My Robot Home Series

Garage assembly manual

Scan the QR-code to see the step by step video.

Call us for direct support

(+45) 81 40 12 21

Safety Warning:

Always wear protective gear and follow all assembly instructions carefully. Incorrect installation may result in injury or property damage.
Keep small parts away from children.

Before starting the installation:

Place the garage on a flat, solid surface such as concrete or brick before installation. If you're installing it on grass, we recommend placing small bricks or slabs under each of the four corners to provide extra support and prevent the garage from sinking into the ground.

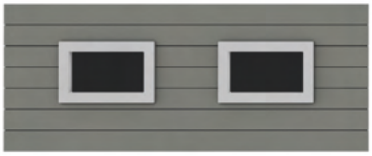
Tools needed:

1x Screwdriver or power drill
1x Adjustable wrench
1x Groove-joint pliers (water pump pliers)

Important: When using a power drill, take care to adjust the torque according to the hardness of the wood.

Overview

Parts 1 - 12



① Side Panels x 2 Pcs

② Back Panel x 1 Pc

③ Front Panel x 1 Pc

④ Roof Panels x 2 Pcs

⑤ Roof Cap x 1 Pc

⑥ Wooden bar x 1 Pc

⑦ Wooden side bars x 2 Pcs

⑧ Metal bar x 1 Pc

⑨ Side poles x 2 Pcs

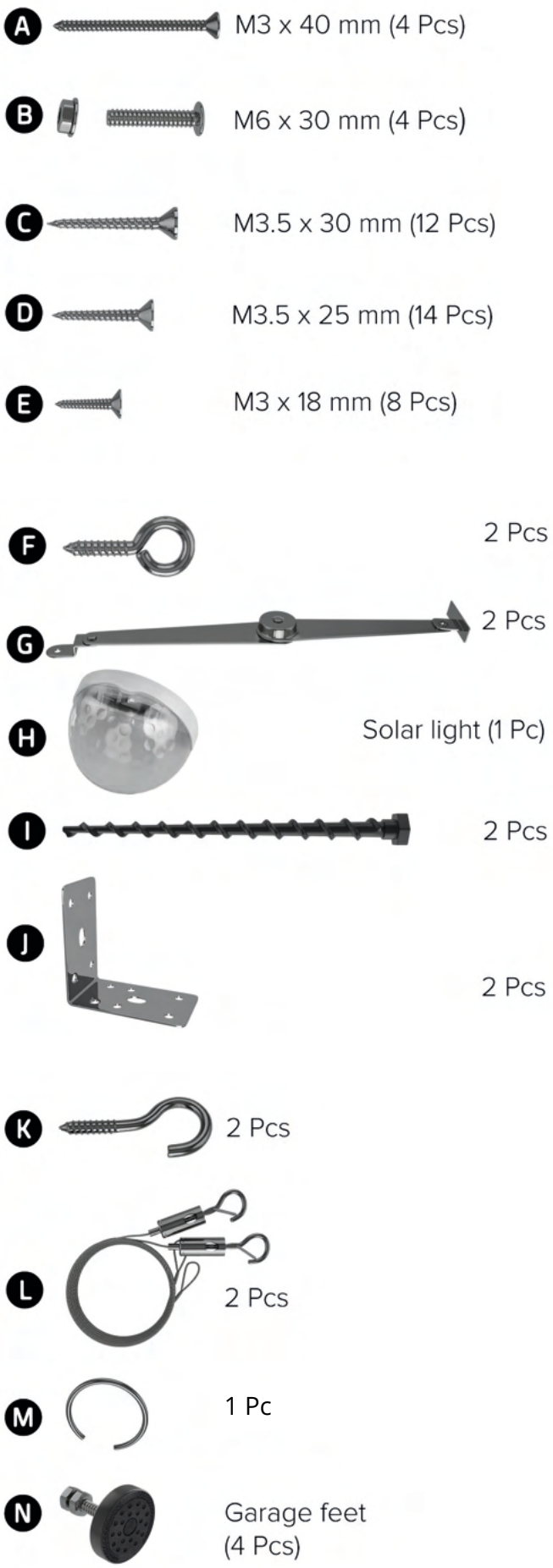
⑩ Middle poles x 2 Pcs

⑪ Metal plates x 2 Pcs

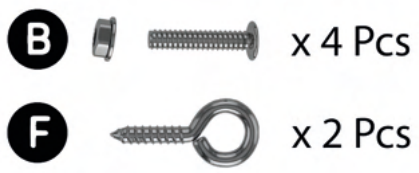
⑫ Name sign x 1 Pc

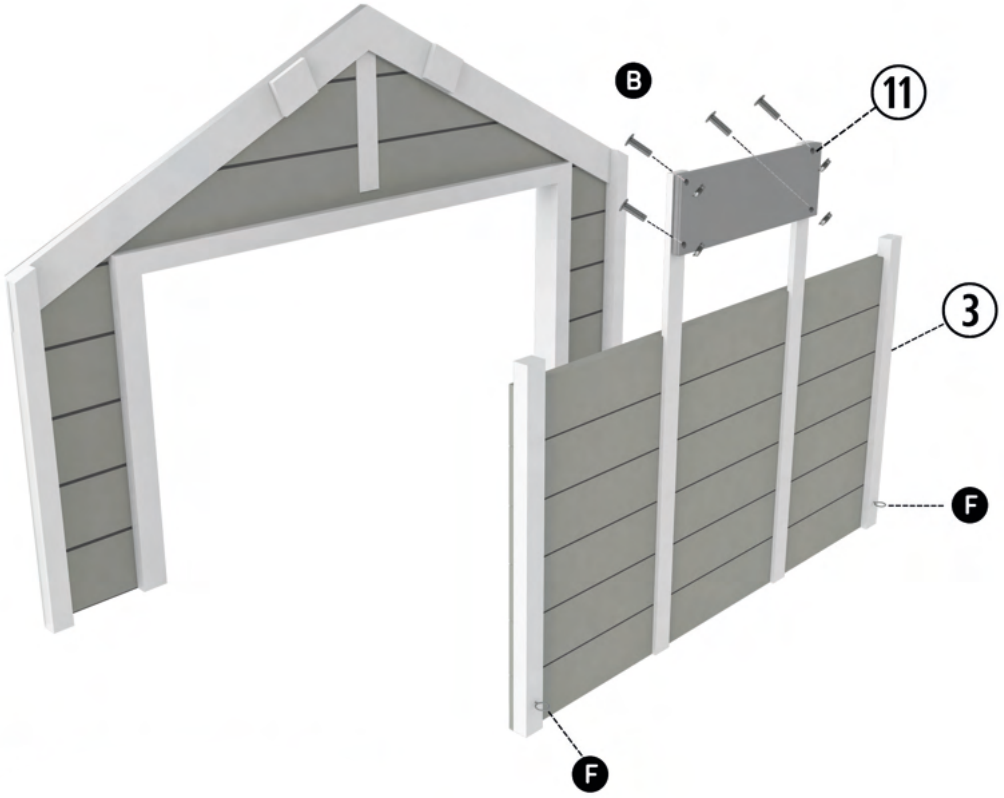
Overview

Parts A - N



STEP 1





STEP 1 - Front Panel Assembly

Fix the weights (11) onto the front door (3) using bolts (B).
Tighten the bolts securely.
Screw in the hooks (F).

Important: The door (3) is already assembled. Only attach the weights (11) to complete the front installation.

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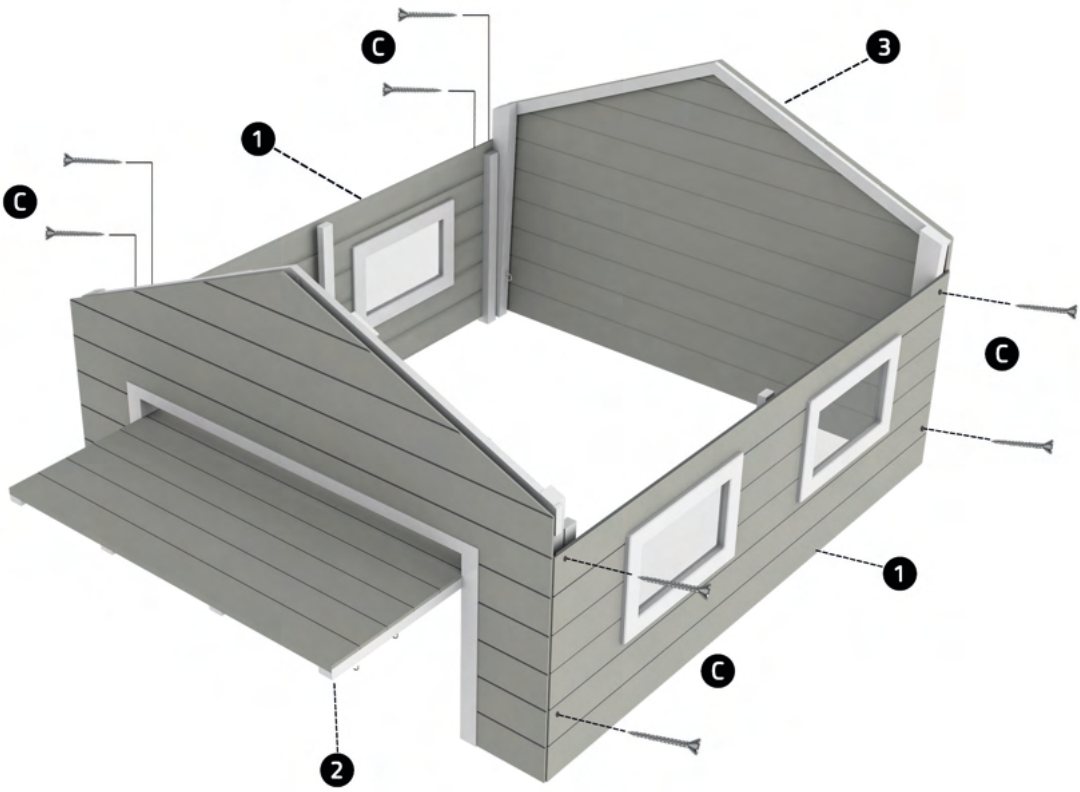
STEP 2

C x 8 Pcs

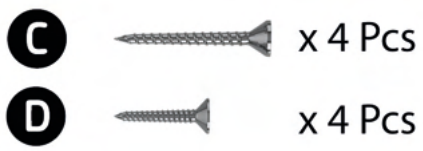


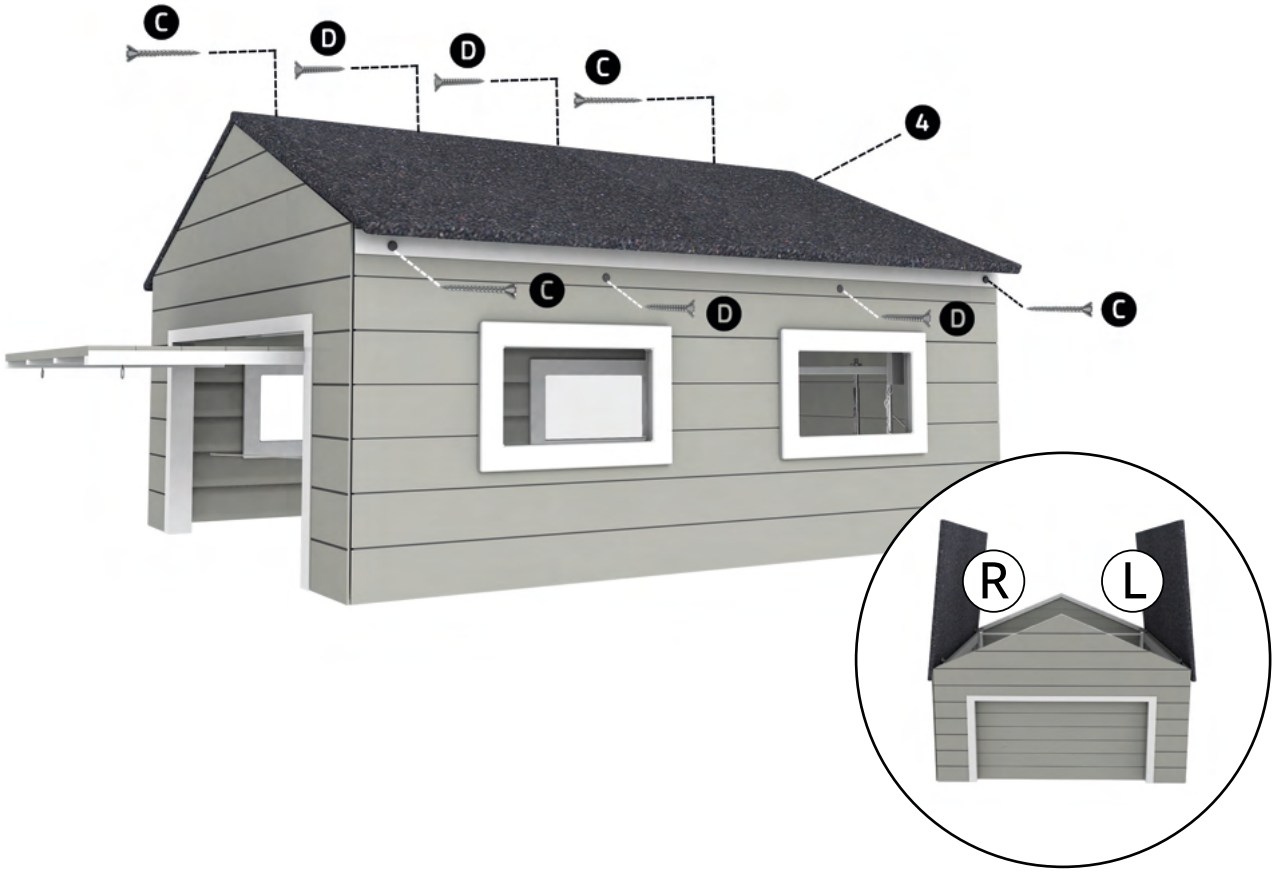
STEP 2 - Base frame assembly

Assemble the base frame using the two side panels (1), back panel (2), and front panel (3).
Fasten the panels together with screws (C).

Important: Make sure all panels are aligned evenly at the bottom.
Also ensure that Side Panel (1) is installed with the pre-cut holes along the top edge, as these holes will be used later to attach the roof.

STEP 3



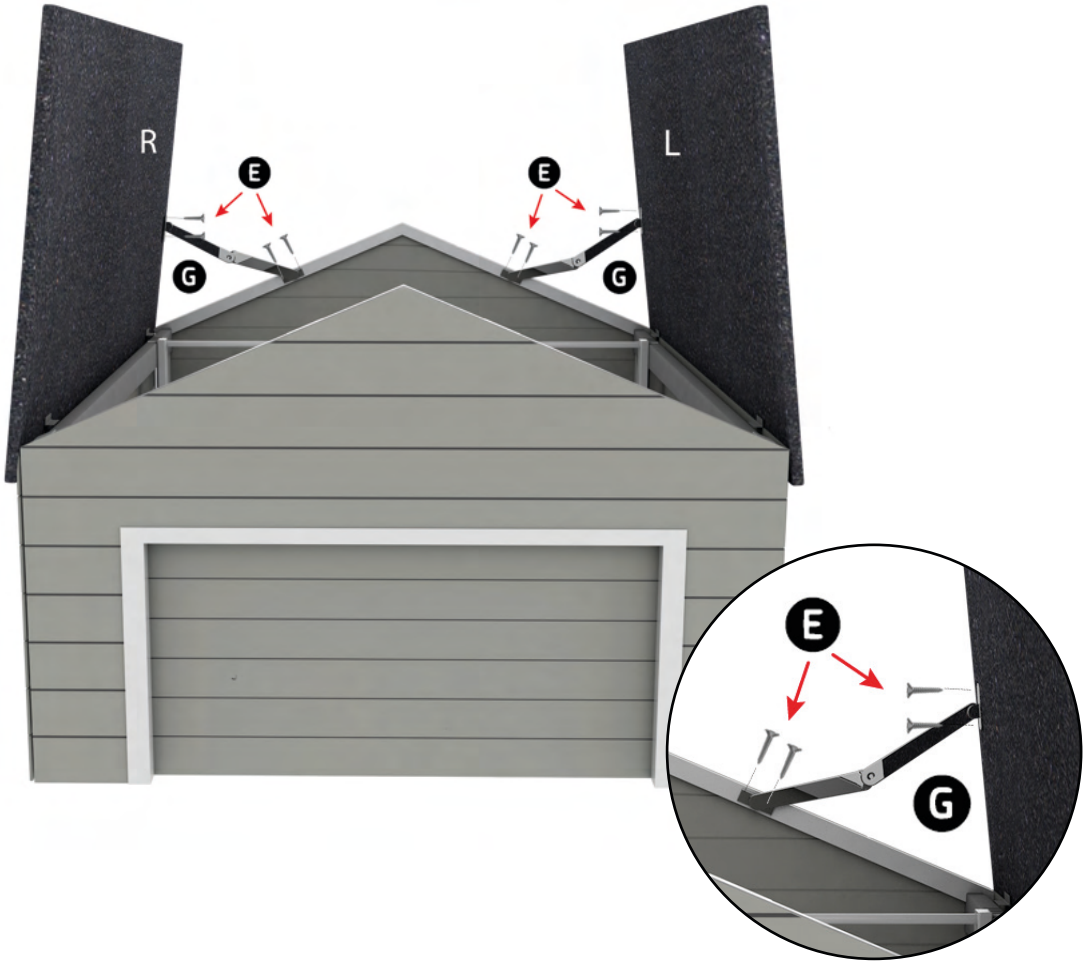


STEP 3 - Attach the Roof (Right and left side)

Mount the two roof panels (4) on the frame, one at a time.
Fasten the roof panel bar (4) securely to the side panels (1) using screws (C) and (D).

Important: Align (4) vertically on (1) before securing with screws (C) and (D).
Place the roof panels (right and left) correctly - see the indicator on the inside of the roof panel.

STEP 4



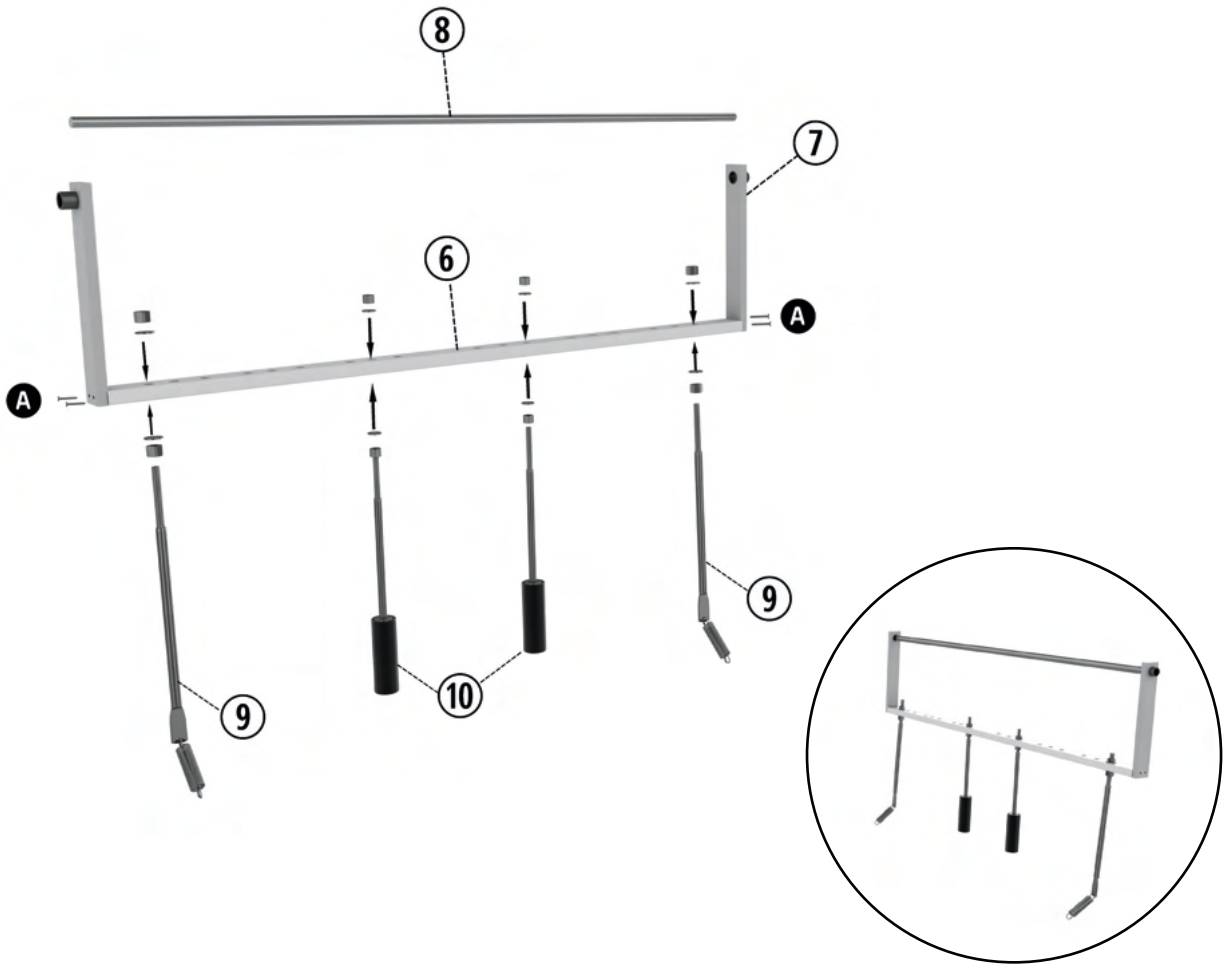
STEP 4 - Hinges (Right and Left side)

Attach the hinges (G) to both the roof and back panel.
Fasten the hinges in place with screws (E).

Important: Ensure (G) is installed on the correct side according to (4) and (G) orientation.

STEP 5

A x 4 Pcs



STEP 5 - Door mechanism assembly

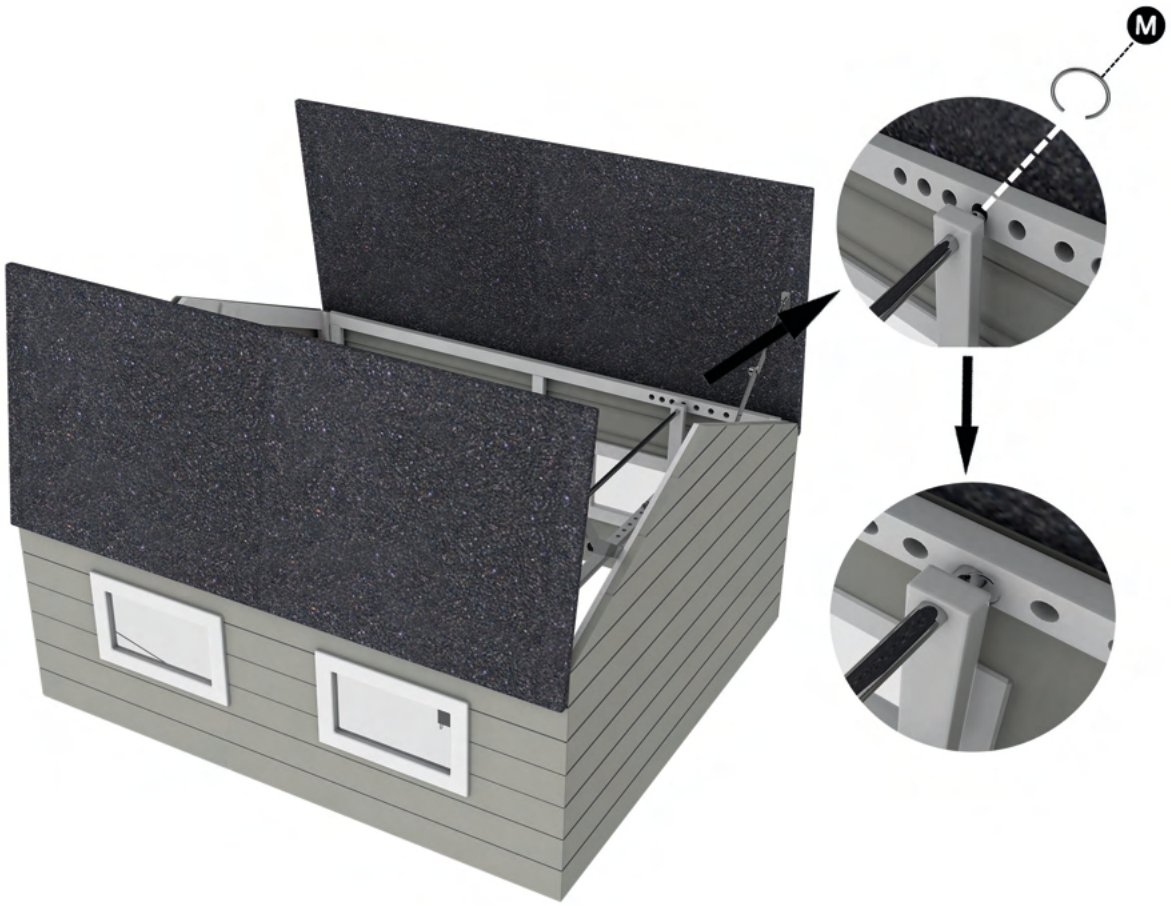
Start by mounting the two wooden side bars (7) onto the wooden bar (6) using screws (A).

Important: Ensure the metal cylinder sticking is facing outward when mounting (7) onto (6).
Attach the metal poles (10) and metal side poles (9) to the wooden bar (6).

Important: Tighten the nuts on (9) and (10) securely on both sides of (6).
Complete the mechanism by inserting the metal bar (8) through the cylinders on the wooden side bars (7).

STEP 6

M x 1 Pc



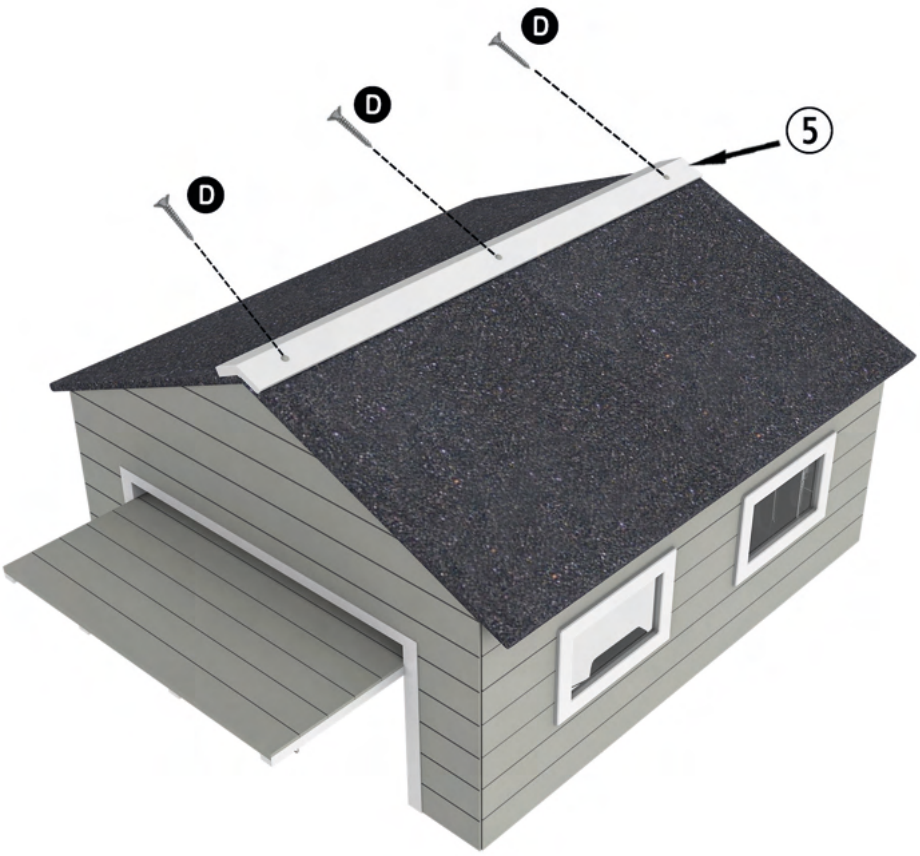
STEP 6 - Mount the door mechanism in the garage

Connect the mechanism to the center hole on the side panel inside the garage.

Important: Locate the small hole in one of the ends of (8).
Secure the mechanism to the garage using the metal ring (M) on (8).
Connect metal side bar (9) using wire (L) to a front door hook (F).

STEP 7

D x 3 Pcs



STEP 7 - Roof cap

Mount the roof cap (5) on top of the roof.
Fasten it in place with screws (D).

STEP 8

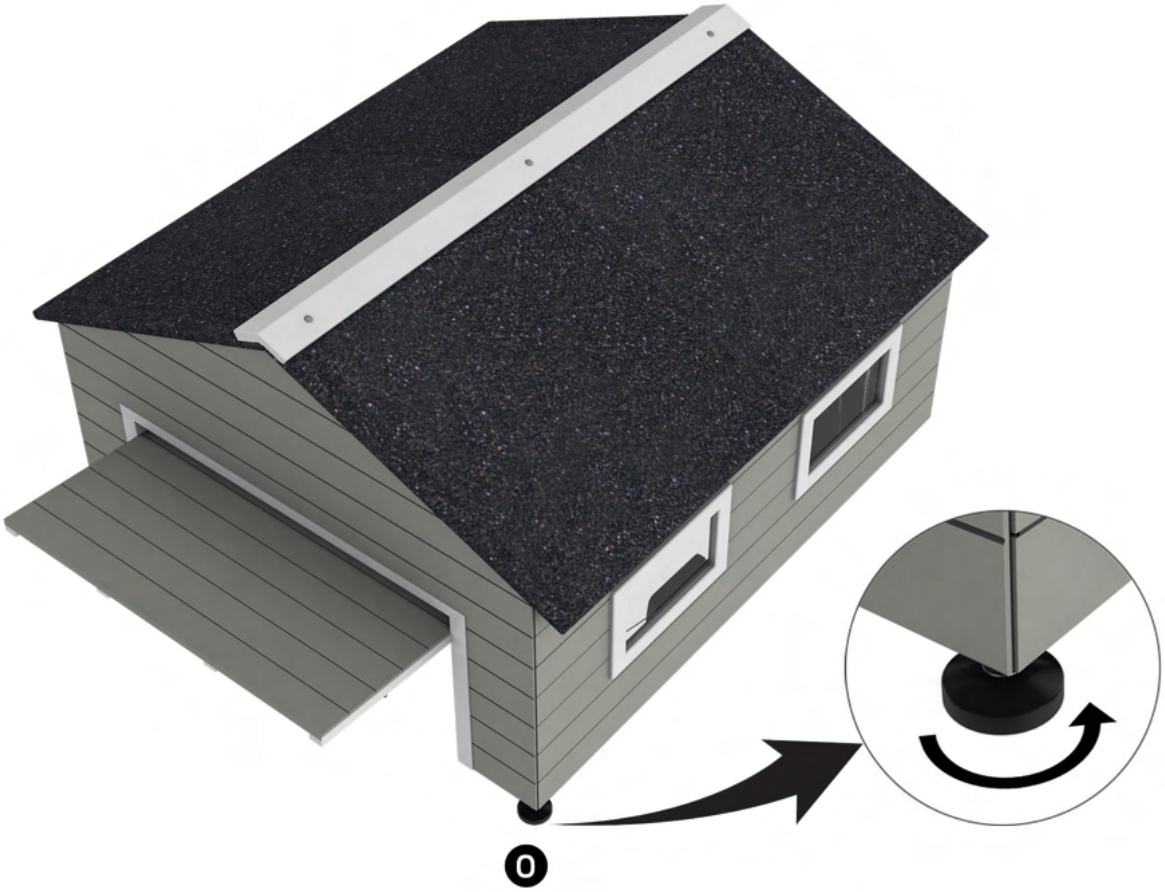
STEP 8 (Optional) - Name Plate, Solar Light and Garage ground anchor

