





Length without main blades...... 1371mm

Length with main blades............ 1757mm (700mm blades)

Release 1.01

Always check on www.msheli.com for a more recent version of this manual

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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.

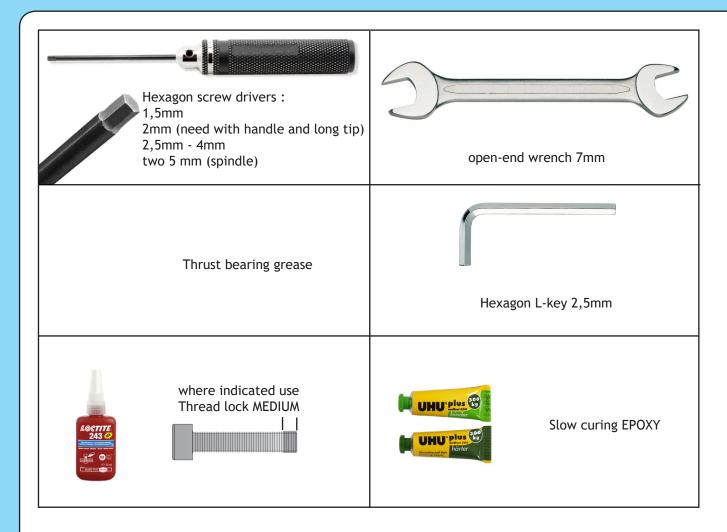
Note that a badly assembled or insuffciently adjusted helicopter is a safety hazard!

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

MSHeli Srl Italy

Tools required for assembly







R/C equipment required for assembly



Tail servo supported: all standard servos (qnty. 1)

Trasmitter / Receiver:

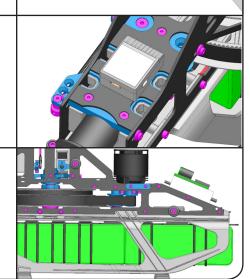
Satellites:

Spektrum: DSM 2 - DSM X Futaba: S-Bus - S-Bus 2

HOTT SumD MPX Srxl - Hudi

Standard receiver: all

Battery pack: LiPo 10s to 14s 4000/5500mAh



Main blades: standard full carbon blades 690mm - 716mm

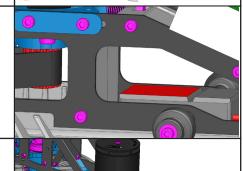
750mm - 800mm need 800 conversion Kit Protos Max V2

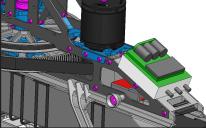
ART. MSH71165

Tail blades: standard full carbon blades 105mm to 115mm

BEC

ESC: at least 160 A High Voltage

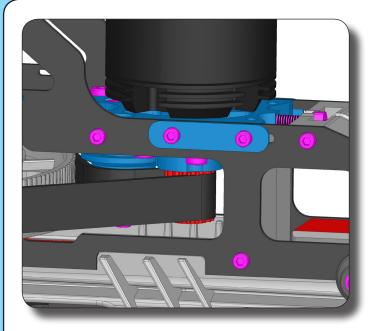




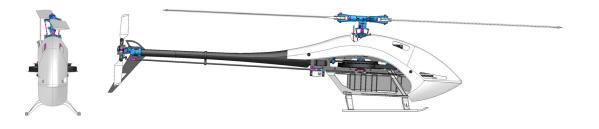


Motor pinion teeth choice

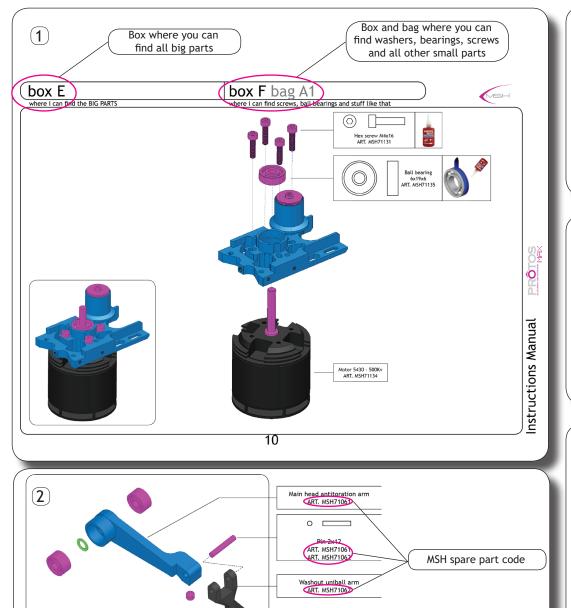


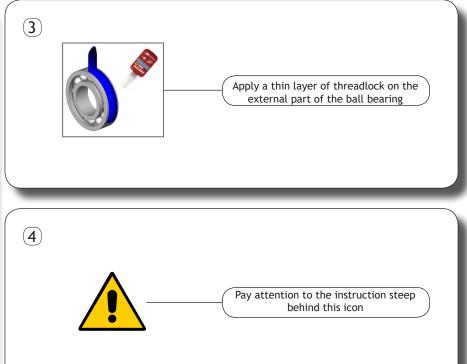


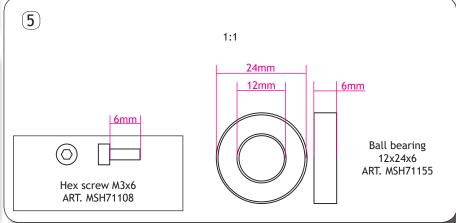
Fly style	Pinion	RPM (520Kv motor)
Beginner	18T ART.MSH71226 (Optional)	1800
Sport	19T ART. MSH71227 (Optional)	1950
Soft 3D	20T ART. MSH71228	2100
3D	21T ART. MSH71229 (Optional)	2150
Hard 3D	22T ART. MSH71230 (Optional)	2250
Hardcore 3D	23T ART. MSH71231 (Optional)	2350





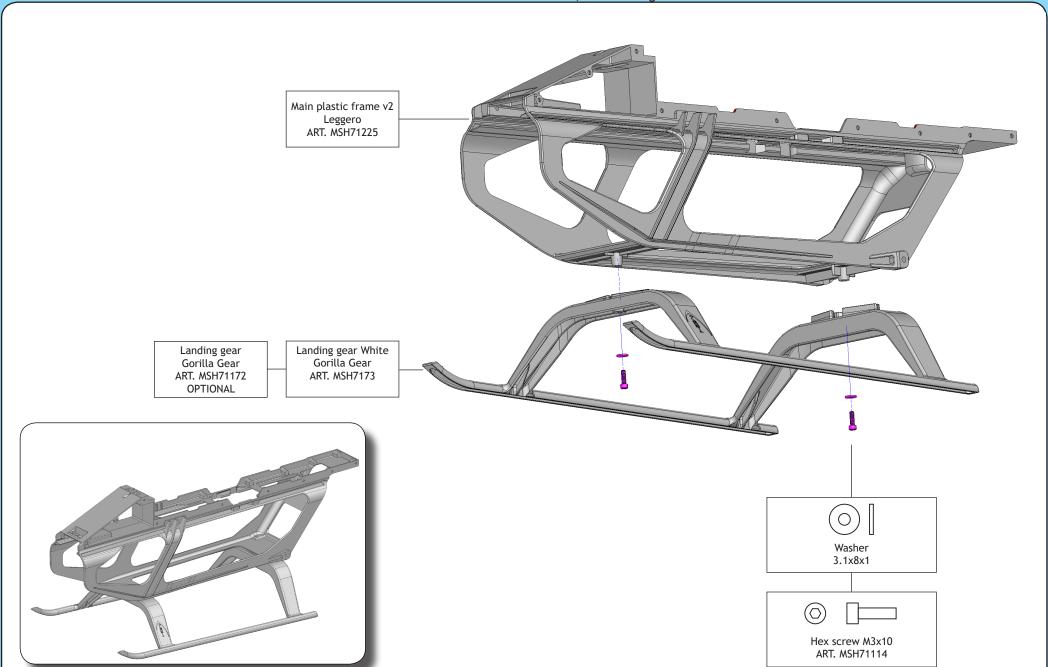






box F bag A1 where I can find screws, ball bearings and stuff like that

where I can find the BIG PARTS

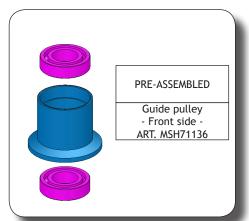


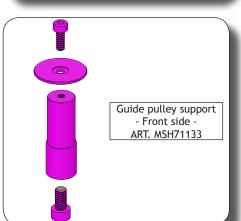
box F bag A1

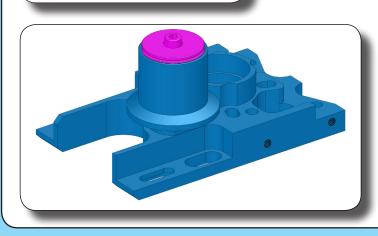


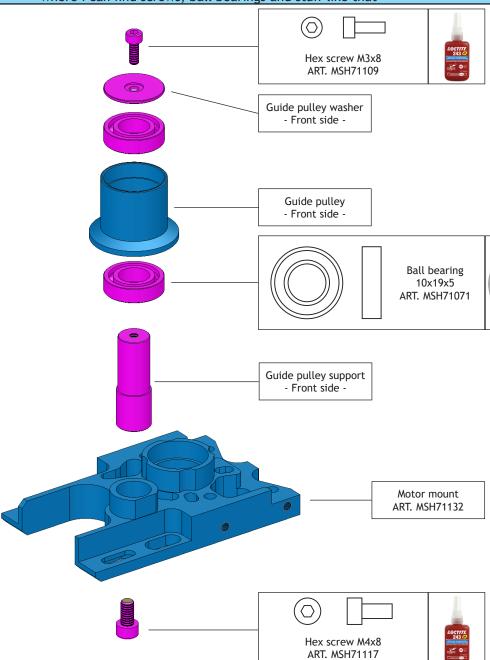
where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that





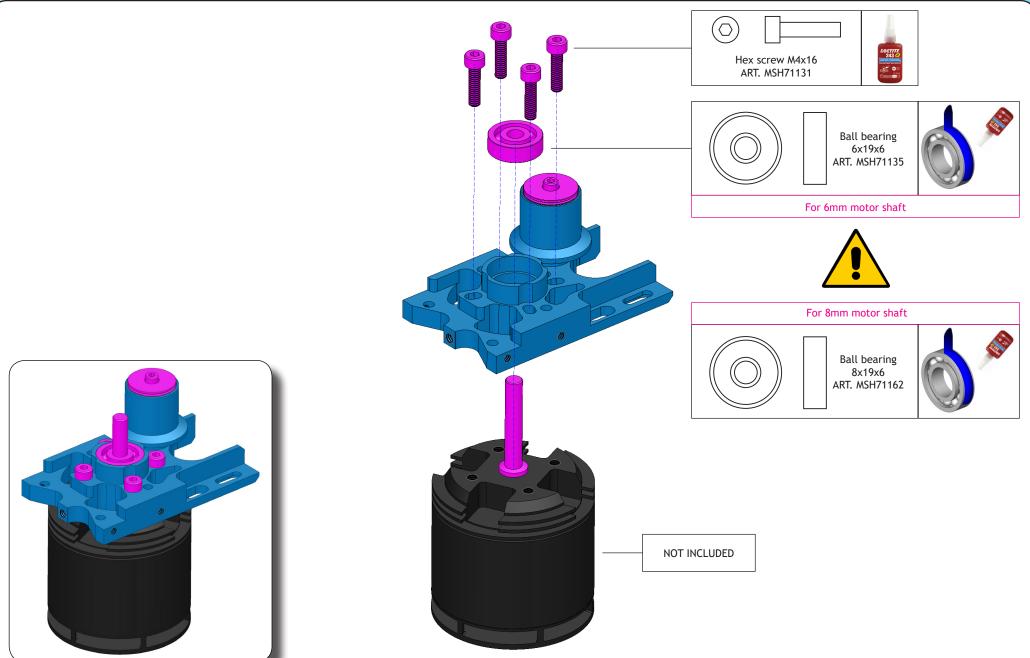






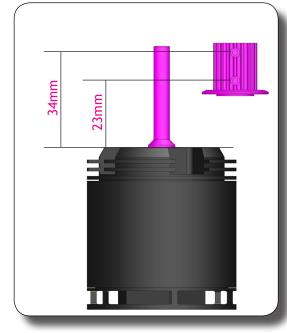
box F bag A1 where I can find screws, ball bearings and stuff like that

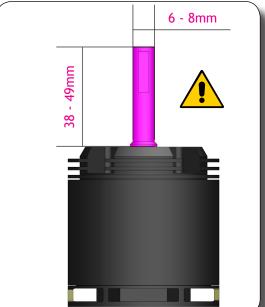
where I can find the BIG PARTS

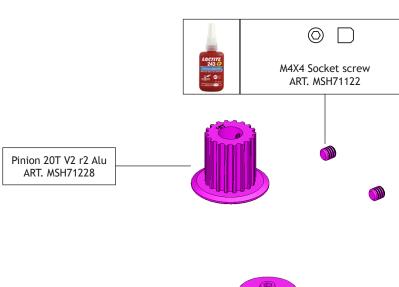


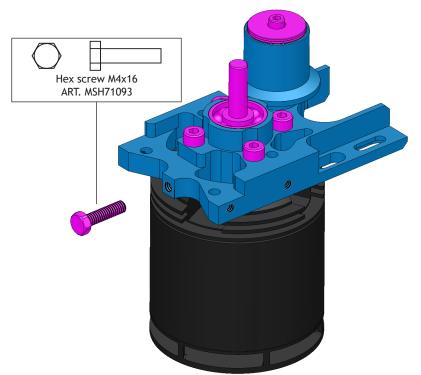
where I can find screws, ball bearings and stuff like that

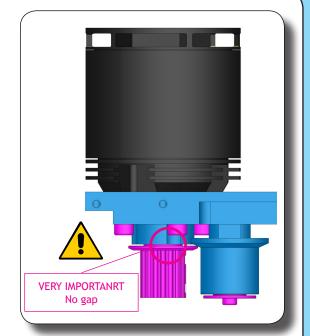


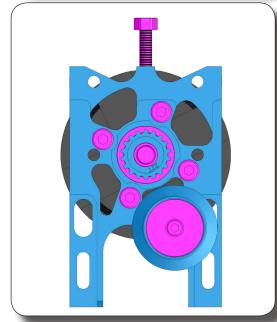










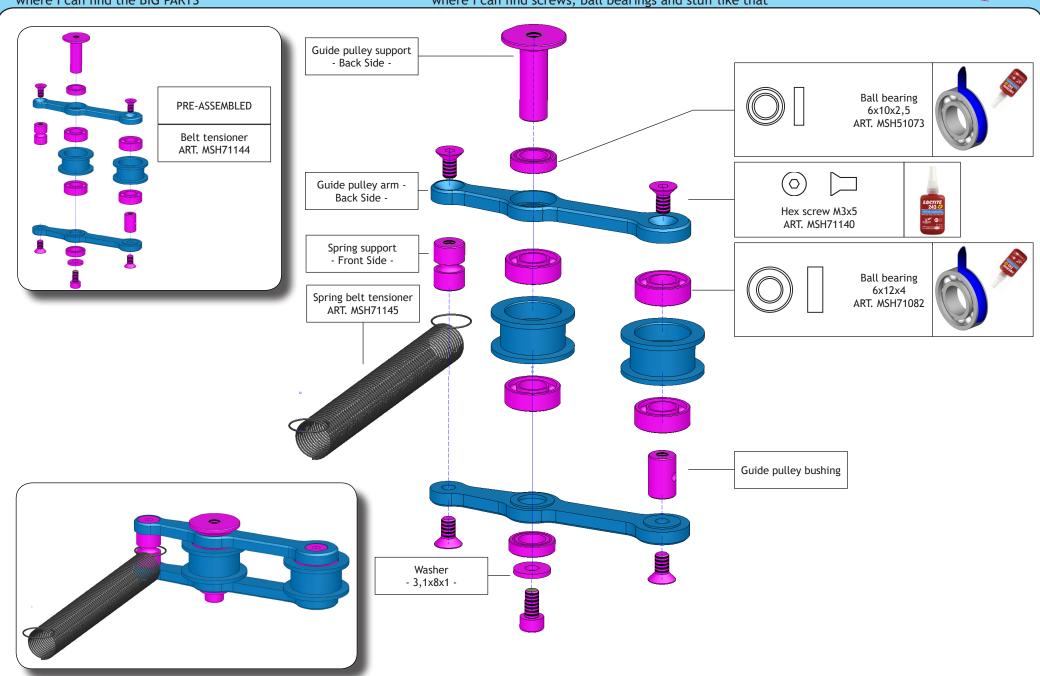


box F bag A2

MSH

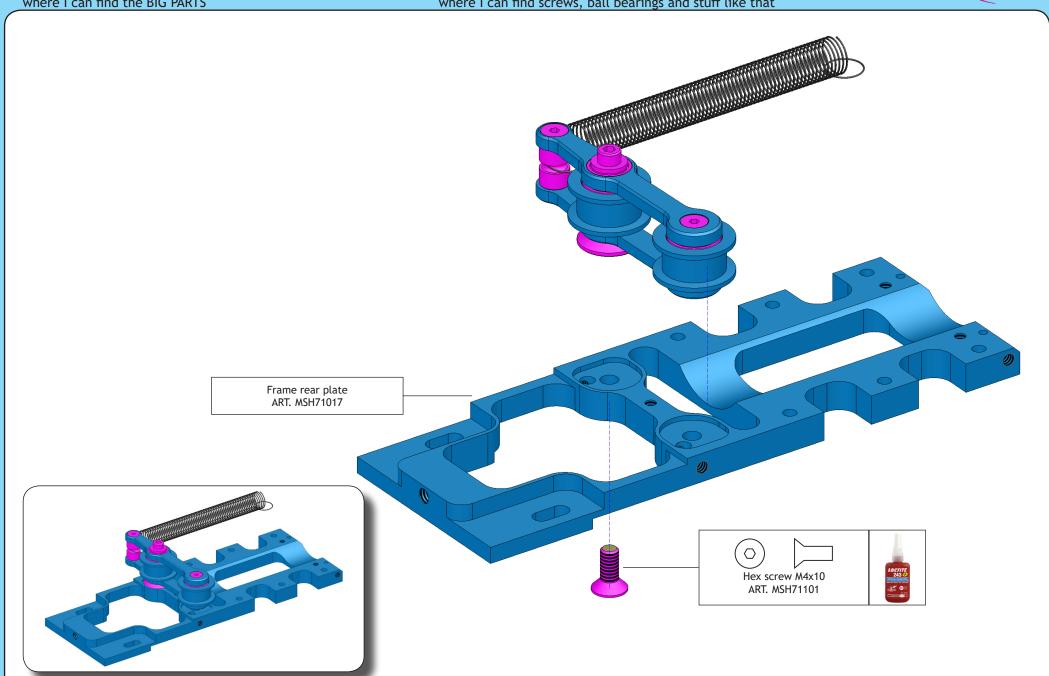
where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that



box F bag A2 where I can find screws, ball bearings and stuff like that

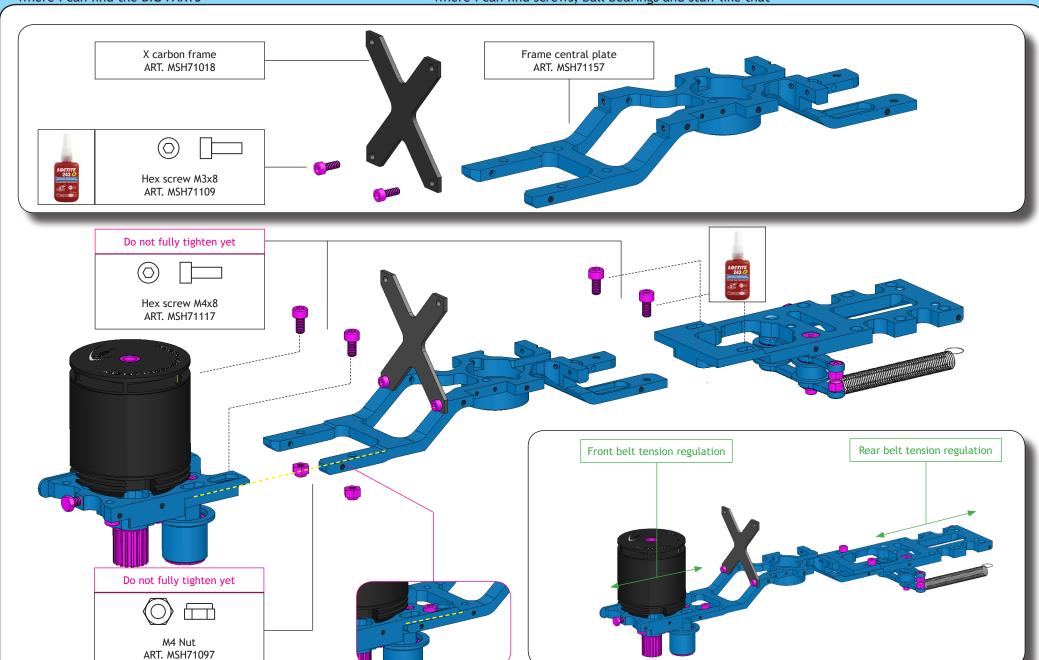
where I can find the BIG PARTS

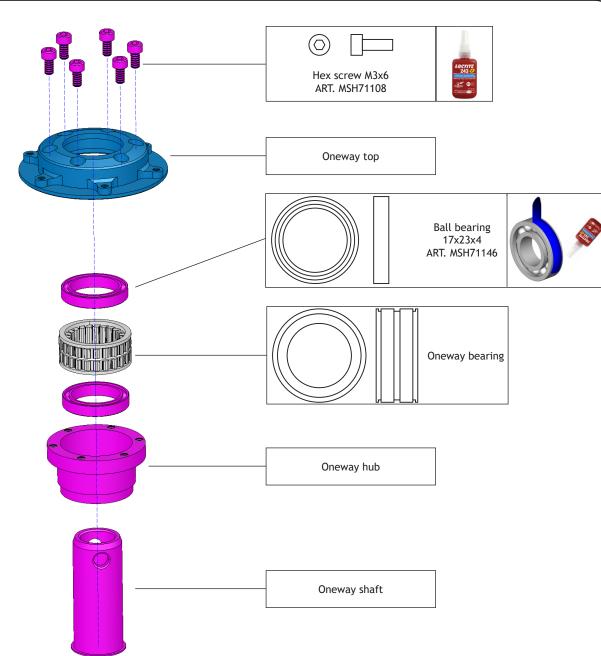


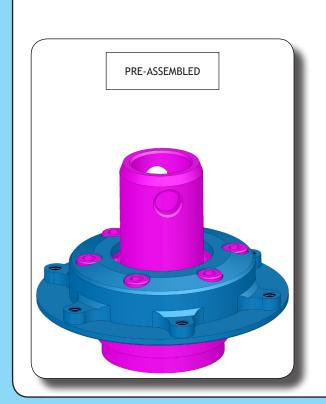


where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that



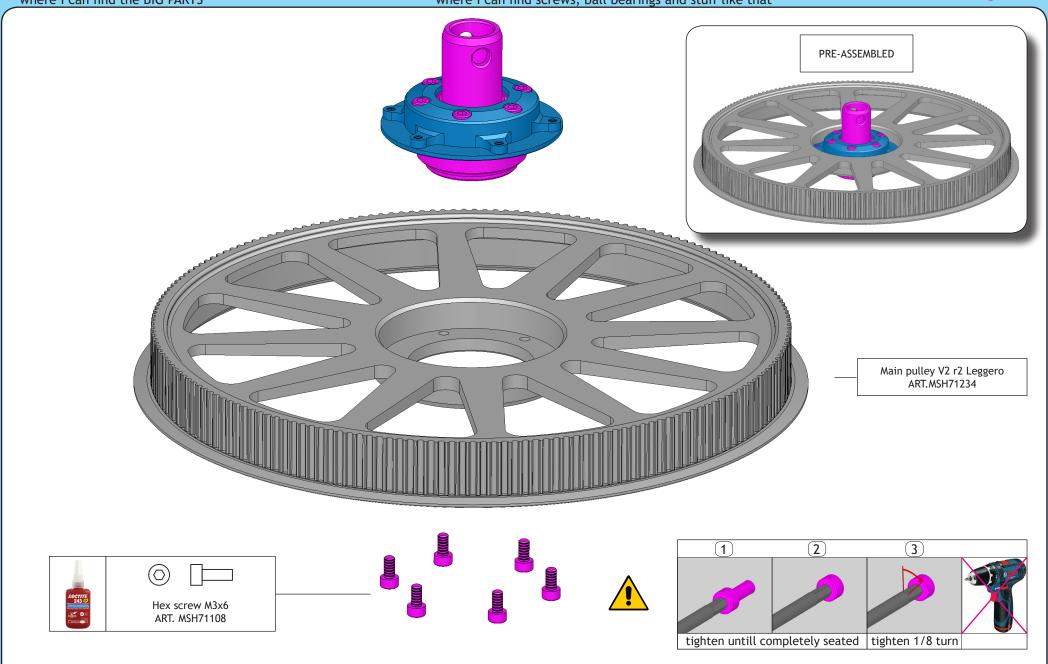




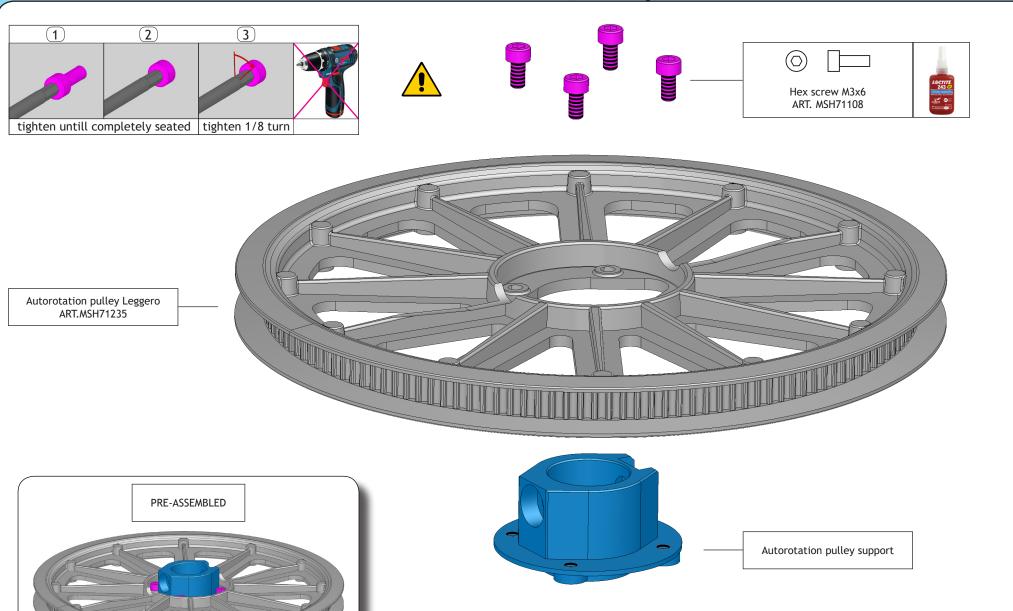
Instructions Manual

where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that

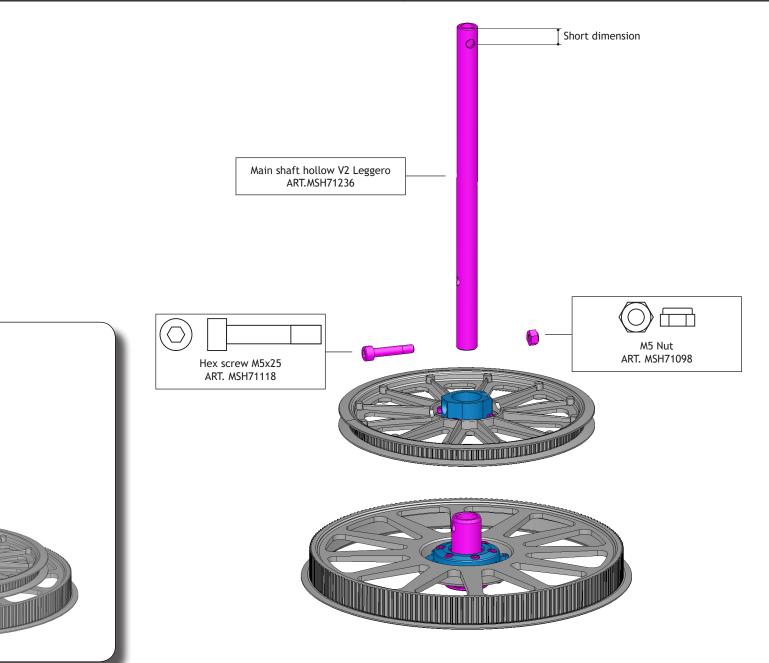


where I can find screws, ball bearings and stuff like that





where I can find the BIG PARTS

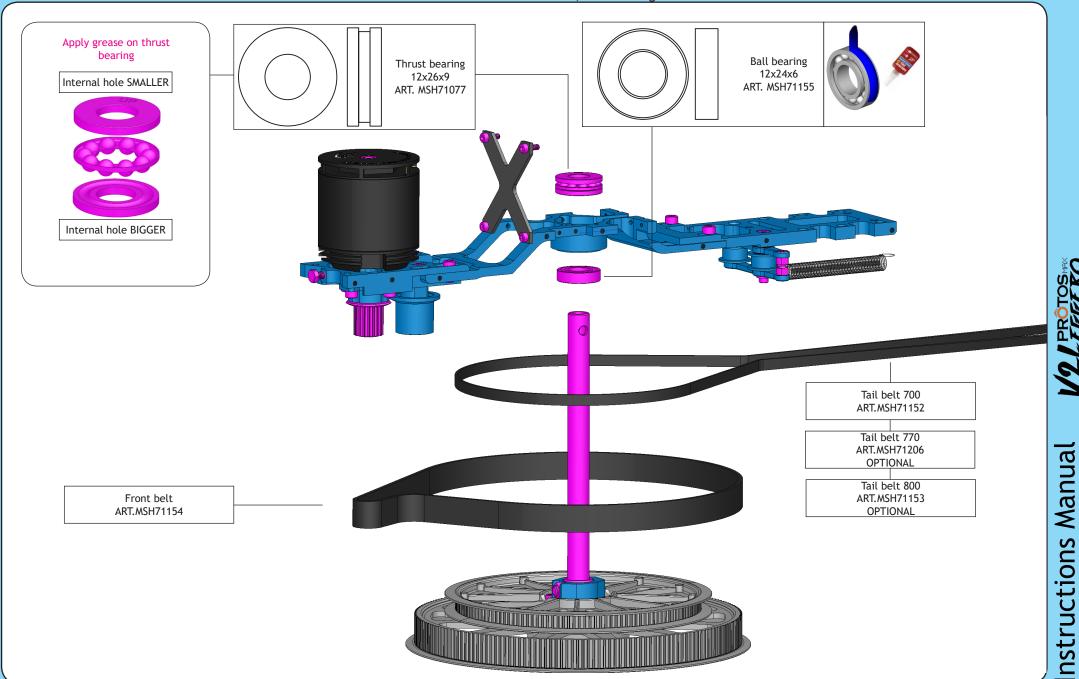


box F bag A2



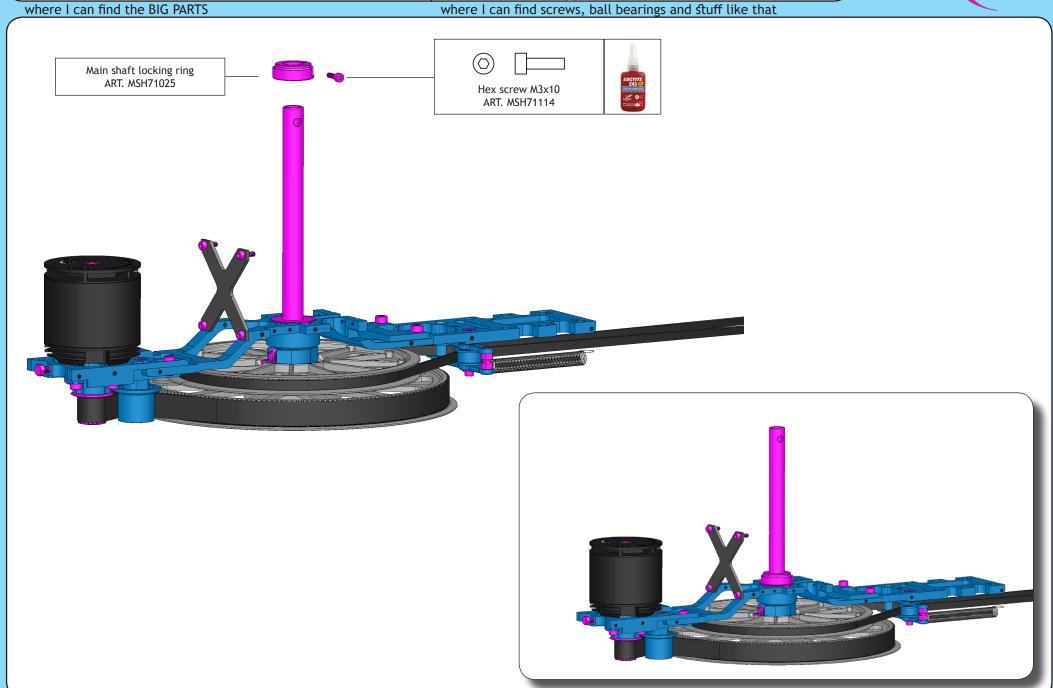
where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that



box F bag A2 where I can find screws, ball bearings and stuff like that

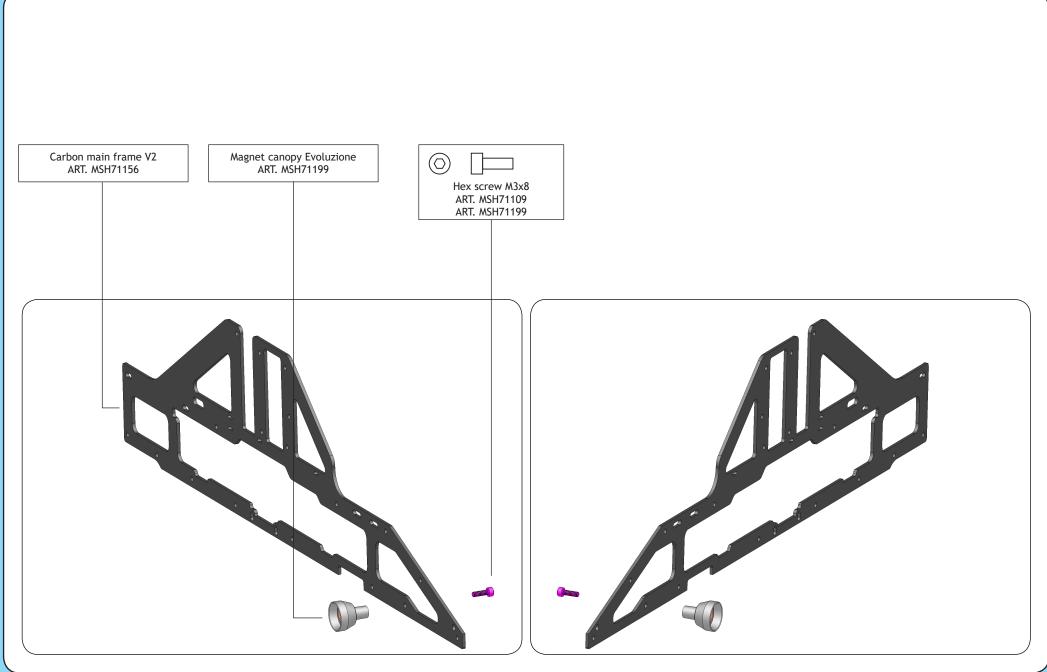




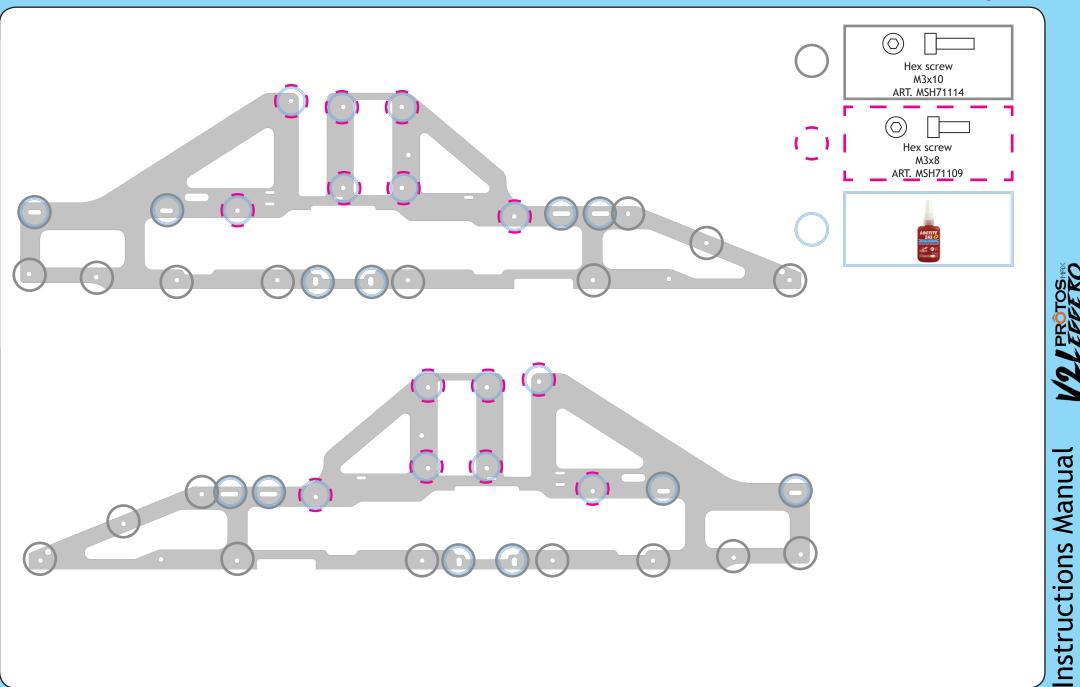
box B

box F bag A+A3 where I can find screws, ball bearings and stuff like that

where I can find the BIG PARTS

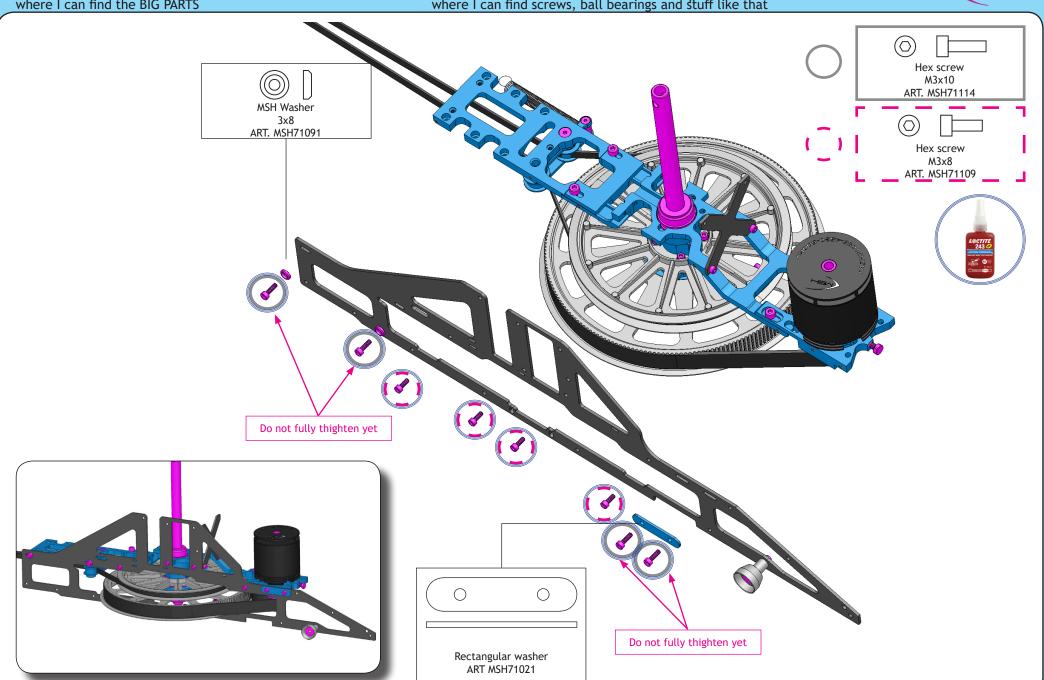






box F bag A3 where I can find screws, ball bearings and stuff like that

where I can find the BIG PARTS

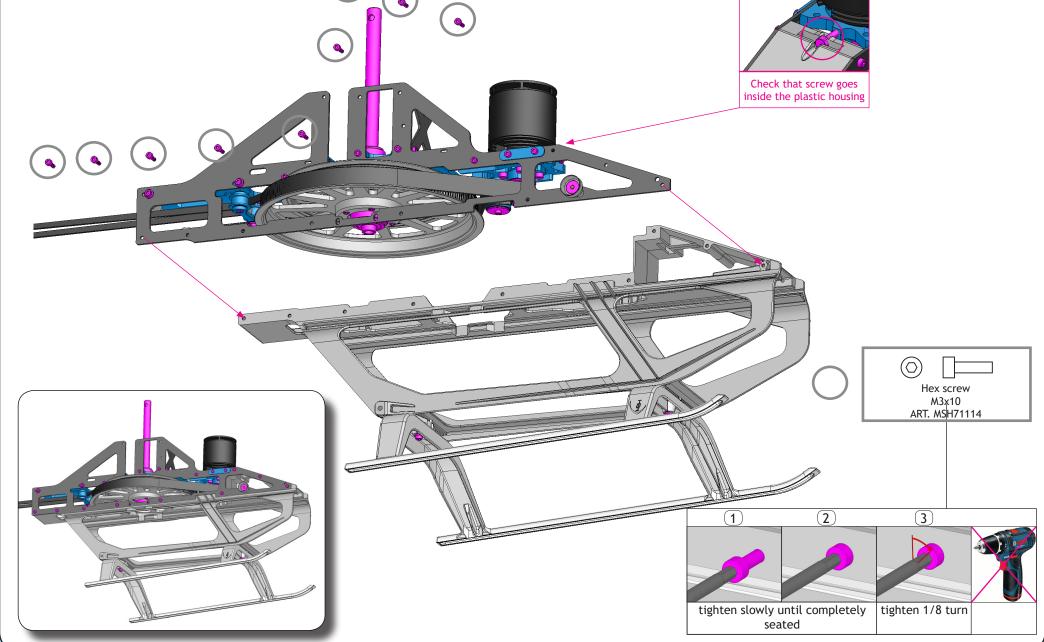


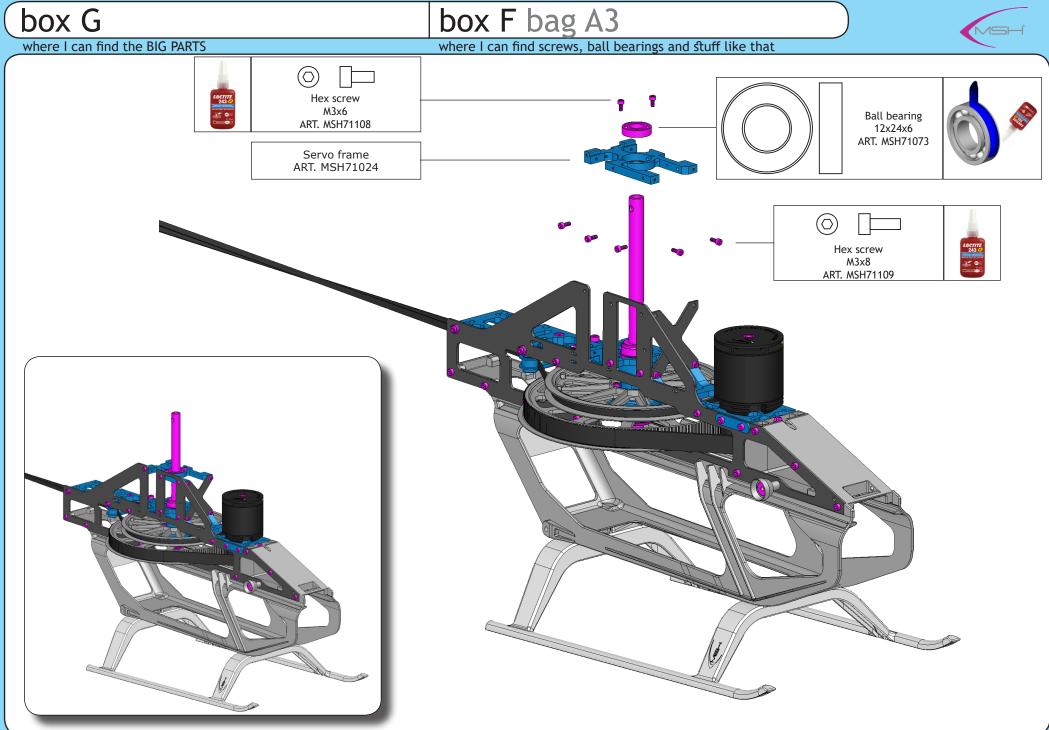


box F bag A3
where I can find screws, ball bearings and stuff like that where I can find the BIG PARTS



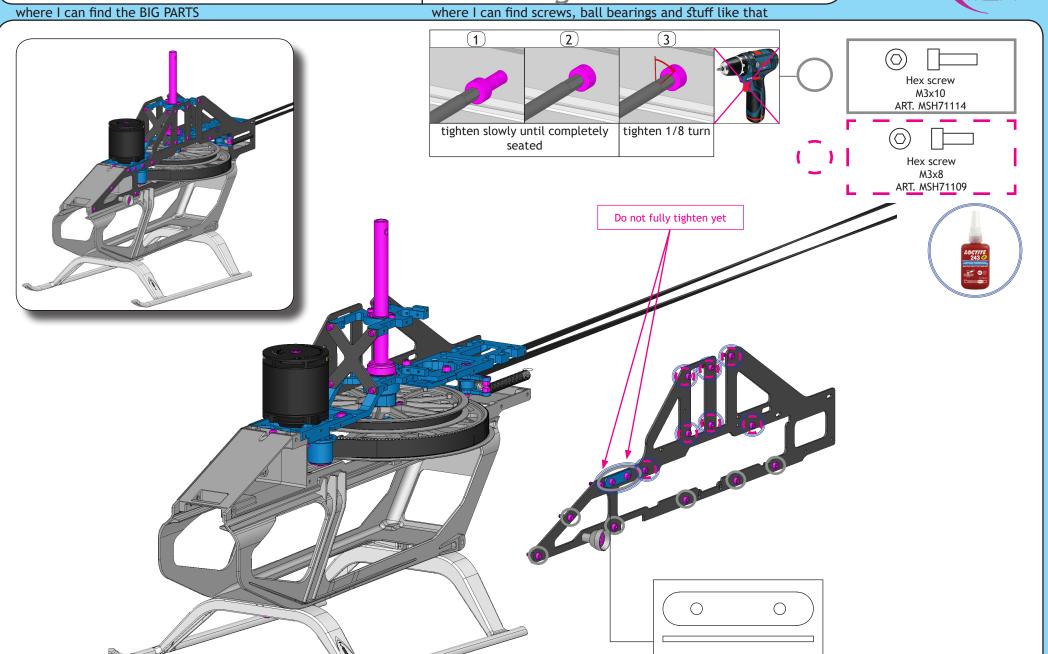






box F bag A4

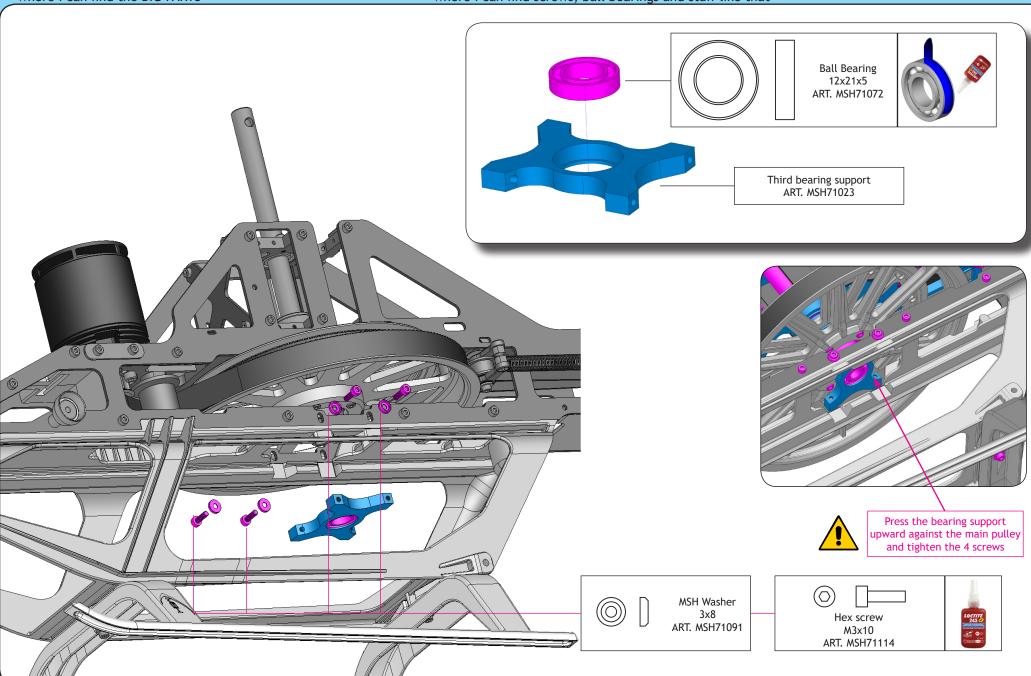




Rectangular washer ART MSH71021



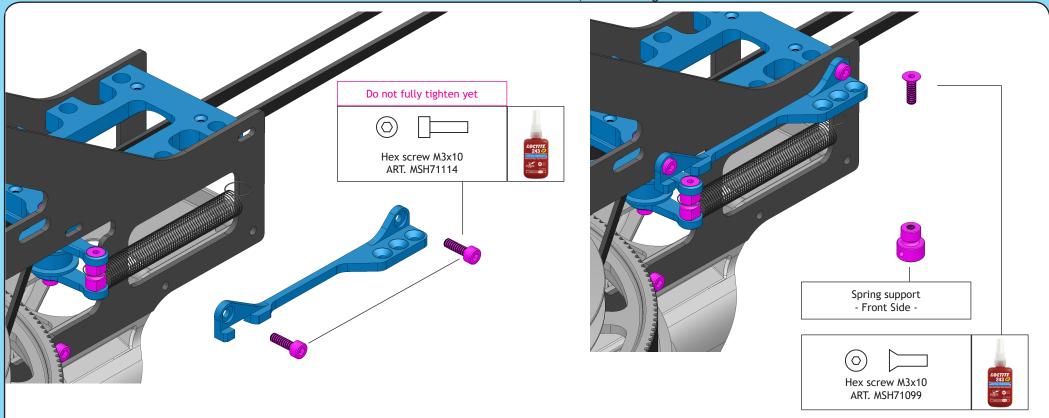
where I can find the BIG PARTS

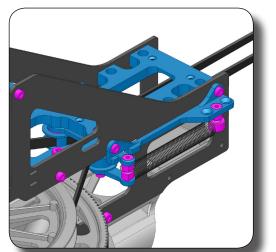


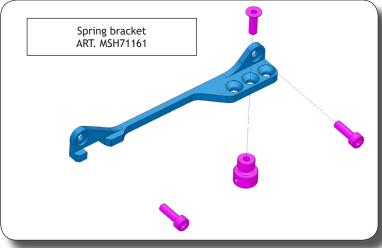
box F bag A5 where I can find screws, ball bearings and stuff like that

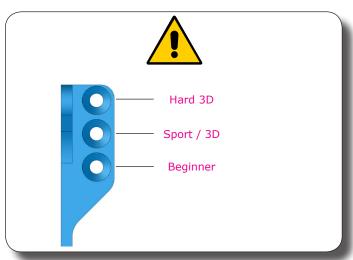


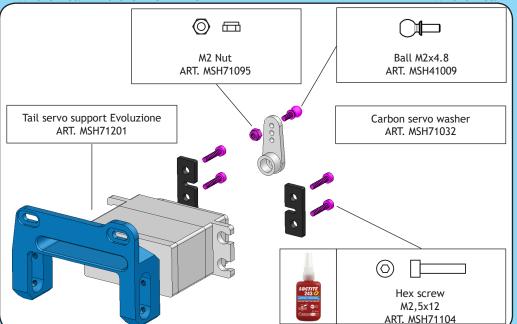
where I can find the BIG PARTS

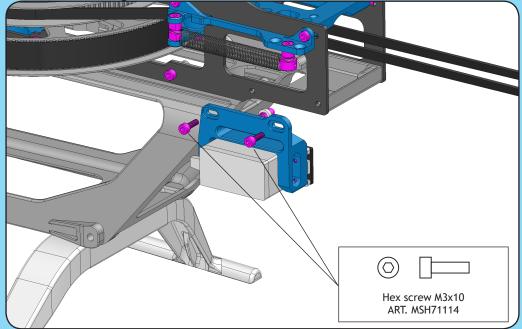


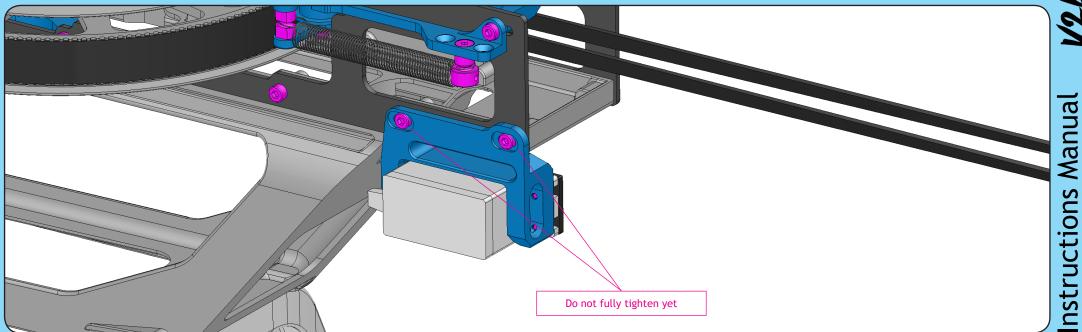












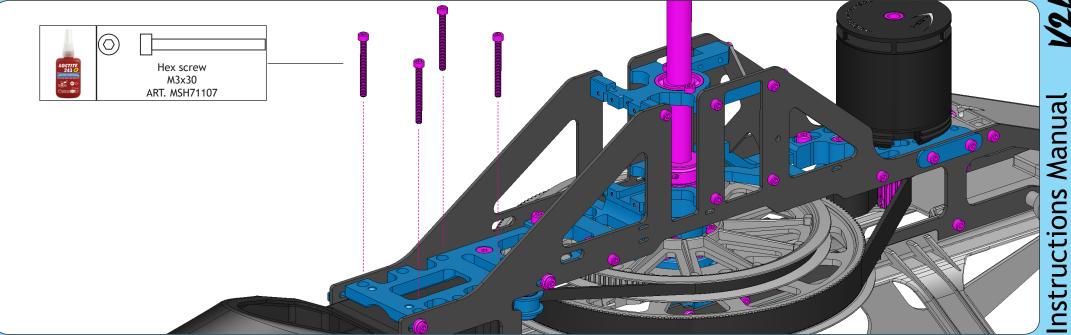


Carbon boom Evoluzione 800 size To be used with 800mm Main blades ART. MSH71198

Carbon boom Evoluzione 770 size
To be used with

770mm Main blades ART. MSH71197

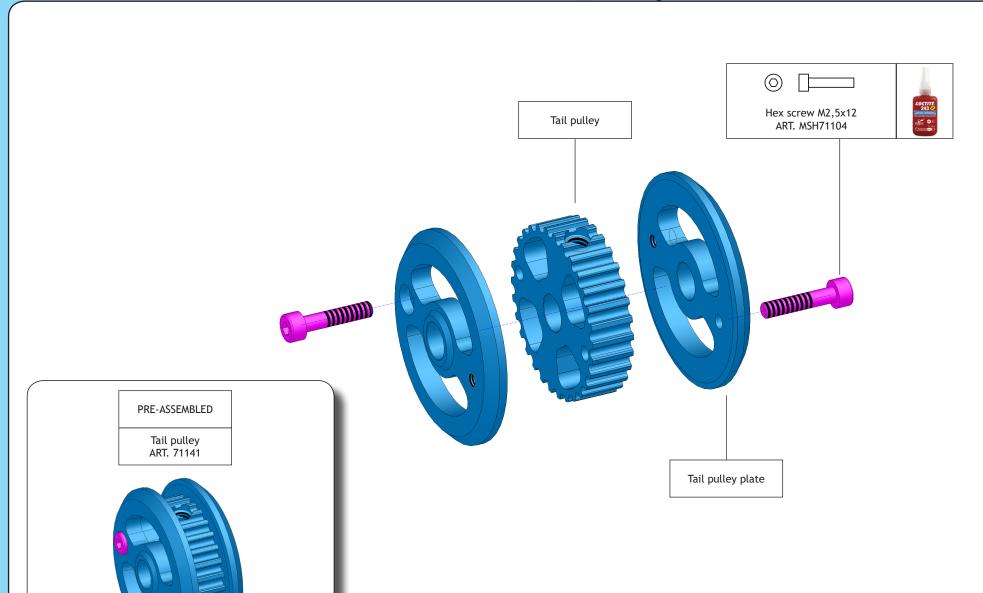
Carbon boom Evoluzione 700 size To be used with 700mm Main blades ART. MSH71196



MSH

where I can find the BIG PARTS

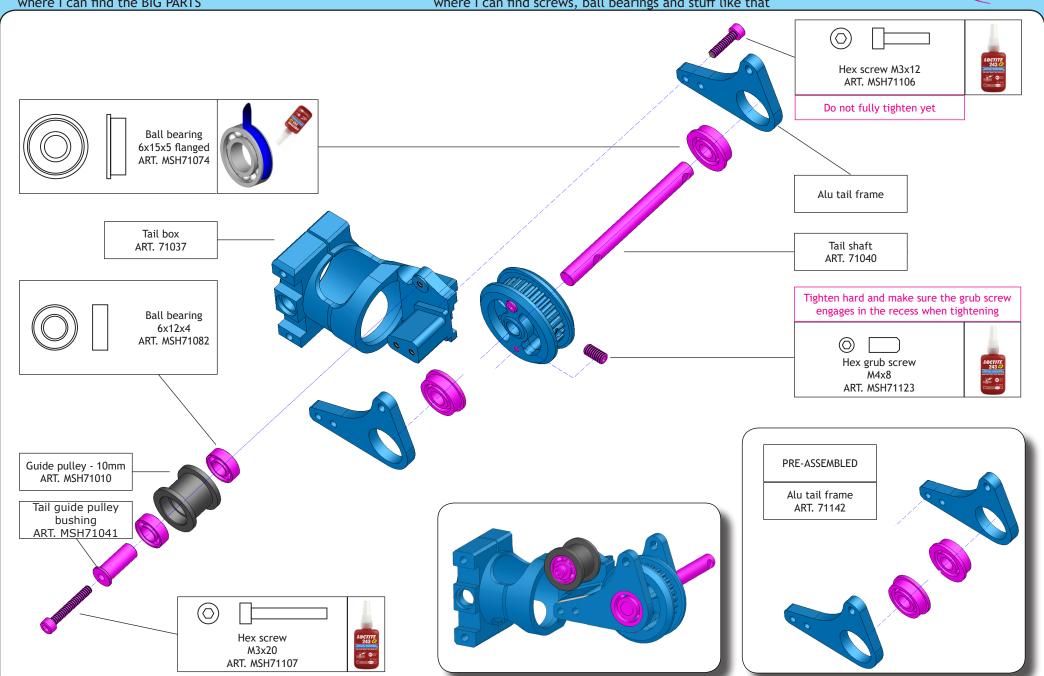
where I can find screws, ball bearings and stuff like that



box F bag C1

where I can find the BIG PARTS

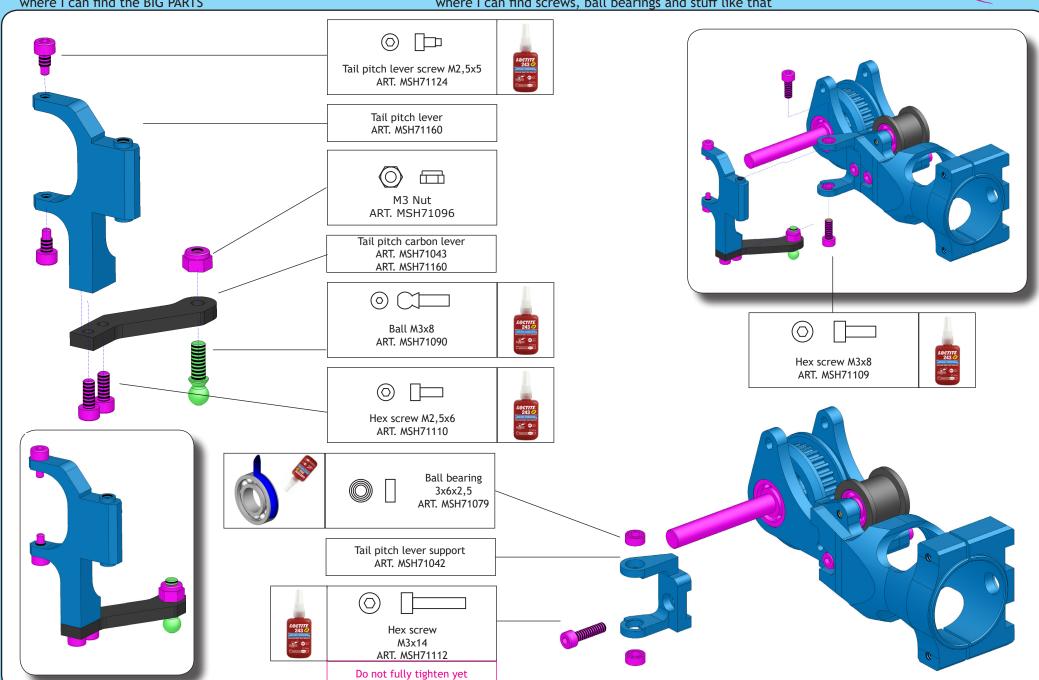
where I can find screws, ball bearings and stuff like that



box F bag C+C1

where I can find the BIG PARTS

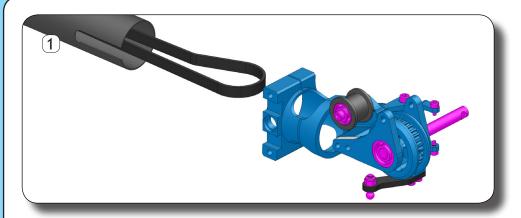
where I can find screws, ball bearings and stuff like that

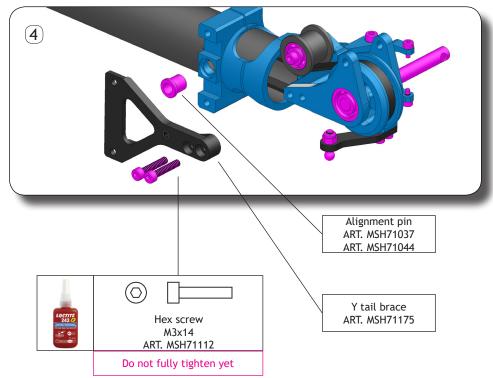


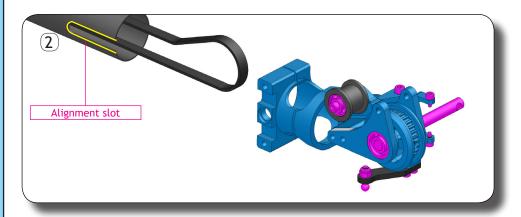
MSH

where I can find the BIG PARTS

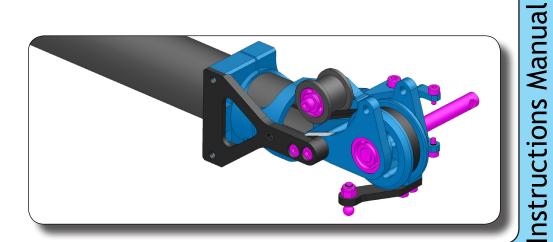
where I can find screws, ball bearings and stuff like that

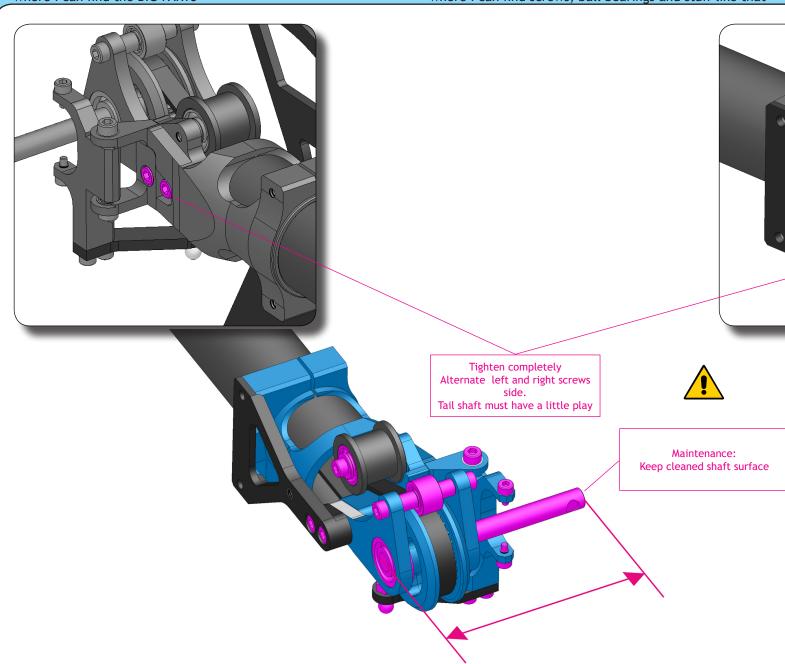


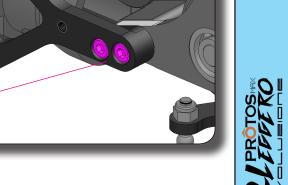










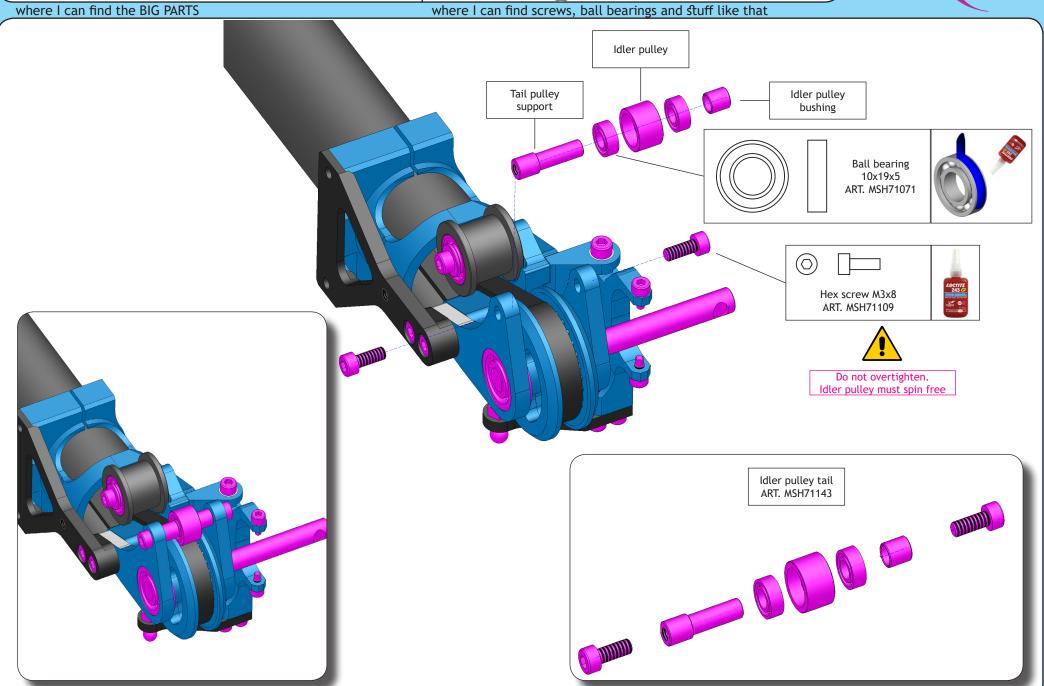


box F bag C2



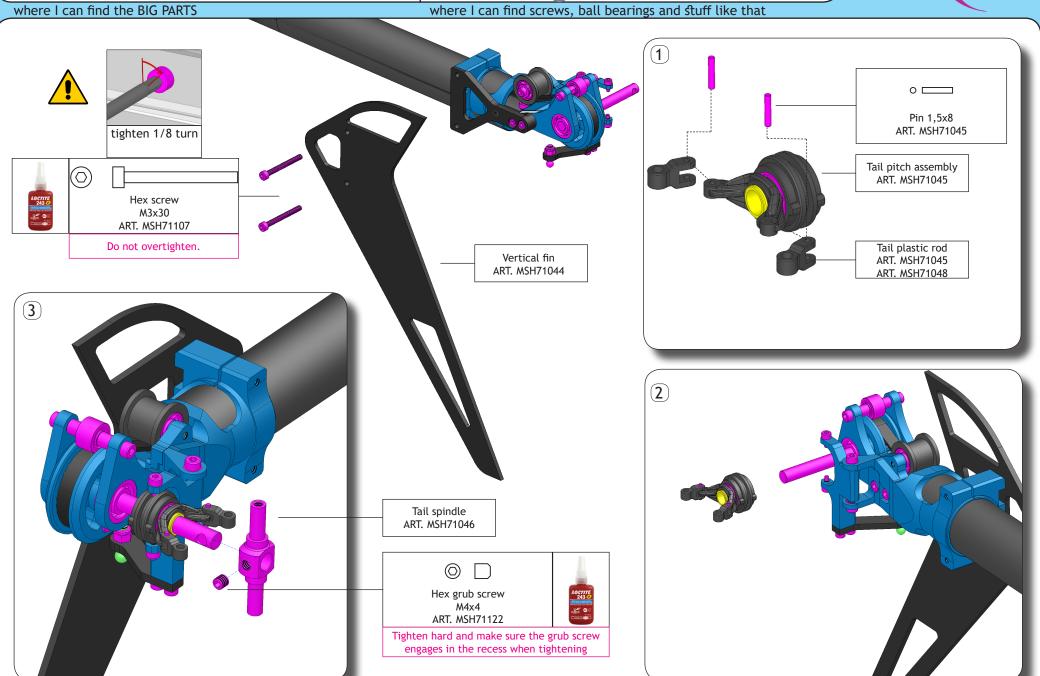










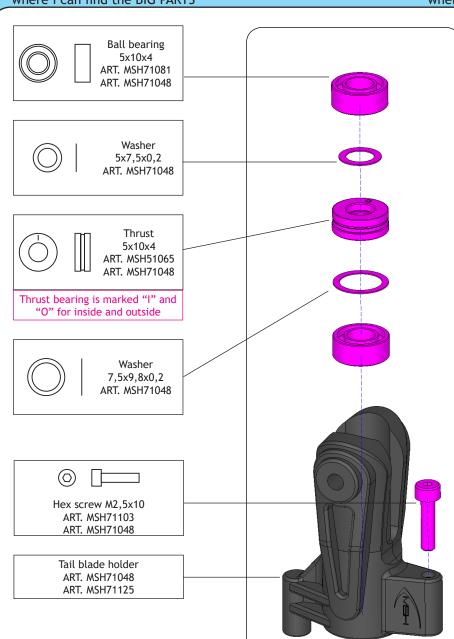


box F bag C + C2



where I can find the BIG PARTS

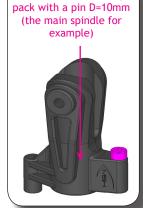
where I can find screws, ball bearings and stuff like that



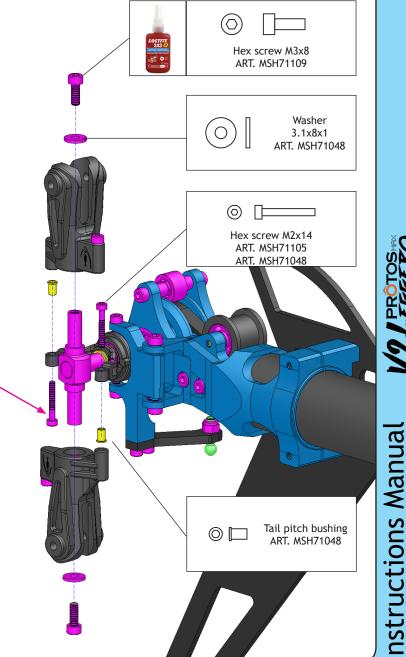




VERY IMPORTANT
Do not overtighten.



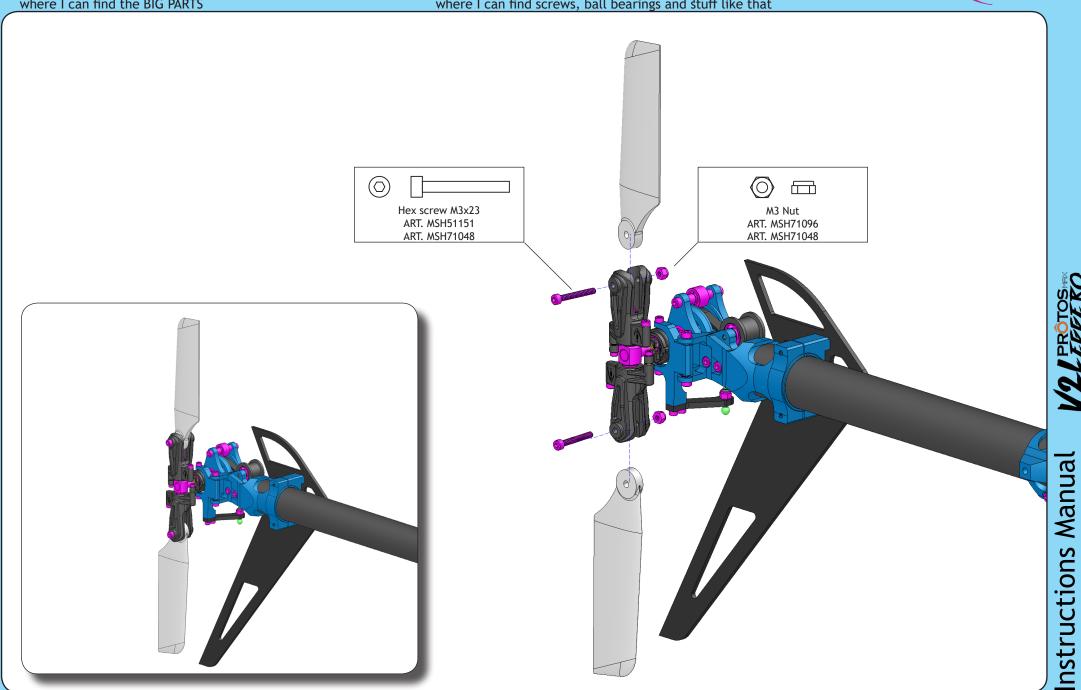
Push hard the bearing



box F bag C2 where I can find screws, ball bearings and stuff like that



where I can find the BIG PARTS

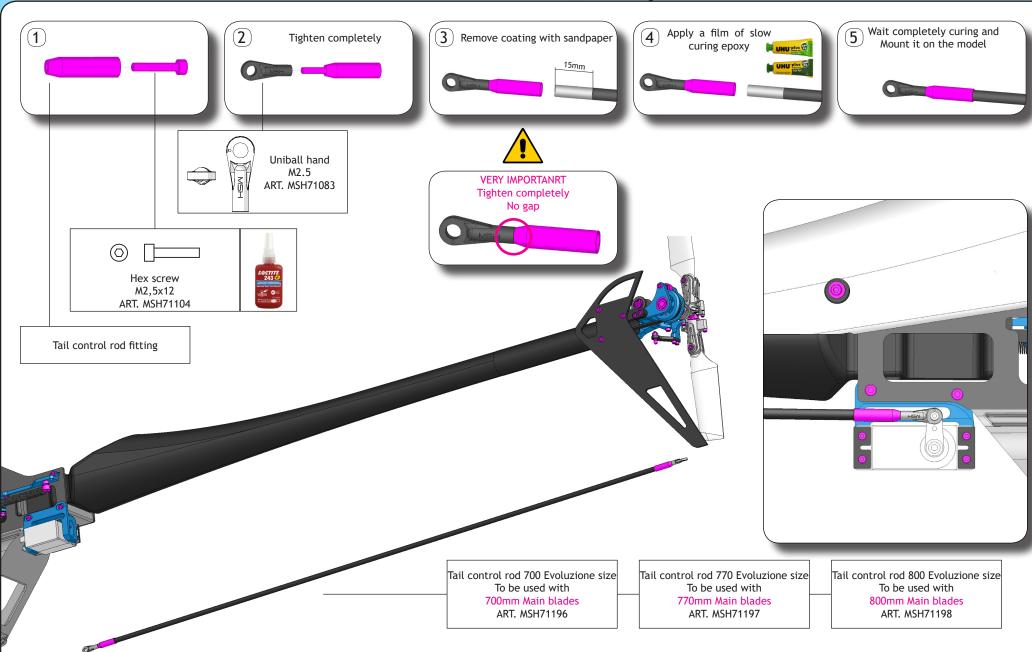


box F bag C3

MSH

where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that

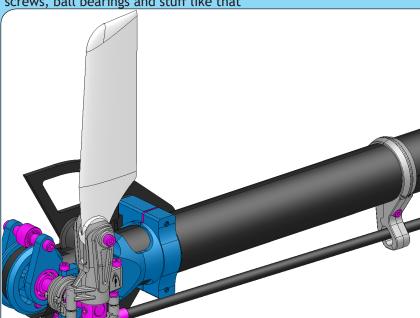








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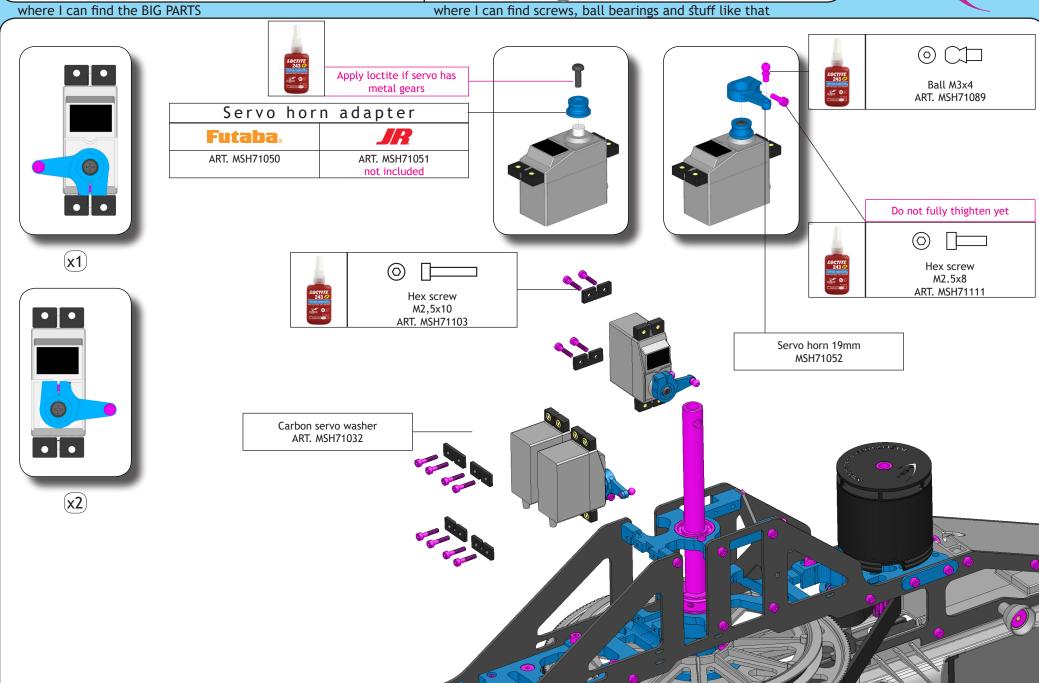




box F bag D+D1



where I can find the BIG PARTS



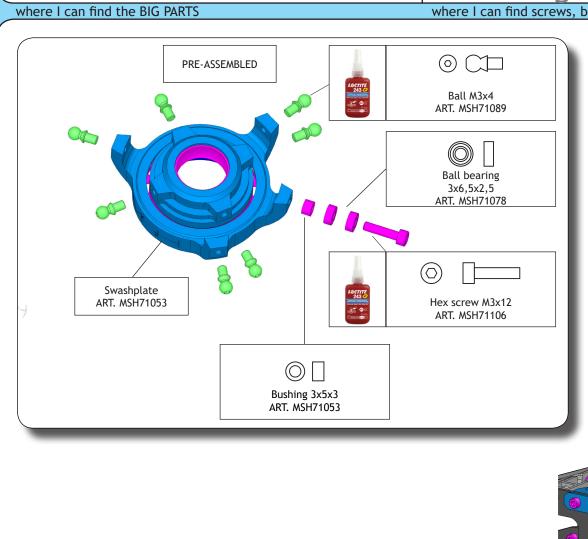
box C

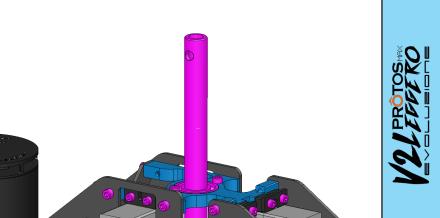
box F bag E1



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where I can find screws, ball bearings and stuff like that





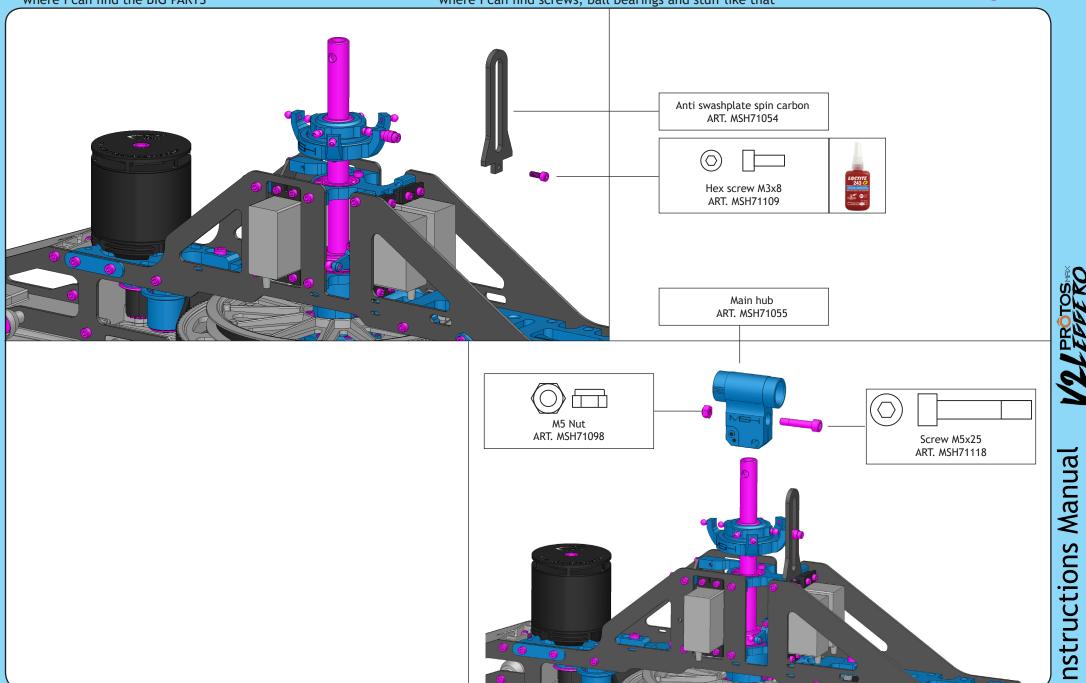
box C

box F bag E+E1



where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that

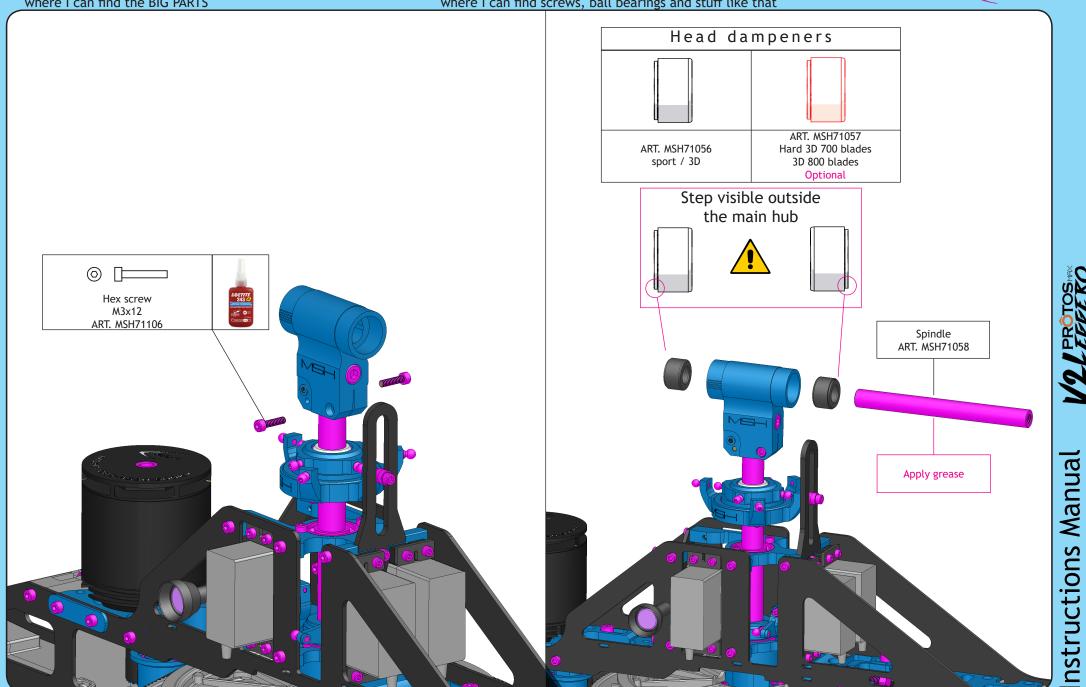


box

box F bag E+E1 where I can find screws, ball bearings and stuff like that



where I can find the BIG PARTS

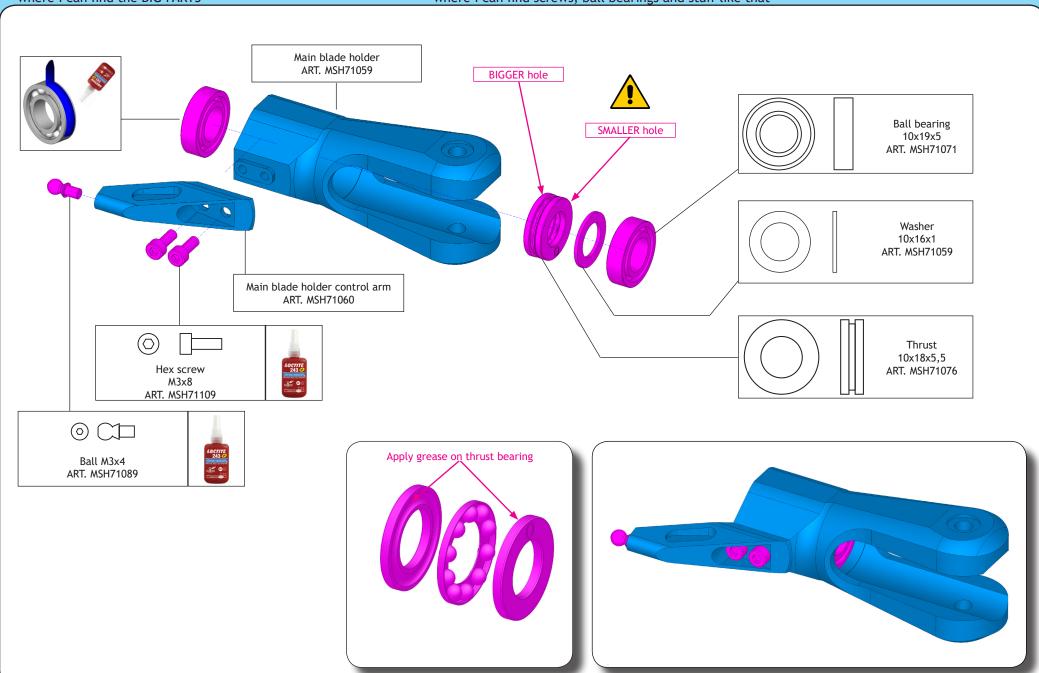


box F bag E1

MSH

where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that

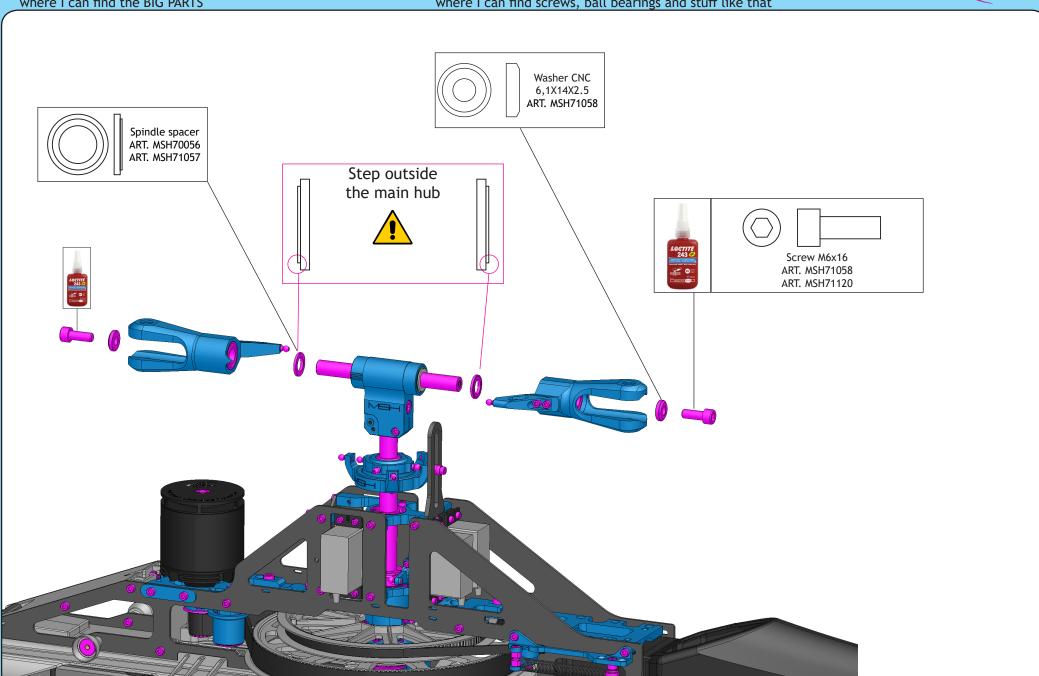


box F bag E1



where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that



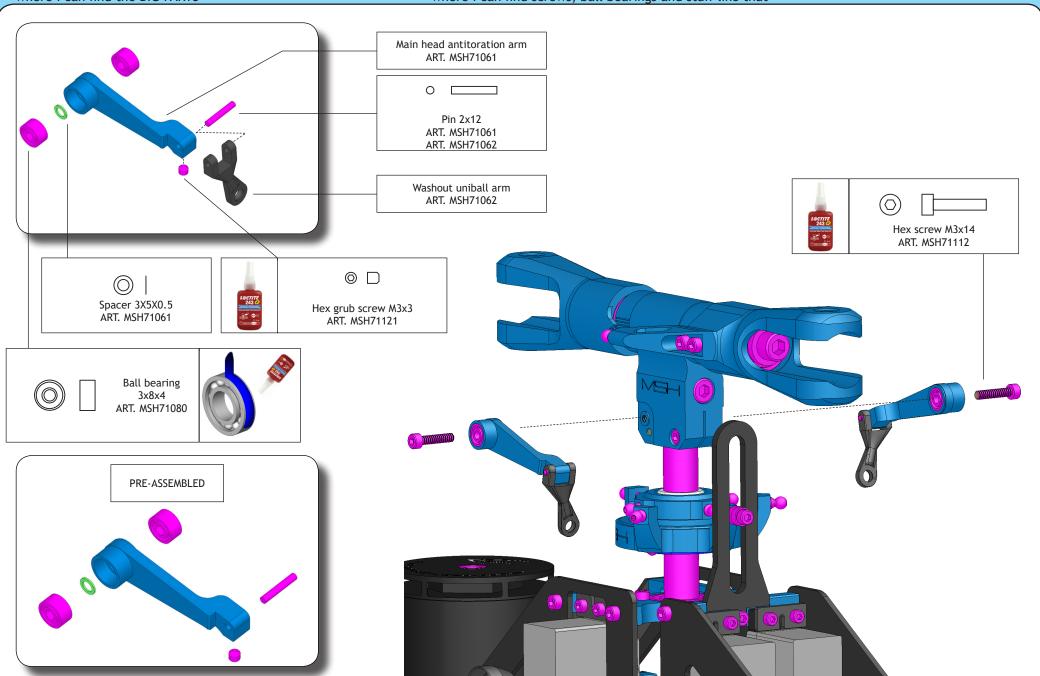
box C

box F bag E1



where I can find the BIG PARTS

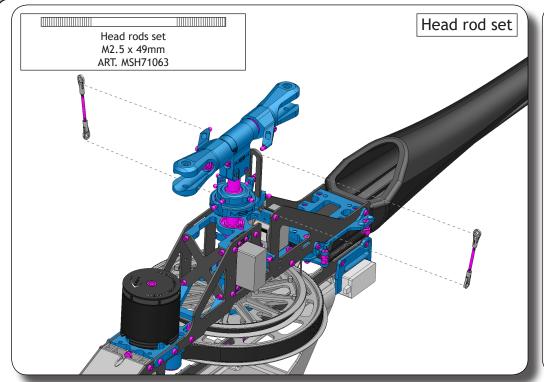
where I can find screws, ball bearings and stuff like that

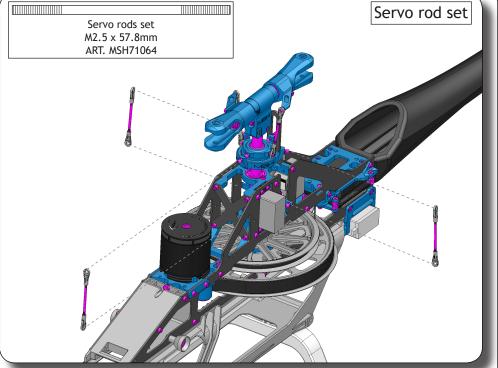




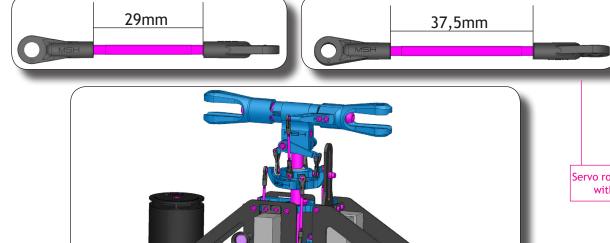
where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that









Uniball hand M2.5 ART. MSH71083

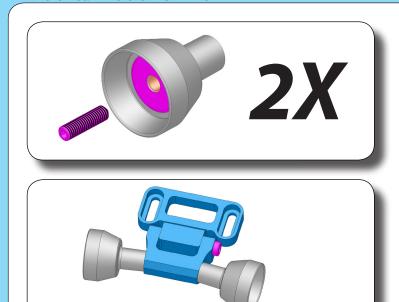
Servo rod lenght may differ slightly with different servo brand

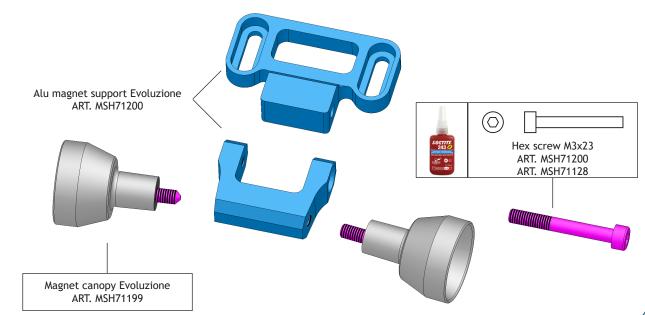
box F bag A1

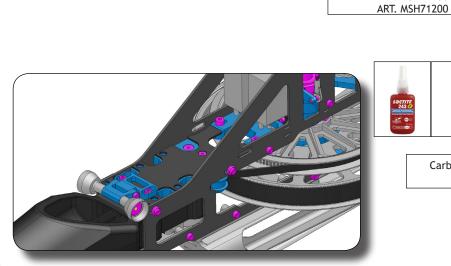
MSH

where I can find the BIG PARTS

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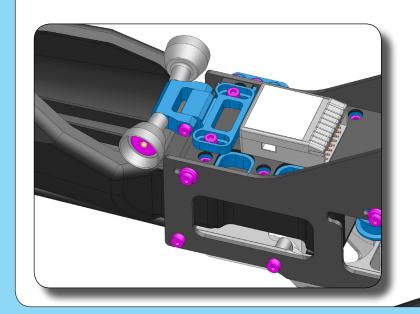


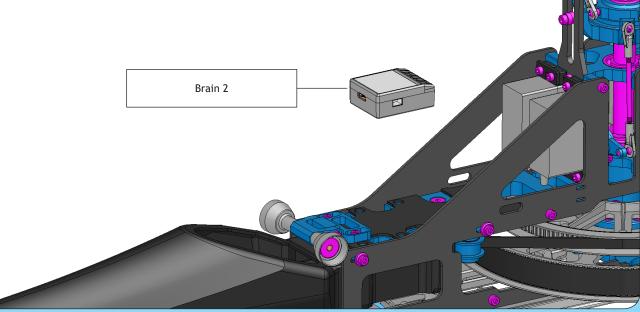


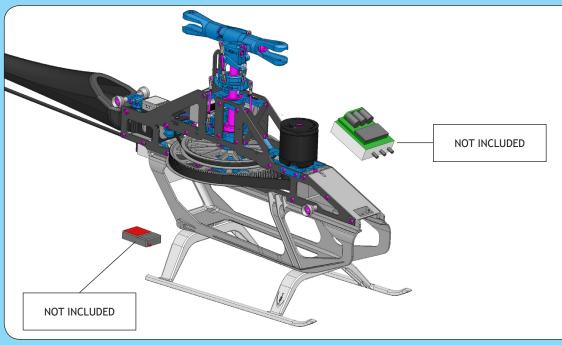
Hex screw M3x12 ART. MSH71106

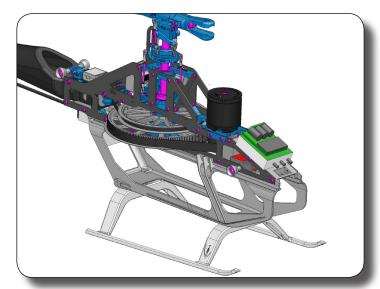


where I can find the BIG PARTS







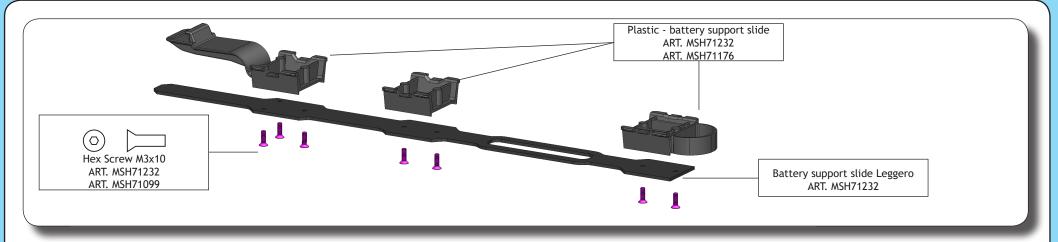


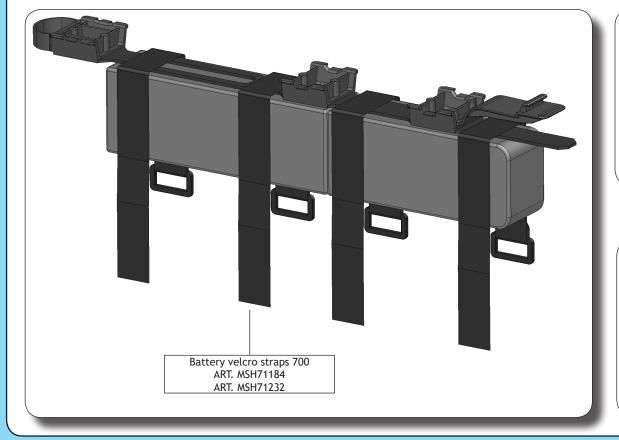
box F bag B1

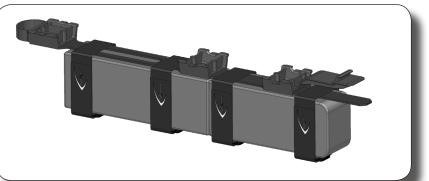
MSH

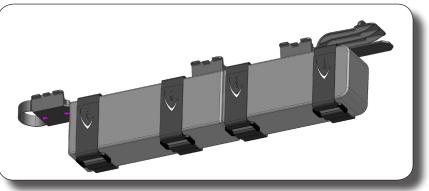
where I can find the BIG PARTS

where I can find screws, ball bearings and stuff like that

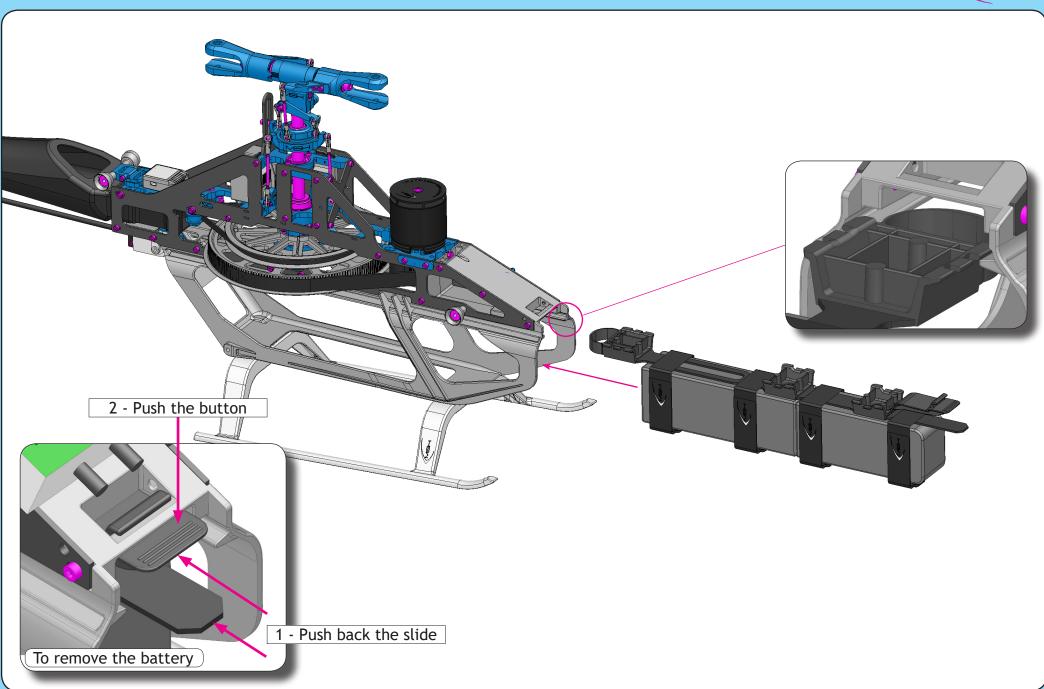


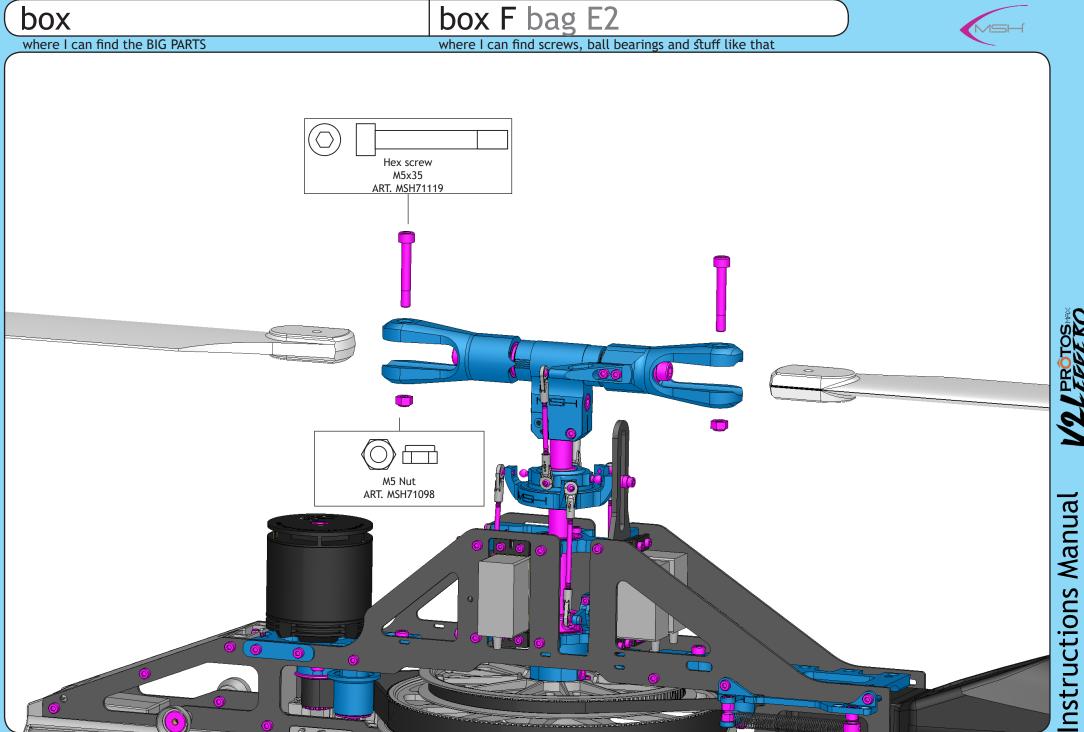




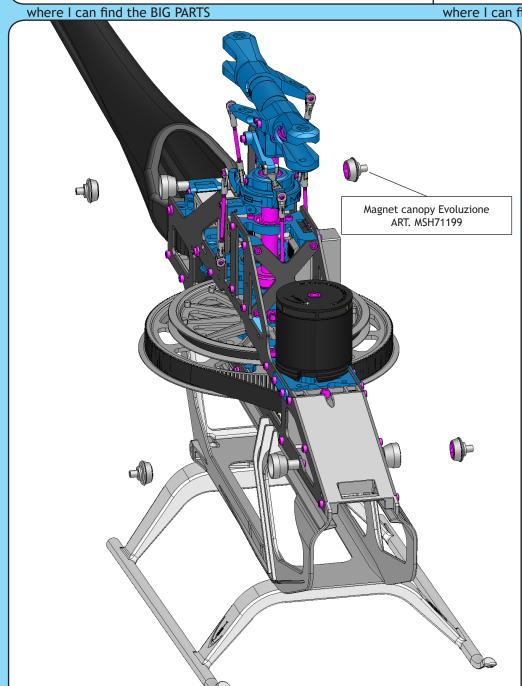


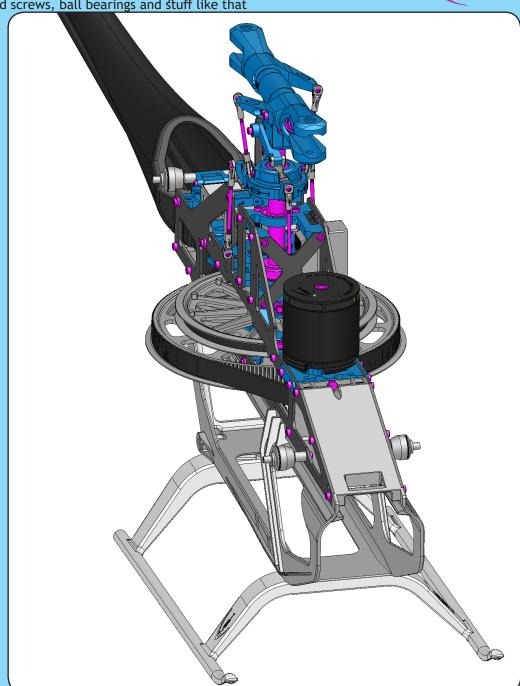






box F bag A1 where I can find screws, ball bearings and stuff like that

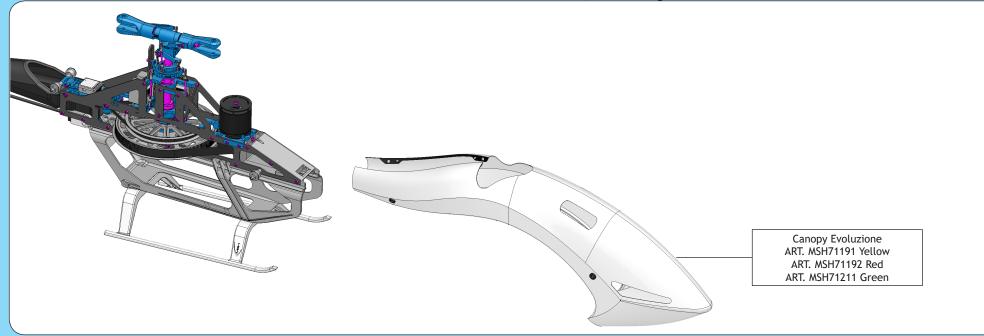






box F bag A1 where I can find screws, ball bearings and stuff like that

where I can find the BIG PARTS



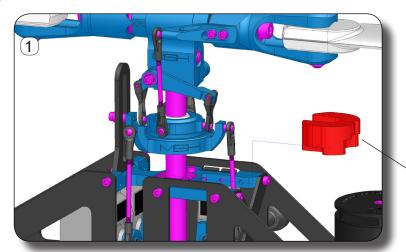


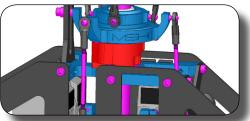




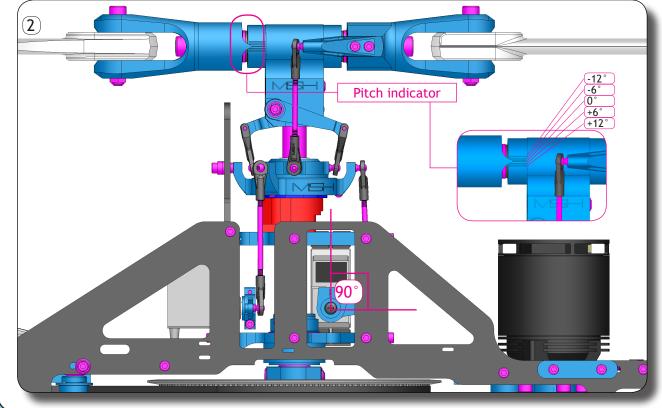
where I can find screws, ball bearings and stuff like that

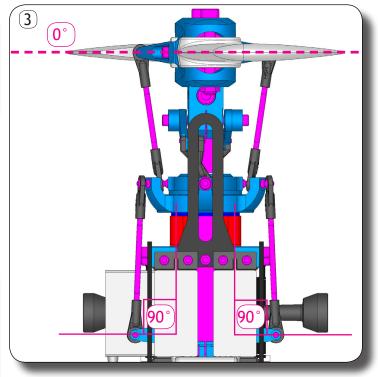




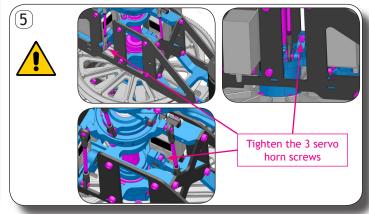


Main and tail blades pitch checker ART. MSH71126



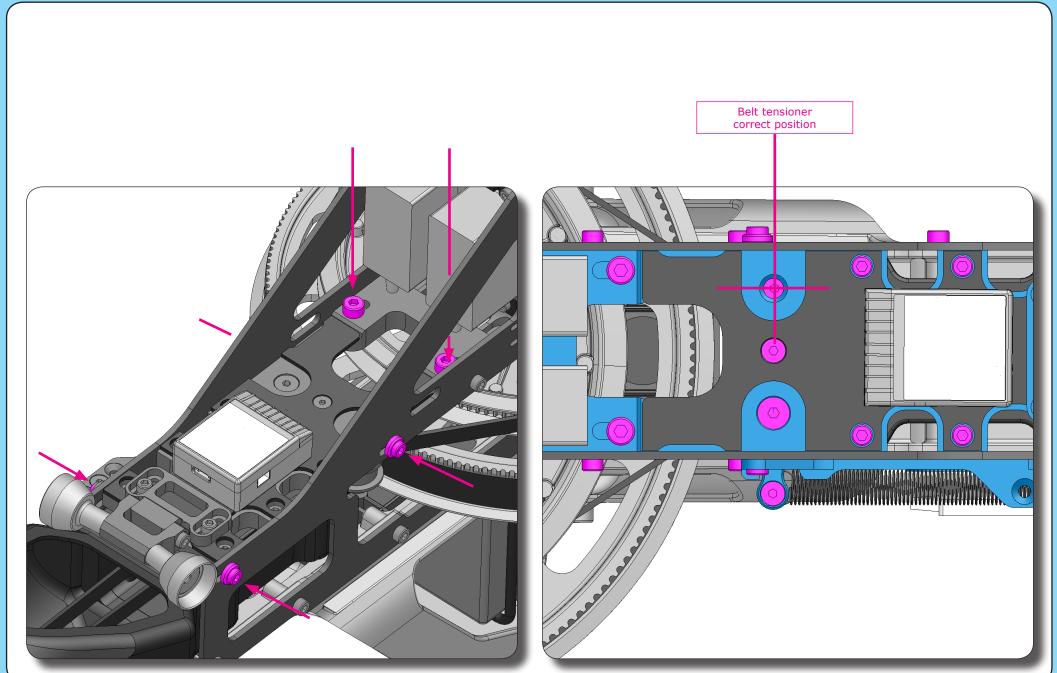


Set transmitter and Brain to 0°



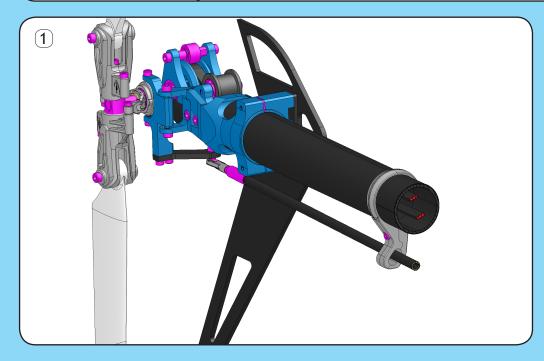


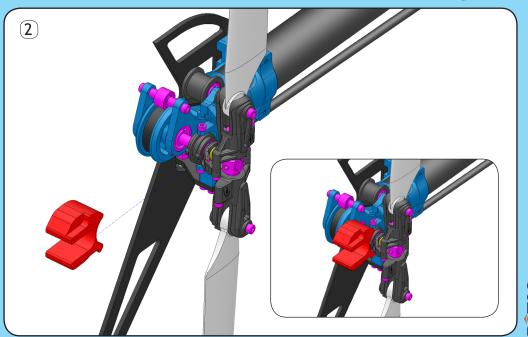


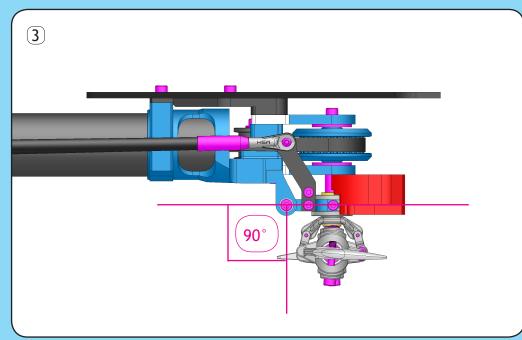


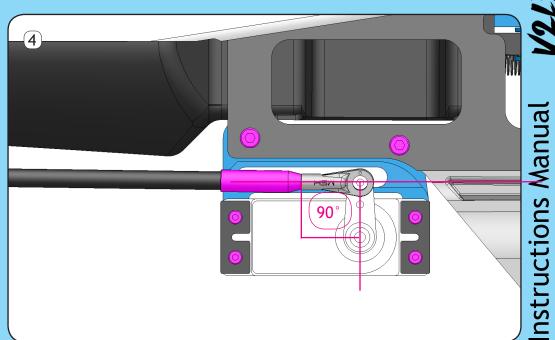
tail blades pitch check



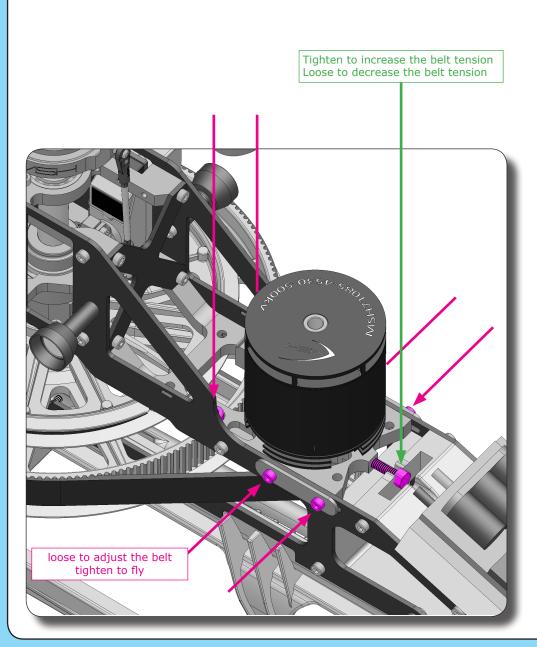












MSH71051	Servo horn adapter JR (2x)
MSH71057	Head dampeners 3D (red)
MSH71212	Vertical fin sticker - Neon Green
MSH71168	Guide pulley - 10mm - Metal
MSH71172	Landing gear - Gorilla Gear
MSH71173	Landing gear White - Gorilla Gear
MSH71177	Power Bus Protos Max V2 Sticker included
MSH71226	Pinion 18T V2 r2 Alu
MSH71227	Pinion 19T V2 r2 Alu
MSH71229	Pinion 21T V2 r2 Alu
MSH71230	Pinion 22T V2 r2 Alu
MSH71231	Pinion 23T V2 r2 Alu
MSH71213	Pinion 18T V2 r2 Alu
MSH71214	Pinion 19T V2 r2 Steel
MSH71215	Pinion 20T V2 r2 Steel

MSH71216	Pinion 21T V2 r2 Steel
MSH71217	Pinion 22T V2 r2 Steel
MSH71218	Pinion 23T V2 r2 Steel
MSH71182	Vertical fin sticker - Neon Orange
MSH71183	Vertical fin sticker - Neon Yellow
MSH71212	Vertical fin sticker - Neon Green
MSH71222	Pre-spaced stickers EVO - Red
MSH71221	Pre spaced stickers EVO - Yellow
MSH71223	Pre-spaced stickers EVO - Green



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