

# Instructions (61185)

## THIS UNIT FITS ONLY:

300SE	88 - 91	300SEL	88 - 91	350SD TURBO	1991
420SEL	88 - 91	560SEC	88 - 91	560SEL	88 - 91

**It is strongly recommended the Auxiliary Pump is changed prior to installing Push Button Control Unit.**

Perform steps 1 - 2 prior to installation.

1. Turn ignition off and disconnect (L) Left and (R) Right connectors from Climate Control Unit.
2. Auxiliary water pump test. Remove connectors:  
**Set meter to Ohms:** (+) L pin 13 - (-) L pin 10 = greater than 6 ohms  
**Set meter to Amps:** (+) L pin 10 - (-) R pin 12  
Turn key to the run position. Current draw = less than 1.5 amps.

**IF NOT, REPLACE AUXILIARY WATER PUMP OR WARRANTY IS VOID.**

ProgRama needs your experience and inputs to make a better product. Phone or email tech support today 8:30 am to 5:00 pm EST, with your idea, question or problem.

**1 800 668-8843**



## **THREE YEAR WARRANTY**

- 1- Call your Wholesale Distributor for a replacement part.
- 2- If you have difficulties to obtain a replacement, call ProgRama, Inc. We offer up to 48 hrs. turn-around time for bench testing service.
- 3- Visit our web site [www.programainc.com](http://www.programainc.com) and become familiar with our products and services.

**Warning ! Return Core In ProgRama Box for Proper Core-Deposit Refund**

# GENERAL TROUBLESHOOTING NOTES

## ORIGINAL UNIT PROBLEMS

### Symptoms Test/Suspect Problems Solution

No control, flaps, heat, A.C.	Check fuse.	Replace fuse.
Air outlet temperature too low when heat is at max.	Auxiliary water pump test. Remove connectors. <b>Set meter to ohms.</b> (+) L pin 13 → (-) L pin 10 = greater than 6 ohms. <b>Set meter to Amps:</b> (+) L pin 10 → (-) R pin 12. Turn key to the run position. Current draw = less than 1.5 amps.	Replace Auxiliary Water pump.
Higher or colder temperature desired.	Mono valve defective. (+) L pin 13 → (-) L pin 9 = 11 to 19 ohms.	Replace Mono valve.
Auxiliary fan on all the time.	Outside Temperature sensor. (+) R pin 9 → (-) R pin 10 = 2.4k ohms @ 77° Fahrenheit	Replace sensor.
	Engine Coolant Temperature sensor. (-) R pin 10 → (+) R pin 8 = .9 - 1.8k ohms @ 140° Fahrenheit.	Replace sensor.
	Temperature switch open below 105° C.	Replace Switch.

## NEW UNIT PROBLEMS

### Symptom Test/Suspect Problem Solution

Low or no A.C. output.	Evaporator Temperature sensor (-) R pin 10 → (+) R pin 4 = 9.5k ohms @ 77° Fahrenheit.	Replace sensor.
	In Car Temperature sensor. (-) R pin 10 → (+) R pin 2 = 9.5k ohms @ 77° Fahrenheit.	Replace sensor.
	Outside Temperature sensor. (-) R pin 10 → (+) R pin 9 = 2.4k ohms @ 77° Fahrenheit.	Replace sensor.
	Engine Coolant Temperature sensor. (-) R pin 10 → (+) R pin 8 = .9 - 1.8k ohms @ 140° Fahrenheit.	Replace sensor.
	A.C. Cutout Control Unit defective.	Replace A.C. Cutout Control Unit.
	A.C. Compressor low pressure switch/low refrigerant pressure.	Repair as needed.
Temperature Control inaccurate.	Heater Core temperature sensor. (-) R pin 10 → (+) R pin 7 = 9.5k ohms @ 77° Fahrenheit.	Replace sensor.
	Faulty sensors, test as listed above.	Replace sensor(s).
	A.C. Cutout Control unit defective.	Replace as needed.
Blower cannot be switched off.	Blower Regulator defective.	Replace as needed.
Blower fluctuates up and down, or runs at half speed.	Blower Regulator defective.	Replace as needed.
	Interior Temperature sensor ventilation not working.	Replace Aspirator Blower.



Thank you for buying a quality part from ProgRama, Inc of Boca Raton, Florida !