

# Instructions (42485)

## THIS UNIT FITS ONLY:

300CE Coupe 88 - 89	300CE-24 Coupe 90 - 92	320CE Convert 1993	300E 88 - 93
300E2.6 89 - 93	300E 2.8 1993	300D 2.5 Turbo 90-93	300E 3.2 1993
320CE Coupe 1993	300E 4Matic 90 - 93	300TE Wagon 88-92	300TE Wgn 3.2V 1993
300TE 4Matic 90 - 93	E320 94 - 95	E320 D 1995	E320 Wagon 94 - 95
E320CE Coupe 94 - 95	E420 94 - 95	E500E 92-93	400E 4.2 92 - 93
E500 1994	E320 Conv 94 - 95	E300 3.2 Coup 94-95	

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

**Perform steps 1 - 3 prior to installation.**

- Turn ignition off and disconnect (L) Left and (R) Right connectors from Climate Control Unit.
- 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.**

## GENERAL TROUBLESHOOTING NOTES

### ORIGINAL UNIT PROBLEM

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.	<b>Replace Auxiliary Water pump.</b>

**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.

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