



SERVICE BULLETIN No.1150

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COACH MODEL	: C2045 w/ D-ELSA brakes
BULLETIN TYPE	: Service Information
MANUAL & SECTION	: Maintenance Manual: Chapter 8 - Suspension Spare Parts Manual: Section – 641105 Front axle suspension
MANUAL REVISION	: Yes
DATE	: September 8, 2004
SUBJECT	: Kneeling proximity switch- trigger bracket installation
TERMS & CONDITIONS	: Refer to the Parts and Products section in this Bulletin.

APPLICATION:

The revised air spring base plate and mounting bracket subject of this Bulletin has been cut into production as from following units:

Model	Engine	VIN
C2045	Cummins	45423 →
	Detroit Diesel	45877 →

DESCRIPTION:

1. Field experience has shown that there are service requirements for the bracket, which triggers the kneeling proximity switch and cuts the kneeling action, thus maintaining a residual pressure in the front axle bellows.
2. In some cases, this trigger bracket, which is located near the upper right hand wishbone, has been found bent and as a result could no longer properly perform its function.
3. Van Hool therefore recommend checking the air gap between the proximity switch and the trigger bracket every 12,000 miles (C-type service interval). This gap should not exceed 5/32 inch (4 mm) and the bracket position should be adjusted as required if out of spec.
4. As a product improvement Van Hool have revised the air spring base plate, which comprises the mounting bracket for the trigger. The new mounting bracket is sturdier and has been cut into production as from the units mentioned above.
5. For owners of coaches in the field, who wish to benefit from this product improvement, a gusset has been released, which bolts to existing air spring base plate/mounting bracket VH 10726161 and trigger VH 10726162.

Refer to the parts section and the procedure in this Bulletin for more information.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

PARTS AND PRODUCTS:

Old parts

Part No.	Description	Qty.
VH 10726161	Air spring base plate, includes trigger mounting bracket	1
VH 10726162	Kneeling sensor trigger	1

New parts

Part No.	Description	Qty.
VH 10799880	Air spring base plate, includes trigger mounting bracket, reinforced	1
VH 10726162	Kneeling sensor trigger	1

Field parts

Part No.	Description	Qty.
VH 10798355	Gusset, fits between VH 10726161 and VH 10726162	1
VH 10798354	Washer	1
VH 660226601	Bolt, M12x1.75x35 mm	1

- Parts VH 10726161 and VH 10799880 are interchangeable, but only VH 10799880 will be offered for service replacement.
- Field parts will be supplied free of charge upon customer's request.
- New parts may be purchased from your nearest ABC Customer Care & Parts Source dealership.
- Parts and products disposition: discard according to applicable environmental regulations.

PROCEDURE:

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

1. General:

- For your information only: the time required to install gusset VH 10798355 is approximately 0.25 hours.
- This job should be executed by a technician experienced in suspension system repair.

2. Special tools, equipment or services:

- No special tools, equipment or services are required.

3. Preparations:

- Park the coach on a level-surfaced service pit with the front wheels straight. Lower the suspension first. 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 install mounting bracket steady VH 10798355 (see Figure 1):

- 1) At the RH front upper wishbone, locate the kneeling proximity switch, the trigger and its mounting bracket.
- 2) With the front suspension lowered, check that the air gap between the trigger and the kneeling proximity switch is 5/32 inch (4 mm). Correct as necessary.
- 3) Undo and remove the rear most suspension cone mounting bolt.
- 4) Undo and remove the bolts, nuts and washers securing the trigger to the mounting bracket. Remove the trigger.
- 5) Install the trigger and gusset VH 10798355 as shown in Figure 1. Secure for a loose fit with the 6 mm bolts, nuts and washers.
- 6) Install washer VH 10798354 between the gusset and the suspension cone mounting flange.
- 7) Run-up bolt VH 660226601, which is 5 mm longer, to secure the steady, washer and suspension cone. Tighten to a torque of 45 to 60 ft.lbf.
- 8) Tighten the trigger to mounting bracket bolts to 80 in.lbf.
- 9) Re-check the air gap between the trigger and the kneeling proximity switch. Adjust to 5/32 inch (4 mm) if necessary by changing the trigger position.

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.

SERVICE INFORMATION:

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.

Figure 1: Gusset VH 10798355 installation

