



SERVICE BULLETIN No.1128

Circulate to listed addressees

COACH MODEL	: T2145 and C2045
BULLETIN TYPE	: Field Change Program
MANUAL & SECTION	: Operator's Guide Book: Section 2 – Operating Instructions Spare Parts Manual: N/A
PARTS BOOK REVISION	: No
DATE	: April 29, 2005
SUBJECT	: ADA platform lift interlock – system update
TERMS & CONDITIONS	: Refer to the Warranty Information in this Bulletin.

APPLICATION:

The new platform lift interlock system subject of this Bulletin has been cut into production as from following units:

Model	Engine	VIN
T2145	Cummins	44300 →
	Detroit Diesel	44610 →
C2045	Cummins	45441 →
	Detroit Diesel	45930 → 45934; 45954 →

DESCRIPTION:

In order to comply with the new 2004 regulations regarding the operating conditions of the ADA platform lift, the interlock system of the above-mentioned coach models has been changed. In addition to the already existing safety features installed on these vehicles, following safety enhancements have been added to the interlock system:

1. The lift operating system can be engaged ONLY when the transmission is in neutral (N).
2. With the lift operating system engaged, it will NOT be possible to engage any gear, because the transmission selector pad has been deactivated.
3. The parking brake warning lamp remains 'on' as long as the lift system and the door brake are activated.
4. The color of the "lift power" warning lamp has been changed to red.

A retrofit procedure for coaches in the field has been provided further in this Bulletin.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

PARTS AND PRODUCTS:

New parts

- Order one kit VH 10887256 for one coach to modify. The kit is suited for all models and contains the following parts:

Part No.	Description	Qty.
VH 660752042	Relay	3
VH 660768808	Receptacle for VH 660752042	3
VH 10859688	Terminal for VH 660768808	12
VH 660792544	Lift power 'on' lens, red	1
VH 660766316	J - (female) contact, for 9-pin plug	#
VH 10542245	Automotive electric wire, yellow-red, 16 AWG	8 ft
VH 10542313	Automotive electric wire, violet, 16 AWG	8 ft
VH 10542204	Automotive electric wire, blue-red, 16 AWG	8 ft
VH 10542194	Automotive electric wire, blue-gray, 16 AWG	8 ft
VH 10542237	Automotive electric wire, yellow, 16 AWG	8 ft
VH 10707236	Automotive electric wire, brown, 16 AWG	8 ft
VH 10707340	Automotive electric wire, white-blue, 16 AWG	8 ft
VH 10707283	Automotive electric wire, gray-yellow, 16 AWG	8 ft
VH 10707292	Automotive electric wire, gray-white, 16 AWG	8 ft

- Parts may be obtained from your nearest ABC Customer Care & Parts Source dealership. Refer to the Warranty Information in this Bulletin for terms and conditions.
- Parts and products disposition: discard according to applicable environmental regulations.

PROCEDURE:

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

1. General:

- The time required to convert the lift interlock system on your coach has been established at 1.5 hours.
- This job should be executed by an experienced automotive electrician, familiar with the Van Hool electrical wiring diagrams.
He/she should be capable of determining the hook-up points on your particular coach, based on the information provided by the C2045 wiring diagrams, which have been included with this Bulletin (Attachments 1 through 4):
 1. Attachment 1 shows how added relay RL519 must be triggered by the "Gear Selector Neutral" signal coming from the transmission, before the lift operating system can be activated. Also shown is the wire, which needs to be installed to activate relay RL53.2.
 2. Attachment 2 shows how a relay RL53.2 can be installed for the parking brake warning lamp to remain 'on' as long as the lift system and the door brake are activated.
 3. Attachments 3 and 4 show how additional relay RL42.4 cuts-out the gear selector pad, once the lift operating system has been activated.

The supplemental wiring has been marked gray on the diagrams.

- After the conversion has been made, the lift power 'on' lens should be replaced by a red one to indicate that the coach lift system is rewired to the latest spec.

- For more information on your coach's wiring, refer to the Electrical Wiring Diagram Booklet, which has been supplied with the vehicle.

2. **Special tools, equipment or services:**

- This conversion requires the use of a crimping tool.

3. **Preparations:**

- Park the coach on a level-surfaced service pit 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 installation guidelines below before beginning to work.

CAUTION: Observe safe shop practices at all times.

4. **Installation guidelines:**

- 1) All wiring changes should be made in the main junction box.
- 2) Install the relays in vacant mounting holes of the relay rack, or on the basic electrics switch board.
- 3) Make all connections through plugs or receptacles. Soldering is not recommended.
- 4) Use properly color coded automotive wire for the conversion.
- 5) Install all additional wiring in the junction box cable ducts.
- 6) For future reference, note your particular conversion on the appropriate schematics in the Electrical Wiring Diagram Booklet , which has been supplied with the vehicle.

Procedure complete.

DISCLAIMER:

The installation guidelines contained herein are not exclusive. Van Hool cannot possibly know, evaluate, or advise the transportation industry of all conceivable ways in which the installation may be undertaken or of the possible consequences of each such installation. Other installations may be as good, or better, depending upon the particular circumstances involved.

Each carrier who uses the installation guidelines 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 installation 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.

WARRANTY INFORMATION:

1. Claim references:

- Causal part: N/A
- Job code: L53509N

2. Terms and conditions:

Van Hool will accept warranty claims for this repair as follows:

Parts:

- Supply: parts may be obtained from your nearest ABC Customer Care & Parts Source dealership.
- Disposition: discard parts according to applicable environmental regulations.

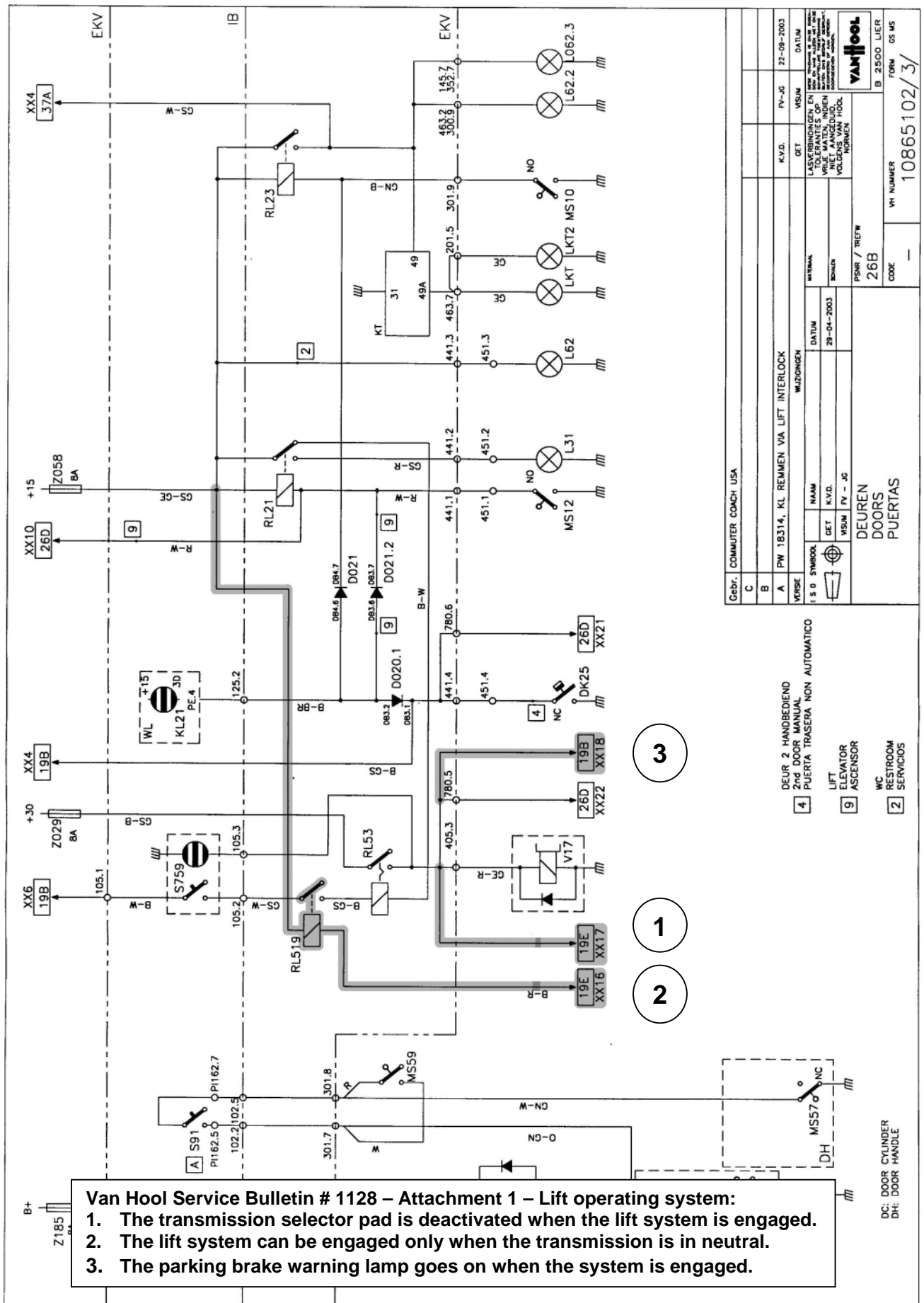
Labor allocation: 1.5 hours of labor will be awarded.

