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.

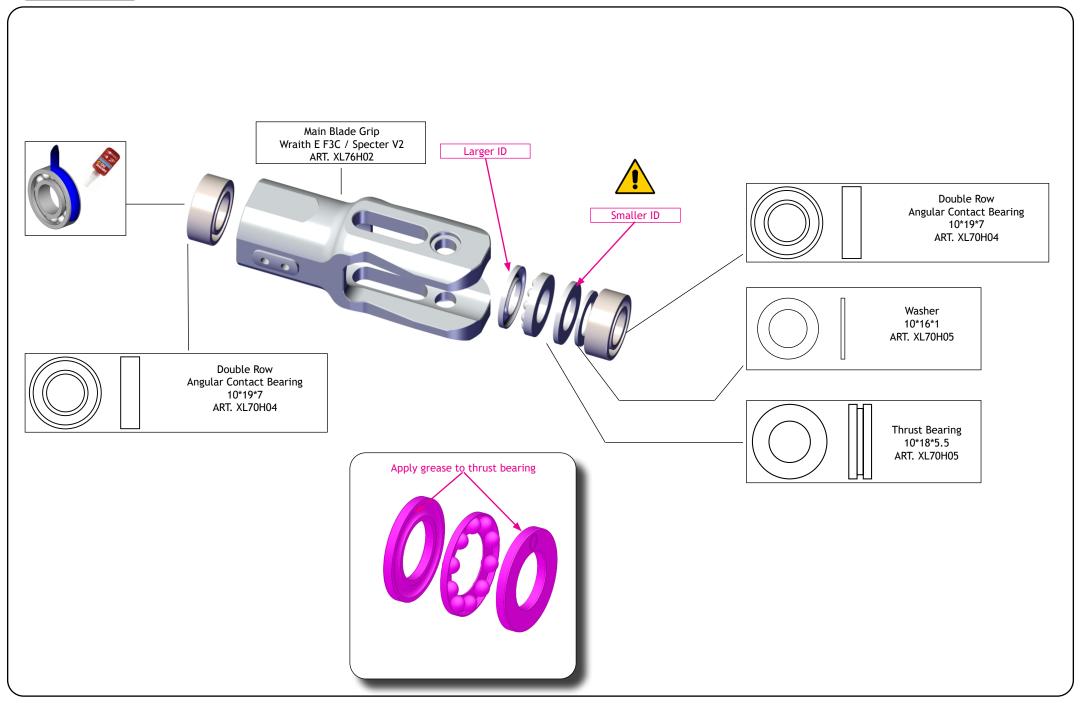
Novice pilots should be assisted by an experienced pilot and never fly alone!

Equipment Required for Assembly

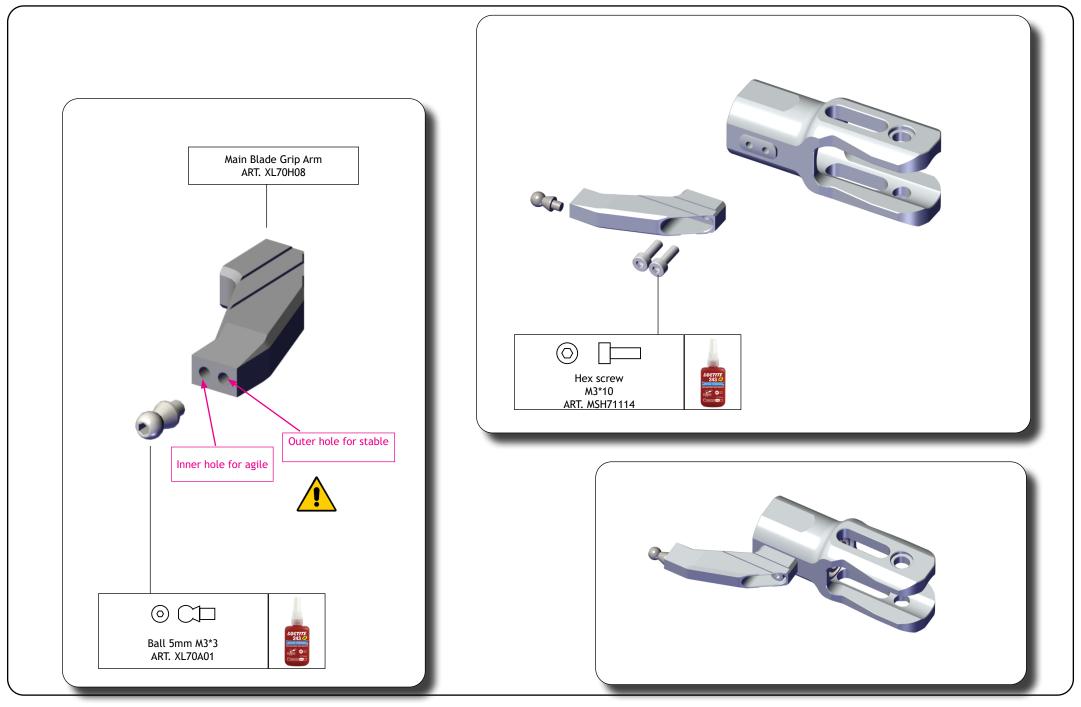


Swashplate Servos: Standard Size (Qty. 3)	ESC: 130HV-250HV Typical	Hex Screwdriver Sizes: 1.5mm 2mm 2.5mm * 2 3mm 4mm * 2
Tail Servo Standard Size (Qty. 1)	Main Blades: Carbon Fiber 690mm - 720mm	Where indicated, use Thread lock MEDIUM
Trasmitter Receiver/Satellites Flybarless Unit	Tail blades: Carbon Fiber 105mm to 116mm	Thrust Bearing Grease
Battery Pack (Typical): LiPo 6s 4000-5500mAh * 2 or LiPo 7s 4000-5500mAh * 2	Motor: 4525-4530 500kv-550kv Typical	Pitch Gauge

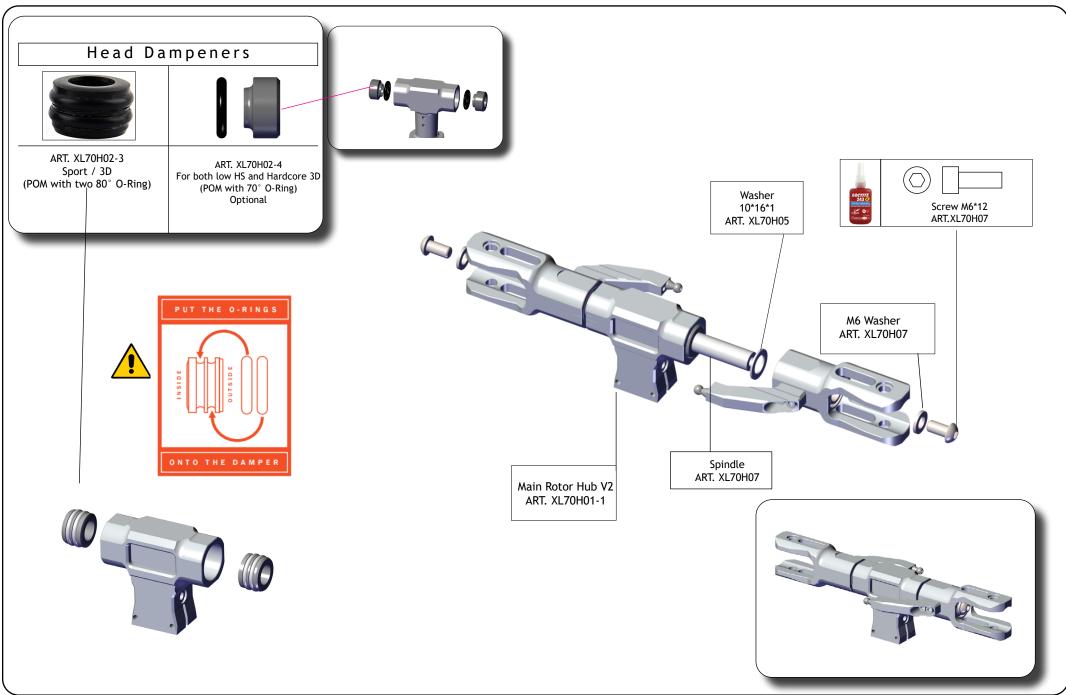






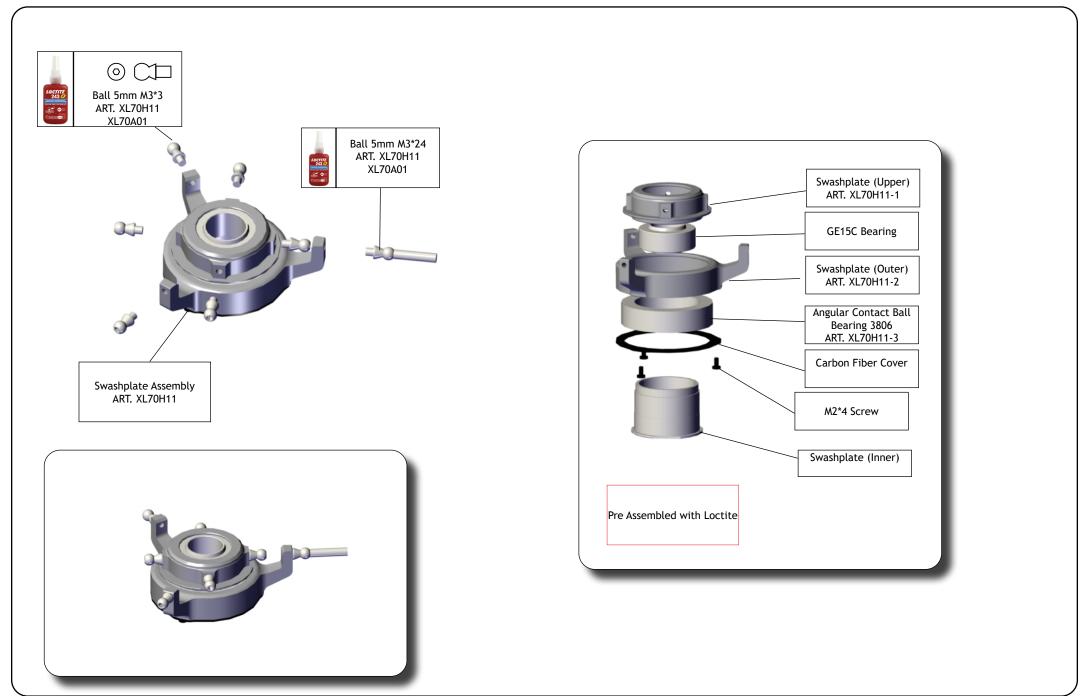




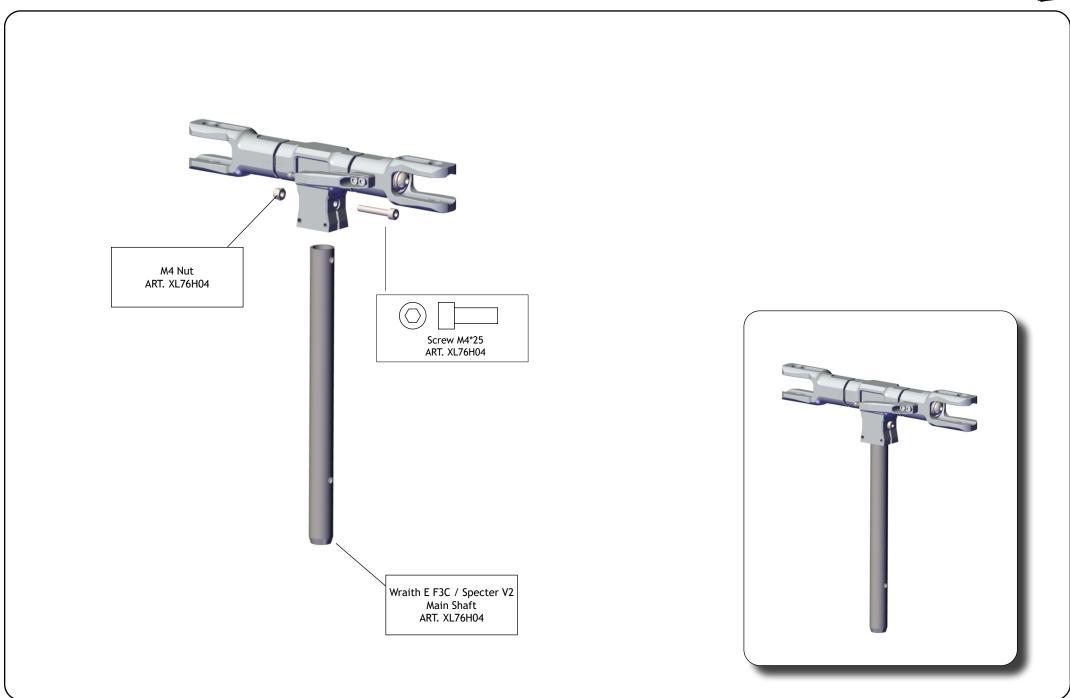


HB-1-5



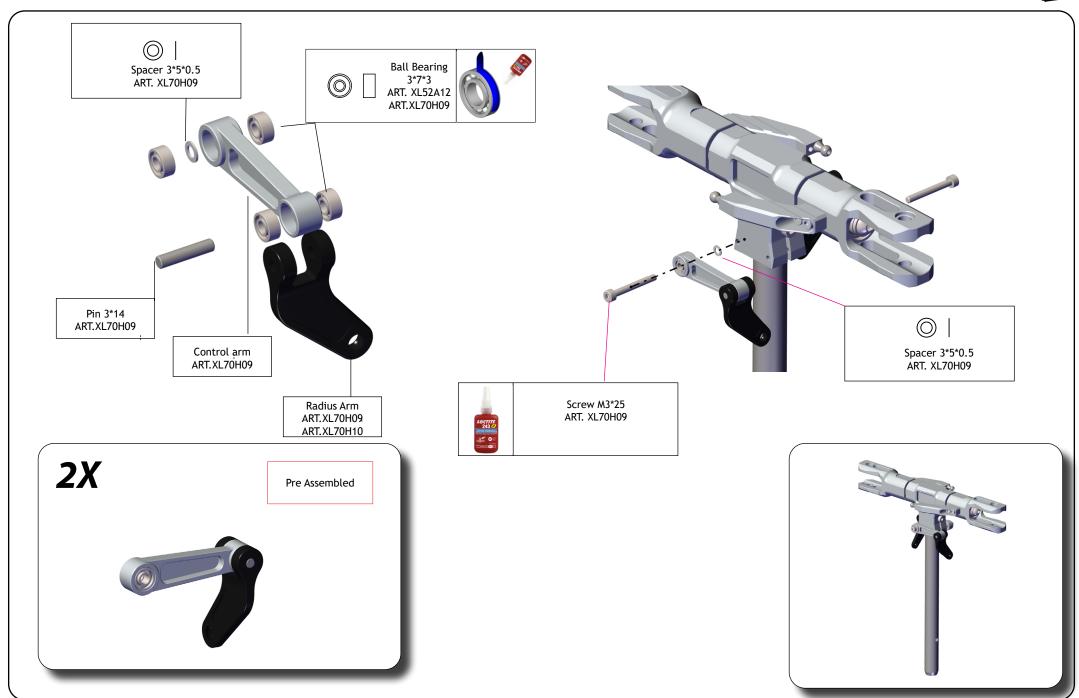






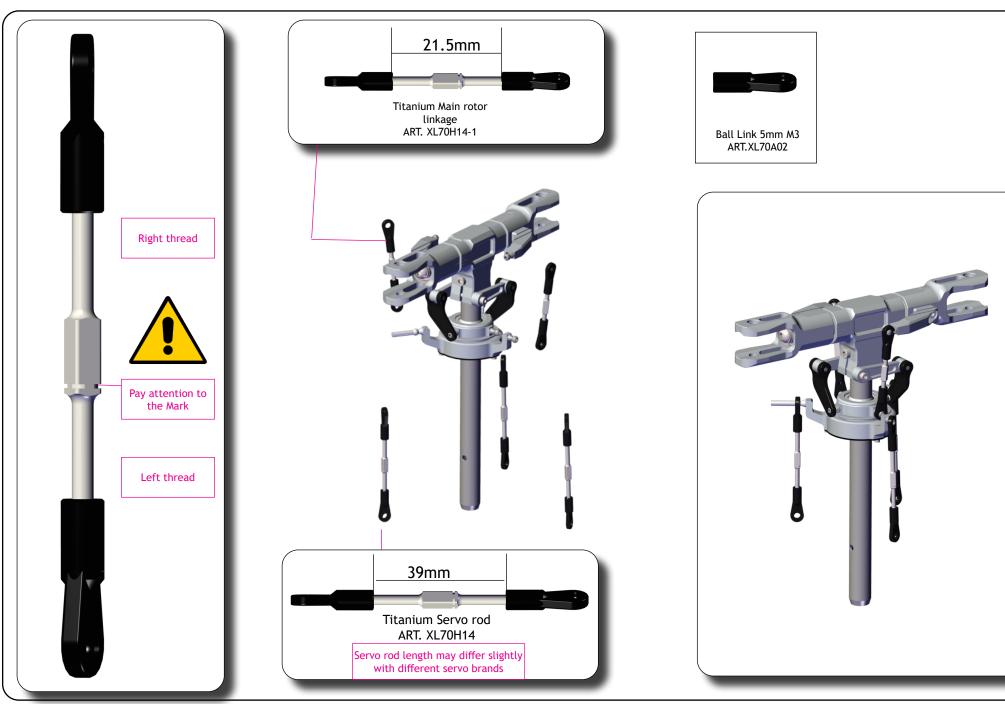
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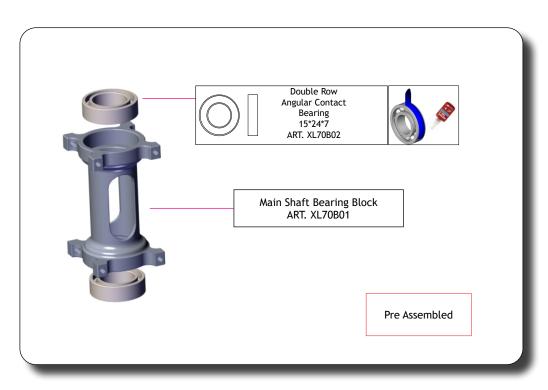


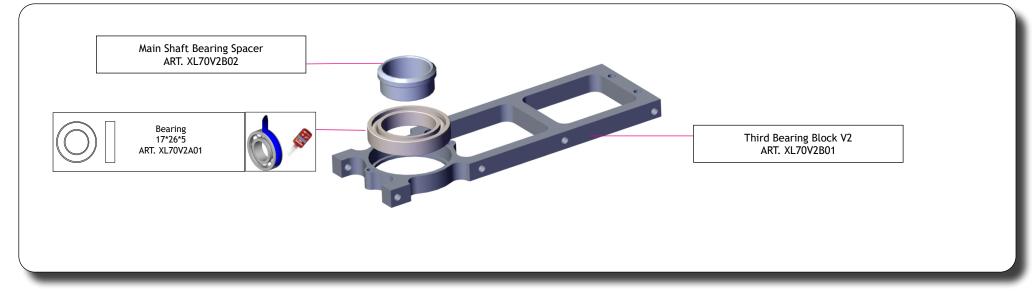
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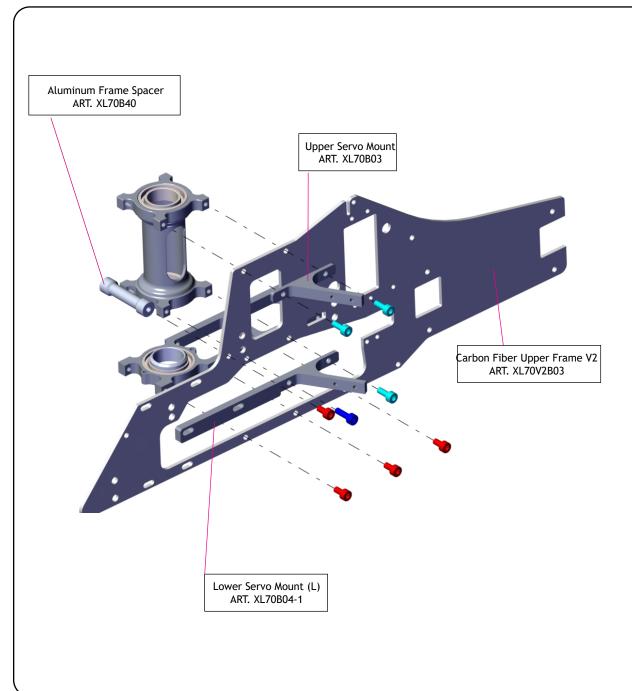


