

## Air Conditioning System Occasionally Does Not Cool Correctly At Outside Temperatures Greater Than 40°C

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Topic number	LI83.30-P-070309
Version	5
Function group	83.30 Air conditioning
Date	06-15-2020
Validity	Model series 118, 177 and 247 from SOP to clean point of the manufacturing plant; see list
Reason for change	Addition of model series 247 and the production plant clean points for the new evaporator
Reason for block	

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### Complaint:

Air conditioning system may occasionally not cool at outside temperatures >40°C

To check whether the vehicle could be affected, check the letter in 11th place in the FIN and then the associated clean point; there are 5 production plants each with their own clean point.

The letter (11th place) in the FIN indicates the plant, the letters being assigned as follows.

Aquascalientes	(W) - September 4th, 2020
Kecskemét	(N) - February 2nd, 2020
Rastatt	(J) - March 2nd, 2020
Valmet	(V) - February 28th, 2020

### Cause:

Currently unknown

Attachments	
File	Description
pic.1.jpg	OCP picture

### Remedy:

- 1) Please carry out a quick test and process the fault code.
- 2) On vehicles with CODE 2U1, check fan and radiator shutters for correct mechanical installation.
- 3) Check whether connector coupling to radiator shutters is correctly plugged in.
- 4) If radiator shutters are installed in vehicles without code 2U1, these must be removed.

# XENTRY TIPS

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- 5) Remove overhead control panel (OCP) and check that manufacturing date is later than April 6th, 2019 (Pic.1)
- 6) Connect A/C charging station and compare pressure values on the manometer with the value of pressure sensor B12/2 in Xentry.
- 7) If the values differ, replace pressure sensor B12/2.
- 8) If able to reproduce issue readily: With Xentry Diagnostics, select "A/C control unit", then "Actual values" and "Display measurement values" and click on all options.  
  
Then carry out a measuring drive for approx. 30 min. with the diagnostic device and record the values as you do so.
- 9) Extract the refrigerant, note down the amount of refrigerant extracted and re-charge with 590 g of R134a.
- 10) When changing the fill quantity to 590 g for R134a, select the appropriate information label from the XENTRY Portal parts procedure and attach it to the radiator crossmember/hood.
- 11) If complaint persists after reducing refrigerant charge: Submit the case through PTSS, stating the original refrigerant quantity, the manufacturing date of the OCP, the customer's AAC settings (when the problem occurs) and the measurement values recorded.

## Symptoms

Body / Air conditioning / Air conditioning / Insufficient cooling output

## Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 817 83 02			AC Label w/ 590g Charge	1	Replacement label with 590g charge indicated used when refrigerant charge is reduced.	X

## Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
			83431 F7	

## Validity

Vehicle	Engine	Transmission
A (177)	*	*
CLA (118)	*	*

## Attachments

# XENTRY TIPS

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pic.1.jpg:

