SERVICE BULLETIN

SB1615

ADDRESSEES	:	Owners and operators of Van Hool vehicles ABC Customer Care and Parts Source
VEHICLE TYPE	:	TD925US 10-wheeler
CONFIGURATION GROUP	:	12.14 Axles – Trailing axle
BULLETIN TYPE	:	**Service information**
DATE	:	January 13th, 2020
SUBJECT	:	**To change tie-rod arm fixation screws on trailing axle periodically**
TERMS & CONDITIONS	:	This service bulletin does not entitle to any reimbursement.

INTRODUCTION:

It has come to the attention of Van Hool that the tie-rod arm fixation screws on the trailing axle have a limited life due to high mechanical loads. For that reason these tie-rod arm screws must be changed every 250,000 miles or every year (whatever comes first). The maintenance schedule in the Van Hool maintenance manuals for these vehicles will be modified in that way.

COMPONENTS:

Kit VH11657411

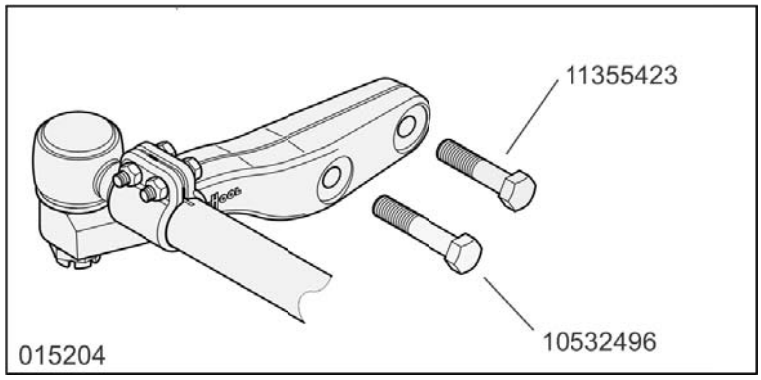

Figure 1

VH reference	Description	Quantity*
10532496	Screw M20x1.5x100 mm, grade 10.9	2
11355423	Screw M20x1.5x85 mm, grade 10.9	2

**Suited for one vehicle.*

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JOB QUALIFICATION:

This job has to be carried out by an experienced automotive technician trained in suspensions.

EQUIPMENT CONDITION:

- Vehicle above inspection pit
- Parking brake applied and engine shut down
- Switch off all systems and turn off the battery master switch
- When working in the engine compartment, turn the starter motor inhibitor switch in the engine compartment to the “starter motor disabled” position.
- Install a “DO NOT OPERATE” tag on the instrument panel
- **Read the entire procedure before starting to work.**

WARNING!

Observe safe shop practices at all times.

PROCEDURE

Step	Action
1	Depressurize the hydraulic circuit of the trailing axle steering system (refer to "Mobil Elektronik steered trailing axle: to depressurize hydraulic circuit" in chapter 7.10 of the maintenance manual).
2	Remove the two screws securing the tie-rod arm to the steering knuckle.
3	Before installing the tie-rod arm again: a. Check the tie-rod arm for damage. Change, if necessary. b. Thoroughly clean the contact faces of the tie-rod arm and steering knuckle, as well as the screw head contact faces of the tie-rod arm. Remove burrs, rust and paint runs.
4	Take a long and a short screw from the kit. a. Clean the threads of the new screws with Loctite 7063. b. Allow time to evaporate until the surfaces are completely dry. c. Apply Loctite 243 to the screw threads.
5	Install the screws (long one at the front, short one at the rear) and hand-tighten.
6	Finally tighten the screws with a torque of 550 ± 55 Nm (405 ± 40 ft.lbf) using a torque wrench.
7	Repeat steps 2 up to and including 6 for the other tie-rod arm.

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 warranty prompt and select that option.

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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.

INFORMATION HANDLING:

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

VAN HOOL CUSTOMER PORTAL:

Consult the Van Hool customer portal 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.