

Main rotor diameter	864mm (380mm blades)
Tail rotor diameter	181mm (67mm tail blades)
Length without main blades	800mm
Length with main blades	1003mm (380mm blades)
Overall height	235mm
Tail rotor-Main rotor ratio	4,27 (4.43 optional)
Main pulley	120T
Autorotation pulley	
Tail pulley	

Always check on www.xlpower-rc.com for a more recent version of this manual

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4	tools required for assembly
5	R/C equipment required to complete
6	how to read this manual
7	motor pinion teeth choice
8-25	main frame assembly
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49	ESC, BEC
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51-56	Metal Tail upgrade (optional)
57	Alu main blade holder set (optional)
58	Metal Tail blade holder upgrade(optional)

Always follow these rules for safety



Operate the helicopter in open areas with no people nearby.

Do NOT operate the helicopter in the following places and situations (or else you risk severe accidents):

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

If you do not observe these instructions you may be held liable for personal injury or property damage!

Always check the R/C system prior to operating your helicopter.

When the R/C system batteries get weaker, the operational range of the R/C system decreases.

Note that you may lose control of your model when operating it under such conditions.

Keep in mind that other people around you might also be operating a R/C model.

Never use a frequency which someone else is using at the same time.

Radio signals will be mixed and you will lose control of your model.

If the model shows irregular behavior, bring the model to a halt immediately and disconnect the batteries. Investigate the reason and fix the problem.

Do not operate the model again as long as the problem is not solved, as this may lead to further trouble and unforeseen accidents.

In order to prevent accidents and personal injury, be sure to observe the following:

Before flying the helicopter, ensure that all screws are tightened.

A single loose screw may cause a major accident.

Replace all broken or defective parts with new ones, as damaged parts lead to crashes.

Never approach a spinning rotor. Keep at least 10 meters/yards away from a spinning rotor blades.

Do not touch the motor immediately after use. It may be hot enough to cause burns.

Perform all necessary maintenance.

PRIOR TO ADJUSTING AND OPERATING YOUR MODEL, OBSERVE THE FOLLOWING

Operate the helicopter only outdoors and out of people's reach as the main rotor operates at high rpm!

While adjusting, stand at least 10 meters

Novice R/C helicopter pilots should always seek advice from experienced pilots to obtain hints with assembly and for pre-fight adjustments.

Note that a badly assembled or insuffciently adjusted helicopter is a safety hazard!

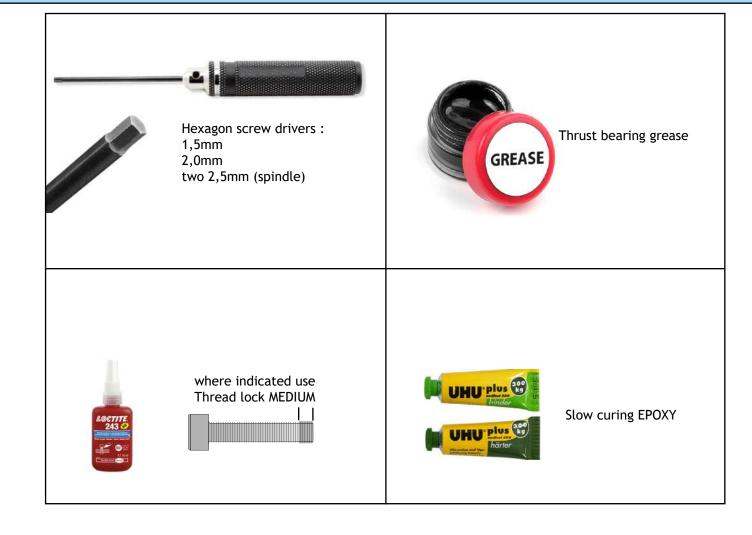
In the beginning, novice R/C helicopter pilots should always be assisted by an experienced pilot and never fly alone!

XLPOWER

Tools required for assembly







Tools required for assembly

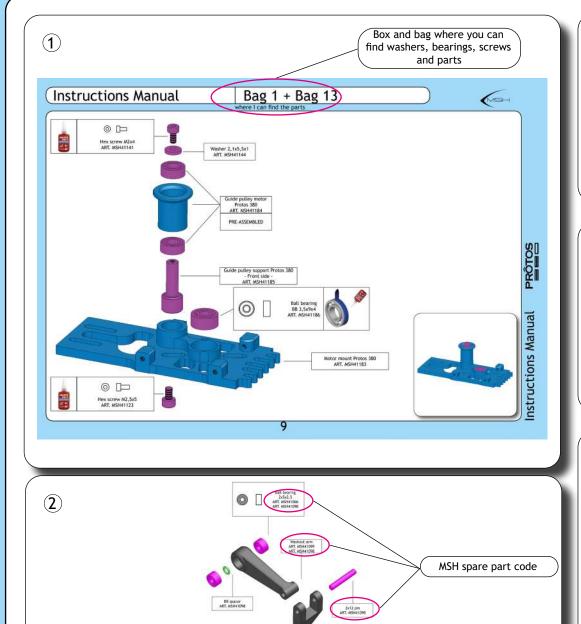


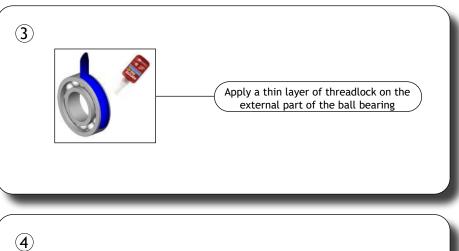
Swashplate servos supported: all micro servos (qnty. 3)	
Tail servo supported: all micro and mini servos (qnty. 1)	
Main blades: standard full carbon blades 380mm	

Battery pack: LiPo 6s 1800mAh	
Trasmitter Receiver/satellite Flybarless unit	
Motor:3215 motor or other 5mm shaft motor arround 1000kv ESC:50A or more	

How to read this manual

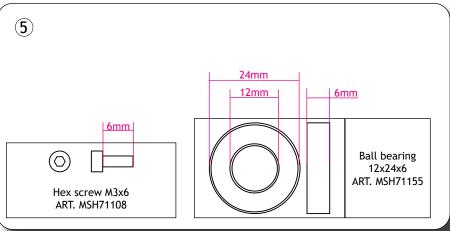






Pay attention to the instruction step

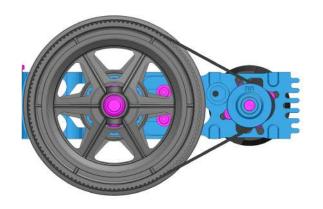
behind this icon



PRÔTOS ===

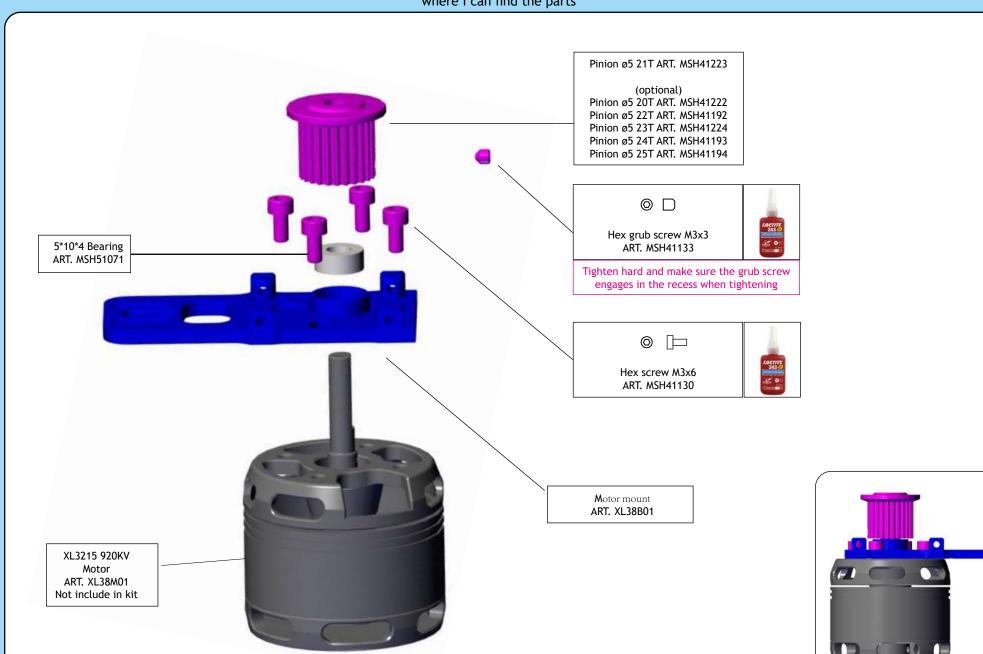
Motor pinion teeth choice



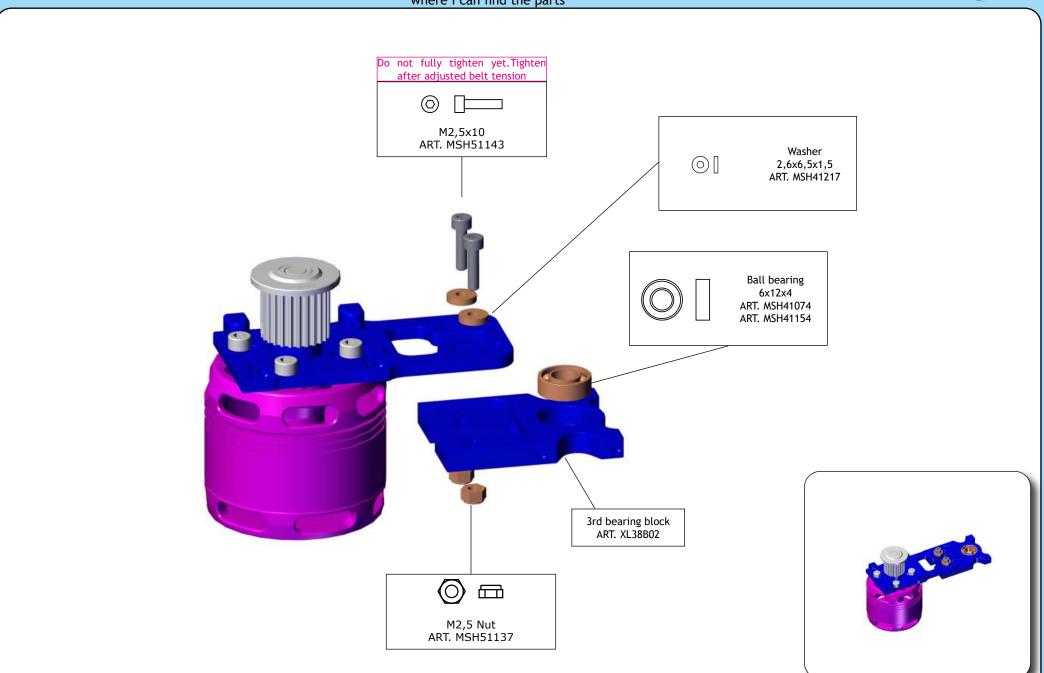


	Stock	Sport	Hard 3D	Extreme 3D
920 Kv ø 5mm	21T	20-22T	23-24T	25T

Bag 1

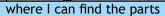


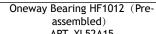
Bag 1



Bag 2







ART. XL52A15



Main pulley ART. MSH41146





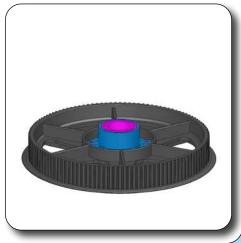


Hex screw M2x4 ART. MSH41141



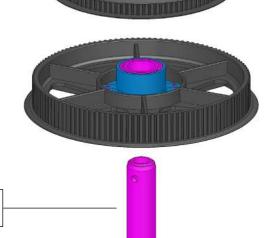
Ball bearing (Preassembled) 10x15x4

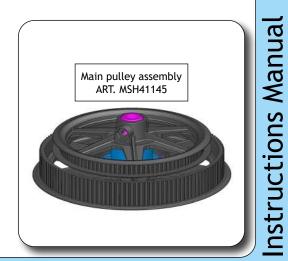




Autorotation pulley ART. MSH41147

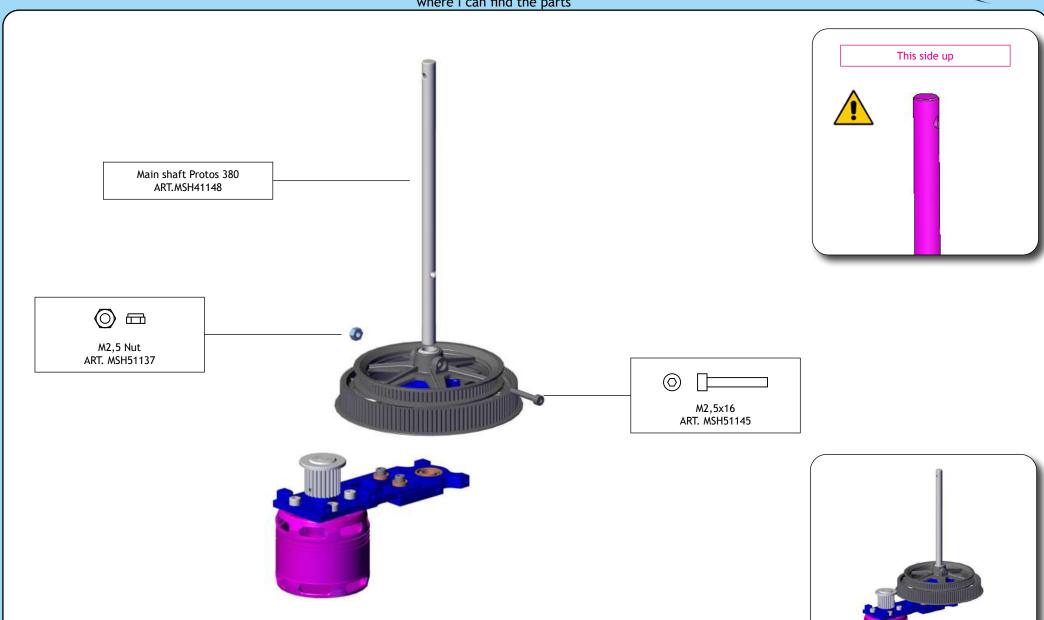
Oneway shaft ART. XL38B04



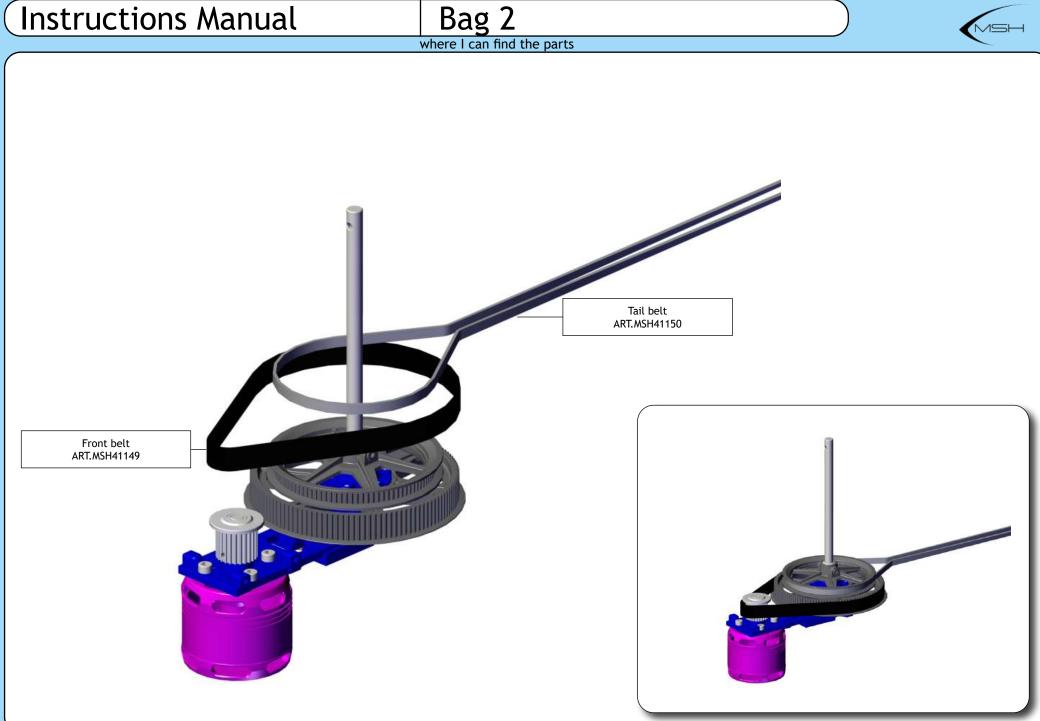


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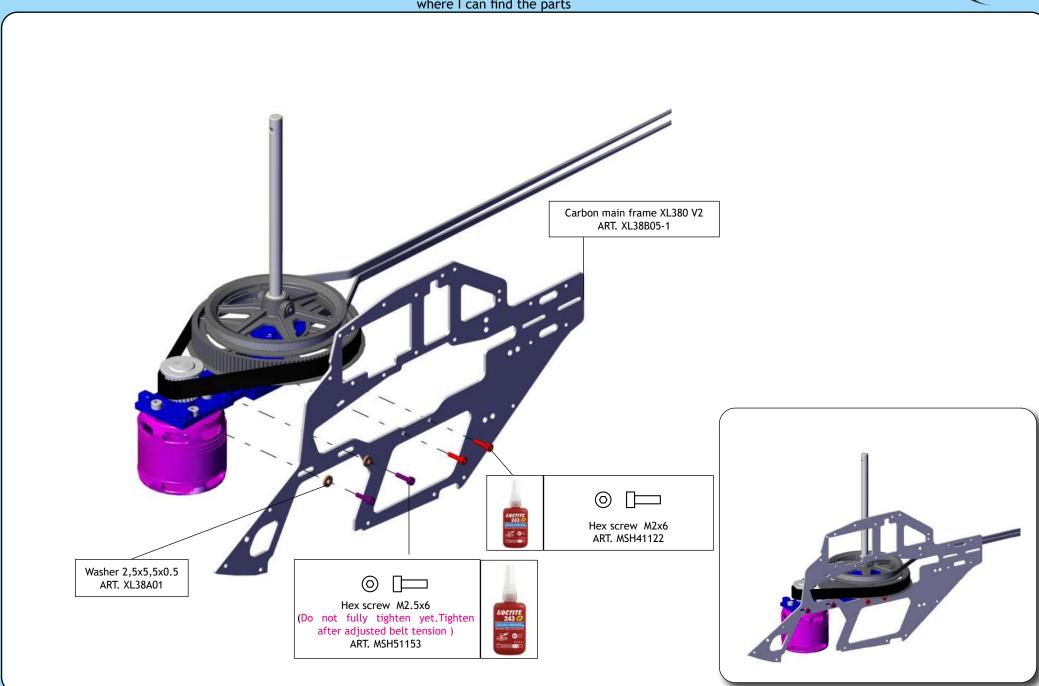




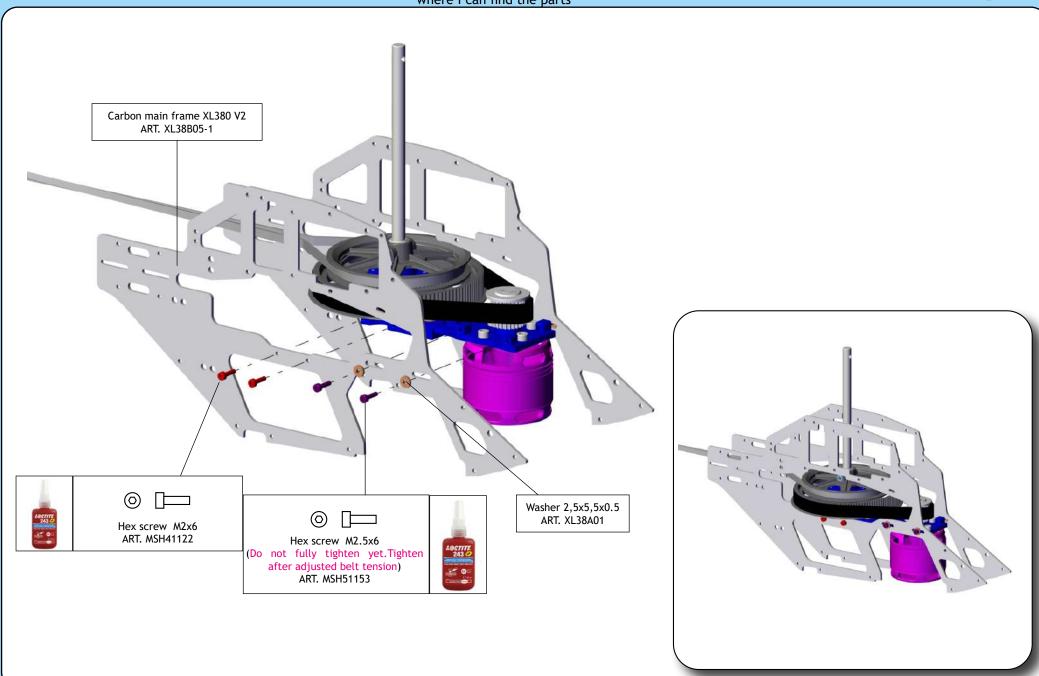




Bag 2 + Bag 3
where I can find the parts





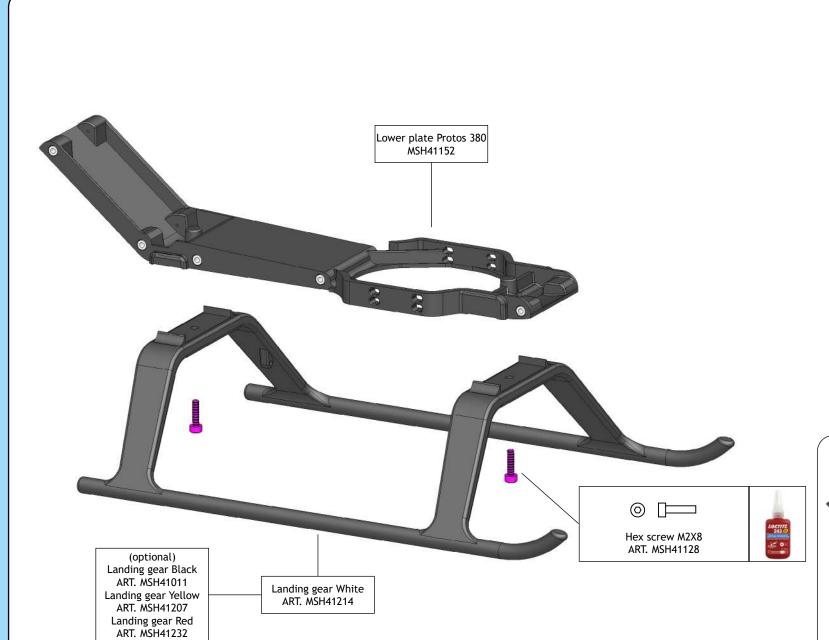


Bag 4

where I can find the parts





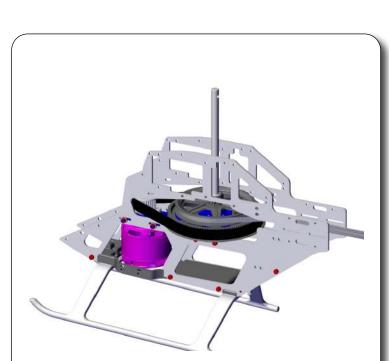


Hex screw M2x6 ART. MSH41122 Bag 4

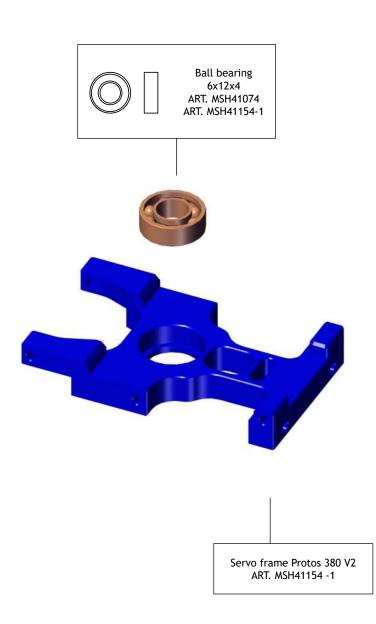
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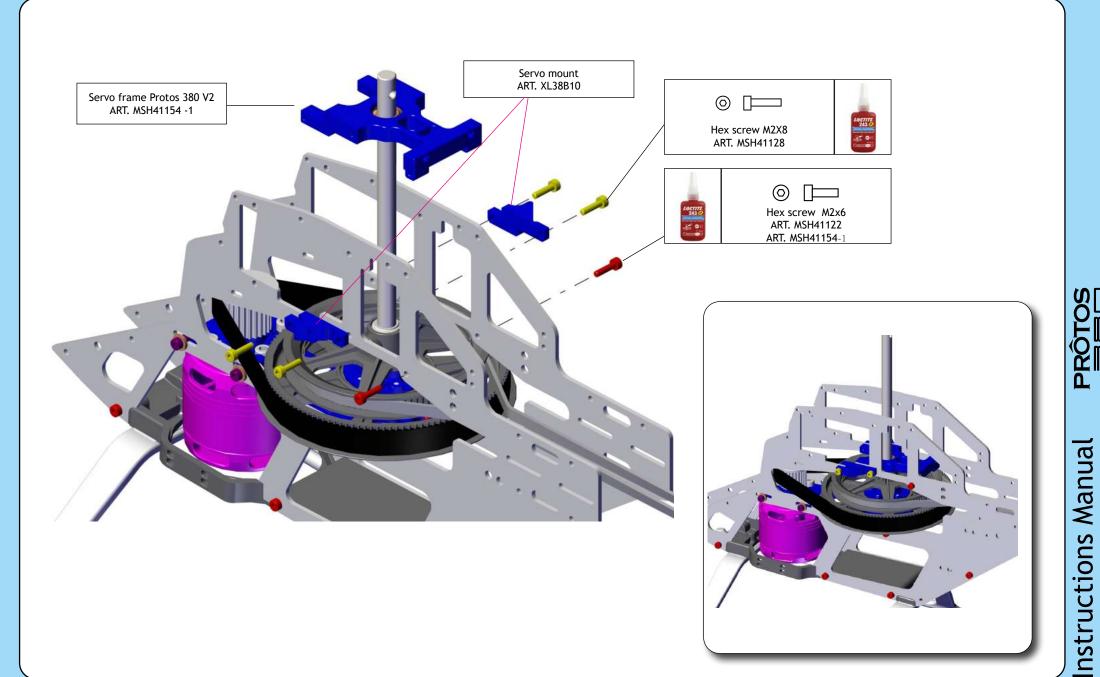




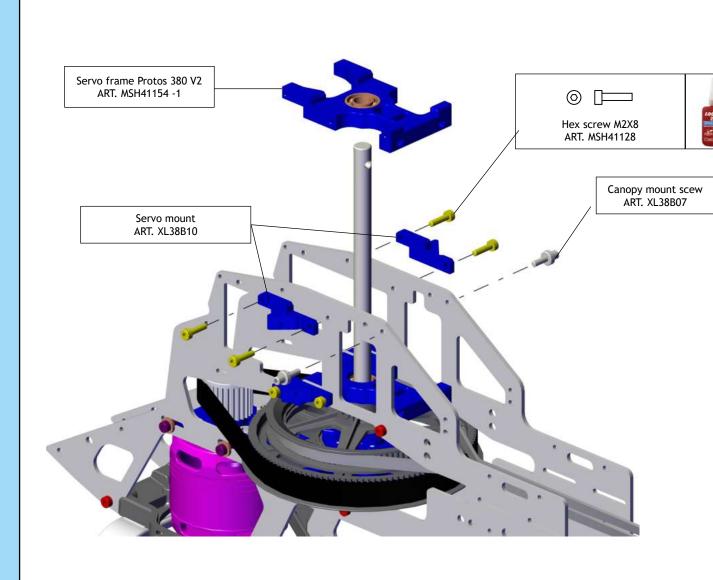


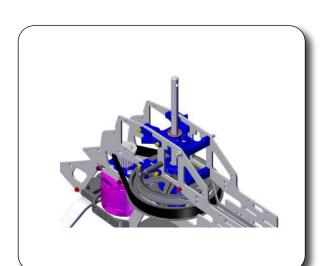










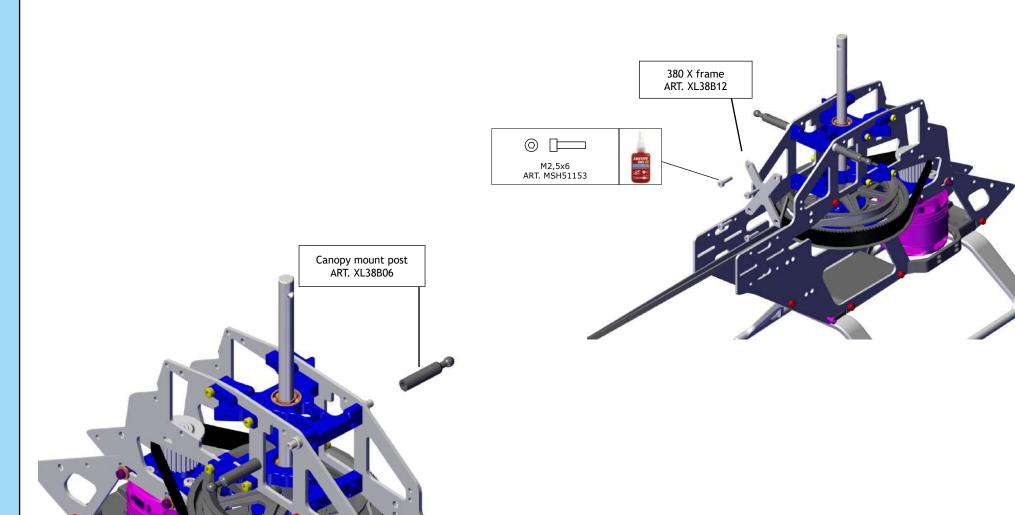


Bag 4

where I can find the parts

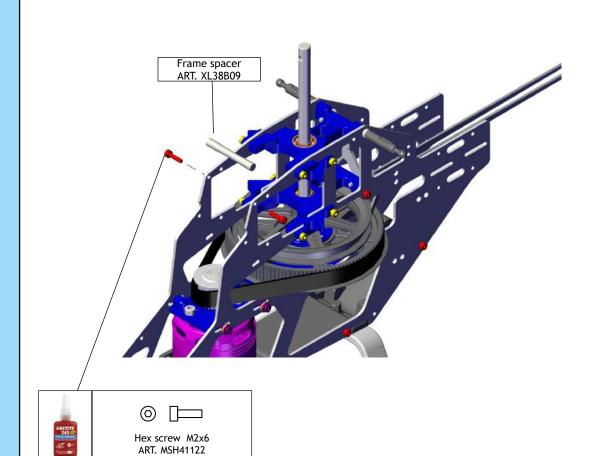


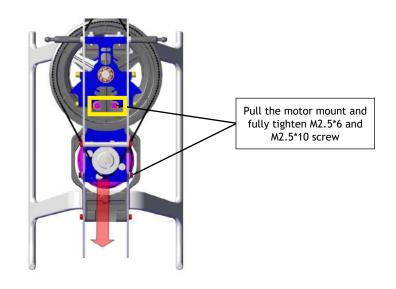


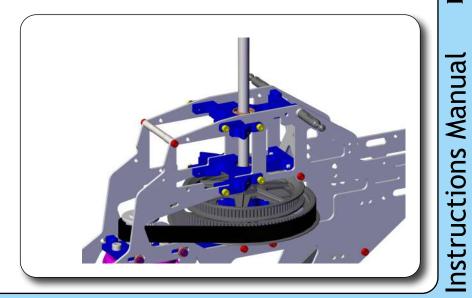


Bag 4

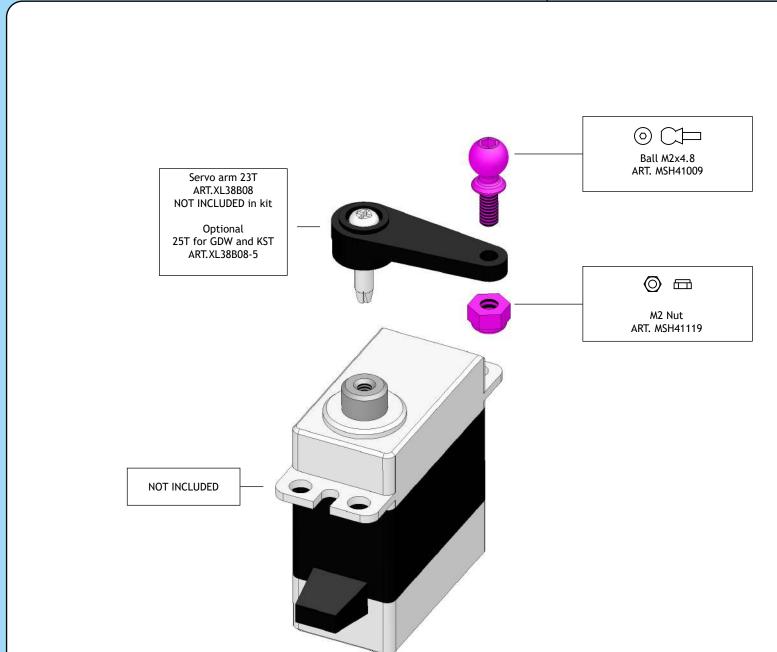


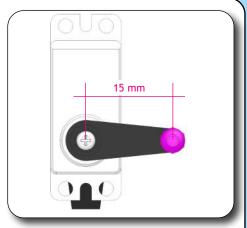


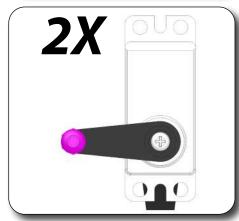


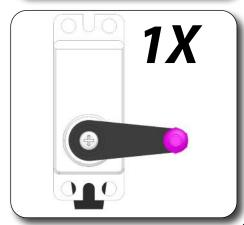


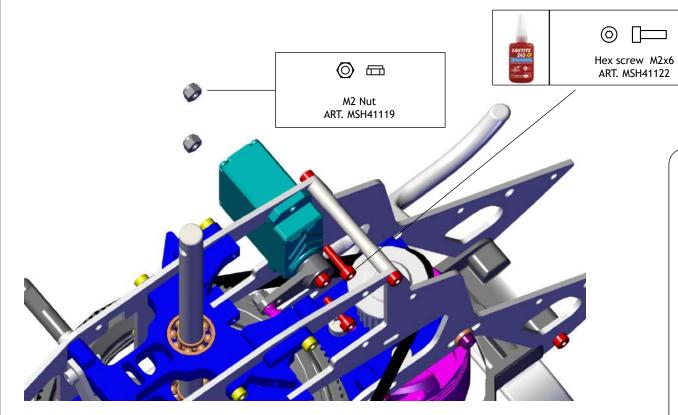


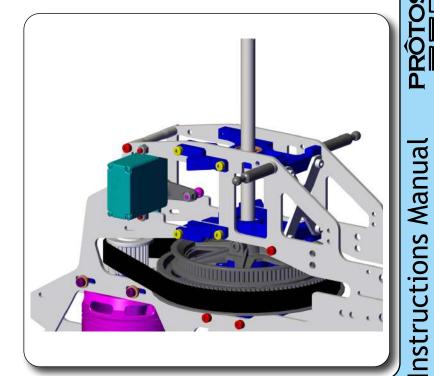


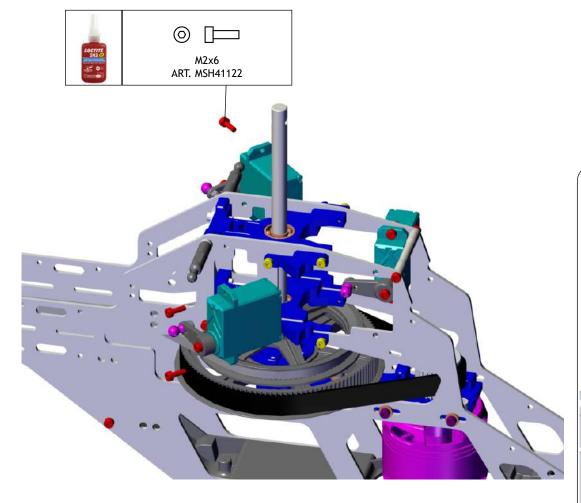


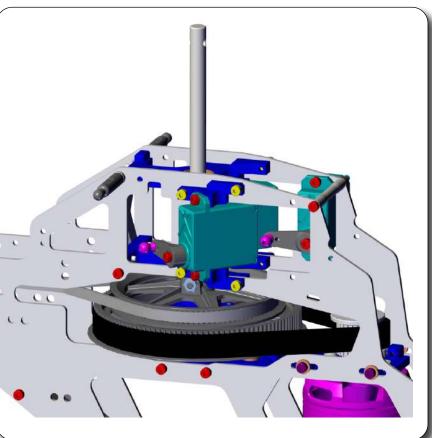


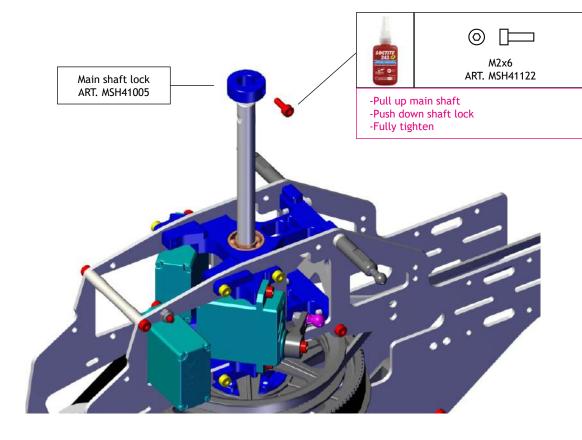


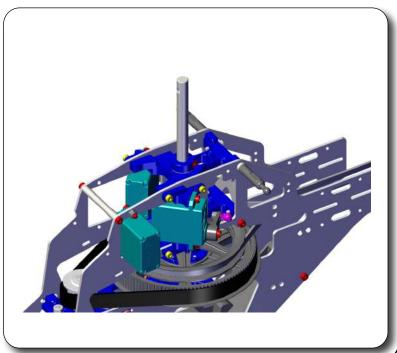




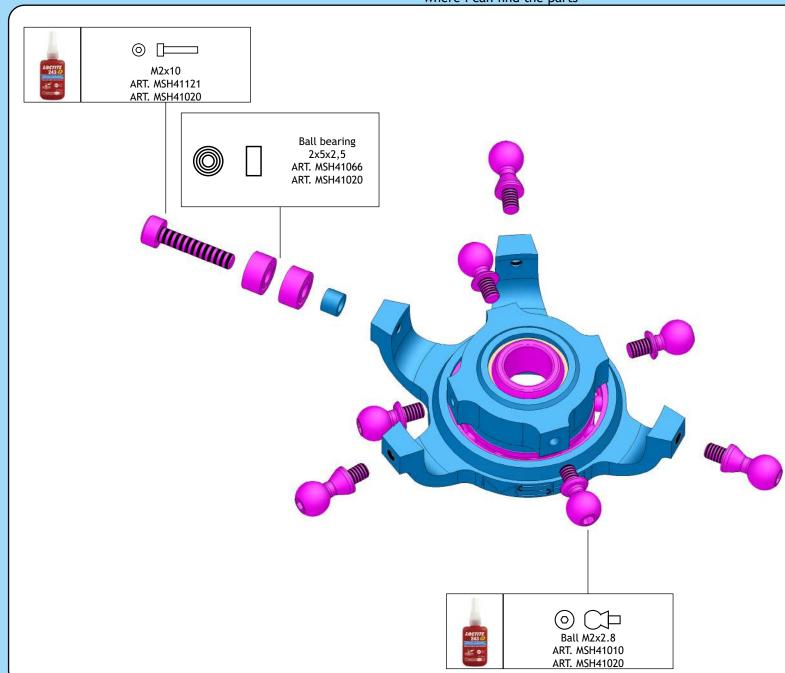


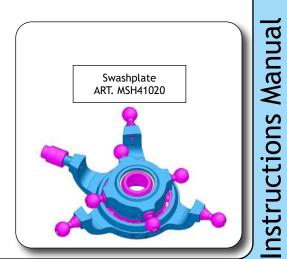


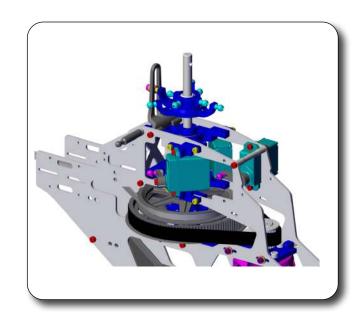




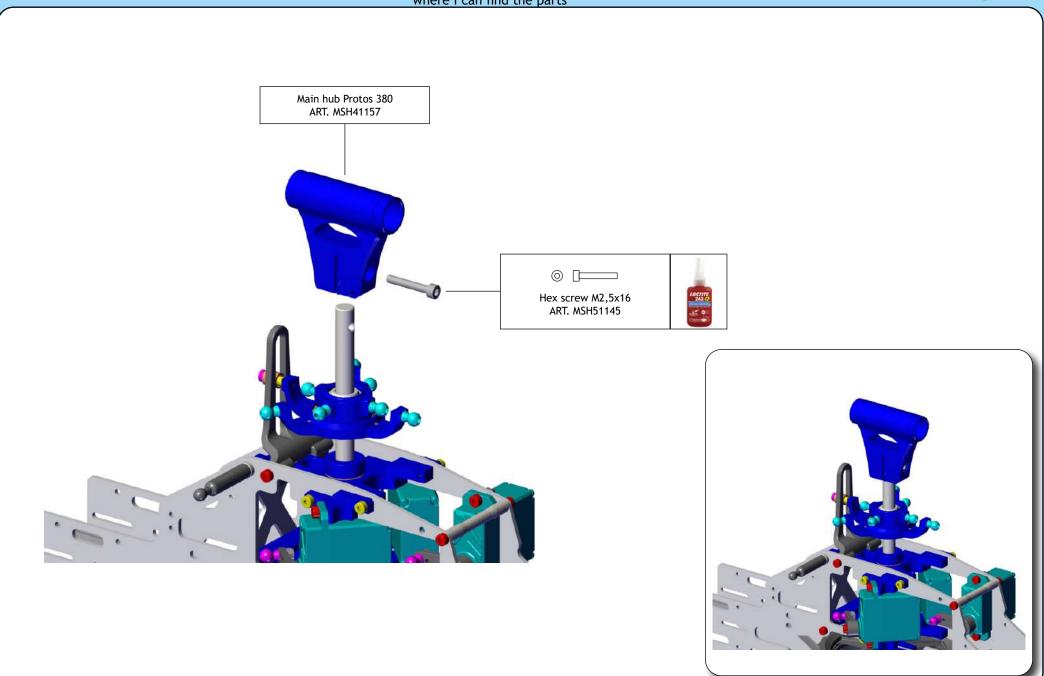


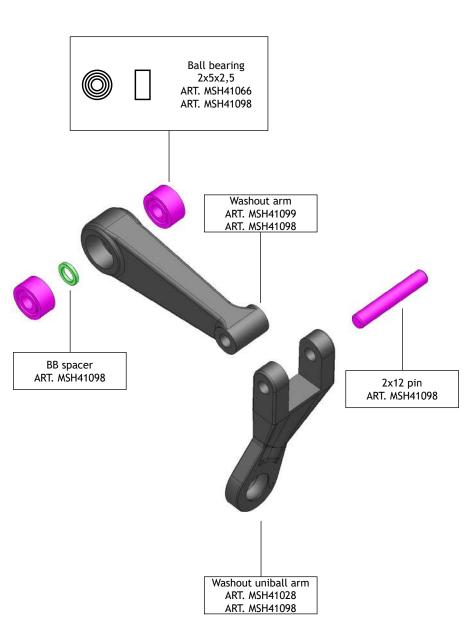


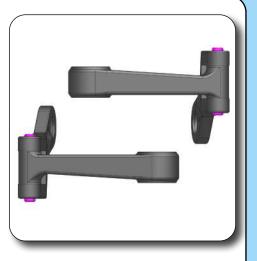


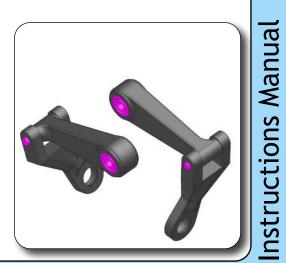




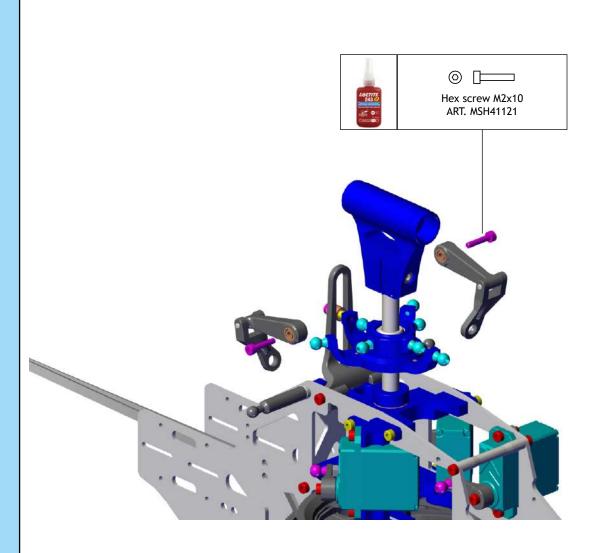








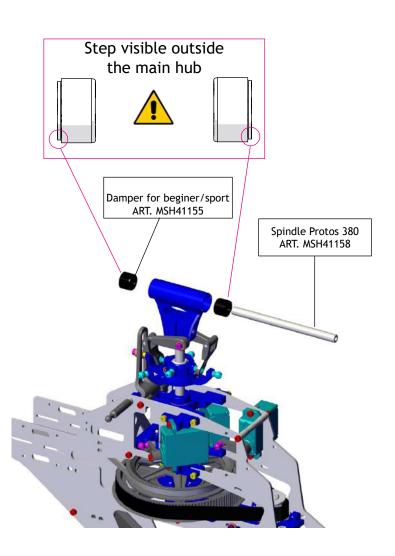


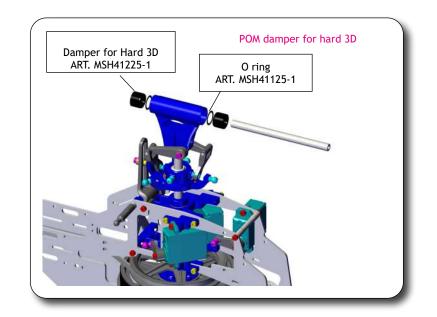


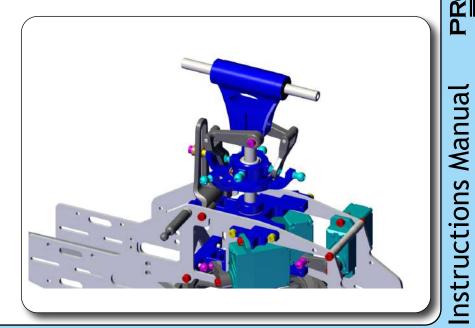


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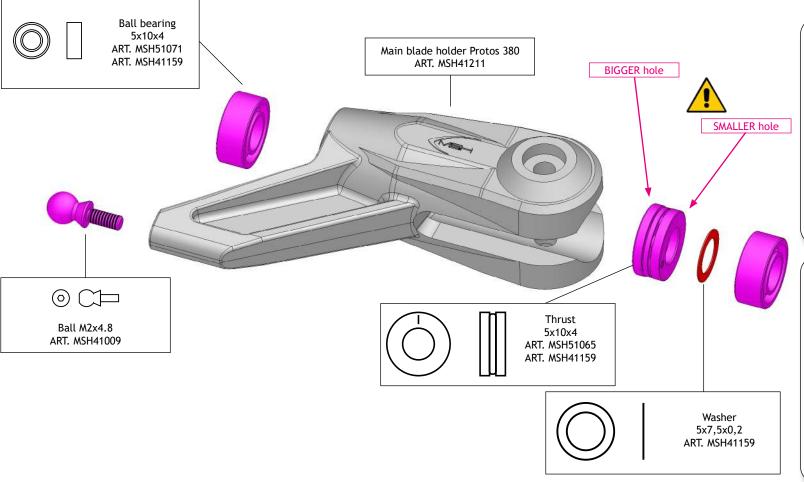


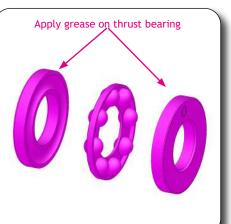


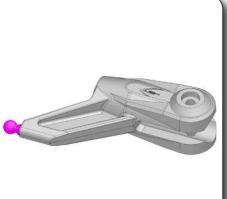




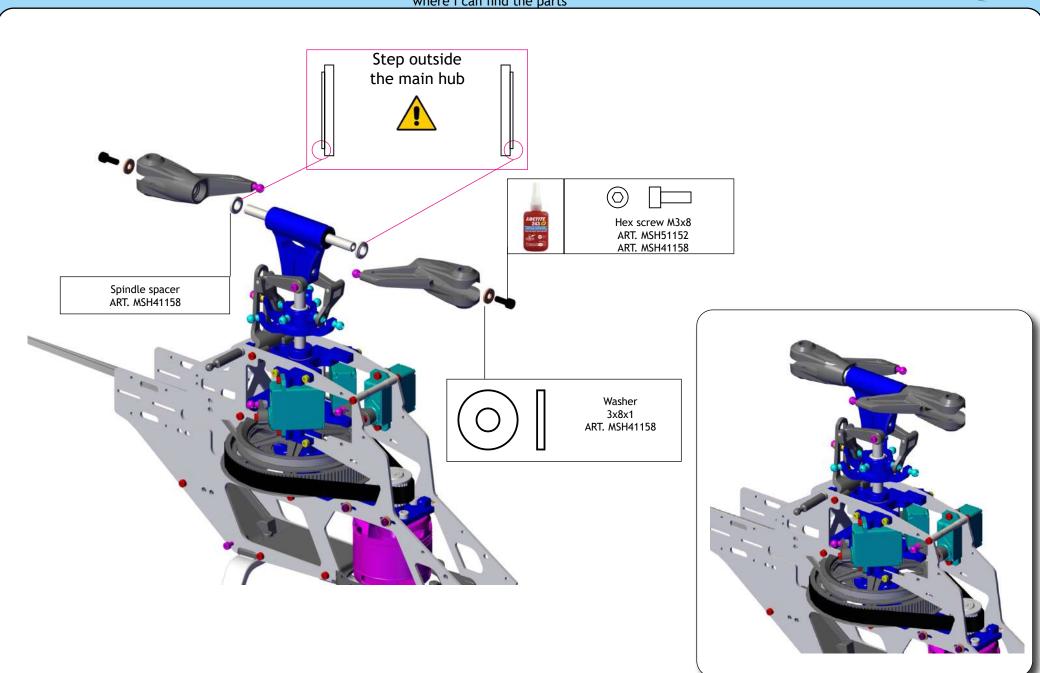
For Metal grip upgrade manual pls check page 57



