

# WARM BEFORE YOU COOL



**E**nvironmental control units (air conditioners) need a warmup before you make operational checks following extended shutdowns or initial installation.

A warmup is required in order to boil out liquid refrigerant that tends to migrate into the ECU's compressor and mix with lube oil there.

If the refrigerant is not boiled out before an operational check in the COOL mode, it can cause loud knocking and even failure of the compressor.

So before you make any operational checks according to TM procedures, make sure to power up your ECU following the times in the chart below.

Outside Temp	Minimum Input Power Time
60° F	5 minutes
40° F	1 hour
20° F	2 hours
Below 20° F	4 hours

THIS AFFECTS  
AIR CONDITIONERS  
COVERED BY  
TM 9-4120-400-14,  
TM 5-4120-342-14,  
TM 9-4120-401-14,  
TM 5-4120-384-14,  
TM 9-4120-402-14,  
TM 9-4120-371-14,  
TM 9-4120-404-14,  
& TM 9-4120-389-14.

