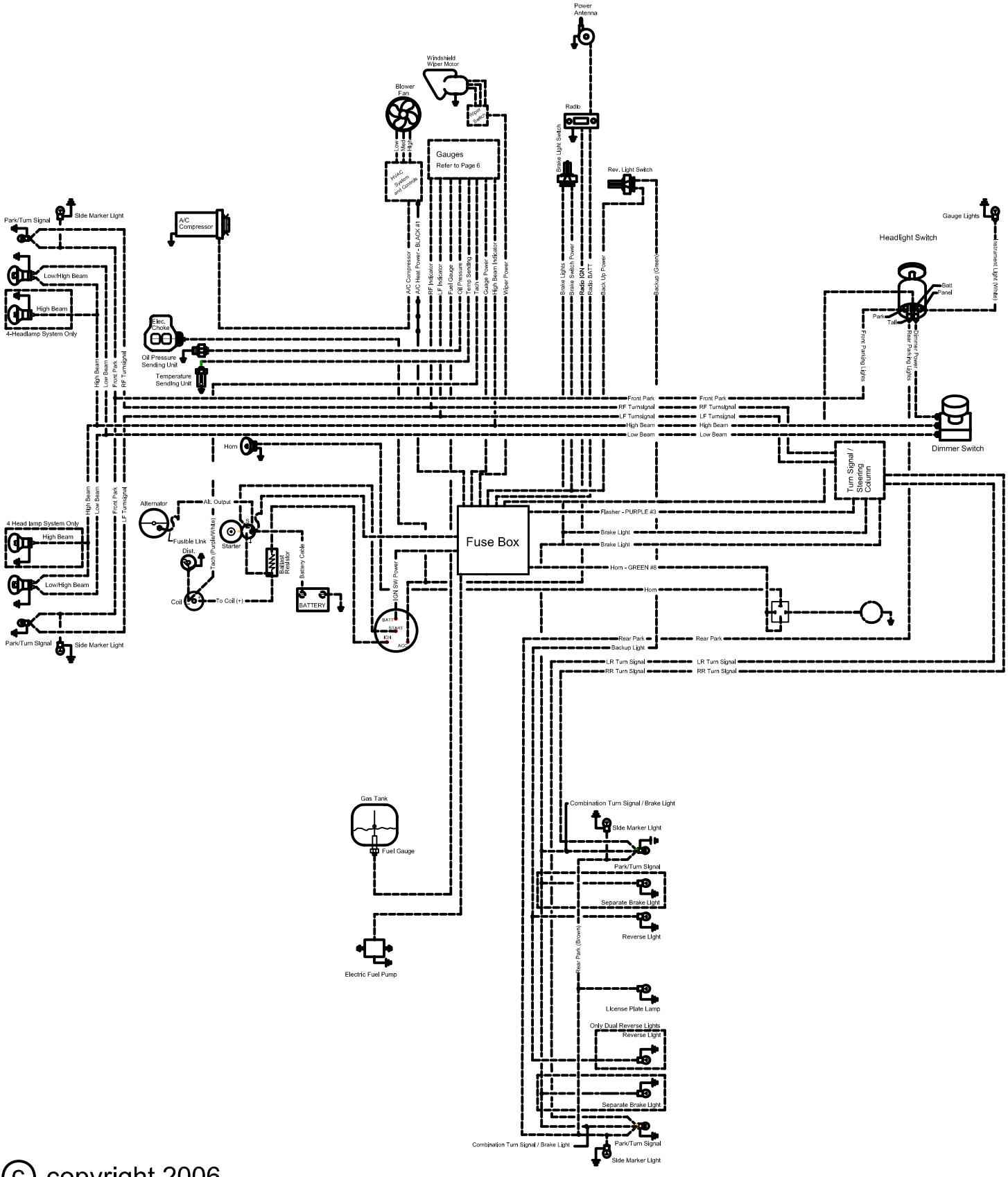
# EZ2Wire - E12 Wiring Harness

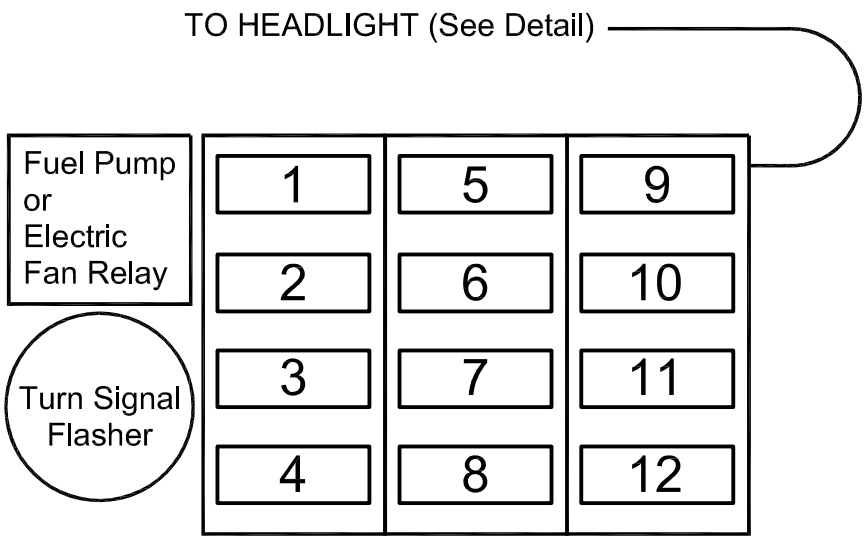
# Installation Manual



# EZ2Wire E12
# Diagram and Instruction Manual

## Circuits and Fuses

| Circuit: | Amps: |
|---|---|
| #1 - AC Heat | 20 |
| #2 - Guages | 15 |
| #3 - Turn Signals | 10 |
| #4 - Wipers | 20 |
| #5 - Accessory (Key) | 20 |
| #6 - Accessory (Key) | 15 |
| #7 - Accessory (Batt) | 10 |
| #8 - Accessory (Batt) | 5 |
| #9 - Fuel Pump/El. Fan (Relay) | 20 |
| #10 - Brake/Back-Up | 15 |
| #11 - Accessory (Batt) | 10 |
| #12 - Accessory (Batt) | 5 |



