



Service Bulletin No.1031

MODEL	: T2100 Series
TYPE	: Service information
MANUAL & SECTION	: Operator's Guide Book: Section 2B - Driving instructions Section 2C - Emergency conditions Spare Parts Manual: Section 730709 - Doors: accessories
DATE	: January 31st, 2000
SUBJECT	: Operation of T2100 door handles and locks
CONDITIONS	: Service information only.

DESCRIPTION:

Developments in the field have indicated the need to review and supplement the T2100 Series' operating instructions regarding door handles and locks. The operating procedures in this Bulletin will aid operators and service personnel to properly lock/unlock and open/close the various doors of T2100 coaches.

PARTS

Always use genuine maintenance products and parts. Do not accept imitations!

Part No.	Description	Qty.
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Refer to the service information further in this Bulletin.

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.

OPERATING INSTRUCTIONS:

!!! CAUTION!!!

READ FULL INSTRUCTIONS BEFORE OPERATING THE DOORS.

A. ENTRANCE DOOR

!!! CAUTION!!!

ALWAYS SET PARKING BRAKE BEFORE EMBARKING/DISEMBARKING PASSENGERS.

NOTE

The air pressure in the auxiliary tank must be at least 45 psi before the entrance door can be opened/closed pneumatically.

1. To operate the entrance door from the inside

The air-operated entrance door is controlled by a push-button switch on the right hand side control panel (see Figure 1).

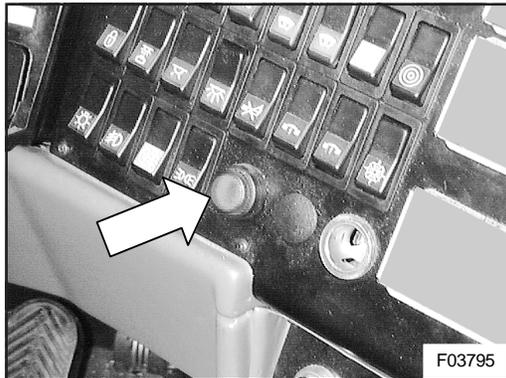


Figure 1: Location of entrance door push-button switch on right hand side control panel

NOTE

It is not possible to open/close the entrance door from the control panel with the door locked

• To open the entrance door:

Turn master switch and ignition "on" to activate the multifunction display.

Press the push-button switch on the control panel briefly.

The door symbol  appears on the multifunction display.

- **To close the entrance door:**

Press the push-button switch again.

The door symbol on the multifunction display disappears as soon as the entrance door is closed.

2. To operate the entrance door from the outside

When unlocked, the entrance door can be opened from the outside by pressing the push-button switch shown in Figure 2. To close the door, press push-button switch again.

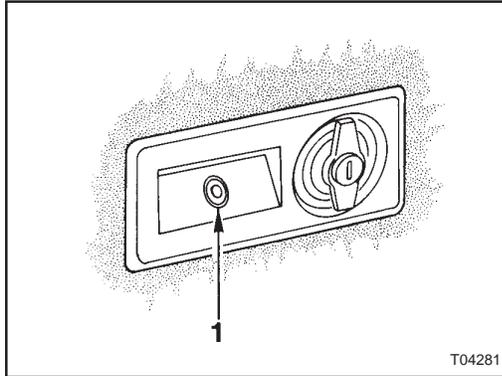


Figure 2: Outside handle of entrance door with open/close push-button switch (1)

3. Automatic reopening

The entrance door reopens automatically when an object in the doorway prevents it from closing completely. The door will remain open until closed again with the push-button switch on the control panel.

4. To open the entrance door in an emergency

The entrance door actuating cylinder can be depressurized by emergency release handles (see Figure 3) on the inside (in the stepwell) and outside (in the front bumper) of the coach, allowing the door leaf to be pushed or pulled open manually.

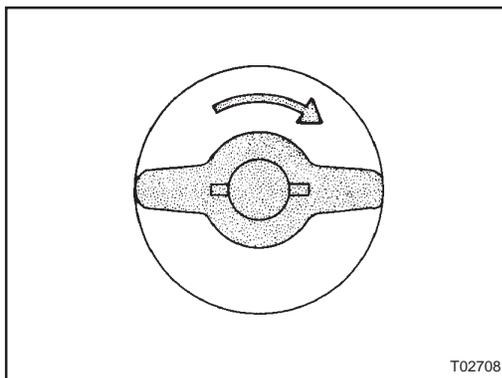


Figure 3: Entrance door emergency release handle

Turn the handle in the direction of the arrow to release the pressure. The handle must be returned to its initial position before the door will operate automatically again.

In case of electrical failure, the entrance door can be opened/closed by means of the push-button switch located in the stepwell area. The switch is covered with a rubber boot (see Figure 4).

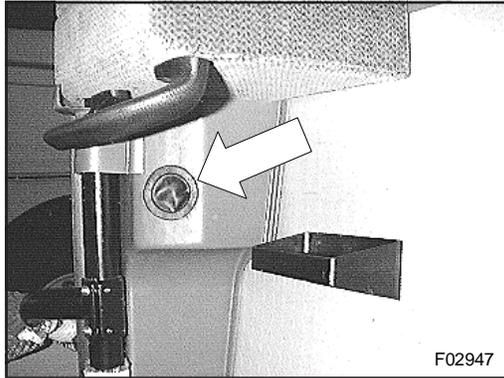


Figure 4:Location of pneumatic emergency switch, below driver's personal cabinet in stepwell

!!! CAUTION!!!

**WHEN OPERATING THE ENTRANCE DOOR VALVE MANUALLY,
THE AUTOMATIC REOPENING FEATURE IS DISABLED.**

5. To lock entrance door from the inside

The entrance door can be locked from the inside by turning the knob on the interior door panel (see Figure 5) a quarter turn clockwise. Make sure the door is fully closed before locking it.

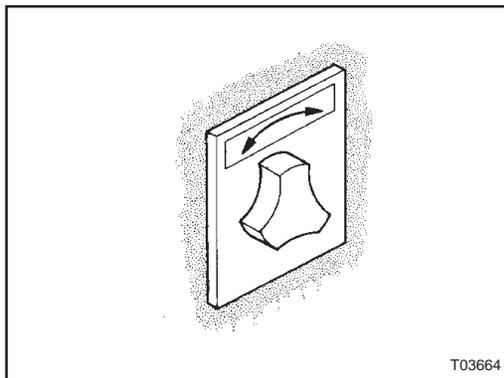


Figure 5:Rotary knob to lock entrance door from inside the coach

6. To lock/unlock entrance door from the outside

The entrance door can also be locked from the outside. First pull and rotate the keyhole cover out of the way. Insert the key into lock (1, Figure 6) and turn the key a quarter turn to the right (in this position you cannot remove the key). Then, turn black handle (2, Figure 6) a quarter turn to the left to lock the door. Return the key a quarter turn to the left and remove the key. The door is now locked.

To unlock: insert the key into the lock and turn the key a quarter turn to the right. Turn black handle a quarter turn to the right. Turn the key a quarter turn to the left and remove it. The door is unlocked again.

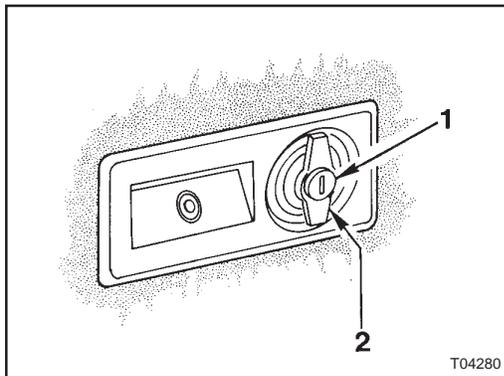


Figure 6: Outside handle of entrance door with lock (1) and rotary handle to lock/unlock (2)

B. LUGGAGE COMPARTMENT DOORS

1. To lock/unlock, open and close luggage compartment doors

NOTE

This procedure applies also to the service doors of the engine, the HVAC compressor, the combustion heater and so on.

