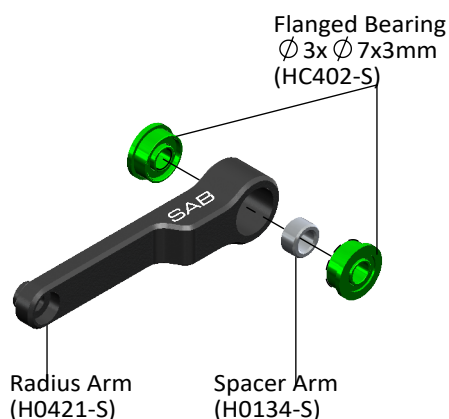


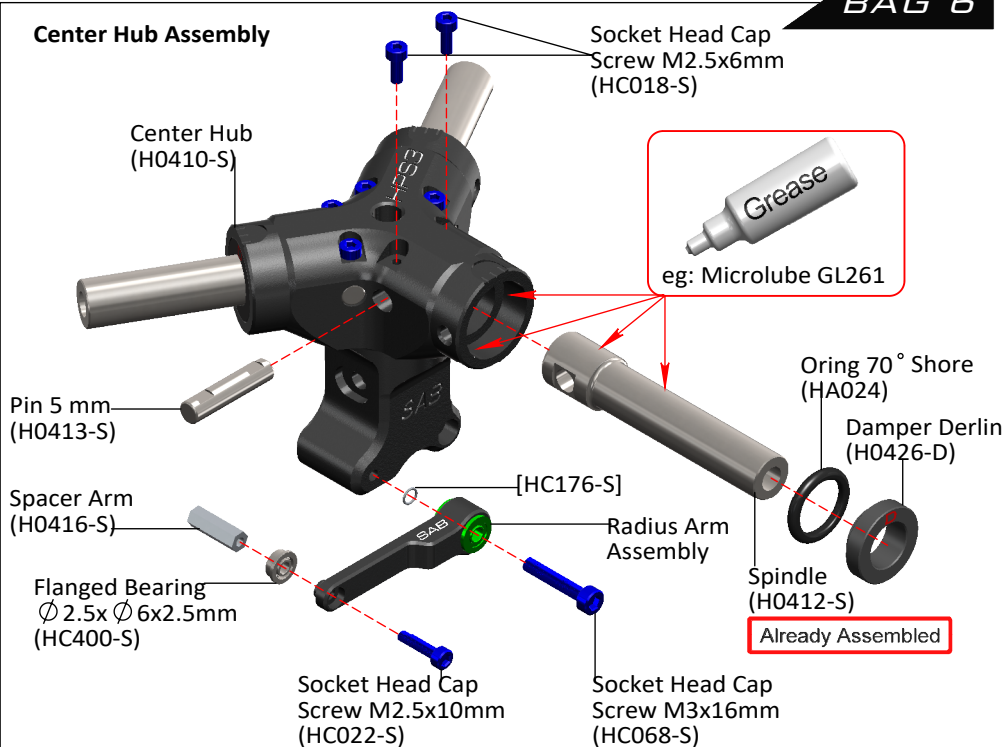


This page repalce page 11 and 12 of the 2 blades Kraken manual.

