



SERVICE BULLETIN

SB1203

ADDRESSEES	: Owners and Operators of C- coaches with wheelchair lift
COACH/BUS MODEL	: C2045
BULLETIN TYPE	: Product Improvement
SECTION/CHAPTER	: Section 9 – Electrical system Chapter 10.74 – Boarding aids
DATE	: March 12, 2007
SUBJECT	: Lift door proximity switch - installation
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

The product improvement subject of this Bulletin has been cut into production as from following units:

Model	Engine	VIN
C2045	Cummins	46050 →
	Detroit Diesel	46681 →
	Caterpillar	47184 →

DESCRIPTION, PARTS AND PRODUCTS:

The upper and lower lift door proximity switches control the operation of the lift interlock system. This Bulletin informs of the parts and hardware pertaining to the installation of these switches.

Description upper door:

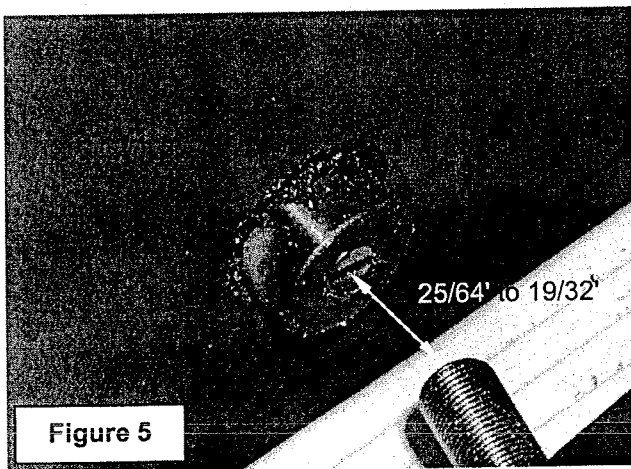
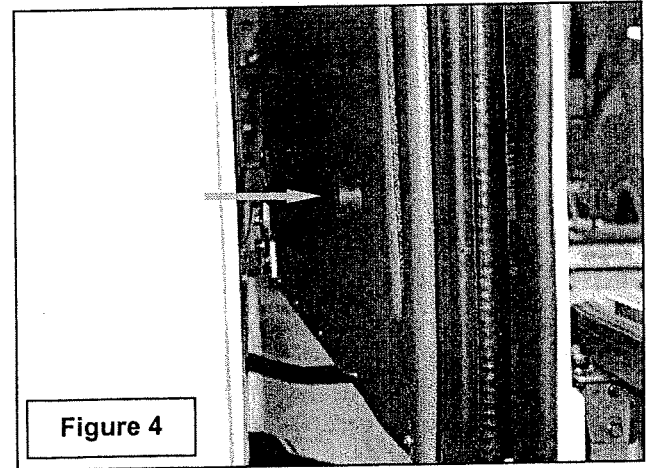
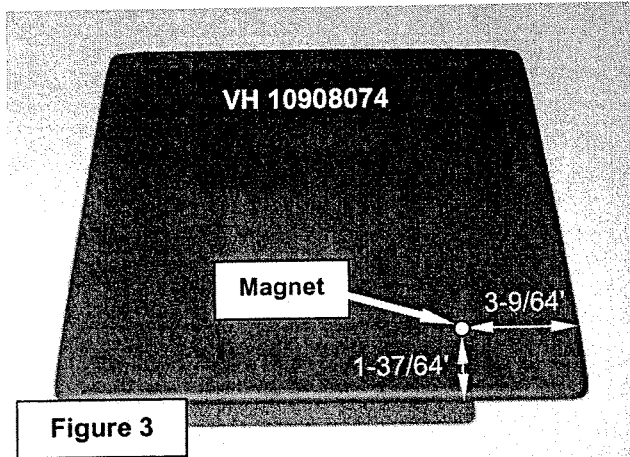
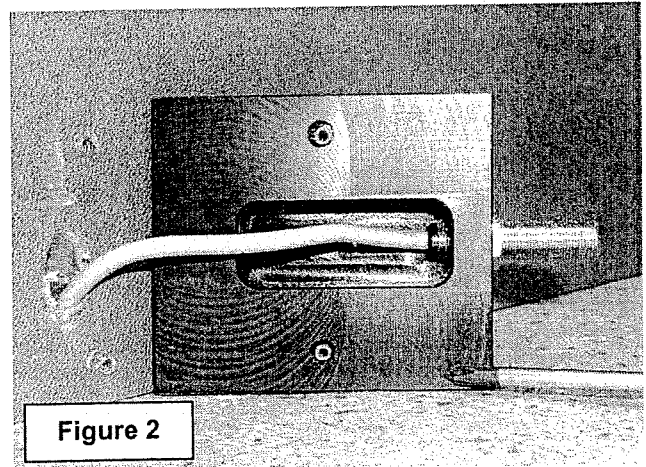
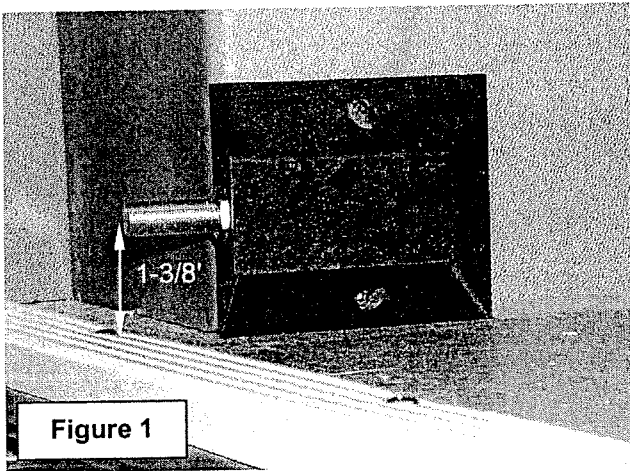
1. Reed switch VH 10720430 with associated wiring is installed into plastic housing VH 10965060. The length of the switch can be altered by screwing it in or out of the housing. A threaded opening in the housing has been provided for this purpose. Once the desired length has been achieved, the switch body is locked in the housing with a nut. The assembly attaches with self-tapping screws to the lavatory wall kick panel (see Figures 1 and 2, overleaf).
2. Opposite the reed switch assembly, trigger magnet VH 10720431 is attached to the door card. It secures to the door operating mechanism access panel by means of hardware (see parts list) and adhesive VH 10706598 (see Figures 3, 4 and 5).