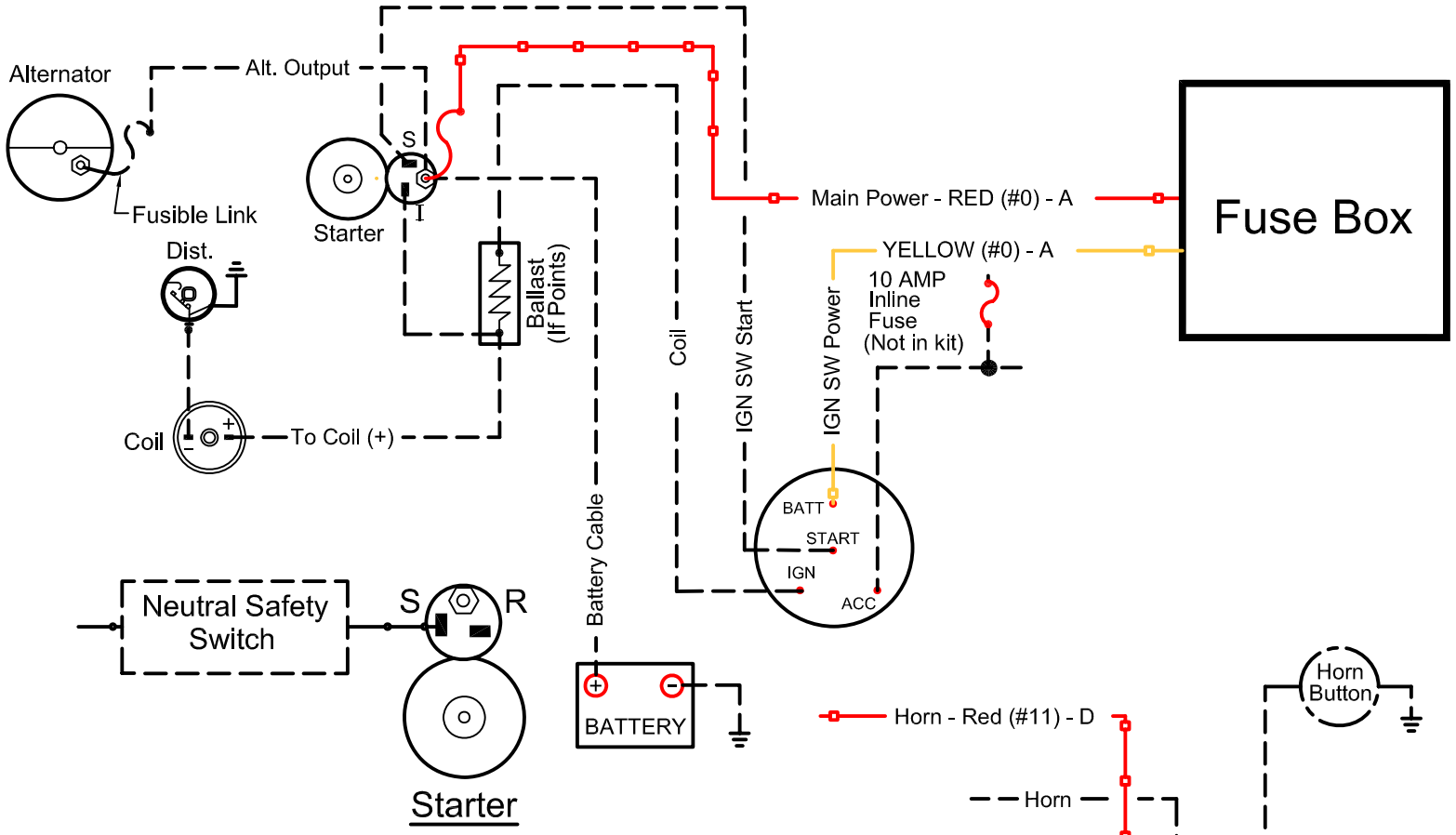

| Circuit: | Group: | |
|---|---|---|
| To Battery | A | LARGE Red |
| To Ign Switch | A | LARGE Yellow |
| #1 - AC Heat | B | Black |
| #2 - Guages | C | White |
| #3 - Turn Signals | B | Purple |
| #4 - Wipers | B | Brown |
| #5 - Accessory (Key) | D | Yellow |
| #6 - Accessory (Key) | D | Yellow |
| #7 - Accessory (Batt) | D | Red |
| #8 - Accessory (Batt) | D | Red |
| #9 - Fuel Pump/El. Fan (Relay) | B | Gray |
| #10 - Brake/Back-Up | C | Red |
| #11 - Accessory (Batt) | C | Red |
| #12 - Accessory (Batt) | C | Red |

## Notes:

1. In retrofit applications refer to your factory wiring diagram to properly rewire model specific systems such as: A/C, Wiper motor, etc.

2. Diagram represents the wiring as sent to you with the kit. Many wires are not included in the kit. Such as ground, control wires, supplemental wires, etc.

3. Point type systems require a ballast resistor to lower the voltage to the coil and extend point life. Ford and MOPAR use a resistor wire originally for this, but you can substitute with a ceramic ballast resistor in our harness. It is important to also install a bypass wire so that the coil can have full voltage at start-up. For GM cars use the above diagram. For Ford the wires are the same, but the bypass comes from the start solenoid terminal marked I. MOPAR runs the bypass wire from the starter relay terminal marked IGN

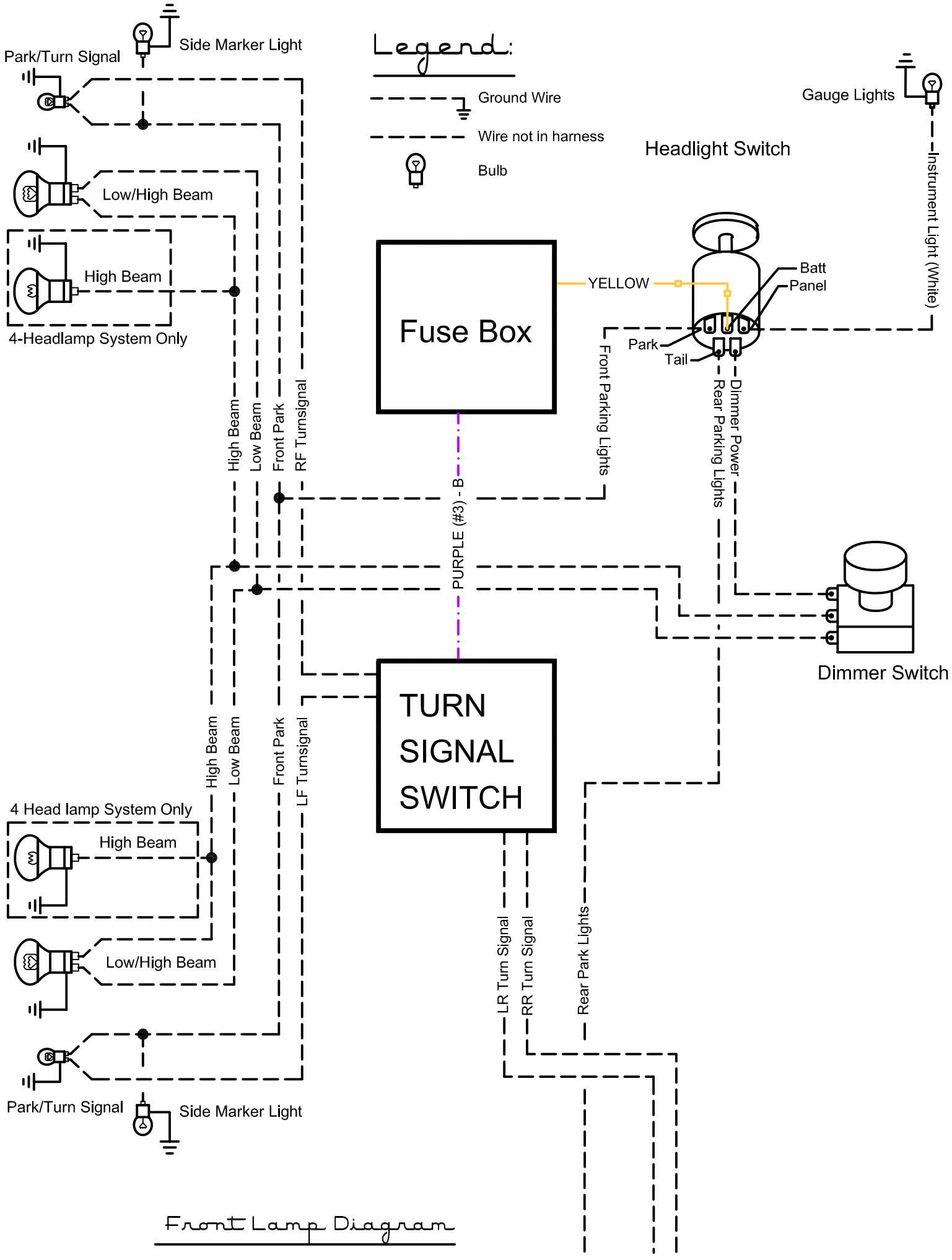


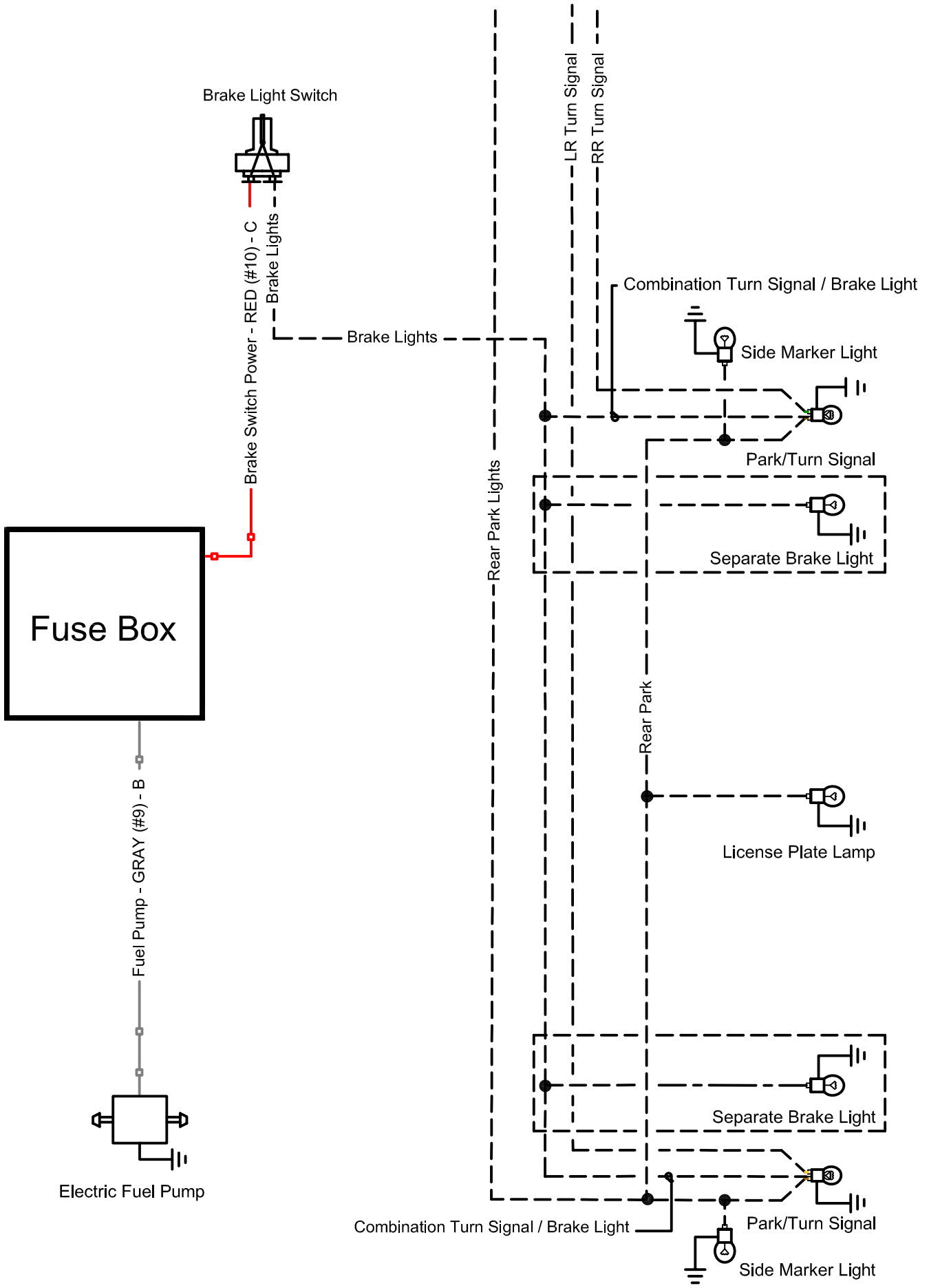

## Neutral Cut Off Switch

If you have a Neutral Safety Switch (Primarily Automatic Equipped Vehicles), You will cut the ignition switch start wire and attach both ends to the each connector on the Neutral Safety Switch. End at the S of the Terminal on the starter, or where the IGN SW Start (YELLOW #0) wire is terminated at the starter relay.

## Horn Circuit

(If Needed)


Legend:
Ground Wire
Wire not in harness
Bulb
Park/Turn Signal
Side Marker Light
Low/High Beam
High Beam
4-Headlamp System Only
Gauge Lights
Instrument Light (White)
Headlight Switch
Fuse Box
YELLOW
Batt
Panel
Park
Tail
Front Parking Lights
Rear Parking Lights
Dimmer Power
PURPLE (#3) - B
High Beam
Low Beam
Front Park
RF Turnsignal
Dimmer Switch
TURN
SIGNAL
SWITCH
4 Head lamp System Only
High Beam
Low/High Beam
LF Turnsignal
LR Turn Signal
RR Turn Signal
Rear Park Lights
Park/Turn Signal
Side Marker Light
Front Lamp Diagram




Rear Wiring Diagram

# EZ2Wire E12 Instructions

1 - Remove battery
2 - Find a Good Metal Surface to mount the Fuse Panel
3 - Mount the Fuse Panel with sheet metal screws or other metal fasteners
