



TAC-SER11-001
01-31-11

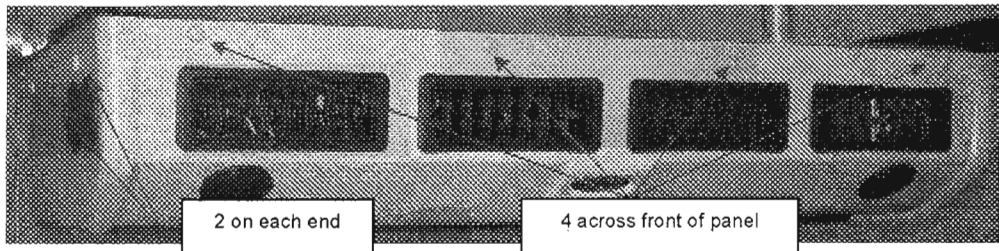
Subject: EM1 Gen V Evaporator Units

The EM1 GenV blower motor fuse assembly could fail in an unsafe manner, creating a potential fire hazard. We are advising that any units manufactured between January 1, 2006 and December 2010 must have the evaporator motor in-line fuse assembly upgraded with the retrofit kit 74-62056-00. The only units affected are EM1 GenV evaporator modules, part numbers 77-62512-XX and 77-62112-XX, with serial numbers between KNT90890232 and NNE91230058. Customers with EM1 GenV units prior to the above mentioned serial numbers and dates that have had Carrier replacement motors 54-00621-00 installed, will also require this upgrade.

Below are instructions on how to identify and confirm the affected units by the unit identification tag, and visual confirmation of the fuse assembly.

CAUTION: Disconnect the vehicle battery and use proper lockout/tagout procedures for your safety.

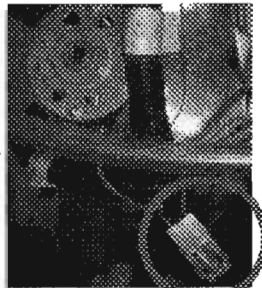
- 1) Remove the cover from the evaporator by removing the 8 screws shown below. Properly support the cover while removing the screws.



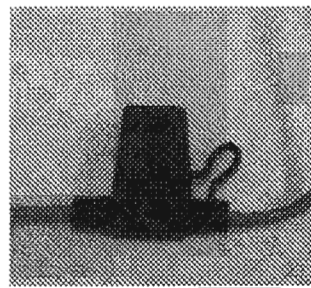
- 2) Once the cover has been removed, the identification tag containing the unit part number, manufacture date, and serial number can be found on the motor "cradle" mount, as seen in the photo below (on left). Compare the information to the above mentioned manufacture date, and/or serial number. Units employing a fuse holder as appears circled in red below require the upgrade with the new fuse holder.



Serial Number Tag



Old Fuse Holder



New Fuse Holder


- 3) Once it has been identified that the unit requires the fuse assembly upgrade, the serial number of the unit should be recorded for each affected unit.
- 4) Carrier has set up a dedicated Hotline to obtain the Retrofit kit required to perform the upgrade. The serial number of each unit **will be required when kits are ordered**. The kit(s) will be shipped to the address provided at no charge. Materials and instructions to perform work will be provided with the kit.
- 5) The time allowance to perform this re-work is ½ hr. To submit for labor reimbursement, a warranty claim needs to be filed with Carrier. The process and codes to be used are as follows.
 1. In the "Part number" category, enter "PT11-01" (no MPR required).
 2. Under "Job Code" enter "PT11-01 L" (this is for 0.50 hours labor).
 3. Submit claim

Availability of the retrofit kits is expected to be on or about the week of 3/15/2011. After this date, please contact Carrier Recall Hotline at (800) 793-4741 or an authorized Carrier Dealer/Service Center so that your unit can be retrofitted.

Robert Picker

Service/Warranty Manager
Carrier Transicold Division

BD, BU

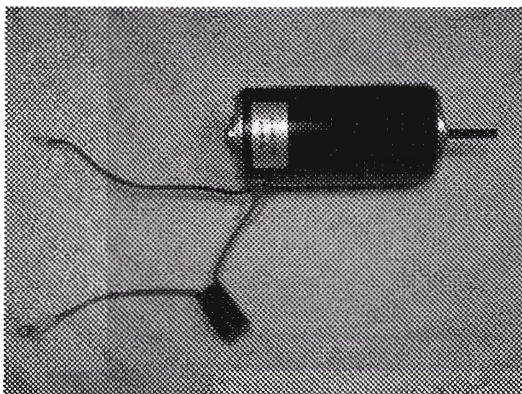
 Carrier A United Technologies Company Carrier Transicold Division P.O. Box 4805 Syracuse, New York 13221 USA	Drawing No. 98-63213	Rev. A
	Date JAN 17, 2011	Sheet 1 of 5
Title: RETRO-FIT KIT INSTRUCTIONS EM1 GENV IN-LINE FUSE	Supersedes	RETROFIT KIT: 74-62056-00

Purpose:

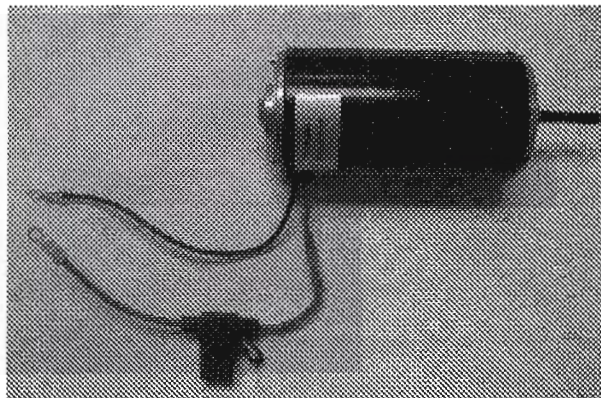
74-62056-00 Retrofit

kit is intended to replace inline fuses to EM1 evaporators built and shipped after Jan 1, 2006. Current inline fuse is removed and replaced with a more robust design as seen below.

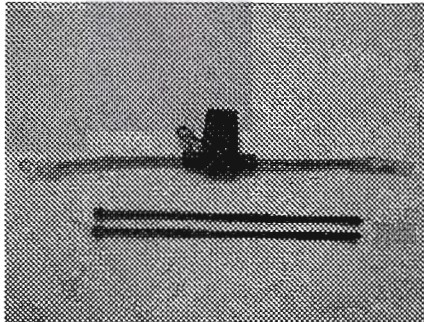
BEFORE



AFTER



Kit Contents:




Item	Part Description	QTY
1	Fuse Holder Assembly (22-62326-00)	1
2	Wire Ties (58-00079-02)	2

Tools Required:



Item	Tool Description
1	Phillips and Standard Screwdriver
2	Diagonal Cutters
3	Wire Strippers
4	Wire Crimpers (Insulated Terminals)
5	Heat Gun

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By:	Approved By:	Date:
---	--------------	--------------	-------

 Carrier A United Technologies Company Carrier Transcold Division P.O. Box 4805 Syracuse, New York 13221 USA	Drawing No. 98-63213		Rev. A
	Date JAN 17, 2011	Sheet 2 of 5	
Title: RETRO-FIT KIT INSTRUCTIONS EM1 GENV IN-LINE FUSE	Supersedes	RETROFIT KIT: 74-62056-00	

General Safety Notices:

The following general safety notices supplement specific warnings and cautions appearing elsewhere in this document. They are recommended precautions and must be understood and applied during maintenance/service activities contained herein.

Qualified technician is required for successful installation of this kit. This document does not replace proper technical or safety precautionary training. Refer to Carrier Installation and Service Manuals for more information on safety notices and proper service techniques.

Prior to starting work each day, or starting any new job or task, it is expected that employees will inspect the job for potential hazards. Work must not start until all unsafe conditions are mitigated.

First Aid:

An injury, no matter how slight should never go unattended. Always obtain first aid or medical attention immediately.


Special Precautions:

Always wear appropriate personal protective gear (safety glasses, hearing protections, gloves, safety lanyards).

Keep hands, clothing, and tools, clear of moving parts (engines, condenser and evaporator fans).