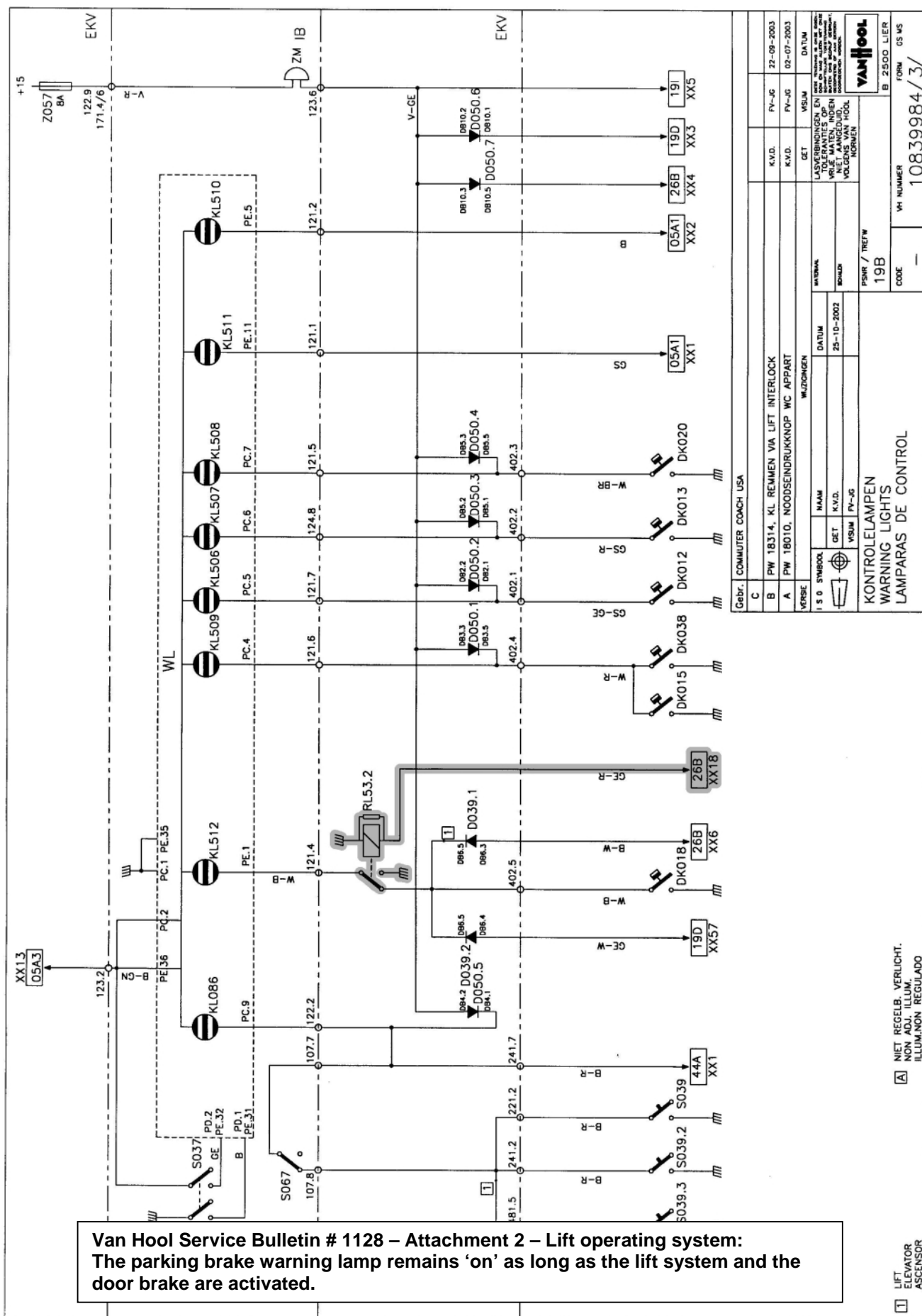
Conversion expiration date: Service Bulletin issue date + 6 months.

Claim submission: Contact ABC Customer Care & Parts Source for guidance.

3. Units eligible for the Field Change Program covered by this Bulletin:

Model	Engine	VIN
T900	-	28597, 29485 → 29486, 29488
T2145	Cummins	44111, 44252
	Detroit Diesel	43964, 44567
C2045	Cummins	45202, 45219, 45251 → 45252, 45255, 45301 → 45305, 45308, 45318, 45325 → 45341
	Detroit Diesel	45647, 45672 → 45675, 45683 → 45684, 45713, 45716, 45768, 45771, 45777 → 45779, 45797, 45811, 45935 → 45953





Gebr. COMMUTER COACH USA		K.V.D.		22-09-2003
C	B	PW 18314, KL REMMEN VIA LIFT INTERLOCK	PV-JG	
A		PW 18010, NOODSEINDRUKKOP WC APPART	PV-JG	02-07-2003
VERSE		WAZOINGEN		DATUM
ISO	SYMBOL	NAAM	DATUM	
		GET	K.V.D.	25-10-2002
		VSUM	PV-JG	
LASVERBINDINGEN EN TOLERANTIES OP VOLGENS VAN HOOI NUTTEN				
NUTTEN				
KONTOLELAMPEN WARNING LIGHTS LAMPARAS DE CONTROL				
P/NR / TREFW		19B		
CODE		—		
VRIJ NUMMER		10839984/3/		
FORM		05 45		

A NIET REGELB. VERLICHT.
NON ADJ. ILLUM.
ILLUM. NON REGULADO

LIFT
ELEVATOR
ASCENSOR

