

2011 Porsche Cayenne S – 2-Zone HVAC with Premium Package Plus Driver’s Side Floor Vent Testing Results

Mono	Auto	Driver’s Temp. Setting	Driver’s Fan Speed Selection	Driver’s Airflow Location Selection	Passenger’s Temp. Setting	Passenger’s Fan Speed Selection	Passenger’s Airflow Location Selection	Expected Driver’s Floor Vent Air Flow Volume	Actual Driver’s Floor Vent Air Flow Volume	Comments
On	On	Heat	N/A	N/A	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	Adequate	Adequate	
On	Off	Heat	High	Dash and floor	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	High	Good, but not as strong as expected	
Off	Off	Heat	High	Dash and floor	Heat	Low	Dash and Floor	Adequate	Barely adequate	
On	Off	Low – A/C	High	Dash and floor	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	Adequate	Barely adequate	
Off	Off	Low – A/C	High	Dash and floor	Low – A/C	High	Dash and Floor	Adequate/High	VERY POOR / VERY FAINT	
Off	Off	Low – A/C	High	Dash and floor	Low	Low	Dash and Floor	Adequate/High	A little more than faint	
Off	Off	Low – A/C	High	Dash and floor	Maintain current temperature	Low	Dash and Floor	Adequate/High	A little more than faint	
Off	Off	Low – A/C	High	Floor only	Maintain current temperature	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	Very strong	Good, but not as strong as expected	
On	Off	Low – A/C	High	Floor only	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	<i>(Same as driver’s)</i>	Very strong	Very strong	

Major HVAC Driver’s Side Floor Vent Problem Findings:

- When the HVAC’s MONO setting is ON, MORE airflow is incorrectly sent to the driver’s side floor vents vs. any other explicit setting that should otherwise maximize airflow to the driver’s side floor vents.
- When the HVAC’s MONO setting is OFF, LESS airflow is incorrectly sent to the driver’s side floor vents when any of the following conditions exist:
 - The passenger side’s fan speed is set to low and the driver’s side fan speed is set to high (**VERY WRONG**)
 - The driver’s side fan speed is set to high
 - The driver’s side fan speed is set to high and the driver’s side airflow controls are explicitly set to dash and floor

3. When the HVAC’s MONO and AUTO settings are OFF, the HVAC’s heated or cooled air should be directed to the driver’s and passenger’s explicit airflow location selections regardless if the HVAC is providing heated or cooled air!