

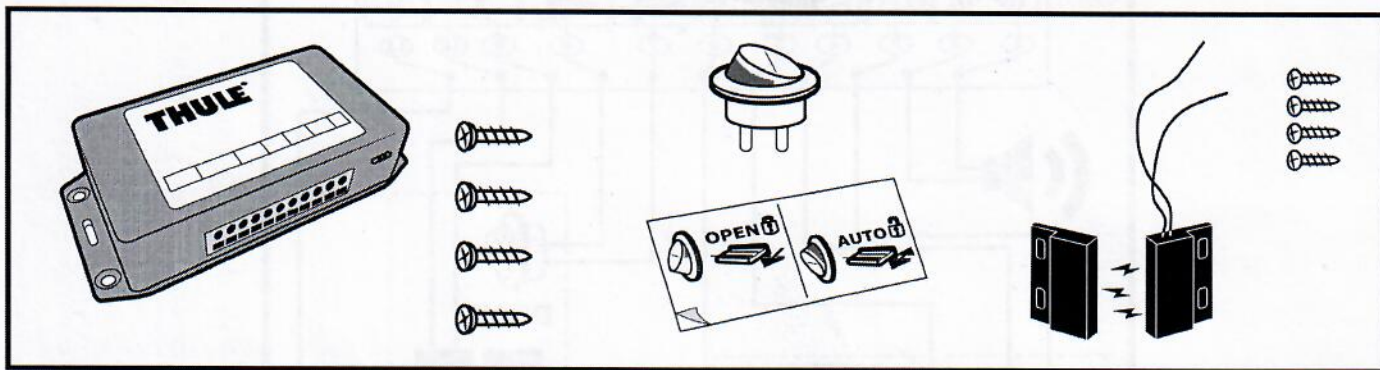
THULE OMNI-STEP Optional Electronic Set



Prod.nr. 308 812

OS 904-08

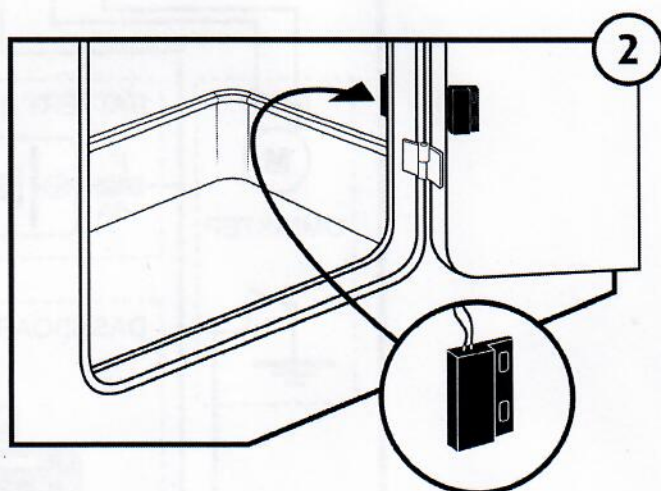
