

F10 General Vehicle Electronics

14. Climate Control Systems

For the F10, 2 versions of the integrated automatic heating / air conditioning system IHKA are available.

- 2-zone IHKA Climate Control (option 534)
- 4-zone IHKA Climate Control (option 4NB)

The following table provides an overview of this of the 2 IHKA systems available:

	2-zone IHKA	4-zone IHKA
Temperature	Left/right	Front: left/right Rear: left/right
Air volume	Left/right	Front: left/right Rear: shared
Air distribution	Left/right	Front: left/right Rear: shared

14.1. Equipment

	IHKA 2 zones	IHKA 4 zones
Separate control of temperature, front left/right	X	X
Separate control of amount of air and air distribution, front left/right	X	X
Separate control of temperature, rear passenger compartment left/right	---	X
Independent ventilation	X	X
Residual heat utilization	X	X
Anti-misting	X	X
Fresh air and recirculating air filter (microfilter)	X	X
Ionizer to prevent condenser odors	X	X
Individual automatic control with 5 intensity levels	X	X
Solar compensation	X	X
Automatic air recirculation control (including combination filter ²)	X	X

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	IHKA 2 zones	IHKA 4 zones
ALL function (driver's settings are transferred to front passenger side)	X	---
ALL function (driver's settings are transferred to front passenger side and left/rear passenger compartment)	---	X
Separate IHKA controls in rear passenger compartment (center console)	---	X
Comfort nozzle (fresh-air grille on center dashboard) with individual range of adjustment from spot (focused) to diffuse (draught-free)	---	X

¹ A solar sensor takes into account any external light and/or heat sources that affect the climate in the passenger compartment.

² A combination of microfilter and carbon filter traps dust and pollen and protects the system against unpleasant odors.

14.2. 2-zone IHKA

2-zone IHKA is standard equipment for all F10 models.



F10 Control panel of the 2-zone IHKA

With the 2-zone IHKA you can adjust the amount of air and air distribution separately for the left and right side.

The driver's current settings for temperature, amount of air and air distribution can be transferred to the front passenger side using the ALL button.

The system is also equipped with the automatic air recirculation control AUC. This feature blocks the fresh air duct if there are odors or pollutants coming into the vehicle. In this situation, the interior air is then recirculated.

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The function, operation and structure of the 2-zone IHKA are the same as the IHKA basic version in the F01/F02. For more information on this IHKA, refer to the F01/F02 "Heating and air conditioning systems" training material available on TIS and ICP.

14.3. 4-zone IHKA

The 4-zone IHKA is available as optional equipment (option 4NB) on all F10 models.



F10 Control panels for the 4-zone IHKA

Index	Explanation
1	Front control panel
2	Control panel in the rear passenger compartment

In the front of the vehicle, the 4-zone IHKA has the same control panel as the 2-zone IHKA.

The 4-zone IHKA has an additional control panel in the rear passenger compartment. The rear seat passengers can use this to adjust the temperature separately for the left and right. The amount of air and air distribution can be controlled together for the rear passenger compartment.

With the 4-zone IHKA, the driver's current settings for temperature, amount of air and air distribution can be transferred to the front passenger side and rear passenger compartment using the ALL button.

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F10 Air ducts and zones of the 4-zone IHKA

Index	Explanation
1	Driver zone
2	Front passenger zone
3	Right rear passenger compartment zone
4	Left rear passenger compartment zone

The function, operation and structure of the 4-zone IHKA are the same as the IHKA High version in the F01/F02. For more information refer to the F01/F02 "Climate Control Systems" training material available on TIS and ICP.



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