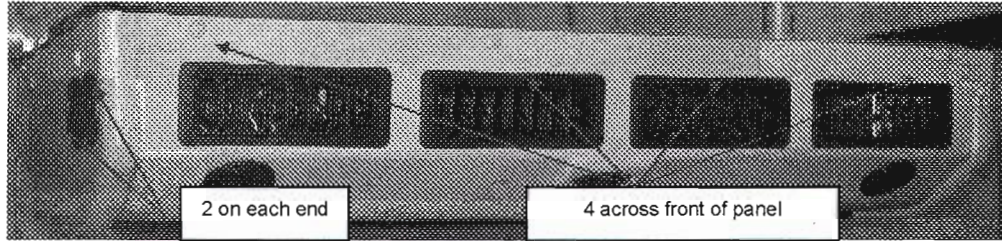
No work should be completed unless battery power has been disconnected. Lockout/Tagout procedures should be in place and followed.

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By:	Approved By:	Date:
---	--------------	--------------	-------

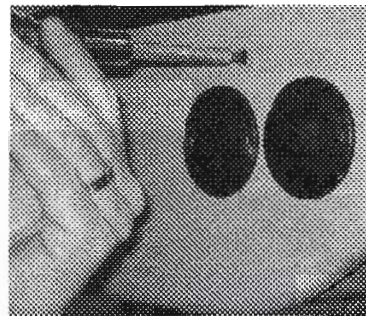
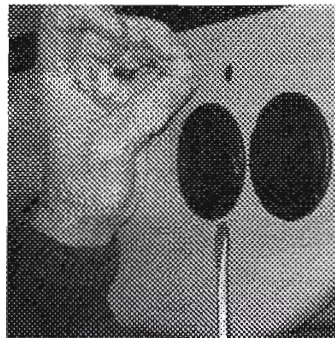
 Carrier A United Technologies Company Carrier Transcold Division P.O. Box 4805 Syracuse, New York 13221 USA	Drawing No. 98-63213	Rev. A
	Date JAN 17, 2011	Sheet 3 of 5
Title: RETRO-FIT KIT INSTRUCTIONS EM1 GENV IN-LINE FUSE	Supersedes	RETROFIT KIT: 74-62056-00

Step By Step Instructions:

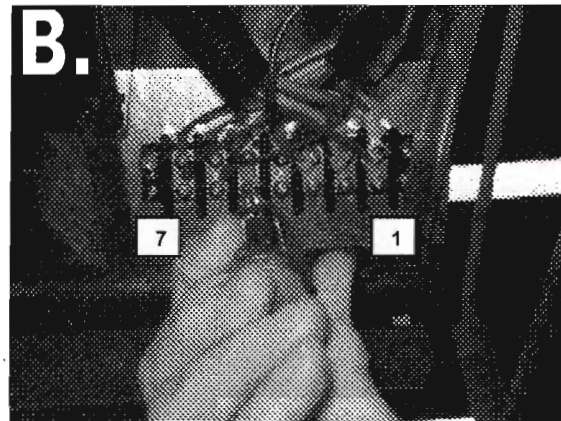
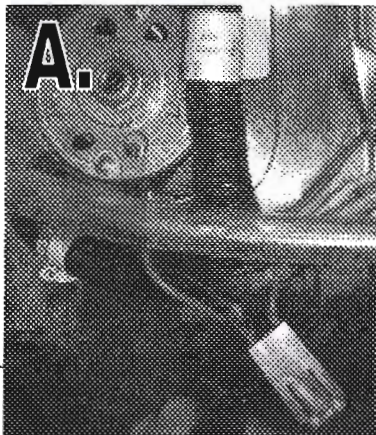
1. Disconnect vehicle battery.
2. Using a standard and phillips screwdriver, properly support and remove the 8 screws securing unit cover to gain access to motor assembly.




Remove plastic caps to access screws



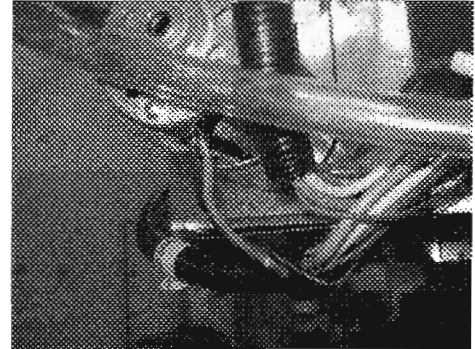
3. A.) Cut the "red" lead on the motor side of fuse holder. Keep as close to fuse holder as possible. B.) Remove the fused motor lead ring terminal (red wire), from terminal block (Terminal #5 from right). Remove and discard old fuse and holder.



