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| ADDRESSEES | : ABC Customer Care and Parts Source Owners and operators of vehicles under "Application" |
| VEHICLE MODEL | : Coaches with Detroit Diesel DD13 EPA16 engine |
| MANUAL CHAPTER | : 02.46 Engine – Accessory drive systems |
| BULLETIN TYPE | : Product improvement |
| DATE | : July 23 th , 2018 |
| SUBJECT | : Introduction of new refrigerant compressor drive belt |
| TERMS AND CONDITIONS | : This service bulletin does not entitle to any reimbursement. |

APPLICATION:

As from following units with Detroit Diesel engine, Van Hool is using a new refrigerant compressor drive belt.

| Model | VIN |
|-------|-------|
| CX45 | 81270 |
| TX45 | 41662 |

DESCRIPTION:

Due to different rubber composition, the new drive belt is more resistant to belt flutter (vibrations). Van Hool recommends the use of this belt as service replacement for belt 11081176 used on earlier vehicles with Detroit Diesel DD13 EPA16 engine.

JOB QUALIFICATION:

The task has to be carried out by an experienced technician, trained in the operations at hand.

SPECIAL TOOLS, EQUIPMENT OR SERVICES:

No special tools, equipment or services required.

PARTS:

| Description | VH reference | Qty |
|-----------------------------------|--------------|-----|
| Refrigerant compressor drive belt | 11625111 | 1 |

- Parts can be purchased through an "ABC customer Care & Parts Source Service Center".
- Waste disposal: dispose of removed components and used products in accordance with the local environmental regulations.

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PREPARATIONS

- Park the vehicle over a flat inspection pit, with the front wheels in the straight-ahead position. Apply the parking brake. Stop the engine. Switch off all systems and turn off the battery isolation switch on the dashboard.
- Open the mechanical battery isolation switch.
- Put a "DO NOT START" warning on the instrument panel before starting the works.
- Put chocks in front of and behind the drive axle wheels.
- **Read the entire procedure before starting to work.**



WARNING!

Observe safe shop practices at all times.

PROCEDURE:

| Step | Action |
|-------------|--|
| 1 | Open the rear engine compartment door. |
| 2 | Replace the refrigerant compressor drive belt as described in chapter 2.46 of the maintenance manual. |
| 3 | Check/adjust the belt tension of the refrigerant compressor drive as described in chapter 2.46 of the maintenance manual. |
| 4 | Check/adjust the position of the refrigerant compressor drive belt stops as described in chapter 2.46 of the maintenance manual. |
| 5 | Close the rear engine compartment door. |

End of procedure.

HELP DESK

If there are any questions regarding this retrofit, please call ABC Customer Care & Parts Source toll-free for guidance on 1-877-427-7278.

DISCLAIMER:

The procedures contained herein are not exclusive. Van Hool cannot possibly know, evaluate, or advise the transportation industry of all conceivable ways in which a procedure may be undertaken or of the possible consequences of each such procedure. Other procedures may be as good, or better, depending upon the particular circumstances involved.

Each carrier who uses the procedures herein must first satisfy itself thoroughly that neither the safety of its employees or agents, nor the safety or usefulness of any products, will be jeopardized by any procedure selected.

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INFORMATION HANDLING:

Important additions and modifications regarding technical information not yet included in the manual will be communicated through Service Bulletins.

VAN HOOL CUSTOMER PORTAL:

Consult the customer portal regularly for the latest service documentation. In addition to the maintenance manual, you will also find the operating manual and the spare parts catalogue of your vehicle on the customer portal. The customer portal is accessible through www.vanhool.be, only with a code (password) from Van Hool. If you do not have a password yet, request it by using the link on the Van Hool website.

| REVISION RECORD | |
|---|------------|
| Description | Date |
| Initial release | 2018-07-19 |
| Page 1, under description: 11081176 was 1101176 | 2018-07-23 |