

HPS2 ROTOR HEAD [H0428-K]

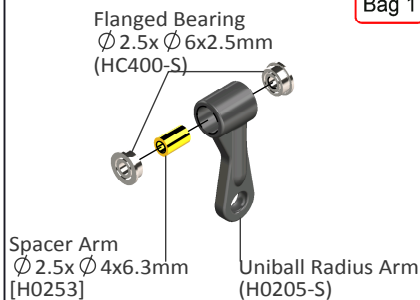


H0428M_Rev01

Please read this user manual carefully, it contains instructions for the correct assembly of the KIT.
Please refer to the website www.goblin-helicopter.com for updates and other important information. Thanks You.

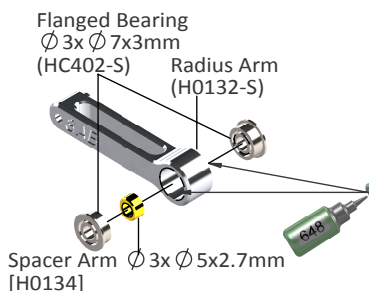
Uniball Radius Arm Assembly ... x 2

Bag 1



Radius Arm Assembly ... x 2

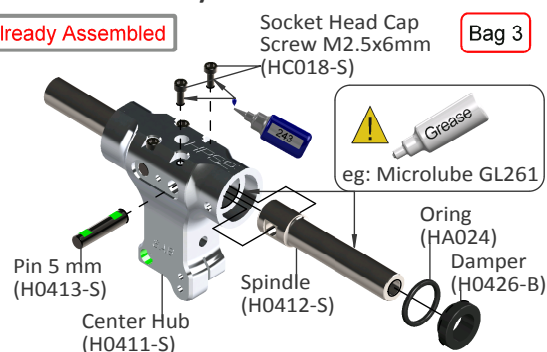
Bag 2



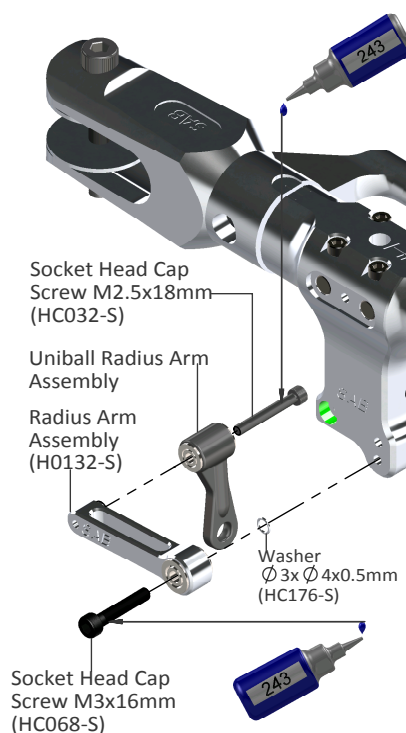
Center Hub Assembly

Already Assembled

Bag 3

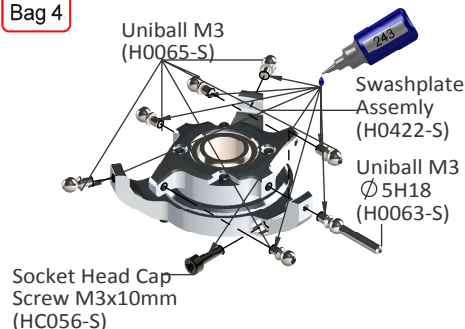


Bag 6 Bag 9



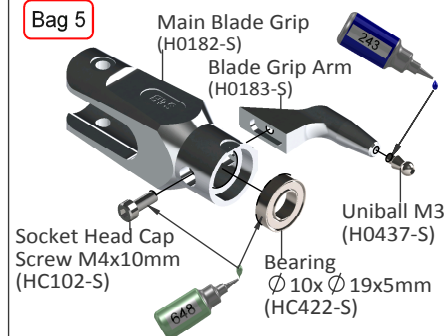
Swashplate Assembly

Bag 4

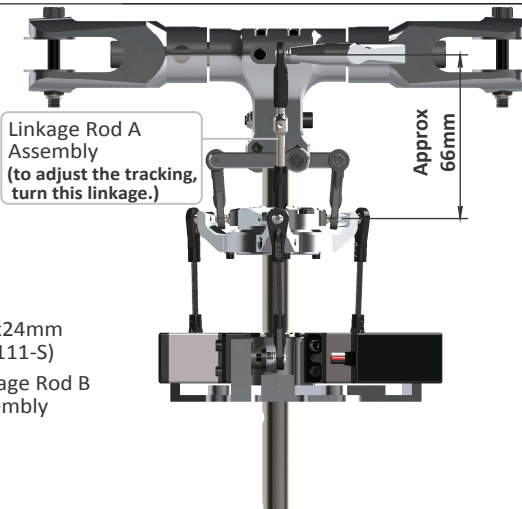
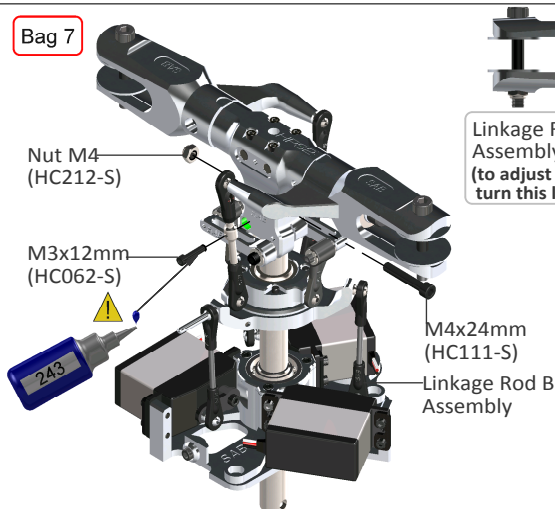


Main Blade Grip Assemblyx2

Bag 5

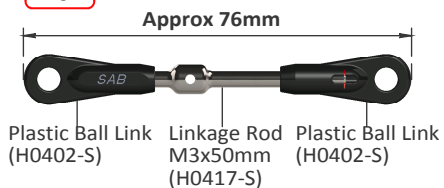


Bag 7



Linkage Rod A Assembly ... x2

Bag 8



(Initial length for the rods from the swashplate to the Blade Grip.)

ABOUT HPS2

