2501 Ludelle Street
Fort Worth, Texas 76105
817-244-6212 Phone • 817-244-4024 Fax
888-350-6588 Sales • 800-423-9696 Tech
E-mail:painless@painlessperformance.com
Web: www.painlessperformance.com

50101
Race Car Fuse Block/12 Circuit
Installation Instructions

The 50101 is a replacement fuse block for individuals wanting to update their current fuse block to increase current capabilities and provide the fused circuits needed for racing applications. This is the ideal unit for the vehicle owner who races but wants to stay street legal.

Instructions

A. Find a suitable location (possibly where previous fuse block was located) and attach the fuse block Mounting bracket using the holes provided.

B. Attach the wire coming from the horn switch (in steering column or from external button) to the **Horn Sw** terminal (black wire, 18 gauge). This terminal, when grounded, activates the horn relay.

C. Attach the power wire from the windshield wiper switch or motor to the **Wiper B+** terminal (blue wire, 16 gauge).

D. Attach the wire going to the ignition resistor or coil to the **Coil/Dist** terminal (pink wire, 14 gauge).

E. Attach the wire providing power to the dome light or courtesy light to the **Dome B+** terminal (white wire, 18 gauge).

F. Attach the wire going to the electric fan or electric fan switch, relay or module to the **EL Fan B+** terminal (gray wire w/white stripe, 14 gauge).

G. Attach the wire going to the electric fuel pump or fuel pump switch to the **Fuel Pump** terminal (yellow wire w/white stripe, 14 gauge).

H. Attach the wire going to the alternator regulator (ignition terminal) to the **Alt Ign B+** terminal (white wire, 14 gauge). This wire turns on the charging system when the ignition switch is turned on.

I. Attach the wire coming from the ignition switch accessory terminal to the **Ign Sw B+** terminal (brown wire, 12 gauge). This wire powers up the accessory side of the fuse block.

J. Attach the power wire going to the turn signal switch in the steering column to the **Turn Sw B+** terminal (purple wire, 16 gauge). This circuit has a flasher in it.

K. Attach the wire going to the dash instruments, warning lights, radio, etc. to the **Gauges B+** terminal (red wire w/white stripe, 18 gauge). This terminal is for any and all gauges that need power except for the ammeter.

L. Attach the wire going to power up the headlight switch to the **Light B+** terminal (red wire w/black stripe, 12 gauge).

M. Attach the power wire going to the hazard switch in the steering column to the **Hazard B+** terminal (brown wire, 16 gauge). This circuit has a flasher in it.

N. Attach the wire going to the battery post on the back of the alternator to the **Alt Bat Post** terminal (red wire, 12 gauge).

O. Attach the wire going to power up the brake light switch to the **Stop B+** terminal (orange wire, 14 gauge).

P. Attach the wire that goes to the B+ or Bat Terminal on the ignition switch to the **Bat Feed** terminal (red wire, 12 gauge).

Q. Attach the wire going to the positive battery post or starter solenoid to the fuse block (large red wire, 10 gauge). This wire provides power for the entire system.

Note: Be sure to install the fusible link included between the end of the red wire and the battery or solenoid for overall circuit protection.

R. Attach the wire from the ignition switch ignition terminal to the **Ign Sw Coil** terminal (pink wire, 14 gauge).

S. Attach the wire going to the horn itself to the **Horn** terminal (green wire, 14 gauge).

T. Attach the wire to power the electric water pump (or switch) to the **Water Pump** terminal (orange wire w/black stripe, 14 gauge).

U. The **Ign Sw Accy** and **Ign Accy 1** terminals are provided for your needs of switched power to operate trans brake, line lock, N.O.S. or other fused ignition requirements.

Note: The wire normally coming from the ignition switch ignition terminal to the coil or ignition resistor has been cut in half to go through the fuse in the fuse block. This is done for two (2) reasons; it provides a fused ignition circuit for electrical fuel injection systems and a theft deterrent to thieves. By removing the "coil" fuse the ignition system will not work.

Note: The wire color-coding noted in each step is the color of wires at the fuse block. Color-coding of your vehicle wires may not be the same.

Note: B+ means battery power.

Note: (14 ga.) indicates the recommended wire size for that circuit.

Painless Performance Limited Warranty and Return Policy

Chassis harnesses and fuel injection harnesses are covered under a lifetime warranty. All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures.