

CLUB202.COM > CLUB202 > Repairs > A/C Problem

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Author **Thread**

BoominBenz
Moderator



Registered: Jan 2004
Location: Olympia/Pullman, WA
Posts: 800
Status: Offline

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A/C Problem

The hits don't stop coming...

For some reason my A/C isn't working right now.

I just replaced the wiring harness, and after that, the car ran fine.

Couple days later, I notice the auxiliary fans are running far more often than normal. I have been driving around with the A/C on lately. Coming to a stop, I noticed the A/C was not blowing cold. I checked to see if there was a drop in RPM at idle when the compressor kicks in, and there is not.

I do notice that the compressor turns on for about 1 second as soon as I start the car with the A/C on, but then it shuts off and doesn't run.

Could this be one of the refridgerant sensors? I hope to everything hholly that my Compressor is not going out.

Any experiences and ideas?

Last updated 02.08.06 - Howto: Remove Electronic Throttle Actuator

08-14-2005 05:11 PM

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nokia8860
CLUB202



Registered: Dec 2002
Location: CLUB202
Posts: 2913
Status: Offline

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08-14-2005 06:27 PM

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quote:

Does your ac work for a bit then turn off and if you shut your car down and power up the ac will work again but for a short time then shut down

0118 999 881 999 119 7253

BoominBenz
Moderator



Registered: Jan 2004
Location: Olympia/Pullman, WA
Posts: 800
Status: Offline

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08-14-2005 06:29 PM

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quote:

Originally posted by nokia8860

Does your ac work for a bit then turn off and if you shut your car down and power up the ac will work again but for a short time

exactly!

Only for a couple seconds though. not even enough o pump any cold **air**.

Last updated 02.08.06 - Howto: Remove Electronic Throttle Actuator

nokia8860
CLUB202



Registered: Dec 2002
Location: CLUB202
Posts: 2913
Status: Offline

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Check your evaporator temp sensor.

0118 999 881 999 119 7253

08-14-2005 07:07 PM

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jnenad16
Senior Member



Registered: **Nov 2004**
Location: **Honolulu, Hawaii**
Posts: **1748**
Status: **Offline**

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08-14-2005 11:09 PM

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BoominBenz
Moderator



Registered: **Jan 2004**
Location: **Olympia/Pullman, WA**
Posts: **800**
Status: **Offline**

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08-15-2005 05:09 AM

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jnenad16
Senior Member



Registered: **Nov 2004**
Location: **Honolulu, Hawaii**
Posts: **1748**
Status: **Offline**

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BoominBenz
Moderator



Registered: **Jan 2004**
Location: **Olympia/Pullman, WA**
Posts: **800**
Status: **Offline**

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as nokia said, evap icing sensor, but it could also be compressor speed sensor(back of compressor), or the pressure sensor, they all have the fun off, and then there could be the control module itself(hopefully it isnt).

nenad

I am the ScheiBemeister!



Is there any way to check these sensors by measuring the resistance? Or is it a shot in the dark as to which one isn't working?

[Last updated 02.08.06 - Howto: Remove Electronic Throttle Actuator](#)



well, you can probably run the ac system diagnostic through the pushbutton module, and it might give you the code.

nenad

I am the ScheiBemeister!



quote:

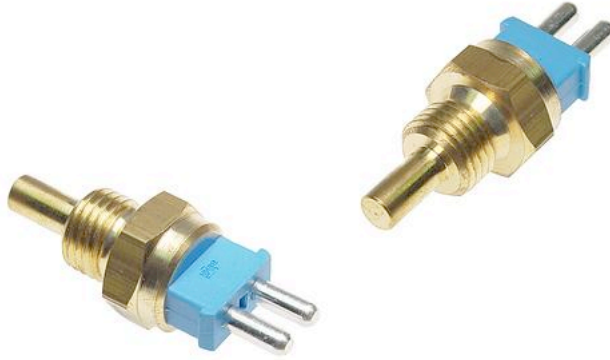
Originally posted by jnenad16

well, you can probably run the ac system diagnostic through the pushbutton module, and it might give you the code.

nenad

I don't think I can because I have the older style climate control with the small screen and big buttons.

By the way, is this the A/C temp sensor that was being spoken of?



© Worldpac 2004

Or was it the evaporator temp sensor that looks like this:



© Worldpac 2004

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Last edited by BoominBenz on 08-16-2005 at 05:18 PM

08-16-2005 05:18 PM

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jnenad16
Senior Member



the first one is the ac kill switch, when the coolant gets too hot, if the compressor is on, it will get shut off(I guess I forgot about that one), and protection sensor, which shuts off the compressor when the evap gets too cold.
even the older ac control modules can perform the self diagnosis, I'll try to find the procedure and post it.

nenad

Registered: Nov 2004
Location: Honolulu, Hawaii
Posts: 1748
Status: Offline

I am the Scheißemeister!

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08-16-2005 08:16 PM

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jnenad16





Registered: Nov 2004
Location: Honolulu, Hawaii
Posts: 1748
Status: Offline

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1. Ignition: **ON**
2. Press **▼** until "**LO**" appears in display window.
3. Within 20 seconds press **REST** and **📶** simultaneously for more than 2 seconds.
4. The LED in **🚗** blinks at 1 Hz and the display shows "**dir**".
5. Press **AUTO** repeatedly until all DTC's are displayed. Record each DTC as it is displayed.
6. Each malfunction (short circuit, open circuit, etc.) has a specific DTC code. The continuous faults are displayed first. When continuous faults are stored, the display shows "**End**".
Press **AUTO** again and the intermittent faults will be displayed. Intermittent DTC's are recognizable by the o - symbol. When intermittent faults are stored, the display shows "**Endo**".
7. Press **AUTO** again and the display shows "**dEL**" (delete).

To erase: Press **▼** and **▲** simultaneously for more than 5 seconds and the display shows "--".
To cancel erase: By pressing **AUTO** the continuous faults will appear again.
8. Bring temperature preselection to base setting (press **∨** and **∧** simultaneously to restore to 72 °F).
9. Ignition: **OFF** , end of test program.

Diagnostic trouble code (DTC)	Possible cause	Test step/Remedy
N22		
01 -	No malfunction in system	-
02 002	A/C pushbutton control module (N22)	N22
03 003	In-car temperature sensor with aspirator blower (B10/4), short circuit 2)	📶23 ⇒4.0
04 004	In-car temperature sensor with aspirator blower (B10/4), short circuit 3)	📶23 ⇒4.0
05 005	In-car temperature sensor with aspirator blower (B10/4), short or open circuit 2)	📶23 ⇒4.0
06 006	In-car temperature sensor with aspirator blower (B10/4), short or open circuit 3)	📶23 ⇒4.0
07 007	Outside temperature sensor (B10/5), short circuit 2)	📶23 ⇒5.0
08 008	Outside temperature sensor (B10/5), short circuit 3)	📶23 ⇒5.0
09 009	Outside temperature sensor (B10/5), short or open circuit 2)	📶23 ⇒5.0
10 010	Outside temperature sensor (B10/5), short or open circuit 3)	📶23 ⇒5.0

11	011	Heater core temperature sensor (B10/1), short circuit 2)	□23 ⇒7.0
12	012	Heater core temperature sensor (B10/1), short circuit 3)	□23 ⇒7.0
13	013	Heater core temperature sensor (B10/1), short or open circuit 2)	□23 ⇒7.0
14	014	Heater core temperature sensor (B10/1), short or open circuit 3)	□23 ⇒7.0
19	019	Evaporator temperature sensor (B10/6), short circuit 2)	□23 ⇒6.0
20	020	Evaporator temperature sensor (B10/6), short circuit 3)	□23 ⇒6.0
21	021	Evaporator temperature sensor (B10/6), short or open circuit 2)	□23 ⇒6.0
22	022	Evaporator temperature sensor (B10/6), short or open circuit 3)	□23 ⇒6.0
23	023	Engine coolant temperature sensor (B10/8), short circuit 2)	□23 ⇒8.0
24	024	Engine coolant temperature sensor (B10/8), short circuit 3)	□23 ⇒8.0
25	025	Engine coolant temperature sensor (B10/8), short or open circuit 2)	□23 ⇒8.0
26	026	Engine coolant temperature sensor (B10/8), short or open circuit 3)	□23 ⇒8.0
27	027	Refrigerant pressure sensor (B12), short circuit 2)	□23 ⇒9.0
28	028	Refrigerant pressure sensor (B12), short circuit 3)	□23 ⇒9.0
29	029	Refrigerant pressure sensor (B12), short or open circuit 2)	□23 ⇒9.0
30	030	Refrigerant pressure sensor (B12), short or open circuit 3)	□23 ⇒9.0
31	031	A/C compressor rpm sensor (A9I1)	□23 ⇒17.0
32	032	Poly-V-belt slip recognition	□23 ⇒17.0
47	047	Auxiliary coolant pump (M13), short circuit 2)	□23 ⇒14.0
48	048	Auxiliary coolant pump (M13), short circuit 3)	□23 ⇒14.0
49	049	Auxiliary coolant pump (M13), short or open circuit 2)	□23 ⇒14.0
50	050	Auxiliary coolant pump (M13), short or open circuit 3)	□23 ⇒14.0
51	051	Duovalve (Y21), short circuit 2)	□23 ⇒15.0
52	052	Duovalve (Y21), short circuit 3)	□23 ⇒15.0
53	053	Duovalve (Y21), short or open circuit 2)	□23 ⇒15.0
54	054	Duovalve (Y21), short or open circuit 3)	□23 ⇒15.0

