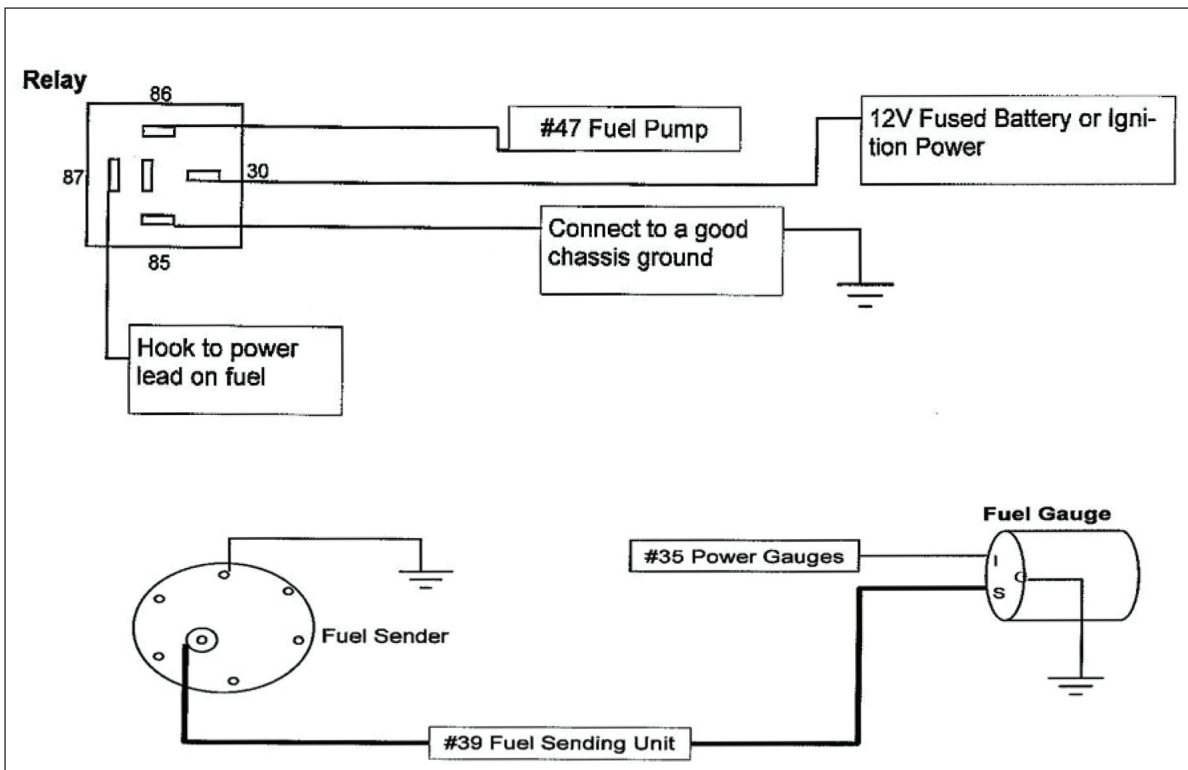
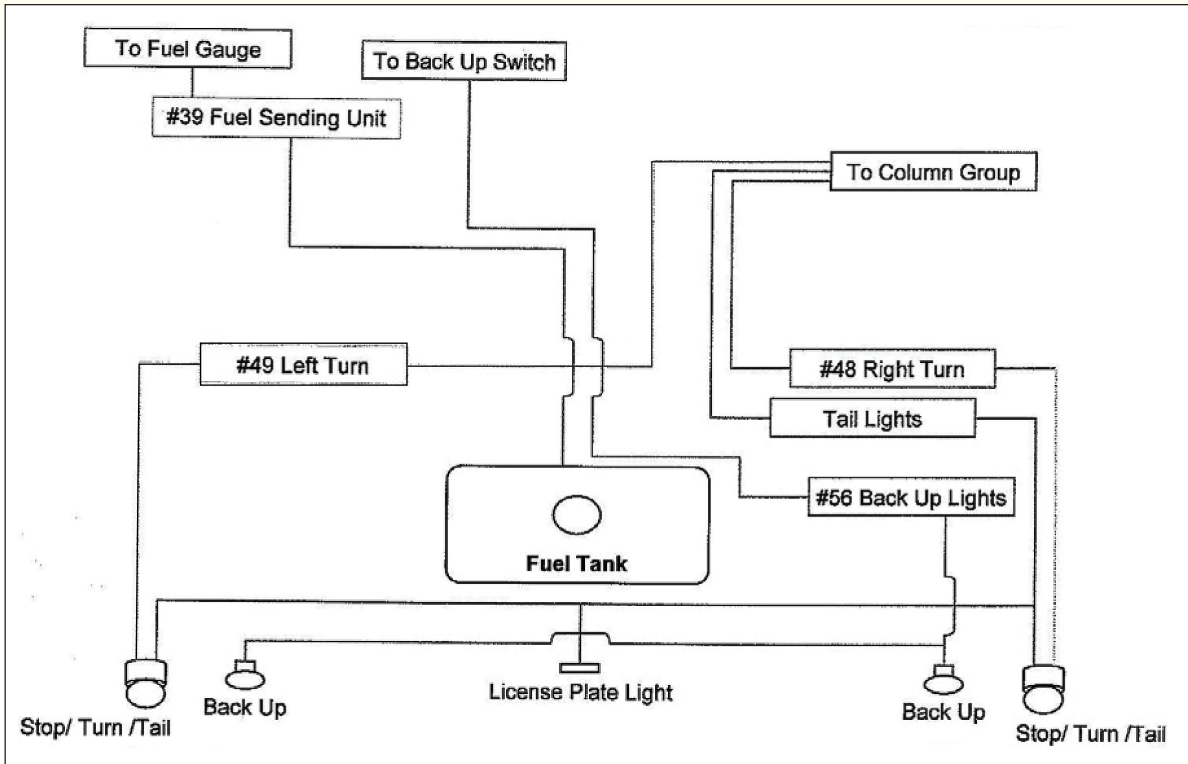


