

Model 12000 Instructions

1. Overhead units mount using two hose clamps to clamp switch section to roll bar. Dash units mount with Velcro system supplied.
2. Using 4 screws supplied mount the relay board.
3. Plug ribbon cables into switch panel. Follow color coding, color markings on wire should be directly over markings on switch and relay board. The blue connector on the switch panel is for an optional underhood keypad (model 4000F12). A clamp is supplied on the switch panel to retain the cable. Swing the support bar aside, insert cables and tighten using Allen wrench or pliers. Plug red and yellow marked cable from switch panel connector into relay board connector. Use a small bead of silicone at the junction of the connector plugs on the relay board to prevent any loosening due to vibration.
4. Switch #1 is intended for starter, switch #2 is ignition/master
5. Label switches (**first peel off protective plastic film from the overlay**). Label goes over the light in between the on and off buttons.
6. Relay board numbers match switch unit numbers. Connect the output leads on the relay board to the corresponding functions. Use white labels on relays to match switch labels.
7. Connect the large #6 cable to battery +.
8. If the relay board is not mounted to a grounded surface, plug a grounded wire onto the two ¼" push on terminals marked "gnd." on the relay board. Switch unit does not require any ground or battery connections.
9. The relay board has two jumpers to select 12V or 16V operation. It comes installed in the 12V position. For 16V operation move jumpers to 16V position.
10. The switch panel is designed to be lighted whenever the battery disconnect is on. If it is desired to shut the switch panel off independently then an 18 gauge switched 12V (or 16v) wire (such as from a factory key switch) can be run to the relay board 12v/16v jumper terminal blocks. Remove the jumper and set aside. Install this switched + wire to the terminal in the jumper terminal blocks marked 12V. For 16V cars install this switched wire in the terminals marked 16V. When this switched wire is turned off the entire panel will then shut off.

Set up and use

Switches 1-8

There are two programming dip switch banks at the #1 switch end of the unit. On the left bank, any switch you desire to be momentary put into the up/off position. On the right bank any switch you wish to turn off with the master switch (#2) put into the up/off position. All programming switch numbers match the numbers on the front panel switches. Move the programming switches up or down with a small tip such as a ballpoint pen. When finished stick black plastic cover patch over cutout.

Switches 9-12

There are two dip switch banks on the right hand side of the unit. If you choose, you can have a second master kill switch at switch 10 by pushing the dip switch marked "M" down. This is perfect for a Nitrous section of 4 switches. Switch two will also act as a master kill for switches 9-12. If you desire any of switches 9, 10, 11 or 12 to turn off with either switch 2 or 10 push the corresponding dip switch in the up position. The other dip switch bank is for momentary switch selection. Turn the dip switch up (off) for momentary operation, down for maintained operation.

Troubleshooting

1. It is possible to plug the ribbon cable into the relay board off center. If it is not plugged in correctly the switch panel will light dimly or not at all and will not function correctly.
2. The ribbon cable must plug into the switch panel with the cable entering from the rear of the switch panel.
3. Do not unplug the ribbon from the switch panel until it is disconnected from the relay board, or the power to the relay board is turned off. If the power is on and the cable is disconnected from the switch panel while still connected to the relay board, it could short to ground and damage the relay board.
4. If the relay board does not have a good ground the switch panel will function intermittently or not at all. It is best to run a dedicated ground wire to the two ¼" male push on terminals located on the relay board.
5. Do not use a battery charger as a power supply to "bench test" the unit. Battery chargers are not meant to be power supplies. They output a pulsing DC which will make the relays buzz and could damage the switch panel.



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Label Set included with all Forever Electrics
Not shown are the included duplicate white
labels for the relay board.