OBS: If you want to install the garage with feet, then go to step 9 before coming back to step 8 and continue.

- Name plate (12), Position where desired and hang it using hooks (K).
- Solar light (H) attach in the chosen location using the screws provided with the solar light.
- Ground anchor (J). Mount the angle bracket to the garage using screws (D). Drive the long spikes (I) into the ground through the angle bracket, to anchor the garage firmly.

STEP 9

Garage feet
(4 Pcs)



STEP 9 - Attach and adjust the feet

Screw the feet onto the bottom corners of the garage.

Important: Adjust the height of the feet so the garage door can move freely.

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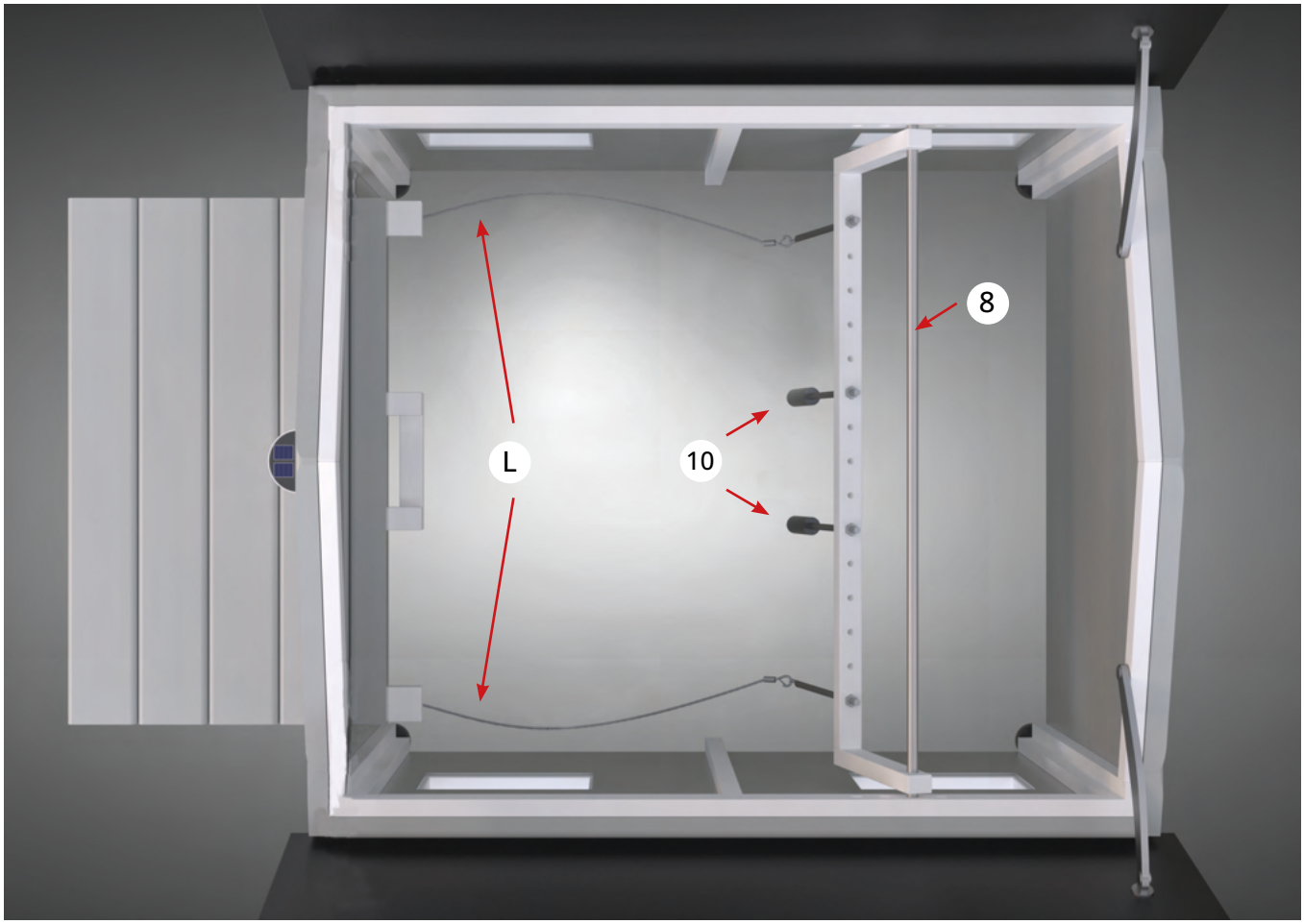
Fitting your robot to the garage



Step 1

Adjust the metal poles (10) to allow the mechanism to move freely.
Ensure the wire (L) is loose.
Place the docking station and the robot inside the garage.