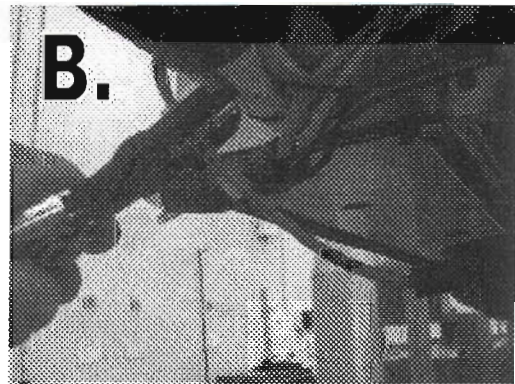
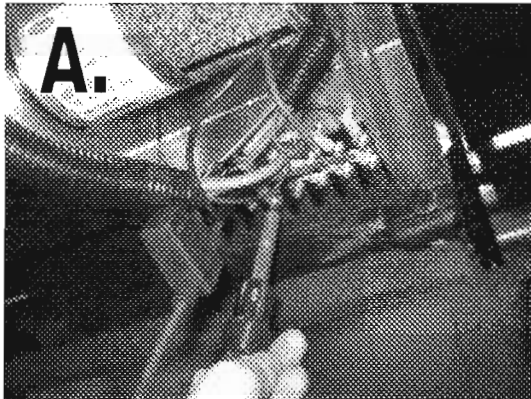
File: This file is located on the Syracuse Server L:\Drafting\FORMS\DwgForm.doc	Prepared By:	Approved By:	Date:
---	--------------	--------------	-------

 Carrier A United Technologies Company Carrier Transicold Division P.O. Box 4805 Syracuse, New York 13221 USA	Drawing No. 98-63213	Rev. A
	Date JAN 17, 2011	Sheet 4 of 5
Title: RETRO-FIT KIT INSTRUCTIONS EM1 GENV IN-LINE FUSE	Supersedes	RETROFIT KIT: 74-62056-00

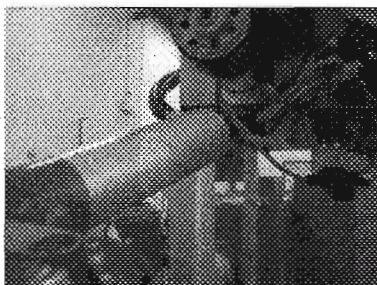
4. Strip the "red" lead to motor ¼" back to accept the butt splice terminal of the supplied fuse holder assembly.




5. A.) Install ring terminal end of new fuse assembly 22-62326-00 onto original (position 5) of terminal block.
B.) Install "butt" connector end of new fuse assembly 22-62326-00 to red motor lead, strip and prepared earlier.



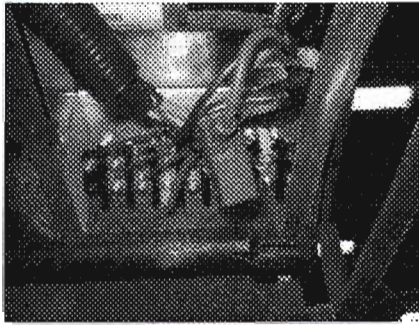
6. Properly heat shrink "butt" connector end of new fuse assembly 22-62326-00 at both ends.



File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By:	Approved By:	Date:
---	--------------	--------------	-------

 Carrier A United Technologies Company Carrier Transcold Division P.O. Box 4805 Syracuse, New York 13221 USA	Drawing No. 98-63213	Rev. A
	Date JAN 17, 2011	Sheet 5 of 5
Title: RETRO-FIT KIT INSTRUCTIONS EM1 GENV IN-LINE FUSE	Supersedes	RETROFIT KIT: 74-62056-00

- Secure wiring and fuse holder from chafing, making sure NOT to attach fuse holder to, or in contact with any drain lines, wire loom, or the motor.



- Properly support and re-install cover with all hardware.

SAFETY Take all necessary precautions to properly secure unit cover.

IMPORTANT: Please contact Carrier Transport Technical Service Hot-Line at (800) 450-2211 with any questions or concerns.

<u>SYM</u>	<u>REVISION RECORD</u>	<u>DATE</u>	<u>BY</u>	<u>ENG</u>	<u>ECN</u>
A	INITIAL RELEASE	1/17/11	DNK	HEARN	68N0421P11

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By:	Approved By:	Date:
---	--------------	--------------	-------