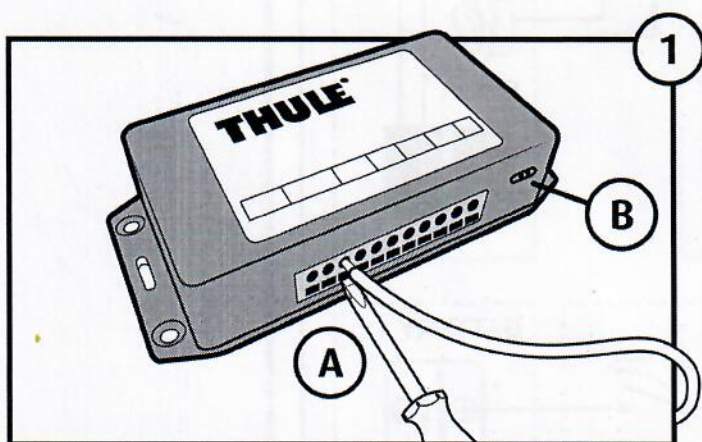
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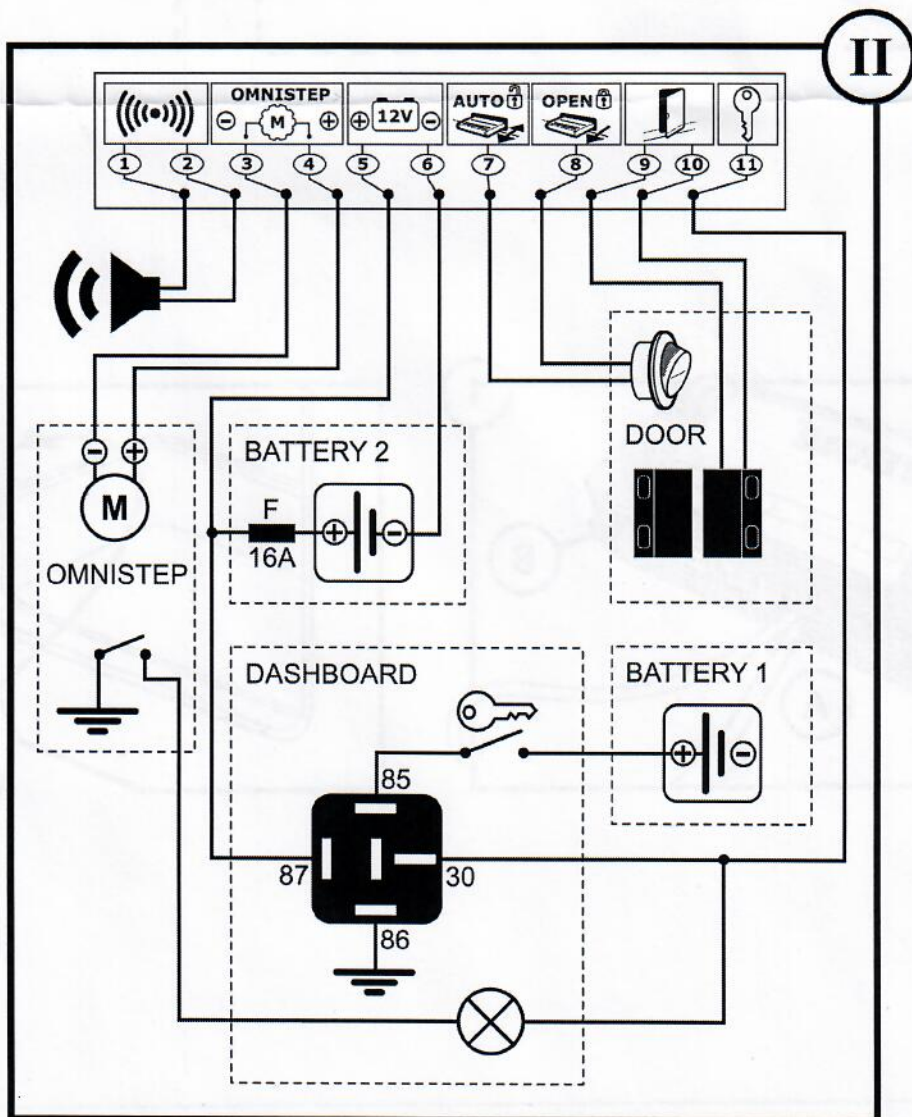
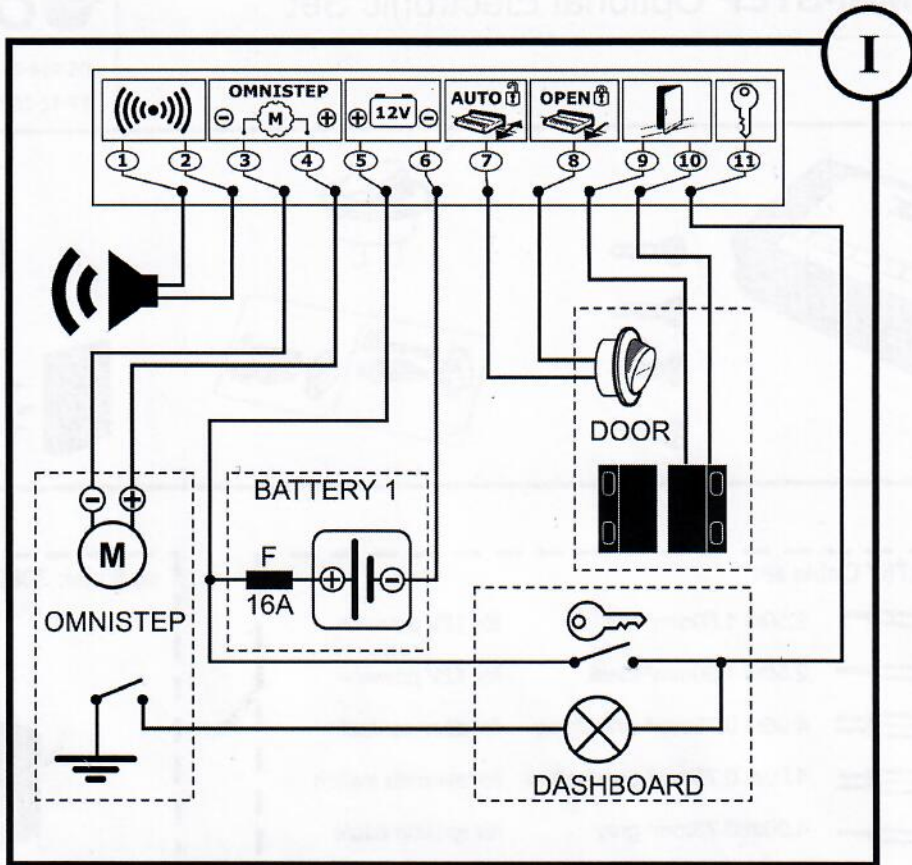


