

# FAN FAIL UNIT

Painted Blue

- 1) The Fan Fail socket is the blue relay socket. Do not install this unit into any other relay position. This unit signals the user if one or both fans are not working correctly. A double flashing will indicate a problem with both fans. A single flashing indicates one fan has a problem. A continues indication shows one fan is working marginally.
- 2) I suggest you install the unit without one or both fuses to test that your fan fail lamp is working. With the unit installed, start the car (unit need more than 11 volts to indicate a failure) and get the fans to turn on. If the air temp is not to cold you can just switch the AC on. Otherwise you can jumper the otterstat.
- 3) If you still have the OEM fans then you must use 20 amp fuses. Using a lower current fuse will overheat the fuse and may damage the fuse socket. I recommend 15 amp fuses for the new lower current fans.
- 4) The user can change the sensitivity of indicating a marginal fan. Remove both fuses, then turn the fans on by selecting AC on (you can also pull the wire from the compressor clutch so your AC won't cycle). You then have to stick one fuse back into the unit after 5 double flashes but before 6 double flashes of the fan fail light after you put the fans on.

The light will then slow flash a number.

- 1) Indicates more than 20% fan current difference to fail. This is default setting.
- 2) Indicates more then 30% fan current difference to fail.
- 3) Indicates marginal check is turned off.

Turning the fans off will keep the same code.

Sticking both fuses back in when it's flashing the code will change it to the next condition and will indicate the change by flashing very fast. You can then remove one fuse to see the new code flashed. You may keep repeating this programming until you have the code you want. Then turn the fans off.

Counting down, 3, 2, 1.

Note:

Do not use a screw driver to remove these units from the relay socket. That will damage the unit and void all warranty.

Optionally, you can remove the 40 amp circuit breaker wires between the fan relay socket and fan fail socket an install a jumper in those pin locations. Since you now have each fan fused, the circuit breaker is redundant. These wires should be the large brown/orange and large brown/slate wires. But I think some colors were changed on some cars.