

IVECO DAILY

VELDO AUTOMATIC SLIDING DOOR AND STEP SYSTEMS













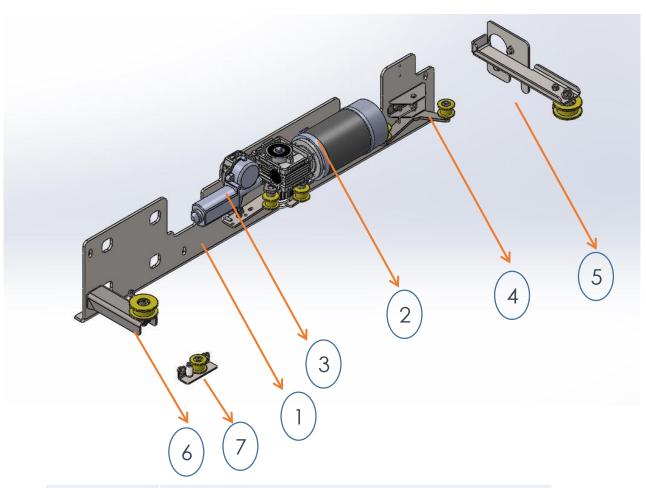


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CONTENTS

•	Main parts of door system 3 - 6
•	Security systems of door system 6 – 7
•	Working types of door system 7
•	Installation of door system 8 – 16
•	Electrical diagram of door system17 – 18
•	Working and control of door system19 - 22
•	Maintenance of door system22
•	Warranty conditions of door system22 - 23
•	Fault diagnosis of door system24



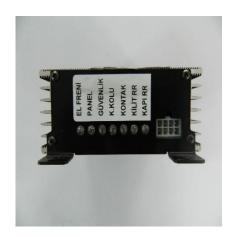


NO	DESCRIPTION OF PART
1	DOOR SYSTEM CHASSIS
2	ENGINE (MOTOR) GROUP
3	GRASP GROUP
4	BELT TURNBUCKLE GROUP
5	FRONT FOOT
6	REAR FOOT
7	UNDER STEP ROUTING FOOT



Control Unit and RF Module



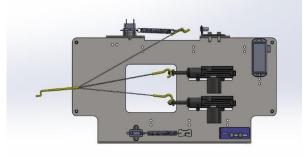




Electric Wiring: It provide movement and signal control of door.

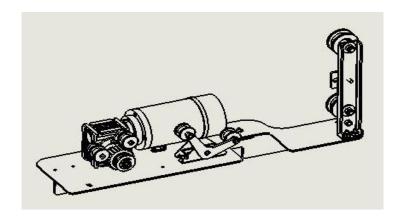


Door inner electric wiring: It allows less force to be expended to bring the automatic door from the open position to the closed position



Unbolting system: It is the mechanism that allows the door lock to be opened automatically without any changes to the original locking mechanism of the vehicle door.

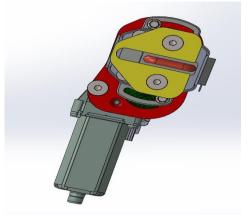




Door actuating mechanism: It is the part that contains the system units and is placed under the automatic door on the vehicle chassis.



Engine (motor) group



Lock pulling system: This allows less force to be expended to move the automatic door from the open position to the closed position.



Cable sheaves: Cable sheaves absorb the belt looseness that occurs during sudden changes in direction of the automatic door.

Movement pulley: Allows you to complete the motion in a frictionless manner by determining the direction of motion.





Encoder: It allows automatic position information of the door to be transferred to the control unit and distance adjustment can be made.

SECURITY SYSTEMS OF AUTOMATIC DOOR



Security Wick: Allows manual opening of the door from the outside in emergency situations.

Over current control: It is the security system that is activated if the safety fuse is excluded.

User controlled security system: When the door is automatically closed, the door automatically opens when the user commands from the front panel button or the door opening lever.



SECURITY SYSTEMS OF AUTOMATIC DOOR

Audible and light warning system: If the automatic door opens when the vehicle is moving or standing, if the door is opened from the inside opening arm; the user is audibly alerted.

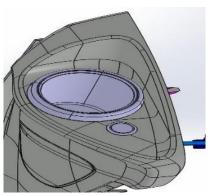
In the form of an audible warning in short tones during closing, there is an intermittent audible warning in long tones during opening. When the door is opened and closed, the control unit sounds an audible warning. The user is warned by the light in the front panel button when the door is open.

