
Runtime of the auxiliary heater is too short (heating duration changed).

Topic number	LI83.70-N-059145
Version	1
Design group	83.70 Stationary heater, auxiliary heater
Date	06-09-2014
Validity	Model 906 with CODE H12 (Auxiliary water heater) Model 906 with CODE HZ5 (Auxiliary water heater with timer 10kW)
Reason for change	
Reason for block	

Complaint:

Runtime of the auxiliary heater is too short (heating duration changed)

Cause:

Changed heating duration of auxiliary heater with introduction of STH control unit (N33/3) A 906 900 78 01 and the new auxiliary heater A 906 830 59 00.

Remedy:

Note:

Model 906.### #E as of 068531, model 906.### #N as of 527179 and model 906.### #S as of 708568 are fitted with the control unit A 906 900 78 01 and the new auxiliary heater A 906 830 59 00 as standard. The modification for the auxiliary heater is carried out only at the request of the customer. For this reason, the costs must be billed to the customer.

1. Check control unit version with XENTRY DAS.

Note: No further action is required for STH control unit (N33/3) A 906 900 11 00 or model 906.### # up to E068530, N527178, S708567.

For STH control unit (N33/3) A 906 900 78 01 or model 906.### # as of E068531, N527179, S708568, continue with step 2.

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2. Remove auxiliary heater (see AR83.70-D-5945B).
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3. Remove STH control unit (N33/3) (see AR83.70-D-5937H).

Note: Do not remove the protective foil.

4. Install STH control unit (N33/3) A 906 900 11 00 (see AR83.70-D-5937H).

Note: It is not necessary to attach a new protective foil.

5. Install auxiliary heater (see AR83.70-D-5945B).

No restriction of heating duration by control unit

With the modification the heating duration is not limited by the control unit. The heating duration of the auxiliary heater is therefore no longer dependent on the outside temperature or the charge level of the starter battery. The total heating duration is now determined solely by the operating period programmed by the user (max. 60 minutes per ON cycle).

Therefore, in the case of vehicles as of vehicle identification number 906.### #E068531, N527179, S708568, the section "Heating duration" in the "Climate control" chapter of the operator's manual is no longer applicable after the modification.

Note:

Please remind your customers that when the auxiliary heater is operated for long periods, the engine should be running in order to protect the starter battery. Otherwise it cannot be guaranteed that the engine will start (due to the low charge level in the starter battery).

Changing the operating period manually

The modification also allows the operating period to be changed manually using the remote control (special equipment). Further details on this can be found in the vehicle operator's manual in the "Climate control" chapter.

Symptoms							
Body / Air conditioning / Stationary heater/auxiliary heater / Insufficient heat output							
Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
A 906 900 11 00			Control unit	1	In the EPC this part is restricted to certain vehicle identification numbers and production dates. However, the component can be installed without restriction.	X	

Work units				
Op. no.	Operation text	Time	Damage code	Note
83-5332	REMOVE/INSTALL WATER HEATER OF AUXILIARY HEATER		83501 53	Stationary heater/heater booster insufficient effect/power
83-5931	REPLACE CONTROL UNIT ON WATER HEATER		83501 53	Stationary heater/heater booster insufficient effect/power

Validity		
Vehicle	Engine	Transmission
Sprinter III	*	*