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).

8. Check the Main Linkages & Servo Linkages

9. Check all power connectors (Good mechanical connection).
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.
Every 20 Flights or After 1 Month Without Use


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).

Put oil spray on the tail shaft/slider and on boom carbon rod support.
**CHECK LIST 3**

**After 50 Flights**

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