SERVICE BULLETIN

SB1271

ADDRESSEES	**:** ABC Customer Care and Parts Source Owners and operators of coaches listed under “Application”
VEHICLE MODEL	**:** CX45 with Detroit Diesel engine
MANUAL SECTION	**:** 8.14 Climate control – refrigerant system
BULLETIN TYPE	**:** Field Change Program
DATE	**:** October 28th, 2014
SUBJECT	**: To replace A/C compressor discharge hose**
TERMS & CONDITIONS	**:** Refer to the warranty section further in this Bulletin.

APPLICATION:

Model	VIN
CX45 with Detroit Diesel	48200→48249, 48268→48270, 48272→48281 48283→48287, 48289→48295, 48297→48306 48309→48314, 48317→48321, 48323→48336 48341→48344, 48346→48379, 48381 48383→48384

DESCRIPTION:

- Field reports have determined that there is a frequent failure of the A/C compressor discharge hose.
- To address this issue, Van Hool is conducting a Field Change Program, the terms and conditions of which are explained further on under “Warranty”.
- Owners and operators of the affected units should follow the procedure below to replace the A/C compressor discharge hose.
- The procedures in this Bulletin provide the necessary fitting instructions.

NOTE: If you have already performed this repair, no action is required.

MATERIAL:

Old parts

VH Reference	Description	Qty.
11332854	A/C compressor discharge hose	1

New parts

VH Reference	Description	Qty.
11419554	A/C compressor discharge hose (with O-ring included)	1
11133042	Gasket	1

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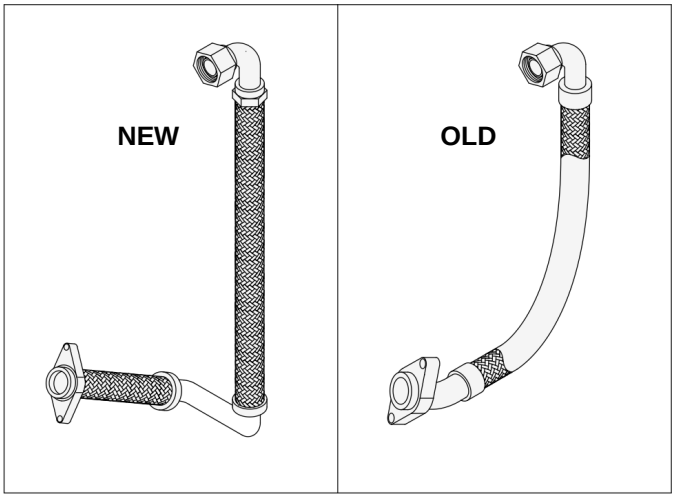


Figure 1

PROCEDURE:

If you do not have the expertise to perform this procedure, do not hesitate to go to your nearest ABC Customer Care & parts Source dealership.

1. General:

- This job should be executed by an experienced automotive HVAC technician.
- For more information on HVAC procedures refer to the maintenance manual of the vehicle.

2. Special tools, equipment or services:

All-in one A/C station

3. Preparations:

- Park the coach on a level surface with the front wheels straight.
- Apply the parking brake and shut down the engine.
- Switch off all systems and turn off the battery master switch.
- Open the engine compartment doors
- Put a “DO NOT OPERATE” tag on the steering wheel.
- Read the entire procedure before beginning to work

WARNING!

When working in the engine compartment, turn the starter motor inhibitor switch to “starter motor disabled” for the steps, which do not require engine operation. Observe safe shop practices at all times.

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4. To remove refrigerant from A/C compressor discharge hose:

Step	Action
1	Connect the manifold gauge set to the compressor service valves.
2	Front seat the compressor suction service valve.
3	Start the engine and operate the compressor.
4	Continue to operate the compressor, observing the pressure gauge, until the low pressure switch disengages *(31.9 psig*) the compressor clutch.
5	Shut-down the engine.
6	Front seat the compressor discharge service valve.
7	Connect the center hose of the manifold gauge set to a recovery station or an evacuating cylinder.
8	Turn the high pressure cock of the manifold gauge set counterclockwise. The refrigerant in the line between the compressor and the check valve is now evacuated to the recovery station or evacuating cylinder.
9	Turn the high pressure cock of the manifold gauge set clockwise to the fully closed position when the indicator on the high pressure gauge drops to 0. Refrigerant line at high pressure side can now be safely removed. **WARNING!** **The line between the check valve and liquid receiver tank is still pressurized. Before removing components from this section of the system, refrigerant must be reclaimed.**

5. To remove/install A/C compressor discharge hose:

Step	Action
1	Remove and discard the old discharge hose.
2	Connect the new discharge hose.

6. To finalize repair:

Step	Action
1	Evacuate the A/C compressor discharge hose.
2	Back seat the compressor suction and discharge service valves.
3	Check the refrigerant charge and add if necessary as indicated in the maintenance manual.
4	Run the system and check operation.
5	Check refrigerant lines for leaks. Correct as required.

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WARRANTY:

1. Terms and conditions:

Van Hool will accept warranty claims for this repair as follows:

Parts: parts will be supplied through regular channels, free of charge.

Labor allowance: 0.75 (three quarters) hour for labor will be awarded per coach repaired.

Campaign expiration date: Service Bulletin issue date + 1 year.

2. Claim references:

- Causal part: 11332854
- Job code: E50616V

Claim submission: Contact ABC Customer Care Warranty Department for guidance.