

Smart Fuse Block

The **Smart Fuse Block** is the next generation of battery saving devices designed specifically for use in conversion vans. **Smart Fuse Block** provides the fusing for the converter added loads and time controlled outputs that turn off the lights, rear radio, and TV after you leave the van. This eliminates the major cause of a dead battery. Other battery saving devices let the battery go nearly *dead*, then turn the power off. Each time this happens, critical damage is done to the battery. **Smart Fuse Block** turns off the power before the battery goes dead. It works on the *cause* of a dead battery, *not the effect*.

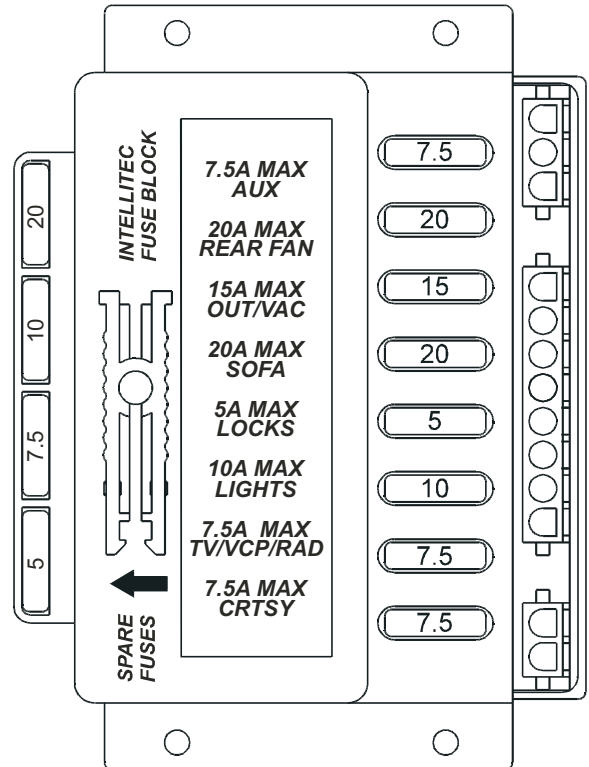
The **Smart Fuse Block** knows when you are in the van and it provides power to all the loads. Ten minutes after you leave the van, the **Smart Fuse Block** turns off the power to the lights, rear radio and TV, preventing them from draining the battery. When you open the door, **Smart Fuse Block** knows you are there, and automatically turns the power back on. This lets the occupants use the lights, rear radio, and TV without the keys being in the ignition. Mom can leave the kids in the van watching TV while she goes into the store, knowing that they won't be able to start the van because she has the keys.

That's not all. If the **Smart Fuse Block** senses that the battery is getting low, it doesn't wait ten minutes to turn off the load; it turns them off in less than two minutes.



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Part Number 00-00344-000

When **Smart Fuse Block** turns off the power, there's no "hidden" button to press. Next time you open the door, or turn on the key, it resets automatically.

Lastly, **Smart Fuse Block** provides another important customer feature, an interior light delay. This keeps the courtesy lights on for up to twelve seconds after the doors are closed. It gives the occupants light to get their seat belts buckled and the key in the ignition. What if the doors are left open? Don't worry. In ten minutes, **Smart Fuse Block** will automatically turn off the lights to keep the battery from going dead. When you return, power will be restored by closing and opening the door, or turning on the ignition.

P/N 53-00344-000 Rev. A 091201

Specialty Vehicle Electronics Group

Smart Fuse Block

How Does It Work?

The **Smart Fuse Block** provides eight fused outputs from the battery, the ignition, and two timer-controlled relays that switch power to selected loads. The first timer, controls the **Ignition Plus** output which feeds the light, rear radio, and the TV. This output is on all the time the ignition is on *and* for an additional ten minutes. The **Ignition Plus** timer is reset then a door is opened, and is held when the ignition is on. After the power goes off, opening and closing a door will add an additional ten minutes of power. This feature allows the occupants to use lights, rear radio, and the TV any time the ignition is on, and for ten minutes after the ignition is turned off. If they want to use them longer, they can reset the timer by turning on the ignition, opening a door, or turning on the dash-mounted dome light switch. Any of these actions will provide another ten minutes of power.

The second timer controls the Courtesy Lights output. When a door is opened and closed, the Courtesy Light timer is started. It will keep the courtesy lights on for twelve seconds, or until the ignition is turned on. If the doors are left open, they will be turned off in ten minutes by the Load timer. This will prevent the lights from discharging the battery if the doors are left open at a picnic, while cleaning out the van, or simply because the seat belt got in the way.

Specifications:

Part Number 00-00344-000

Fuses:

Fuse	Name	Size	Source
F1	Auxiliary	7.5 Amp	Ignition
F2	Rear Fan	20 Amp	Ignition
F3	Outlet/Vacuum	15 Amp	Battery
F4	Sofa	20 Amp	Battery
F5	Locks	5 Amp	Battery
F6	Lights	10 Amp	Ignition Plus
F7	TV/VCP/Radio	7.5 Amp	Ignition Plus
F8	Courtesy Lights	7.5 Amp	Interior Light Delay



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