FURY 57

600 SIZE 3D HELI

Manual

ASSEMBLY & MAINTENANCE

X-cell

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INFORMATION

Kit Introduction

Thank you for purchasing the X-Cell Fury 57 by Miniature Aircraft.
This model is the culmination of years of designing and manufacturing R/C helicopters. It is designed with the highest standards and will provide years of enjoyment. Whether this is your first R/C model helicopter or you are an advanced R/C helicopter modeler, the X-Cell Fury 57 is a fantastic choice for a "57 size" model.

RC Helicopter Safety

A radio controlled model helicopter is not a toy, but rather a technically complex device that must be built and operated with care. It is also a fascinating and challenging part of the R/C sport, the mastery of which is very rewarding. A model helicopter must be built exactly in accordance with the building instructions. The kit manufacturer has spent much time and effort refining his product to make it reliable in operation and easy to build. The essentially bolt together construction can proceed quite rapidly, giving the builder a strong sense of accomplishment that encourages hasty progress from one construction phase to the next, so that the completed model can be more quickly seen and enjoyed. It is essential to recognize and guard against this tendency.
Follow building instructions exactly.
Vibration and stress levels are high and all fasteners and attachments must be secure for safe operation.

Note that this is the first use of the word SAFETY in these comments. Previously the kit manufacturer's efforts to ensure reliable operation were mentioned. That is ALL that he can do. Safe operation is the responsibility of the builder/flyer and starts with careful construction and continues with selection and installation of reliable radio equipment and engine.

The need for safety is nowhere greater than at the flying field. A number of guidelines for safe flight have been developed by experienced flyers and are set down here. It is urged that they be read, understood and followed.

Warning! – Risk of Death or Serious Injury

Remote Control ("R/C") Helicopters can be dangerous. Inexperienced pilots of R/C Helicopters should be trained and supervised by experienced operators. All operators should use safety glasses and other appropriate safety equipment, and exercise necessary precautions when fueling, repairing, maintaining, flying and storing R/C Helicopters, and when using or storing R/C Helicopter accessories, equipment, fuels, and related materials. R/C Helicopters should be used only in open areas free of obstacles, and far enough from people to minimize the possibility of injury from the helicopter or any of its components falling or flying in unexpected directions.

This helicopter is not a toy, but a complex flying machine that must be assembled with care by a responsible individual. Failure to exert care in assembly, or radio or accessory installation, may result in a model incapable of safe flight or ground operation. Rotating components are an ever present danger and source of injury to operators and spectators. Since the manufacturer and his agents have no control over the proper assembly and operation of his products, no responsibility or liability can be assumed for their use.

General Guidelines for Safe RC Helicopter Flight

- Fly only at approved flying fields and obey field regulations.
- Follow frequency control procedures. Interference can be dangerous to all.
- Know your radio. Check all transmitter functions before each flight.
- Be aware that rotating blades are very dangerous and can cause serious injury.
- Never fly near or above spectators or other modelers.
- If you're a beginner, get help trimming the model first and flight training later.
- Don't "track" the main blades by holding the tail boom. This is a temptation to builders who cannot hover yet and is very dangerous.
- Follow all recommended maintenance procedures for model, radio and engine.

INFORMATION

Academy of Model Aeronautics

Miniature Aircraft highly recommends joining the Academy of Model Aeronautics (AMA).

- AMA is the Academy of Model Aeronautics.
- AMA is the world's largest model aviation association, representing a membership of more than 150,000 from every walk of life, income level and age group.
- AMA is a self-supporting, non-profit organization whose purpose is to promote development of model aviation as a recognized sport and worthwhile recreation activity.
- AMA is an organization open to anyone interested in model aviation.
- AMA is the official national body for model aviation in the United States. AMA sanctions more than a thousand model competitions throughout the country each year, and certifies official model flying records on a national and international level.
- AMA is the organizer of the annual National Aeromodeling Championships, the world's largest model airplane competition.
- AMA is the chartering organization for more than 2,500 model airplane clubs across the country. AMA offers its chartered clubs official contest sanction, insurance, and assistance in getting and keeping flying sites.
- AMA is the voice of its membership, providing liaison with the Federal Aviation Administration, the Federal Communications Commission, and other government agencies through our national headquarters in Muncie, Indiana. AMA also works with local governments, zoning boards, and parks departments to promote the interests of local chartered clubs.
- AMA is an associate member of the National Aeronautic Association. Through NAA, AMA is recognized by the Fédération Aéronautique Internationale (FAI), the world governing body of all aviation activity, as the only organization which may direct U.S. participation in international aeromodeling activities.

For more detailed information, contact the Academy of Model Aeronautics
5161 E. Memorial Drive, Muncie, Indiana, 47302
or telephone (800) 435-9262.
You may also visit the AMA website at www.modelaircraft.org

Kit Assemmbly

Your Fury 57 kit will require a number off different dupplies and tools to ensure the best final result. They are as follows:

Required Lubricants and Compounds:

- Medium Strength Thread Locking Compound – Loctite 243
- Synthetic Oil (MA3200-12)
- Synthetic Grease (MA3200-11)

Required Tools:

- m4 Nut Driver
- m5 Nut Driver
- m5.5 Nut Driver
- m7 Nut Driver
- 1.5mm Allen Driver
- 2.0mm Allen Driver
- 2.5mm Allen Driver
- 3.0mm Allen Driver
- Needle Nose Pliers
- Phillips Screwdriver #1
- Flat Screwdriver 2.5mm
- Razor Knife (X-acto)
- Snap Ring Pliers

Optional Tools:

- Swashplate Leveling Tool (MA3000-10)
- Pitch Gauge
- Crankshaft Locking Tool (MA3000-34)

INFORMATION

Other Required Components:

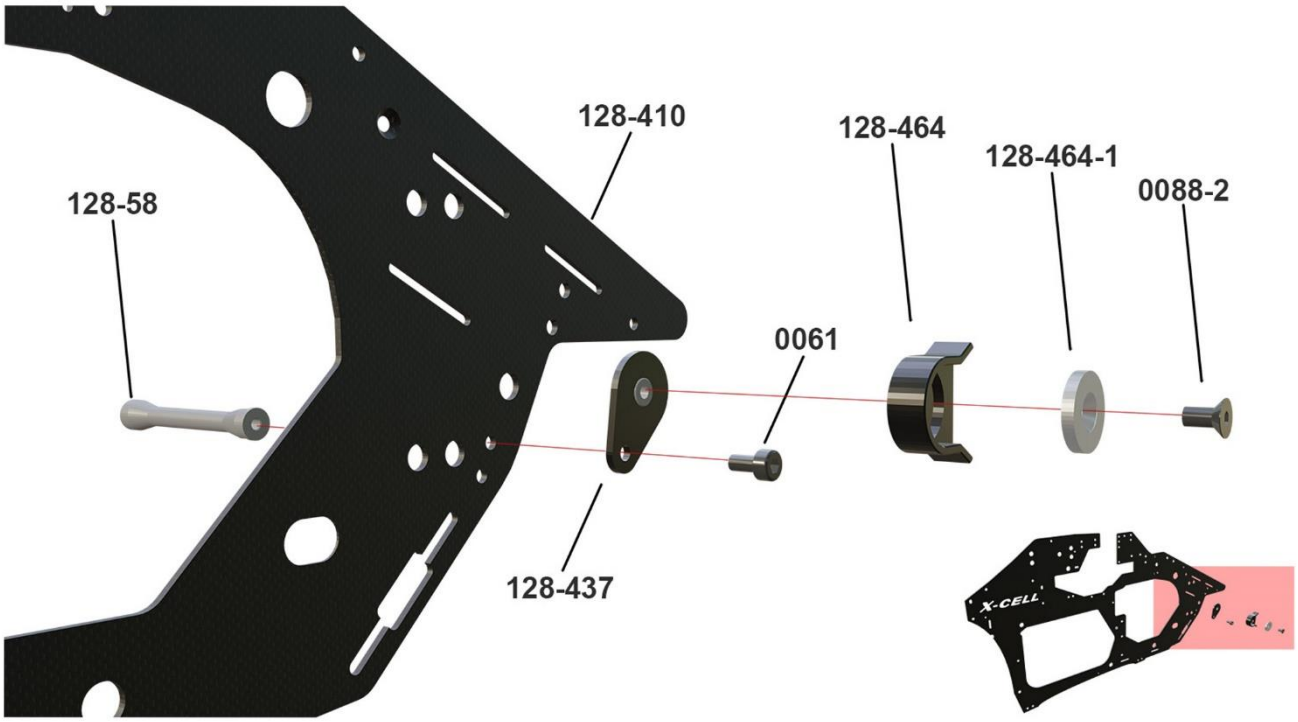
The X-Cell Fury 57 is an airframe kit. To complete the model, several other items are required but are not included with the kit. There are many choices for these other required components, and any competent hobby retailer with RC helicopter experience will be happy to make suggestions. You will need:

- Engine, "50" to "60"size. There are various sizes available that are considered "50", "55", "57" or "60" size, all will work in the Fury 57 ("60" only if it has a mounting pattern like a 55).
- Helicopter style muffler suited to the engine you choose.
- Cyclic servos (Miniature Aircraft recommends high quality cyclic servos).
- Tail servo (Miniature Aircraft recommends high quality tail servo)
- Throttle servo (Miniature Aircraft recommends a high quality ball bearing servo)
- Main rotor blades of 570-620mm in length.
- R/C helicopter transmitter with at least 7 channels.
- R/C helicopter FBL Gyro
- R/C helicopter starting and fueling equipment.
- R/C helicopter engine governor with magnetic sensor (recommended).
- Tail Blades 95 to 97mm in length

Important Assembly Tips

PEASE READ

- Follow the instructions. The methods of construction documented in this manual have been proven to work.
- Do not rush the build of your model! You have purchased a world class model helicopter kit, take your time and realize that the final result is now up to you. Take the time to fully understand each step, if you are unsure please contact Miniature Aircraft.
- Follow the order of assembly. The instructions have been organized into major sections and have been written in such a way that each step builds upon the work done in the previous step. Changing the order of assembly may result in unnecessary steps.
- Clean all metal parts: All of the steel parts in this kit are coated with a lubricant to prevent them from rusting. This coating can interfere with the adhesives and thread locks needed for assembly. Use a solvent such as alcohol to clean the various metal parts, especially threads.
- Use thread lock as indicated. Generally, any bolt or screw that threads into a metal part requires thread lock. Model helicopters are subject to vibration and failing to use thread lock on any non-locking assembly may result in a part becoming loose or falling off.



0061 x 1

M3 x 8mm

0088-2 x 1

M3 x 6mm

Assembly Tip: Align the opening of part 128-464 to the front of the helicopter.

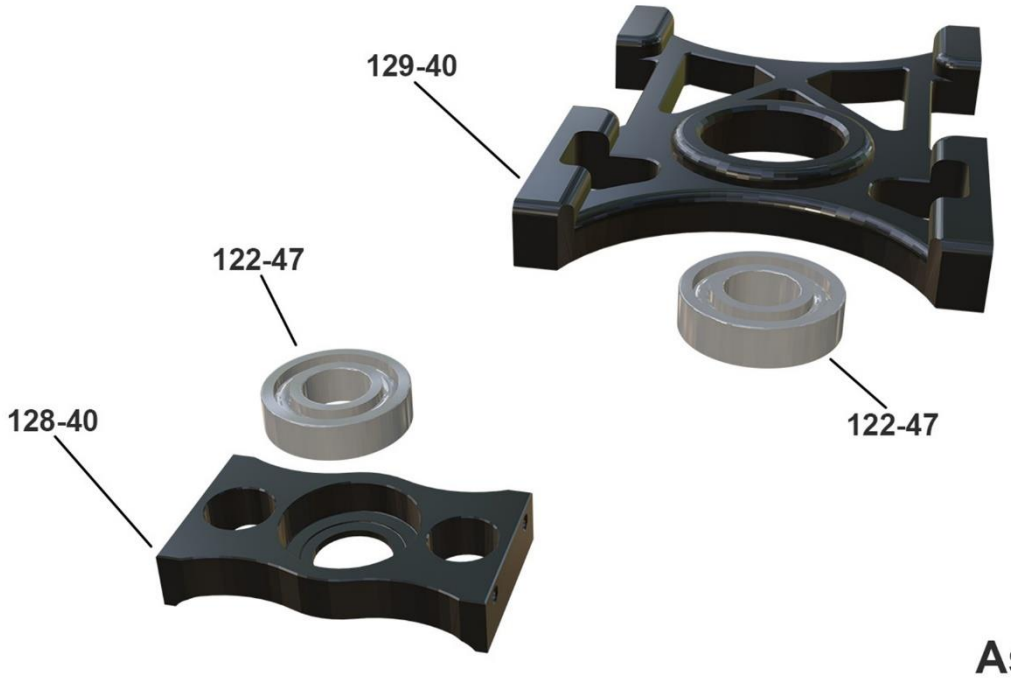
Apply a small amount of medium thread lock when threading into metal parts.

0061 x 2

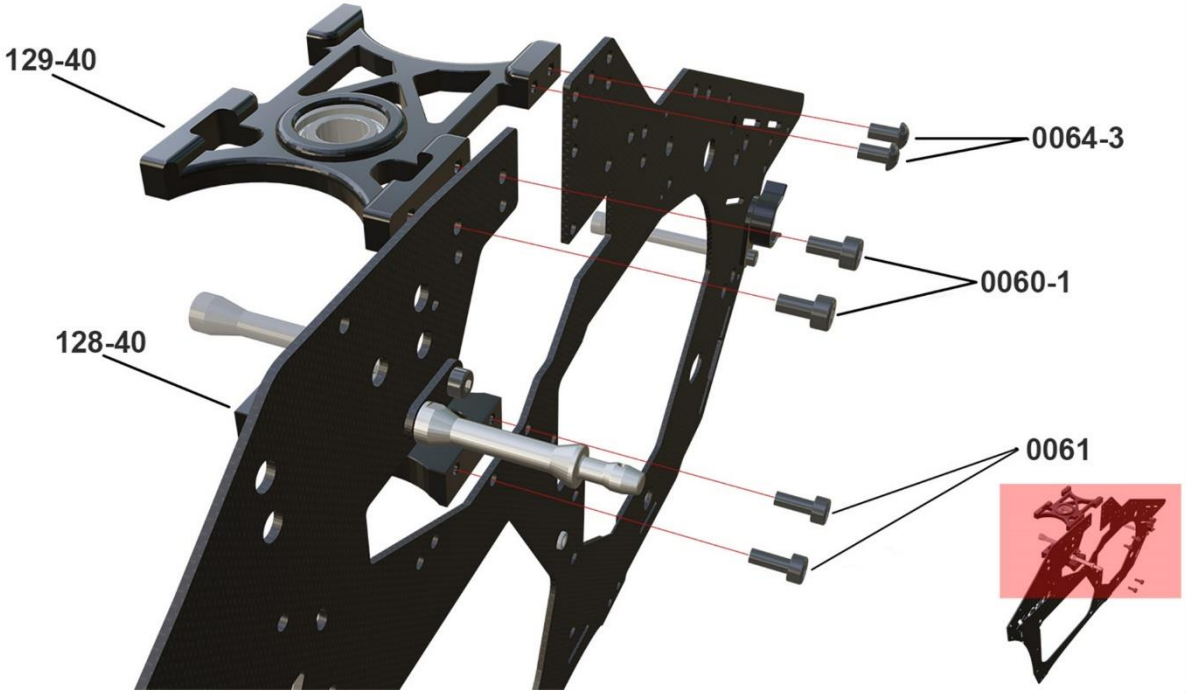
M3 x 8mm

Assembly Tip: Take care about the orientation of the canopy mount 128-461 that the small bore for the splint is correctly positioned that you can insert the splint the way you like it.

Apply a small amount of medium thread lock when threading into metal parts.