The new HPS 2 head offers an independent dampening system for each blade grip, there are three dampening settings:

A = Soft for smooth response.

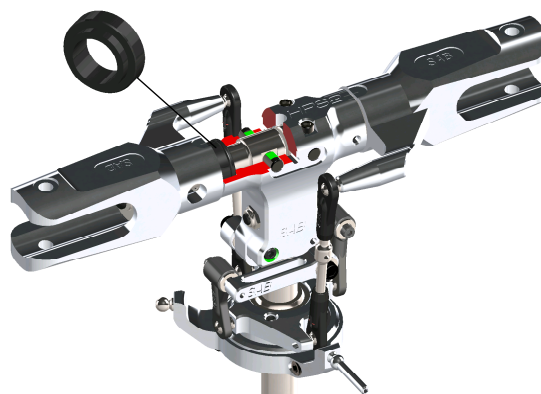
B = Medium.

C = Firm for direct and precise response.

We recommend starting with the medium setting.



For safety reasons we suggest to not exceed 2300 rpm.



RECOMMENDATIONS

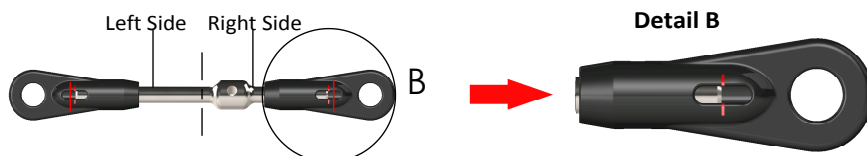
- These parts should be used only with models SAB Goblin 630, 700, 770, Speed, URUKAY
- Please follow all the instructions shown in the Goblin main manual. In this manual please read Chapter 2, Important notes
- Use Loctite on all threads.
- Put a small amount of grease inside the hub and the O-Ring.
- Check the spindle for axial play at least after the first few flights and add shims as necessary, slight axial preload is optimal.
The blade grips must move freely, but they should not move just under their own weight.
- Firmly tighten the blades before flight.

