

ADDRESSEES	: ABC Customer Care and Parts Source Owners and operators of coaches listed under "Application"
VEHICLE MODEL	: CX., TX..
MANUAL CHAPTER	: 2.30 Traction engine – exhaust system
BULLETIN TYPE	: Product Improvement
DATE	: December 13 th , 2019
SUBJECT	: Introduction of a DEF tank filler cap unit with integrated de-aeration valve
TERMS & CONDITIONS	: This service bulletin does not entitle to any reimbursement.

APPLICATION:

The Product Improvement, subject of this bulletin, applies to CX.. and TX.. vehicles.

DESCRIPTION:

Van Hool has switched over to a new type of DEF tank filler cap unit from MY2020 vehicles onwards. The new DEF tank filler cap unit is equipped with an integrated de-aeration valve and prevents tank ventilation problems in case the standard installed tank in-line de-aeration valve is clogged due to DEF crystallization. The new DEF tank filler cap unit fits earlier vehicles and will be supplied as kit 91082547.

This service bulletin gives step-by-step installation instructions how to switch over to the new DEF tank filler cap unit.

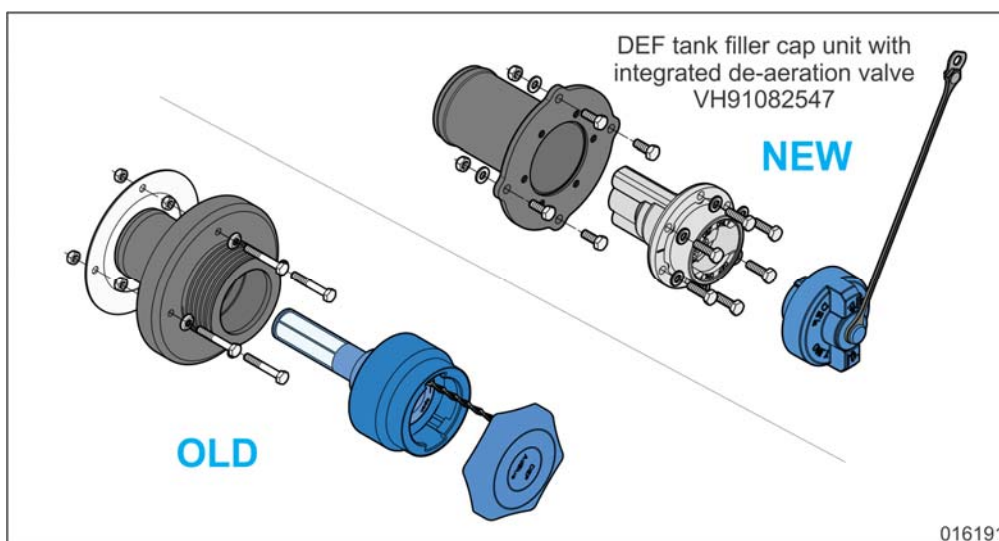


Figure 1

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JOB QUALIFICATION:

No specific job qualification is required.

SPECIAL TOOLS, EQUIPMENT OR SERVICES:

No special tools, equipment or services are required.

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.
- Install a "DO NOT OPERATE" warning message on the steering wheel.
- Put chocks in front of and behind the front-axle wheels.
- **Read the entire procedure before starting to work.**



WARNING!

Observe safe shop practices at all times.

MORE ABOUT DIESEL EXHAUST FLUID (DEF)

The text below does not aim at being complete; for more information, read the technical and safety information sheets that you can order from your DEF supplier.



WARNING!

DEF is not toxic; in extreme cases, it can cause irritation of the bronchial tubes, skin, eyes and mucous membranes. In the event of contact with the eyes, rinse immediately with ample water for at least 15 minutes. Avoid prolonged contact with the skin; in case of contact with the skin, wash it with soap and ample water. In case of ingestion, rinse the mouth with ample water; do not induce vomiting and call for medical assistance immediately.

Fresh DEF spilled on the floor is slippery; danger of slipping and falling.



CAUTION!

If dirt ends up in the DEF tank, this can cause damage to the exhaust gas aftertreatment system of your vehicle.

Tap water or substances – of whatever nature – added to the DEF can cause irreparable damage to the exhaust gas aftertreatment system of your vehicle. If damage is due to the use of additives or tap water, the warranty for faults in material voids.

DEF attacks some materials and corrodes most metals, especially aluminum and brass (except stainless steel). It also affects body lacquer if the spilled product is left to dry up on the lacquer.

Do not discharge DEF freely into the environment.

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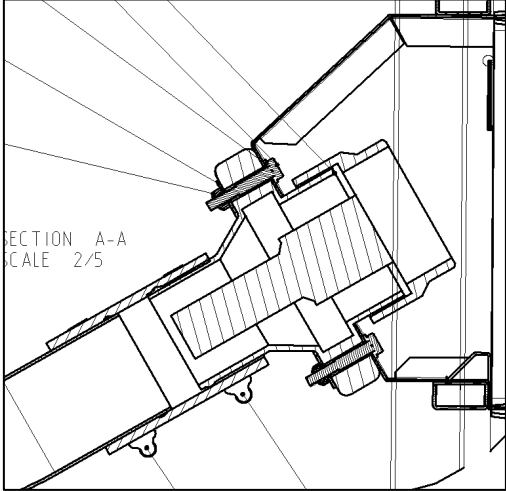
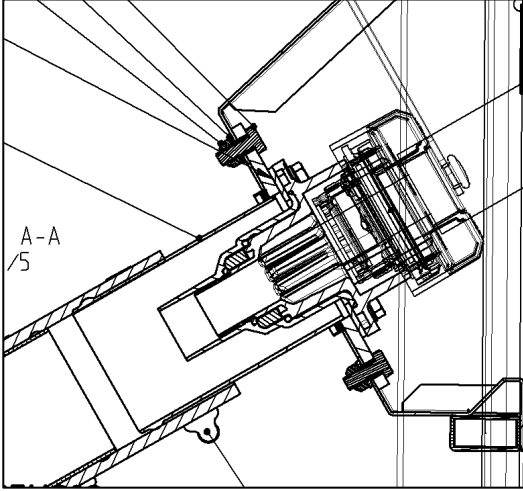
Spilt DEF

Remove the spilled product with absorbent material as soon as possible. Rinse with water to finish off.

Crystallization

When exposed to the air, the urea in the DEF crystallizes due to evaporation of the water in the solution.

PROCEDURE:

Step	Action
1	Open the door that gives access to the DEF filler cap.
2	Clean mounting area from debris and crystallized DEF. Replace the original DEF filler cap unit by the new DEF filler cap unit with integrated de-aeration valve.   Figure 2: Installation of old DEF filler cap unit Figure 3: Installation of new DEF filler cap unit
3	Close the door.

End of procedure.

HELP DESK:

If there are any questions, please call ABC Customer Care & Parts Source toll-free for guidance on 1-877-427-7278. Listen for the prompts for warranty and select that option.

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 supplements to and modifications of technical information not yet included in the manual, are communicated by means of Service Bulletins.

VAN HOOL CUSTOMER PORTAL:

Consult the customer portal regularly for the latest service documentation. Beside 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, and 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.