

Air Conditioning System and/or A/C Compressor Nonfunctional/Defective/Blocked

Topic number	LI83.30-P-073278
Version	1
Function group	83.30 - Air conditioning
Date	7/9/21
Validity	Model series 177, 118, 247 with engine M139.
Reason for change	

Complaint

Possible complaints:

- Air conditioning system nonfunctional (no air or warm/hot air only)
- Compressor blocked and/or compressor clutch not activating.
- Noises from the engine compartment

Cause

Possible leakage.

Remedy

Before any parts are replaced or other repairs conducted: Create a PTSS case with the following information:

1. Exact description of customer complaint
2. Current refrigerant charge quantity (In grams, preferably)
3. Findings report about already damaged/defective parts (Do Not Replace Parts Until Instructed)
4. Result of leak test with a minimum of 20 bar (290 psi) of pressure over a duration of approx. 15 hours.
5. If possible: Exact description of leakage location (Please ensure photos are high-quality and clear)

Symptoms
Power generation > Mechanical engine components > V-belt > Noise
Power generation > Engine noise > Noise
Body > Air conditioning > Air conditioning > Insufficient cooling output
Body > Air conditioning > Air conditioning > Noise

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note