TIPS:

- * To remove the dampeners, you can use a flathead screwdriver through the hole as shown.



- * Clock-wise, counter clock-wise thread
- * By turning the linkages you can adjust tracking. If tracking is adjusted correctly, you'll see the metal part line up around in the center of the opening.



SPARE PARTS

Radius Arm [H0132-S]



- 2 x Radius Arms.
- 2 x Spacer Arm $\varnothing 3x \varnothing 5x 2.7mm$.
- 2 x Spacer Arm $\varnothing 2.5x \varnothing 4x 6.3mm$.
- 2 x Uniball Radius Arms.
- 2 x Socket Head Cap Screws M3x16mm.
- 2 x Socket Head Cap Screws M2.5x18mm.
- 2 x Washers $\varnothing 3x \varnothing 4x 0.5mm$.
- 2 x Flanged Bearings $\varnothing 2.5x \varnothing 6x 2.5mm$.
- 2 x Flanged Bearings $\varnothing 3x \varnothing 7x 3mm$.

Blade Grip [H0182-S]



- 2 x Blade Grip.
- 2 x Thrust Bearing $\varnothing 10x \varnothing 18x 5.5mm$.
- 4 x Bearing $\varnothing 10x \varnothing 19x 5mm$.
- 2 x Washer $\varnothing 10x \varnothing 16x 1mm$.
- 2 x Bottom Head Cap Screw M4x8mm.

Blade Grip Arm [H0183-S]



- 2 x Blade Grip Arm.
- 2 x Socket Head Cap Screw M4x10mm.
- 2 x Uniball M3x3.5 $\varnothing 5 H5.5$.

Center Hub [H0411-S]



- 1 x Center Hub.
- 2 x Socket Head Cap Screws M3x12mm.
- 1 x Socket Head Cap Screw Shouldered M4x25mm.
- 1 x Metric Hex Nylon Nut M4.

Spindle Shaft [H0412-S]



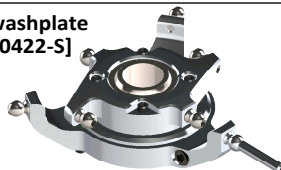
- 2 x Spindle Shaft.
- 2 x Pin 5mm.
- 4 x Socket Head Cap Screw M2.5x6mm.
- 2 x Socket Head Cap Screw M6x10mm.
- 2 x Washer $\varnothing 6,3x \varnothing 15x 1$.

Linkage [H0417-S]



- 2 x Linkages M3x50mm.
- 4 x Plastic Ball Links.

Swashplate [H0422-S]



- 1 x Swashplate Assembly.
- 2 x Bearings $30x \varnothing 37x 4mm$.
- 6 x Uniballs M3x4 $\varnothing 5 H3$.
- 1 x Uniball M3x4 $\varnothing 5 H18$.
- 3 x Socket Head Cap Screws M2x5mm.
- 4 x Socket Head Cap Screws M2x8mm.
- 3 x Swasher $\varnothing 2x \varnothing 5x 0.5mm$

Damper Derlin [H0426-S]



- 3 x H0426-A.
- 3 x H0426-B.
- 3 x H0426-C.
- 3 x Washers $\varnothing 10x \varnothing 16x 1mm$.
- 3 x Washers $\varnothing 10x \varnothing 16x 0.2mm$.
- 3 x Orings 3050.

Uniball M3x3.5 $\varnothing 5 H5.5$ [H0437-S]



- 2 x Uniball M3x3.5x $\varnothing 5 H5.5$.