Instruction Manual





Always Follow These Rules For Safety



If you do not observe these instructions, you may be held liable for injury or damage.

Operate the helicopter in open areas with no people nearby. Do NOT operate the helicopter in these situations or areas:

In places where children gather or people pass through In residential areas and parks Indoors and in limited space Extremely windy weather or when there is rain, snow, fog or other precipitation

When operating and tuning/adjusting your model, keep the following in mind:

ALWAYS check radio control system for proper operation before operating the model.

ALWAYS check radio control system power levels before operating the model. Flying with low transmitter or receiver battery may cause loss of control.

ALWAYS pay attention to your surroundings, and look out for others who are also operating a radio control model nearby.

ALWAYS check that all screws are tight and not coming loose before flying the model. A single loose screw on the model may cause a major accident.

ALWAYS perform necessary maintenance and preflight checks to keep the helicopter in a good and safe flying condition.

NEVER use the same control frequency as someone else. Doing so may cause interference or loss of control of the model.

NEVER continue flying if the model is displaying irregular behavior or noises. Bring the model to a halt immediately and disconnect the batteries.

NEVER fly the model with known broken or defective parts. Always replace damaged parts before attempting to fly again.

NEVER approach the model while the rotors are still spinning. Doing so can result in serious personal injury.

NEVER touch the motor immediately after flying. It may be hot enough to cause moderate burns.

Operate only outdoors and out of bystanders' reach, as the main rotor operates at high rpm and is very dangerous.

While adjusting and testing, pilots and observers should stand at least 10 meters from the model.

Novice pilots should be assisted by an experienced pilot and never fly alone!

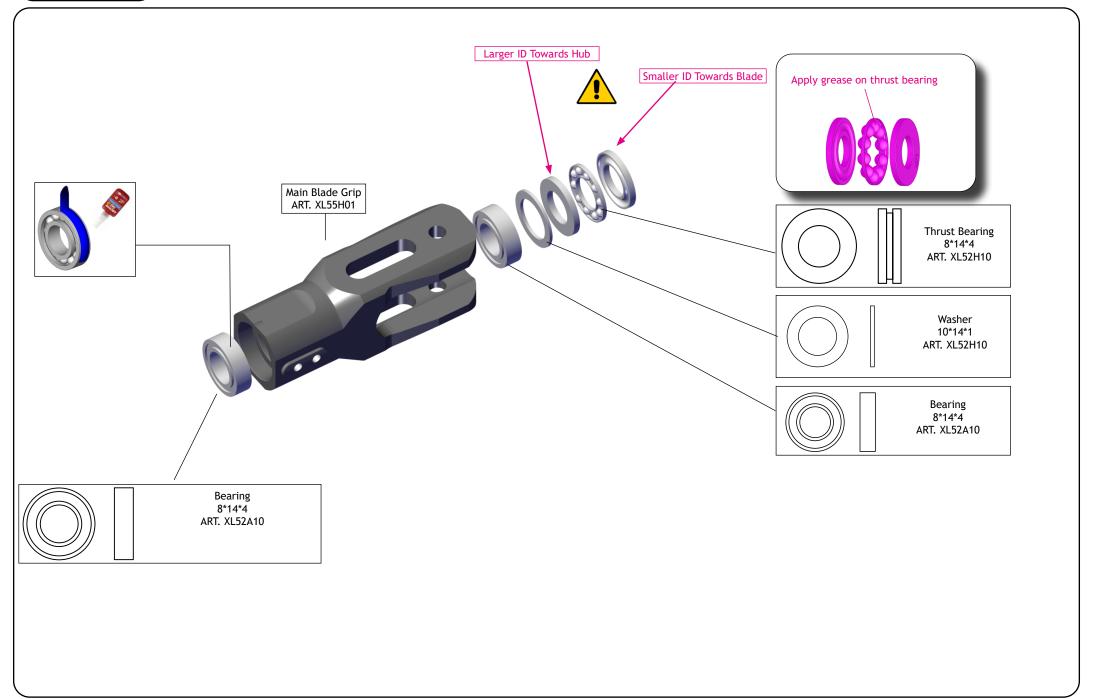
Equipment Required for Assembly



Swashplate Servos: Mini Size or Standard Size (Qty. 3)	ESC: 100-150LV (6s-8s) 80-120HV (12s)	Hex Screwdriver Sizes: 1.5mm 2mm 2.5mm * 2 3mm*2
Tail Servo Standard Size (Qty. 1)	Main Blades: Carbon Fiber 520mm - 580mm	Where indicated, use Thread lock MEDIUM
Trasmitter Receiver/Satellites Flybarless Unit	Tail blades: Carbon Fiber 80mm to 95mm	Thrust Bearing Grease
Battery Pack (Typical): LiPo 6s-8s 3300-5500mAh or LiPo 12s 2600-3300mAh	Motor: 4020-4035 900kv-1200kv (6s-8s) 4020-4035 500kv-550kv (12s)	Pitch Gauge

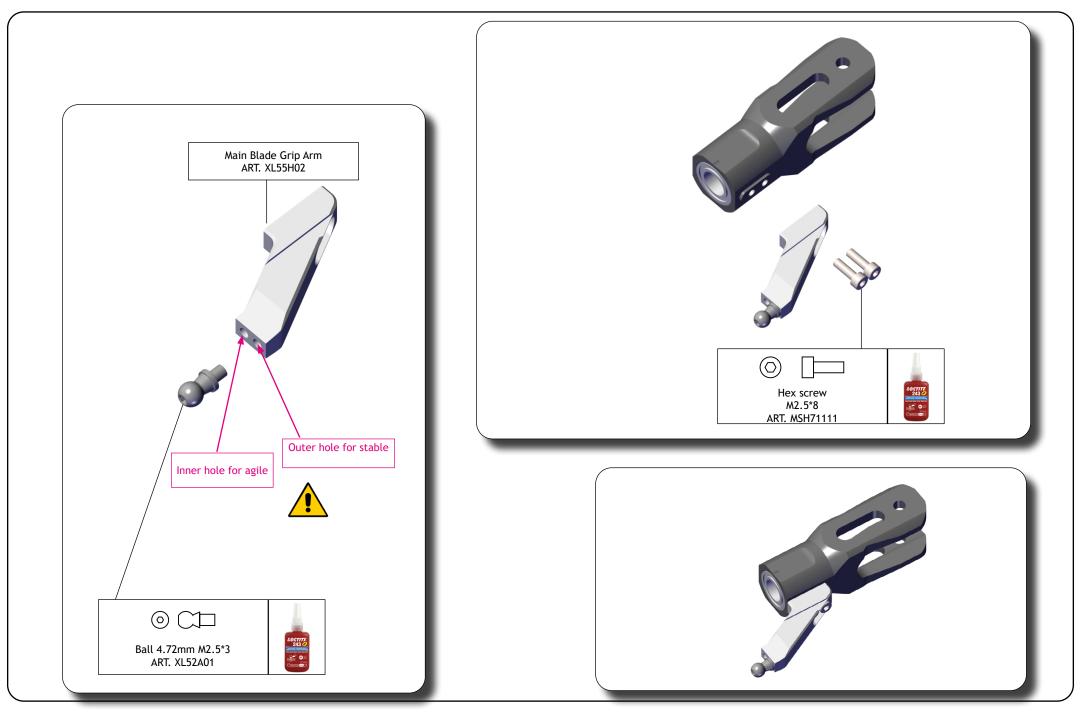






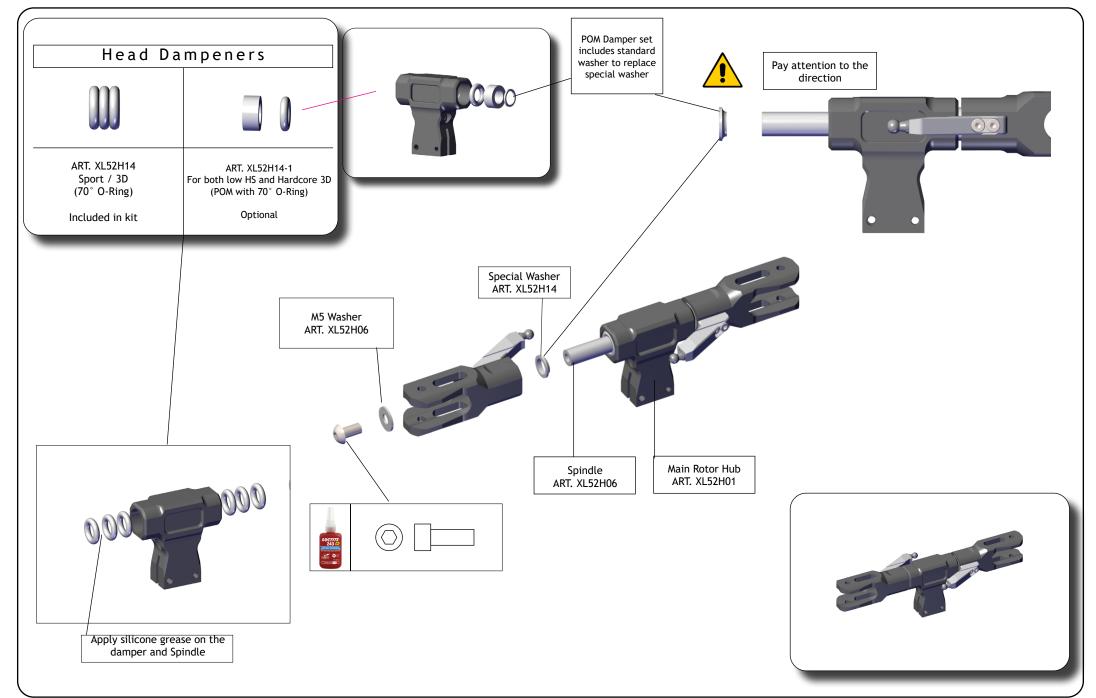


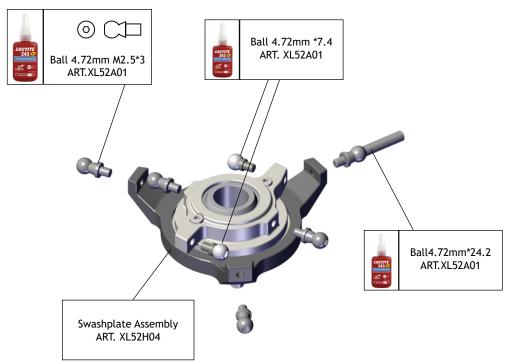
















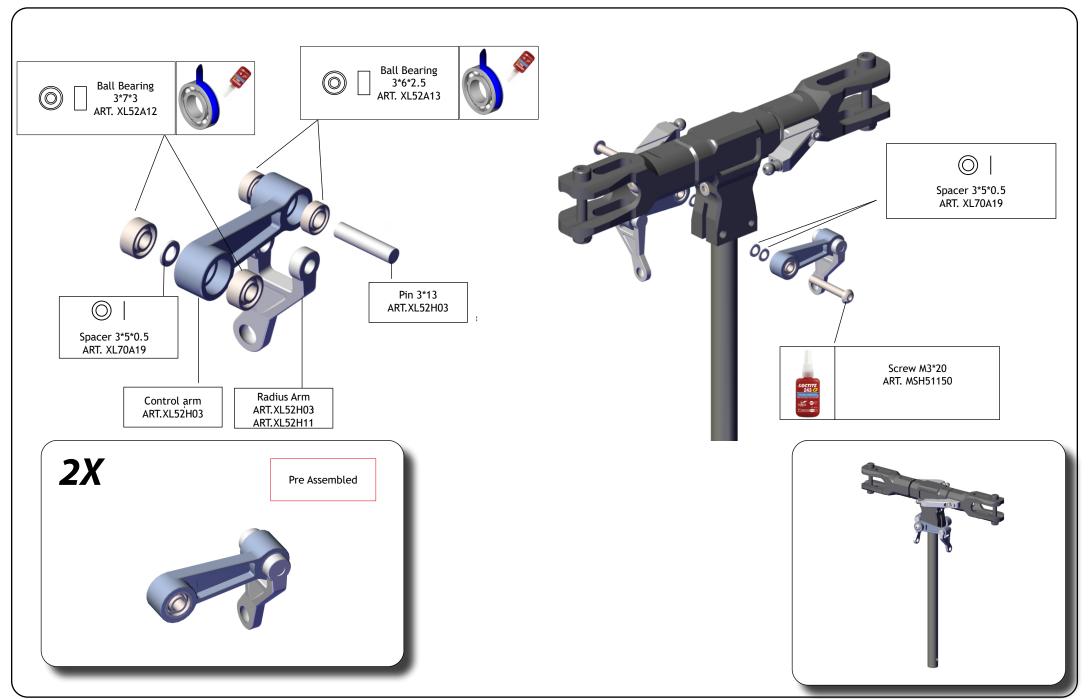






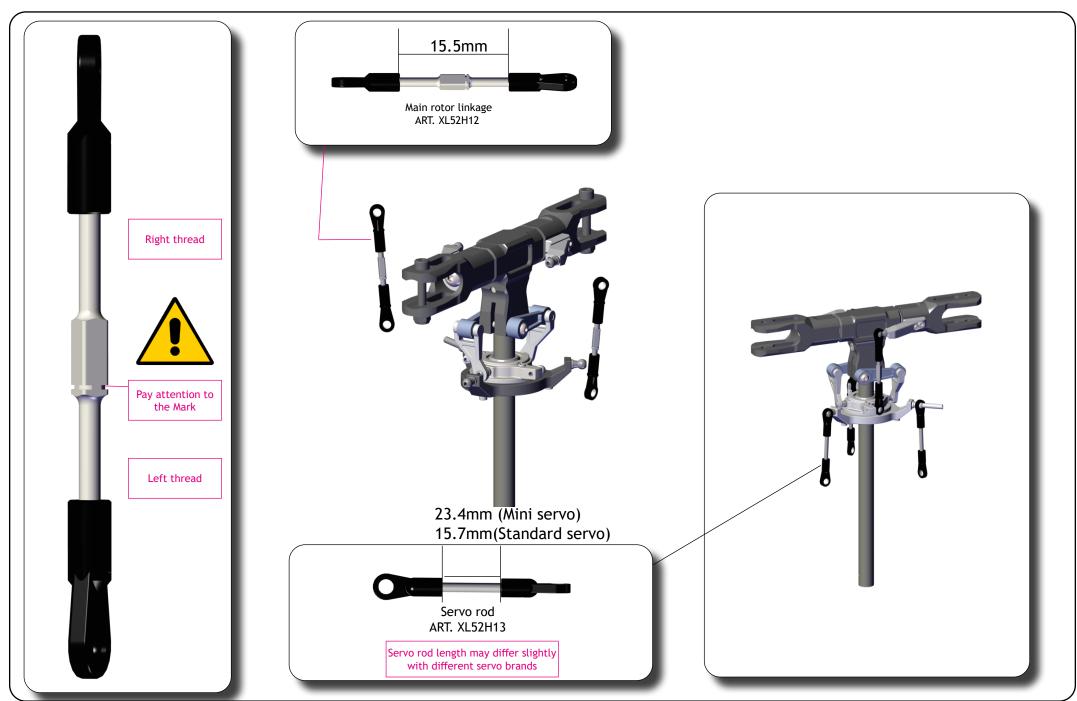
prevent screws from loosening in flight



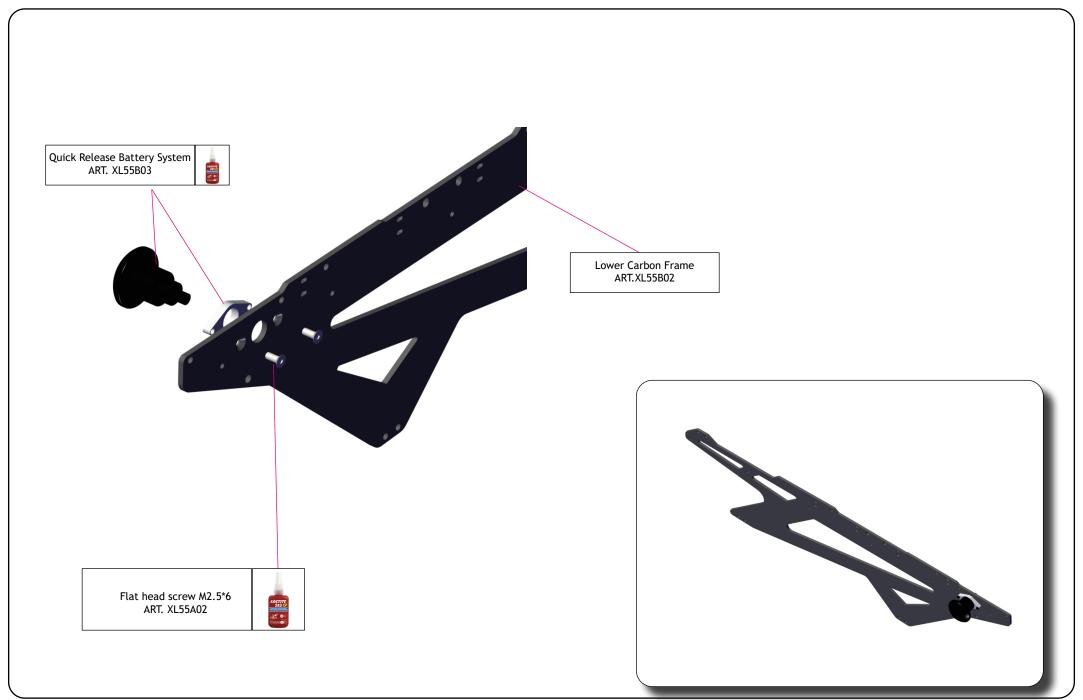




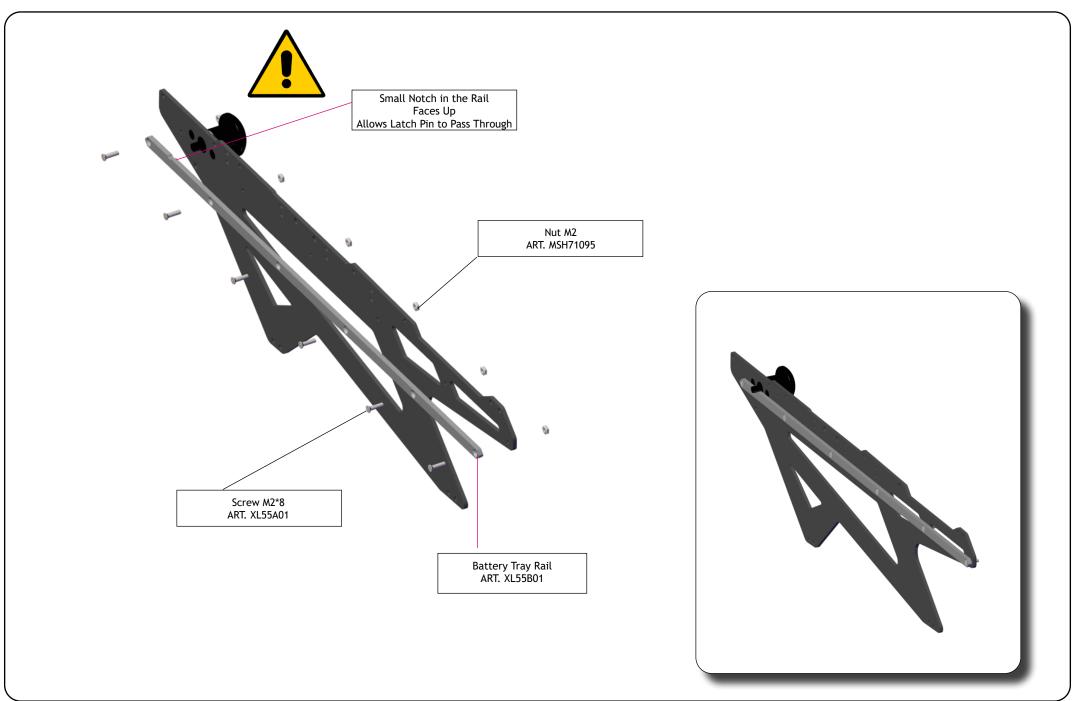




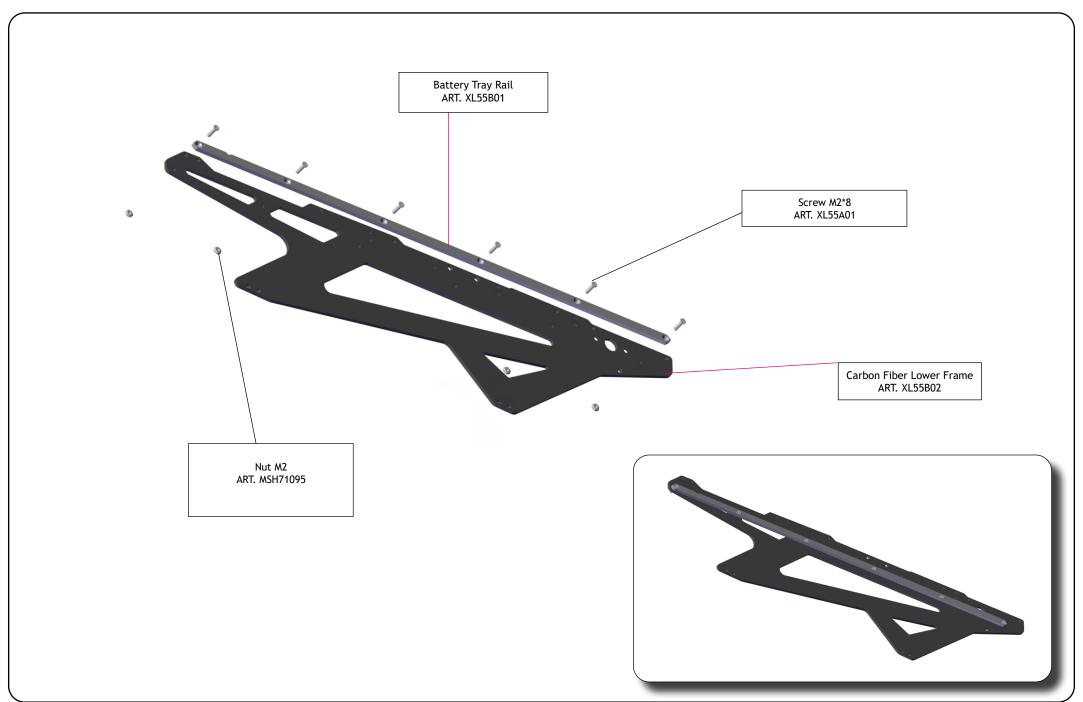






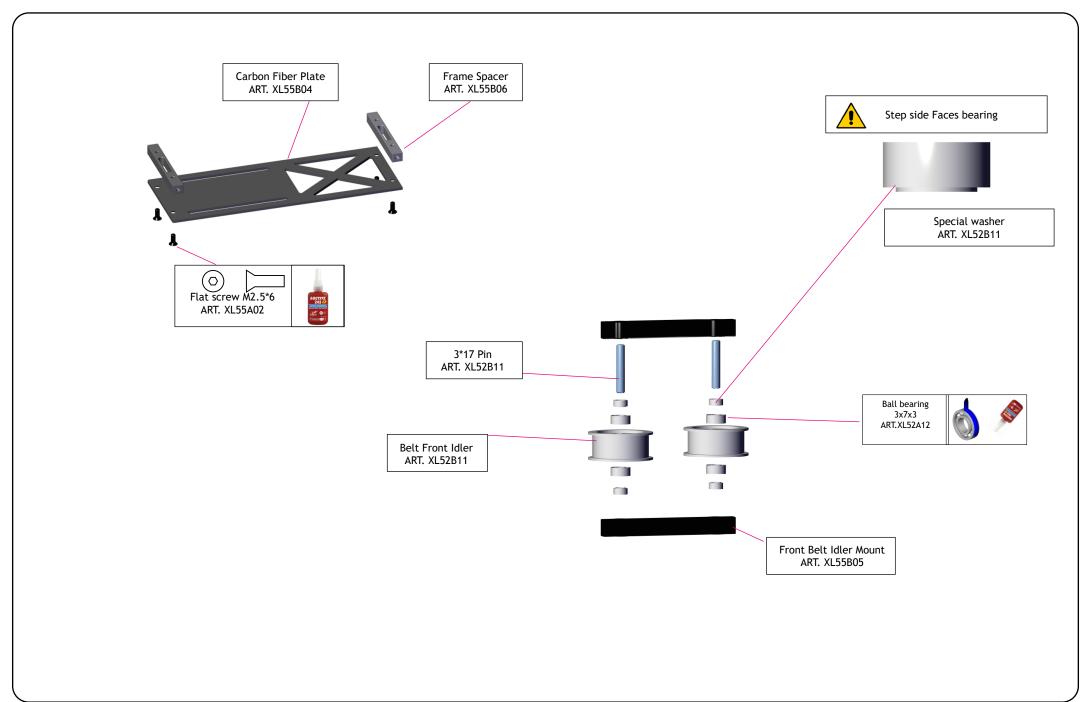






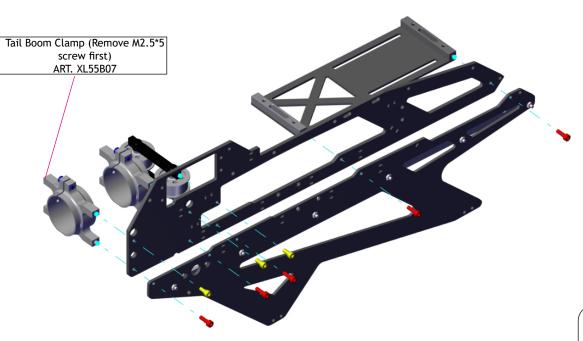














View from back side







Hex screw M2.5*6 (yellow in picture) ART. MSH71110

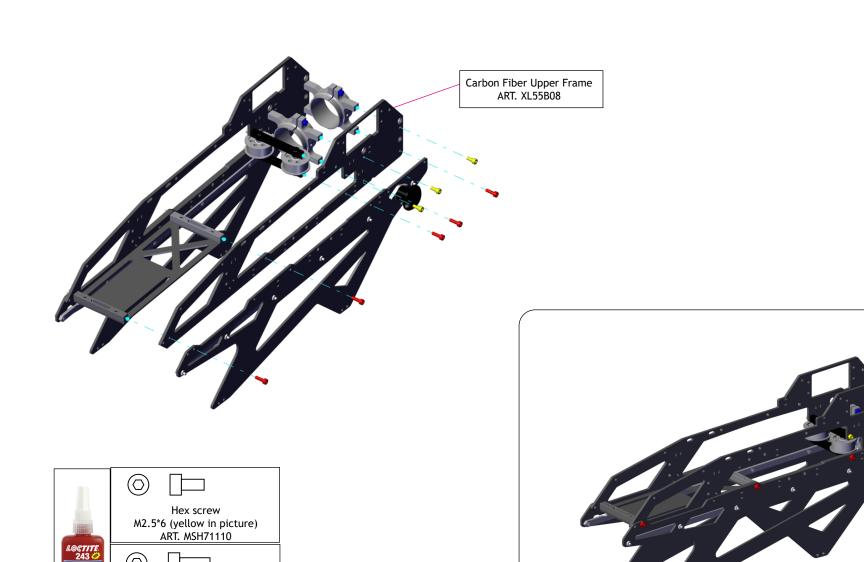


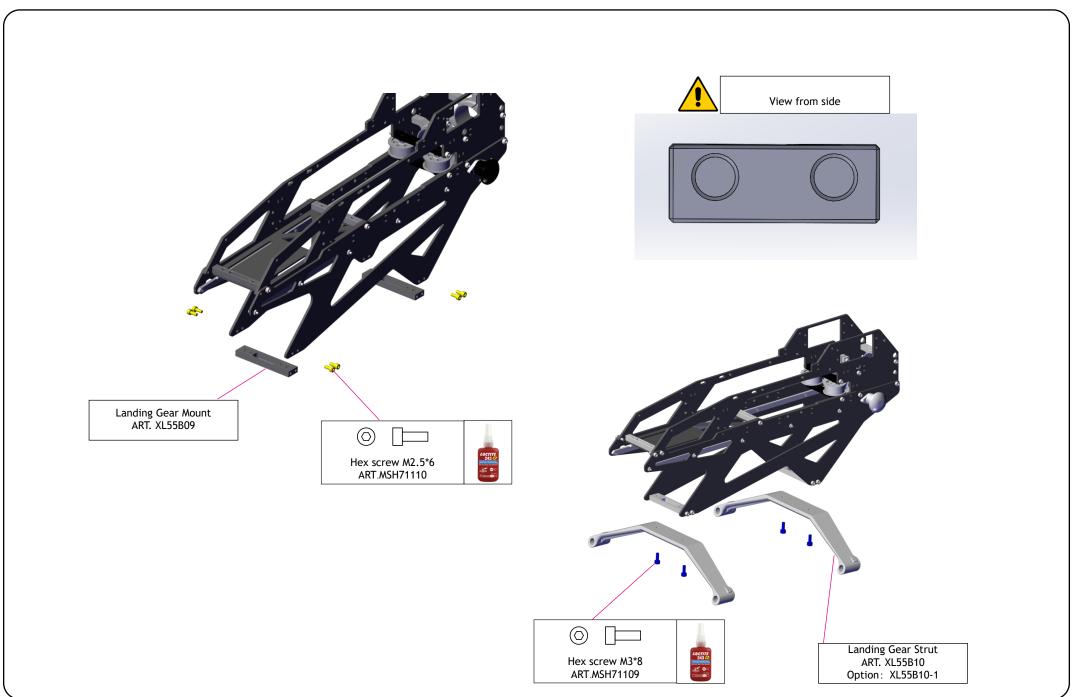


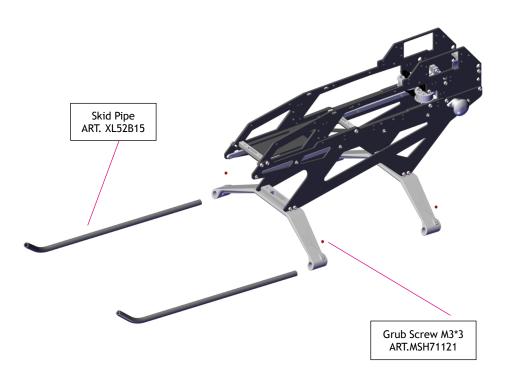
Hex screw M2.5*8 (Red in picture) ART. MSH71111

Hex screw M2.5*8 (Red in picture) ART. MSH71111





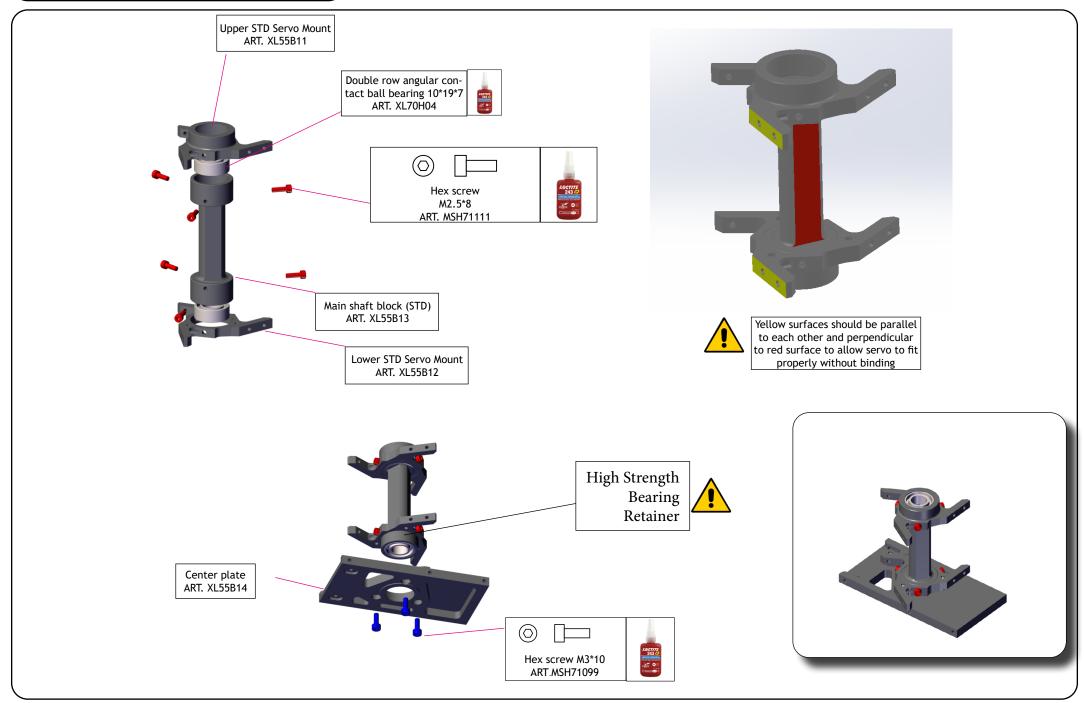




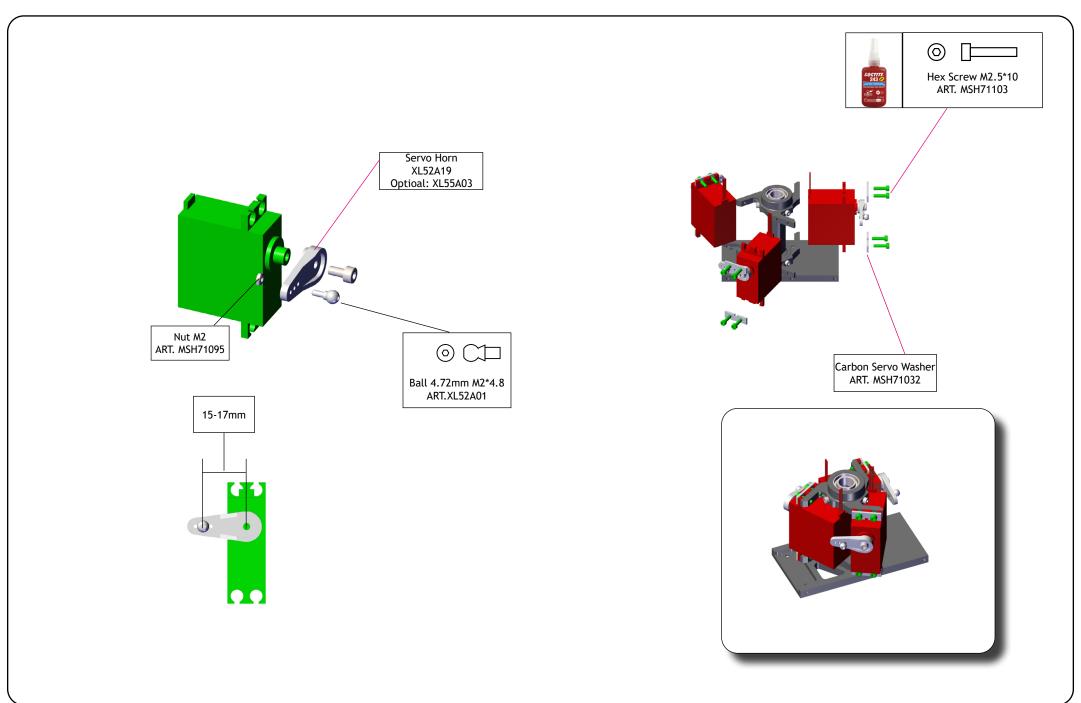










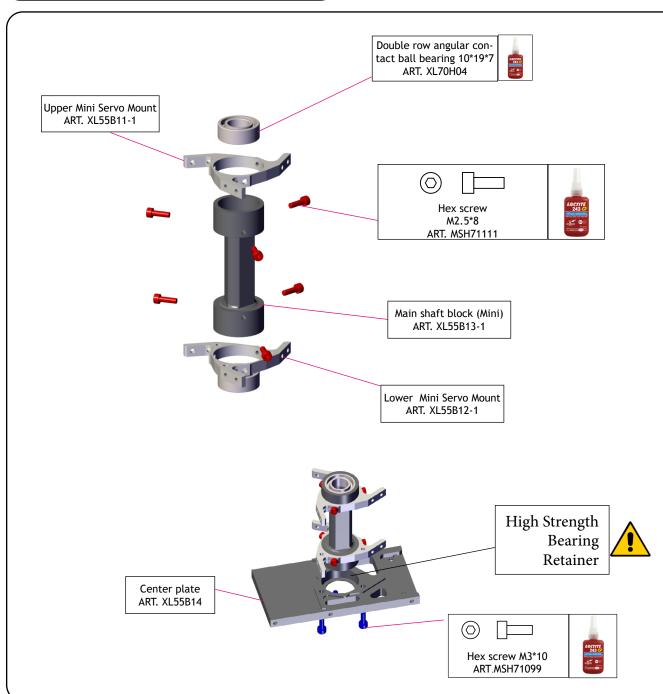


Bag6 (XL55V2K01)