NOTE: To ensure reliable operation, the air gap between the reed switch and the magnet should be between 25/64 and 19/32 inch (10 to 15 mm – see Figure 5).

Continued on next page.

Parts and products upper door:

VH reference	Description	Qty.	Refer to
VH 10720431	Magnet	1	Figures 3, 4, and 5
VH 10528455	Adhesive, Sikaflex 252, black	#	
VH 660280808	Screw, M4: 4 x 0.7 x 16 mm, DIN963, stainless	1	
VH 660621205	Washer, M4: 4.3 x 12 x 1 mm, DIN9021, stainless	1	
VH 10641500	Nut, self-locking, M4, DIN 980, stainless	1	
VH 10720430	Switch, proximity, reed contact magnetic, includes wiring and mounting/adjusting nuts	1	Figures 1, 2, and 5
VH 10965060	Housing, for VH 10720430	1	
VH 660274705	Screw, countersunk self-tapping	2	Figure 1

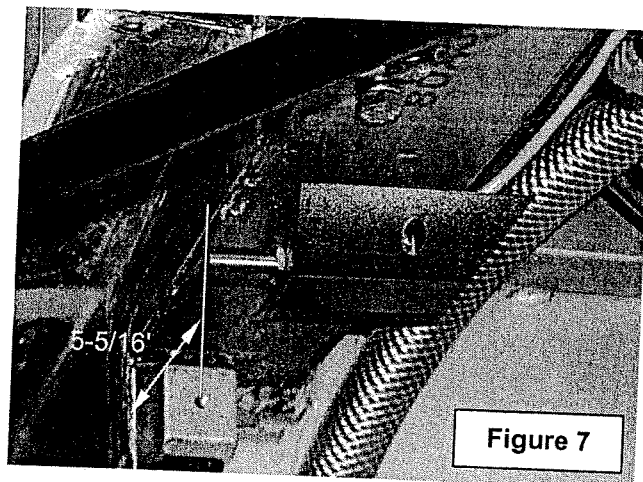
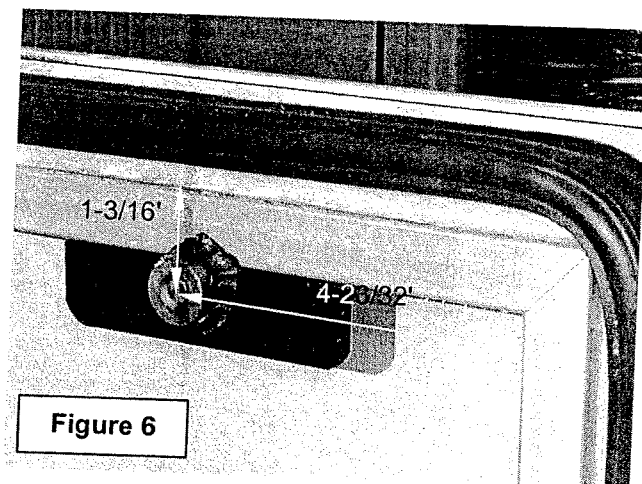


Description lower door

1. In the lift compartment, the reed switch assembly is secured to the upper channel by two self-tapping screws. The center of the switch is placed 5-5/16 inch (135 mm) away from the edge of the post (see Figure 7). The length of the reed switch is adjusted to obtain a switch to magnet clearance between 25/64 and 19/32 inch (10 to 15 mm).
2. The magnet triggering the switch is placed opposite the switch assembly. It is attached to bracket VH 90605609, which secures to the upper door channel by means of rivets. The magnet itself secures to the bracket by means of hardware (see parts list) and adhesive VH 10706598 (see Figure 6).

Parts and products lower door

VH reference	Description	Qty.	Refer to
VH 10720431	Magnet	1	Figure 6
VH 90605609	Bracket, magnet mounting	1	
VH 660611600	Rivet, 4 x 14 mm	2	
VH 10528455	Adhesive, Sikaflex 252, black	#	
VH 660280808	Screw, M4: 4 x 0.7 x 16 mm, DIN963, stainless	1	
VH 10641500	Nut, self-locking, M4, DIN 980, stainless	2	
VH 10720430	Switch, proximity, reed contact magnetic, includes wiring and mounting/adjusting nuts	1	Figure 7
VH 10965060	Housing, for VH 10720430	1	
VH 660274705	Screw, countersunk self-tapping	2	



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

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.

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