30004

20 CIRCUIT WEATHER PROOF FUSE BLOCK
INSTALLATION INSTRUCTIONS

The 30004 is a replacement fuse block for individuals wanting to update their current fuse block or increase their current electrical capabilities. The main function of this fuse block is to provide fused power for up to 20 circuits while also remaining resistant to such elements and dirt and water.

CAUTION: ***If you are updating your current fuse block, disconnect your battery before going any further.***

Note: If you are updating your current fuse block, a factory wiring schematic may need to be attained in order to identify wires at the fuse block.

Fuse Block Attachment

Find a suitable location under the dash (possibly where the previous fuse block was located) for the fuse block mounting bracket. Using the self tapping screws found in the parts kit, attach the bracket using the 2 holes provided. *The following step may need to be skipped until all wire connections have been made.* Using the remaining screws found in the parts kit; mount the fuse block in the bracket, under the tabs. **See Figures 5, 6, and 7**

Power Source Connections

Looking at the wire side of the fuse block you will notice 2 lugs at the bottom of the fuse block. These lugs are to be connected to your power sources, 1 Battery power (B+), and 1 Ignition power (IGN. B+). L1 will power the entire "A" side of the fuse block, the Orange wires. L2 will power the entire "C" side of the fuse block, the red wires. You can either splice to the wires already installed on these lugs, or connect your power wire(s) to the fuse block by using the ring terminals supplied in the parts kit. IF you are not reconnecting a factory harness, a 10ga. (at the least) is recommended to be used for both power source connections.

Note: The use of a 50 Amp. Maxi Fuse at the battery or starter end of the B+ circuit is strongly recommended. PAINLESS PERFORMANCE offers a 50 Amp Maxi Fuse, holder and cover as part #80101.

All wires exiting the 1-10 and 11-20 locations on both sides of the fuse block are power OUT sources. Meaning, these wires provide power to the devices and switches. The splices supplied with this kit accommodate 14-16 ga. wire. In the situation where you have or only need an 18 ga. wire, simply strip twice the amount you need and fold the wire on itself before installing it into the splice. **See Figure 1**. Using the splices provided, connect each circuit to a corresponding power source. For example: Horn, Dome and Interior Lights, Headlight Switch, Cigarette Lighter, Brake Switch, Hazard Switch, Power Locks, and Radio (constant hot) will all need to go to the Battery B+ side of the fuse block. Things like: Windshield Wipers, Fuel Pump, Electric Choke, Turn Flasher, A/C and Heat, Reverse Switch, Radio, Power to Gauges, and Power Widows will all need to go to the IGN. B+ side of the fuse block. Once the wire is crimped, apply heat to the splice to shrink the tubing around the wire. Components that do not have much amperage draw may be doubled up on a single circuit, example: Clock and Radio constant power, reverse switch and electric choke. Also, for new installs **see Figures 3 & 4** for wire size and amperage info. A fuse label, **see Figure 2**, has been provided to help allow you to identify circuits and amperage requirements in the future. After all circuits and fuses have been written on the label, peel the back off the label and place it on the inside of the fuse block cover. This will ensure the label stays legible.