Factory Assembled



0061 x 2

M3 x 8mm

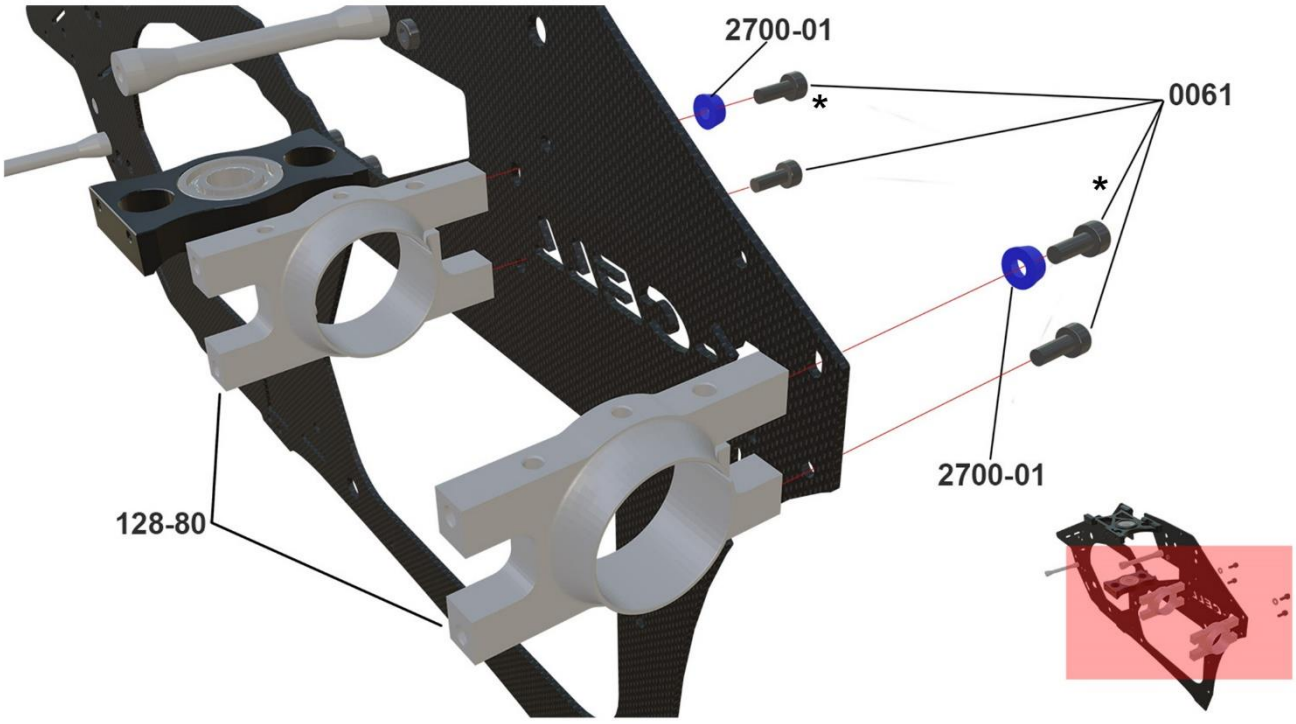
0064-3 x 2

M3 x 6mm

0060-1 x 2

M3 x 6mm

Apply a small amount of medium thread lock when threading into metal parts.



* NOTE: THE TWO UPPER BOLTS ARE NOT TIGHT AT THIS TIME

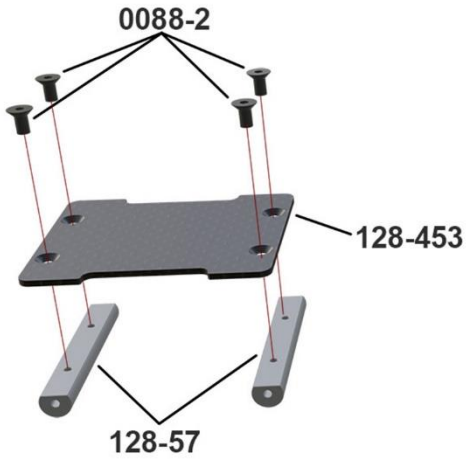
0061 x 4

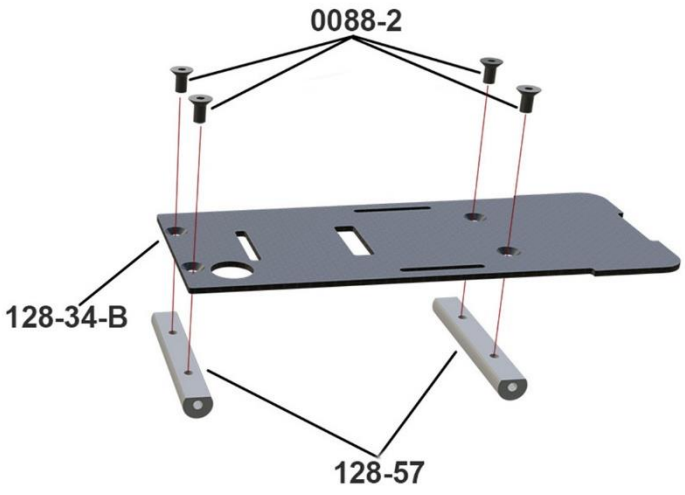
M3 x 8mm

2700-01 x 2

M3 (blue)

Apply a small amount of medium thread lock when threading into metal parts.

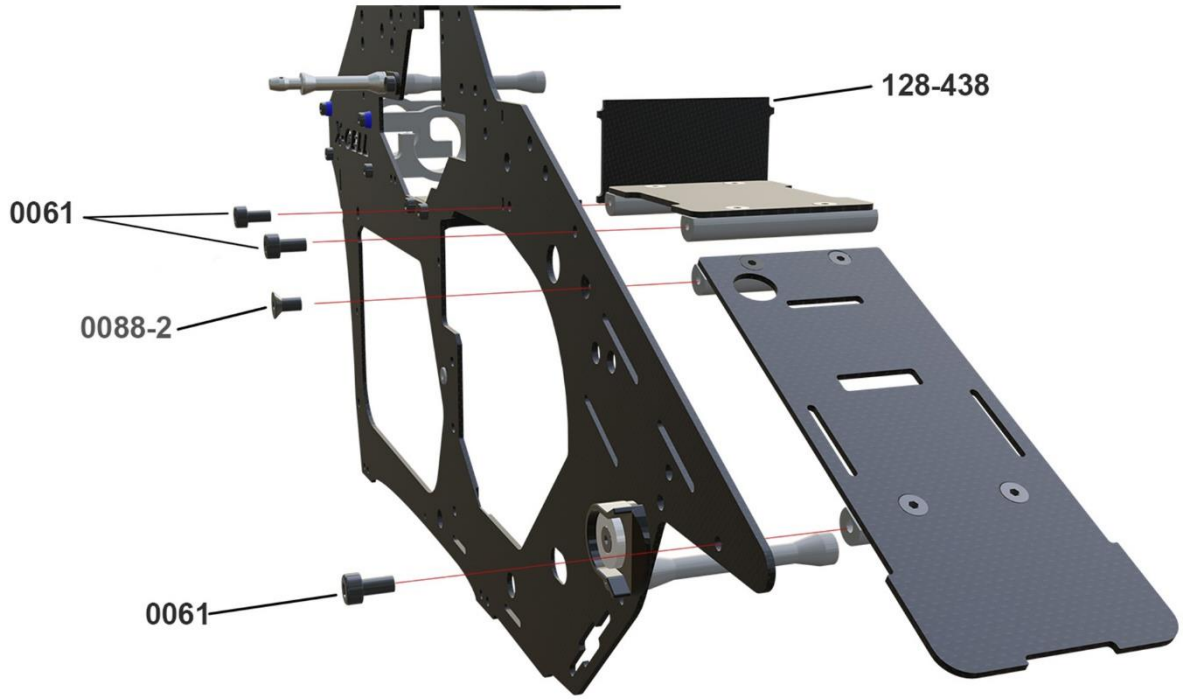




0088-2 x 8

M3 x 6mm

Apply a small amount of medium thread lock when threading into metal parts.



0061 x 3

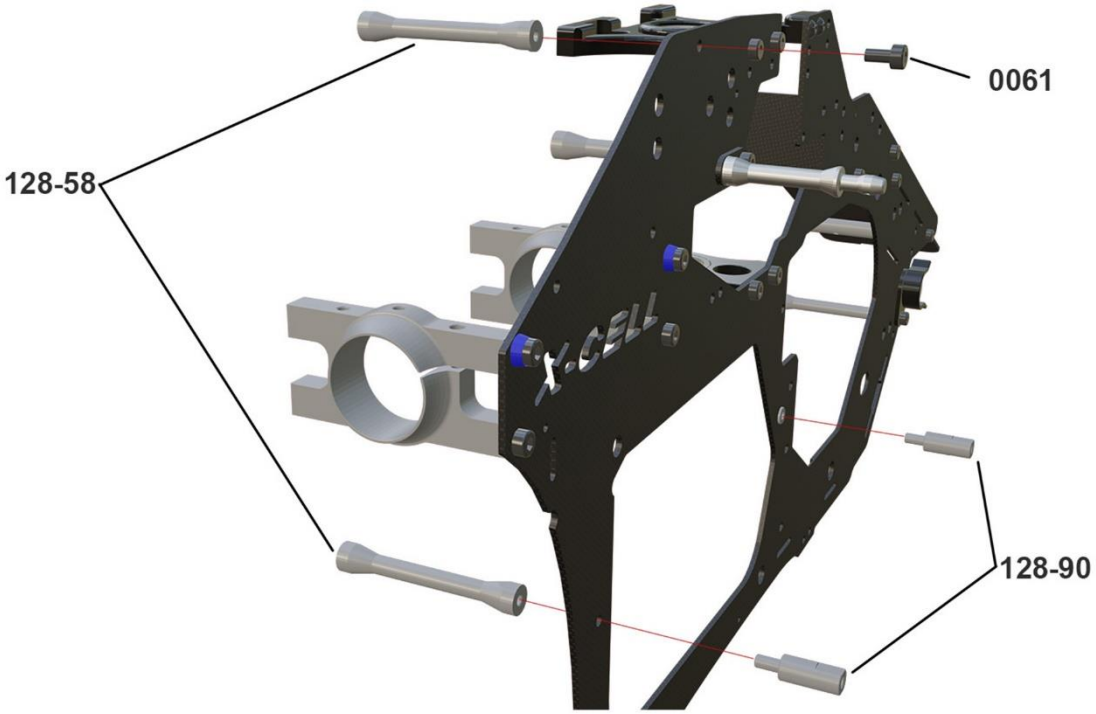
M3 x 8mm

0088-2 x 1

M3 x 6mm

Assembly Tip: The protective plate 128-438 can be installed later when left main frame will be assembled. Use some small amount of silicone to fix the plate at the bores of the main frames.