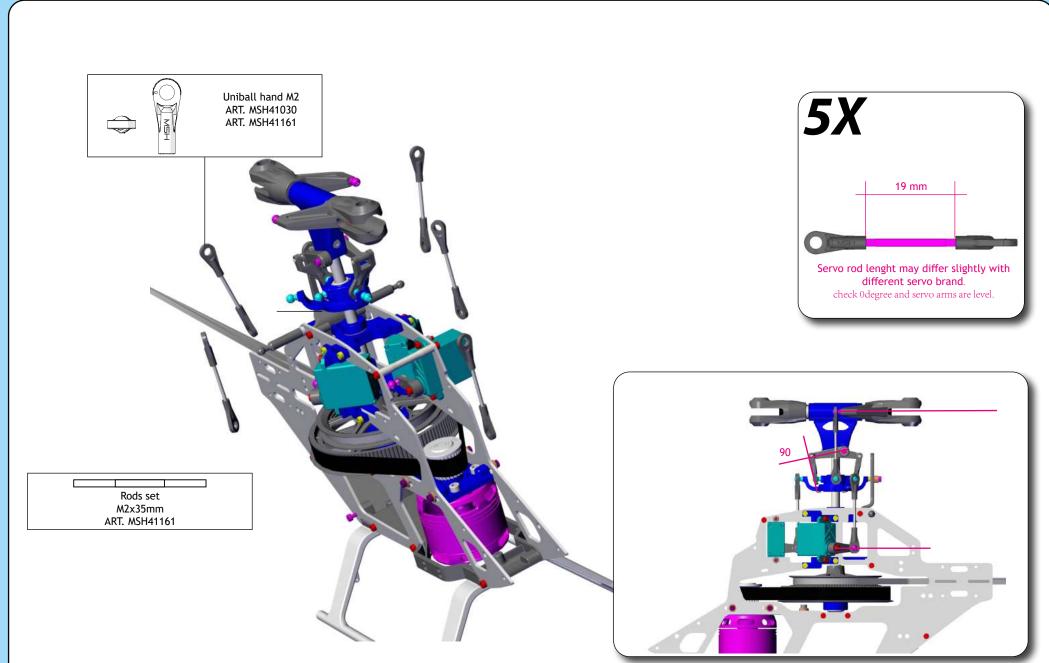




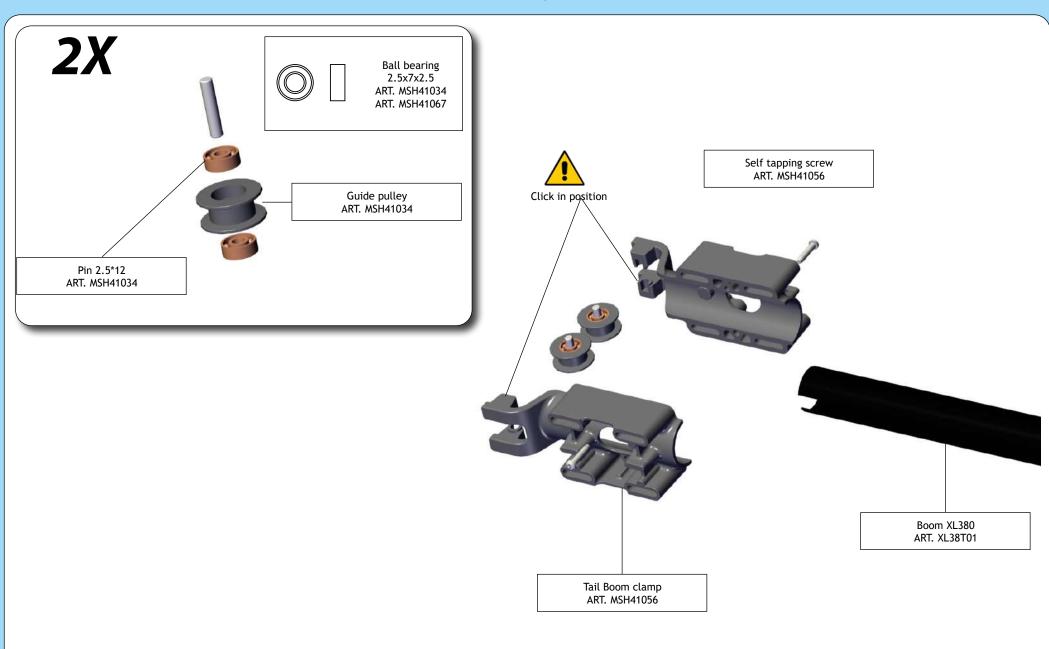






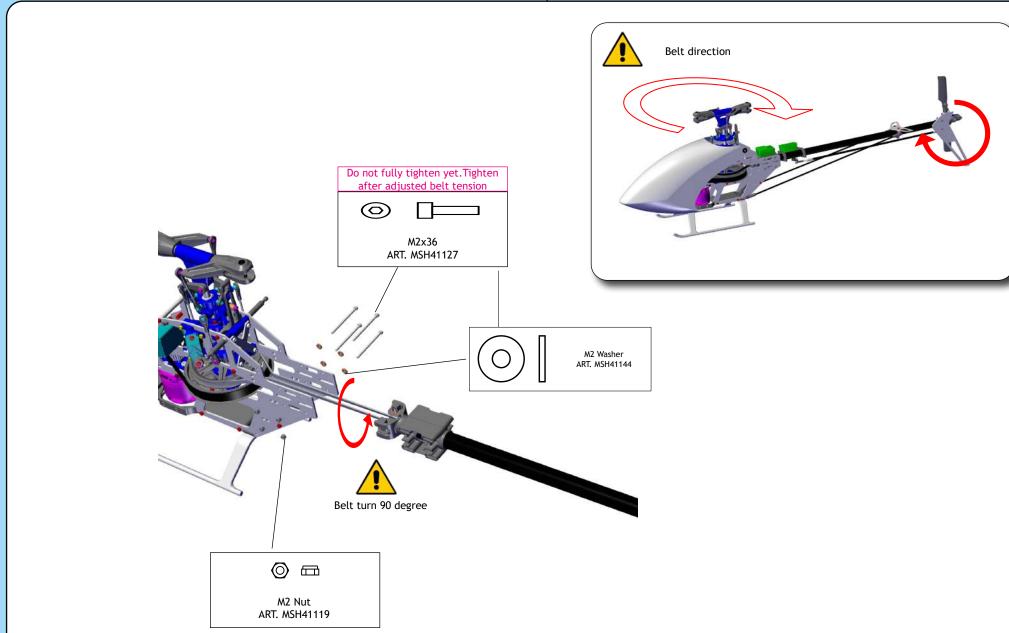


Bag 7+Bag 8 where I can find the parts

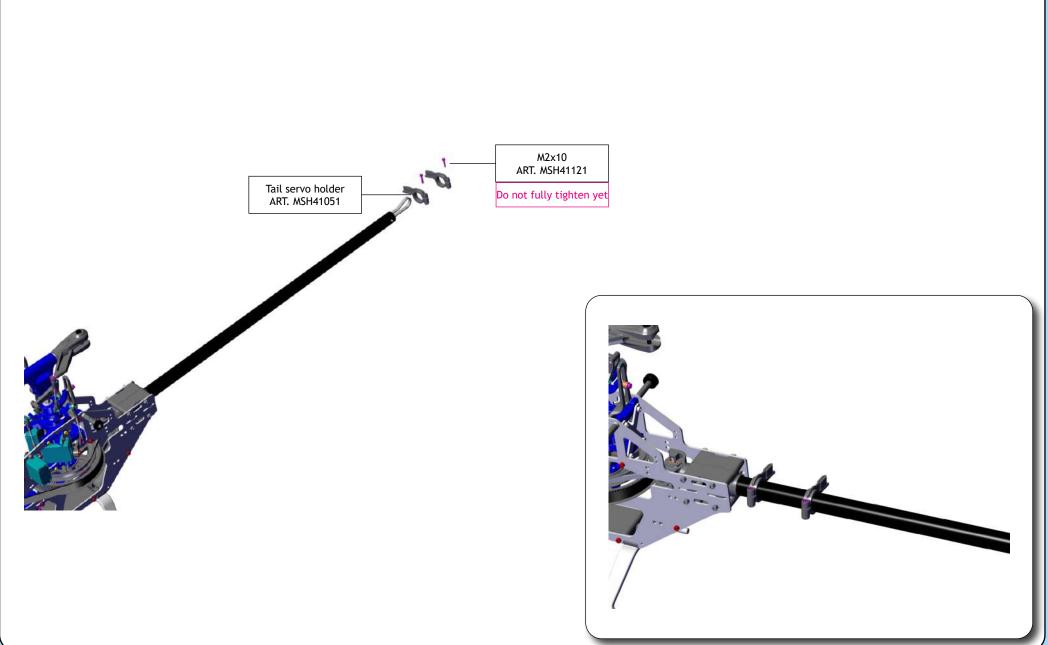


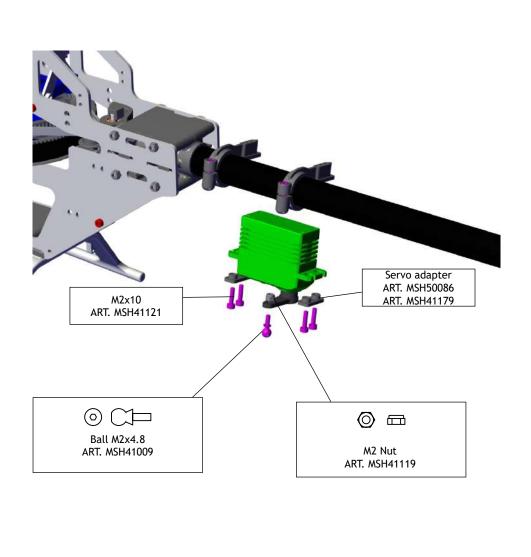


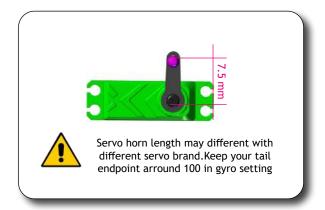


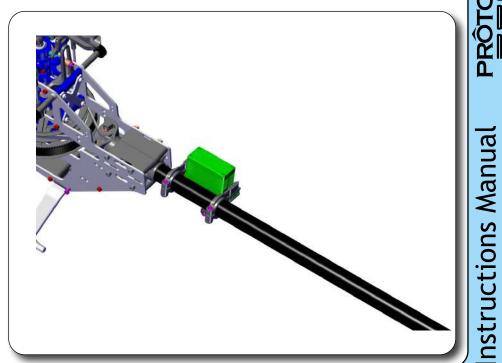








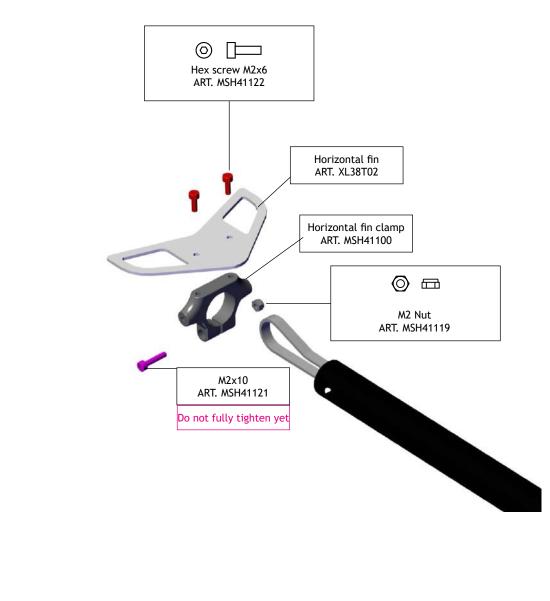




Bag 9

MSH

where I can find the parts

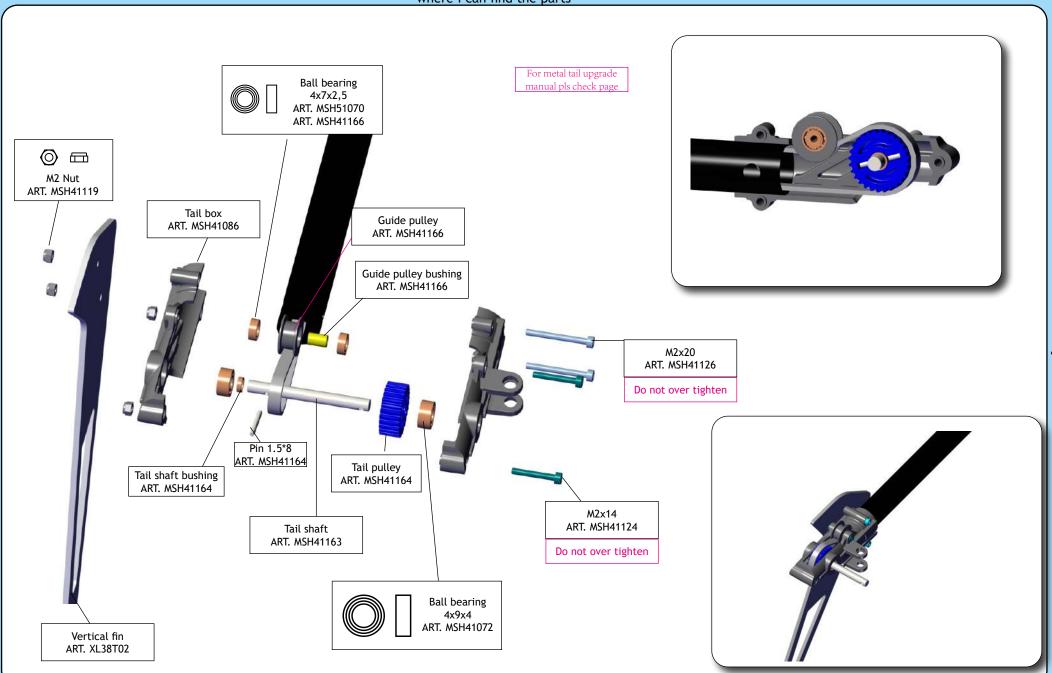




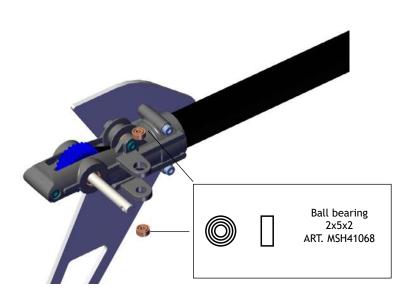
PRÔTOS

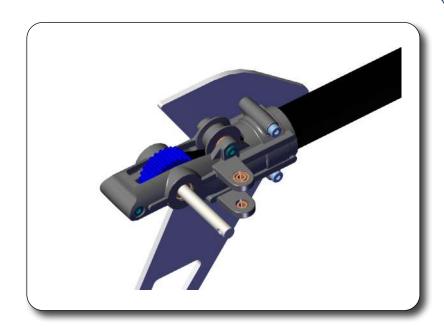
Instructions Manual

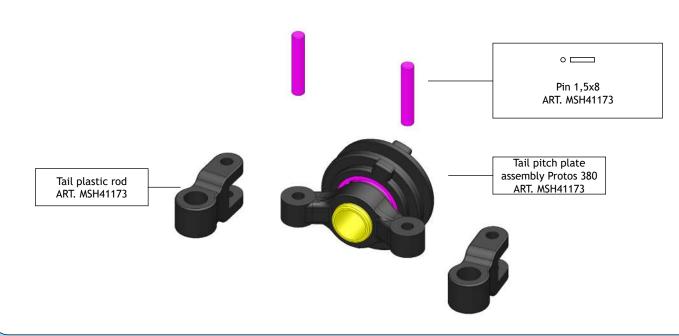








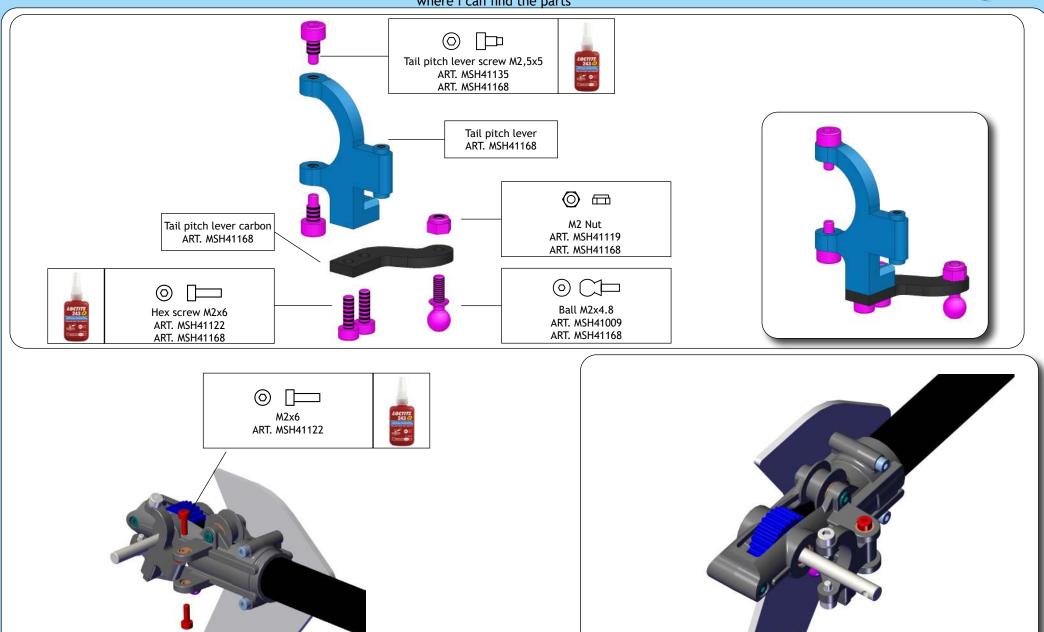






Bag 9



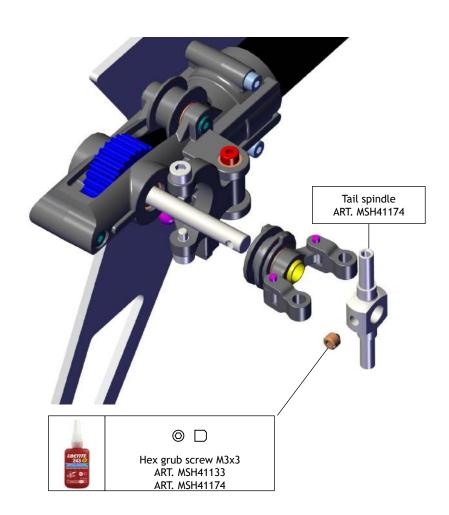


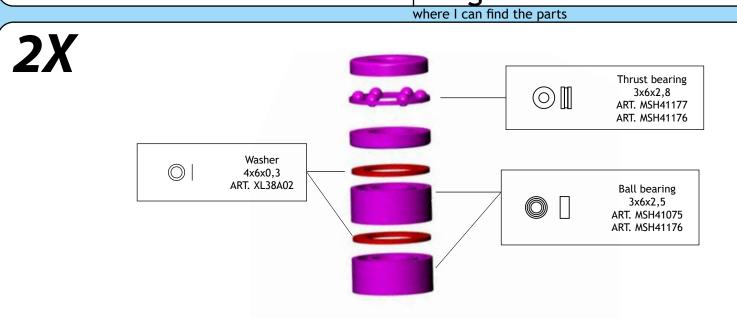
Bag 9

where I can find the parts



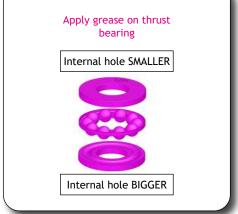
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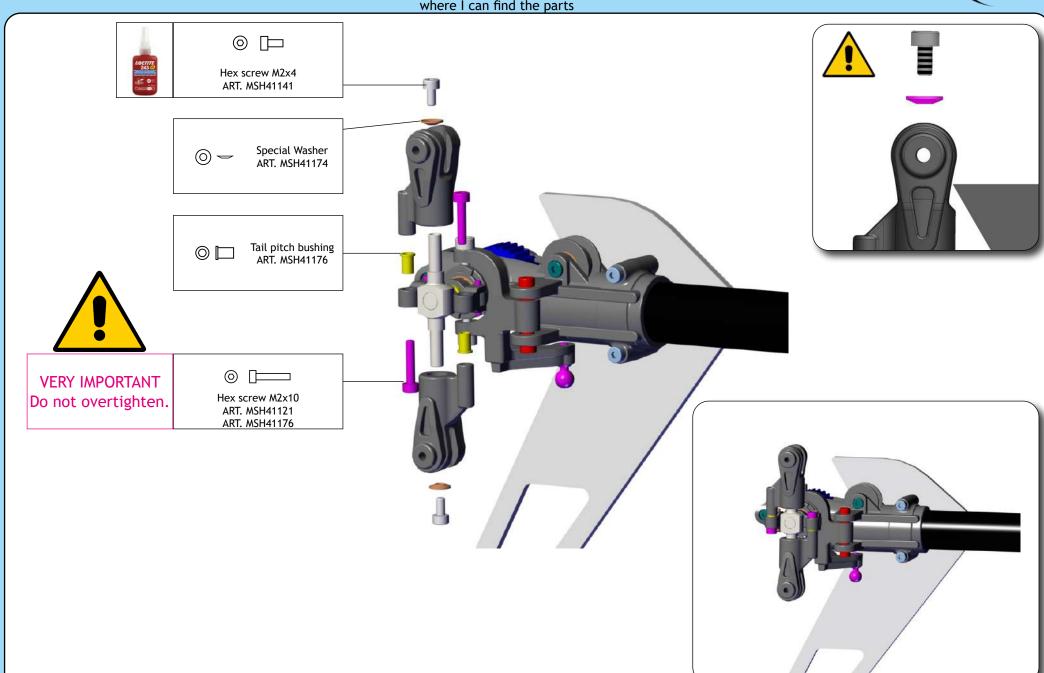


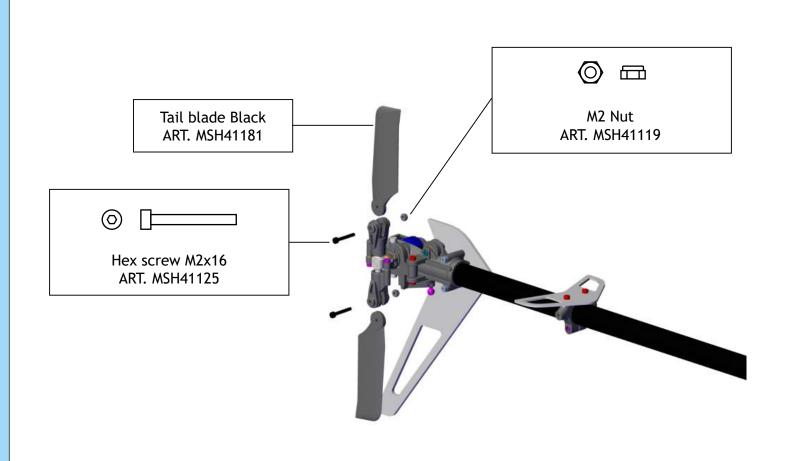


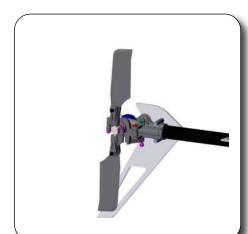


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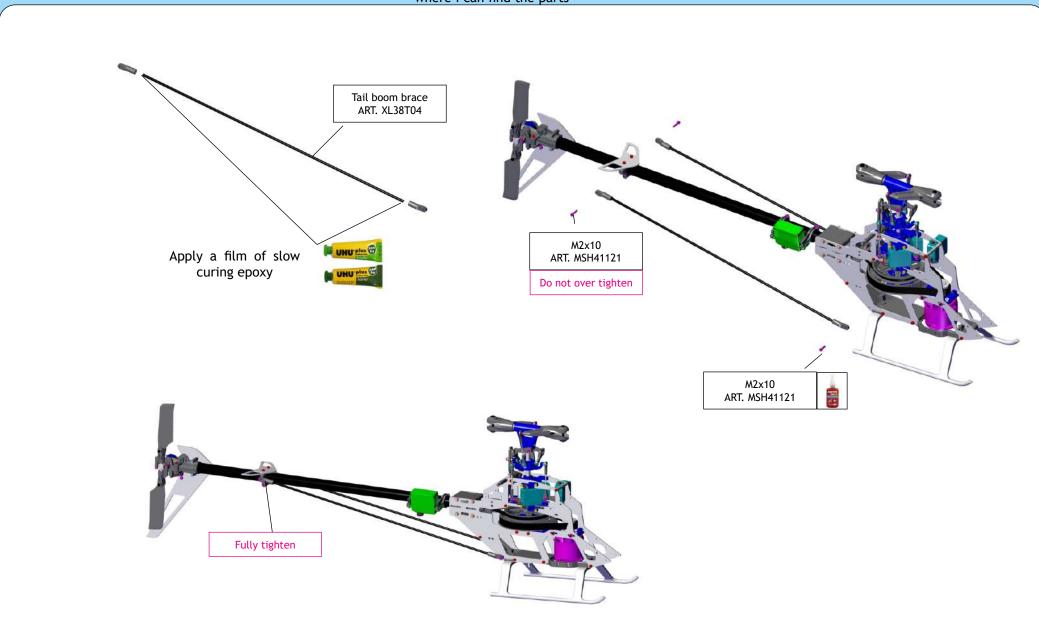






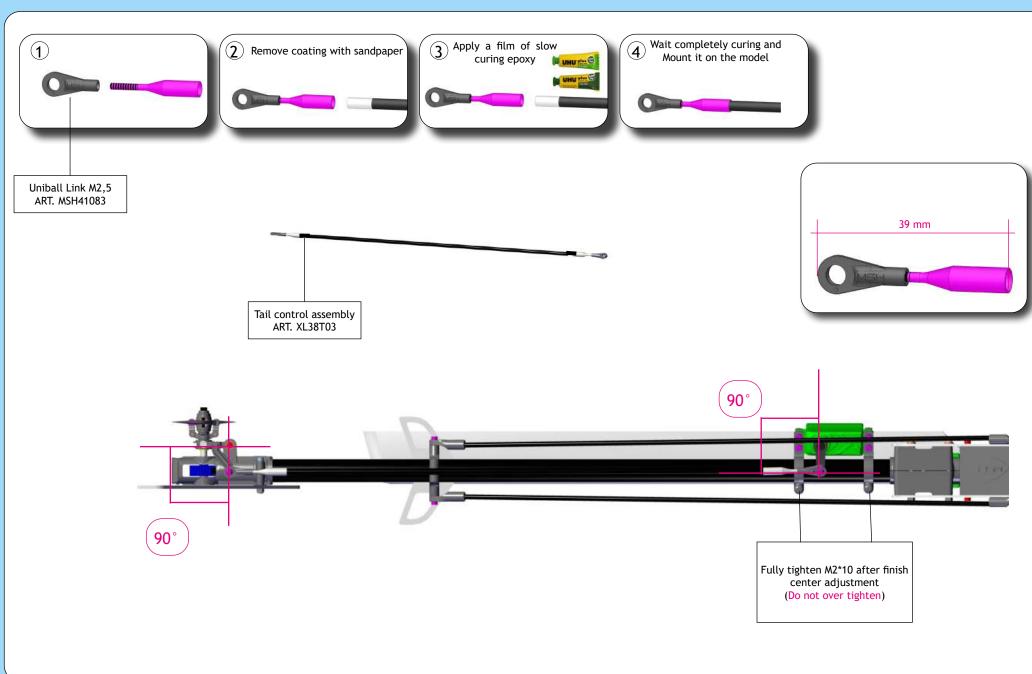






Bag8 + Bag 9

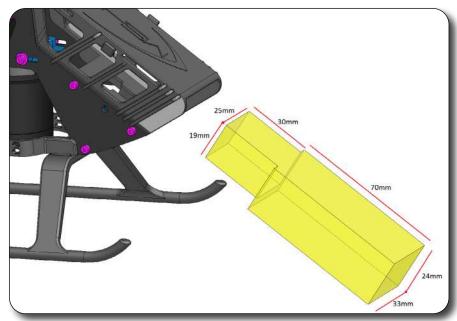


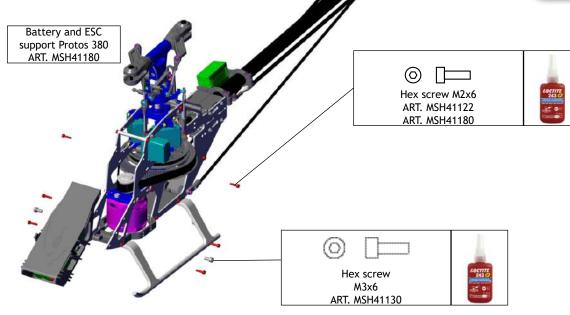


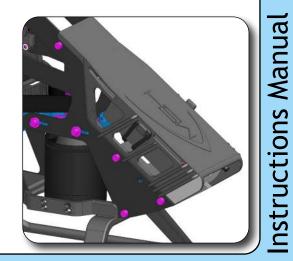


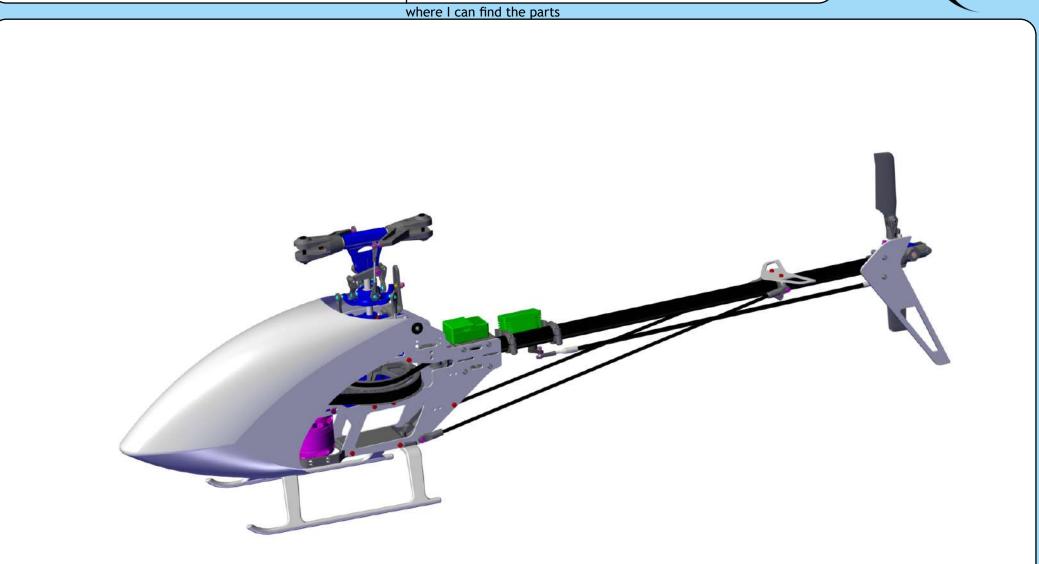






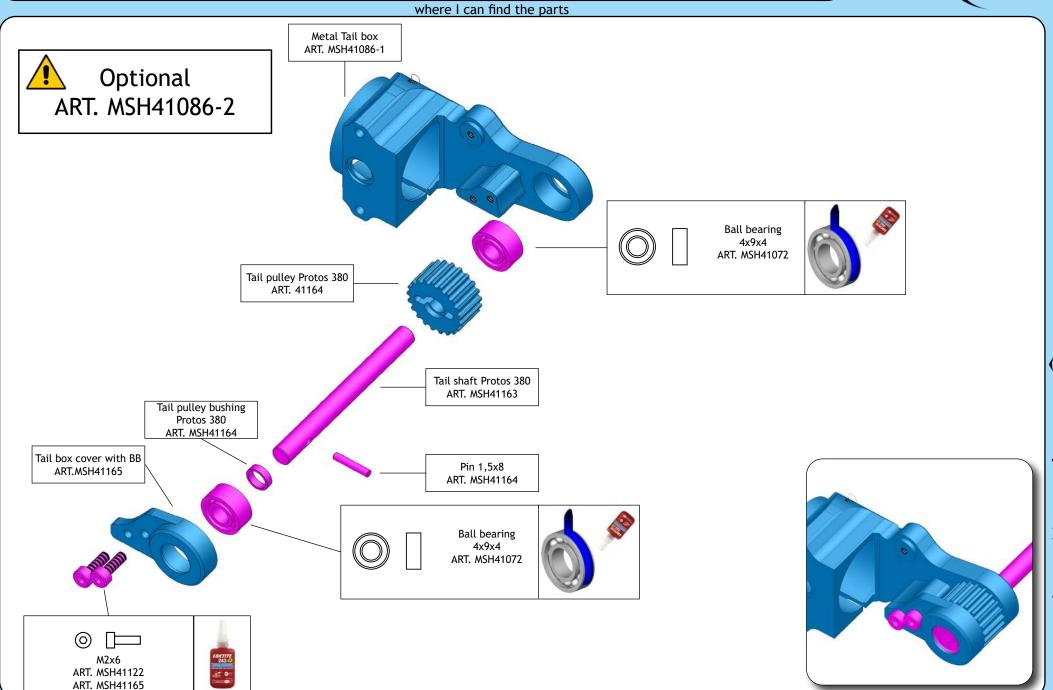




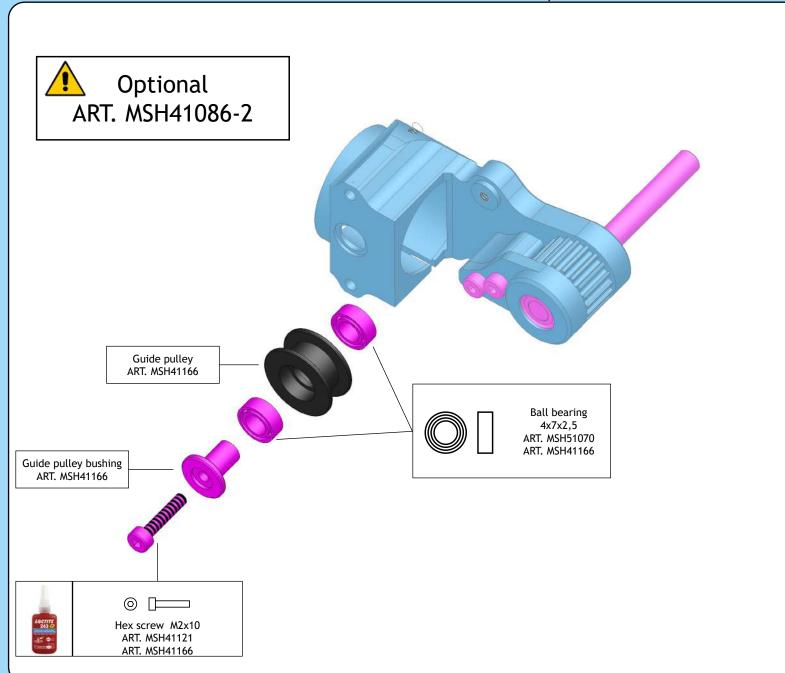


Optional







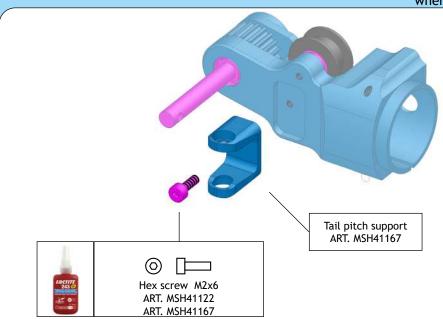




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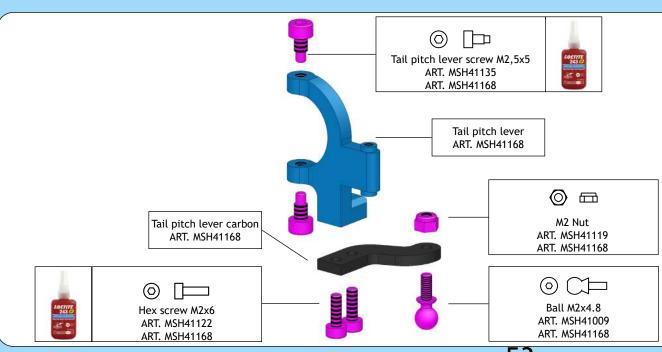


where I can find the parts



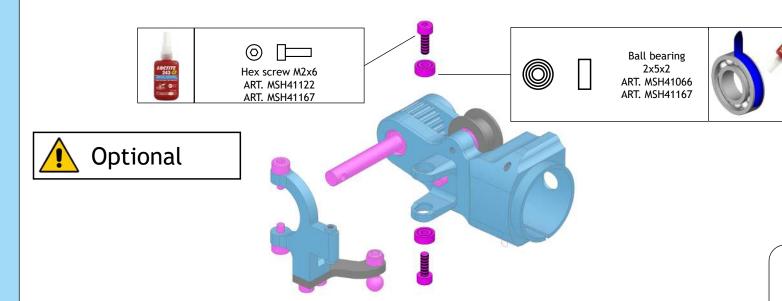
Optional ART. MSH41086-2









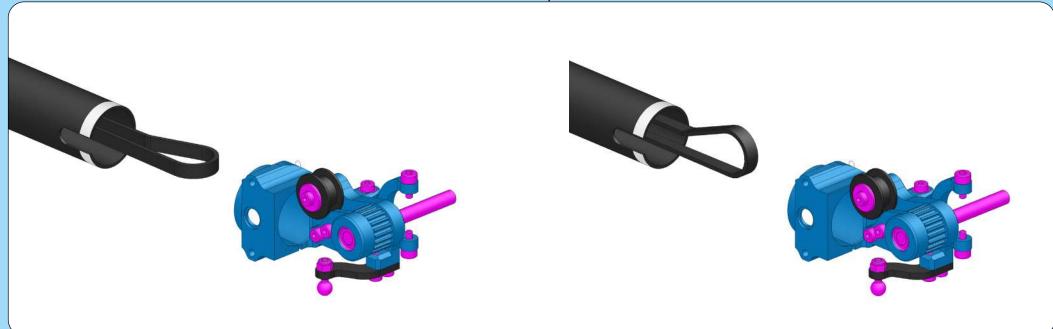


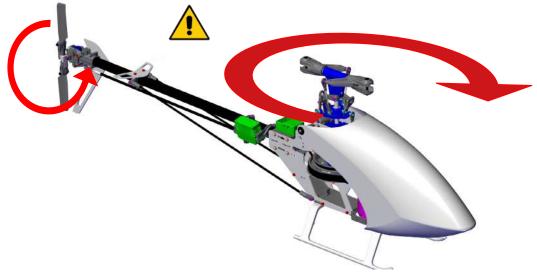


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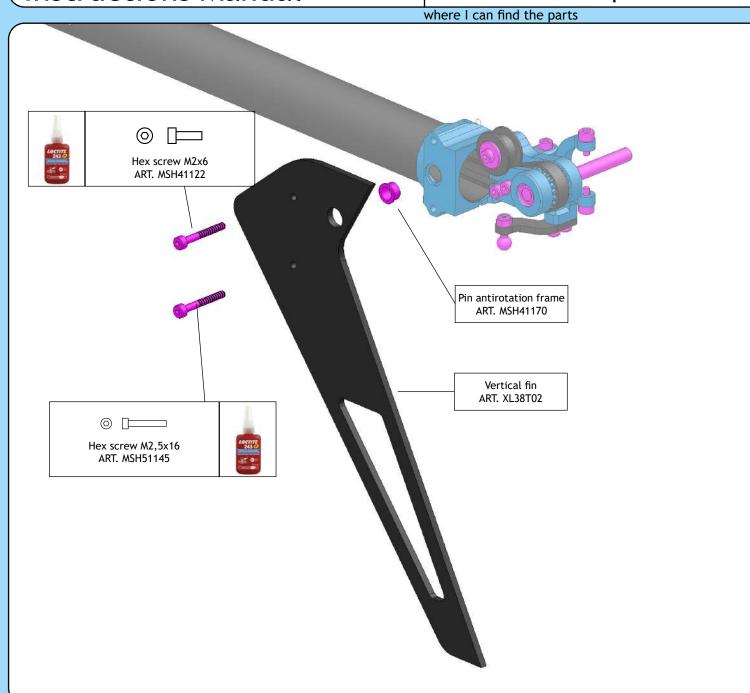
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Instructions Manual



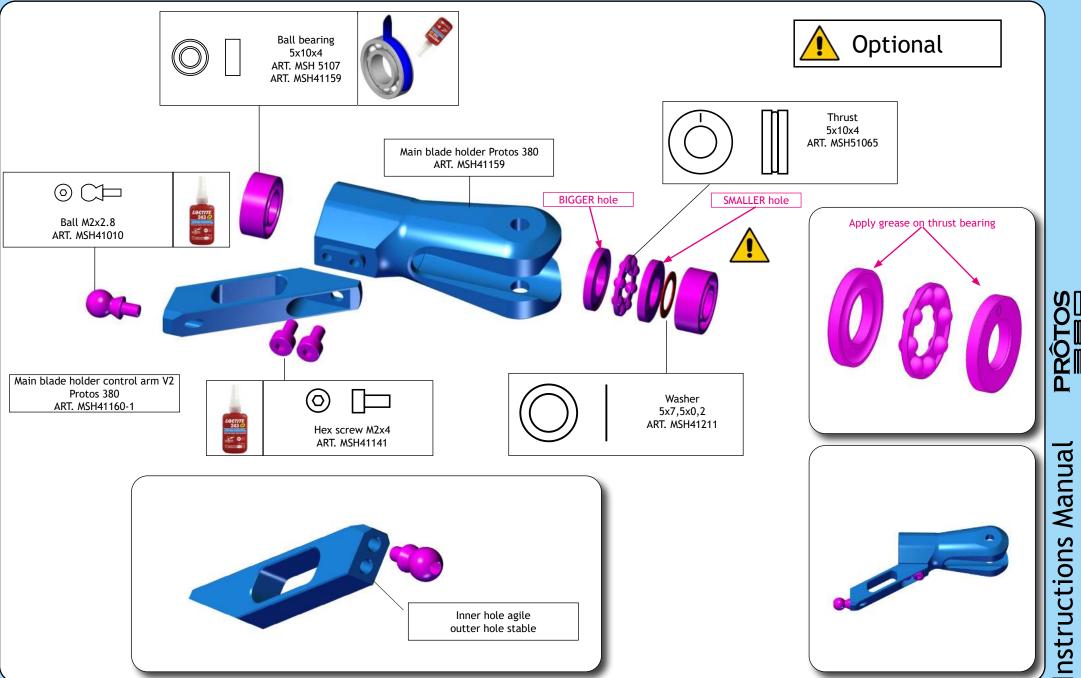




MSH41215-1 Upgrade

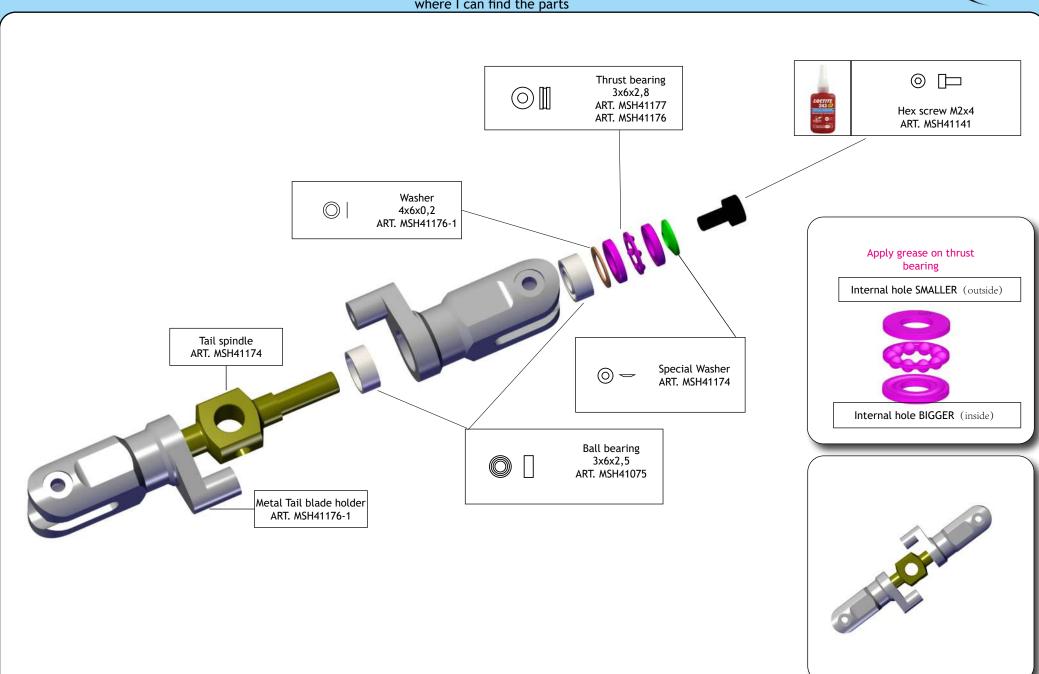






Optional









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