Skystars KOKO 2275

Spare motor bell
User manual



Read the entire manual before replacing the bell. Always disconnect the battery and remove the propeller when working on the motor.

Importer: Rotorama, s.r.o. · www.rotorama.com

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1. Product description

1.1 Intended use

Skystars KOKO 2275 – spare bell is an original spare part for the **Skystars KOKO 2275** brushless motor (size 2207.5). Use it when the motor bell has been damaged in a crash – a bent shaft, a cracked or deformed bell, a loose or damaged magnet, or a bell rubbing against the stator.

The bell is the rotating part of the motor. By replacing the bell you can repair the motor without buying a complete new one: the stator with its windings, bearings and wires stays on the frame, soldered to the ESC, and only the damaged upper part is replaced.



Spare bell – view from below with magnets and shaft

1.2 Specifications and package contents

Product designation	Skystars KOKO 2275 – spare bell
Manufacturer	Skystars
For motor	Skystars KOKO 2275 (size 2207.5)
Bell design	unibell
Magnets	N52H, arc-shaped
Shaft	Ø 5 mm, hollow, titanium alloy
Bell weight	not specified by the manufacturer

Package contents

- 1× Skystars KOKO 2275 bell with magnets and shaft (see photo)

Not included

- stator with windings and bearings, motor wires and screws, propeller and nut,
- shaft retainer and washers (not listed in the package contents – reuse the original ones).

2. Use

2.1 What else you need

- the Skystars KOKO 2275 motor whose bell you want to replace,
- a suitable tool to remove the shaft retainer (e.g. circlip pliers or a small screwdriver) and a hex key for the motor screws,
- a clean workbench free of metal filings and small metal objects.

2.2 Replacing the bell

① Disconnect the battery and remove the propeller.

② If you need access to the underside of the motor, unscrew the motor from the frame arm. There is no need to unsolder the wires from the ESC.

③ On the underside of the motor, remove the shaft retainer and the washers. Note their order and keep them – you will need them for the new bell.

④ Pull the bell off the stator along the shaft axis. The magnets pull the bell towards the stator, so expect noticeable resistance. Do not lever between the bell and the stator with a screwdriver – you will damage the winding insulation.

⑤ Inspect the stator: the winding enamel must not be damaged or show signs of burning, and the bearings must turn freely without rubbing. Remove dirt and metal filings.

⑥ Slide the new bell with its shaft into the stator bearings. The magnets will snap the bell in over the last few millimetres – hold it firmly and keep your fingers out from between the bell and the stator.

⑦ Refit the washers and the shaft retainer in the same order as originally. The retainer must seat correctly.

⑧ Screw the motor back onto the frame (if you removed it). The screw must not pass through the motor base into the windings.

2.3 Checks after replacement

- Turn the bell by hand – it must rotate freely, without rubbing, clicking or noticeable up-and-down play.
- Test the motor **without a propeller**, e.g. on the *Motors* tab in Betaflight Configurator. It must run smoothly, without stuttering or unusual noise. Replacing the bell does not change the direction of rotation.
- Only then fit the propeller and tighten it firmly with the nut. Hold the bell, not the propeller, while tightening.
- After the first short flight, carefully feel the motor – it must not be noticeably warmer than the other motors.

2.4 Safety instructions

- Always disconnect the battery and remove the propeller when working on the motor.
- The bell contains strong permanent magnets. Risk of pinched fingers. Protect it from metal filings and small metal objects and do not store it near magnetic cards or sensitive electronics.
- Do not use a bell with a bent shaft, a cracked bell or a loose magnet.
- This product is not a toy. It contains small parts and magnets – keep it out of the reach of children.

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 bell itself is a metal part with permanent magnets and contains no electronics or batteries. Hand in a discarded bell for metal recycling, e.g. at a collection yard. Do not dispose of it in mixed municipal waste.
- If you are discarding the complete motor, hand it in as electrical equipment at a take-back point – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

4. Warranty and rights arising from defective performance

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.