optional: 1500601767 Cable set

	2.50m 1.50mm ² red	for 12V power +
	2.50m 1.50mm ² black	for 12V power -
	4.00m 0.75mm ² white/grey	for door contact
	4.00m 0.75mm ² blue/yellow	for override switch
	4.00m 0.75mm ² grey	for ignition cable
	Flat connector x2	

optional: 308200 Relay







Read these instructions carefully. No guarantee will be allowed for incorrect connection.

CONTENTS

Electronic control box.....	1
Screws DIN 7982 - 4,2 x 16	4
Switch for opening: automatic / always.....	1
Sticker for switch	1
Door contact (2 parts).....	1
Screws DIN 7981 - 3x10.....	4

INSTALLATION OF THE ELECTRONIC CONTROL BOX

1. Install the control box inside the vehicle with screws 4,2x16
2. Run the motor wires (+ orange & - purple) to the control unit.
3. Connect the motor wires to the clamps 3 & 4. See figure
⊙A: open the entrance by pushing gently with a screwdriver in the rectangle beneath the correct connection. ⊙B: Remove this bridge when installing an "OMNISTEP slide out lift". For all other OMNISTEP models: do not remove anything.

INSTALLATION OF THE SWITCH "AUTO / OPEN"

With this switch one can choose whether the OMNISTEP will always be opened, or if it will close together with the door.
Note: the OMNISTEP will always close when the engine is running.

4. Install the switch (∅ 20) on the desired location, with the red side facing up.
5. Position the sticker next to the switch
6. Connect the switch with entrance 7 & 8 of the control box with 2 wires of 0.75mm². Make sure that the images on the sticker correspond with those on the control box.

INSTALLATION OF THE DOOR CONTACT

This contact senses whether the door is opened or closed.