59	059	A/C compressor electromagnetic clutch (A9k1) 2)	□23 ⇒17.0
60	060	A/C compressor electromagnetic clutch (A9k1) 3)	□23 ⇒17.0
61	061	A/C compressor electromagnetic clutch (A9k1), short or open circuit 2)	□23 ⇒17.0
62	062	A/C compressor electromagnetic clutch (A9k1), short or open circuit 3)	□23 ⇒17.0
63	063	Activation of auxiliary fan stage 1, short circuit 2)	□23 ⇒11.0
64	064	Activation of auxiliary fan stage 1, short circuit 3)	□23 ⇒11.0
65	065	Activation of auxiliary fan stage 1, short or open circuit 2)	□23 ⇒11.0
66	066	Activation of auxiliary fan stage 1, short or open circuit 3)	□23 ⇒11.0
67	067	Activation of auxiliary fan stage 2, short circuit 2)	□23 ⇒12.0
68	068	Activation of auxiliary fan stage 2, short circuit 3)	□23 ⇒12.0
69	069	Activation of auxiliary fan stage 2, short or open circuit 2)	□23 ⇒12.0
70	070	Activation of auxiliary fan stage 2, short or open circuit 3)	□23 ⇒12.0
71	071	Closed throttle speed increase, short or open circuit 2)	□23 ⇒13.0
72	072	Closed throttle speed increase, short or open circuit 3)	□23 ⇒13.0
73	073	Closed throttle speed increase, short circuit 2)	□23 ⇒13.0
74	074	Closed throttle speed increase, short circuit 3)	□23 ⇒13.0
75	075	Switchover valve block (8 connections, Y11/3), diverter flap 2)	□23 ⇒19.0
76	076	Switchover valve block (Y11/3), diverter flap 3)	□23 ⇒19.0
77	077	Switchover valve block (Y11/3), diverter flap, short or open circuit 2)	□23 ⇒19.0
78	078	Switchover valve block (Y11/3), diverter flap, short or open circuit 3)	□23 ⇒19.0
79	079	Switchover valve block (Y11/3), tempering flap 2)	□23 ⇒20.0
80	080	Switchover valve block (Y11/3), tempering flap 3)	□23 ⇒20.0
81	081	Switchover valve block (Y11/3), tempering flap, short or open circuit 2)	□23 ⇒20.0
82	082	Switchover valve block (Y11/3), tempering flap, short or open circuit 3)	□23 ⇒20.0
83	083	Switchover valve block (Y11/3), fresh/recirculating air flap, long stroke (R00%) 2)	□23 ⇒21.0

84	084	Switchover valve block (Y11/3), fresh/recirculating air flap, long stroke (80%) 3)	□23 ⇒21.0
85	085	Switchover valve block Y11/3), fresh/recirculating air flap, long stroke (80%) short or open circuit 2)	□23 ⇒21.0
86	086	Switchover valve block Y11/3), fresh/recirculating air flap, long stroke (80%) short or open circuit 3)	□23 ⇒21.0
87	087	Switchover valve block (Y11/3), fresh/recirculating air flap, short stroke (20%) 2)	□23 ⇒22.0
88	088	Switchover valve block (Y11/3), fresh/recirculating air flap, short stroke (20%) 3)	□23 ⇒22.0
89	089	Switchover valve block (Y11/3), fresh/recirculating air flap, short stroke (20%) short or open circuit 2)	□23 ⇒22.0
90	090	Switchover valve block (Y11/3), fresh/recirculating air flap, short stroke (20%) short or open circuit 3)	□23 ⇒22.0
91	091	Switchover valve block (Y11/3), defroster flap, long stroke (80%) 2)	□23 ⇒25.0
92	092	Switchover valve block (Y11/3), defroster flap, long stroke (80%) 3)	□23 ⇒25.0
93	093	Switchover valve block (Y11/3), defroster flap, long stroke (80%) short or open circuit 2)	□23 ⇒25.0
94	094	Switchover valve block (Y11/3), defroster flap, long stroke (80%) short or open circuit 3)	□23 ⇒25.0
95	095	Switchover valve block (Y11/3), defroster flap, short stroke (20%) 2)	□23 ⇒26.0
96	096	Switchover valve block (Y11/3), defroster flap, short stroke (20%) 3)	□23 ⇒26.0
97	097	Switchover valve block (Y11/3), defroster flap, short stroke (20%) short or open circuit 2)	□23 ⇒26.0
98	098	Switchover valve block (Y11/3), defroster flap, short stroke (20%) short or open circuit 3)	□23 ⇒26.0
99	099	Switchover valve block (Y11/3), footwell flap, long stroke (80%) 2)	□23 ⇒23.0
100	100	Switchover valve block (Y11/3), footwell flap, long stroke (80%) 3)	□23 ⇒23.0
101	101	Switchover valve block (Y11/3), footwell flap, long stroke (80%) short or open circuit 2)	□23 ⇒23.0
102	102	Switchover valve block (Y11/3), footwell flap, long stroke (80%) short or open circuit 3)	□23 ⇒23.0
103	103	Switchover valve block (Y11/3), footwell flap, short stroke	□23 ⇒24.0

