TRUNKWERKS
INTELLIGENT STORAGE SOLUTIONS

PRECISION | MODULARITY | DURABILITY
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EV ADAPTER PLATFORM

VEHICLE INSTALLATION & USE GUIDE | BMW i4 | V1.7



BMW i4 trunk-side cubby installation orientation reference | V1.7 guide

Purpose. This guide covers installation of the V1.7 printed lower tray, modular bins, removable magnetic carrier, TPU contact pads, and the Lectron adapter into the BMW i4 trunk-side cubby.

NO PERMANENT MODIFICATION

No drilling or permanent vehicle modification is required. The platform is designed to seat in the OEM cubby and remain serviceable/removable.

1 Prepare the OEM cubby

Remove loose items from the trunk-side cubby. Confirm the cubby floor and trim are clean and unobstructed. The green loop sometimes visible near this area is the vehicle's trunk-release cable; do not trap, pinch, glue, or modify it.



Start with the OEM cubby empty and unobstructed.

2 Insert the lower tray at an angle

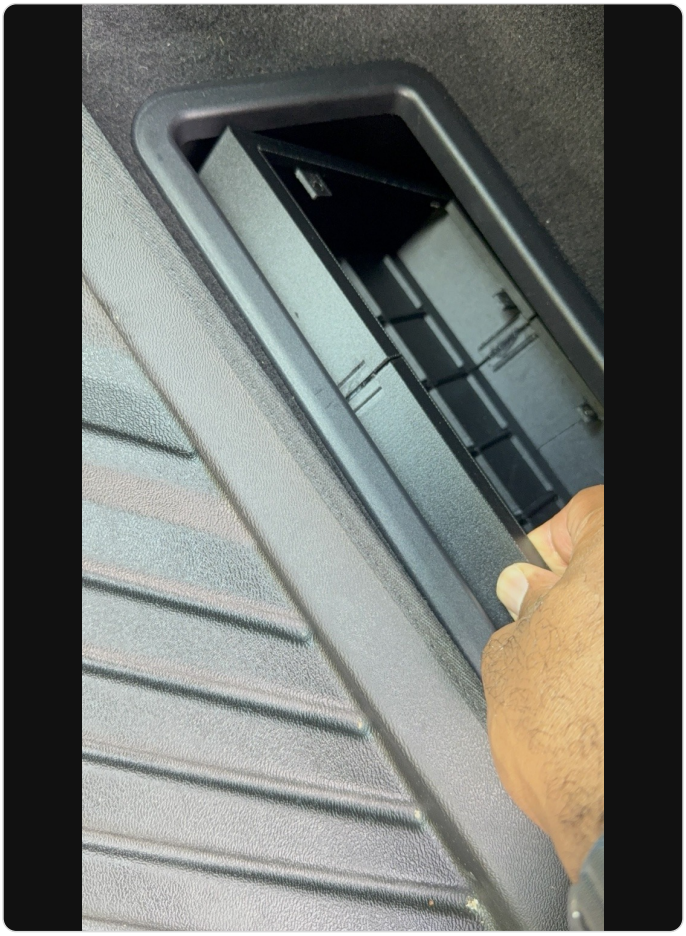
The assembled lower tray does not enter flat. Start with the tray higher and tilted, guide it through the cubby opening, then continue lowering it while maintaining the angle.

2 Insertion sequence

Maintain the insertion angle as the tray passes the OEM trim. Use controlled hand pressure and keep the printed structure aligned with the cubby opening.



A. Start high and angled.



B. Continue into the cubby while angled.

DO NOT FORCE THE TRAY

If it binds, withdraw slightly and restore the insertion angle rather than flexing the printed assembly.

3 Seat the lower tray

Rotate/lower the tray until it rests fully on the bottom of the cubby. The tray is fully seated when it is down on the cubby floor rather than suspended against the opening or side trim.



Correct final position: lower tray fully seated on the cubby floor.

4 Install the Gridfinity bins

Place the supplied bins onto the 5 x 3 Gridfinity base. The bin layout is modular; the photographed arrangement is a validated example rather than the only possible layout.

4 Load the modular storage layer

Seat each bin completely on the printed grid. Keep the carrier receiver and magnet locations unobstructed so the upper carrier can return to its intended position.



Validated bin fit with representative roadside and charging accessories.

ACCEPTANCE CHECK

Bins sit flat, do not rock under light hand pressure, and do not interfere with carrier installation or removal.

5 Install the removable carrier

Hold the carrier on edge and insert it into the opening at an angle. The four white TPU pads face the surrounding contact surfaces and provide compliant contact. Once the carrier clears the opening, rotate it down to the horizontal operating position.



A. Carrier enters on edge / at an angle.



B. Rotate down until the carrier lies flat.

V1.7 RETENTION INTERFACE

Four tray/carrier pairs use eight 8 mm diameter x 3 mm thick neodymium disc magnets. The magnets resist lift; the carrier remains structurally supported by the platform geometry.

6 Seat the adapter

Place the compatible Lectron adapter into the scan-derived indexed pocket. The pocket is shaped to locate the adapter and resist rocking/rolling while keeping it removable by hand.

6 Confirm the final installed state

Confirm the carrier lies flat, all four TPU pads remain in contact, and the adapter is fully seated in the indexed pocket without forcing.



Final installed state with the actual Lectron adapter seated in the indexed pocket.

BENCH-TO-VEHICLE CHECK

The tray is fully seated, bins remain below the carrier, the carrier does not rock, and the adapter can be inserted and removed normally by hand.

Removal

Remove the adapter first. Lift the carrier against magnetic retention and reverse the angled insertion motion. Remove bins if desired. To remove the lower tray, reverse the installation path: lift one side, rotate to the required angle, and guide it out without forcing it against

TPU PAD LOCATION - IMPORTANT

The carrier model does not contain molded pad-location marks. Install all four TPU pads in the demonstrated positions before vehicle use. They belong on the carrier perimeter contact locations shown in the installation photographs: two along one long side and two along the opposite long side, positioned to contact/support the carrier without intruding into the adapter pocket.



Final installed orientation with the Lectron adapter seated in the carrier.

Use & inspection

Periodically check that the tray remains fully seated, all eight 8 x 3 mm carrier-retention magnets remain bonded, TPU pads remain attached, bins remain seated, and the adapter can be inserted and removed without abnormal resistance. Replace or re-bond any loose retention component before continued use.

This product is an independently designed storage accessory and is not manufactured, endorsed, or sponsored by BMW or Lectron. Vehicle and product names are used only to describe compatibility.