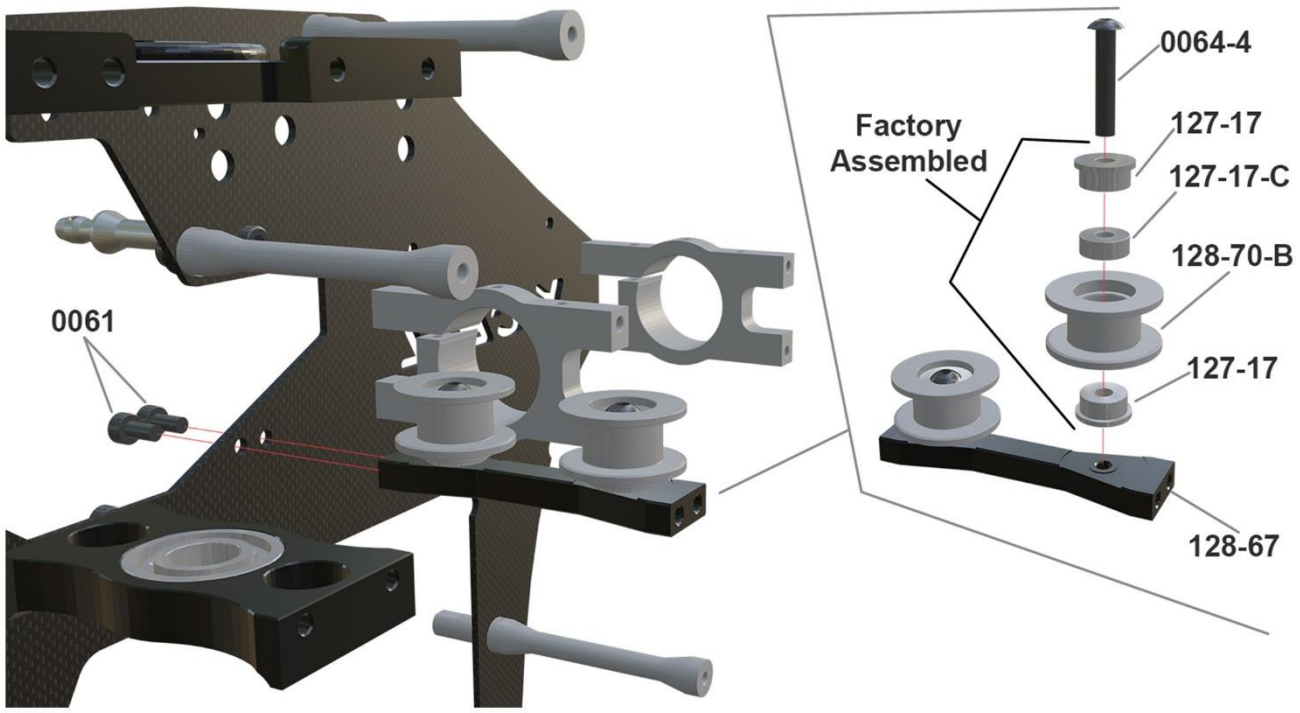
Apply a small amount of medium thread lock when threading into metal parts.



0061 x 1

M3 x 8mm

Apply a small amount of medium thread lock when threading into metal parts.



0061 x 2

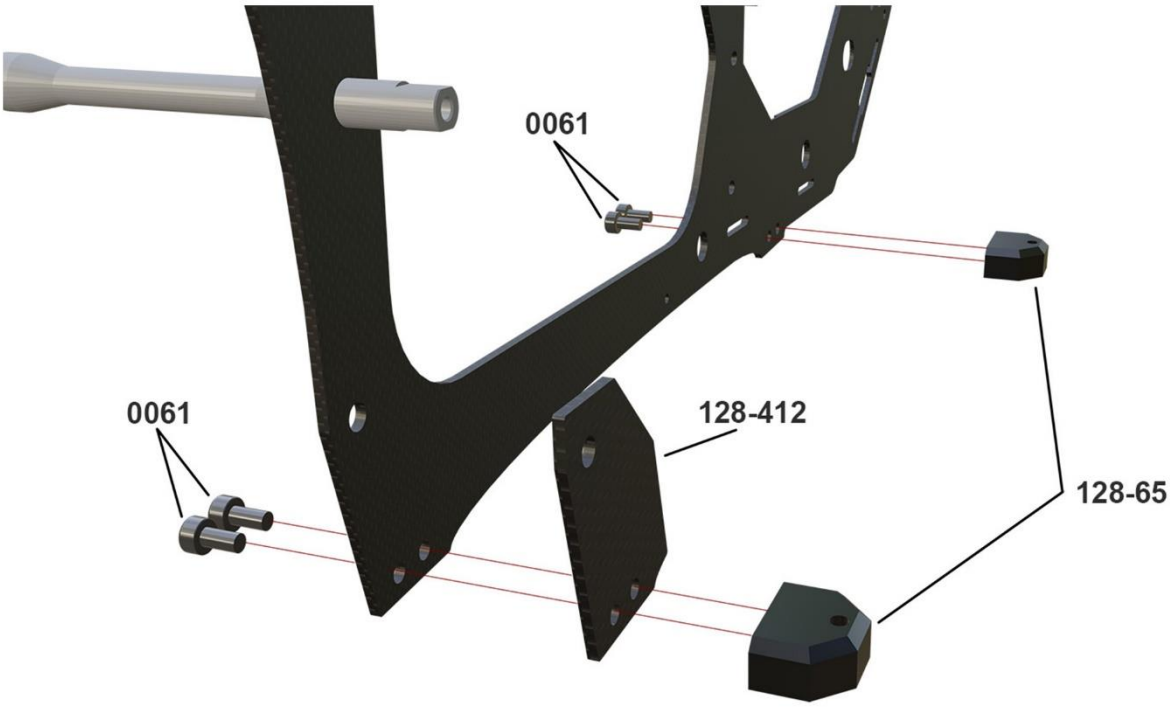
M3 x 8mm

0064-4 x 2

M3 x 16mm

Assembly Tip: Align the the belt idler mount that the belt idlers are parallel to the main shaft.

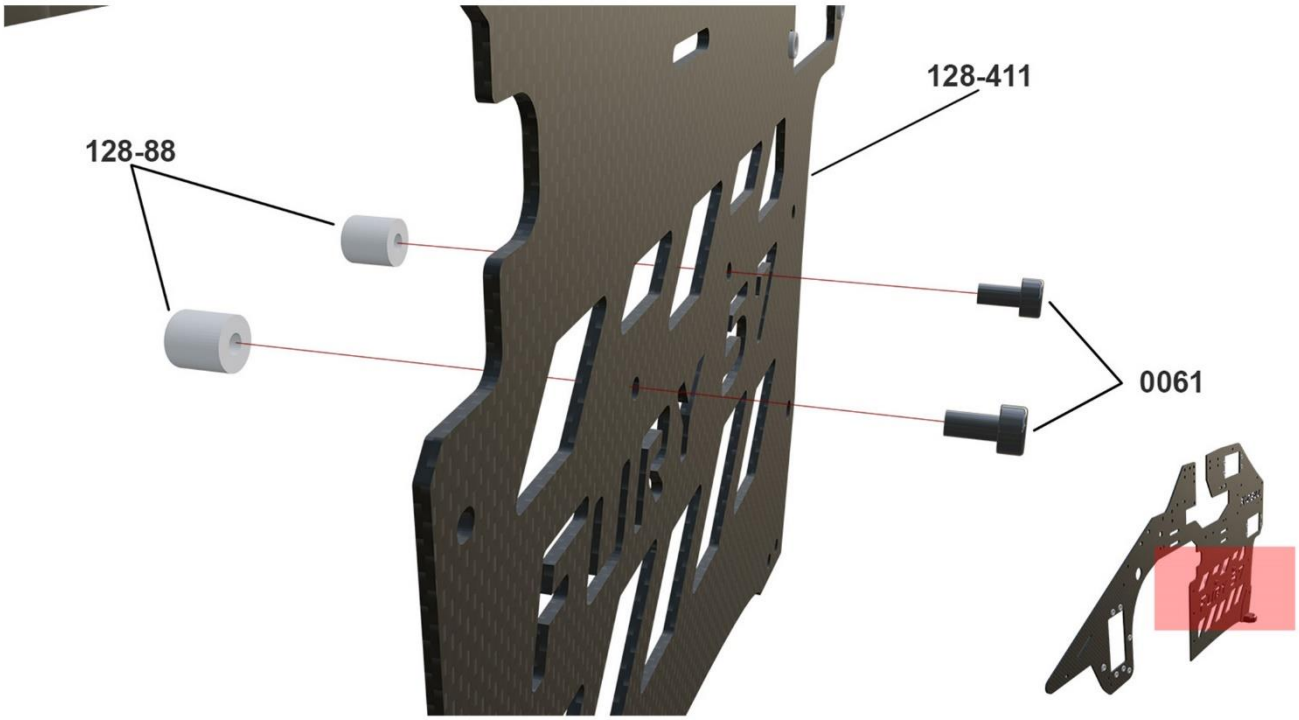
Apply a small amount of medium thread lock when threading into metal parts.



0061 x 4

M3 x 8mm

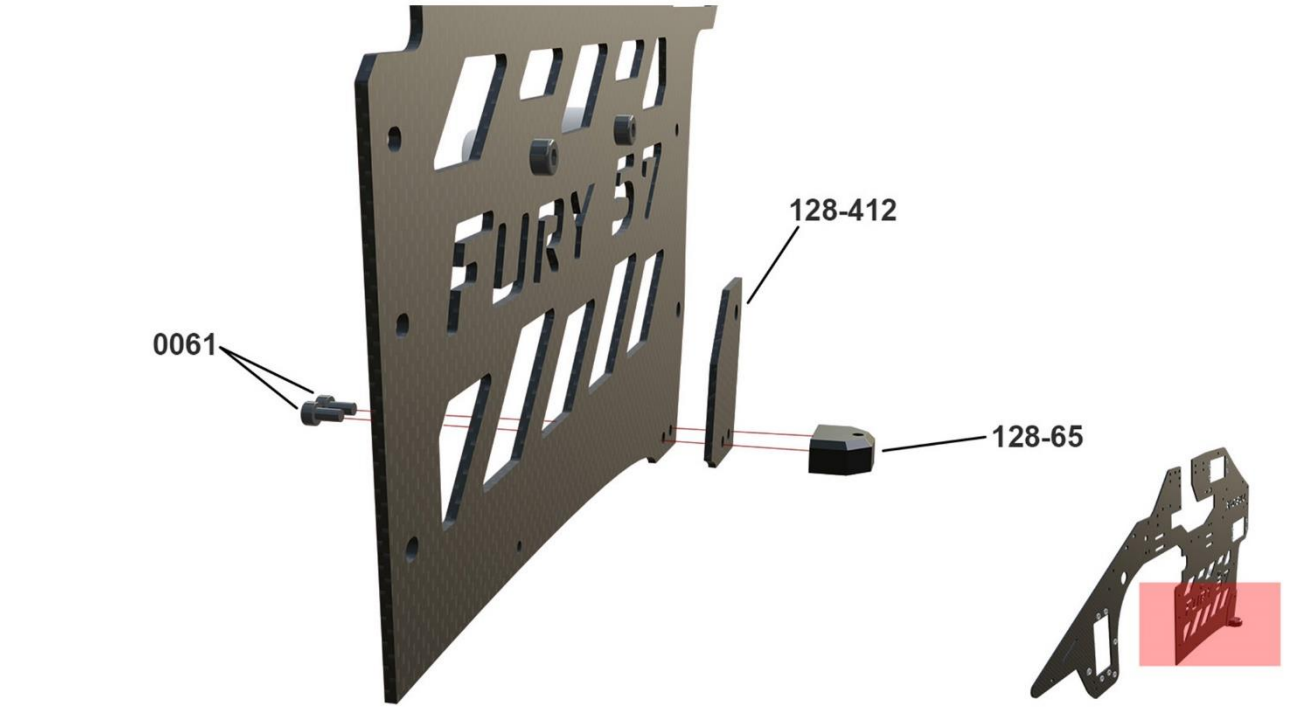
Apply a small amount of medium thread lock when threading into metal parts.



0061 x 2

M3 x 8mm

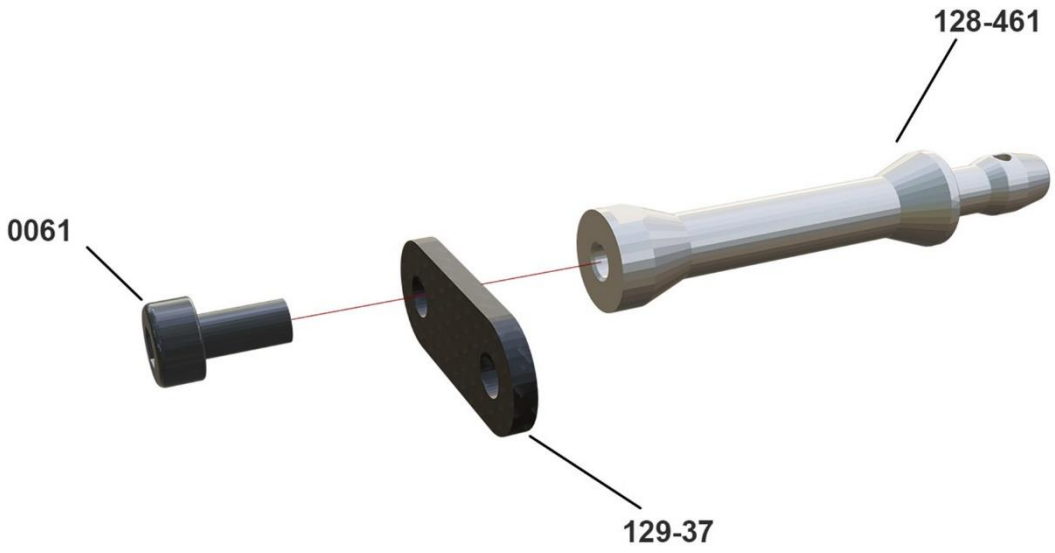
Apply a small amount of medium thread lock when threading into metal parts.



0061 x 2

M3 x 8mm

Apply a small amount of medium thread lock when threading into metal parts.

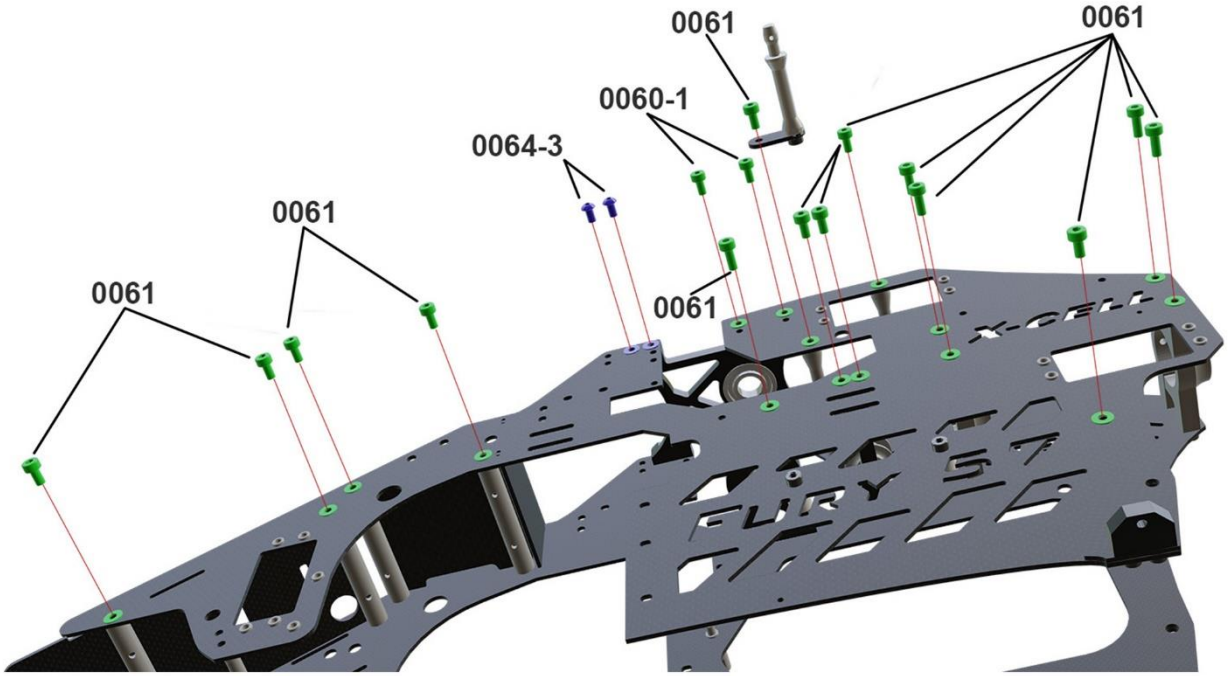


0061 x 1

M3 x 8mm

Assembly Tip: Take care about the orientation of the canopy mount 128-461 that the small bore for the splint is correctly positioned that you can insert the splint the way you like it.