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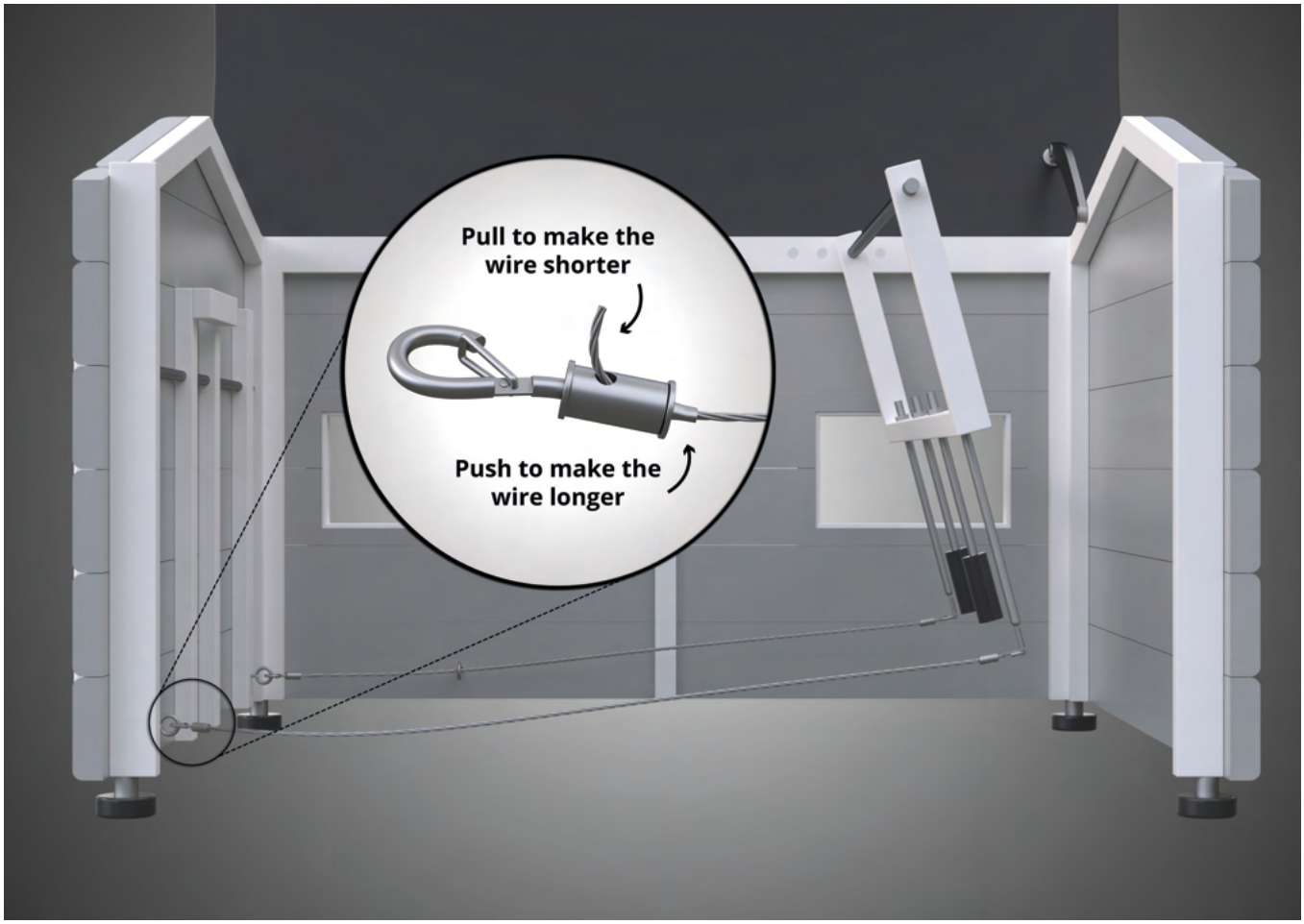

Step 2

Adjust the metal poles (10) and metal bar (8) to match the dimensions of the robot and docking station.
Ensure the angle of the metal poles (10) matches the illustration above.
Adjust the tension on wire (L) so that the door closes properly.

Test: Start the robot, or manually move it back and forth, to confirm the mechanism is correctly adjusted.

Important: (8), (10), and (L) are essential for the mechanism to function properly with the robot. Multiple adjustments may be required before the setup is complete.

Troubleshooting

Door is stuck and won't move
- Revisit STEP 9 and ensure the feet are correctly adjusted.

Robot struggles to close the door via middle poles (10)
- Fine-tune the tension on wire (L).
- Check the height of the middle poles (10) and adjust them to match the robot.
- Remove 1x weight (11)
- Review "Fitting Your Robot to the Garage – Step 1 and 2".

Important:
(8), (10), and (L) are essential for the mechanism to function properly with the robot. Multiple adjustments may be required before the setup is complete.