SAFETY AND CONTENTS

This guide provides instructions for the correct installation, inspection and use of the Modifero electric sliding door system. Read the instructions before starting installation. Current manuals are available in your preferred language at **docs.modifero.com**. Download the relevant documents to your device so they remain available without an internet connection.

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1 Before installation

1.1 Installation must be carried out by persons with sufficient knowledge of vehicle mechanics and electrical systems. Follow the vehicle manufacturer's instructions for bodywork and electrical connections.

1.2 Check that the kit is suitable for the vehicle and door model. If any parts are missing or damaged, contact technical support before starting installation.

1.3 Check that the door moves smoothly by hand. Correct any problems with the tracks, rollers, door alignment or vehicle body before installing the motor unit.

1.4 Park the vehicle on level ground, apply the parking brake and prevent uncontrolled door movement during installation.

2 Mechanical installation

2.1 Check behind the mounting surface before drilling. Protect wiring, glass, pipes and other vehicle components. Use protective equipment appropriate to the task.

2.2 Use the fasteners and mounting points specified in the installation guide. Do not make unauthorised modifications to the system.

2.3 Position the rack as shown in the installation guide, keeping it parallel to the door. Do not overtighten the mounting screws.

2.4 Support the motor unit and door as necessary until the connections are complete. Keep your hands clear of the gears, rack and articulated linkage.

2.5 Before operating the system, check that all connections, operating clearances and the protective cover are correctly installed.

3 Electrical connections

3.1 Before making electrical connections, adjusting the mechanism or carrying out maintenance, isolate the system's power supply in accordance with the vehicle manufacturer's instructions. Prevent accidental operation from the push-button or remote control.

3.2 Follow the specified supply voltage, polarity and wiring diagram. Use supply wiring and circuit protection suitable for the system's technical requirements.

3.3 Match the numbered connectors: **1 to 1 and 2 to 2.** Connect them without forcing and check that they are fully seated.

3.4 Secure the main harness and motor connection cable along a protected route on the fixed vehicle body. Leave sufficient flexibility in the cable section between the fixed body and motor unit to accommodate movement of the motor unit.

3.5 Check that cables are not stretched or trapped and cannot rub against sharp edges, hot surfaces or moving parts.

4 Everyday operation

4.1 Operate the door only when the vehicle is stationary and you can see the door's movement area.

4.2 Before giving an opening or closing command, make sure passengers have finished passing through and the door's movement area is clear.

4.3 Keep clear of the closing edge, narrowing gaps behind the door and the drive linkage while the door is moving. **Do not place your hand on the rack while the door is operating.** Keep your hands away from the gears. These areas present a trapping hazard.

4.4 Keep children away from the rack and other moving parts. Do not allow them to play with the push-button or remote control. Supervise passengers who need assistance.

4.5 Do not force the door by hand while the drive mechanism is engaged. When manual movement is required, follow the manual release procedure in the installation guide.

4.6 Before driving, check that the door is fully closed and securely retained, and that the drive mechanism is engaged.

4.7 - Operation after a power interruption
After power to the system has been disconnected and restored, the **first press of the illuminated push-button commands movement in the closing direction**. With the remote control, the direction follows the opening or closing button pressed. Make sure the door's movement area is clear before giving a command.

5 Safety devices

5.1 Install and check the safety devices fitted to the system in accordance with their separate instructions.

5.2 Check the operation of the fitted SafetyEdge+ sensor using the method specified in its guide. Do not use your hand or any part of your body for testing.

5.3 The safety edge does not remove the need to keep the door's movement area clear. Keep clear of other moving parts, including the rack, gears and linkage.

5.4 Do not disable fitted safety devices. If the expected safety response cannot be confirmed, stop powered operation until the fault has been corrected.

6 Manual release and re-engagement

6.1 Make sure the door has stopped and prevent powered operation before releasing the mechanism.

6.2 Keep the door under control. Once the mechanism is released, a slope or wind may cause the door to move unexpectedly.

6.3 Operate the release lever and move the door in the sequence shown in the installation guide. Do not force the lever.

6.4 Before returning to powered operation, re-engage the mechanism and check that the gears mesh correctly with the rack. Do not operate the motor if engagement is uncertain.

6.5 Keep the release lever accessible. Show users where it is located and how to operate it.

7 Final checks and handover

7.1 After installation, check the door through its full opening and closing travel under controlled conditions. Check the fasteners, cable movement, protective cover, controls and all fitted safety devices.

7.2 Demonstrate normal operation, manual release and re-engagement to the user.

7.3 Show the user how to access the digital installation, operating and accessory manuals at **docs.modifero.com**. If the vehicle or system is transferred to another user, pass on the document access information. Check that warning labels are visible and legible.