Speed-controlled safety system: When the vehicle is moving when the vehicle speed is above a certain limit (5 km / h) and the door is not open, and the door is open; it automatically closes when

a certain speed limit (5km / h) is exceeded. Also, if the sliding door is attempted to open manually from the inside when the vehicle is moving, the system prevents the door from opening.

In case of accident or emergency: In an emergency, the car door can be opened manually from the original door opening arms inside and outside.

WORKING WAYS OF VELDO AUTOMATIC DOOR SYSTEM



1 - With the on / off button mounted on the front chest



2 – With door handle of door system



3 - With the original command of the vehicle







For the installation of the under step routing foot, the cutting process is done as shown in the figure.



The installation of the under step routing foot under is as follows.









For the front foot connection and for the passage of the system belt, the areas shown in the picture are cut with the air saw.



In the original rail system of the vehicle, the area shown in the figure is cut by an air saw.



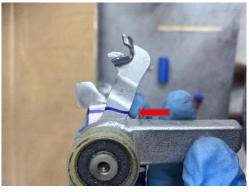
The cut of the original rail system of the vehicle is as seen in the figure.







The original lower routing foot of the vehicle is dismantled.



The original lower routing foot of the vehicle is cut off from the area specified in the figure.



The original lower routing foot of the vehicle is cut off as in the figure.







The installation of the inner step routing foot under the steps and the transition direction of the system belt are as follows.



The installation of the rear foot and the transition direction of the belt system are as seen in the figure.





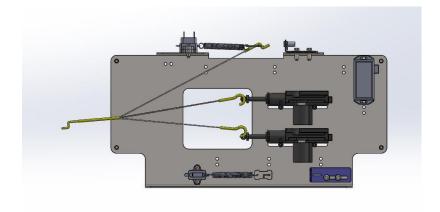




The unlocking mechanism connection is made as shown in the figure.







The unbolting mechanism is installed as follows.





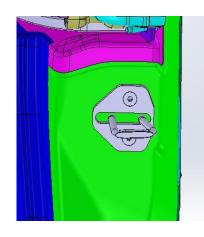
It is drilled through its corners to make cuts with the air saw.



Later it is cut from drawn places.

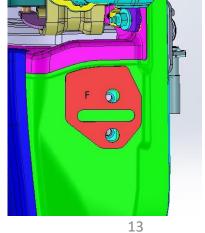


Centering is done according to the original equivalent for the lock puller mechanism.





It is marked with the opposite sheet as shown in the figure.







Marking is like the picture.



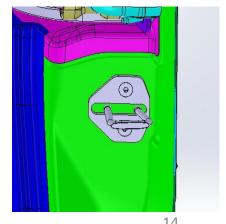
It is drilled from corners with a 10 mm drill.



The cut is done as in the figure.



The assembly of the lock puller mechanism is as shown in the picture.











B pole switch connections







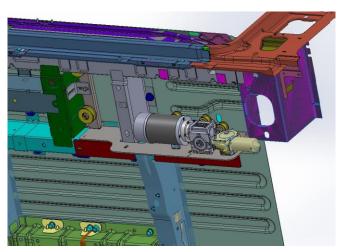


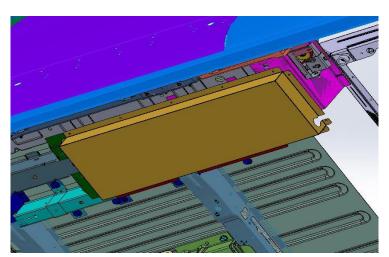
The chassis mounted to the vehicle is as follows.





Finally, the installation of the protecting cover is as follows.





Initial working status: Control unit is connect to facilities and when the insurance is installed and the first energy is supplied;

- -The remote control of the car is activated by pressing the central locking buttons, then the central locking button is activated and the remote control is activated.
- The door is manually opened. When the panel button is held pressed and the short buzzer starts to be heard, the open command from the control panel is given and the panel button is released. In this case, the door first goes to the closing direction, then to the opening direction and finally the door closes completely, The buzzer 2 identifies the encoder by giving a short beep.
- In this position, the buzzer is constantly bouncing and waiting for commands. Door closes after command. All the lights on the control unit are turned off and the buzzer is muted.

General Work:

When the door is opened

- The lock catcher gives out the door.
- Unlocking engine unlocks the door by tapping the unlocking wire.
- The door starts to open the engine door, during this operation the buzzer will be tugged in long tones to indicate that the door has been opened.
- Opening is as much as the taught opening, the door system measures this distance with the encoder

General Working:

When the door is closed

- The door starts closing the engine door, during which time the buzzer alerts you that the door is closing in short tones.
- When the door is completely the buzzer finishes the hoisting operation,
- The lock pull mechanism pulls the door in.

