

Field Modification Instructions



FMI # SU2013-1

Date: Jan 27, 2014

To: DART and NABI

From: SUTRAK Engineering

Subject: Discharge Anaconda line for NABI CNG 40ft and 31ft

- **Part # 800.219.1C.HP**

Effective Date: Immediate

Action Required: No action required for NABI/DART.

Sutrak Representatives will conduct the modification.

Description of Issue

A large number of buses have developed refrigeration leaks at the compressor discharge anaconda line. The purpose of this **FMI** is to change the Discharge Anaconda line assembly with the correct 1.39 Anaconda line on the remaining Buses that have the smaller 1.25 Anaconda.

Parts Needed:

1-Discharge anaconda assembly _ Part # 800.219.1C.HP

1-7/8 coupler _ Part # 557.420

Tools Needed:

Hand tools

Refrigeration gauge set

Small tubing cutter

Repair/Installation procedure:

- 1- Turn off the bus and key switch at A/C distribution box.
- 2- Remove Compressor cover
- 3- Remove curbside condenser fan
- 4- Install refrigerant gauges at compressor
- 5- Isolate the discharge anaconda line by closing the Suction service valve at compressor and the service valve by the condenser check valve.

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- 6- Apply 24v to solenoid valve and Recover any refrigerant if present on high side at top service valve for filter dryer.
- 7- Loosen Discharge valve at compressor
- 8- Cut tubing inside unit and tape off to prevent moisture in line.
- 9- Remove discharge anaconda line assembly
- 10- Measure and cut new anaconda line assembly to match the length of the one removed
- 11- Solder a 7/8 coupler on new assembly
- 12- Install new assembly and solder joint inside unit
- 13- Install R134a adapter fitting and high pressure switch from old assembly
- 14- Open Suction service valve
- 15- Open service valve at condenser
- 16- Vacuum from service valve above filter dryer for approx 1 hr
- 17- Add 134a refrigerant as needed
- 18- Turn on key at A/C distribution box
- 19- Start bus and run A/C for approx 30 minutes
- 20- Add 134a refrigerant as need until ball in receiver is $\frac{3}{4}$ to full



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For additional information, please contact SUTRAK Customer Service Representative or Applications Engineer.

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