8 Inspection and maintenance

8.1 Regularly check fasteners and cables for looseness, wear or damage. Keep the door's movement path clean and unobstructed.

8.2 If you notice unexpected movement, unusual resistance, loose components or damaged wiring, stop powered operation and seek technical support.

8.3 Repeat the functional and safety checks after adjustment or repair, before returning the system to use.

ILLUSTRATED KIT CONTENTS

MAIN COMPONENTS

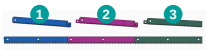
M01 1 x



Dual-motor unit

One unit, two views.

M03 3 x



Rack sections

108 cm: Ducato / Jumper / Boxer. 120 cm: Iveco Daily.

E01 1 x



Main control unit

E02 1 x



Main harness

E03 1 x



Motor connection cable

E04 1 x



Illuminated push-button

E05 1 x



Remote control

L01 1 x



Exterior door label

MOUNTING HARDWARE - DUCATO FAMILY

M04 1 x



Motor body bracket

Ducato family

H01 2 x



Hex socket head bolt

M6 x 20 mm

H02 7 x



Hex socket countersunk bolt

M6 x 30 mm

H03 1 x



Partially threaded socket bolt

M6 x 40 mm

H04 7 x



Threaded backing plate

For the rack

H05 3 x



M6 nylon-insert locknut

2 body + 1 linkage

H06 1 x



Main control unit screw

25-30 mm

M06 1 x



Rack compression spring

Straight-ended

M07 1 x



Headless hex socket set screw

M6 x 25 mm

H07 3 x



Spare cable terminals

Female spade + ring + male spade

SAFETYEDGE+ SAFETY SENSOR KIT

EU: included as standard | Global: optional

01 1 x



Pneumatic safety edge with hose

02 1 x



Wireless door module

03 1 x



Magnetic switch and cable

04 1 x



Countersunk ring magnet

05 2 x



Identical countersunk screws

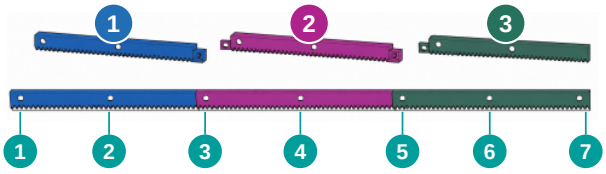
Two identical screws: one for the magnet and one for the wireless module.

RELATED GUIDES AND VIDEO

SafetyEdge+ - working principle and installation
Vehicle safety-strip installation guide (PDF)
Door user guide (PDF)
Electrical wiring diagram (PDF)
Door Handle Control - Optional accessory
Original vehicle key operation - Optional; Ducato / Jumper / Boxer
Watch the mechanical installation video

01-06 | RACK ASSEMBLY, POSITIONING AND FIXING

1 Join the three rack sections and prepare the mounting hardware





7 x M6 x 30 mm countersunk socket bolts

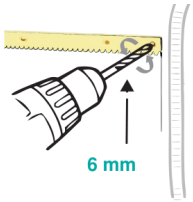


7 x threaded backing plates

Procedure: Join the three sections with the teeth facing the same direction. Seat both joints fully to form one continuous, straight rack. The middle section has a connection ear at each end. Assembled length: approximately **108 cm** (Ducato / Jumper / Boxer) or **120 cm** (Iveco Daily).

Check: The rear section for Ducato / Jumper / Boxer is supplied shortened; no customer cutting is required. Expose the mounting area and check access behind the door sheet for the backing plates.

3 Drill the rear mounting hole



Parts: M03 - assembled rack; H02/H04 ready for the next step.

Tools: Drill with a 6 mm bit.

Procedure: Keep the rear end at the established 3 cm reference. Use the rearmost mounting hole in the rack as a guide and drill the door sheet with a 6 mm bit. Support the rest of the rack while preparing this first fixing.

Check: The 6 mm label specifies the drill-bit diameter. Proceed directly to step 04 and secure this same rear point before adjusting the rest of the rack.

5 Set the rack parallel

Panel flange

Rack - parallel



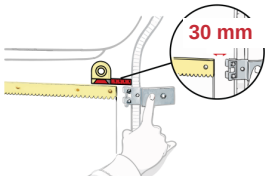
Parts: M03 and the first H02/H04 fixing already installed. No new hardware.

Tools: Measuring tape; suitable straight reference.

Procedure: With the rear point fixed, support and adjust the free length of rack until it is parallel to the door panel flange. Check the relationship along the full length before drilling the second point. Use the flange as the mounting reference rather than relying on how the rack looks from a distance.

Check: The motor can struggle when pushing or pulling the door if the rack is not parallel. Recheck alignment as every subsequent fixing is added.