The luggage compartment doors can be locked/unlocked using the exterior compartment key. Lift up the protective cover to gain access to the lock. Insert the key and turn it clockwise one quarter turn to unlock or one quarter turn counterclockwise to lock the door. To open the door, pull up the door handle to release the latch, then pull the door open in a steady fashion. A sudden sharp pull may damage the handle. Pressurized cylinders assist the opening and closing of the doors and hold the doors open.

!!! CAUTION!!!

KEEP HANDS CLEAR OF DOOR EDGE AND DOOR FRAME WHEN CLOSING, TO AVOID INJURY.

DO NOT RUN THE ENGINE WITH THE COMPARTMENT DOOR OPEN. CLOSE THE ENGINE COMPARTMENT DOOR BEFORE STARTING THE ENGINE.

2. Luggage compartment door central locking system

The luggage compartment doors can be locked/unlocked from the driver's seat by an optional air operated central locking system.
As long as the parking brake is released, the luggage compartment doors are locked. To unlock the doors, set the parking brake and press the handle of the pneumatic push-pull valve on the central control panel.

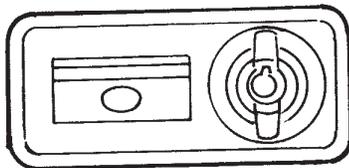
NOTE

To prevent theft, always lock the luggage compartment doors before leaving the coach unattended.

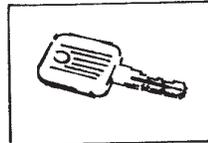
Operating instructions complete.

SERVICE INFORMATION:

1. Each coach has its individual locks and keys. When ordering these parts, it is imperative to either state the vehicle identification number (VIN) or the key code of the unit in order to obtain locks and keys that are identical to the ones fitted on the coach.
2. Following parts are available for service replacement:



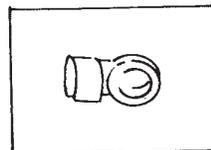
Entrance door handle, lock and key, complete
State VIN or key code



Key, separate
State VIN or key code



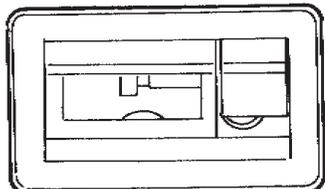
Keyhole cover
VH 10685002



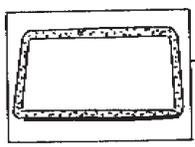
Linkage
VH 10652072

T05155

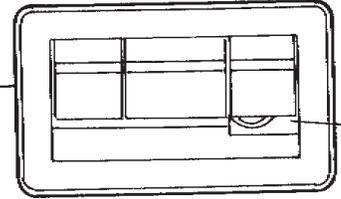
Luggage compartment door handle,
lock and key, complete



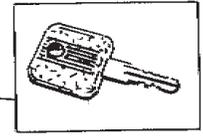
Open lever: *state VIN or keycode*



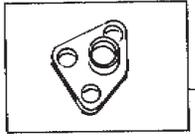
Seal
VH 10678821



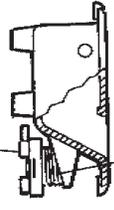
Plain lever: *state VIN or keycode*



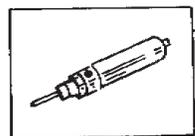
Key, separate
State VIN or key code



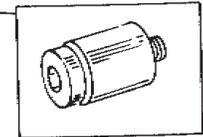
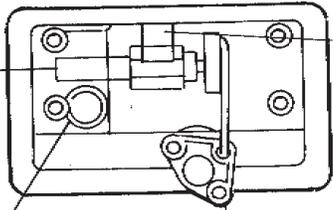
Cam
VH 10678817



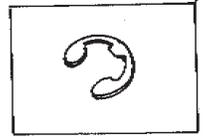
Cam spring
VH10678819



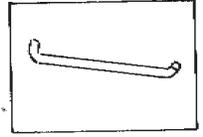
Pneumatic bolt
VH 10646921



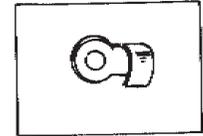
Pneumatic fitting
VH 10646922



Snapring
VH 10684998



Connecting rod
VH 10685001



Linkage
VH 10652072

T05156

NOTE : Assemblies are shown as supplied

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