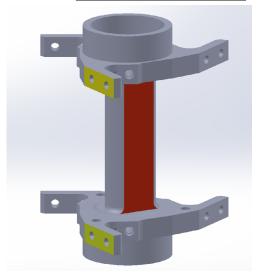
Clean all screws and threads with isopropyl alcohol (90% or above) to ensure threadlocker bonds properly and prevent screws from loosening in flight





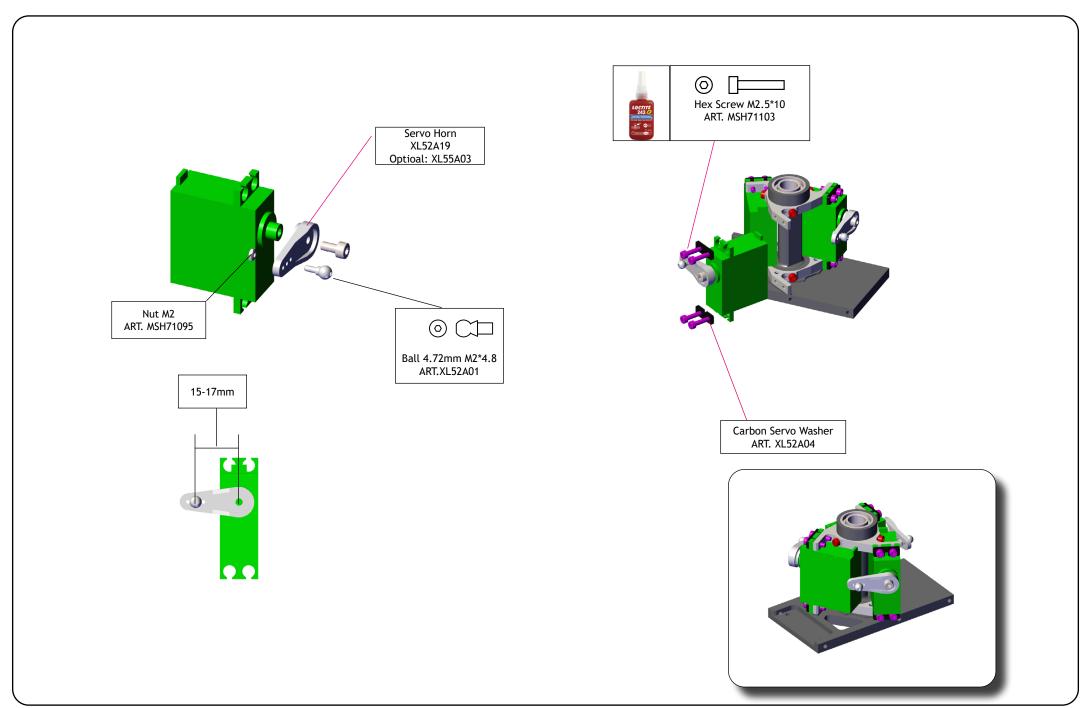


Yellow surfaces should be parallel to each other and perpendicular to red surface to allow servo to fit properly without binding

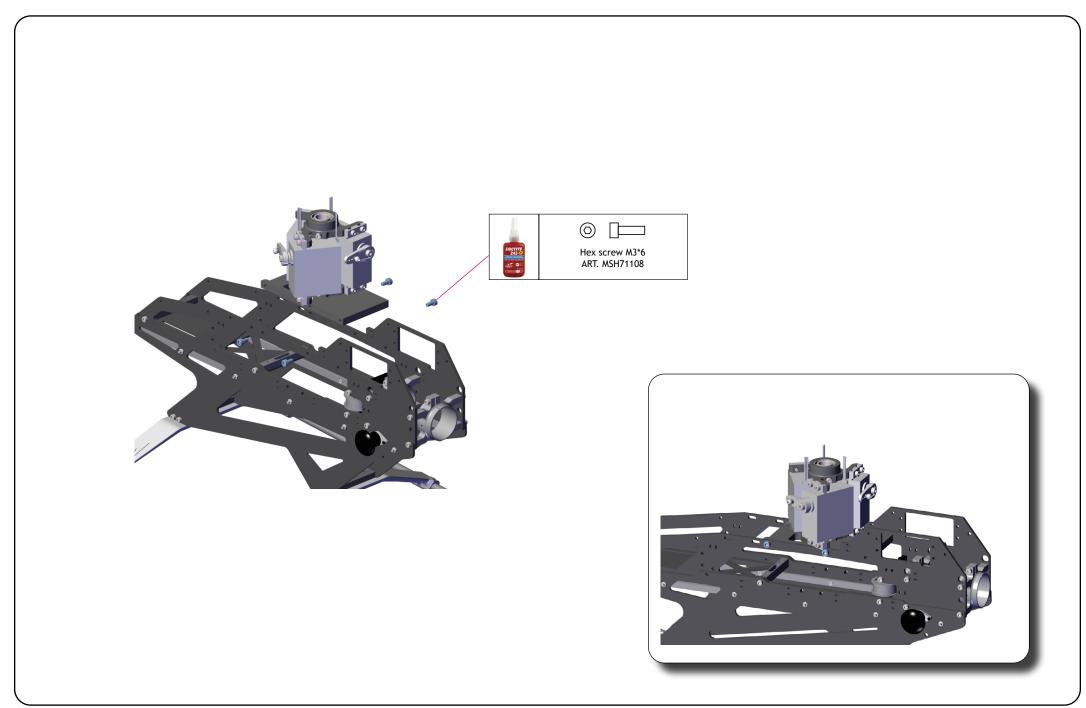


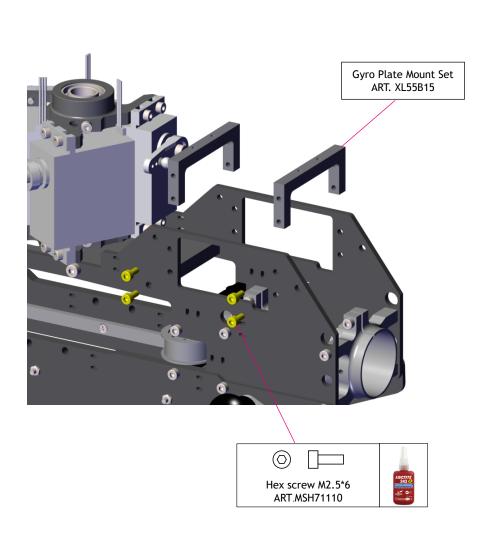


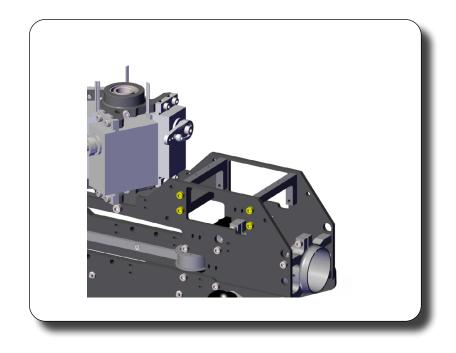


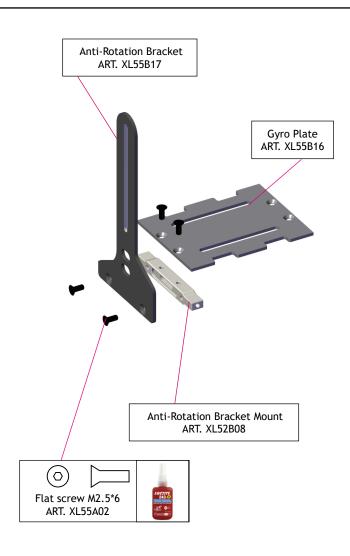


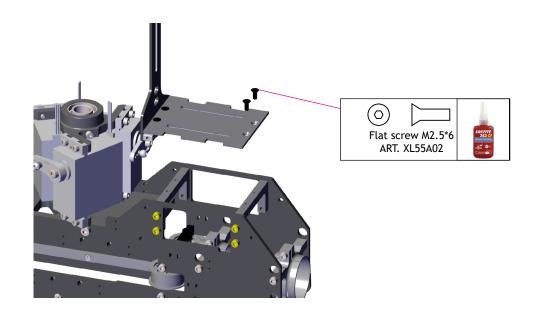


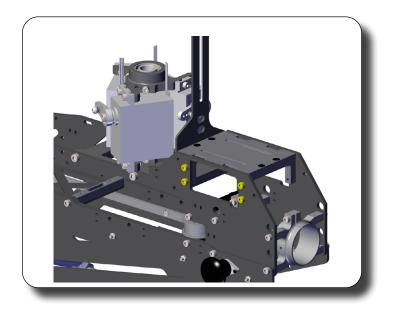






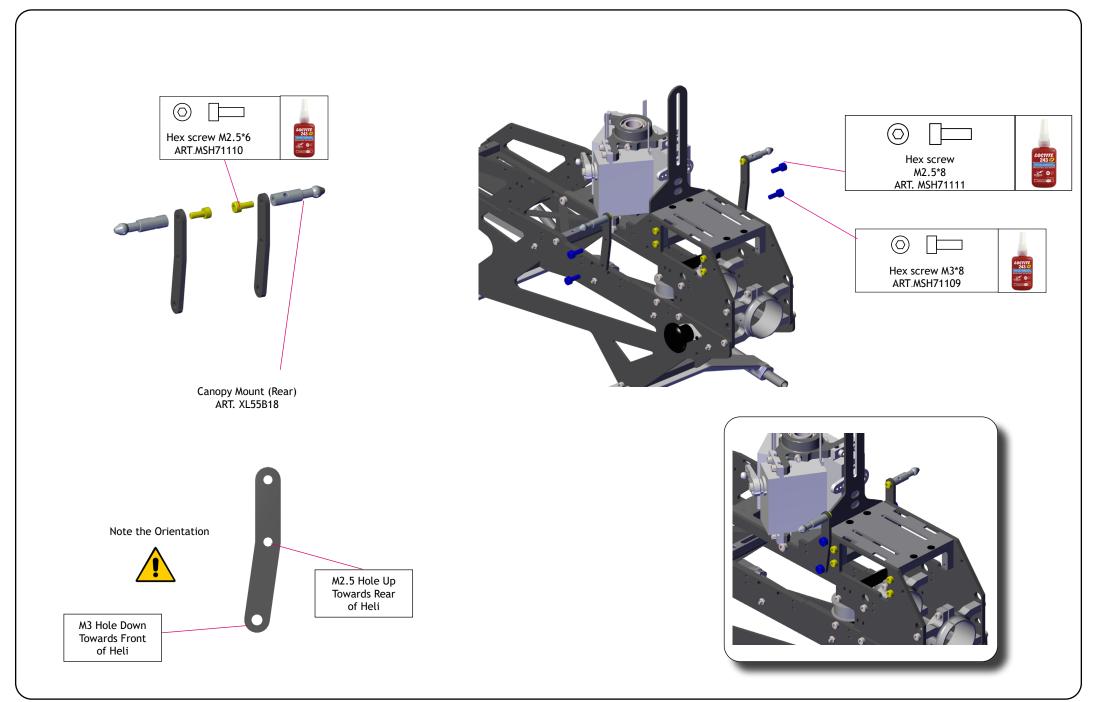


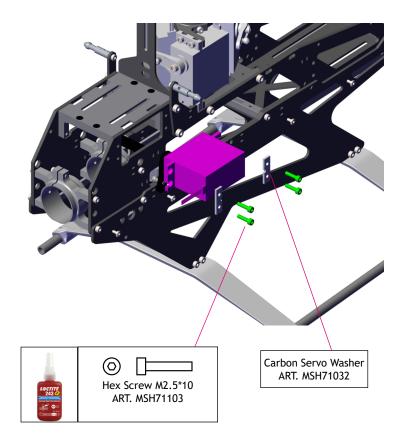


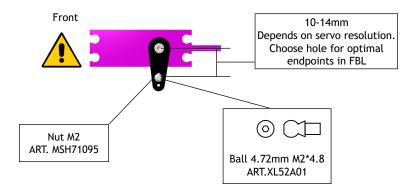


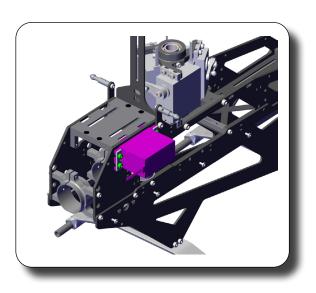