2 Position the rear end



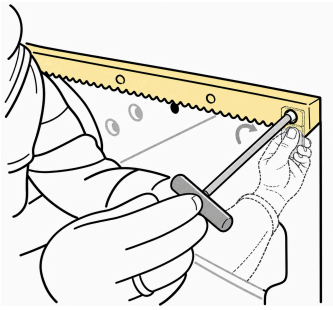
Parts: M03 - assembled rack. No fasteners fitted yet.

Tools: Measuring tape; marking tool.

Procedure: Position the rear (right-hand) end of the rack using the 3 cm reference shown in the placement detail. Support the remaining length. Use the rear mounting hole as the starting point for installation. This rear-end reference applies to all four vehicle models covered here.

Check: Do not drill all holes in advance. The rear point must be drilled and secured first; the rest of the rack is then aligned from that fixed point.

4 Complete the rear fixing



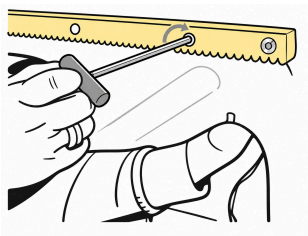
Parts: 1 x H02 - M6 x 30 mm countersunk bolt; 1 x H04 - threaded backing plate.

Tools: Hand-operated hex key.

Procedure: Pass the H02 bolt through the rearmost rack hole and the hole just drilled in the door sheet. Reach through the door access opening with your left hand and hold the H04 threaded backing plate behind the rack and door sheet with your fingers. With your right hand, use a hex key to tighten the H02 bolt into the plate and secure this rear point. This completes the first fixing; do not move on to another hole yet.

Check: Tighten carefully by hand wherever possible. High-torque power tools can deform the sheet and make the rack wavy, preventing the motor mechanism from sliding freely.

6 Fix the next points in sequence



Parts: H02 + H04 at each further fixing; keep the final H02/H04 pair for the next stage.

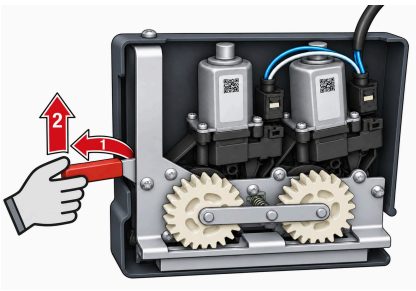
Tools: Drill with a 6 mm bit; hand-operated hex key.

Procedure: With the rear point secured and the rack aligned, drill the second mounting hole with the 6 mm bit and immediately fasten it with one H02 bolt and one H04 plate. Continue along the rack, drilling and fastening each further mounting hole in sequence. Keep checking parallel alignment and use controlled hand tightening. Leave the last mounting point at the motor-entry end unfixed so this end can be moved slightly forwards when inserting the motor mechanism.

Check: Do not secure the last point before sliding the motor onto the rack. This clearance is especially useful where the Ducato-group door-handle trim obstructs insertion. Seven H02 bolts and seven H04 plates are used in total.

07-12 | MOTOR INSERTION, SPRING AND FINAL RACK FIXING

7 Disengage the motor drive



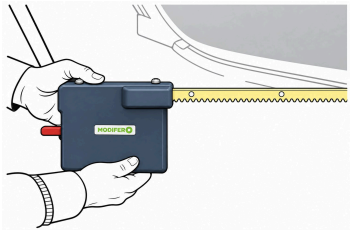
Parts: M01 - dual-motor mechanism assembly. No loose fasteners used in this step.

Tools: Manual operation of the release lever.

Procedure: Before fitting, hold the unit firmly in your left hand with the motors facing you. With your right hand, first pull the red-ended lever backwards, away from you, to free the motor-support arm from its retaining tab. Then lift the lever upwards to disengage the drive. Keep the final rack mounting point at the motor-entry end unfixed so the unit can be slid onto the rack.

Check: Use the release lever rather than forcing the motor drive onto the rack. The cover is already fitted; removing it is not normally required for insertion.

8 Slide the motor onto the rack



Parts: M01 - motor mechanism; M03 - rack with the final mounting point still free.

Tools: Manual positioning.

Procedure: With the drive disengaged, move the unfixed entry end of the rack slightly forwards as needed to obtain clearance. Support the motor mechanism with its C-shaped guide at the top and the housing below the rack. Align this upper guide with the free rack end and slide the mechanism onto the rack. Keep the unit supported while returning the rack to its mounting position.

Check: This fitting clearance is particularly useful where the Ducato-group door-handle trim obstructs access. Do not fit the spring or its retaining screw before the motor is on the rack.

