



Wire Harness Installation Instructions

For Installing:

Part #50101 – Race Car Fuse Block/16 Circuit



**Perfect Performance Products, LLC
Painless Performance Products Division
2501 Ludelle Street**

Fort Worth, TX 76105-1036

800-423-9696 phone • 817-244-4024 fax

Web Site: www.painlessperformance.com

E-Mail: painless@painlessperformance.com

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For Technical Questions

E-mail: tech@painlessperformance.com

Tech Line: 800-423-9696

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50101 REPLACEMENT FUSE BLOCK

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.

CONTENTS OF THE 50101 REPLACEMENT FUSE BLOCK KIT

Take an inventory to see that you have everything you're supposed to have in this kit. If anything is missing, go to the dealer where you obtained the kit or contact Perfect Performance Products, Inc. at (817) 244-6212. The 50101 Replacement Fuse Block Kit should contain the following items:

- The 50101 16-Circuit Fuse Block, with fuses installed.
- 2 Flashers
- 1 MIDI fuse holder and 60amp MIDI fuse
- Assorted terminals
- Race Car Wire Harness Installation Instructions

INSTALLATION AND CONNECTIONS

Note: The wire color coding noted in each step is the color of the wires at the 50101 Fuse Block. The color coding of your vehicle's wiring may not be the same. "B+" means "Battery Power."

- A. Find a suitable location (possibly where the previous fuse block was located) and attach the Fuse Block Mounting Bracket using the holes provided.
- B. Connect the Windshield Wiper Switch hot wire to the WIPER B+ terminal (Blu).
- C. Connect the Cooling Fan Switch **hot** wire to the EL FAN B+ terminal (Gry/Wht).
Note: Your vehicle may not have a Cooling Fan Switch. It may instead have a Cooling Fan Thermostat (usually located on the lower end of the radiator) or be directly wired so that the cooling fan runs whenever the ignition is on.
- D. Connect the Alternator Ignition (Exciter) wire to the ALT IGN B+ terminal (Wht). This wire provides power to the alternator when the ignition is on.
- E. Connect the Alternator Battery Post wire to the ALT BAT POST terminal (Red).
- F. Connect the System **hot** wire to the POSITIVE Battery Post or Starter Solenoid **hot** terminal (Red).
Note: Be sure to install the MIDI fuse holder and 60amp fuse between the end of the Red wire and the Battery or Solenoid for overall protection.
- G. Connect the Brake Light Switch **hot** wire to the STOP B+ terminal (Orn).
- H. Connect the Ignition Ballast Resistor or Coil wire to the coil/dist terminal (Pnk).
Note: This is NOT a choice between two wires. Your vehicle either has an ignition ballast resistor, or it does not.
- I. Connect the Water Pump Switch (or, if un-switched, the Water Pump) **hot** wire to the WATER PUMP terminal (Orn/Blk).
- J. Connect the Horn **hot** wire to the TO HORN terminal (Grn).
- K. Connect the Headlight Switch **hot** wire to the LIGHT B+ terminal (Red/Blk).
- L. Connect the Ignition Switch RUN wire to the IGN SW coil terminal (Pnk).
Note: The wire normally routed from the ignition switch "RUN" terminal to the coil or the ignition ballast resistor has been cut in half to go through the fuse in the Fuse Block. This has been done for two reasons. First, it provides a fused ignition circuit for electronic fuel injection systems. Second, it

provides a theft deterrent when the coil fuse is removed, disabling the ignition circuit.

- M. Connect the Ignition Switch ACCESSORY wire to the IGN SW B+ terminal (Brn). This wire powers up the accessory side of the fuse block independent of the ignition switch.
- N. Connect the Ignition Switch **hot** wire to the BAT FEED terminal (Red).
- O. Connect the Dash Panel Instrument and Warning Light **hot** wire to the Gauges B+ terminal (Red/Wht). You may also connect your Radio **hot** wire to this terminal.
- P. Connect the Dome/Interior Light and/or Trunk Light + 12V Feed wire to the DOME B+ terminal (Wht).
- Q. Connect the Fuel Pump Switch (or, if un-switched, the Fuel Pump) **hot** wire to the FUEL PUMP terminal (Ylw/Wht).
- R. Connect the Hazard Flasher Switch **hot** wire (from the steering column) to the HAZARD B+ terminal (Brn). The Hazard Flasher is built into the circuit at the 50101 Fuse Block.
- S. Connect the Turn Signal Switch Flasher **hot** wire to the TURN SW B+ terminal (Pur). The Turn Signal Flasher is built into the circuit at the 50101 Fuse Block.
- T. Connect the Horn Switch wire (in steering column or from external button) to the HORN SW terminal (Blk). This wire, when grounded, activates the Horn Relay in the 50101 Fuse Block.
- U. The IGN SW ACCY and IGN ACCY 1 terminals are provided for **switched power** needs such as Trans Brake, Line Lock, N.O.S., or other fused ignition requirements.

FUSE REQUIREMENTS

Headlight/Dome.....	25
Emergency Flashers/Stop.....	15
Turn Signals/Wiper.....	15
Gauges/Radio.....	10
Horn/Accy. B+.....	20
Electric Cooling Fan.....	20
Electric Fuel Pump(s).....	20
Coil.....	30
Electric Water Pump.....	10
Ignition Accessory (Center).....	15
Ignition Accessory (Lower Right).....	20