		(20%) 2)	
104	104	Switchover valve block (Y11/3), footwell flap, short stroke (20%) 3)	□23 ⇒24.0
105	105	Switchover valve block (Y11/3), footwell flap, short stroke (20%) short or open circuit 2)	□23 ⇒24.0
106	106	Switchover valve block (Y11/3), footwell flap, short stroke (20%) short or open circuit 3)	□23 ⇒24.0

- 1) Observe Preparation for Test.
- 2) Continuous faults.
- 3) Intermittent faults.

nenad

I am the Scheißbemeister!

Last edited by jnenad16 on 08-16-2005 at 08:37 PM

08-16-2005 08:33 PM

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benzdude280
Member



That's an awesome write up. Thanks.

Registered: **Sep 2003**
Location: **NoVa**
Posts: **84**
Status: **Offline**

Benzi

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08-16-2005 08:46 PM

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BoominBenz
Moderator



Well, I did that and I got a code 49 as a current code, and a Code 60 as stored.

So that means my Aux coolant pump is dead and my compressor clutch isn't working?

Damn. I'm going to try running the Aux water pump manually with jumper wires, and also try jumping the compressor to see if it runs correctly.

Registered: **Jan 2004**
Location: **Olympia/Pullman, WA**
Posts: **800**
Status: **Offline**

Any other ideas on the situation would be helpful!

Martin

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08-17-2005 11:39 AM

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Sulaco
Senior Member



Holy shizzle. Thanks for the instructions nenad! You are a life saver.

Registered: **Mar 2005**
Location: **Murfreesboro/Nashville, TN, US**
Posts: **363**
Status: **Offline**

But look at my list of **codes**...

Constant codes:

- 24
- 26
- 28
- 62
- 60
- 80
- 82
- 92

Intermittent codes:

- 102

What the hell? My A/C works except for the center vents shutting off and diverting their **air** to the defroster from time to time.

94 C280, 210k miles, bone stock. The older she gets, the more I love her. May 3rd of 2009 will be our 10 year anniversary.

08-17-2005 04:46 PM

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Sulaco
Senior Member



Okay, so I'm going to assume 3 of those **codes** that refer the the "switchover valve block" are talking about that black box on the passenger side vacuum lines. I know it has a crack in it.

Registered: **Mar 2005**
Location: **Murfreesboro/Nashville, TN, US**
Posts: **363**
Status: **Offline**

2 of the **codes** are talking about the electromagnetic clutch on my compressor. (But my compressor works fine, I think).

But 3 of the **codes** refer to the engine coolant temp sensor. Where is that? Can I replace it?

94 C280, 210k miles, bone stock. The older she gets, the more I love her. May 3rd of 2009 will be our 10 year anniversary.

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10-06-2005 09:57 AM

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BoominBenz
Moderator



quote:

Originally posted by Sulaco

Okay, so I'm going to assume 3 of those codes that refer the the "switchover valve block" are talking about that black box on the



OVP that handle all those vacuum lines. I know it has a crack in it.

2 of the **codes** are talking about the electromagnetic clutch on my compressor. (But my compressor works fine, I think).

But 3 of the **codes** refer to the engine coolant temp sensor. Where is that? Can I replace it?

Registered: Jan 2004
Location: Olympia/Pullman, WA
Posts: 800
Status: Offline

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Those **codes** have probably been stored there forever. Erase the **codes**, drive around for a bit, then run the diagnostic again and see if they still p
Martin

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10-06-2005 10:44 AM

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