9 Check movement and prepare parts



M06 M07

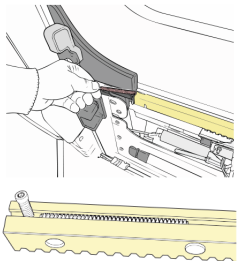
Parts: M06 - 1 spring; M07 - 1 headless hex socket set screw.

Tools: Manual movement check; hex key for the set screw.

Procedure: With the motor drive still disengaged, check that the mechanism moves freely along the guide. If it binds, inspect rack alignment and fixing pressure before proceeding. Identify the straight-ended spring and its M6 x 25 mm retaining set screw, which are supplied loose for installation.

Check: The motor must already be on the rack. Keep the final leftmost rack fixing open until step 12. Earlier kits may have these parts pre-installed; remove them before inserting the motor and refit them afterwards.

10 Insert the spring into the channel



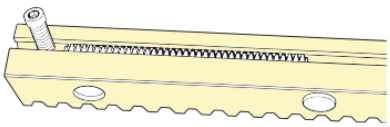
Parts: M06 - 1 gear rack spring. M07 is fitted in the next step.

Tools: Hand positioning.

Procedure: Insert the spring into the internal channel at the end of the rack as illustrated. Guide it along the channel and check that it is seated inside the rack. Keep the spring clear of the external rack teeth and the mechanism guide surfaces.

Check: The close-up shows the internal channel and retaining-screw location. The spring must be seated before its retaining screw is installed.

11 Fit the spring-retaining set screw



M07 - M6 x 25 mm

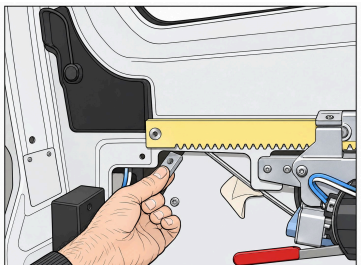
Parts: M07 - 1 headless hex socket set screw, M6 x 25 mm.

Tools: Hex key matching the set screw socket.

Procedure: Fit M07 into the factory-prepared threaded hole at the rack end. Tighten it with a hex key so it retains the spring and prevents the spring from coming out of the rack channel. Check that the spring is seated and retained before completing the final leftmost rack fixing in step 12.

Check: M07 is the headless set screw, not an H01 bracket bolt. The motor remains disengaged at this stage; powered operation is checked after the remaining mechanical and electrical installation.

12 Secure the leftmost rack point



Parts: Final 1 x H02 - M6 x 30 mm bolt; final 1 x H04 - threaded backing plate.

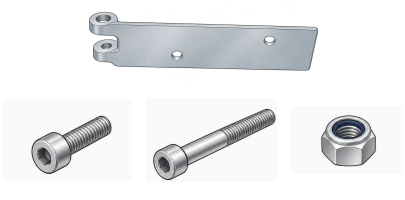
Tools: Drill with a 6 mm bit; hand-operated hex key.

Procedure: After the motor, spring and retaining set screw are fitted, complete the previously unfixed leftmost (front/motor-entry) rack point. Return this free end to its aligned mounting position. Drill the final door-sheet hole through the rack with the 6 mm bit. Hold the backing plate behind the sheet with your fingers and tighten the bolt carefully by hand. Check all seven rack fixings and the parallel alignment.

Check: The completed rack uses 7 x H02 and 7 x H04 in total, not seven additional pairs. Check for waviness or sheet-metal deformation before continuing.

13-17 | BODY BRACKET POSITIONING AND FIXING

13 Check the bracket mounting hardware



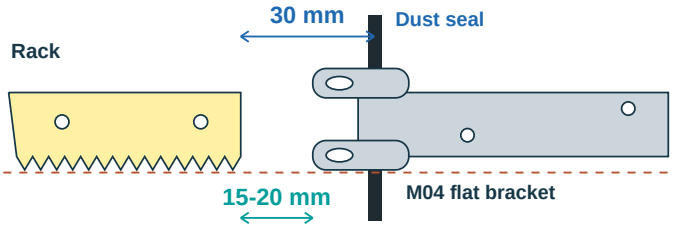
Parts: 1 x M04 flat bracket; 2 x H01; 1 x H03; 3 x H05.

Tools: Hex keys for H01/H03; suitable spanner or nut-holding tool.

Procedure: Use the supplied straight, flat M04 bracket with its existing fork and two staggered body mounting holes. Allocate both M6 x 20 mm H01 bolts and two H05 nuts to the vehicle side-wall fixings. Allocate the partially threaded M6 x 40 mm H03 bolt and the third H05 nut to the forked linkage joint.

Check: The illustrations show the full hardware quantities: two short bolts, one long bolt and three locknuts. Preserve the bracket shape and the positions of both mounting holes. No washers are specified.