7. Install the door contact at the hinge side of the door. See figure ⊙. The loose magnet attaches to the door and the contact to the doorway. Maximum 6 mm distance is allowed between magnet and contact.
8. Connect the door contact with entrance 9 & 10 of the control box, using 2 wires of 0.75 mm².
9. Fasten the magnet and contact with 2x2 screws of 3x10mm.

CONNECTION OF THE BATTERY

It is recommended that the OMNISTEP is connected to the battery of the engine of the vehicle, in order to avoid all disturbances from other appliances. In this case, follow scheme I. If reaching the engine battery is not possible, one can connect the OMNISTEP to a secondary battery using a relay (sold separately). In this case follow scheme II.

10. Place an electric cable 2 x 1,5 mm² from the control unit to the battery. Place a 16 A fuse in the + conduction. In order to avoid short-circuit: do not insert the fuse until the electrical connection is completed.
11. Connect the battery to entrances 5 & 6 of the control box. ATTENTION: The control unit will not operate if wrongly connected.

CONNECTION TO THE KEY CONTACT OF THE VEHICLE

This connection ensures that the OMNISTEP automatically retracts when starting the engine. Follow the correct scheme:
Scheme I) OMNISTEP connected to the battery of the vehicle engine: use the clamp of position I of the key contact
Scheme II) OMNISTEP connected to a secondary battery: use the clamp of the relay which is activated (becomes +) by starting the engine.

12. Connect the chosen clamp with entrance 11 of the control box. Make sure that the key contact is switched off before connecting.

INSTALLING AN ALARM BUZZER (not included)

It is possible to install an alarm buzzer in the proximity of the step that gives a warning noise when the step is moving and when the ignition key is used. Exclusively suitable for 12V DC buzzer.

13. Make the connection following the schedule. Use 2 wires of 0.75mm². Use entrance 1 & 2 of the control box.

INSTALLING A WARNING LIGHT (not included)

On each OMNISTEP a switch is incorporated which is pushed in when the step is retracted. This switch should be connected to a warning light that is turned on, as long as the step is not fully retracted when the engine has started.

14. Make the connection following the schedule. Use 2 wires of 0.75mm².

FUNCTIONAL CHECK

Switch in AUTO-position:

- Check whether the OMNISTEP extends and retracts by using the door switch.
- Check whether the OMNISTEP extends by opening the door and retracts by closing the door. In case the reverse occurs, change the wires from clamps 3 & 4 of the control unit.
- If the OMNISTEP does not always follow the movement of the door, either the distance between door contact and magnet is incorrect or the motor is temporarily overheated.

Switch in OPEN-position:

- Check whether the step stays in its open position, disregarding the door position.

Switch in both positions:

- Check whether the step retracts within 5 seconds upon using the key contact, of after starting the engine. Check if the warning lamp lightens during these 5 seconds, and stops afterwards.
- Check if the alarm sound works during each movement of the OMNISTEP.

USAGE

Switch in AUTO-position:

- Open the door → the OMNISTEP extends
- Close the door → the OMNISTEP retracts

Switch in OPEN-position:

- Open the door → the OMNISTEP extends
- The OMNISTEP remains extended, regardless of the door position

SAFETY

- When starting the vehicle, the OMNISTEP will automatically retract after 5 seconds, even if the switch is in OPEN-position. Take care when exiting the vehicle: the safety connection will prevent the OMNISTEP from extending while the engine is running.
- The OMNISTEP will not extend until the door is opened after the engine has been turned off.
- The OMNISTEP automatically stops when it is heavily obstructed during extending or retracting. Check for obstacles and use the door to fully open or close the OMNISTEP. If this occurs while starting the engine the dashboard warning signal will remain lit. Check for obstacles and restart the engine.

This product is free from disturbances according to EMC-standards 2004/108/EG and 2004/104/EG annex 1: 6.5, 6.6, 6.8 & 6.9

OPTIONS

- 308200 (62 0000 00) Relay
- 1500601767 Cable set