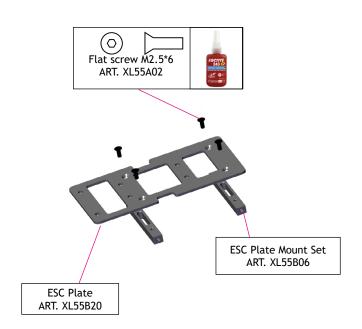


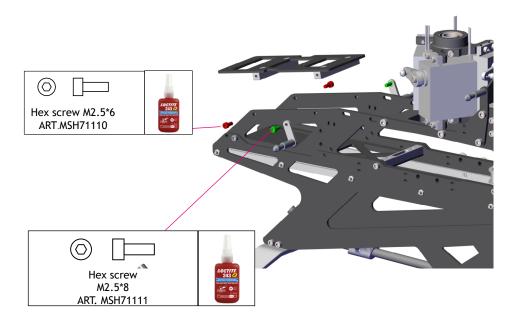


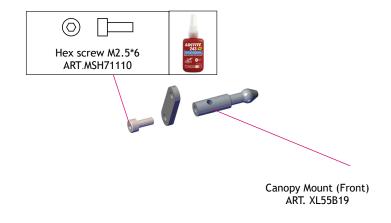


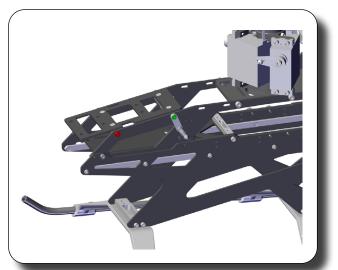






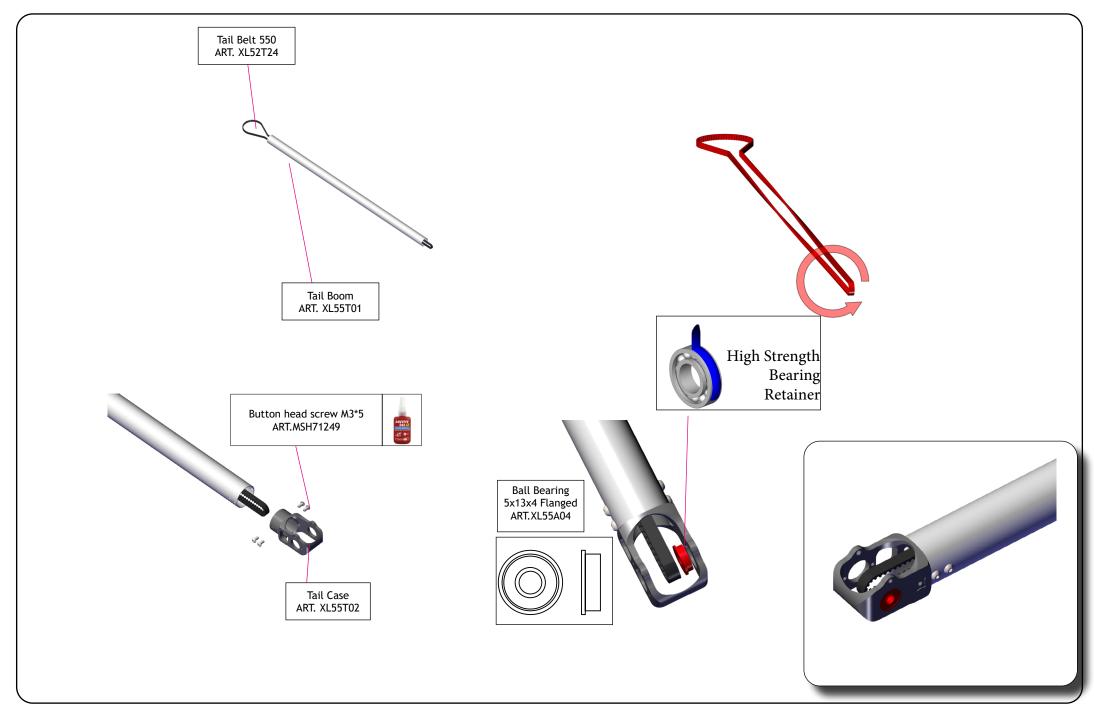






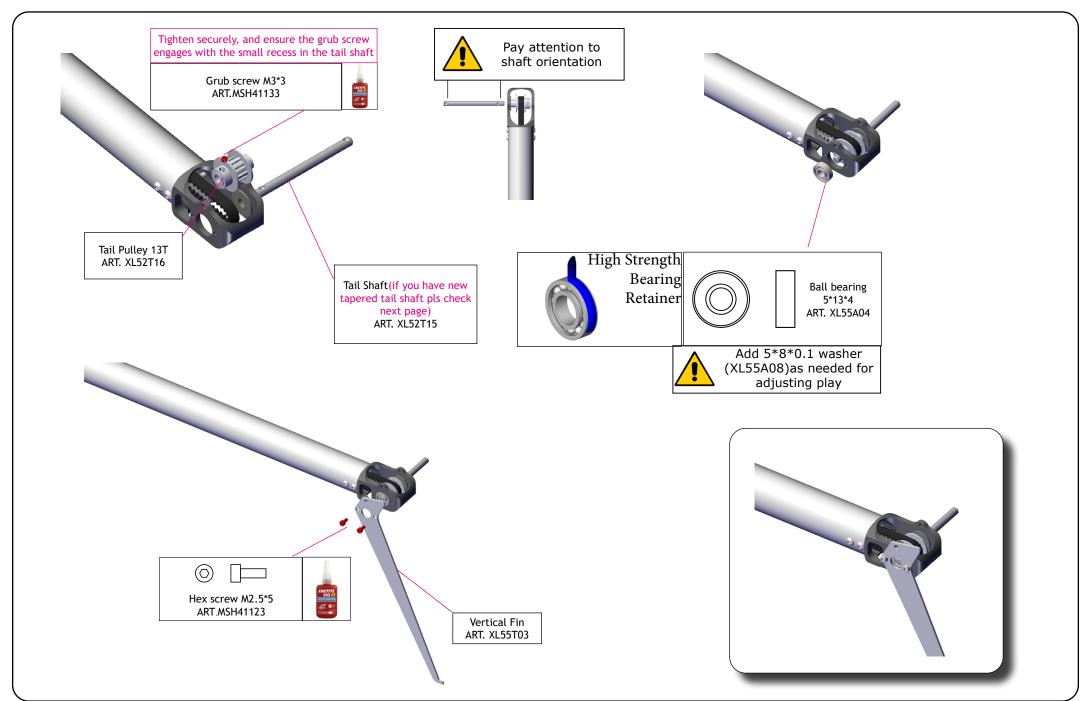






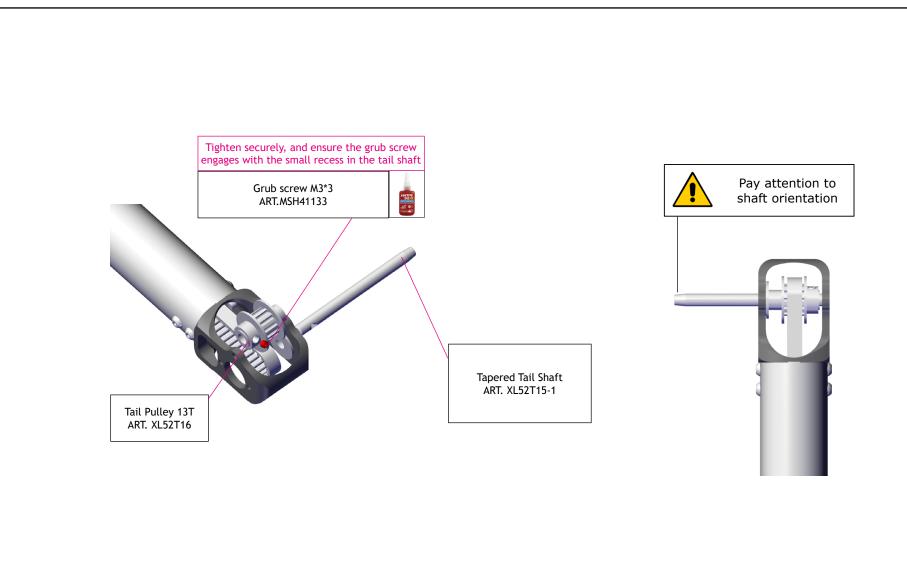




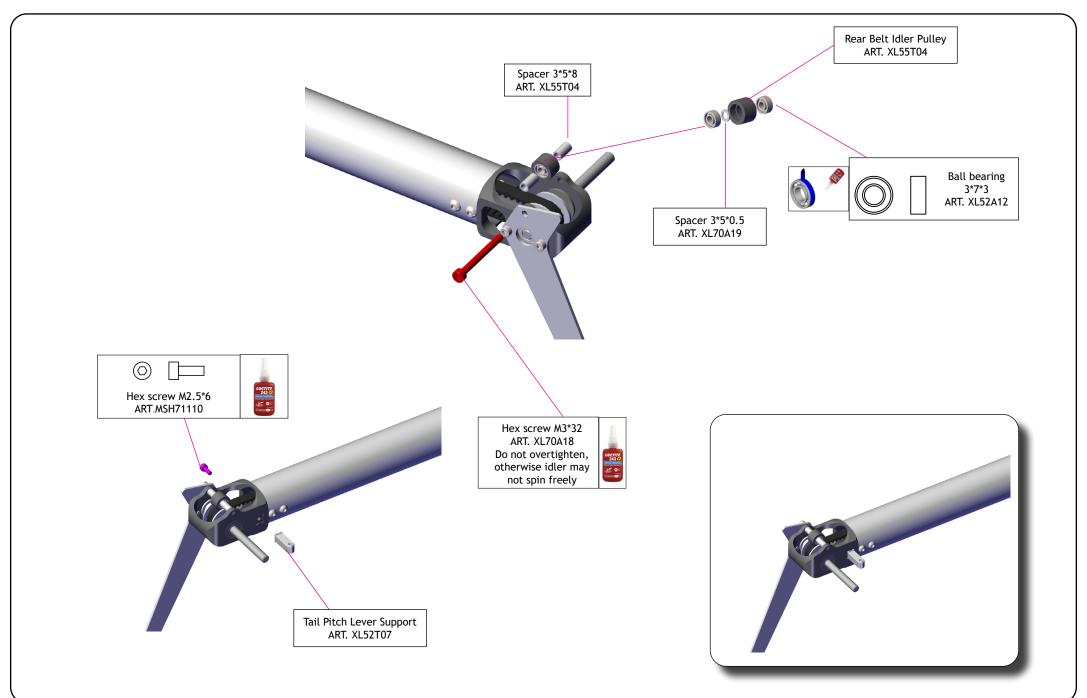


Tapered tail shaft



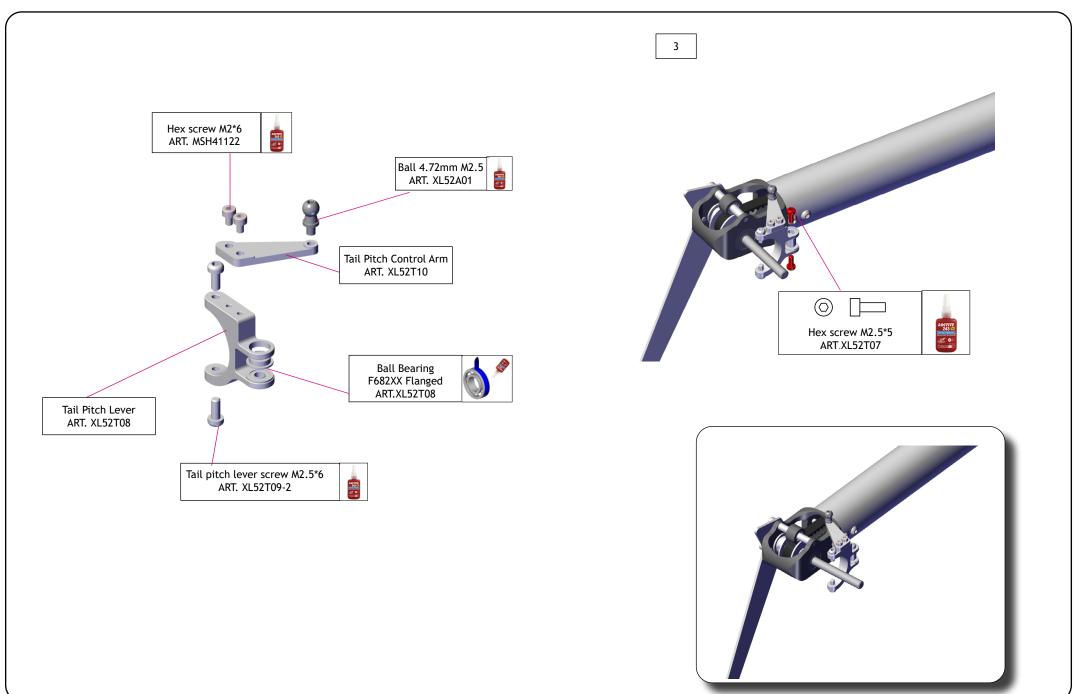




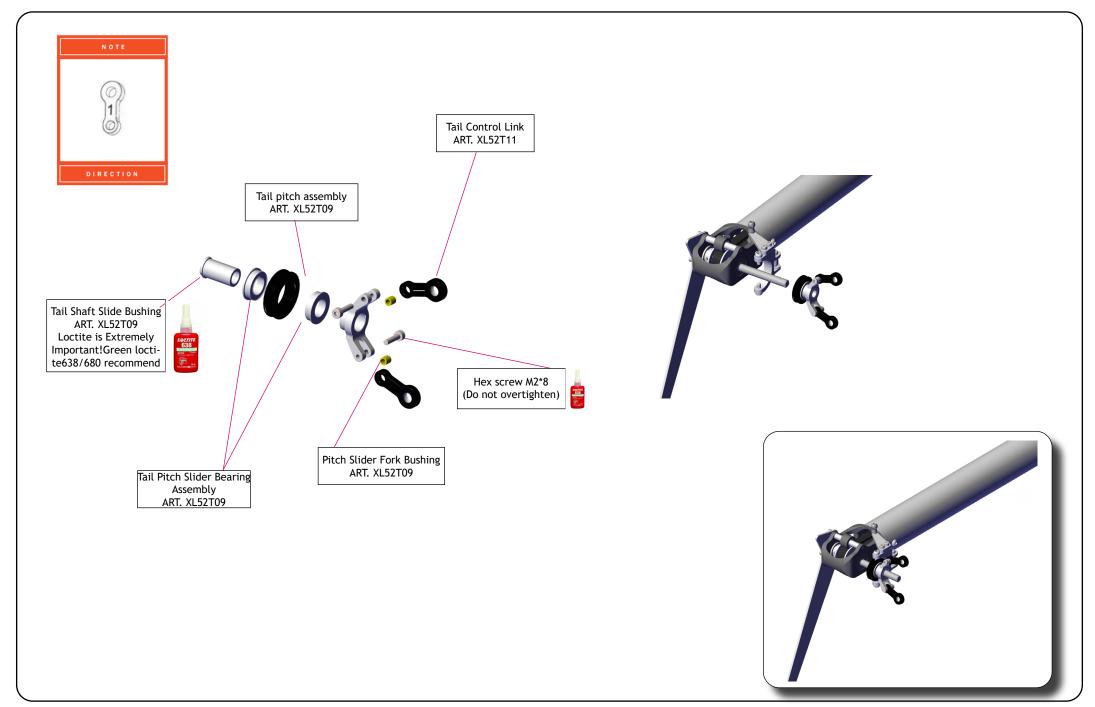






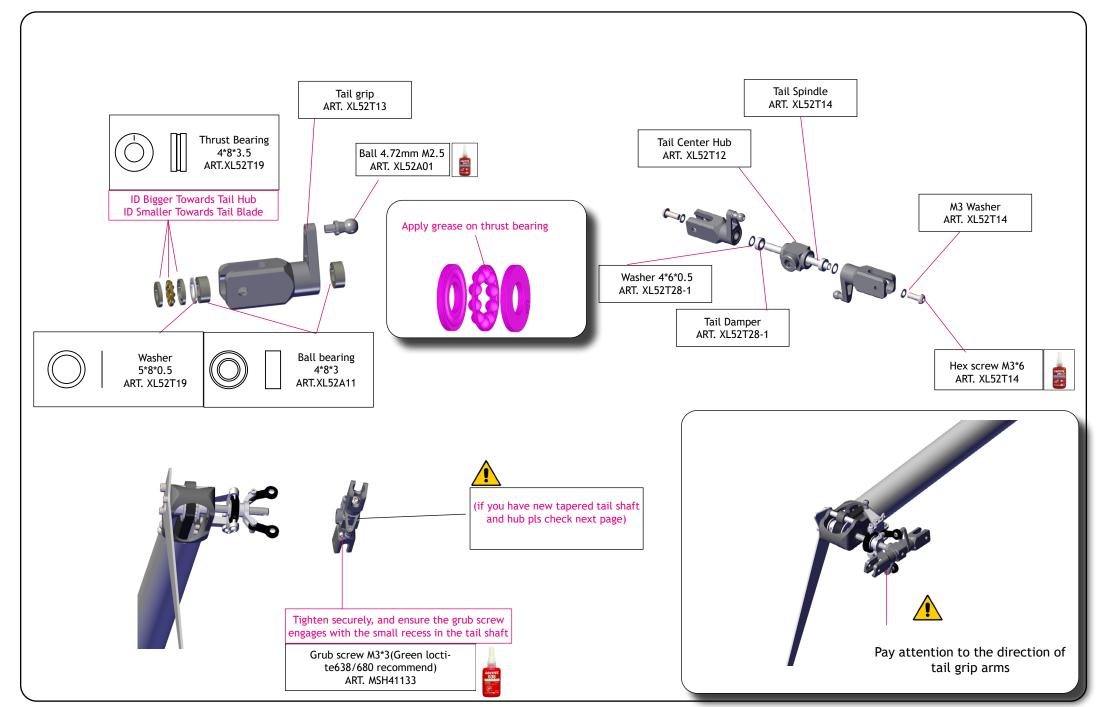






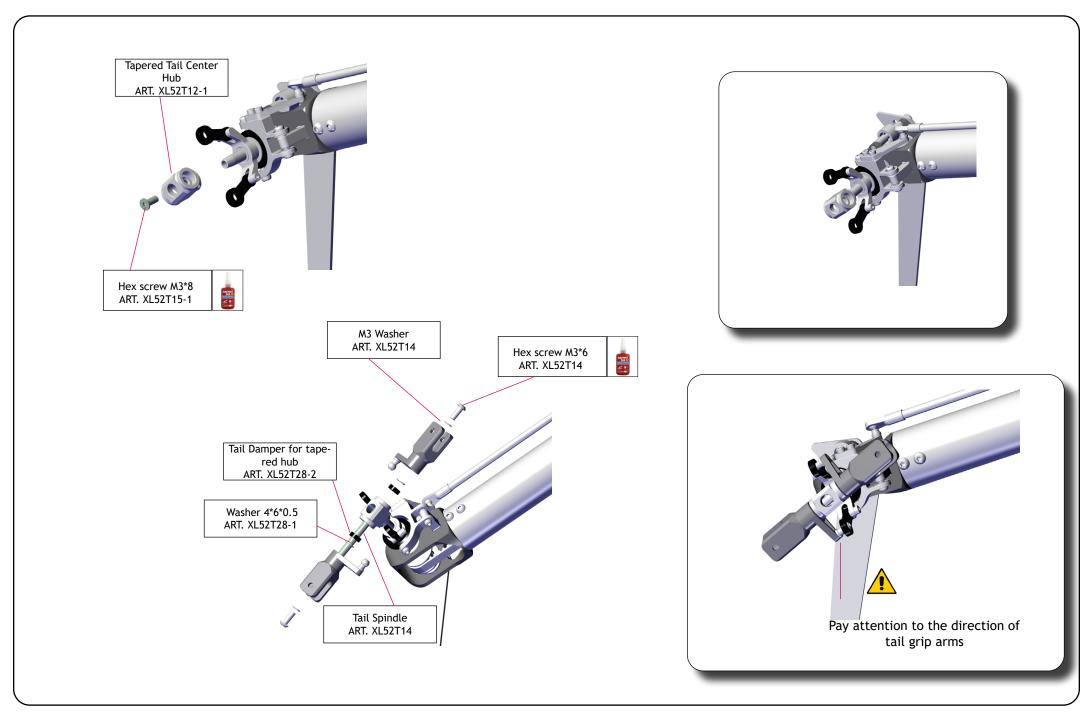






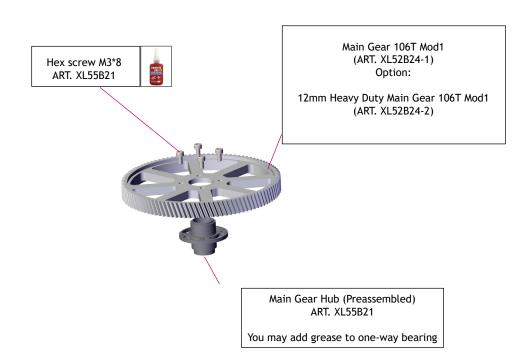
Tapered tail hub

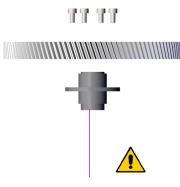




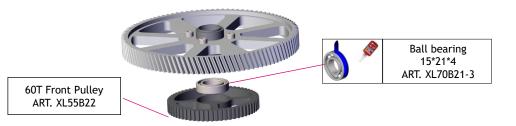








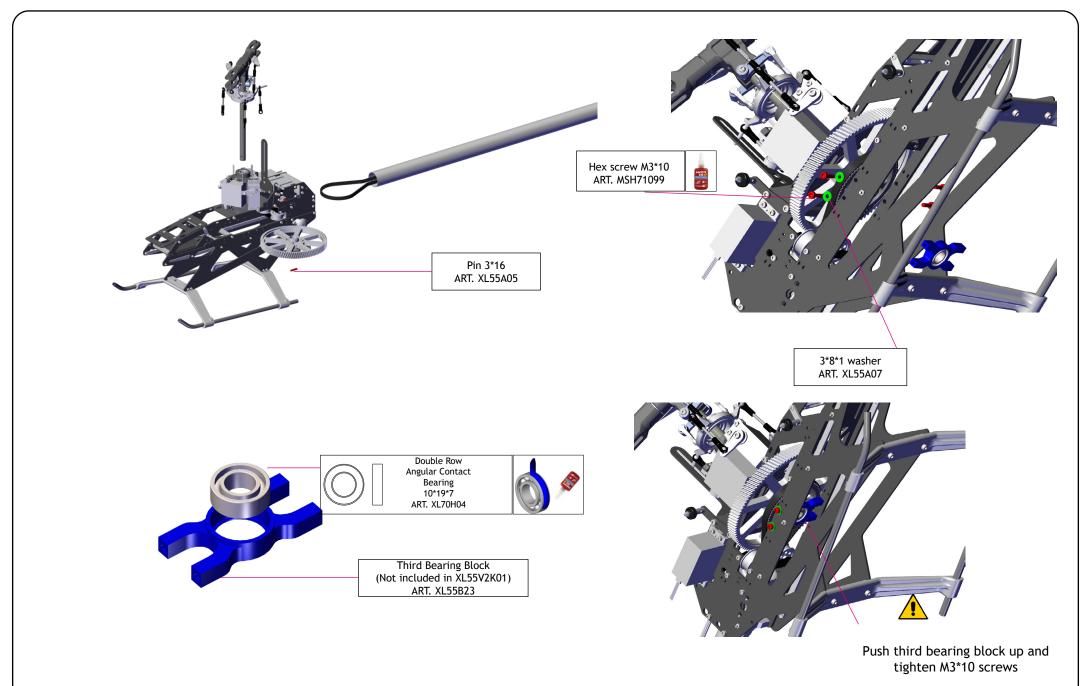
Pay attention to the direction of hub



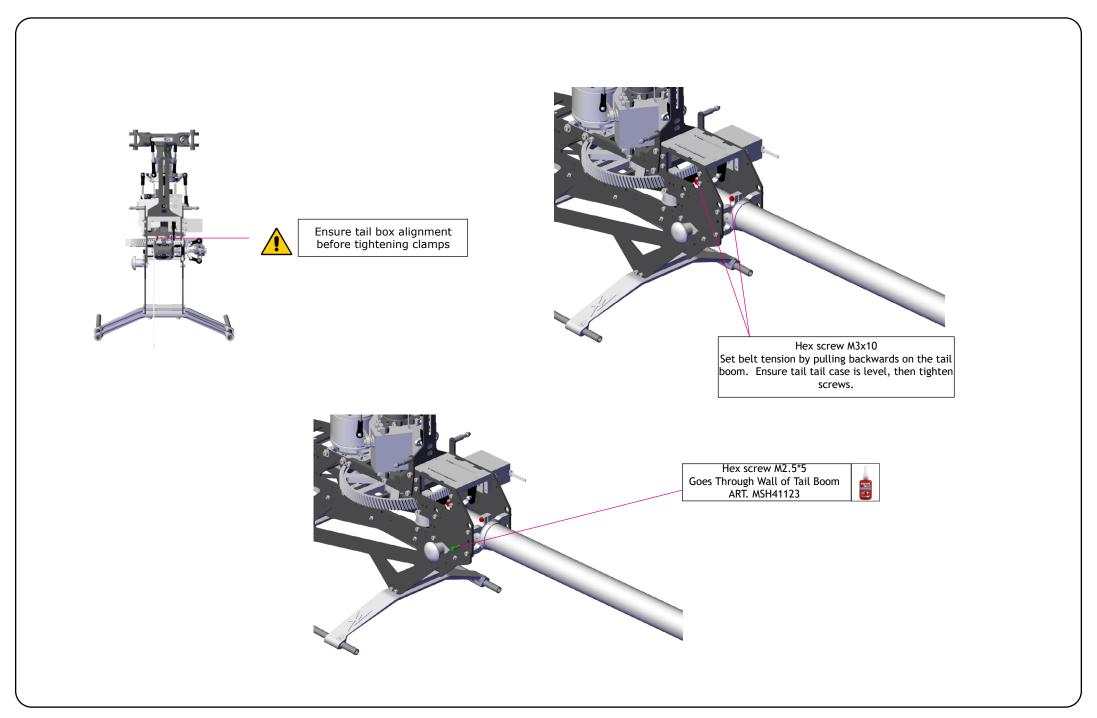






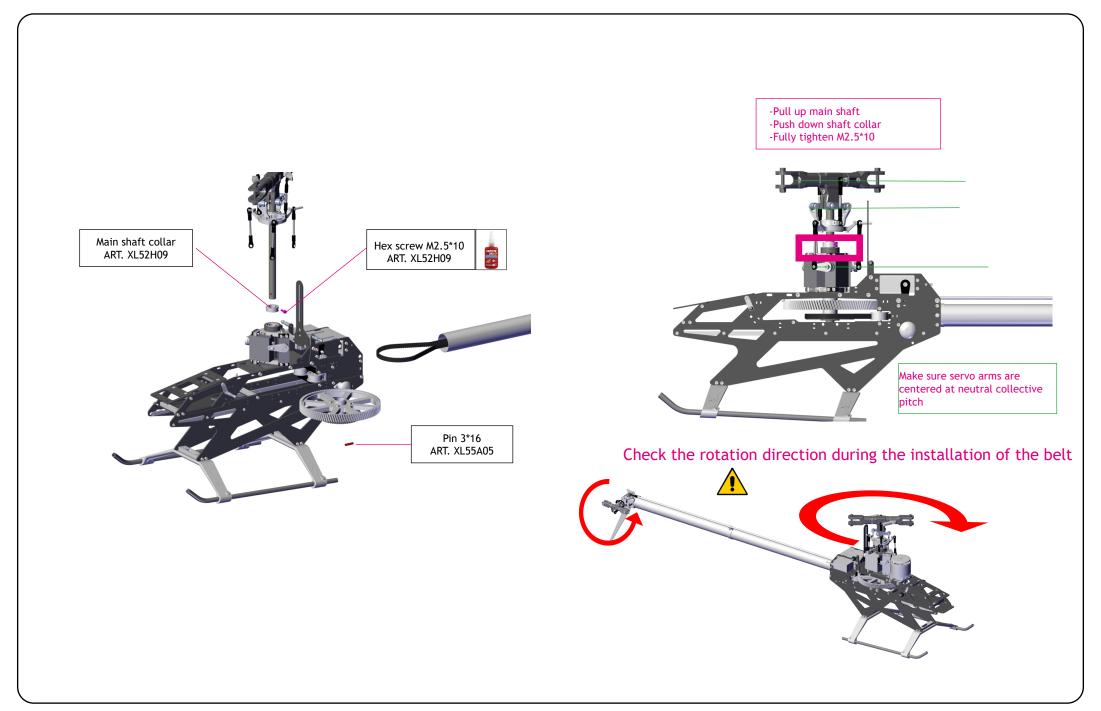




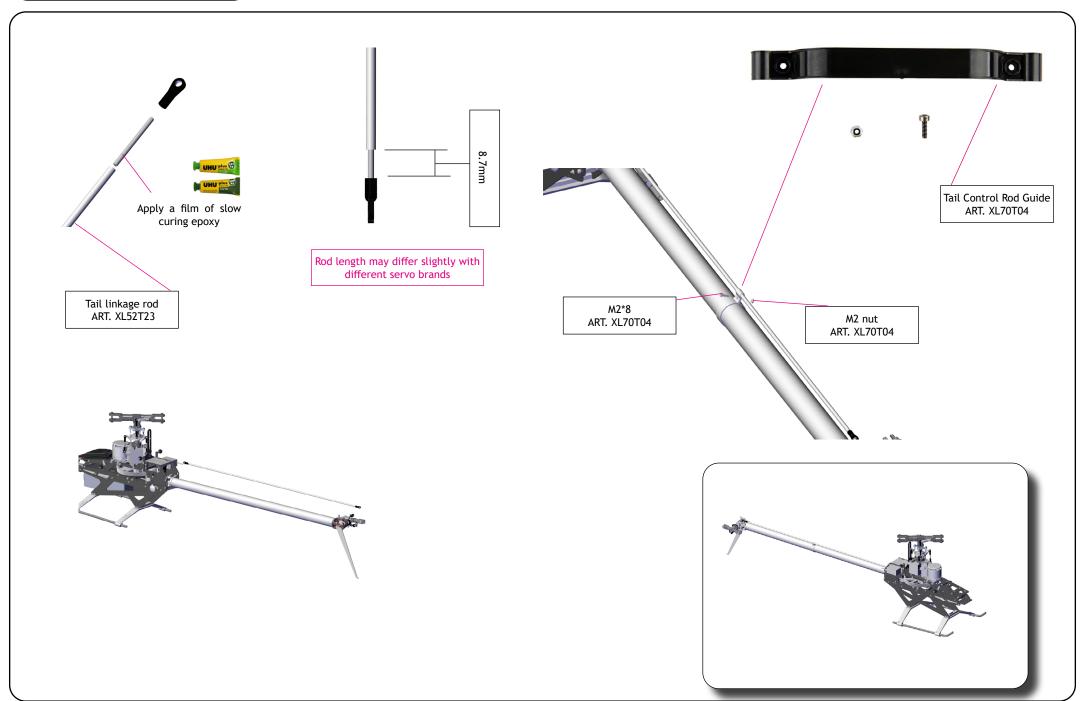




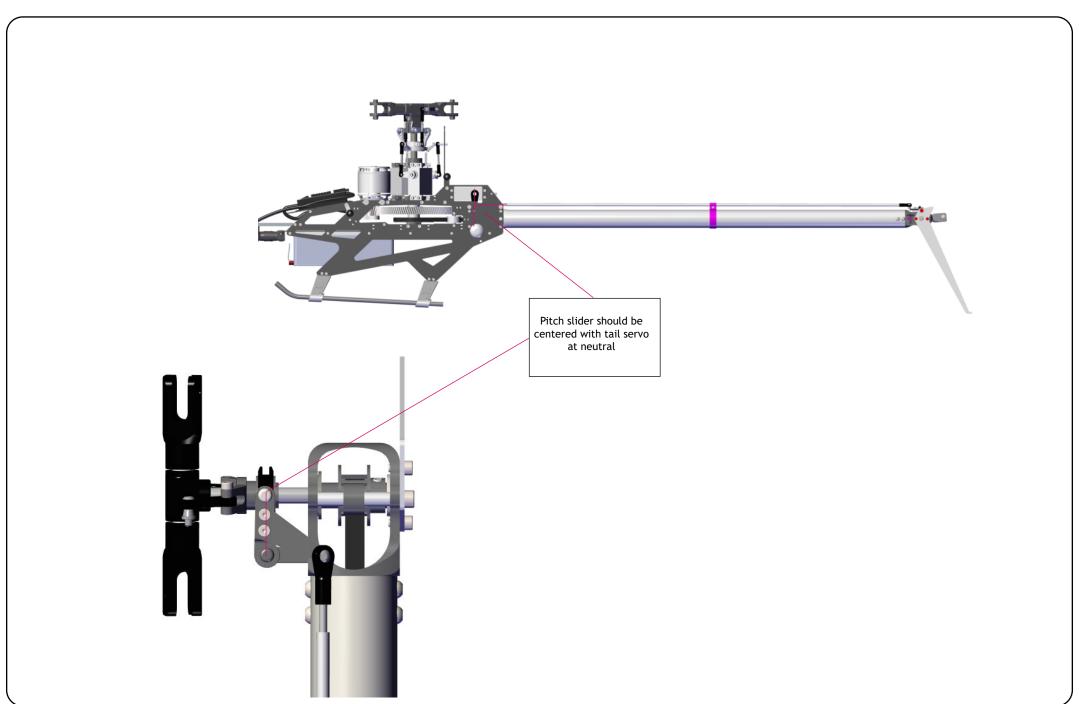






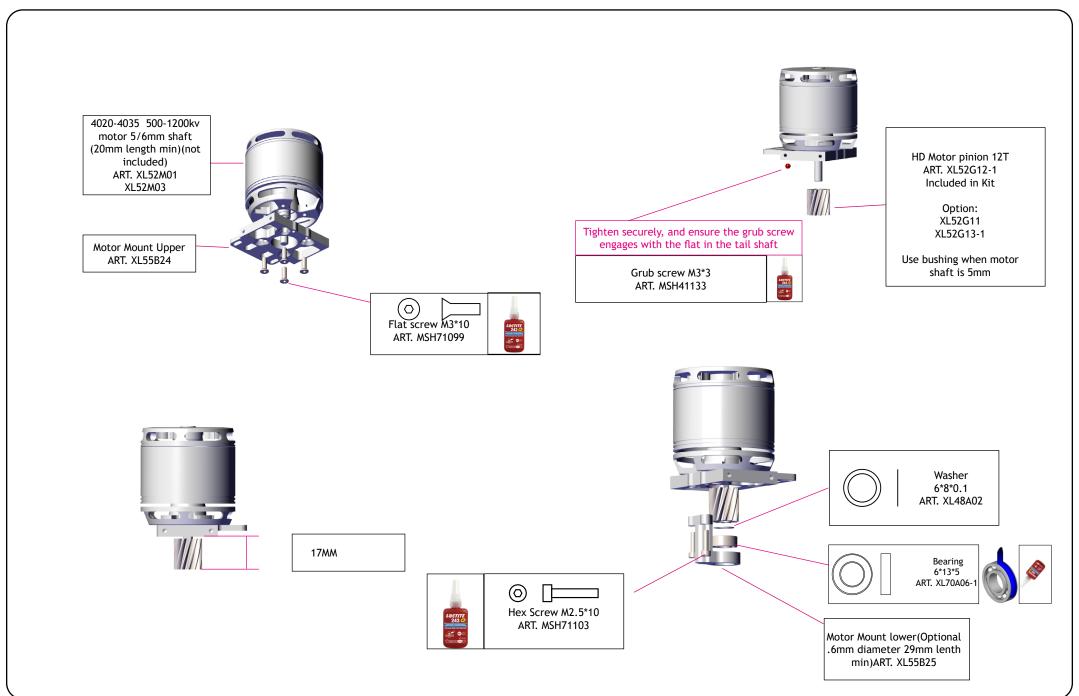




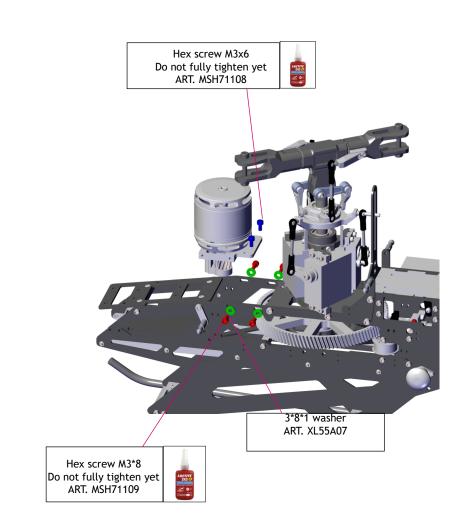


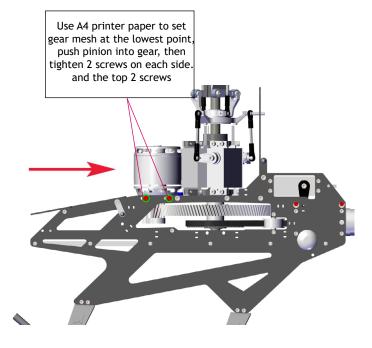






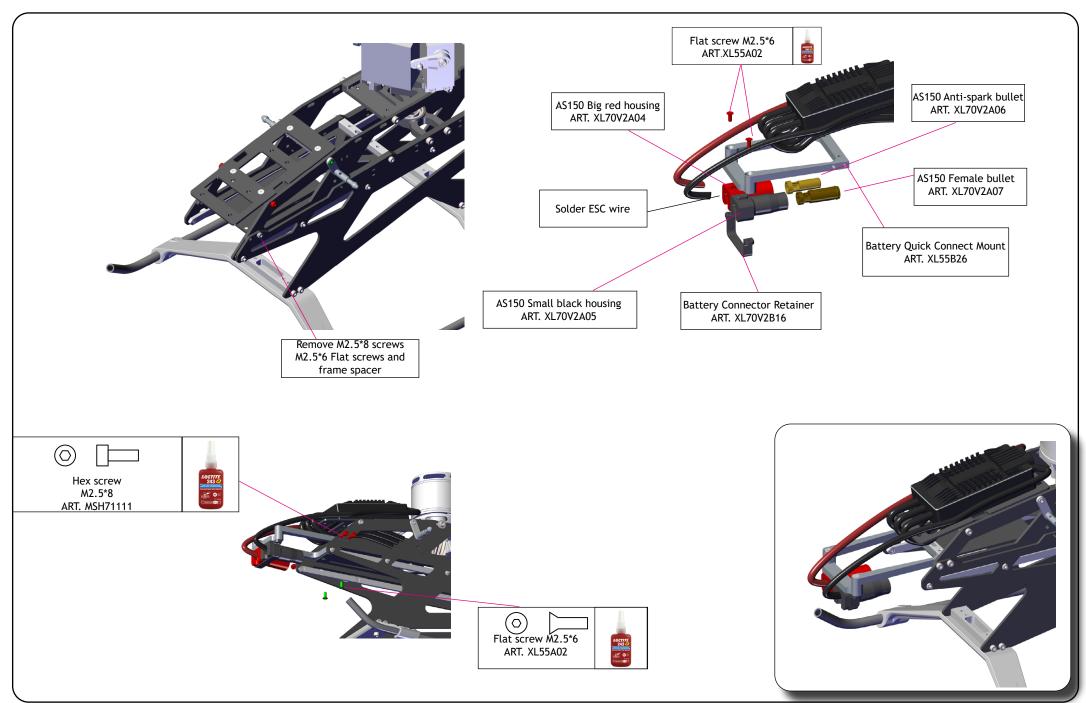






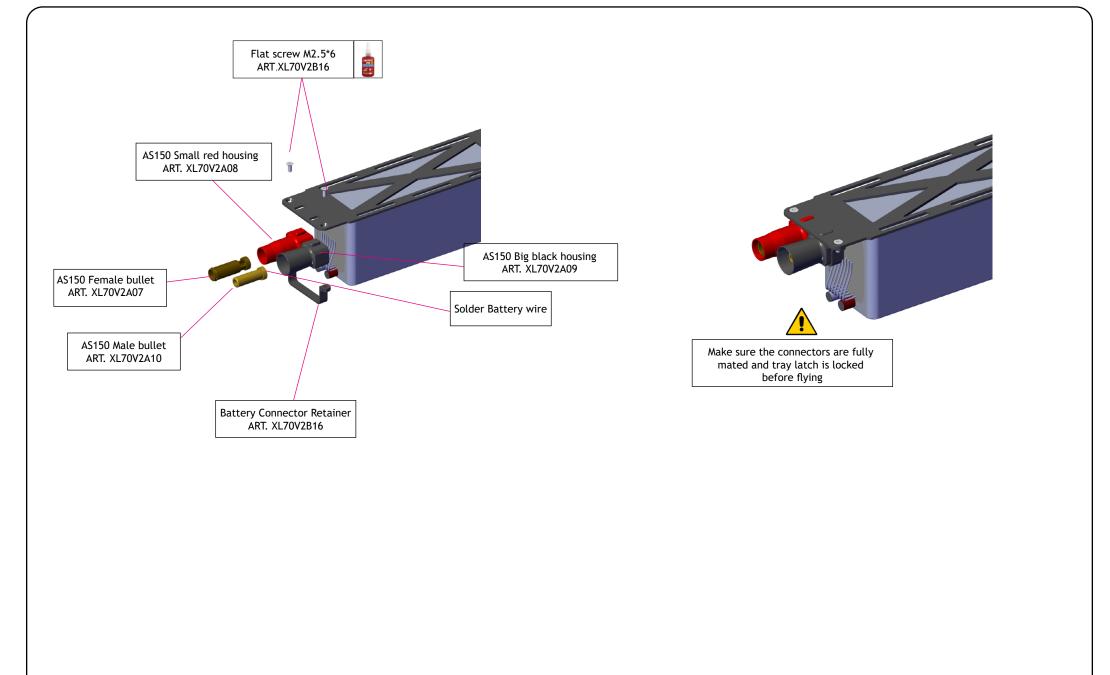






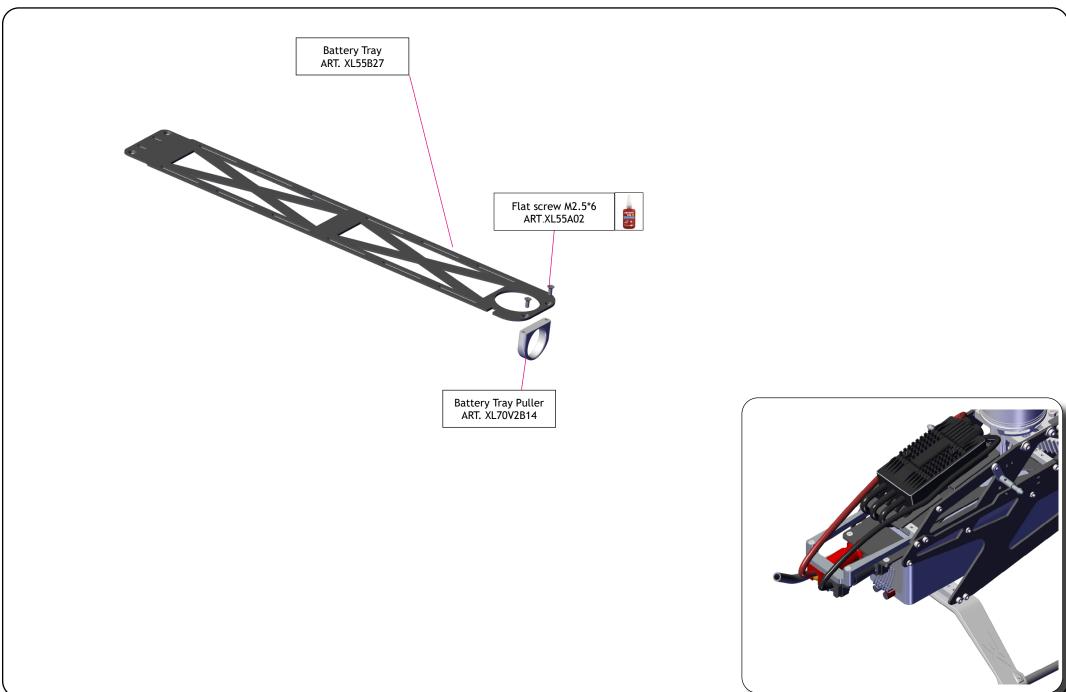














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