



TECHNICAL SERVICE BULLETIN

September 9, 2015

CONCERN:

AEV has received reports of the cab a/c not performing properly on the Ford F series chassis with the X series package. This model has the Intermotive module A-CVC502-A installed under the dash (AEV part # AIRC-CLUTCH) for the a/c compressor clutch activation from the rear switch panel.

ISSUE:

The issue is the front a/c evaporator core will freeze up causing the cab vent temperature to rise in the cab. Then the air flow out of the vent will stop blowing air due to the frozen evaporator. Once the system was shut off it would allow the evaporator to thaw out. Then the a/c system could be turned on and it would start cooling again until the system froze again.

NOTE:

The Intermotive module A-CVC502-A is installed on the X series with F series chassis as a standard. The standard Type I F series models do not get this installed as a standard it's an upgrade option.

RESOLUTION:

The Intermotive module needs to be reconfigured to activate the Evaporator Temperature Monitoring (ETM) feature. This feature is capable of monitoring the front cab evaporator temperature when the a/c is on. It is setup to disengage the compressor clutch when the evaporator temperature is at or below 32°F. When the evaporator temperature climbs back to 35.6°F the clutch will engage again.

How to Activate ETM Feature:

To Activate: Start the engine, put the vehicle in neutral, apply and hold the brake and cycle the parking brake on/off 4 times in 5 seconds. Upon success the on-board LEDs will all flash in unison on the Intermotive module. At this point, a key/ignition cycle causes the new settings to take effect.

Intermotive Module A-CVC502-A (AIRC-CLUTCH)



Location under driver side dash mounted to the firewall above Park Brake.