Apply a small amount of medium thread lock when threading into metal parts.



0061 x 14

M3 x 8mm

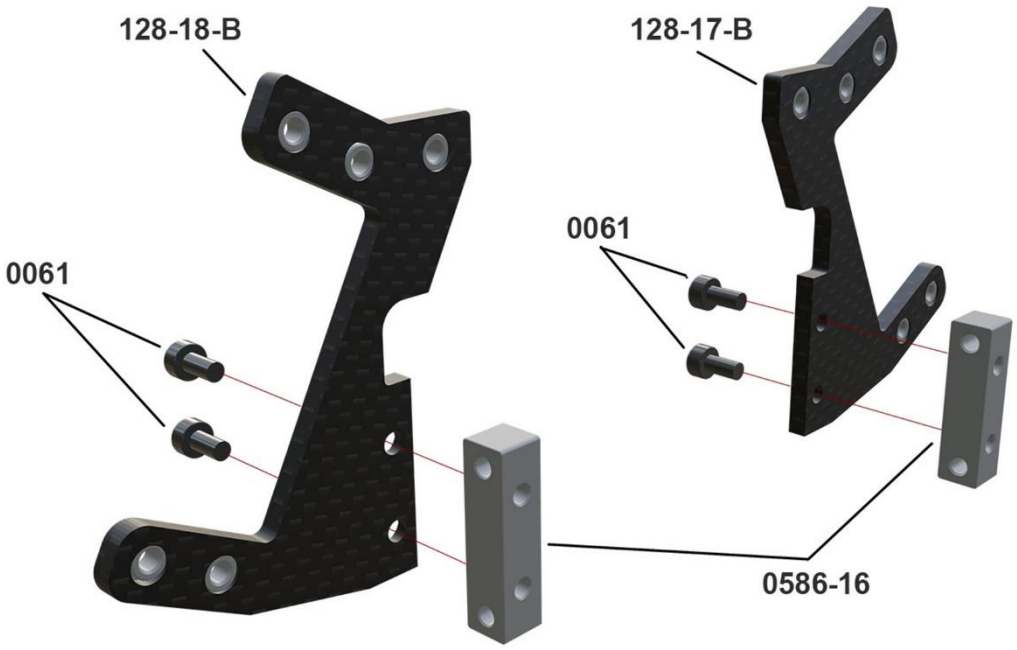
0064-3 x 2

M3 x 6mm

0060-1 x 2

M3 x 6mm

Apply a small amount of medium thread lock when threading into metal parts.

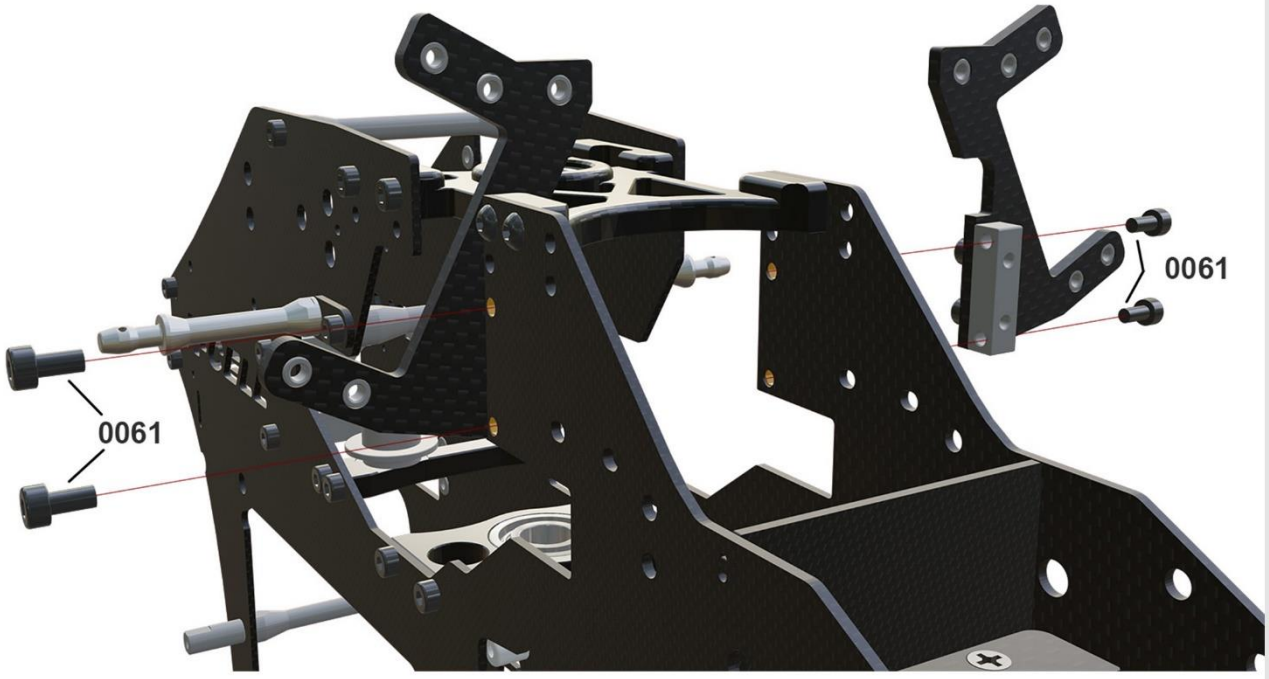


0061 x 4

M3 x 8mm

Assembly Tip: Do not tighten bolts 0061 completely at this step. After installing part 128-316 check alignment of all parts and then tighten all bolts.

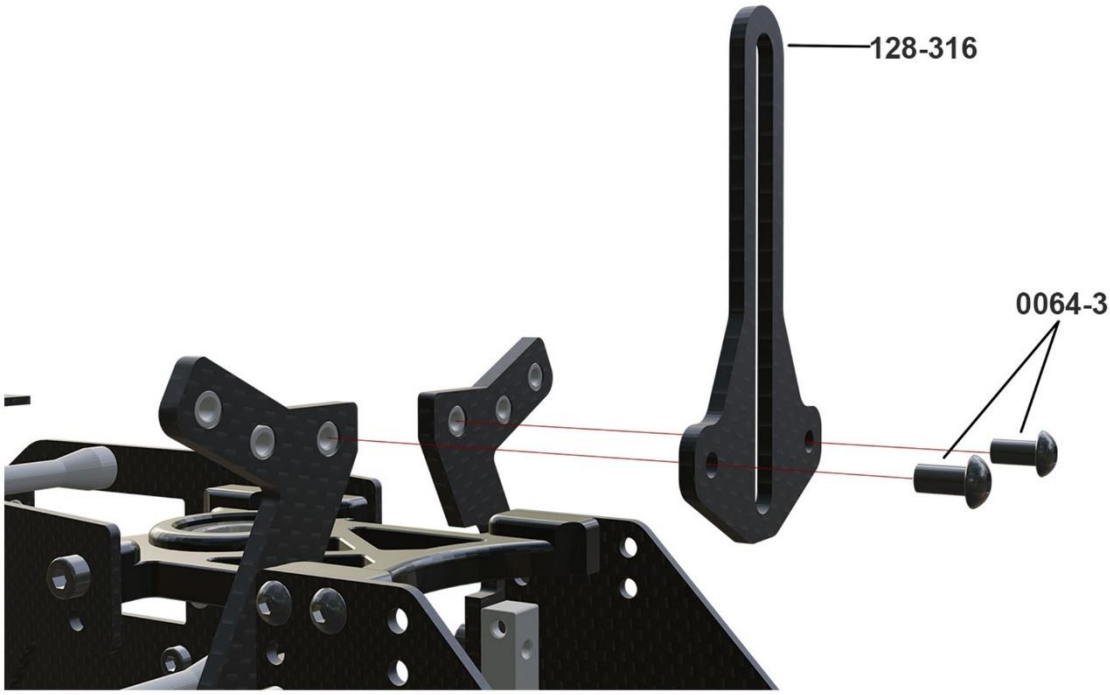
Apply a small amount of medium thread lock when threading into metal parts.