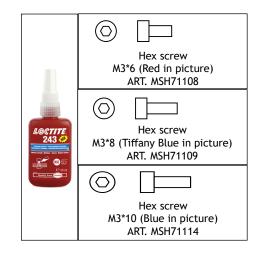


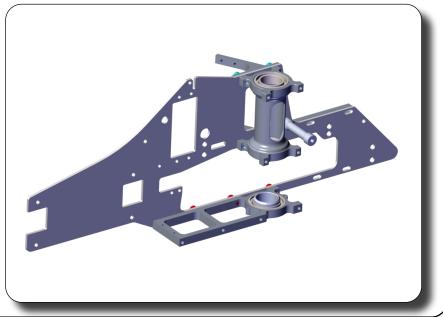


BB-1-4+BB-4-5+BB-2

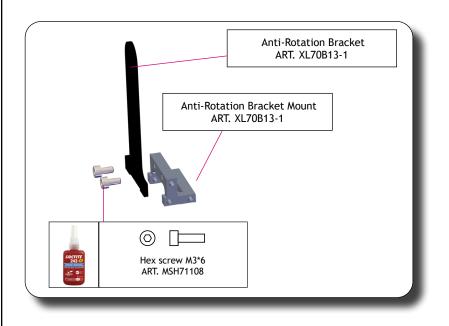


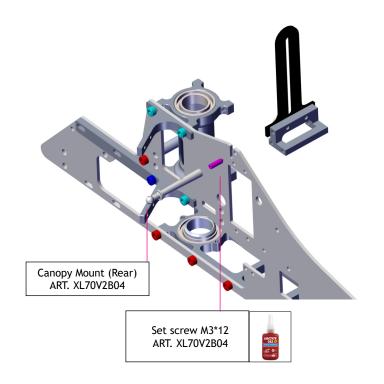


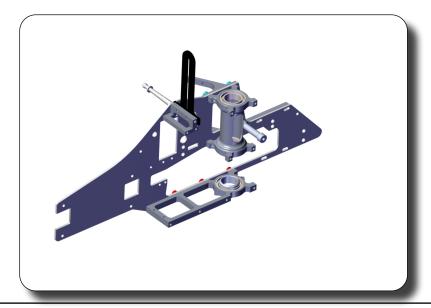




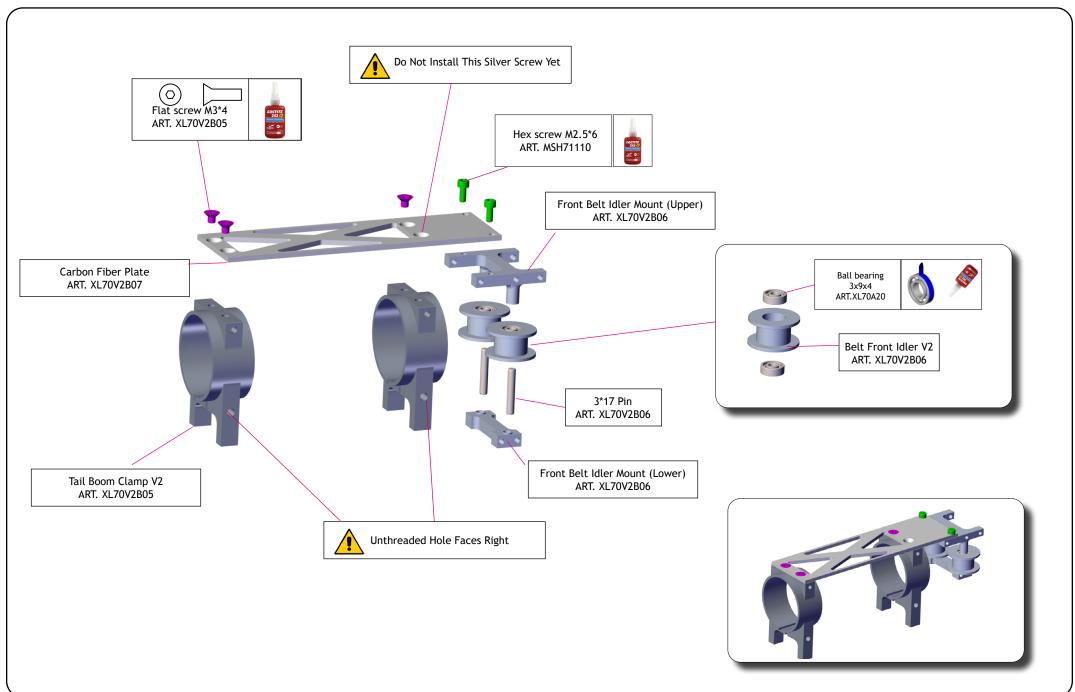




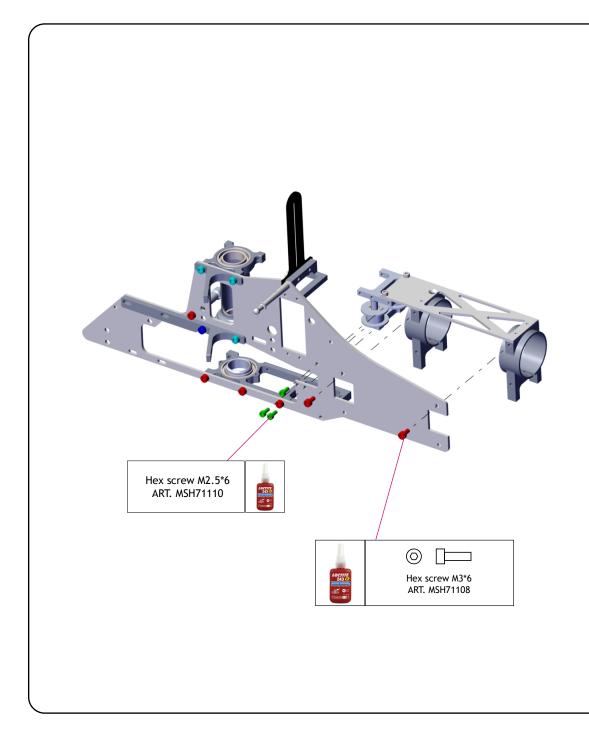


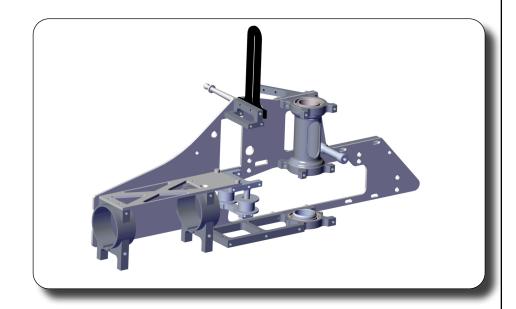


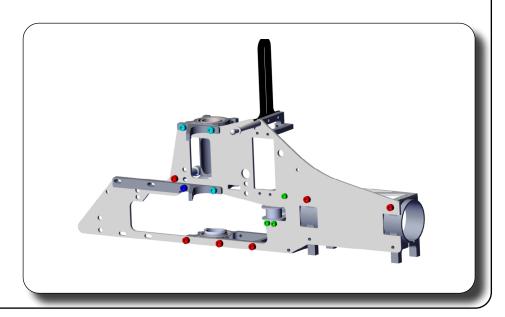




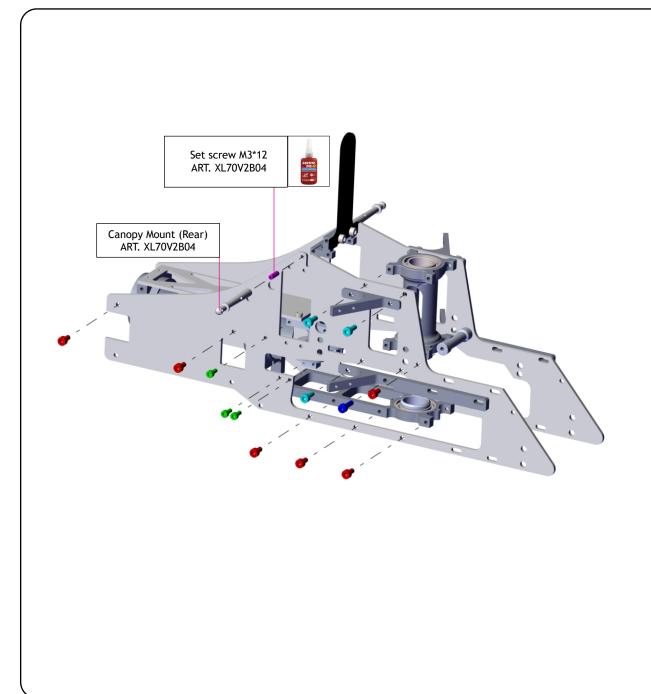


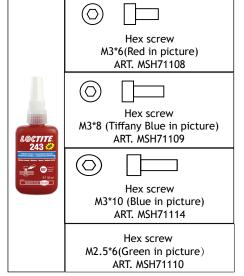


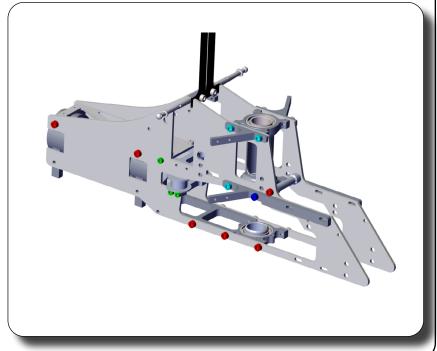


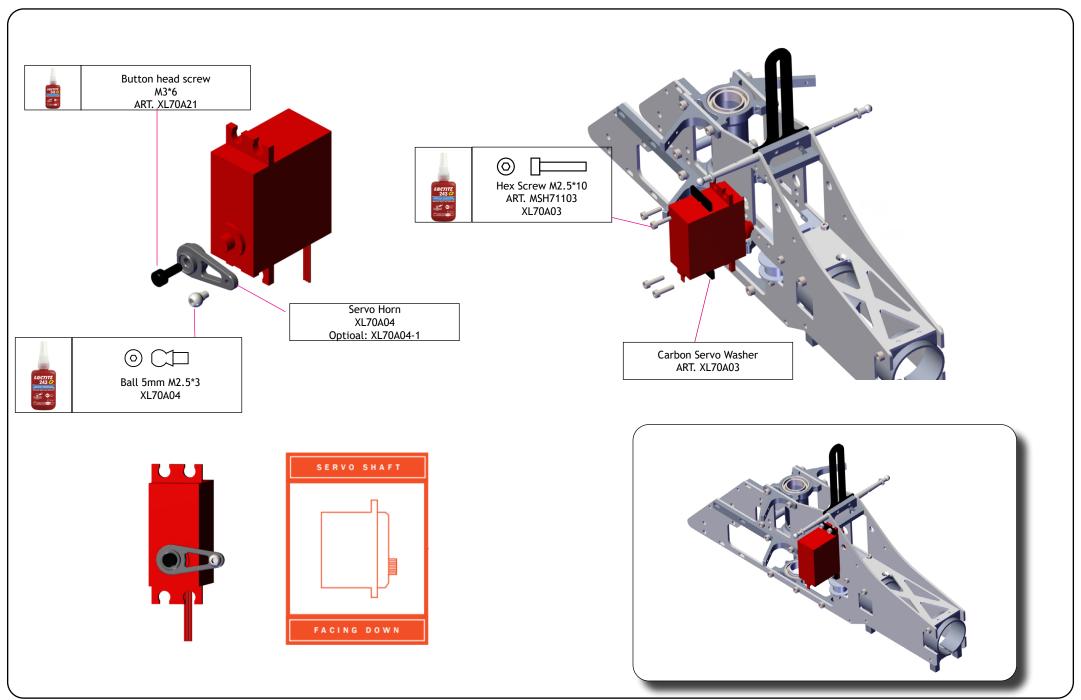






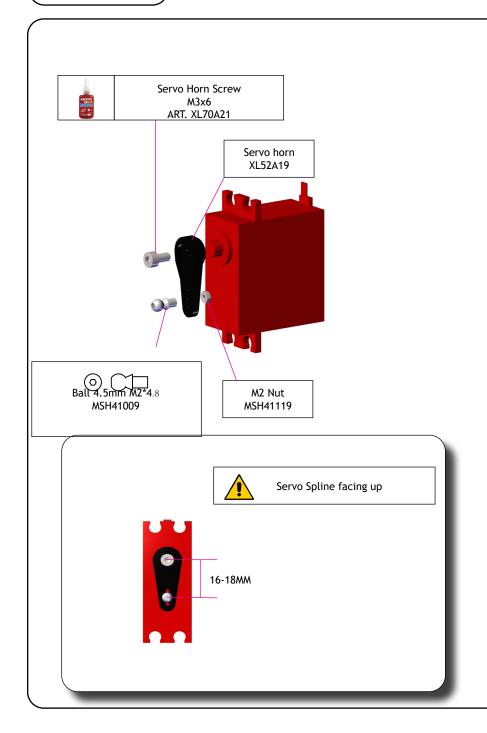


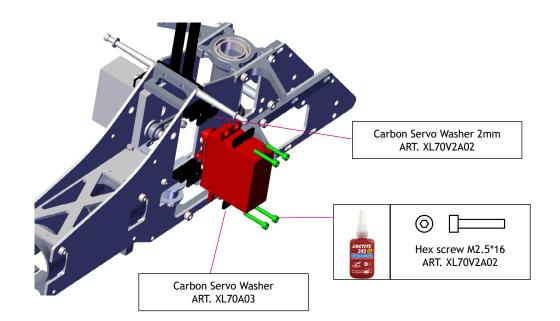




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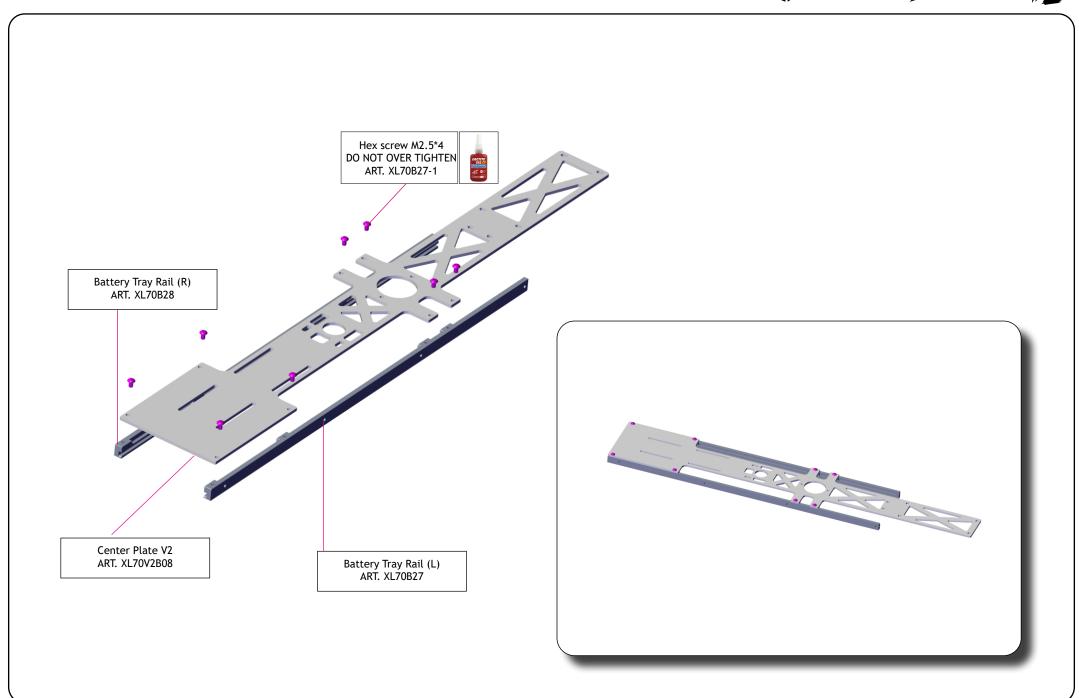




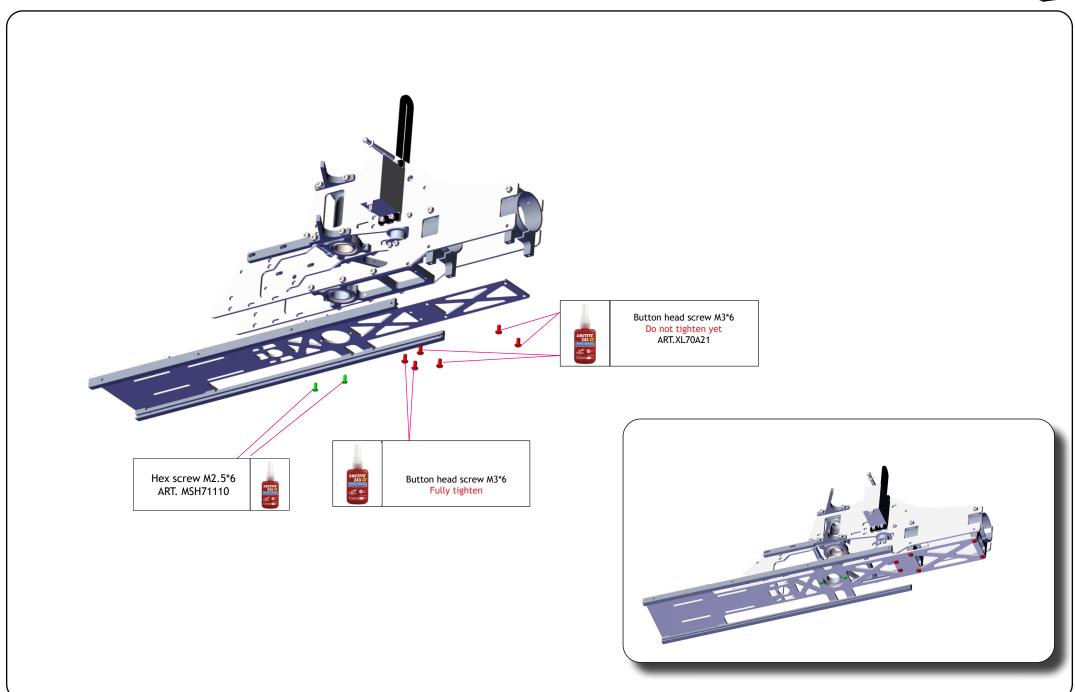


The exact number of "Carbon Servo Washer 2mm" you use will vary depending on the exact servo and servo horn used. Only add enough spacers to prevent the tail servo from binding on the elevator servo arm/ball throughout it's full range of travel.

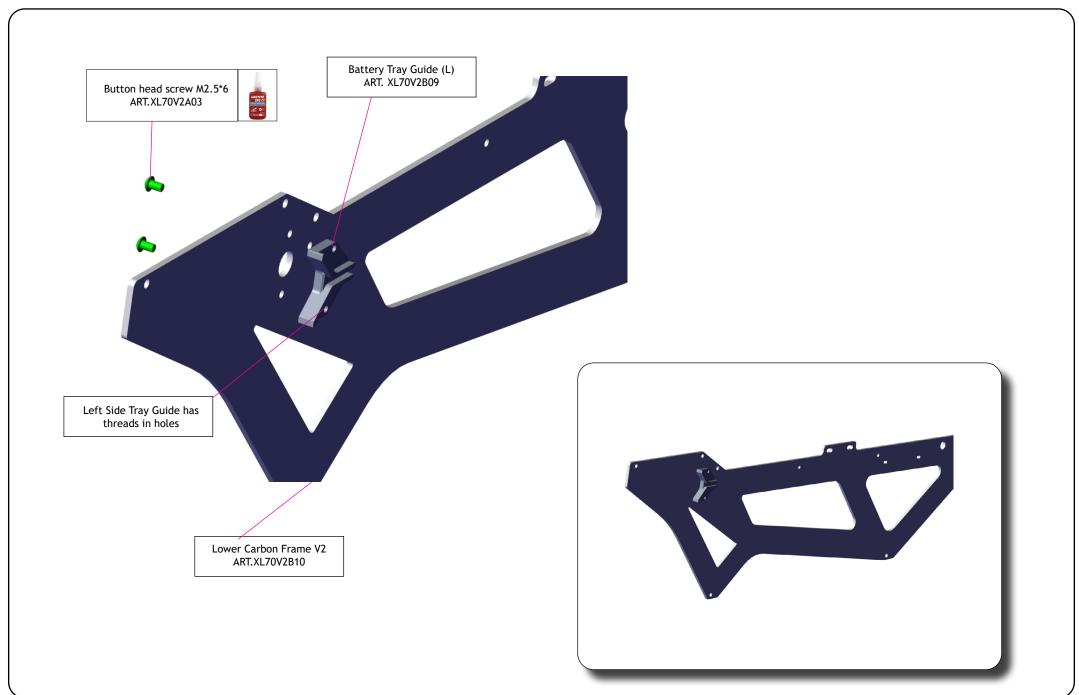




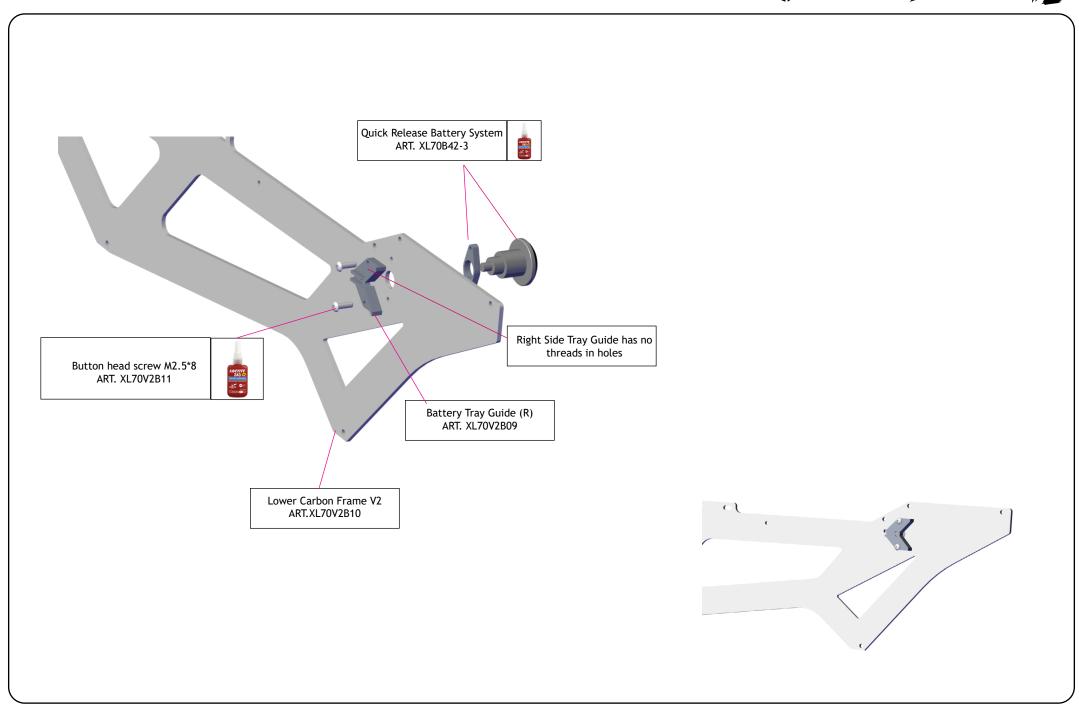






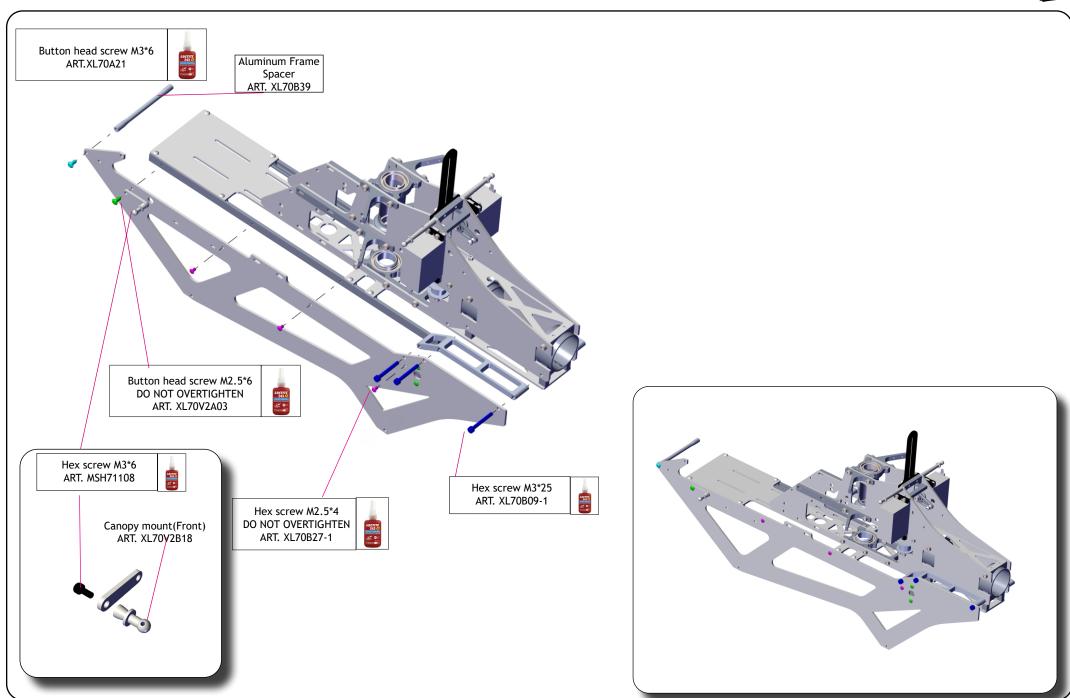






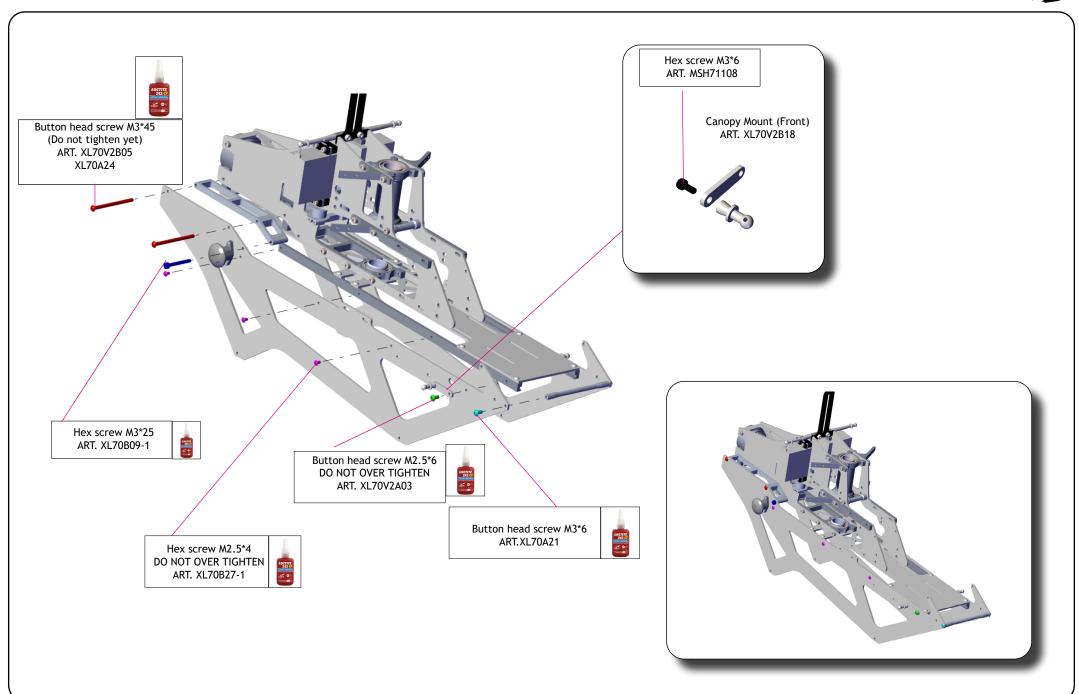
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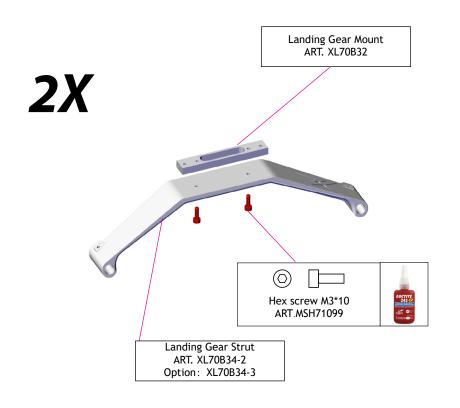


BB-1-9+BB-4



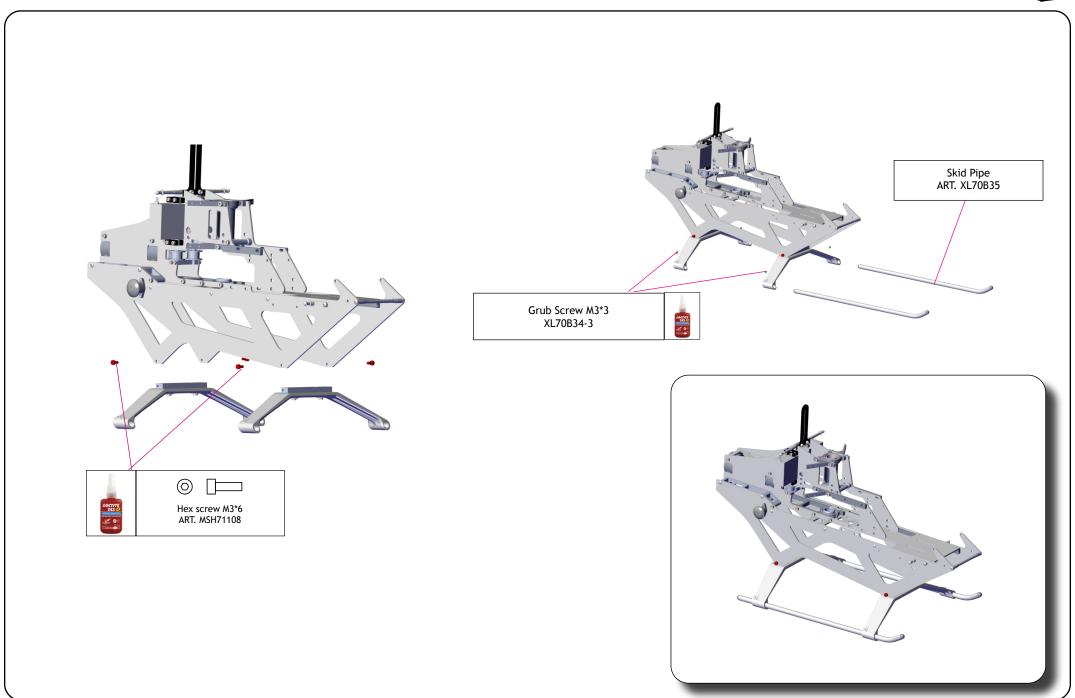




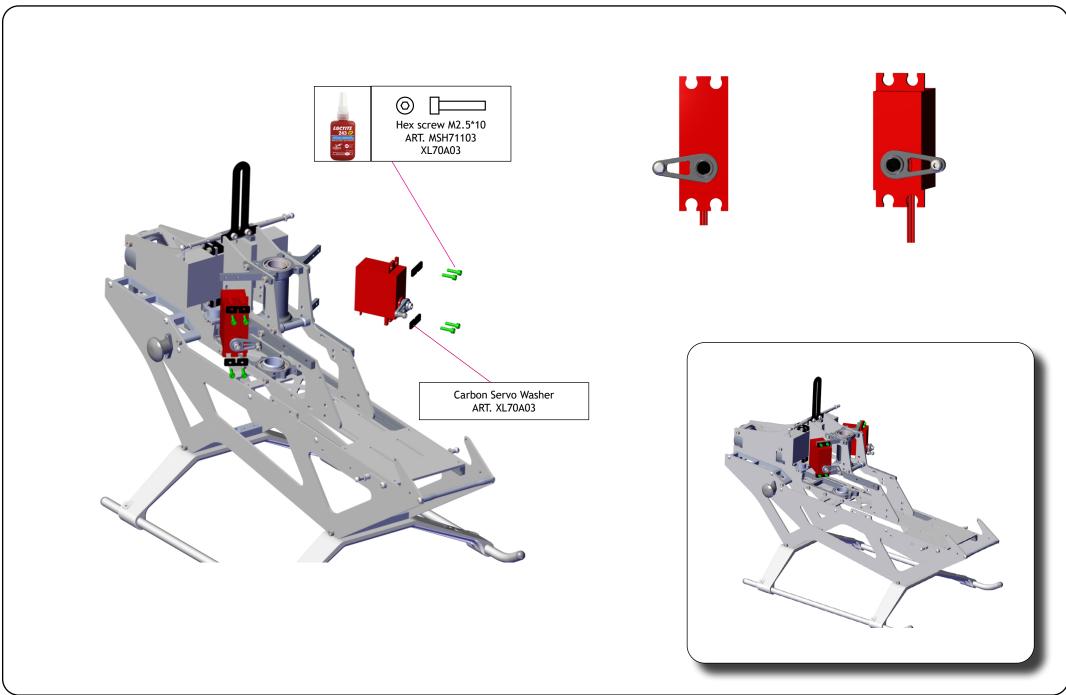






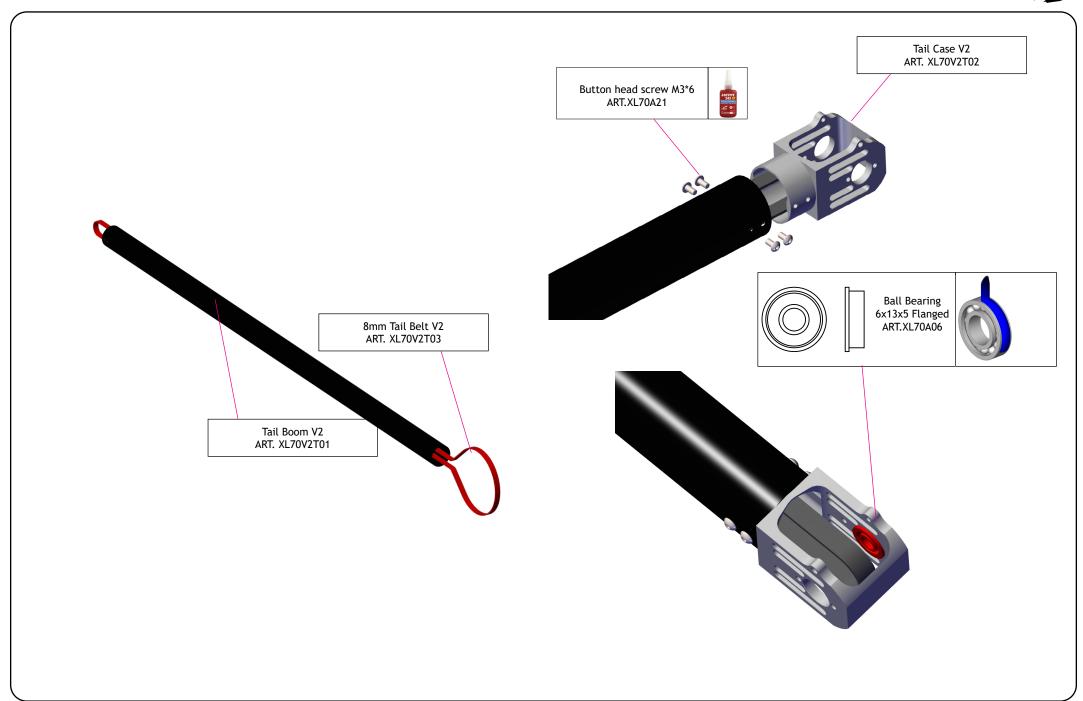




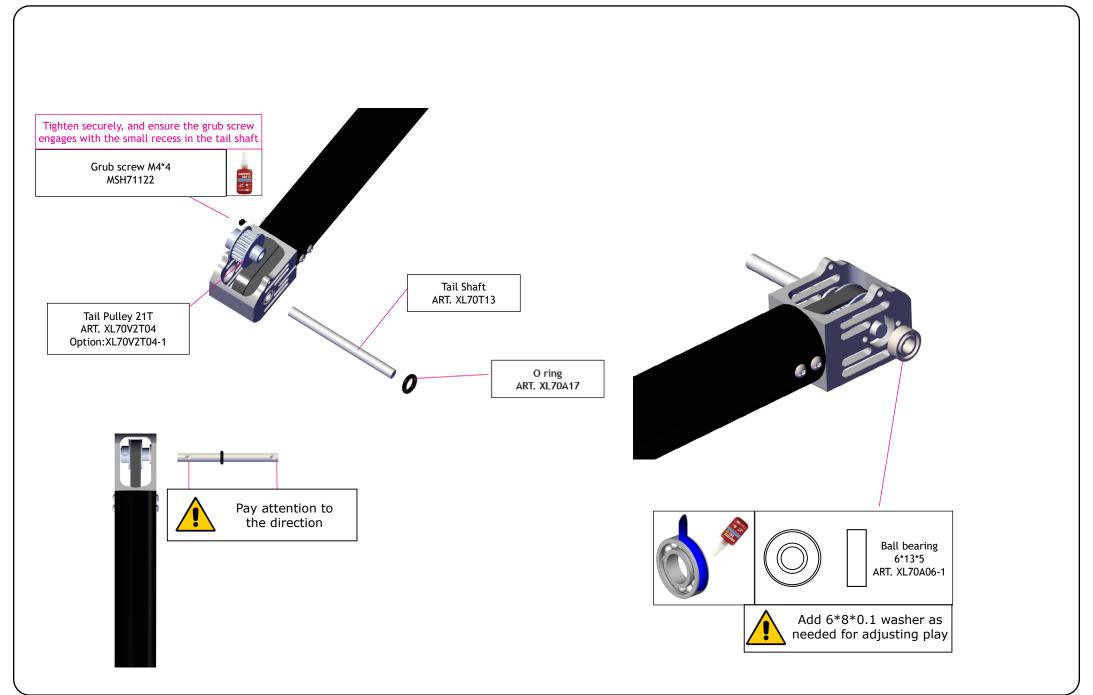


TB-1-2+TB-1-4+TB-2

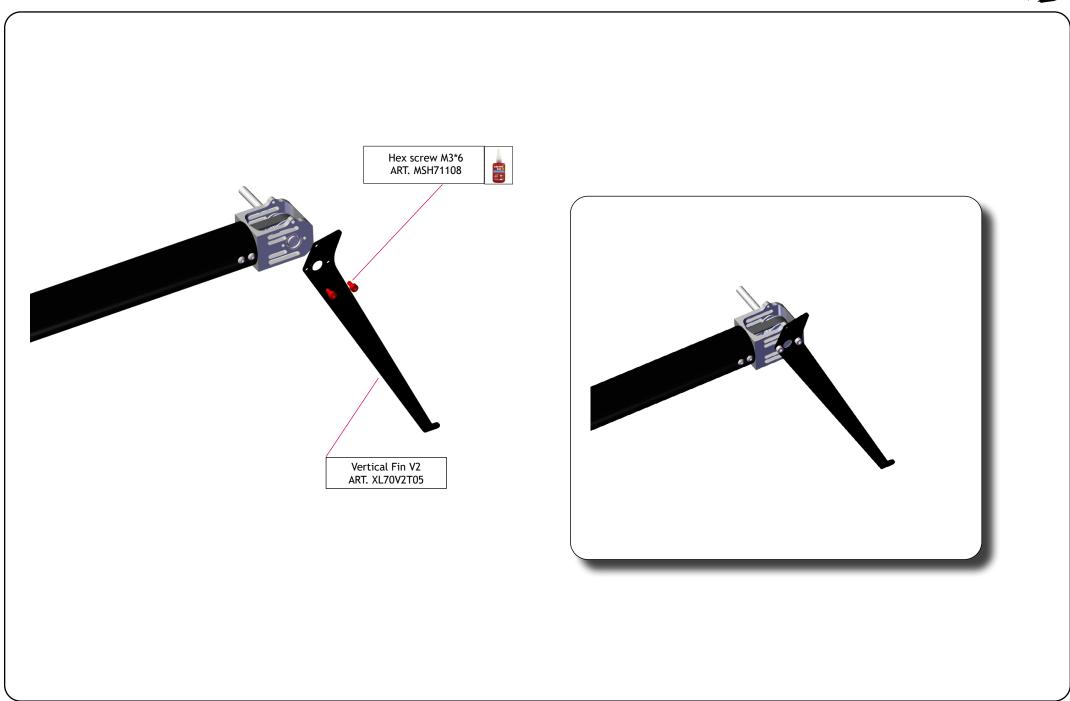




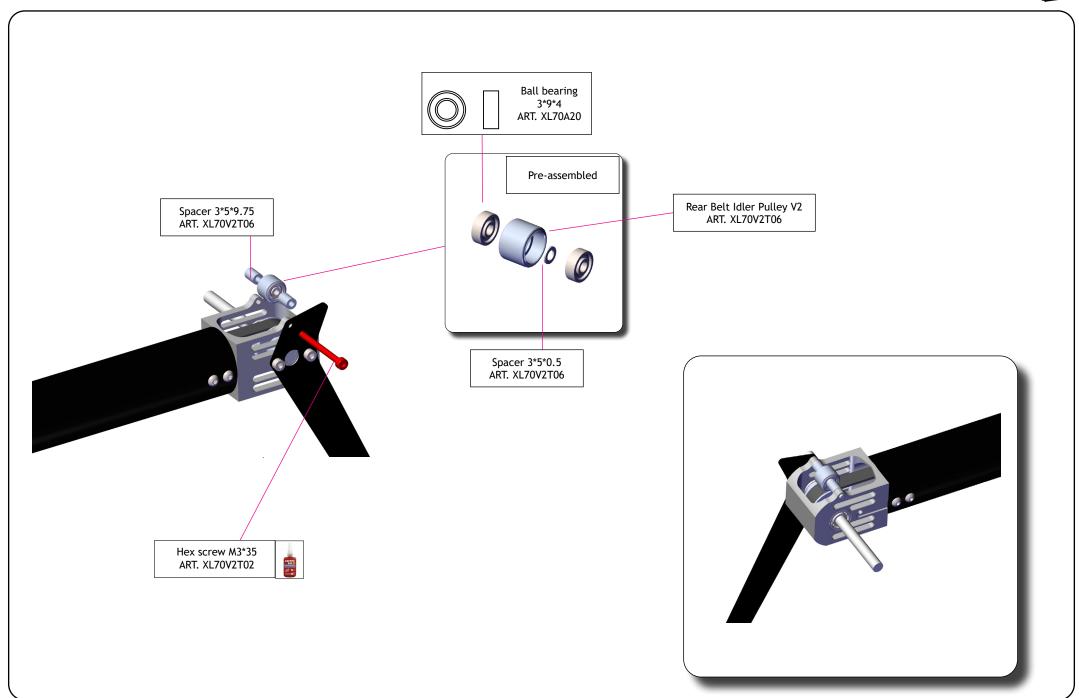




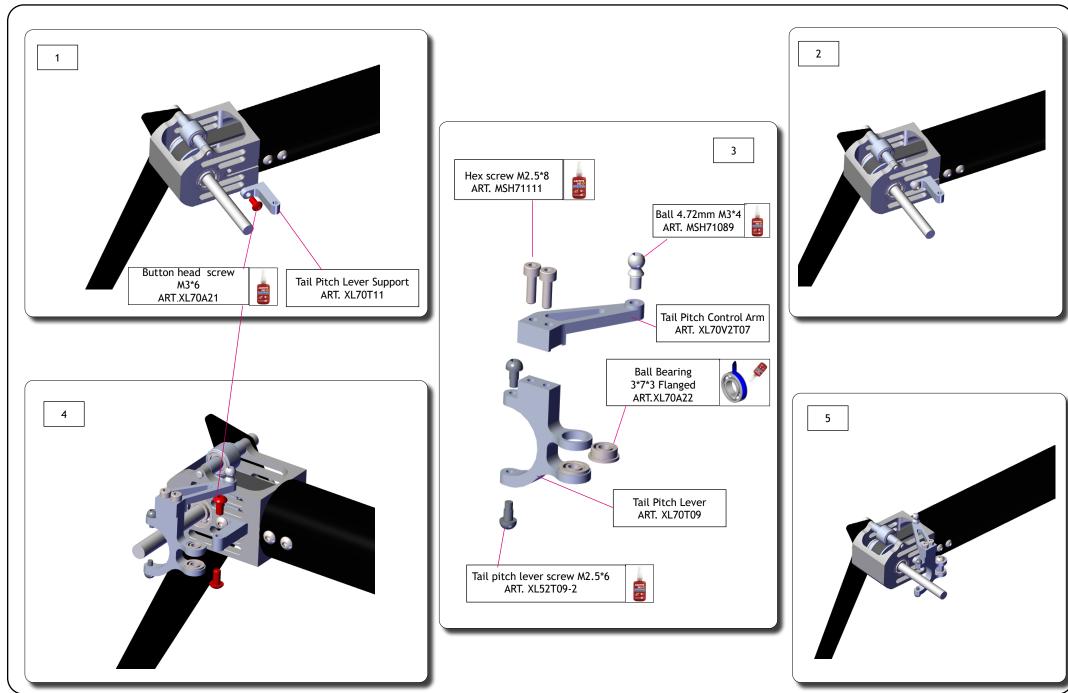






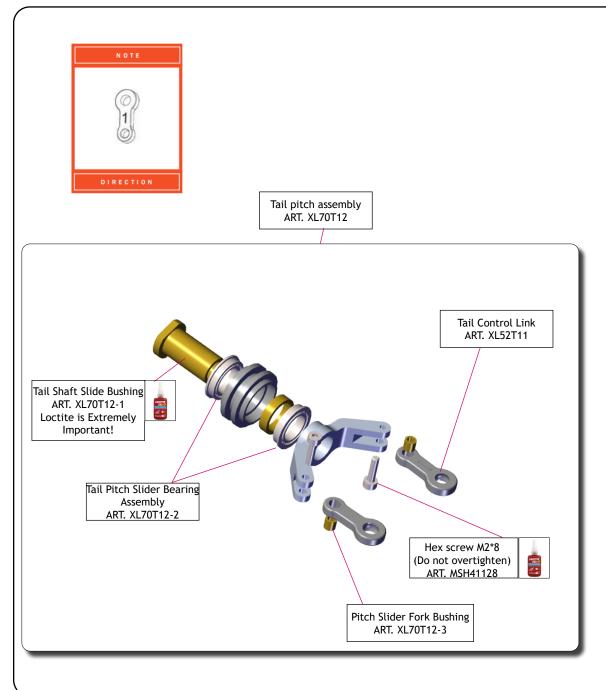


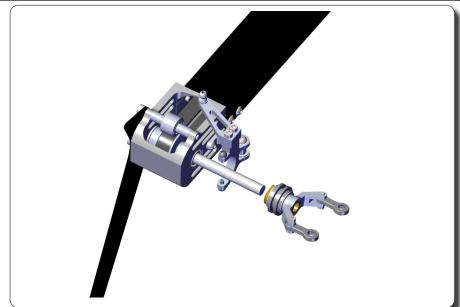


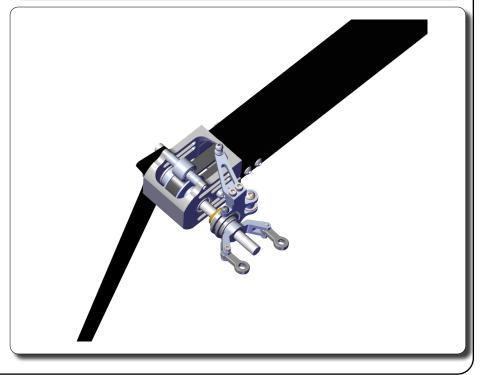


TB-1-5+TB-1-7



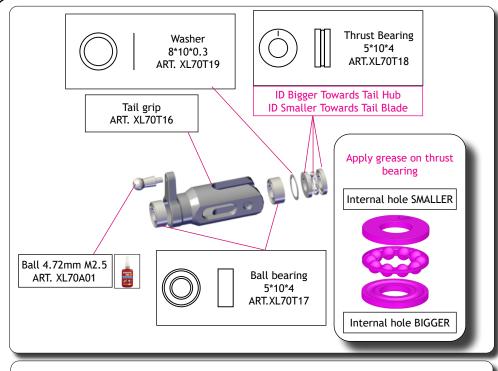


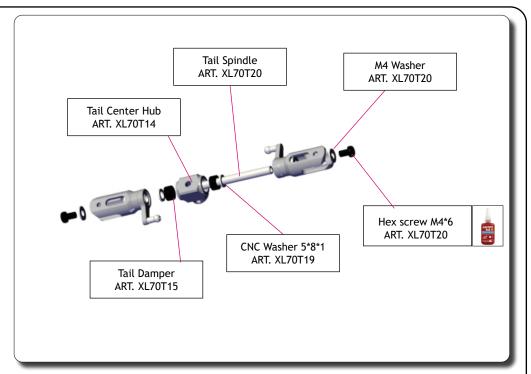


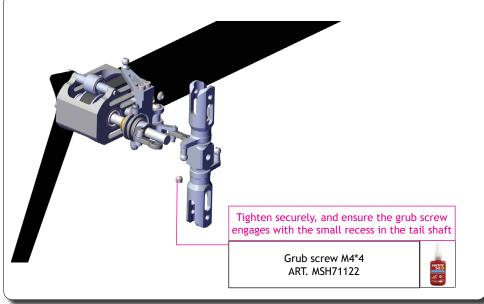


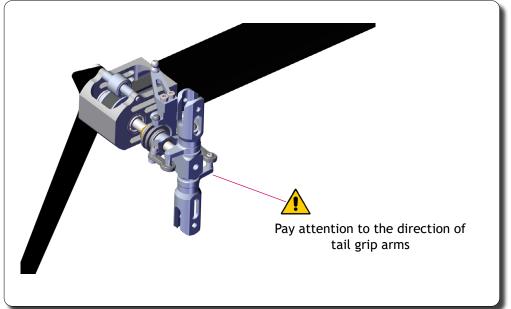
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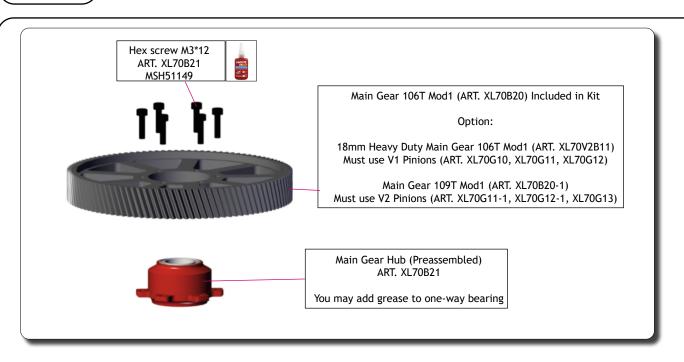




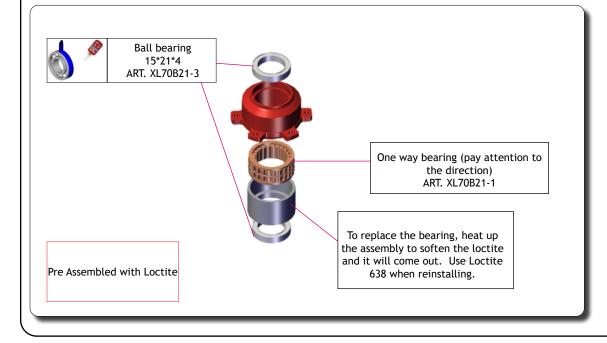


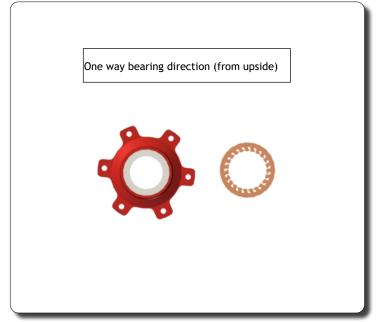




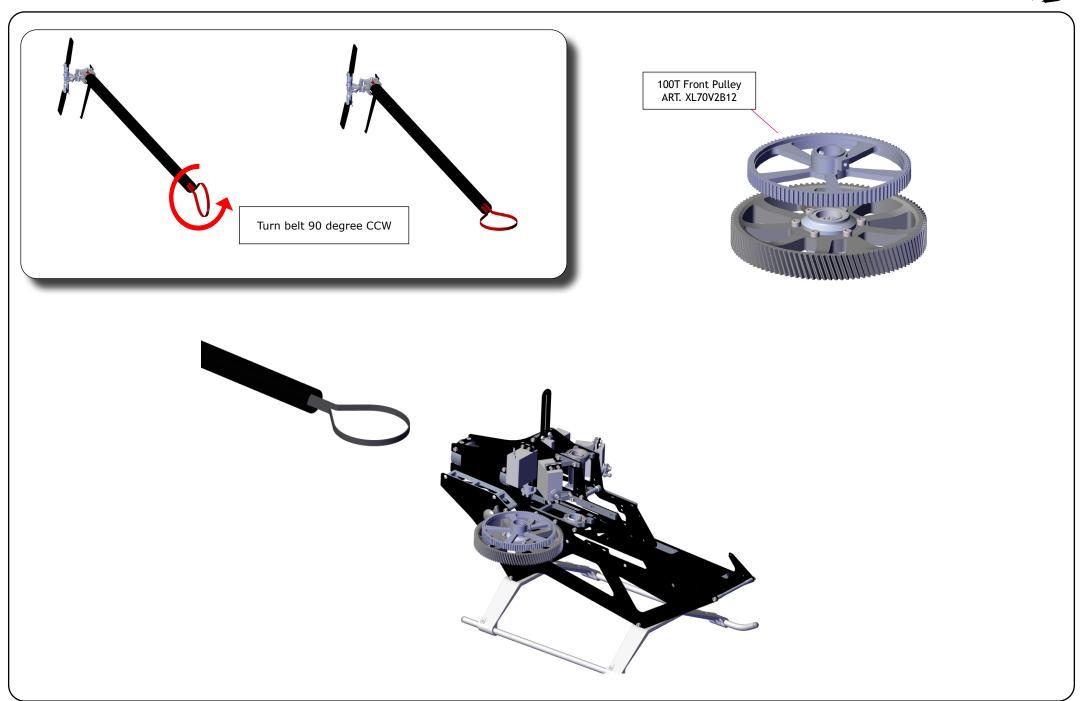






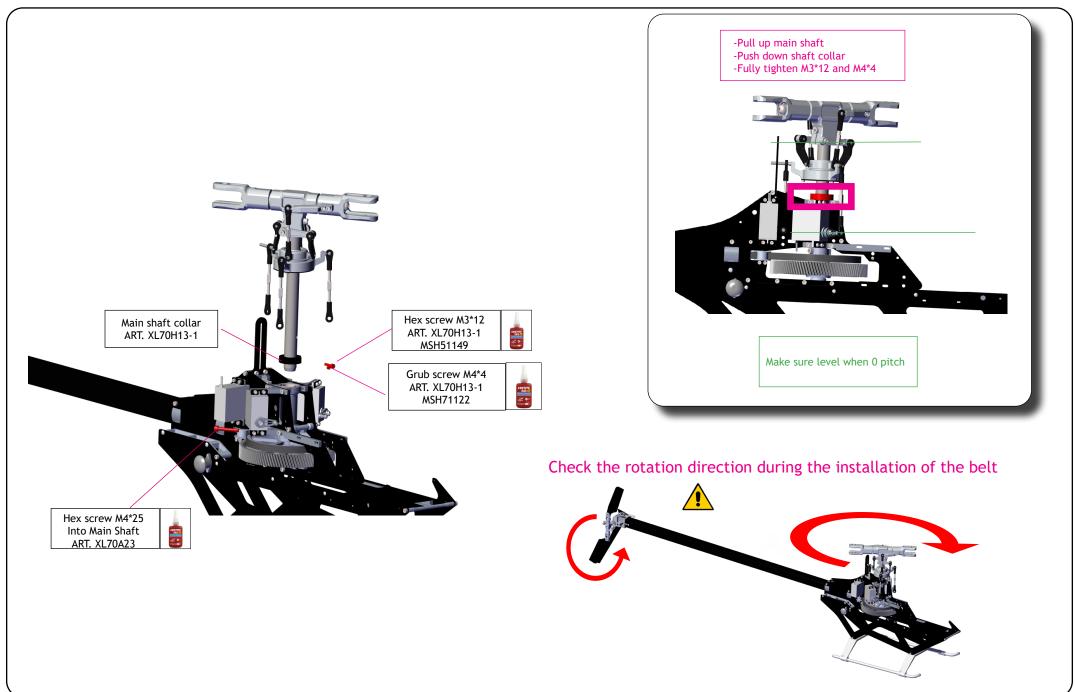




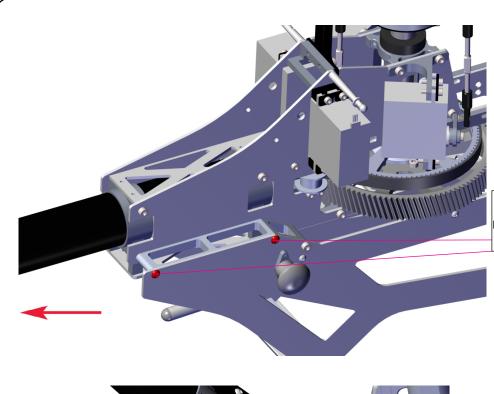


HB-2





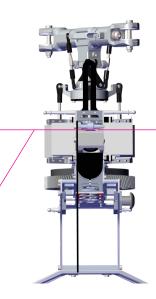




Button head screw M3x45
Set belt tension by pulling backwards on the tail boom. Ensure tail tail case is level, then tighten screws.

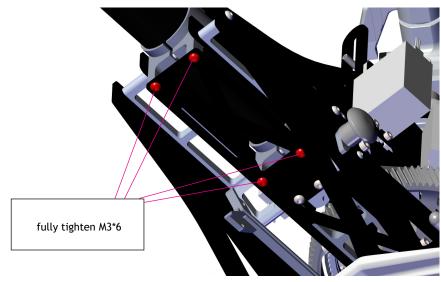


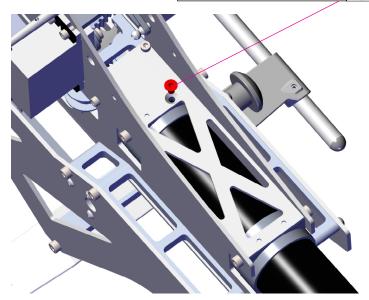
Check tail box lever before fully tightening M3*45 screw



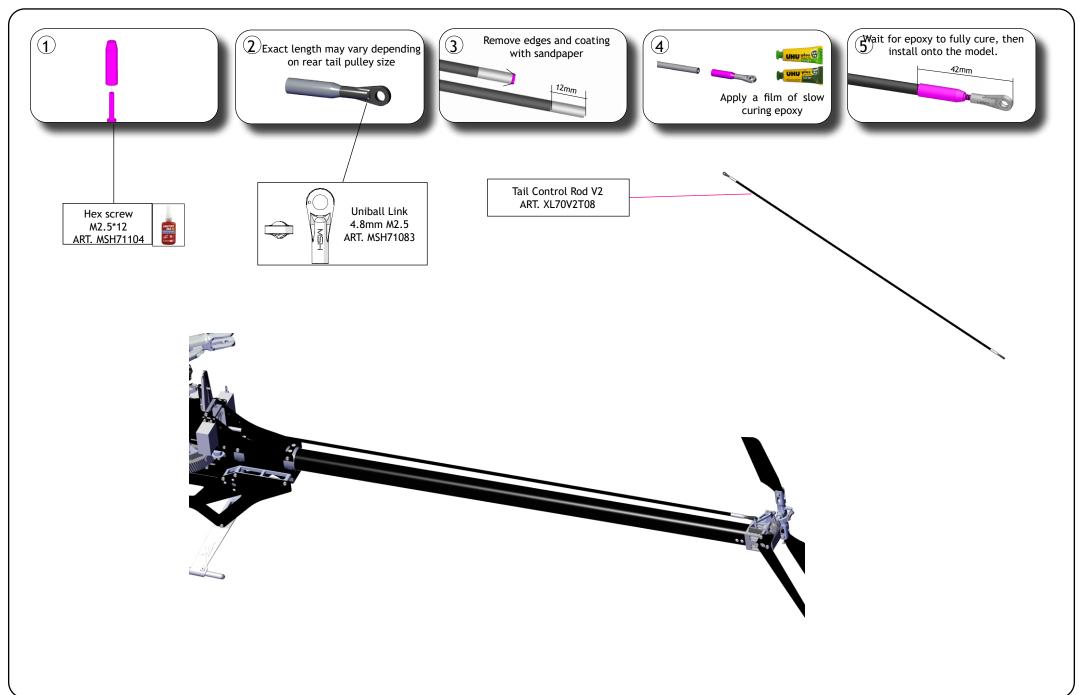
Silver Flat screw M3*6 Goes Through Wall of Tail Boom ART. XL70A25-1



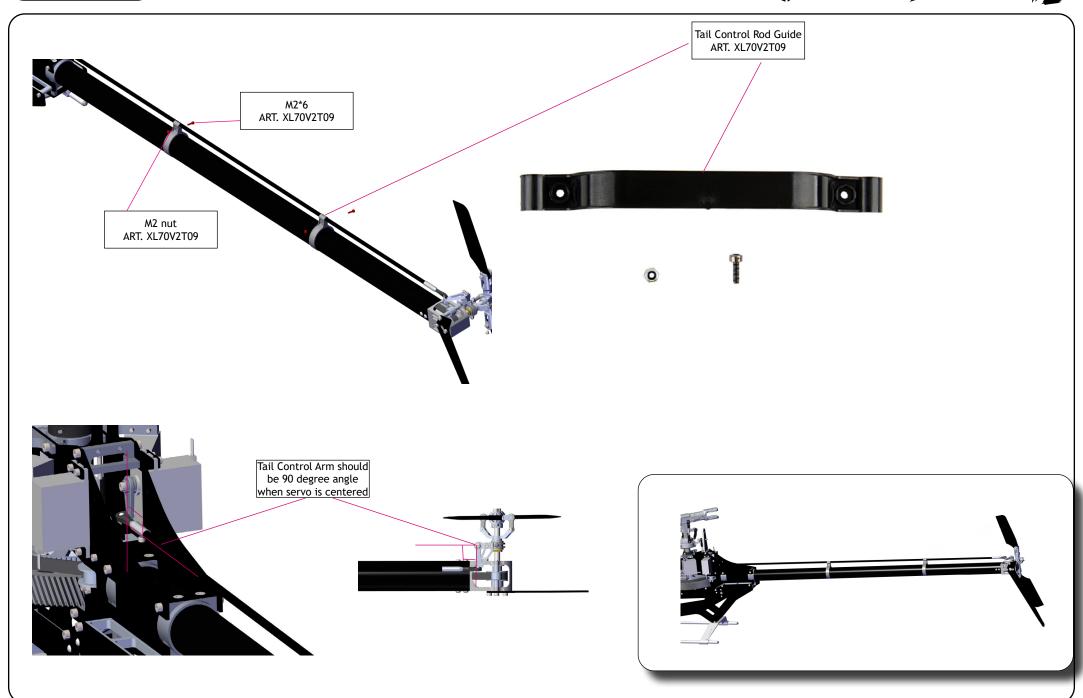








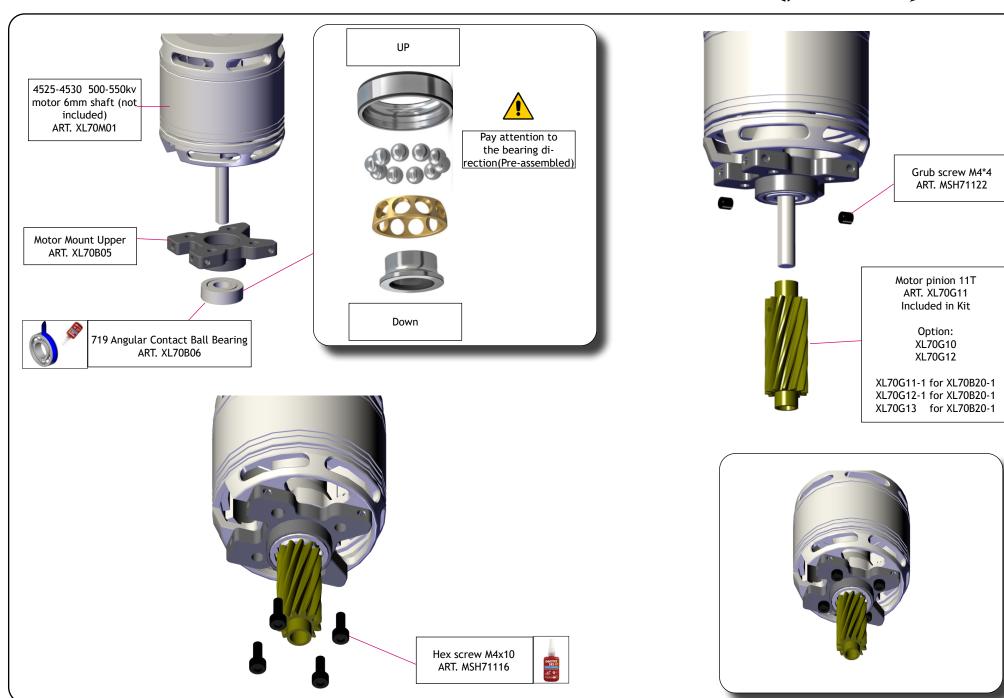




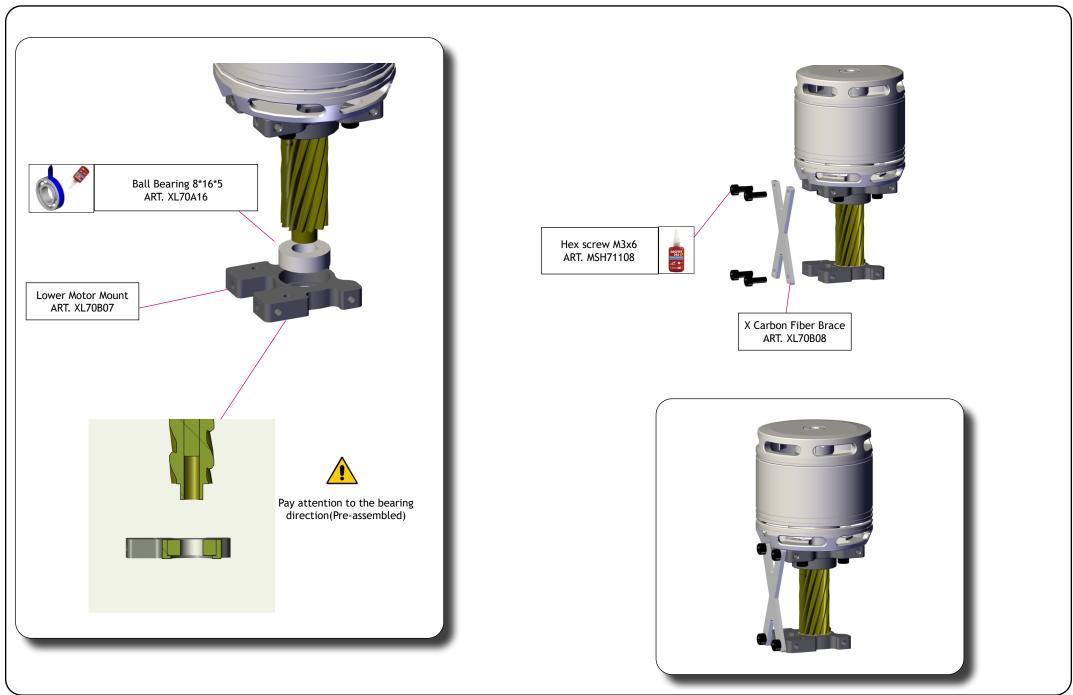
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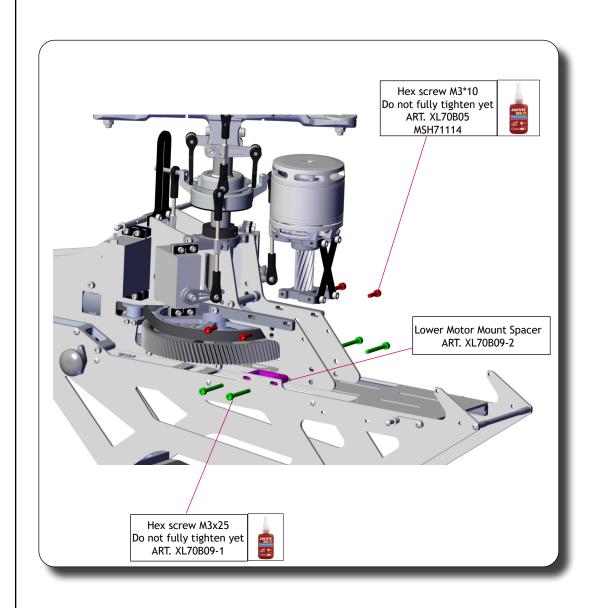
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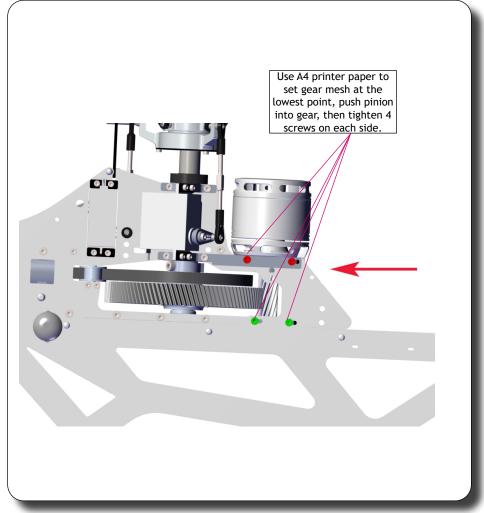




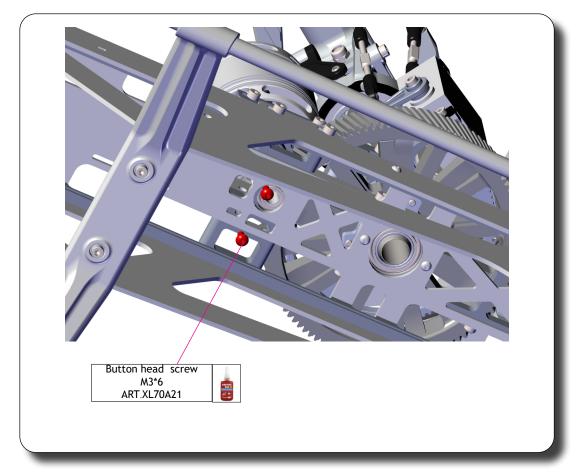


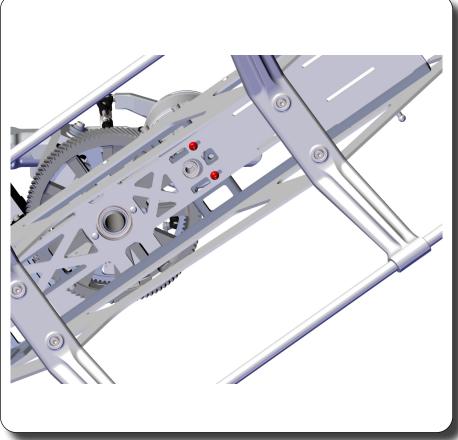




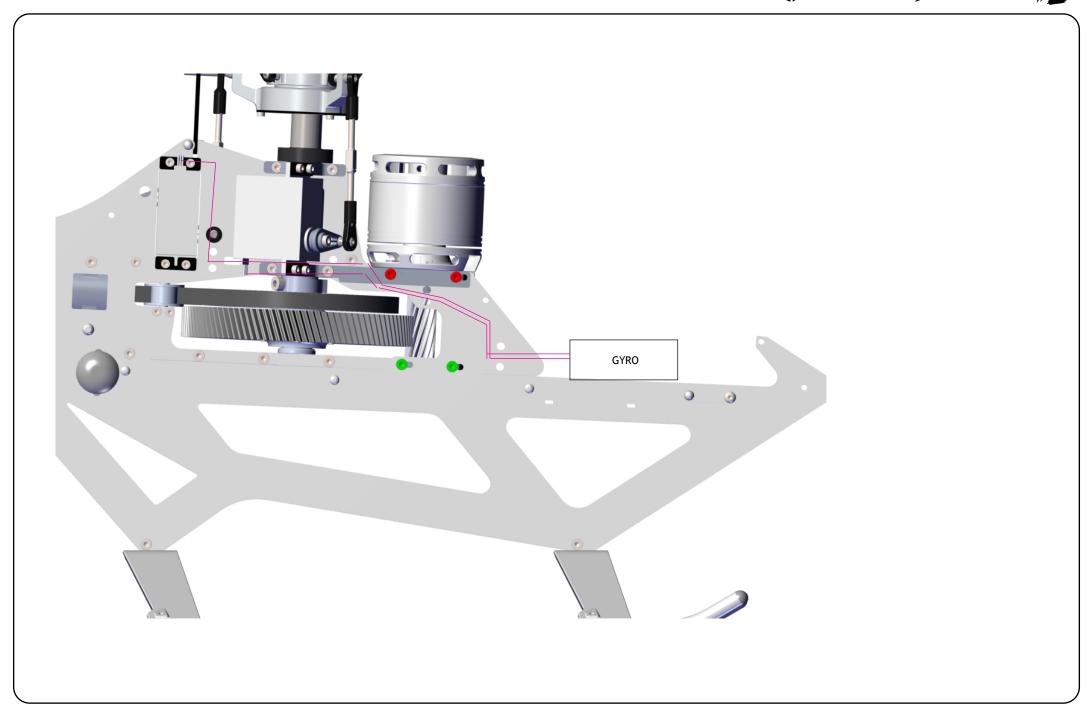




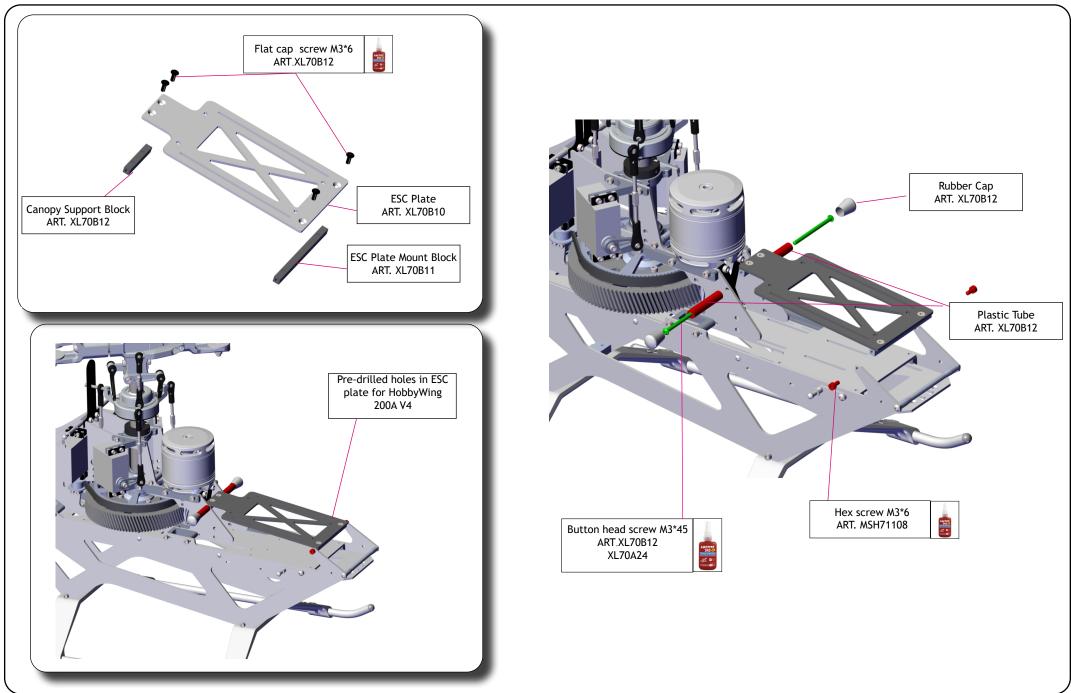




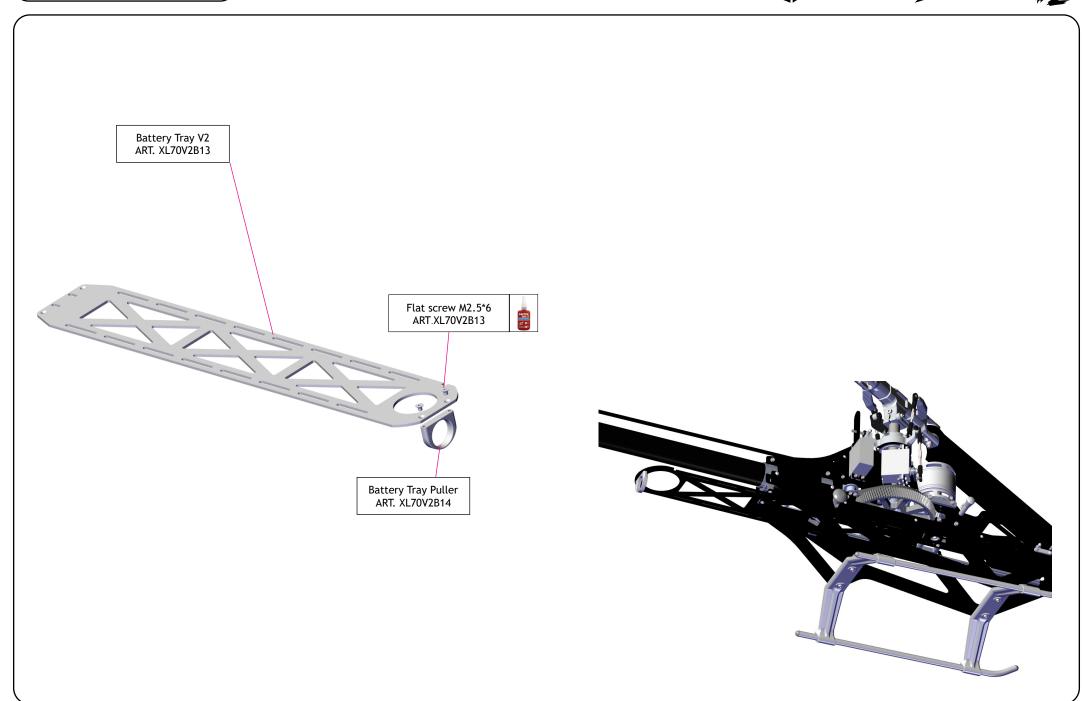






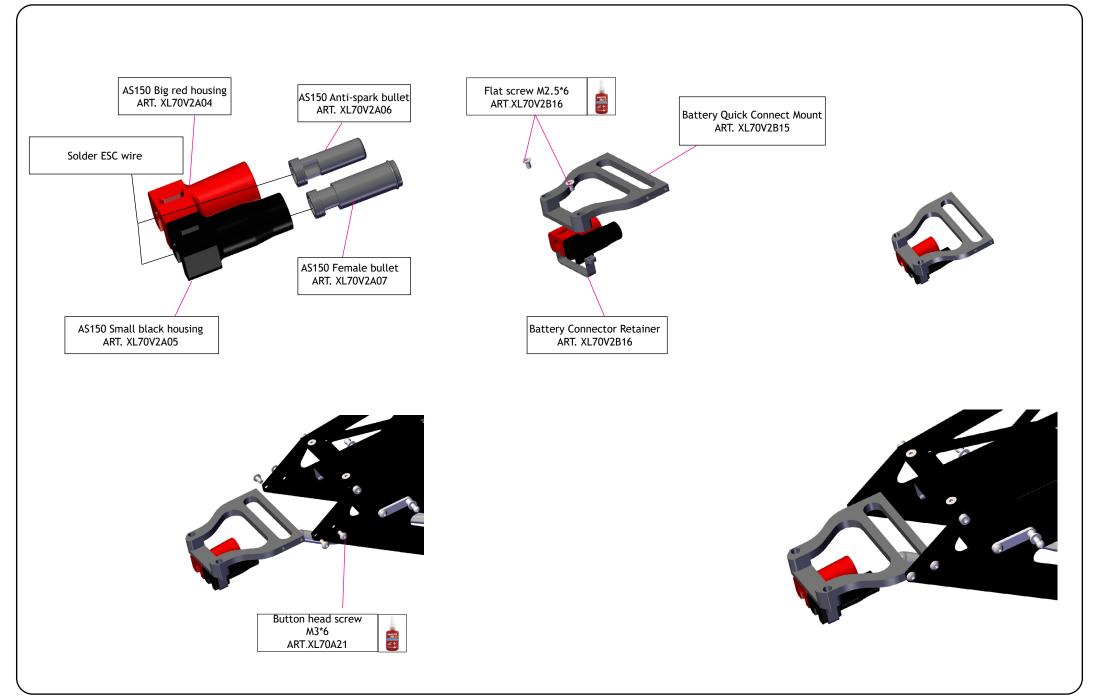




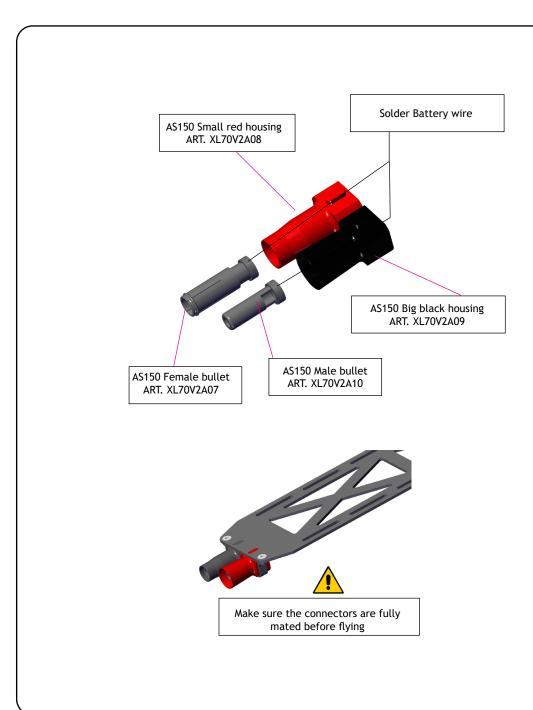


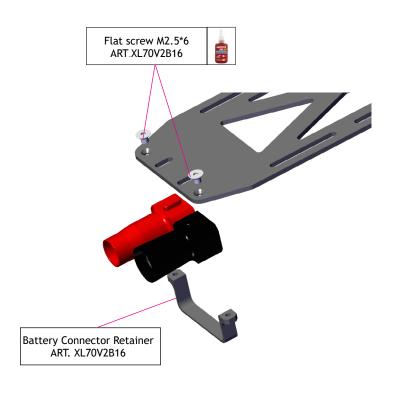
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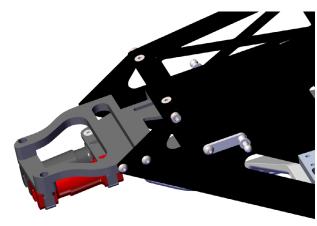




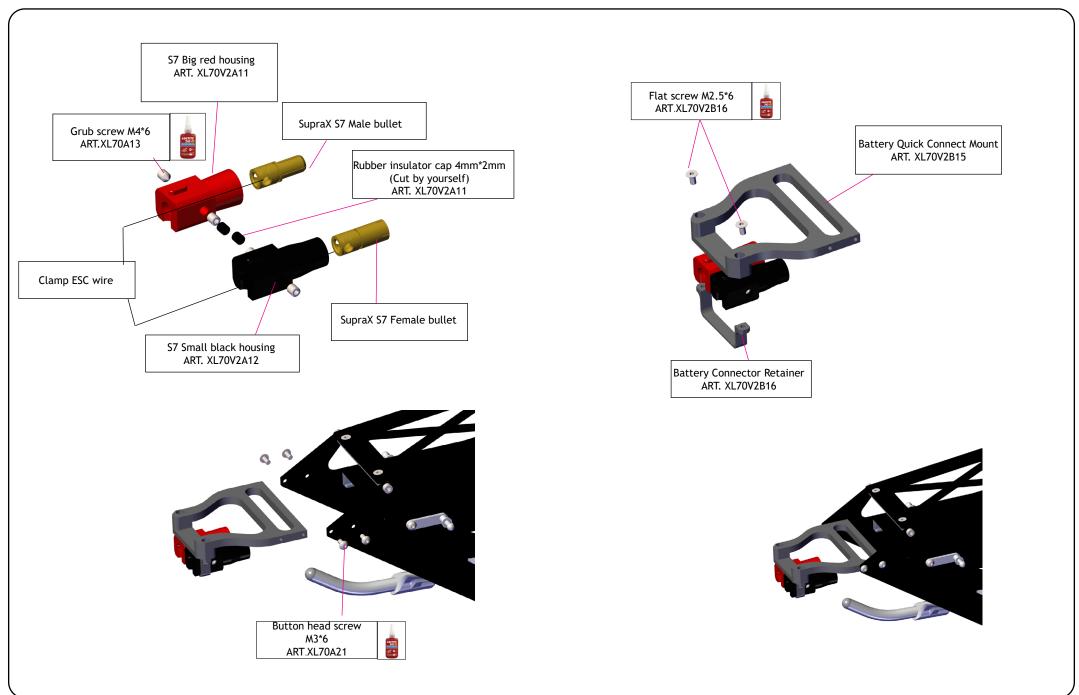




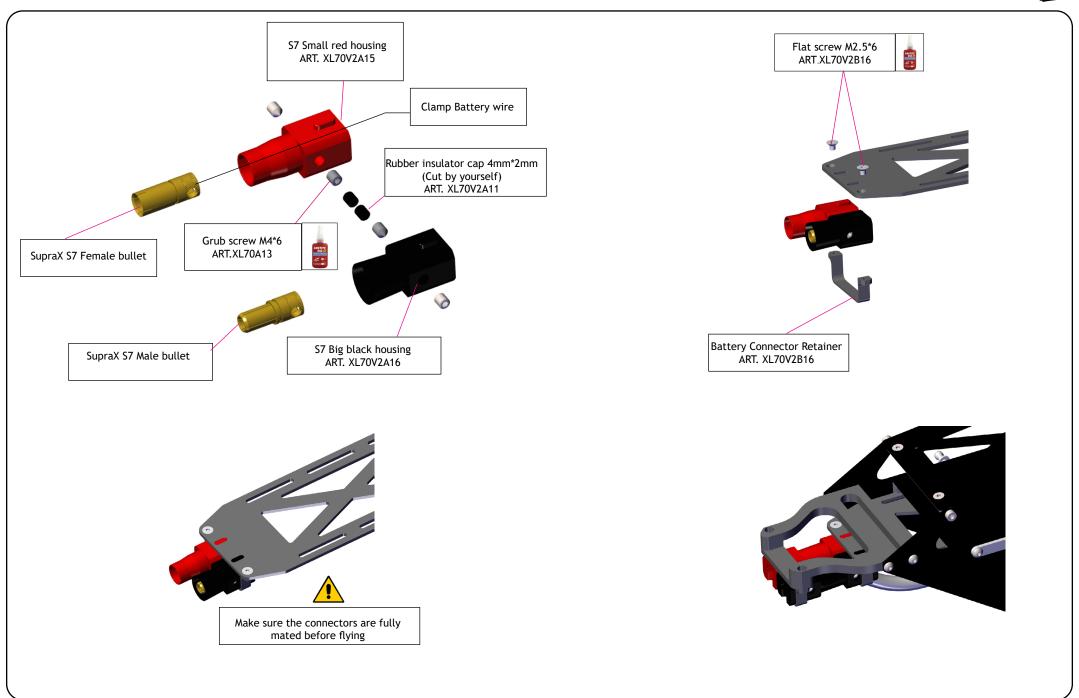














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