14 Check both positioning distances





Straight alignment reference

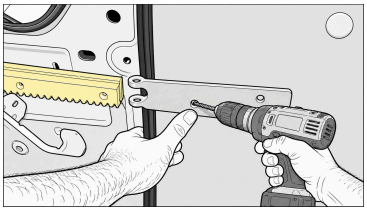
Parts: Installed M03 rack; M04 flat bracket and forked linkage.

Tools: Measuring tape or rule; straight alignment reference.

Procedure: Keep the established 30 mm distance between the rack end and the door dust seal. Position M04 so the separate clearance between the rack end and the nearest bracket/hinge edge is 15-20 mm. Align the rack and hinge in a straight line as shown in the close-up.

Check: Keep the rounded hinge ears in front of the dust seal, as in the application photo. The 15-20 mm clearance does not replace the existing 30 mm rack-to-dust-seal reference.

15 Position, mark and drill



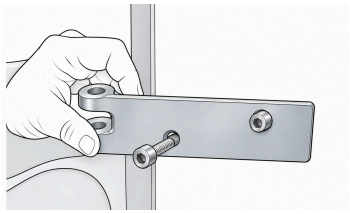
Parts: M04 - straight, flat bracket. H01/H05 ready for the following step.

Tools: Rule; marking tool; drill and a suitable bit for the M6 body fixing bolts.

Procedure: Hold M04 against the fixed vehicle side wall, with the rounded fork ears in front of the dust seal. Keep the rack and hinge aligned in a straight line, with a 15-20 mm gap between them and the existing 30 mm rack-to-dust-seal reference unchanged. Mark both side-wall positions through the original staggered bracket holes. Prepare both body fixing holes and check that the H01 bolts pass through the bracket and body sheet.

Check: Keep access behind both body holes for the H05 locknuts. Preserve both bracket hole positions. The fork bores remain empty until the motor/linkage connection in the next section.

16 Insert the two body fixing bolts



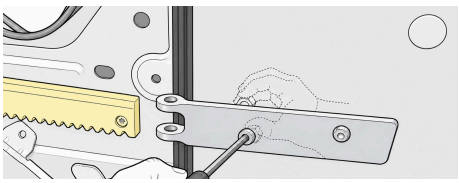
Parts: 2 x H01 - M6 x 20 mm hex socket head bolts; 2 x H05 - M6 locknuts.

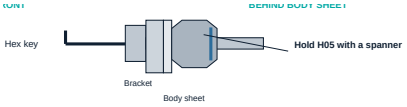
Tools: Hex key; suitable spanner or nut-holding tool.

Procedure: Pass one H01 bolt through each existing bracket mounting hole and its corresponding side-wall hole. From behind the body sheet, engage one H05 locknut on each bolt. The bolt heads remain on the bracket face; the two nuts are behind the vehicle side-wall sheet.

Check: Use both H01 bolts here. Do not substitute the longer H03 fork-joint bolt or the H02 countersunk bolts used for the rack.

17 Tighten and inspect the body bracket





Parts: Installed M04; 2 x H01 and 2 x H05. No additional body fixing hardware.

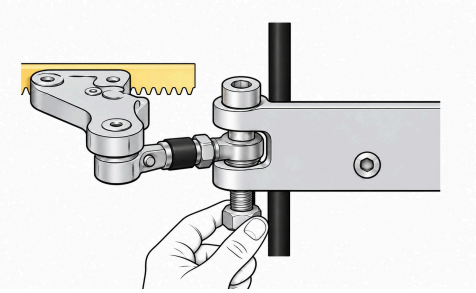
Tools: Hand-operated hex key; spanner or nut-holding tool; rule.

Procedure: From behind the body sheet, engage one H05 M6 nylon-insert locknut on each H01 bolt. Hold the first nut with a suitable tool and tighten its bolt from the bracket face with the hex key. Repeat for the second pair. Inspect both completed body fixings, keep the bracket straight and check the rack/hinge alignment. Recheck the 15-20 mm rack-to-bracket gap and the separate 30 mm rack-to-dust-seal reference.

Check: Use H05 nylon-insert locknuts, not the H04 rectangular backing plates used for the rack. Keep the fork bores empty. The body bracket is now secured. The next section connects the motor mechanism to this bracket using H03 and the remaining H05 nut, then covers the cable connections.