0061 x 4

M3 x 8mm

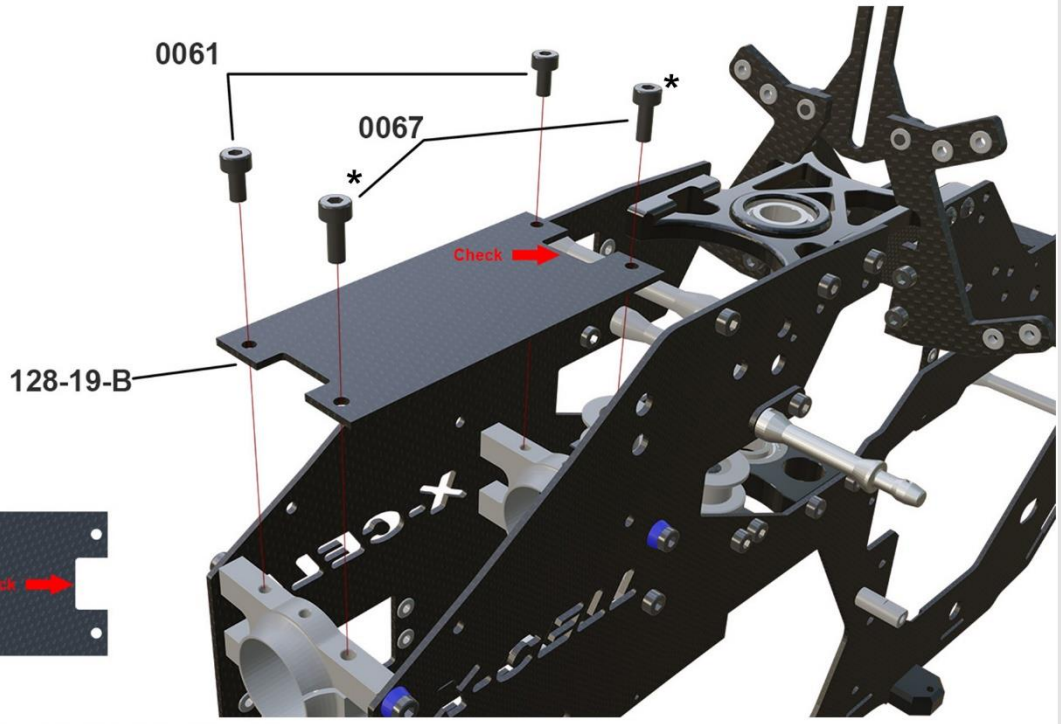
Apply a small amount of medium thread lock when threading into metal parts.

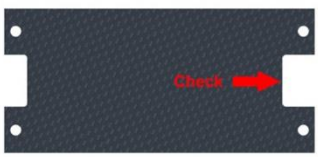


0064-3 x 2

M3 x 6mm

Apply a small amount of medium thread lock when threading into metal parts.