4 - Make sure to run the screw through the small ring terminal in the upper left hole into a clean metal connection (If the ringlet is not properly grounded, the wiring harness will not function correctly)
5 - Remove only the straps or tape holong the main bundles together, leaving the individual bundles together for later use.
6 - Never Use a Fuse Larger than 25 amps in any circuit of this harness
7 - It is not recommended to change any of the fuses in the fuse panel to a larger size, doing so may damage the harness.

# EZ2Wire Checklist

1 - Don't let the size of the project to overwhelm you, really its EZ2Wire
2 - Refer to the factory wiring diagram if one exists
3 - Use the diagrams provided with after-market or specialty accessories
4 - If installing an Amp Meter to follow the directions in the dash diagram
5 - Before you start installing the harness remove the battery from the vehicle
6 - Start one section, then one circuit at a time.
7 - Install a main ground cable from the engine to the frame
8 - Have the main body ground cable the same size as the battery cable
9 - Remember to ground all accessories
10 - Do not route wires over sharp objects
11 - Do not route wires where they could possibly interfere with moving parts
12 - Do not attempt to lengthen wires by stretching them to make them reach
13 - Use cable ties to help loom and sort the harness
14 - Use a wire loom cover where harness is exposed, especially in the engine bay
15 - Route all wires before making final connections.
16 - Fasten the Harness down with clamps and ties to keep it secure
17 - Use grommets when passing wires through holes in sheet metal
18 - Use insulated terminals or heat shrink over the connections
19 - Use the correct terminals and connectors for the gauge of wire
20 - Do not overcrimp the terminals and connectors
21 - Be sure to install a fusible link, circuit breaker or fuse at the alternator
22 - When harness installation is complete place the battery in the vehicle but ***ONLY CONNECT THE POSITIVE (+)*** to the Battery
23 - ***DO NOT CONNECT THE NEGATIVE TERMINAL (-) TO THE BATTERY***
24 - Follow the directions & perform a circuit test before you make the final connection
25 - Remember these are generic directions, modify them as needed for your vehicle
26 - Be sure to keep notes and mark them on these directions when done
27 - Save these directions so you will have them in the future