TECHNICAL BULLETIN

TB1224

ADDRESSEES	: ABC Customer Care and Parts Source Owners and operators of coaches listed under 'Application'
COACH/BUS MODEL	: TD925US
BULLETIN TYPE	: Service Information
SECTION/CHAPTER	: Section 11 – Body and accessories Chapter 10.34 – Glass, windows and mirrors
DATE	: October 21, 2009
SUBJECT	**: Rearview mirror connector terminal corrosion**
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

The service information subject of this Bulletin is applicable to following units:

Model	Engine	VIN
TD925US	Cummins ISM 02	42301 → 42317

DESCRIPTION:

1. In production, the terminals connecting the exterior rearview mirror wiring to the chassis electric circuit are treated with dielectric grease VH 11112565 to protect them against corrosion (Figures 4 and 5).
   In spite of this preventive measure, issues have been reported with respect to the operation of the rearview mirrors on some of the above-mentioned units.

2. Investigation has shown that due to lack of lubricant, moisture had penetrated between the mirror and body mounting pads and had worked its way up to the terminals.
   As a result the terminals had corroded to the extent that the mirror could no longer function as designed.
   On coaches operating in cold climates, corrosion was accelerated by road splash contaminated with aggressive road salts.

3. This Technical Bulletin has been issued to remind customers of the importance to check that the terminals are still properly lubricated, every time the rearview mirrors are removed.

4. The procedure further in this Bulletin shows how to address terminal corrosion and extend the rearview mirror service life.

Continued on next page.

PARTS AND PRODUCTS:

Reference	Description	Qty.
Local purchase	Spray, electrical contact cleaner*	#
Local purchase	Grease, dielectric**	#
VH 10562565	Pad, mirror dovetail mounting, includes plug and wiring	2
VH 10728708	Wire harness, external rearview mirror, includes jack	

*Specifically, a multi-functional penetrating lubricant for dissolving rust, corrosion and oxidation. The product should be moisture repellant and have the ability to clean electrical contacts for improved conductivity.

**A silicone dielectric compound used to insulate, lubricate and protect electrical fittings. It should protect against salt, dirt, moisture intrusion and stray current in electrical connections.

- Products may be purchased from your nearest ABC Customer Care & Parts Source service center.
- Waste disposal: discard old products according to applicable environmental regulations.

PROCEDURE:

To address rearview mirror connector terminal corrosion

- If you do not have the expertise to perform present procedure, do not hesitate to go to your nearest ABC Customer Care & Parts Source service center.

1. General:

- This job should be executed by an experienced automotive technician.
- For more information refer to the Maintenance Manual, the Spare Parts Manual, and the Operator's Guide Book.

2. Special tools, equipment or services:

- This job does not require special tools, equipment nor services.

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.
- Put a “DO NOT OPERATE” tag on the instrument panel.
- Read the entire procedure before beginning to work.

CAUTION: Observe safe shop practices at all times.

4. To remove an external rearview mirror:

NOTE: This procedure shows the right-hand external rearview mirror. The left-hand mirror attaches to the coach body in exactly the same manner.

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1) Using a soft-faced mallet, gently tap the mirror arm from the bottom upwards to detach it from the door mounting pad (Figure 1).

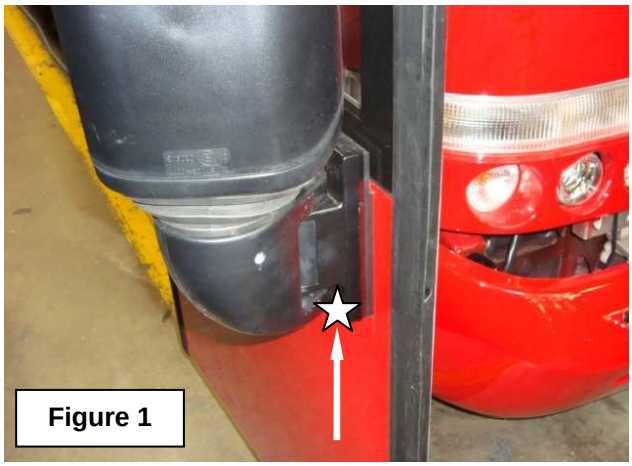

Figure 1

2) Carefully lift the mirror assembly from the pad (Figure 2) exposing the mirror and body electrical connector terminals (Figure 3).