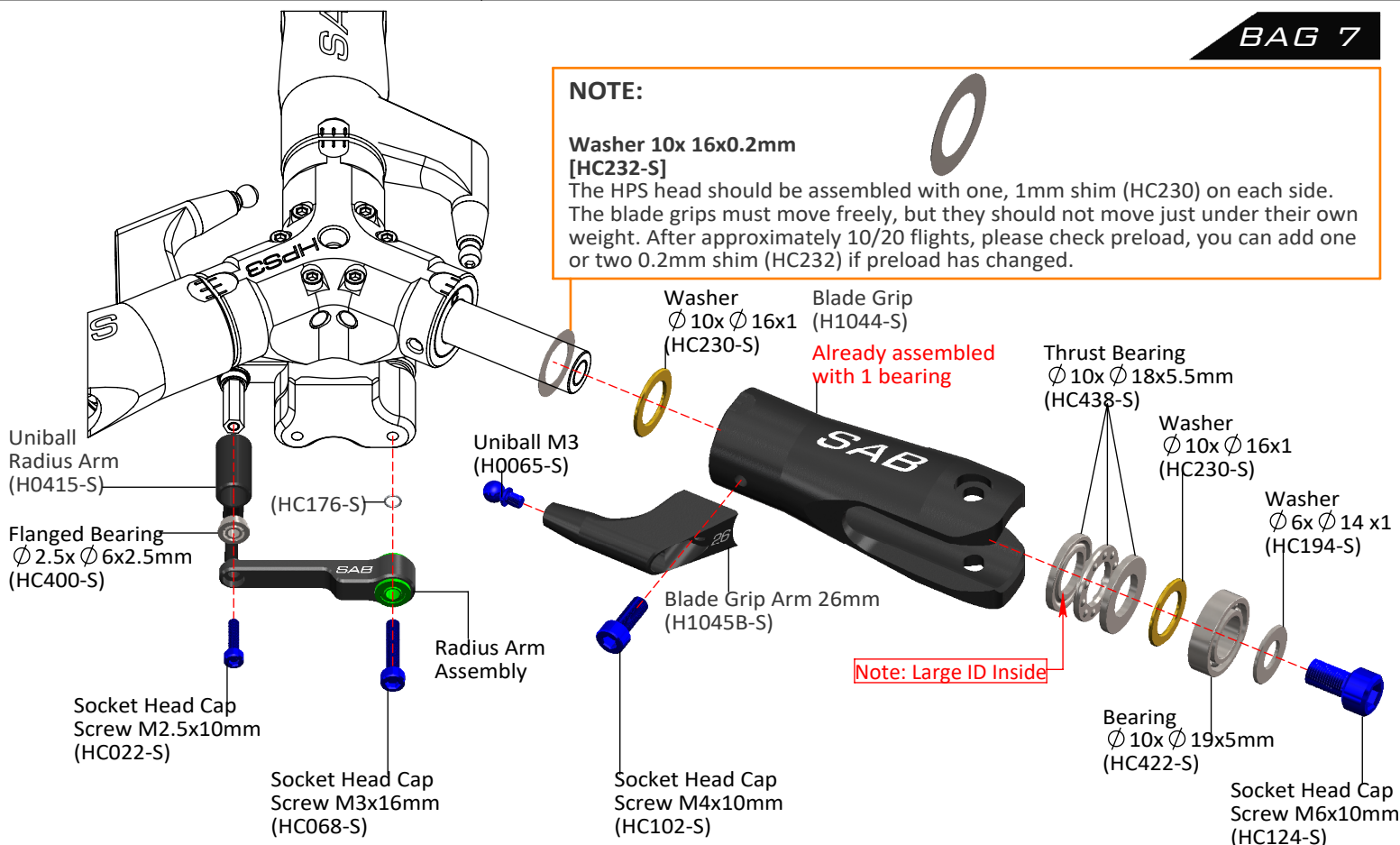
Radius Arm Assembly ... x 2



Center Hub Assembly

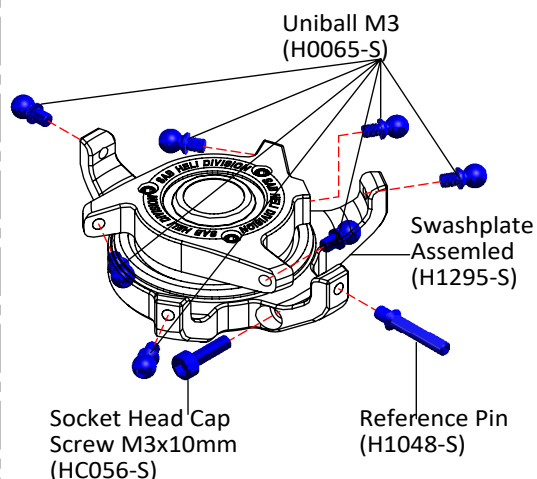


BAG 6

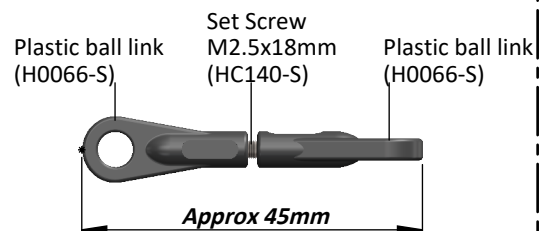


BAG 7

Swashplate Assembly

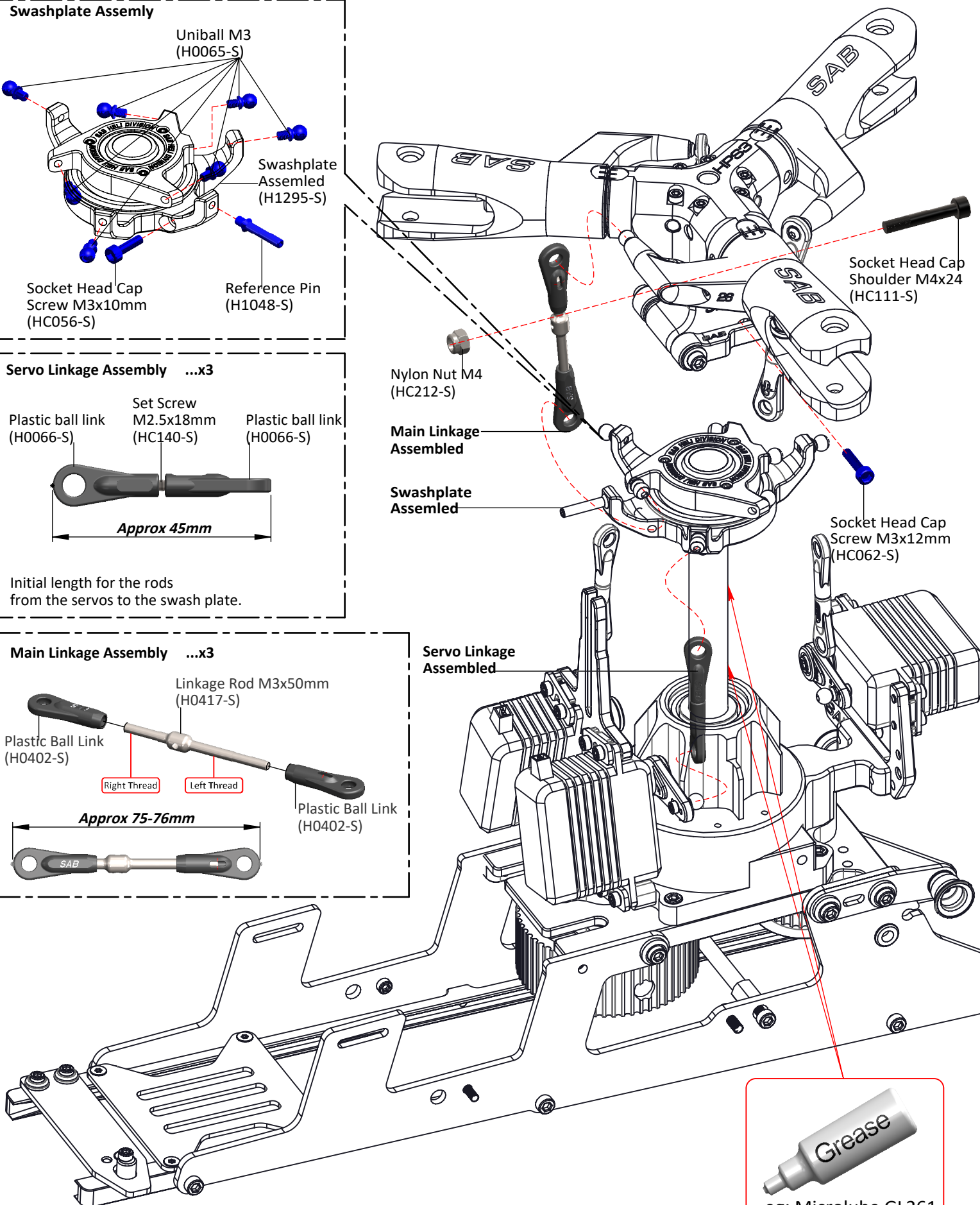
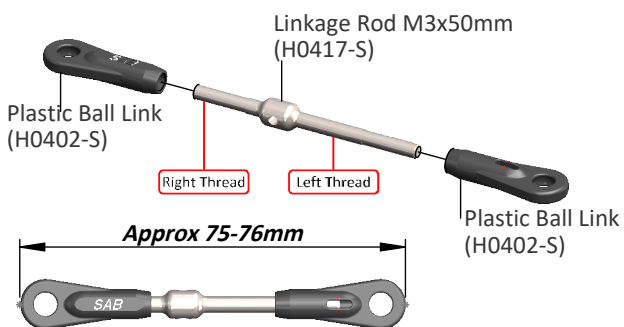


Servo Linkage Assembly ...x3



Initial length for the rods from the servos to the swash plate.

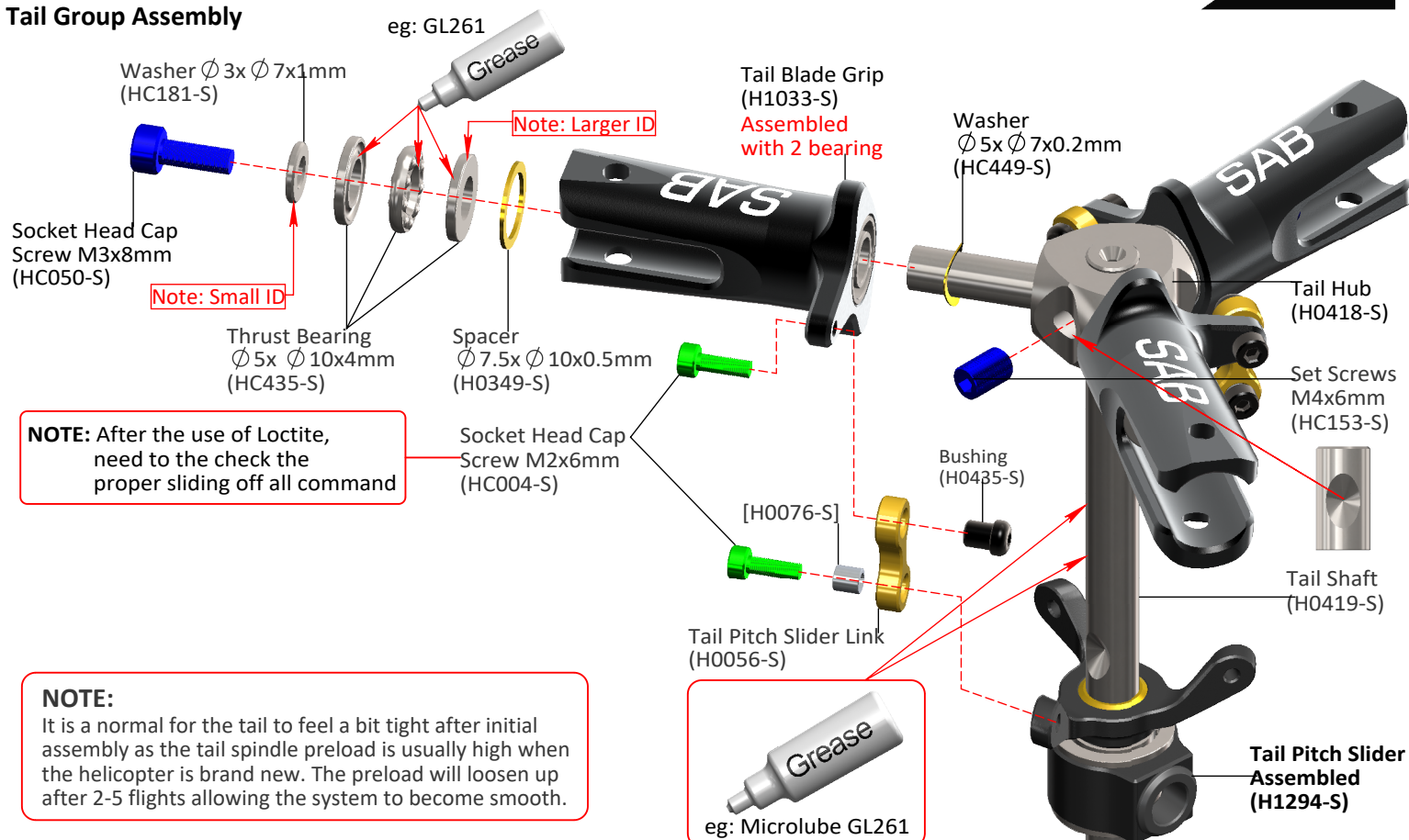
Main Linkage Assembly ...x3



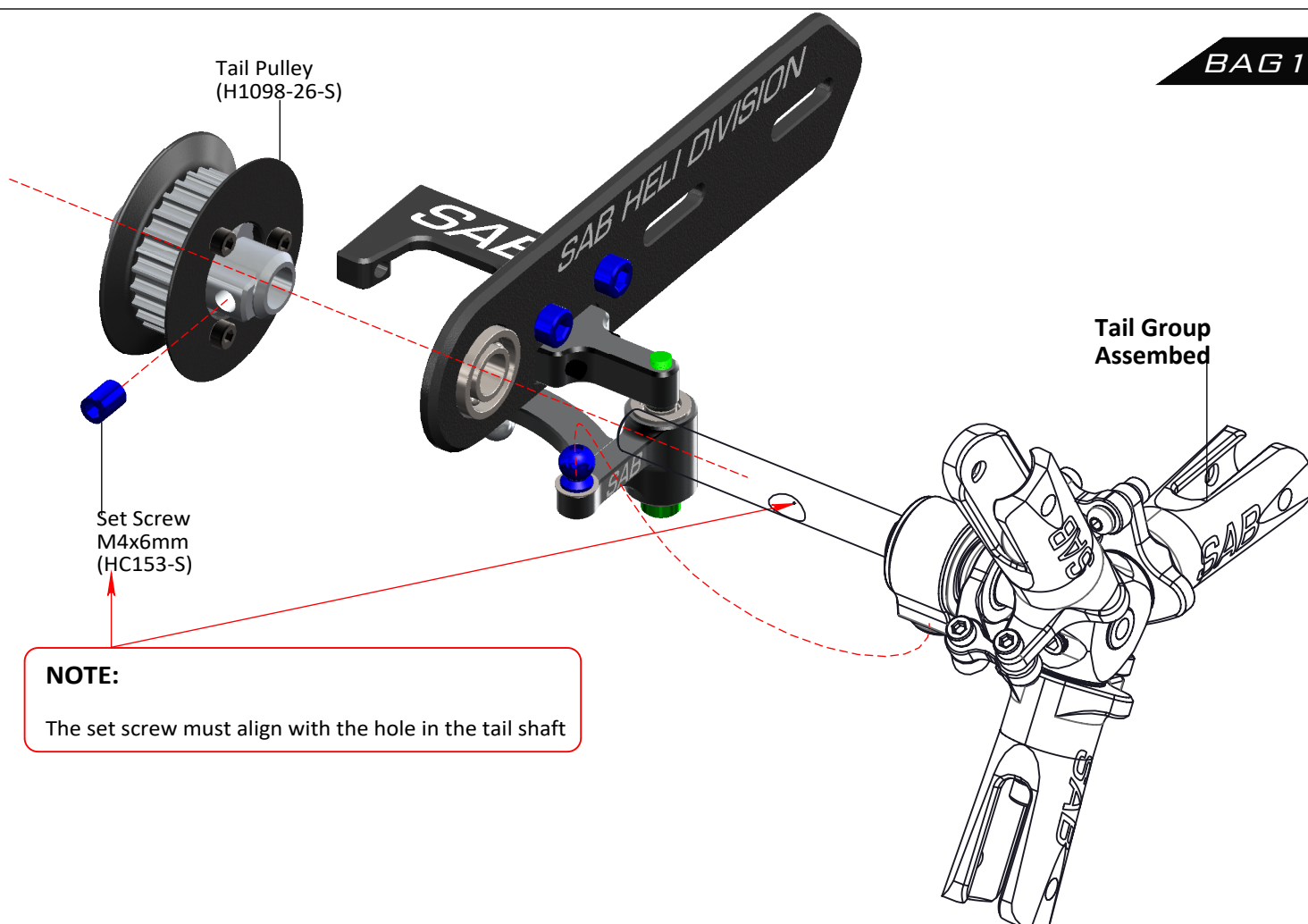
This page replace page 15 and 16 of the 2 blades Kraken manual.

BAG 9

Tail Group Assembly



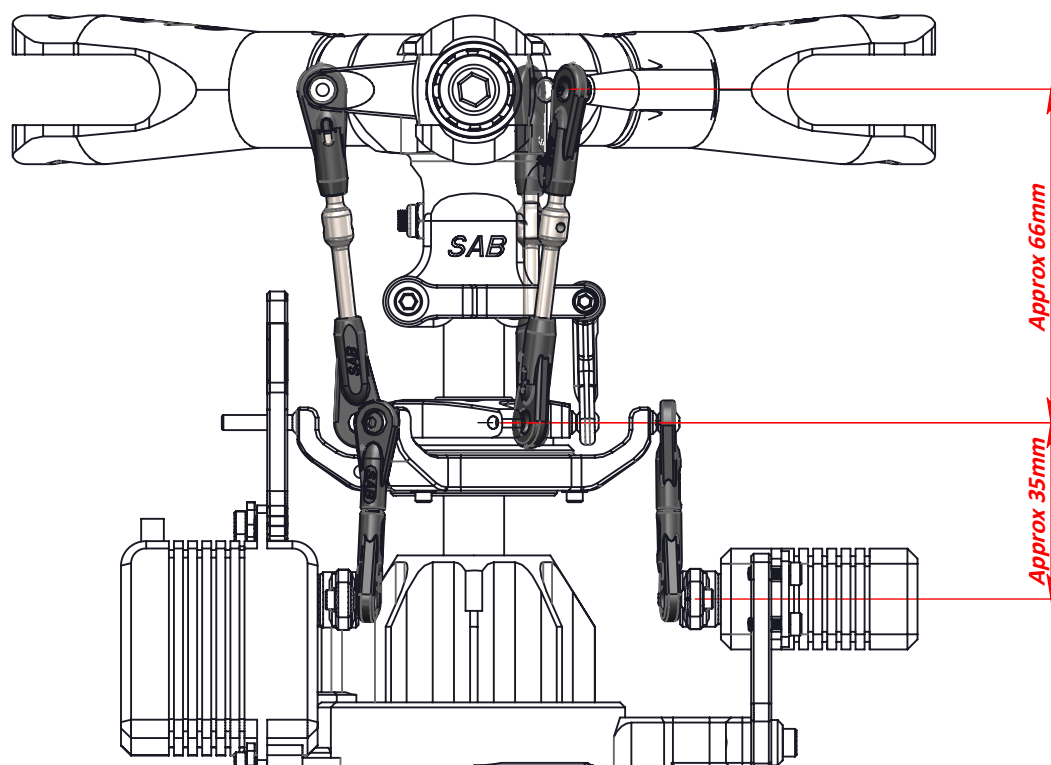
BAG 10



This page replaces page 14 of the 2 blades Kraken manual.

Head HPS Version Preliminary Setup

Adjust the linkage as shown. The linkage Rod A has thread right/left. Turning, you can change the tracking without disconnecting the plastic ball link.



ABOUT HPS3

The HPS3 head offers an independent dampening system for each blade grip, there are two dampening settings:

- C = Firm for direct and precise response.**
- D = Full Rigid.**

In the kit, there is the damper D, **H0426-D**
You can find **H0426-C** (damper C) and **HA038-S** (Oring 90°) in **Bag 26**.

SETUP

3 blade rotor heads require a much lower cyclic gain on flybarless systems.

We recommend that you set your gain at least 30% lower than the gain you normally use on your 2 blade rotor head helicopters. You can start increasing the gain after you complete your first flight. Running too high of a gain can induce a violent oscillation that can potentially cause damage to your helicopter in flight.