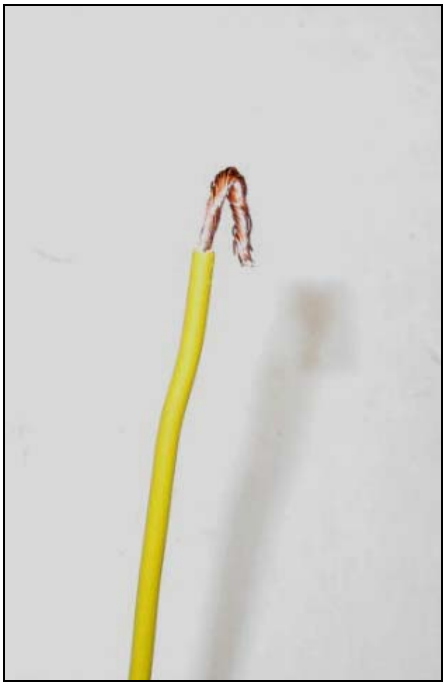

Figure 1- 18 gauge wire folded

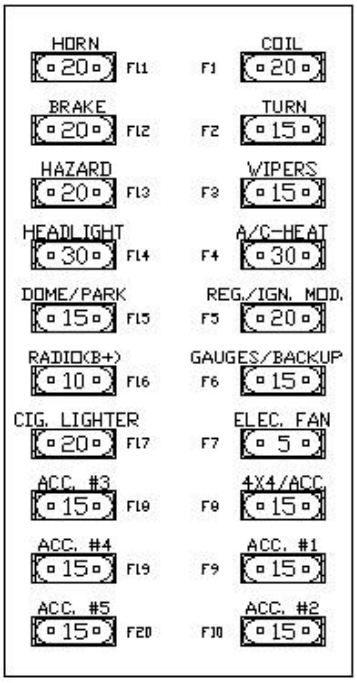

Figure 2- Fuse Label Example

Wire AWG (gauge)	Amperage
18	0-15
16	15-25
14	25-30

Figure 3- Gauge vs. Amperage

Fuses

This kit comes with a variety of fuses, but additional fuses may need to be purchased from your

local auto parts store. If you are updating your fuse block, use the same amperage rating on each circuit your pre-existing fuse block used. For new installs or addition of circuits see **Figure 4** for amperage ratings for common items and accessories.

Component	Amperage
Reverse Switch/ Lights	10
Cigar. Lighter	15
Radio	10
Power Window	20
Wipers	15
Dome/Interior Lights	10
Horns (2)	20
Marker Lights	5

	Component	Amperage
	Brake Switch/ Lights	20
	Gauges	10
	Heat/ AC	30
	Power Lock	10
	Fuel Pump	15
Flashers-	Hazard	15
	Turn	15
	Parking Lights	5
	Electric Choke	5

Figure 4- Amperage ratings

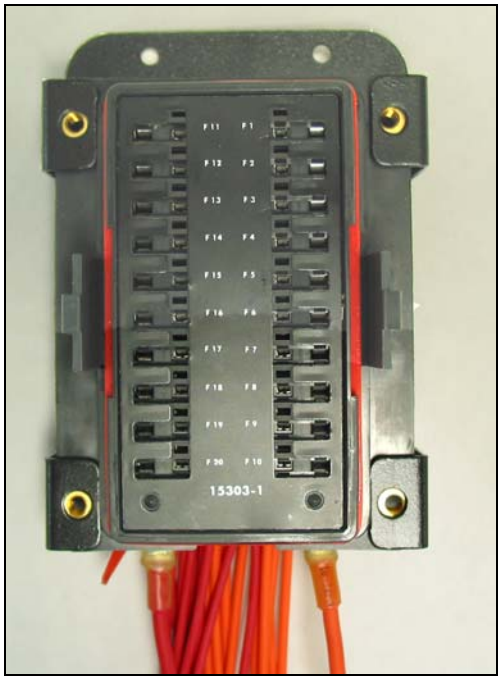

Figure 5- Fuse Block in Bracket

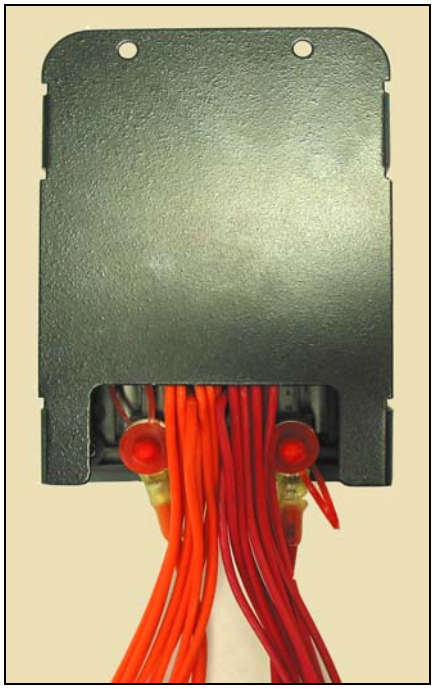

Figure 6- Fuse Block in Bracket (rear)

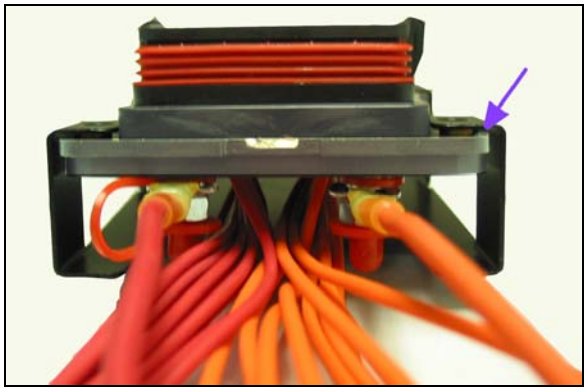

Figure 7- Fuse Block in Bracket (notice it is <u>under</u> the tabs on the bracket) * see arrow