



SERVICE BULLETIN No.1154

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COACH MODEL	: T2145 & C2045
BULLETIN TYPE	: Product Improvement
MANUAL & SECTION	: Maintenance Manual: Chapter 9 – Electrical system Spare Parts Manual: Section 715109 - Battery
PARTS BOOK REVISION	: Yes
DATE	: September 10, 2004
SUBJECT	: Battery disconnect switch
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

A manually operated battery disconnect switch has been cut into production as from following units:

Model	Engine	VIN
T2145	Cummins	44301 →
	Detroit Diesel	44620 →
C2045	Cummins	45458 →
	Detroit Diesel	46531 →

DESCRIPTION:

- A new, manually operated battery disconnect switch with safety bracket has been installed in the battery compartment.
- The purpose of the new switch is to allow:
 - service technicians to shut off the entire electrical system with the exception of the battery equalizer and,
 - long term storage of the coach with minimal draining of the batteries.

The safety bracket prevents the switch handle from being removed or lost.

- Refer to the procedure in this Bulletin for switch operating instructions.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

PARTS AND PRODUCTS:

New parts (see Figure 1 below)



Part No.	Description	Qty.
VH 660751103	Battery disconnect switch, manual, complete	1
VH 10903404	Safety bracket	1
VH 660222203	Bolt, M8 x 16 mm	2
VH 660625800	Flat washer	2
VH 660636400	Spring washer	2
VH 660203201	Nut, M8	2

- New parts will be included in the next Spare Parts Manual update.
- New parts will be made available through regular channels.
- Parts and products disposition: discard according to applicable environmental regulations.

PROCEDURE:

1. General:

- This job should be executed by a service technician or by the coach driver.

2. Special tools, equipment or services:

- No special tools, equipment or services are required.

3. Preparations:

- Park the coach on a level surface with the front wheels straight.

CAUTION: Observe safe shop practices at all times.

4. To operate the battery disconnect switch

- 1) Apply the parking brake and shut down the engine.
- 2) Switch off all systems and turn of the battery master switch.
- 3) Open the door giving access to the batteries and the air filter assembly.
Locate the battery disconnect switch which has been installed at the bottom of this

compartment on the left-hand side, next to the battery equalizer ground(see Figure 2).

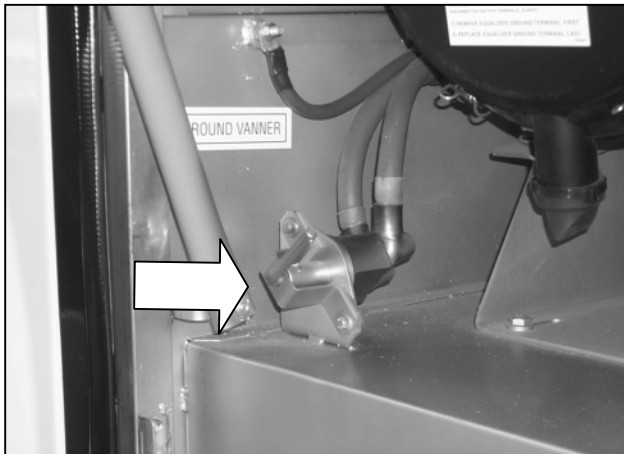


Figure 2: C2045 battery disconnect switch

CAUTION: When switching off the batteries for longer periods of time, electronic equipment data such as time, radio programming and so on may be lost.

- 3) To disconnect the batteries, turn the switch lever to the left (see Figure 3). There is no need to remove the lever from the switch.
- 4) To reconnect the batteries, turn the switch lever to the right (see Figure 3).

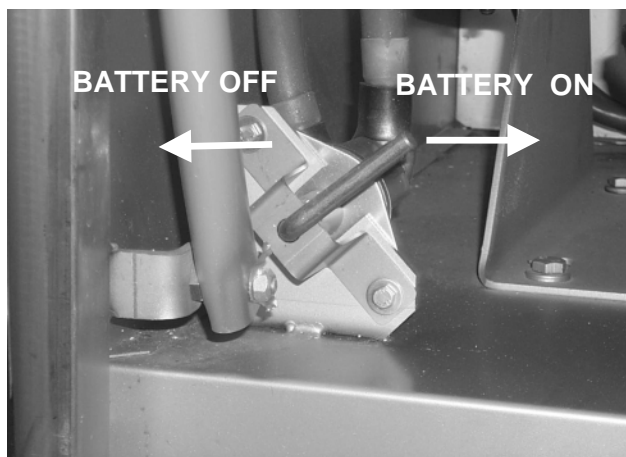


Figure 3: C2045 battery disconnect switch ON and OFF positions

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.