18-19 | MOTOR LINKAGE AND NUMBERED CABLE CONNECTIONS

18 Connect the motor linkage to the body bracket



1 x H03 + 1 x H05

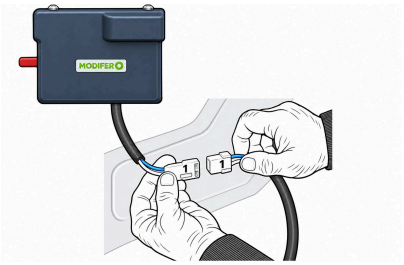
Parts: M01 motor linkage; installed motor mechanism body mounting bracket (M04); 1 x H03 - M6 x 40 mm; remaining 1 x H05.

Tools: Hex key for H03; suitable spanner or nut-holding tool.

Procedure: Bring the articulated motor-linkage eye between the two round fork ears on the body mounting bracket (M04). Align all three bores. Pass the partially threaded M6 x 40 mm H03 bolt through the upper ear, linkage eye and lower ear. Fit the remaining H05 nylon-insert locknut below the joint. Hold the nut and secure the bolt with a hex key, then inspect the assembled connection. Keep the rack end separate from the bracket with the established 15-20 mm clearance, and keep the dust seal behind the rounded fork ears.

Check: This is one H03 bolt with one H05 nut. The two H01/H05 pairs already secure the body mounting bracket (M04) to the vehicle body. The motor-side articulated linkage is supplied on M01 and is not an additional loose kit assembly.

19 Connect matching numbered plugs



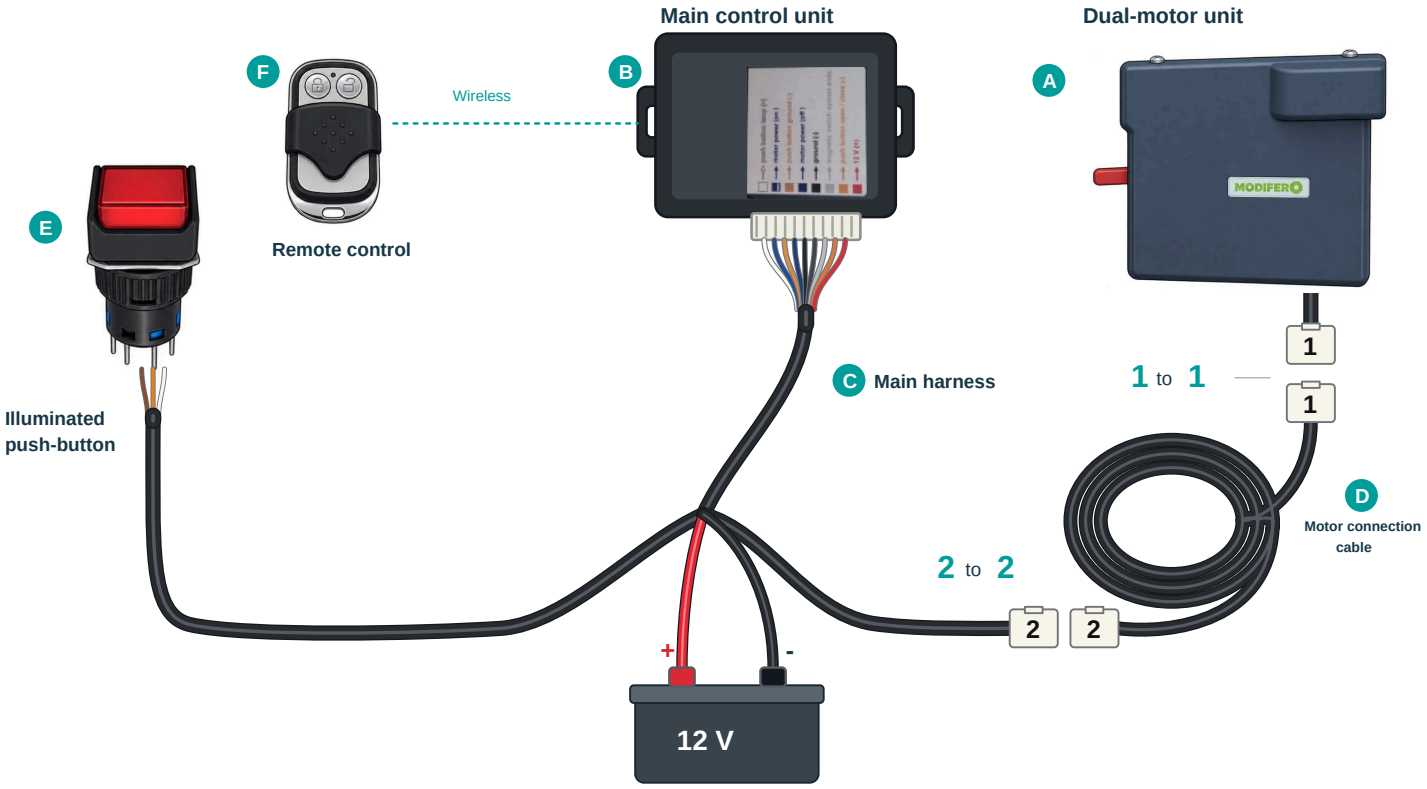
Parts: E03 motor connection cable; matching connector on the M01 motor lead.