Door operation settings: The part where the control settings of the control unit are made. These settings are made when the ignition is switched off. These settings are; **1- Door distance adjustment:**

- The door opens manually to the desired distance, the buzzer is uninterrupted and continuously bounces.
- Press and hold the panel button, is entered into the learning mode (the situation where the buzzer is intermittently interrupted) without leaving the panel knob.
- The door learns the encoder direction by first going to the closing direction and then to the opening direction.
- After this process, the door goes back to the closing direction and closes the door completely.
- The locking catch pulls the door, the buzzer shuts the long probe twice, so the door distance is taught.

Door operation settings: It is the part where the operation settings of the control unit are made. These settings are made when the ignition is switched off. These settings are;

2- Doorhandle Activation:

- Press and hold the panel button to enter the learning mode.
- The panel button will be depressed as long as the buzzer is cut off it will not be left until it is cut.
- After a while the buzzer is shut up
- Once the long end has been activated, the outer door handle becomes activated
- If the shorter probe bites twice, the outer door arm becomes passive.

Security:

1- When the door is opened:

- If there is an obstacle in the opening direction, the door stops with overcurrent.
- During the opening process, it is expected that the door will be closed again with the panel button or the control.

2- In case of emergency:

- If the vehicle speed is below 20km and the central locks are closed then if the vehicle speed falls below 5km and the ignition is open, the door lock is opened if the outer door is pulled, The door can be opened manually with the internal emergency arm.) In this case, the buzzer is constantly bouncing.
- * These features are optional.

- **3- When the door is closed:** If one of the following events occurs, the door stops and reopens.
- If a jamming door in the closing direction detects excessive current,
- If there is a impact in the safety wick while the door is closed
- If the door is pulled out while the door is closed
- If the panel button is pressed while the door is closed
- If the control is pressed while the door is closed

On-off commands:

1- Close commands:

- If the vehicle is moving and the vehicle speed is 5 km or more and the door is attempted to be opened from the inside, it closes immediately without allowing manual opening.
- If the door is opened automatically, if the vehicle is started and the handbrake is lowered, the door goes to the close and even if the open commands are given in this position, the door is not opened, it is notified in short tones by voice warning.
- The door is open and the car speed is 5 km and automatically switches off regardless of how it is opened or in which position it is.
- When the door is open and the vehicle speed is less than 5 km, the parking brake is activated when the handbrake is applied or the ignition is off. The door automatically closes when the control is active.

2- Open commands

When the door is closed and the vehicle speed is below 5 km, the handbrake is applied or the ignition is switched off automatically when the panel switch and the control are active.

ATTENDANCE OF DOOR SYSTEM

- Automatic Automatic door and step systems must be maintained <u>once a year</u>.
- System General Checks are done.
- The system belt changes.
- The unlocking pattern changes.

NOTE: Uncared products will be evaluated outside the scope of the Guarantee.

TERMS OF GUARANTEE OF DOOR SYSTEM

The terms of the warranty are part of the purchase agreement between the Veldo authorized dealer and the customer. The customer accepts the warranty terms by signature. Veldo guarantee certificate is given to the customer during delivery of the vehicle. The customer is required to present this document in order to be able to process the warranty. All of the automatic door / step including the parts are guaranteed for 2 years. The start of the guarantee is the delivery date of the Product Assembly or Customer.

DISCLAIMER OF WARRANTY TERMS

- Maintenance and repair of the automatic door / step must be carried out on time, regularly, by the appropriate technical knowledge and competent services and in accordance with the periodic maintenance and repair procedures.
- Failure to follow the instructions in the user manual.
- Automatic door / step; is used under improper conditions or under overload except for the purpose,
- If an original or non-equivalent part is attached to the automatic door / step, or if a change has been made by the manufacturer which is not technically approved,
- If the need for repairs in the purchased item is not reported in time,
- In spite of the warning made by the service, if the vehicle owner or the user has not provided the opportunity to repair it
- Defects due to use at high temperatures from extremely dusty, damp, (+ 80), (- 30)
 degrees
- Failures caused by natural disasters such as flood, fire, earthquake etc.
- The depreciation and abrasion of the parts which are the result of normal use and the nature of the material is not guaranteed. Examples of these pieces that have been subjected to abrasion include system belt, unlocking tines and rollers. However, parts are guaranteed if the material, workmanship and assembly error, that is, the fabrication error, are detected in these parts. If there are any changes or modifications to the product, the warranty does not apply in case of malfunctions.
- Faults caused by insect or animal damage to the product or damage to the product cables.

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