GEPRC Vapor-X5

Frame spare part – 5" arm
User manual



Always disconnect the flight battery and remove the propellers before replacing the arm.

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1. Product description

1.1 Purpose

This replacement arm is a genuine GEPRC part for the **GEP-Vapor-X5** frame (the 5" version of the Vapor-X frame). It is made of carbon fibre composite, 5.0 mm thick, and its end carries the motor mount with a 16 × 16 mm hole pattern.

The arm is used to repair the frame after a crash – it replaces a cracked, bent or otherwise damaged arm. The Vapor-X5 frame has a True-X layout in which all four arms are identical, so one spare arm can be fitted in any position.



GEP-Vapor-X5 frame with four identical arms (manufacturer's illustrative photo)

1.2 Specifications and package contents

Product designation	GEPRC Vapor-X frame parts – Arm Plate-X5 (5" arm)
Manufacturer	GEPRC
For frame	GEP-Vapor-X5
Material	carbon fibre composite
Arm thickness	5.0 mm
Motor mounting pattern	16 × 16 mm
Recommended frame propellers	5"
Package contents	1× arm
Not included	screws and other hardware, motor, propellers, 3D-printed arm guard, tools

※ The arm is not intended for the Vapor-X6, Vapor-D5 or Vapor-D6 frames – these use arms of a different length and shape.

2. Use

2.1 Safety during work

- Before any work on the drone, **disconnect the flight battery** and **remove the propellers**.
- Do not sand, drill or cut the carbon fibre composite. The resulting dust irritates the skin and airways and is electrically conductive – it can short-circuit the electronics.
- The edges of a cracked arm can be sharp and frayed. Wear gloves when handling a damaged arm.
- Carbon fibre composite is electrically conductive. Make sure the motor wires and their insulation do not rub against the edges of the arm.
- When flying the drone, follow the regulations of the country in which you fly.

2.2 When to replace the arm

Inspect the arm after every crash. Replace it if you find:

- a visible crack, break or bend in the arm,
- separation of the composite layers (delamination) – typically at the edges and around the holes,
- torn-out or oval-deformed holes for the motor screws or the arm mounting,
- increased vibration that did not disappear after replacing the propellers and checking the motor.

❊ Do not repair a damaged arm with glue. A weakened arm may break in flight.

2.3 Replacing the arm

Follow the assembly instructions supplied with the GEP-Vapor-X5 frame. In general:

① Disconnect the battery and remove the propeller from the damaged arm.

② Unscrew the motor from the arm. The motor wires do not need to be desoldered – let the motor hang freely and make sure the wires are not under tension.

③ Remove the 3D-printed arm guard from the arm (if fitted); you will reuse it on the new arm.

④ Loosen the screws that hold the arm between the frame plates and slide out the damaged arm.

⑤ Insert the new arm in the same orientation as the original one and tighten the frame screws gradually and evenly.

⑥ Screw the motor on. Use screws of the correct length – a screw that is too long can damage the motor windings. We recommend securing the motor screws with medium-strength threadlocker.

⑦ Refit the arm guard, route the motor wires and fit the propeller.

2.4 Check after replacement

- The arm must have no play in the frame – try moving it gently.
- The motor must turn freely, without rubbing and without the wires touching the motor bell.
- The motor wires must not be pinched between the arm and the frame plate or touch the edges of the arm.
- Before the first flight, check the motor direction of rotation without propellers, and only then fit the propellers in the correct orientation.
- Make the first flight after the repair carefully, at a safe distance from people.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

3.2 Disposal

- The arm is a purely mechanical part without electronics or batteries – the take-back of electrical equipment does not apply to it.
- Take the damaged arm to a municipal collection yard or dispose of it with mixed municipal waste according to your municipality's instructions. Do not burn carbon fibre composite.
- The information in this chapter describes the situation in the Czech Republic. In another country, follow the regulations of the state in which you use and dispose of the product.

4. Warranty and rights arising from defective performance

Rights of the buyer under Czech law

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.