

Symptom in Vehicle Interior - Heating/Ventilation Fan Does Not Function: Reworking Fan Motor (SY 72/17)

Change Overview:

Revision	Date	Change
0	07/20/2017	<ul style="list-style-type: none"> ▪ First Publication
1	01/08/2021	<ul style="list-style-type: none"> ▪ Update to MY ▪ Update to Work Procedure
2	03/16/2026	<ul style="list-style-type: none"> ▪ Update to MY ▪ Update to Work Procedure ▪ Update to Tools

Model Year: **As of 2012**

Model Line: **911 (991)**

Boxster (981/982)

Cayman (981/982)

Subject: **Fan motor for ventilation**

Symptom: The fresh-air fan for the heating/ventilation does not function.

Cause: If the air humidity is high, the fan motor may no longer start up automatically because of deposits if the vehicle has been parked for several days.
A higher starting torque of the fan is required in these cases.

Remedial Action: Break the fan wheel loose manually and then leave the fan motor running at maximum speed for several minutes.

Tools:

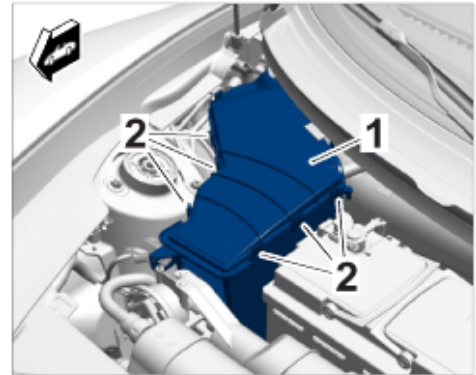
- **P90999 - PIWIS Tester 4**
- **Battery charger** with a current rating of **at least 90 A**. We recommend **VAS 5908 battery charger 90A**, for example

Work Procedure: 1 **Preliminary work:**

- 1.1 Connect a battery charger with a current rating of **at least 90 A**.
- 1.2 For vehicles with "**Porsche Entry & Drive**", do this by replacing the control panel in the ignition key with the **original driver's key** if necessary.
- 1.3 Connect **P90999 - PIWIS Tester 4**, switch on the ignition and start the diagnostic application.

2 Move fan wheel for fresh-air fan manually:

- 2.1 Lift up cover on air intake pre-filter (⇒ *Loosening cover on air intake pre-filter -item 1-*) until you can reach the fan wheel with your hand, see also ⇒ *Workshop Manual '850819 Removing and installing air intake pre-filter'*.
- 2.2 Move fan wheel for fan motor manually. If the fan wheel is stuck, break it loose with your hand.
- 2.3 Re-install cover on air intake pre-filter, see also ⇒ *Workshop Manual '850819 Removing and installing air intake pre-filter'*.



Loosening cover on air intake pre-filter

3 Activate "Fresh-air fan" drive link manually:

Menu	⇒	Control unit/Function	⇒	Action	⇒	confirm/execute	
▪		Instructions/information or		▪	⇒	Result/consequence of action	
3.1		Control units 'Overview'		Air conditioning		select	F12
3.2		⇒ Follow instructions:					Yes / No / F12
		▪		Create Vehicle Analysis Log (VAL) if necessary and			
		▪		carry out any campaigns that are available for the vehicle.			
3.3		'Drive links checks'		Heating/ventilation		select	F12
3.4		'Drive links checks'		Activation: fresh-air fan		select	F12
3.5		⇒ In the 'Activation time' row:				Enter the value 200 s	
3.6		⇒ In the 'Activation value' row:				The value 100 %	must not be changed
3.7		Start 'Fresh-air fan' activation: Execute					F8

4 Subsequent work:

- 4.1 Read out and erase all fault memories.
- 4.2 Exit the diagnostic application, switch off the ignition and disconnect **P90999 - Porsche Tester 4** from the vehicle.

- 4.3 On vehicles with Porsche "Entry & Drive", replace the original driver's key in the ignition lock with the control panel again.
- 4.4 Switch off and disconnect the battery charger.

Invoicing: The work involved is invoiced under the labor operation:

APOS	Labor operation	I No.
85304900	Reworking fan motor	

For invoicing and documentation using PQIS, enter the following coding:

Location (FES5)	85300	Fan motor
Damage type (SA4)	1712	Catches/gets stuck

References: ⇒ *Workshop Manual '850819 Removing and installing air intake pre-filter'*

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