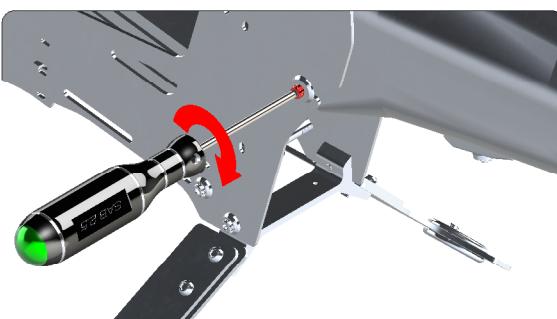


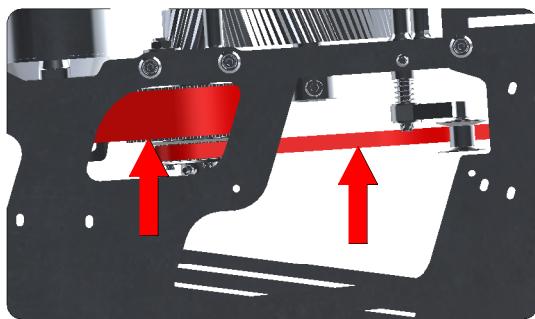
# CHECK LIST 1

## First Flight of the Day

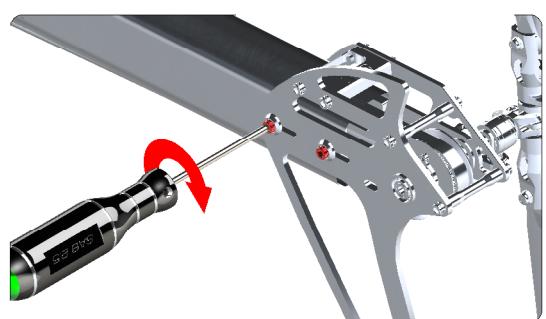
**1** Check the 2 M3x12 Tail boom screws. Ensure they are tight.



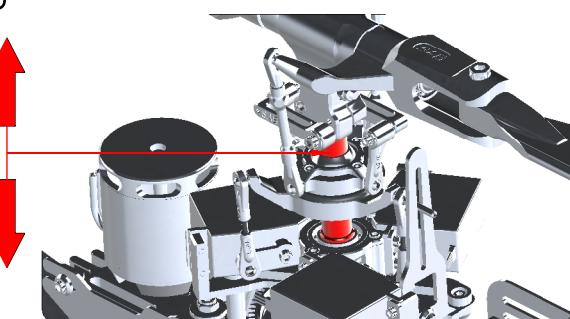
**2** Check Tail & Motor belt tension. The tension has to be tight.



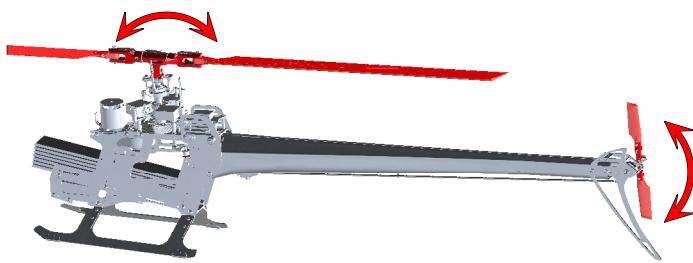
**3** Check the 4 M3x12 Tail group screws. Ensure they are tight.



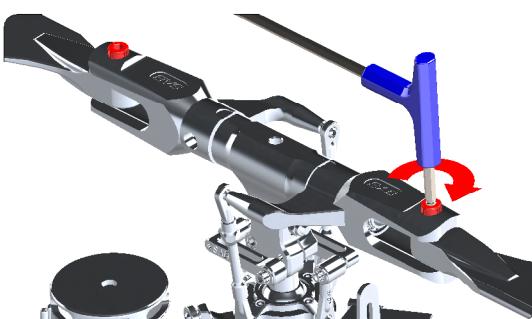
**4** Check for vertical play of the main shaft.



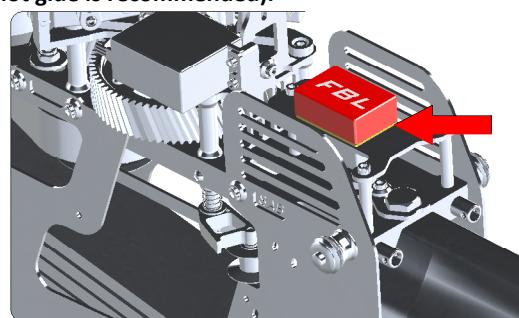
**5** Check the dampening on the main and tail rotor to be the same as always.



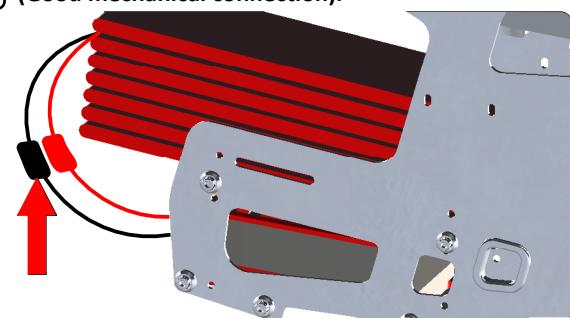
**6** Tighten the main blades before flight.



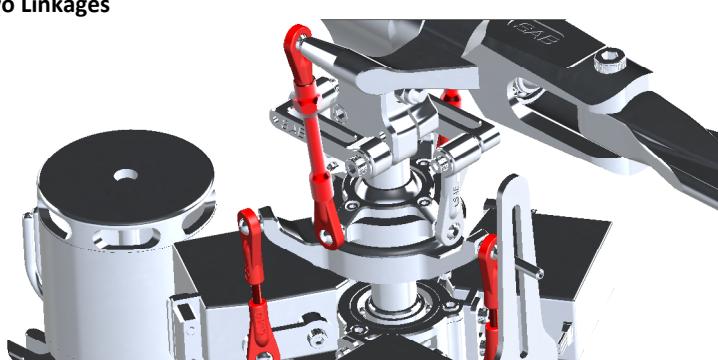
**7** Check if the FBL-RX connectors are OK (hot glue is recommended).



**9** Check all power connectors (Good mechanical connection).



**8** Check the Main Linkages & Servo Linkages

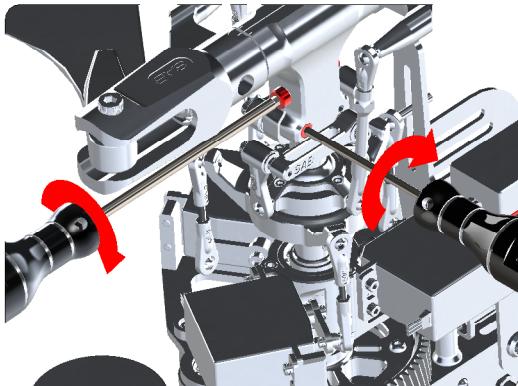


## CHECK LIST 2

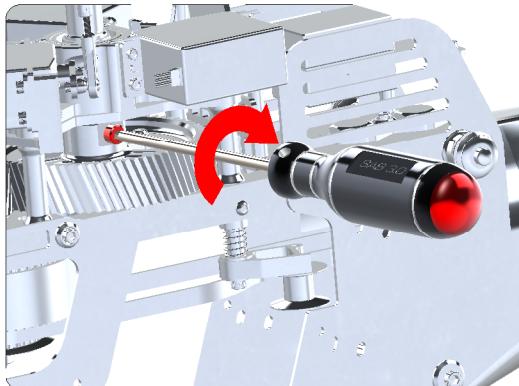
Every 20 Flights or After 1 Month Without Use

SAB

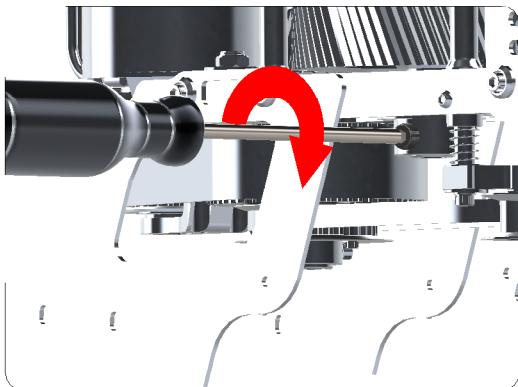
- 1** Check main hub screws(M4x24 and 2 M3x12):  
Ensure they are tight.



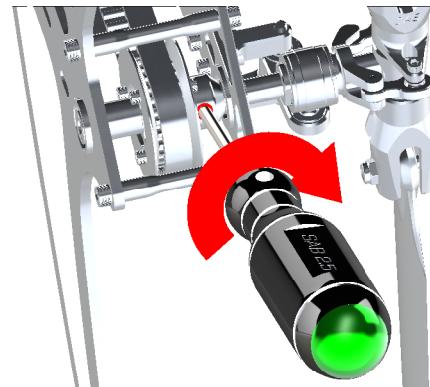
- 2** Check main gear screw M4x24: Ensure it is tight.



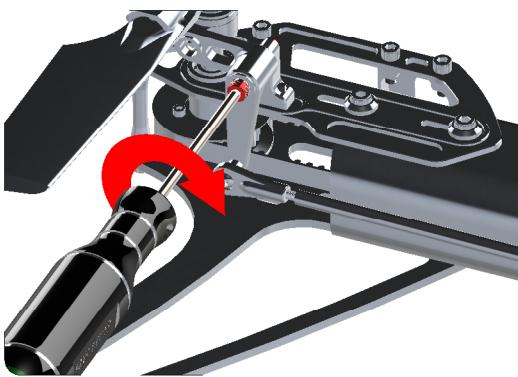
- 3** Check collar M4x20: Ensure it is tight.



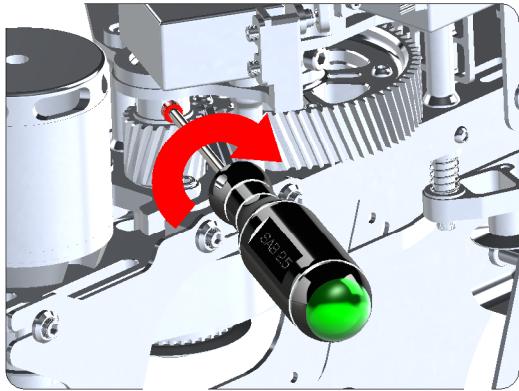
- 4** Check tail pulley set screws: Ensure they are tight.  
( It is suggested use a bit of Green Loctite.)



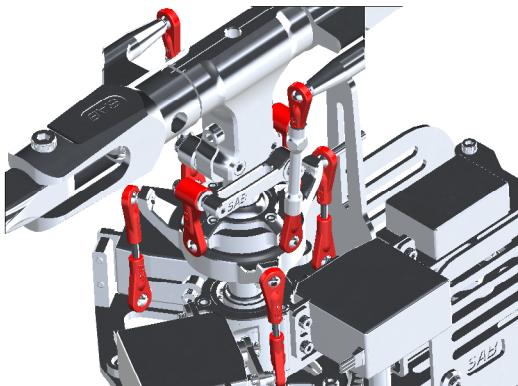
- 5** Check the M3x22 bell crank:  
Belt crank movement must be smooth and the screw locked.  
( It is suggested use a bit of Green Loctite.)



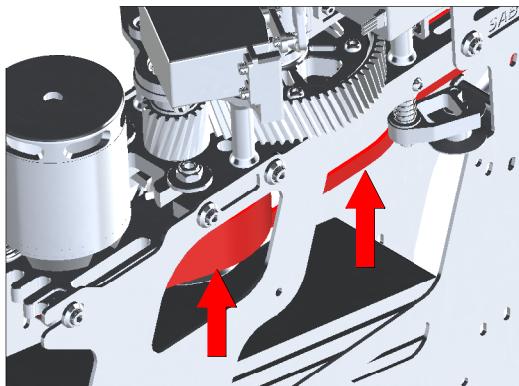
- 6** Check the M3x19 Z19 pinion: Ensure it is tight.



- 7** Check all plastic links and make sure that there are no cracks.

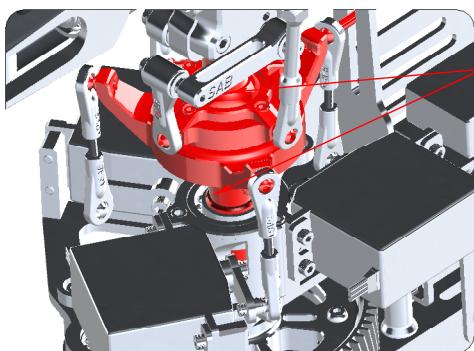


- 8** Check motor and tail belt and ensure they are in good condition.

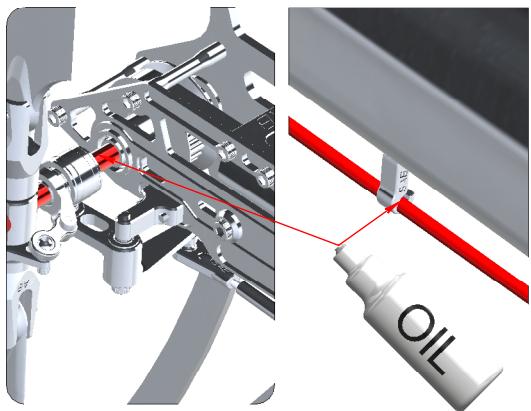
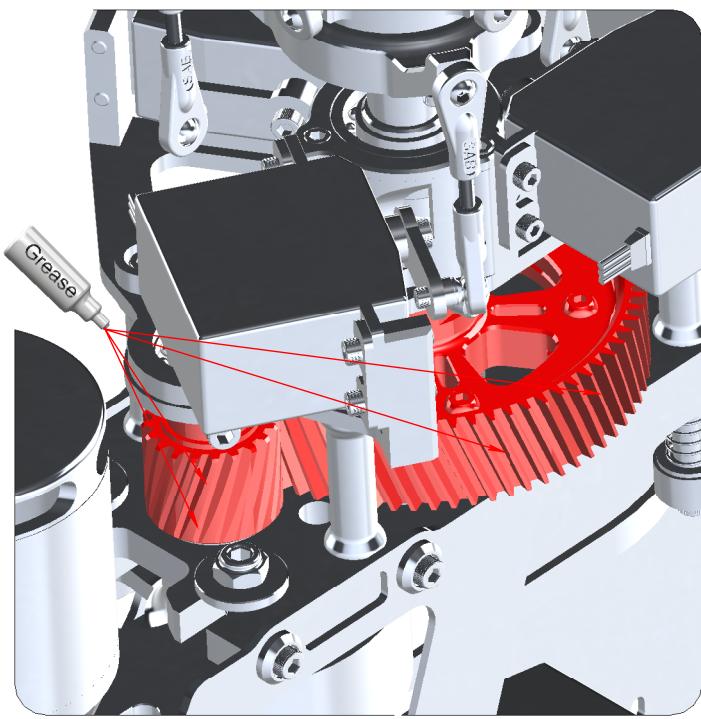
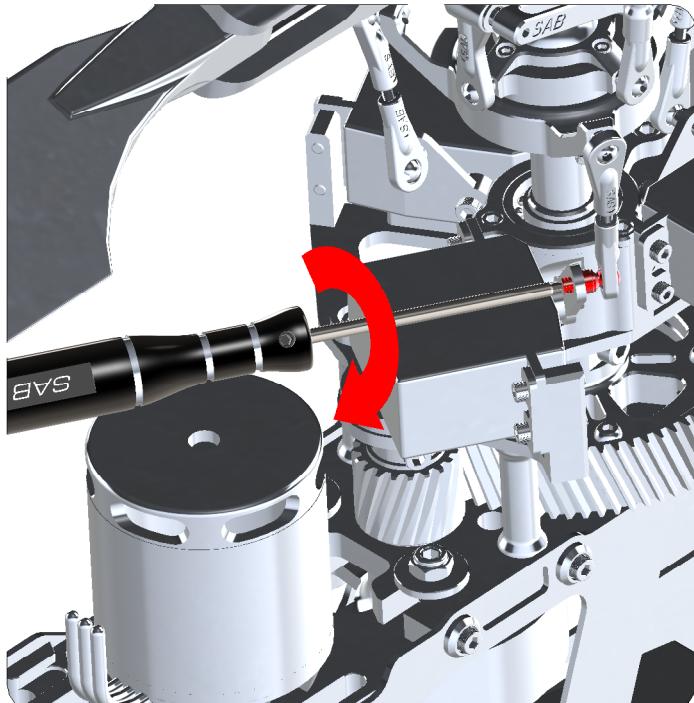


**9**

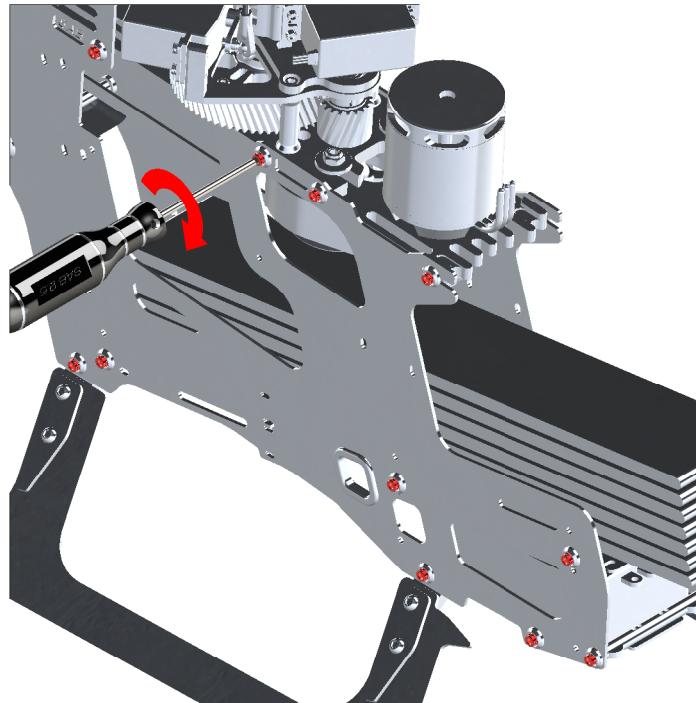
Put oil spray on the main shaft/swashplate.



Put oil spray on the tail shaft/slider and on boom carbon rod support.

**10**Put a bit of grease on the main gear:  
(tri-flow for the steel main gear,  
dry-flow for delrin/carbon main gear).**11**Check the servos arm screws:  
(it is suggested not to over tighten M2 screws,  
but use a bit of green Loctite).**12**

Ensure that all frame screws are tight.

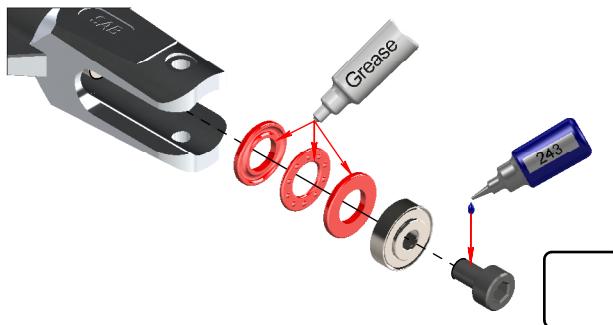
**13**Check all soldering connections:  
(Motor leads, ESC leads, Battery leads).**14**Inspect all connections and wires:  
(servos,rx,flybarless unit).

# CHECK LIST 3

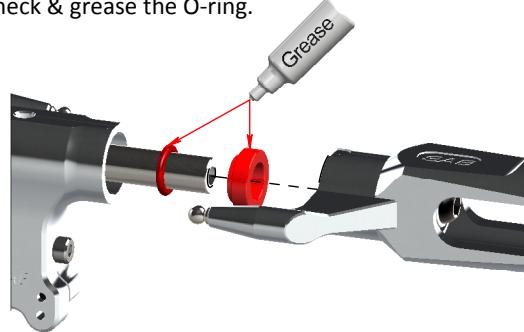
## After 50 Flights

SAB

- 1** Remove main blade grips: Clean & grease thrust bearings and add Loctite on the spindle M6 screws.



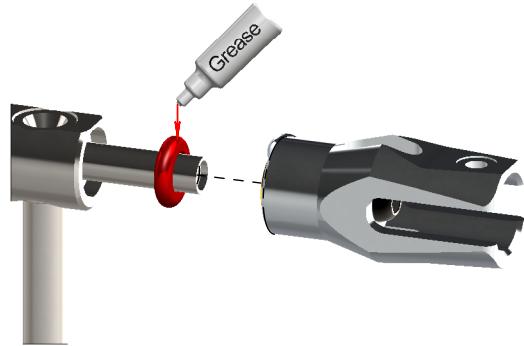
Check & grease the Damper. Clean, check & grease the O-ring.



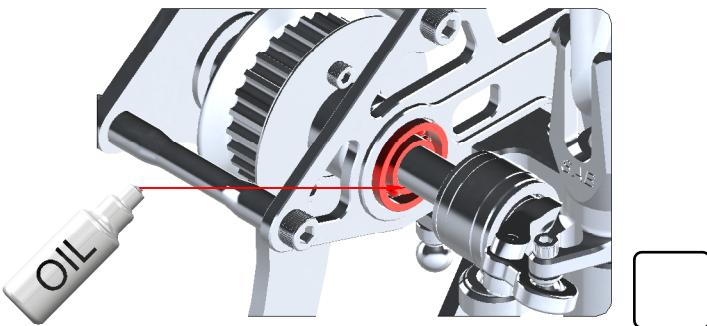
- 2** Remove tail blade grips: Clean & grease thrust bearings and add Loctite on spindle M4 screws.



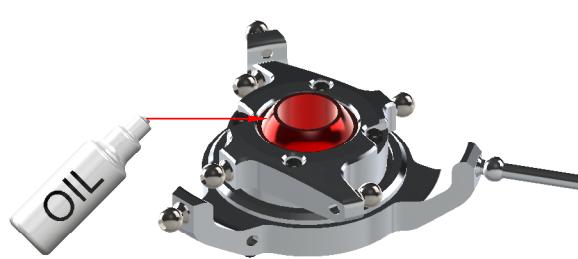
Clean, check & grease the Tail O-ring.



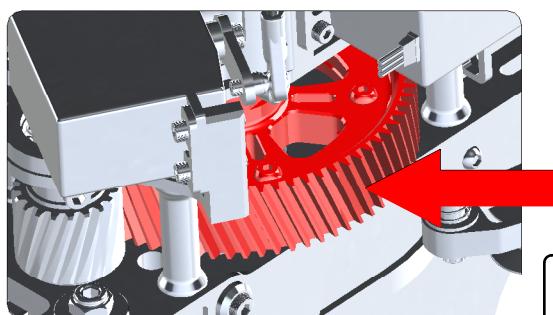
- 3** Clean tail bearings and add a drop of oil.



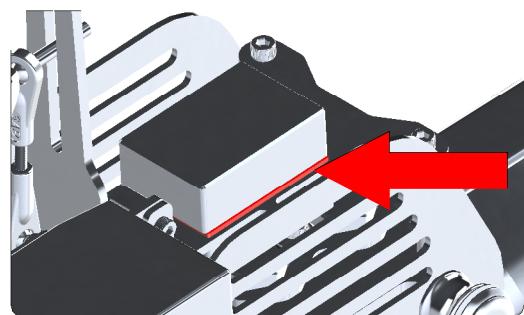
- 4** Clean swash & add a drop of oil.



- 5** Check the condition of main gear and replace if needed.



- 6** Check flybarless unit adhesive tape: Make sure unit is firmly mounted.



## After 100 Flights:

- Consider replacing main and tail thrust bearings
- Consider replacing main shaft bearings
- Consider replacing tail shaft bearings
- Consider replacing main blade dampeners
- Consider replacing motor and tail belt

**Note:** Every time you change boom, you must use new plastic screws. Also steel screws/nut, if they are used to main hub, main gear, collar, pinion, pulley, spindle etc., it is important to be changed after 2-3 times of screw/unscrew.