Tools: No special tool for the plug connection.

Procedure: Connect connector No. 1 on the E03 connection cable to connector No. 1 coming from the motor. Align the mating housings and fully seat the connection. The supplied matching labels identify the correct pair: 1 connects to 1, and 2 connects to 2 where those labels are provided.

Check: The numbers identify complete connectors, not individual electrical pins. Follow the separate electrical installation guide for the remaining harness and main control unit connections; do not infer pin functions from these labels.

GENERAL WIRING OVERVIEW



A Dual-motor unit **B Main control unit** **C Main harness**

D Motor connection cable **E Illuminated push-button** **F Remote control**

Match complete connector numbers: 1 to 1 and 2 to 2. The label above the main connector identifies harness wire colours. The remote communicates wirelessly.

20-25 | MANUAL RELEASE, FINAL CHECKS AND EXTERIOR LABEL

20 Secure the original latch open





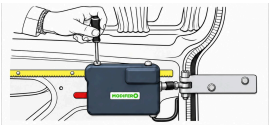
Parts: Original vehicle handle/latch mechanism and its securing arrangement.

Tools: Tools appropriate to the illustrated vehicle detail.

Procedure: Set the original handle/latch mechanism to its open, released position and secure it there as shown by the vehicle installation detail. This is required so the original latch does not prevent powered door movement. The MODIFERO mechanism takes over the mechanical door-retaining function.

Check: In normal operation, with the motor drive engaged, the closed door is retained by the motor gear and rack. Securing the original mechanism released does not make the closed door freely openable by pulling the outside handle.

22 Check and secure the motor cover



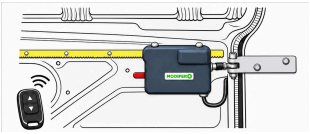
Parts: Protective cover already fitted to M01; its 3 original cover screws.

Tools: Hand screwdriver suitable for the original cover screws.

Procedure: Check that the protective cover is correctly seated on the motor unit. If it was removed during installation, put it back in position and secure it with the same three original screws. Check all three screws and confirm that the cover does not obstruct the rack, linkage or manual-release lever.

Check: The cover and its screws are supplied on M01. H06 is the main control unit mounting screw and must not be used as a motor-cover screw.

24 Test powered opening and closing



Parts: Completed mechanical and electrical system; E04 push-button and E05 remote.

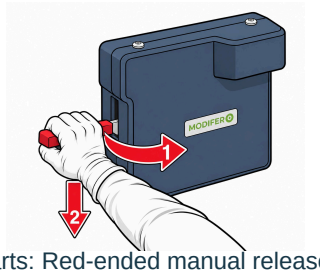
Tools: Functional test after the electrical installation is complete.

Procedure: After completing the electrical installation, check powered door opening and closing using the illuminated push-button and remote control. Observe the mechanism over the full stroke. Confirm smooth rack movement, correct gear engagement and unobstructed cables. Check that the original latch remains secured in its released position and the motor linkage operates freely.

Check: Confirm all seven rack fixings, bracket fixings and the linkage joint. Complete the SafetyEdge+ installation and obstacle-response checks where fitted. SafetyEdge+ is standard in EU-market kits and optional in Global-market kits.

21 Check manual release and re-engage

Cover side



Motor side



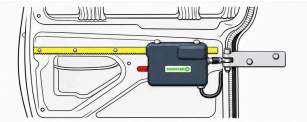
Parts: Red-ended manual release lever on M01. No additional hardware.

Tools: Manual operation.

Procedure: For the installed unit, viewed from the cover side, first pull the red-ended lever towards you, then push it down to disengage the gear from the rack. Push the rear edge of the door outwards for manual movement. To restore powered operation, lift the lever back up and confirm that the gear and rack teeth engage correctly.

Check: The two views show the same release operation from opposite sides. Before fitting, with the motors facing you, hold the unit in your left hand; pull the lever away from you with your right hand, then lift it clear of the retaining tab (step 7).

23 Check the cable route



Parts: Motor lead; installed E03 motor connection cable and E02 main harness.

Tools: Visual inspection and suitable cable-routing tools.

Procedure: Inspect the lead from the motor, the E03 motor connection cable and the E02 main harness. The motor receives power from the fixed vehicle body side beside the door pillar. Check the short flexible cable section at the motor and body-side connection. Secure the body-side cable route clear of the rack, linkage, sharp edges and other moving parts. Confirm that the numbered connectors are fully seated.