With 3 blades rotor head, it is very important to have a perfect tracking. Often, unusual vibration are determined by wrong tracking.

If you fly with a headspeed lower than 1800 rpm, to have greater authority on the tail rotor, you can try the 115 mm tail blades.

TRANSMISSION SETUP

It is important to choose the right reduction ratio to maximize efficiency based on your required flight performance.

It is recommended to use wiring and connectors appropriate for the currents generated in a helicopter of this class.

If you are using a head speed calculator which requires a main gear and pinion tooth count, use 216 teeth for the main gear (this takes into account the two stage reduction) and the tooth count of your pulley as the pinion count.

BELOW IS A LIST OF AVAILABLE REDUCTION RATIOS:

H0175-18-S - **18T** Pinion = ratio **12.1:1**

H0175-22-S - **22T** Pinion = ratio **9.9:1**

H0175-19-S - **19T** Pinion = ratio **11.5:1**

H0175-23-S - **23T** Pinion = ratio **9.5:1**


H0175-20-S - **20T** Pinion = ratio **10.9:1**

H0175-24-S - **24T** Pinion = ratio **9.1:1**

H0175-21-S - **21T** Pinion = ratio **10.4:1**

H0175-25-S - **25T** Pinion = ratio **8.7:1**

Some example configurations:

GOBLIN KRAKEN 3 BLADES CONFIGURATIONS					
Rev:01					
Battery	Motor	ESC	Pinion (a, b c)	RPM Max (a, b, c)	Pitch
12S 4200/5500 mAh	Xnova 4530-525	HobbyWing 200A	19T / 20T / 21T	1900/2000/2100 	± 13
	Scorpion HKIII 4525-520	Tribunus II 14-200A			
	Kontronik Pyro 800-480	Kosmic 200A	21T / 22T / 23T		
		YGE 205HVT			



Note: For safety reasons we suggest to not exceed 2000rpm.

SPARE PARTS

Center Hub [H0410BM-S]



- 1 x Center Hub.
- 2 x Socket Head Cap M4x24mm.
- 2 x Socket Head Cap M3x12mm.
- 1 x Nylon Nut M4.

Spindle [H0412-S]



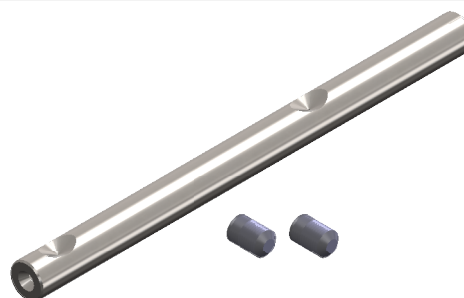
- 2 x Spindle Shaft.
- 2 x Pin 5mm.
- 4 x Head Cap Screw M2.5x6mm.
- 2 x Head Cap Screw M4x10mm
- 2 x Washer Ø6,3 x Ø15 x 1mm

Tail Hub [H0418-S]



- 1 x Tail Hub.
- 1 x Set Screw M4x6mm.
- 3 x Head Cap Screws M3x8mm.
- 3 x Washer Ø3xØ7x1mm.
- 3 x Washer Ø5xØ7x0,2mm.

Tail Shaft [H0419-S]



- 1 x Tail Shaft.
- 2 x Set Screws M4x6mm.

Radius Arm [H0421-S]



- 2 x Radius Arms.
- 2 x Spacer Arm Ø3x Ø5x2.7mm.
- 1 x Spacer Hex.
- 1 x Uniball Radius Arms.
- 2 x Head Cap Screws M3x16mm.
- 2 x Head Cap Screws M2.5x10mm.
- 2 x Flanged Bearings Ø2.5x Ø6x2.5mm.
- 4 x Flanged Bearings Ø3x Ø7x3mm.

Damper [H0426-S) [H0426-D-S)



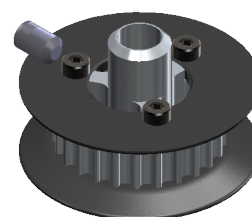
- 3 x H0426-A.
- 3 x H0426-B.
- 3 x H0426-C.
- 3 x Washers Ø10x Ø16x1mm.
- 3 x Washers Ø10x Ø16x0.2mm.
- 3 x Orings 3050.

Pin M2 [H0435-S]



- 3 x Pin M2.
- 3 x Spacer Ø2x Ø3x3mm.
- 3 x Tail Pitch Slider Link.
- 6 x Head Cap Screws M2x6mm.

Tail Pulley 26T [H1098-26-S]



- 1 x Tail pulley 26T.
- 1 x Set Screw M4x6mm.

Tail Pitch Slider [H1294-S]



- 1 x Tail Pitch Slider Assembled.

Swashplate [H1295-S]



- 1 x Swashplate Assembly.
- 7 x Uniball M3.
- 1 x Reference Pin.

SPARE PARTS

Orange Tail Boom Kraken
[H1074-S]



- 1 x Orange Tail Boom Kraken.
- 2 x Locking Element Tail.
- 4 x Metric Hex Nylon Nuts M3.
- 2 x Double Sided Tapes.
- 1 x Nut Block.

Orange Canopy Kraken
[H1075-S]



- 1 x Orange Canopy Kraken.
- 2 x Canopy Grommet.

Orange Low Side Frame SX
[H1080-S]



- 1 x Orange Low Side Frame SX.

Orange Low Side Frame DX
[H1081-S]



- 1 x Orange Low Side Frame DX.

Yellow Canopy Kraken
[H1137-S]



- 1 x Yellow Canopy Kraken.
- 2 x Canopy Grommet.

Yellow Tail Boom Kraken
[H1142-S]



- 1 x Yellow Tail Boom Kraken.
- 2 x Locking Element Tail.
- 4 x Metric Hex Nylon Nuts M3.
- 2 x Double Sided Tapes.
- 1 x Nut Block.

Yellow Low Side Frame DX
[H1143-S]



- 1 x Yellow Low Side Frame SX.

Yellow Low Side Frame SX
[H1144-S]



- 1 x Yellow Low Side Frame DX.

SPARE PARTS

Tail Boom Kraken KSE
[H1325-S]



- 1 x Tail Boom Kraken KSE.
- 2 x Locking Element Tail.
- 4 x Metric Hex Nylon Nuts M3.
- 2 x Double Sided Tapes.
- 1 x Nut Block.

Canopy Kraken KSE
[H1326-S]



- 1 x Canopy Kraken KSE.
- 2 x Canopy Grommet.

Low Side Frame SX KSE
[H1327-S]



- 1 x Low Side Frame SX KSE.

Low Side Frame DX KSE
[H1328-S]



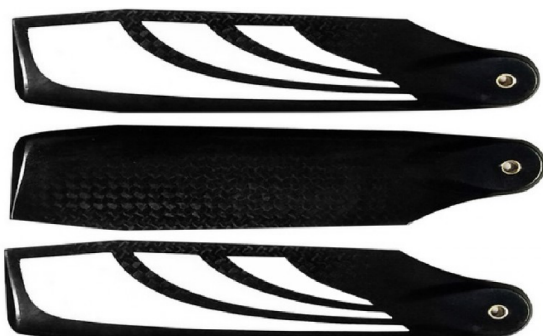
- 1 x Low Side Frame DX KSE.

MAIN BLADES
6903TBS



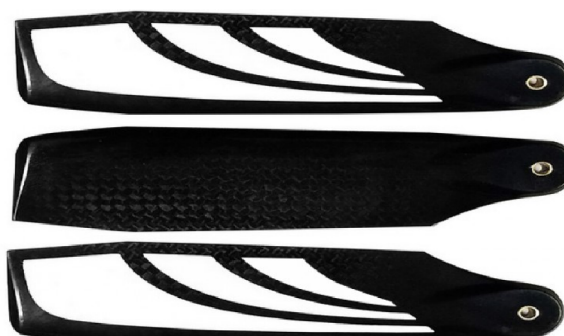
- 3 x Main Blade 690mm.

TAIL BLADES
1053TBS



- 3 x Tail Blade 105mm.

TAIL BLADES (OPTION)
1153TBS



- 3 x Tail Blade 115mm.