

## Air recirculation flap malfunctions with fault code B105C07 and / or B113600 in ACC control units

---

Topic number	LI83.10-N-071291
Version	1
Function group	83.10 Ventilation
Date	06-02-2020
Validity	Model 907
Reason for change	
Reason for block	

---

### Complaint:

Fault Code B105C07 the actuator motor for the air recirculation flap has a malfunction.

There is a mechanical fault current and stored in the AAC.

and / or

B113600 the measurement run for actuator motors for air flaps has a malfunction.

### Cause:

Under analysis

Normalization lost for the air conditioning flap actuators

### Remedy:

#### Remedy 1

1. Connect XENTRY diagnosis and attempt normalization of the flap actuator motors. If normalization is successful procedure is complete, if not proceed to step 2
2. If normalization is unsuccessful, continue to Remedy 2.

#### Remedy 2

1. Switch off ignition
2. Remove passenger foot well cover and tool kit to access the recirculation flap actuator motor (see: remedy 2 motor location.jpg)
3. Remove the flap actuator motor from heater case with suitable tool (AR83.10-D-2041TS) (see: remedy 2 motor removal.jpg)
4. Check flap linkage for blockage by hand. If unimpeded movement is noted, reinstall the recirculation flap actuator motor with the linkage in horizontal orientation (middle of sweep) (see: remedy 2 linkage orientation)
5. Repeat normalization of the flap actuators via XENTRY diagnosis
6. Erase stored faults

# XENTRY TIPS

Note: If remedy 2 is unsuccessful please open a PTSS case for processing.

Attachments	
File	Description
remedy 2 motor location.jpg	Air recirculation flap actuator motor
remedy 2 motor removal.jpg	Air recirculation flap actuator motor removal
remedy 2 linkage orientation.jpg	Linkage orientation

Symptoms
Body / Air conditioning / Heater / Malfunction, air distribution

Control unit/fault code		
Control unit	Fault code	Fault text
N22/1 - Air conditioning (AAC) (HVAC177)	B105C07	The actuator motor for the air recirculation flap has a malfunction. There is a mechanical fault. (HVAC_F907)
N22/1 - Air conditioning (AAC) (HVAC177)	B113600	The measurement run for actuator motors for air flaps has a malfunction. _ (HVAC_F907)

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
54-0650	ON-BOARD POWER SUPPLY VOLTAGE MAINTAIN (WHEN CHECKING/TESTING AND TROUBLESHOOTING)	0.1		
54-1011	PERFORM QUICKTEST	0.2		
83-3117	PERFORM NORMALIZATION OF ACTUATOR MOTORS ON HEATING/VENTILATION/AC HOUSING	0.2	80460 73	
83-3139	FRESH AIR/RECIRCULATED AIR FLAP ACTUATOR MOTOR REMOVE AND REINSTALL WITH LINKAGE CORRECTION	0.2		Only claim when performing remedy 2

WIS-References			
Document number	Title	Note	Allocation
AR83.10-D-2041TS	Remove/install fresh air/recirculated air flap actuator motor		Remedy

Validity		
Vehicle	Engine	Transmission
Sprinter 907	*	*

# XENTRY TIPS

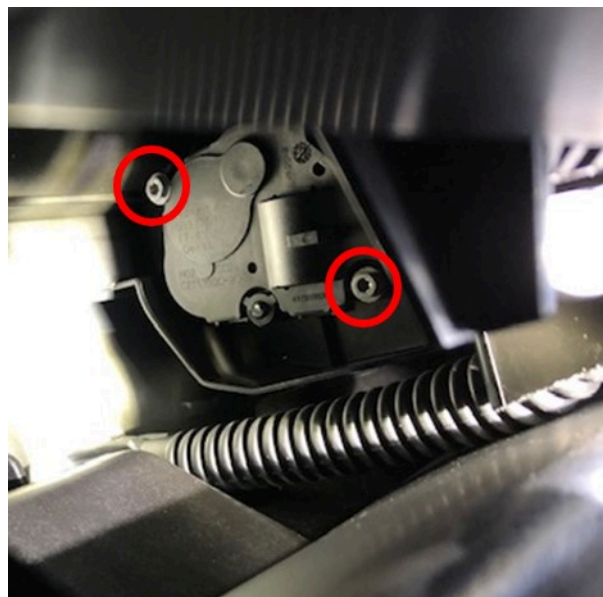
---

## Attachments

remedy 2 motor location.  
jpg:



remedy 2 motor removal.  
jpg:



# XENTRY TIPS

---

remedy 2 linkage orientation.jpg:

