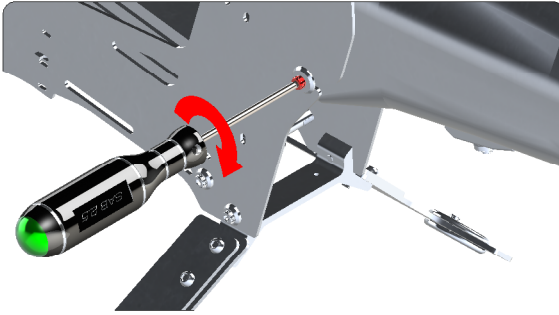


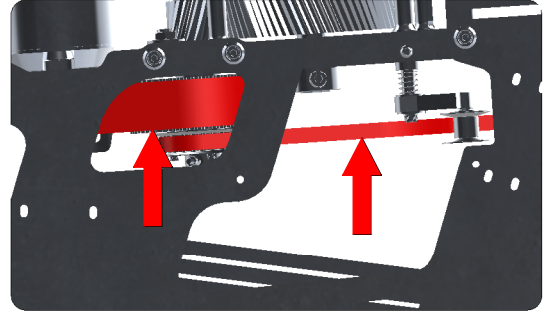
CHECK LIST 1

First Flight of the Day

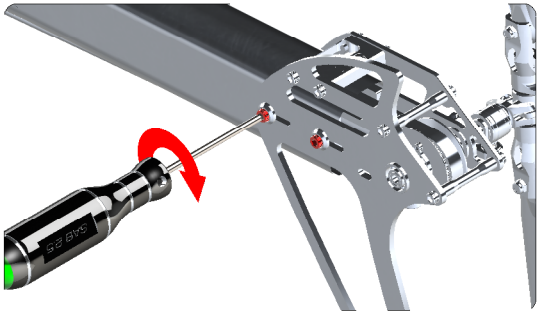
1 Check the 2 M3x12 Tail boom screws. Ensure they are tight.



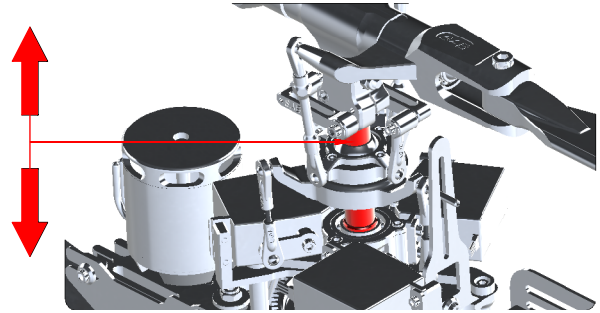
2 Check Tail & Motor belt tension. The tension has to be tight.



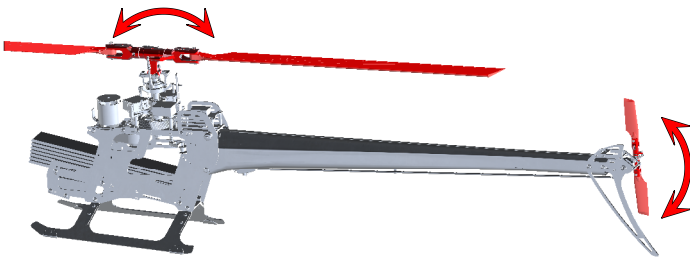
3 Check the 4 M3x12 Tail group screws. Ensure they are tight.



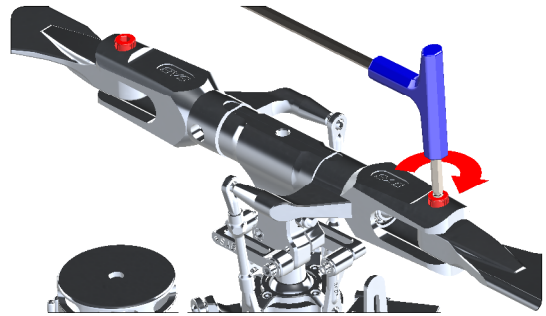
4 Check for vertical play of the main shaft.



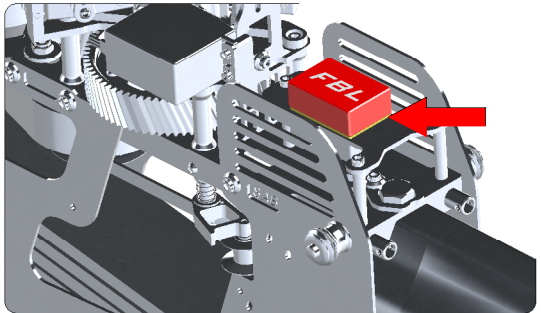
5 Check the dampening on the main and tail rotor to be the same as always.



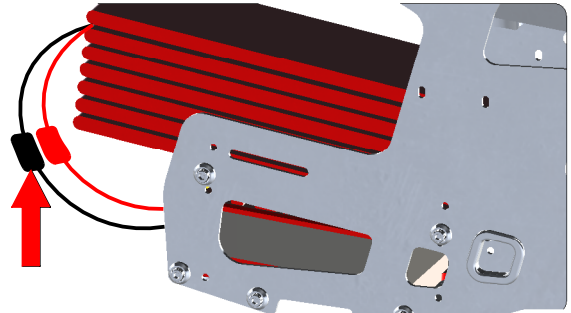
6 Tighten the main blades before flight.



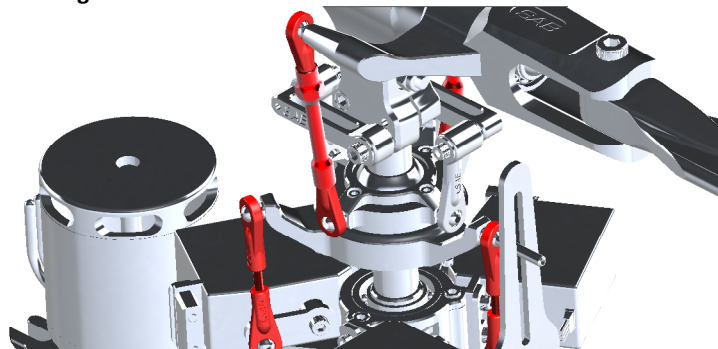
7 Check if the FBL-RX connectors are OK (hot glue is recommended).



9 Check all power connectors (Good mechanical connection).



8 Check the Main Linkages & Servo Linkages

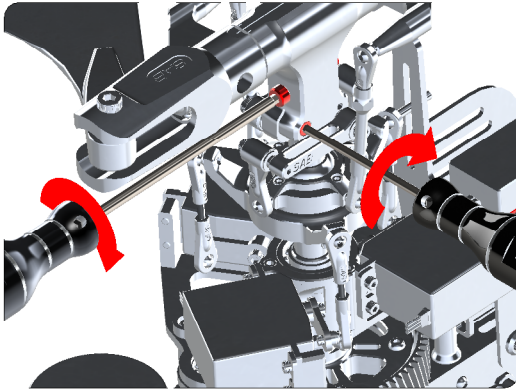


CHECK LIST 2

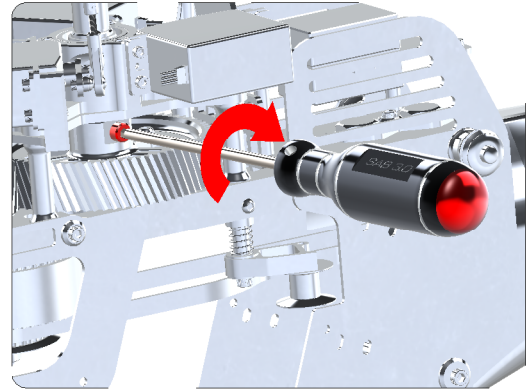
Every 20 Flights or After 1 Month Without Use



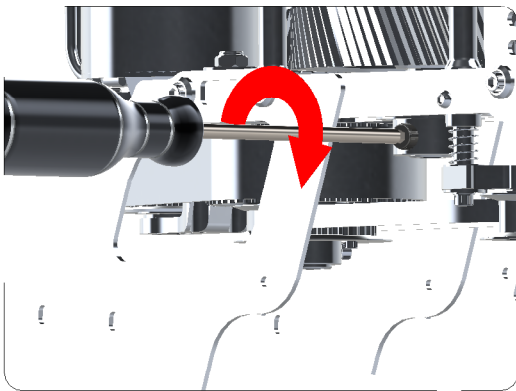
1 Check main hub screws(M4x24 and 2 M3x12):
Ensure they are tight.



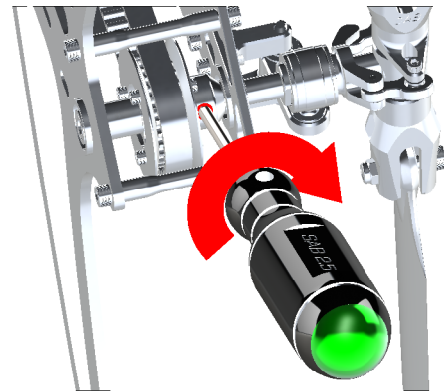
2 Check main gear screw M4x24: Ensure it is tight.



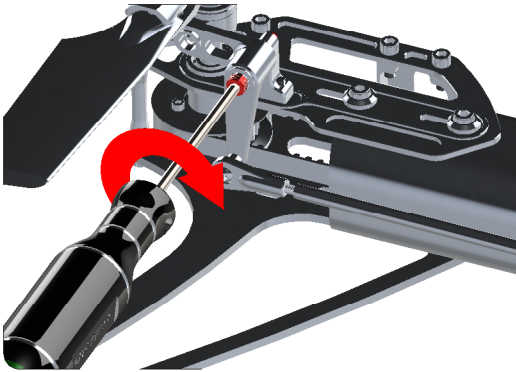
3 Check collar M4x20: Ensure it is tight.



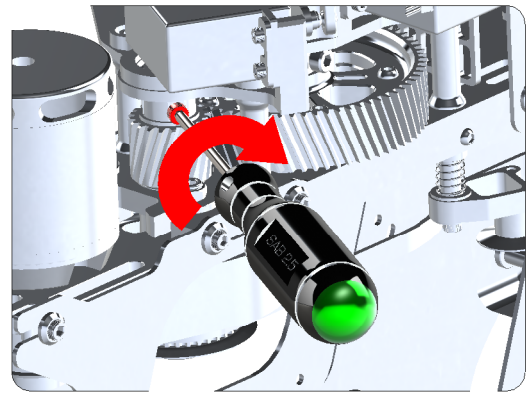
4 Check tail pulley set screws: Ensure they are tight.
(It is suggested use a bit of Green Loctite.)



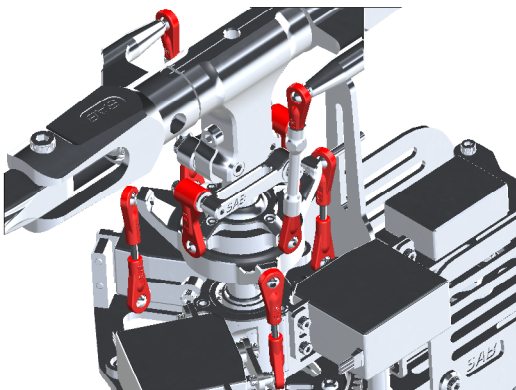
5 Check the M3x22 bell crank:
Belt crank movement must be smooth and the screw locked.
(It is suggested use a bit of Green Loctite.)



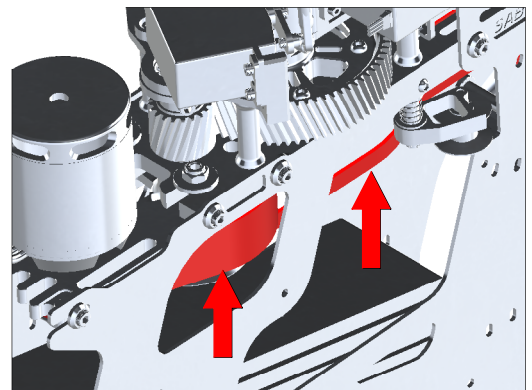
6 Check the M3x19 Z19 pinion: Ensure it is tight.



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

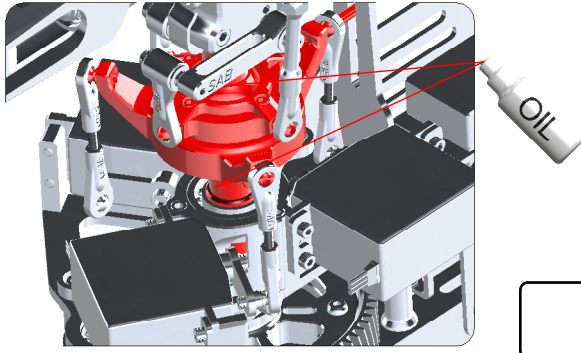


8 Check motor and tail belt and ensure they are in good condition.



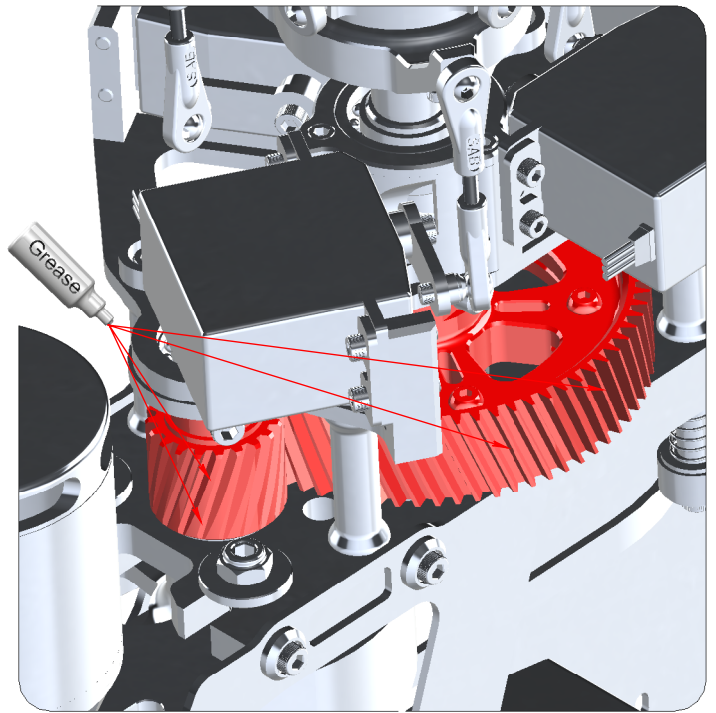
9

Put oil spray on the main shaft/swashplate.

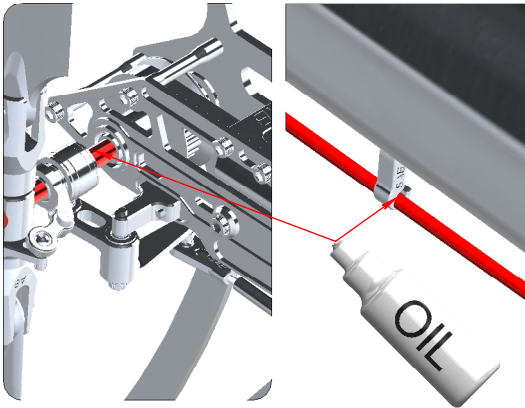


10

Put a bit of grease on the main gear:
(tri-flow for the steel main gear,
dry-flow for delrin/carbon main gear).

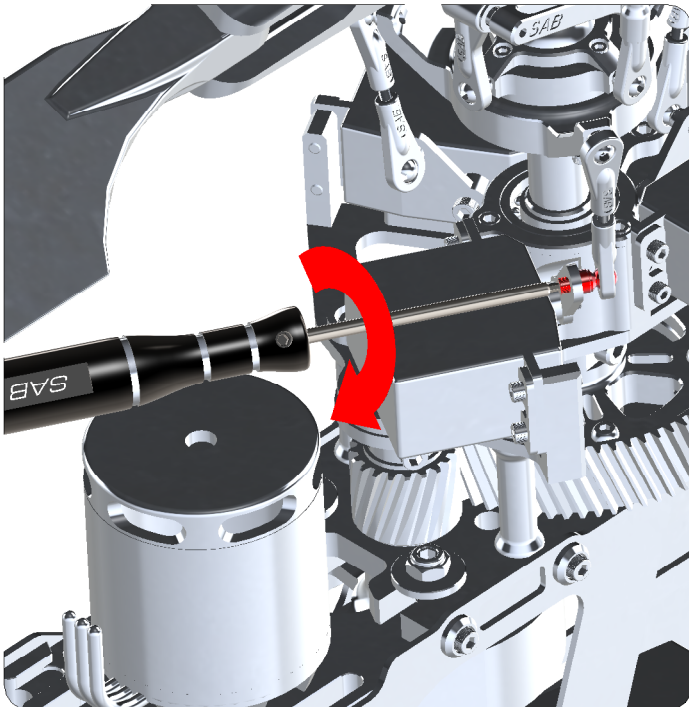


Put oil spray on the tail shaft/slider and on boom carbon rod support.



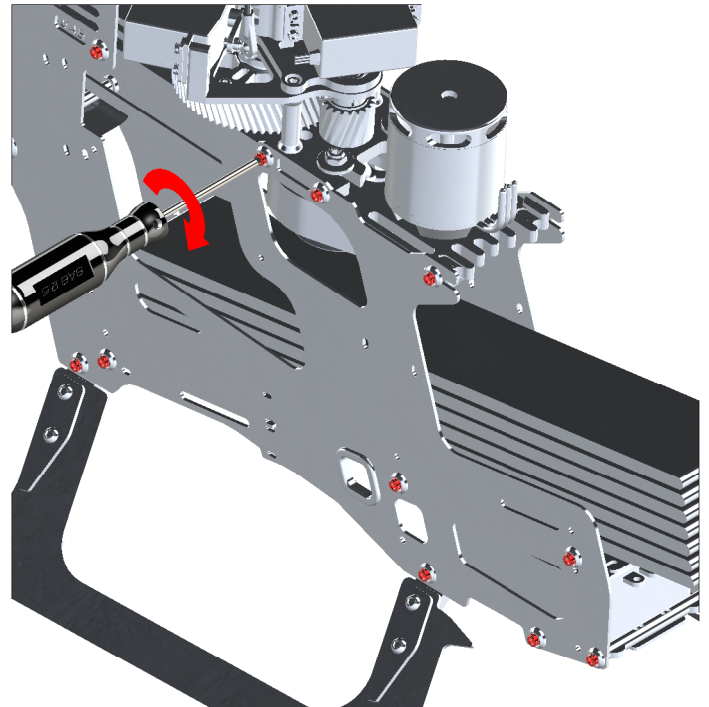
11

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).

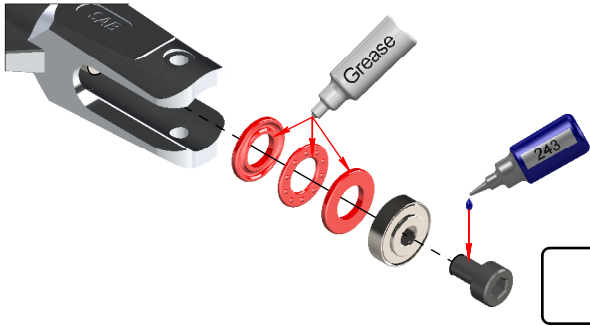


CHECK LIST 3

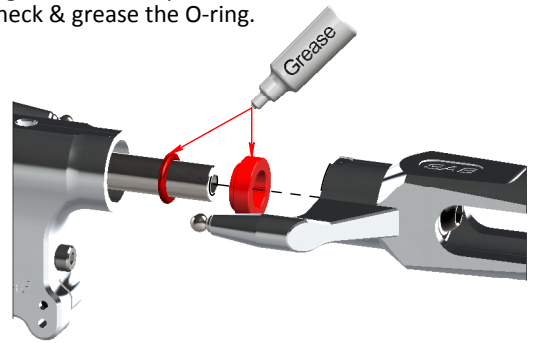
After 50 Flights



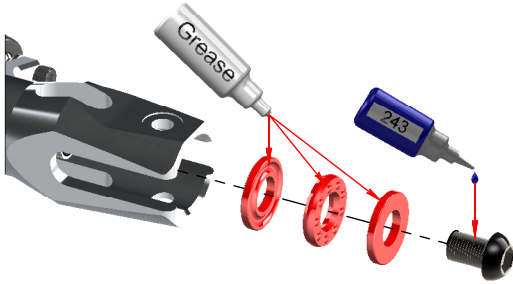
1 Remove main blade grips: Clean & grease thrust bearings and add Loctite on the spindle M6 screws.



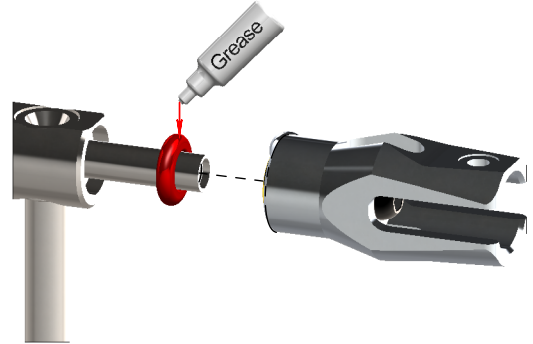
Check & grease the Damper.
Clean, check & grease the O-ring.



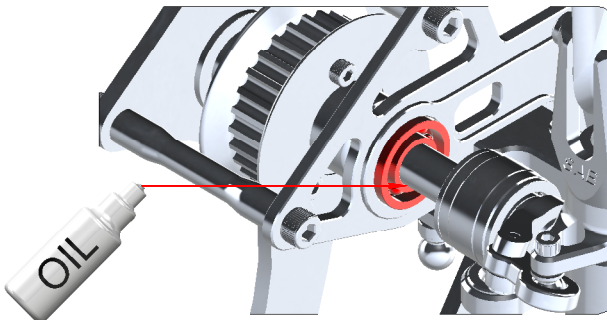
2 Remove tail blade grips: Clean & grease thrust bearings and add Loctite on spindle M4 screws.



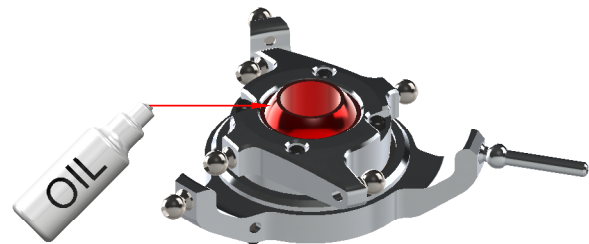
Clean, check & grease the Tail O-ring.



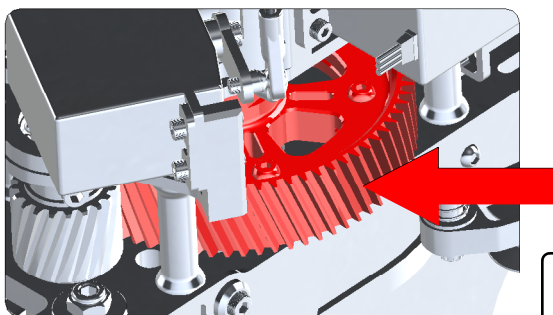
3 Clean tail bearings and add a drop of oil.



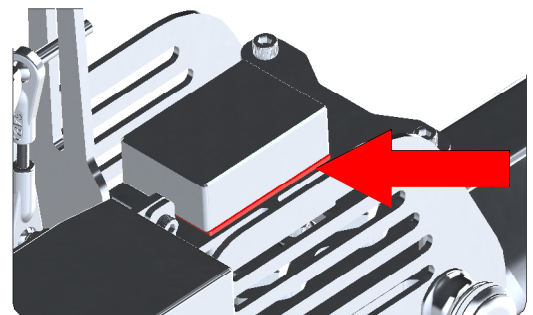
4 Clean swash & add a drop of oil.



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.