Check: Check the flexible section beside the motor over the full door stroke. It must move freely without snagging, trapping or tension. The motor supply is routed from the fixed body side, as illustrated.

25 Apply the exterior door label



Parts: L01 - 1 automatic-door identification label.

Tools: Clean cloth and cleaning materials suitable for the vehicle finish.

Procedure: Clean and dry the selected area on the exterior of the sliding door. Apply the supplied ELECTRIC DOOR identification label in a clearly visible position. Press it down evenly so it adheres fully. This label informs people outside the vehicle that the door opens and closes automatically.

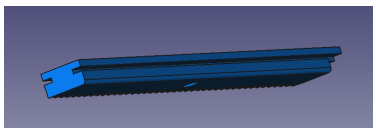
Check: Installation is complete after the mechanical, electrical and applicable safety-system checks have passed. Explain normal powered operation, manual release and correct re-engagement to the vehicle user.

26-30 | LUBRICATION, MOTOR CURRENT ADJUSTMENT & FINAL TESTS

IMPORTANT - Keep the buzzer enabled during final testing
The ECU buzzer must be enabled during motor-current adjustment. Its timing, together with the illuminated door switch, helps verify the setting. If disabled, reactivate it using the User Manual. The owner may disable it again after all final checks are complete.

26 Lubricate the upper and lower rack guide channels





With system power off, apply a small amount of spray grease at several points in both rack guide channels. The lower channel faces downward, so spray grease is preferable. Disengage the motor gears using the manual-release lever (Step 21), then move the sliding door back and forth manually to spread the lubricant. **The motor remains fixed; the rack moves with the door.** Check for binding or abnormal resistance, then correctly re-engage the gears.

27 Check operation on level ground

Securely park the vehicle, start the engine and run full opening/closing cycles. When the door fully closes and the motor stops, the **buzzer and illuminated door switch should turn off immediately.** If the door stops prematurely, first check door rollers, original tracks, alignment, rack movement and other mechanical obstructions.

28 Adjust motor current only if necessary



Location: The blue adjustment potentiometer is on the side of the circuit board inside the main ECU.

Switch off system power before opening the ECU or adjusting. Note the initial position.

With a small screwdriver, turn the blue potentiometer slightly clockwise to increase the current setting. Secure the ECU before restoring power and retesting.

MAXIMUM: Do not adjust beyond the 2 o'clock position.

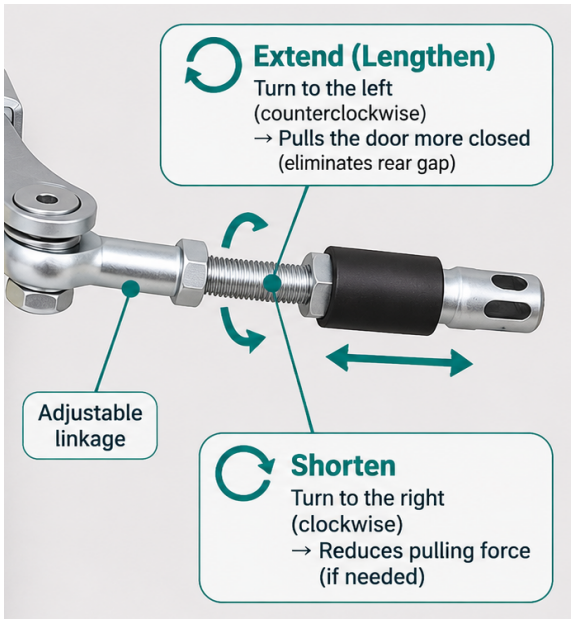
29 Verify setting and perform final safety checks

Correct: At full closure, the motor stops and the buzzer and button light go off immediately.

Setting possibly too high: The buzzer and light continue for about 2-3 seconds after motor stop. Switch power off and reduce the setting slightly counterclockwise; repeat the test. Excessive current may lead to faults or damage over time.

Optional incline check: On a suitable, stable, gently sloping parking surface, with the vehicle securely stationary, test closing with the front uphill and opening with the rear uphill. Never apply hand resistance to the moving door, and never lift the vehicle with a jack to create an incline. Keep people clear of the moving door. Verify all fitted anti-pinch and safety functions before handover.

30 Check and adjust rear door alignment



Check: Close the door and verify the rear edge sits flush with the vehicle body.

Adjustment: If the rear edge remains open, switch off power and slightly lengthen the threaded linkage as illustrated. Secure the connection.

Verify: Check full opening/closing travel and ensure the linkage does not move into an over-center position. Make only small adjustments.