Figure 2

Figure 3

Continued on next page.

5. To clean and protect the rearview mirror terminals:

1) With the use of compressed air and a stiff paint brush, remove all dirt and grime that may have accumulated in the mirror and body connector plug and jack (Figures 4 and 5).

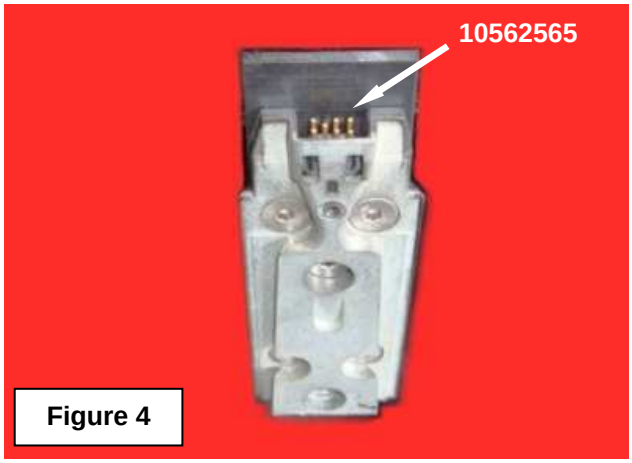

Figure 4

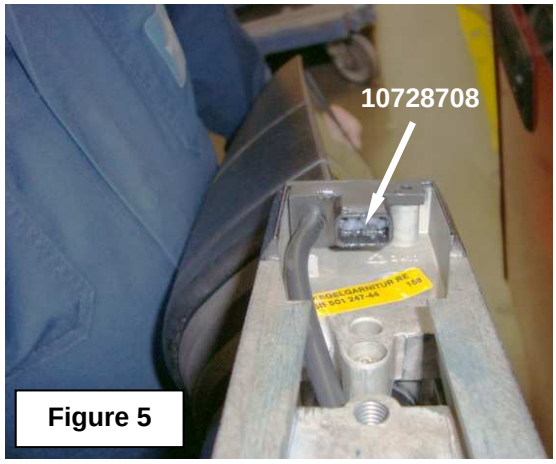

Figure 5

2) Observing the contact cleaner manufacturer's instructions, thoroughly clean the male and female terminals.
If the plug and/or jack terminals are damaged beyond repair, replace by parts VH 10562565 and VH 10728708 respectively.

3) Apply a small amount of dielectric grease VH 11112565 on the female terminals (mirror plug, Figure 5).

6. To install an external rearview mirror:

1) Note that the pads that have been attached to the mirror assembly and to the coach body respectively are dovetail mounting.
Carefully lower the mirror assembly onto the body mounting pad for a snug fit (Figure 6).

2) Secure the assembly by lightly tapping the upper part of the mirror mounting pad (Figure 7).


Figure 6

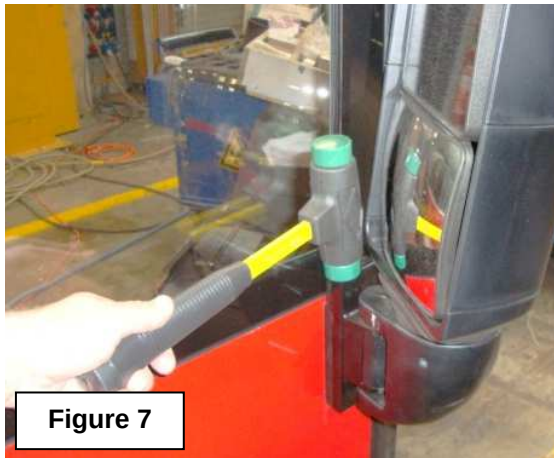
Figure 7

3) Check the rearview mirror operation. Adjust mirror position as required.

Procedure complete.

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 to and modifications of the technical information not yet included in the manual, are communicated by means of Technical Bulletins.
File the Technical Bulletins at the back of your manual, in numerical order.
To make sure that you will be reminded of the Bulletins that have appeared in the meantime while paging the manual, mark the pages concerned by hand with the Technical Bulletin number.

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