Diagram: Tail Group & Fuel Pump Relay



Fuse Chart & Wire Functions

Fuse Chart

Function	Amp Fuse
Hazard	25
Horn	20
Dome Light	10
Cigarette Lighter	20
Fuel Pump	25
Wipers	15
Gauges	20
Electric Fan	25
Power Door Locks	20
Stop Lights	20
Headlights	25
Coil	30
A/C Heat	30
Power Windows	30
Turn Signals	15
Radio	10

Note: Use only the recommended fuse size.

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 Power Switch
8	Headlight Power Switch
9	Headlight Power Switch
10	Constant Hot Wire
11	Ignition Hot Wire
12	Constant Hot Wire
13	Ignition Hot Wire
14	Ignition Hot Wire (Not Fused)

16	Constant Hot Wire (Fused)
17	Constant Hot Wire
18	Switched Wire
19	Switched Wire
20	Ignition
21	Sending Unit Wire
22	Sending Unit Wire
23	Sending Unit Wire
24	Constant Hot Wire
25	Switched Wire
26	Switched Wire
27	Headlight Switched Wire
28	Constant Hot Wire
29	Headlight Switched Wire
30	Headlight Switched Wire
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
44	Constant Hot Wire
45	Constant Hot Wire
46	Constant Hot Wire
47	Ignition Hot Wire
48	Switched Wire
49	Switched 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

Optional Accessories

Optional Accessories

- Headlight Switch & Pigtail: 555-11110K
- Windshield Wiper/
Washer Switch: 555-11115
- Ignition Switch w/ Keys: 555-11100
- Headlight Dimmer Switch: 555-11125
- GM HEI Power & Tach Pigtails: 555-10552
- Push Button Switch: 555-10310
- Door Jamb Switch: 555-11121
- Hydraulic Brake Light
Switch Kit: 555-63070K1
- Master Disconnect Switch: 555-10305
- Ground Strap – 13”: 555-10295
- Ground Strap – 18”: 555-10296
- Ground Strap – 24”: 555-10297
- Fuel Pump Relay & Harness: 555-10564
- Manual Single Fan Relay
& Harness: 555-10559
- Temp-Controlled Fan Relay
& Harness 180°: 555-10560
- Temp-Controlled Fan Relay
& Harness 195°: 555-10560
- Weatherpack Starter Kit: 555-10750
- Unsealed Connector Kit: 555-10900
- Crimp Connector Set: 555-10705 or
555-10700
- Heat Shrink Tubing Kit: 555-10630
- Convoluted Tubing Kit: 555-10665
- Flexbraid Wire Cover Kit: 555-10658
- Grommet Assortment Kit: 555-10360
- Fuse Assortment: 555-W5368
- LED Indicator Lamp –
Red - 1/8” Bulb: 555-11050
- LED Indicator Lamp –
Blue – 1/8” Bulb:
555-11051
- LED Indicator Lamp –
Amber – 1/8” Bulb: 555-11052
- LED Indicator Lamp –
Green – 1/8” Bulb: 555-11053
- LED Indicator Lamp –
Red – 5/16” Bulb: 555-11060
- LED Indicator Lamp –
Blue – 5/16” Bulb: 555-11061
- LED Indicator Lamp –
Amber – 5/16” Bulb: 555-11062
- LED Indicator Lamp –
Green – 5/16” Bulb: 555-11063
- LED Indicator Lamp –
Red – 1/2” Bulb: 555-11070
- LED Indicator Lamp –
Blue – 1/2” Bulb: 555-11071
- LED Indicator Lamp –
Amber – 1/2” Bulb: 555-11072
- LED Indicator Lamp –
Green – 1/2” Bulb: 555-11073
- Self Fusing Silicon Tape: 555-75050 or
555-75051
- Wire Crimping Tool: 555-80575 or
555-80566
- Cut and Pull
Wire Stripper Tool: 555-80573
- Convoluted Tubing
Installation Tools: 555-10669
- Digital 5-Gauge Panel: 555-41660
through 555-41623
- Digital 6-Gauge Panel
w/ Tachometer: 555-41625
through 555-41628