* NOTE: 0067 BOLTS ARE NOT TIGHT AT THIS TIME

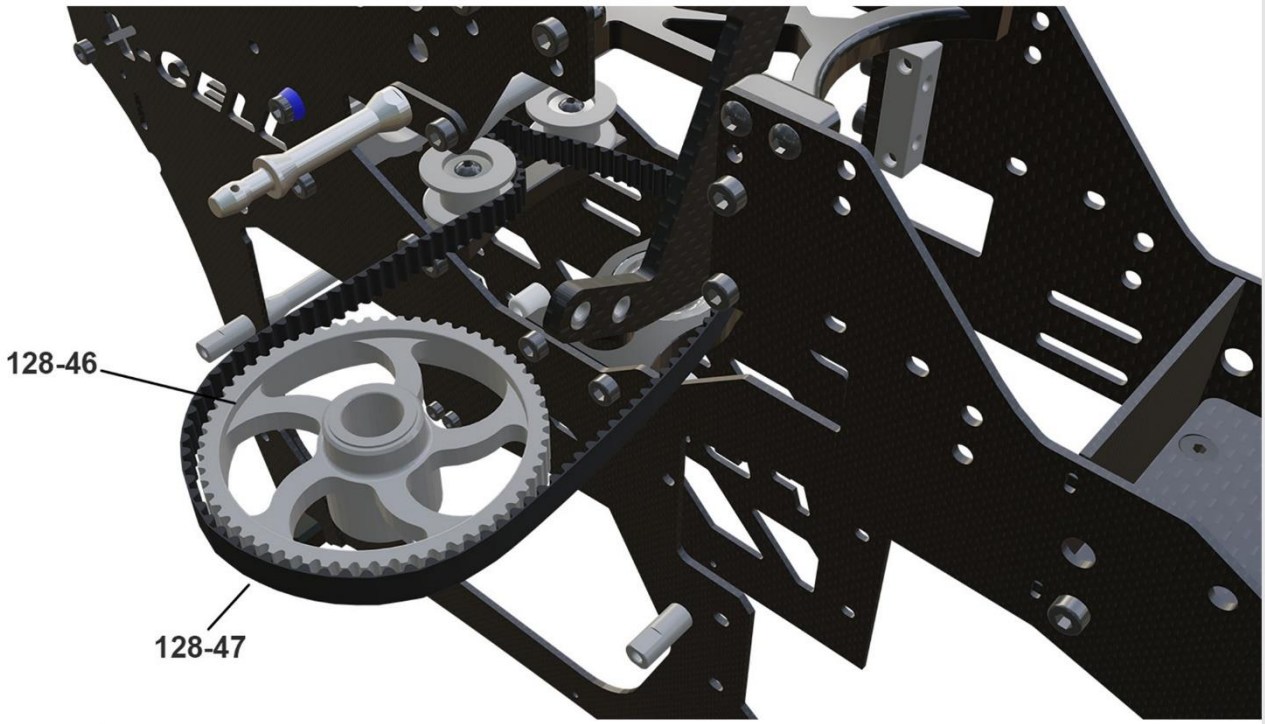
0061 x 2

M3 x 8mm

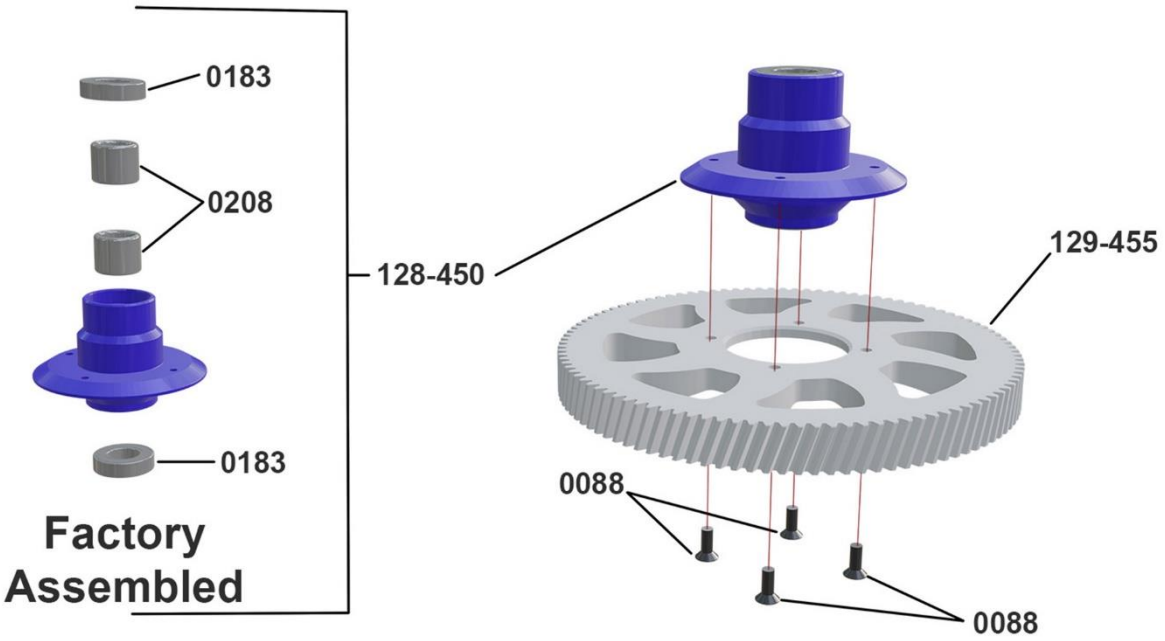
0067 x 2

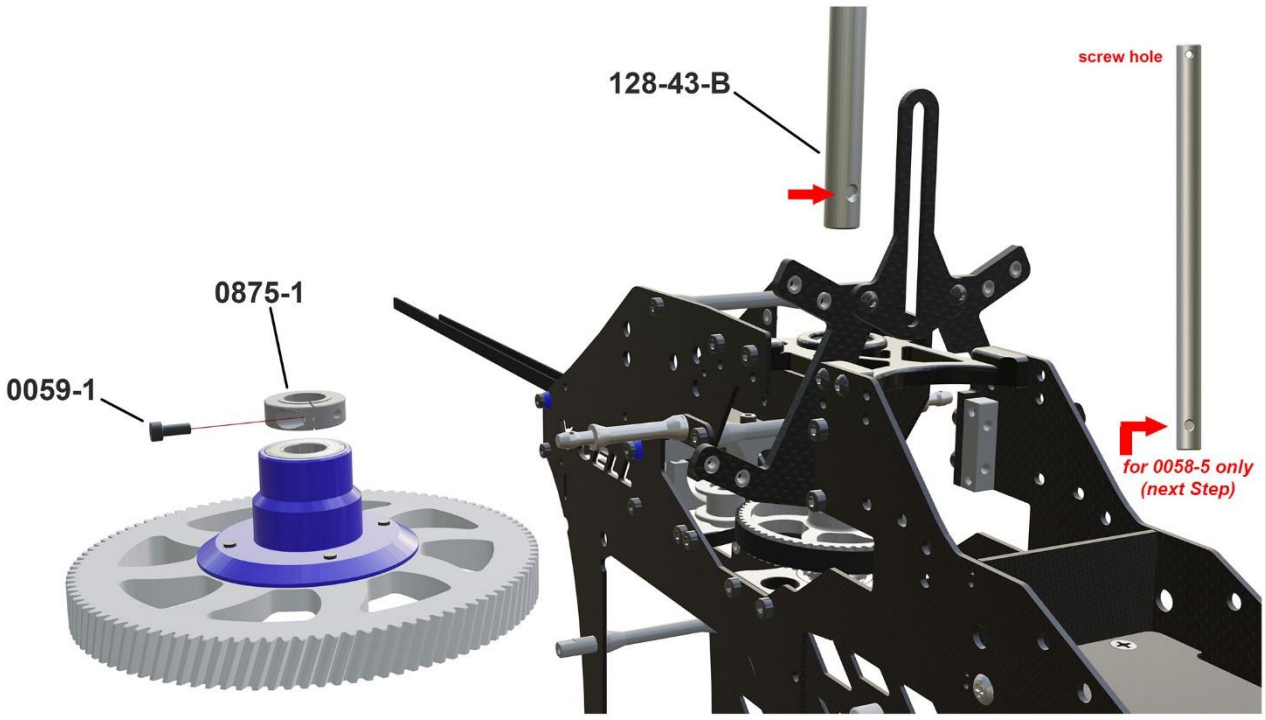
M3 x 14mm

Apply a small amount of medium thread lock when threading into metal parts.



Assembly Tip: M5 threads of pulley face to the bottom of the helicopter.



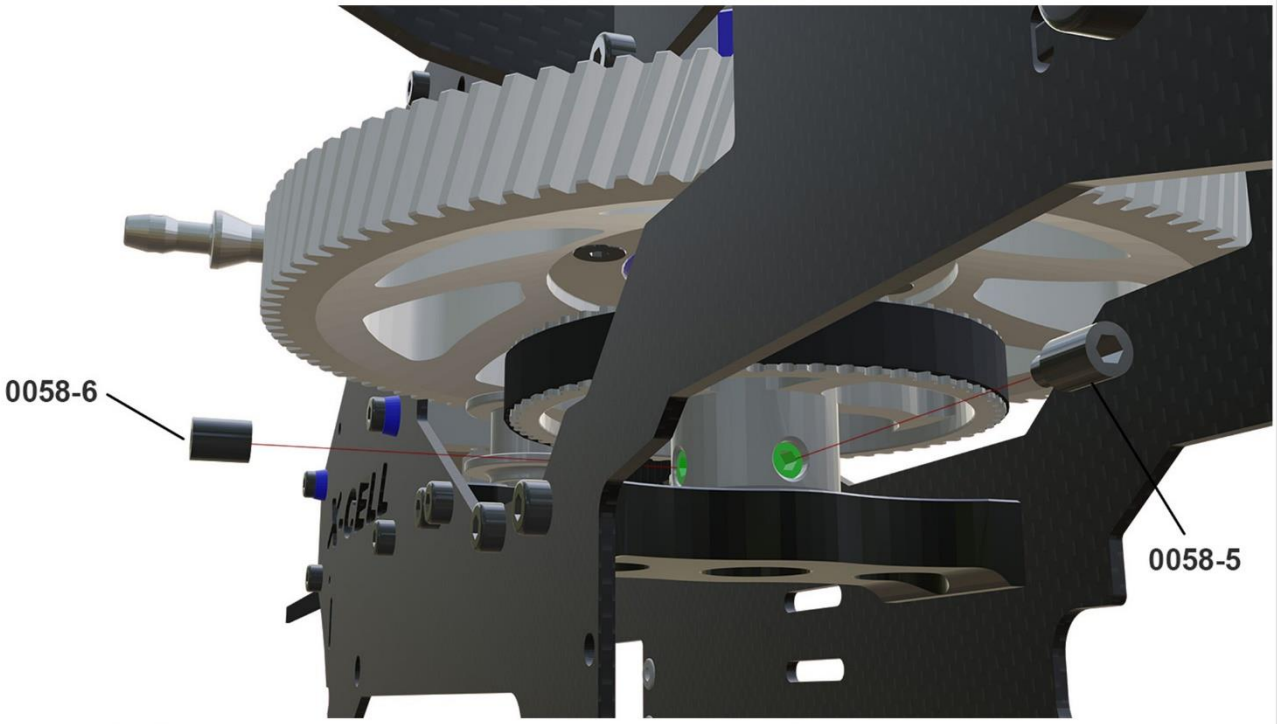


0059-1 x 1

M2.5 x 6mm

Assembly Tip: put a small amount of synthetic grease into the one way bearings of part 128-450 before installing the main shaft. Take care about the orientation of the main shaft. The through hole faces to the top of the helicopter.

Apply a small amount of medium thread lock when threading into metal parts.



0058-5 x 1

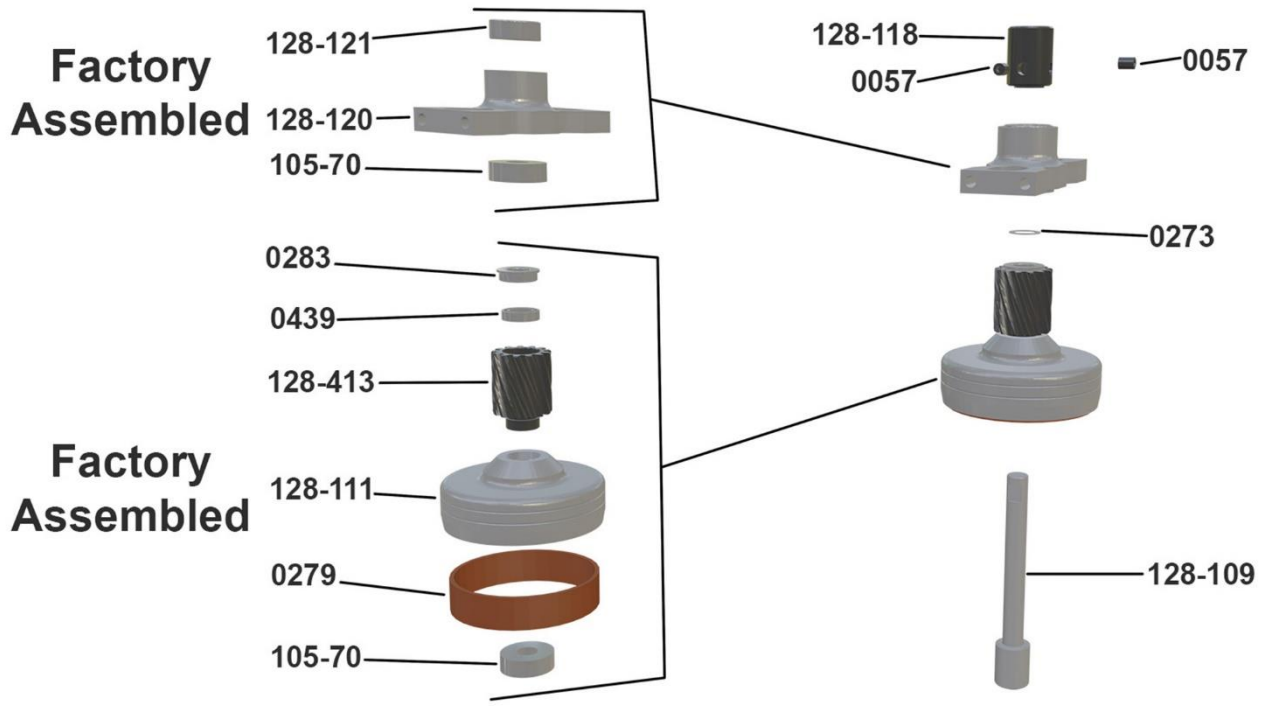
M5 x 6mm

0058-6 x 1

M5 x 5mm

Assembly Tip: Take care that the dog point socket set screw 0058-5 will settle at the dimple of the main shaft. Tighten this screw first.

Apply a small amount of medium thread lock when threading into metal parts.



0057 x 1

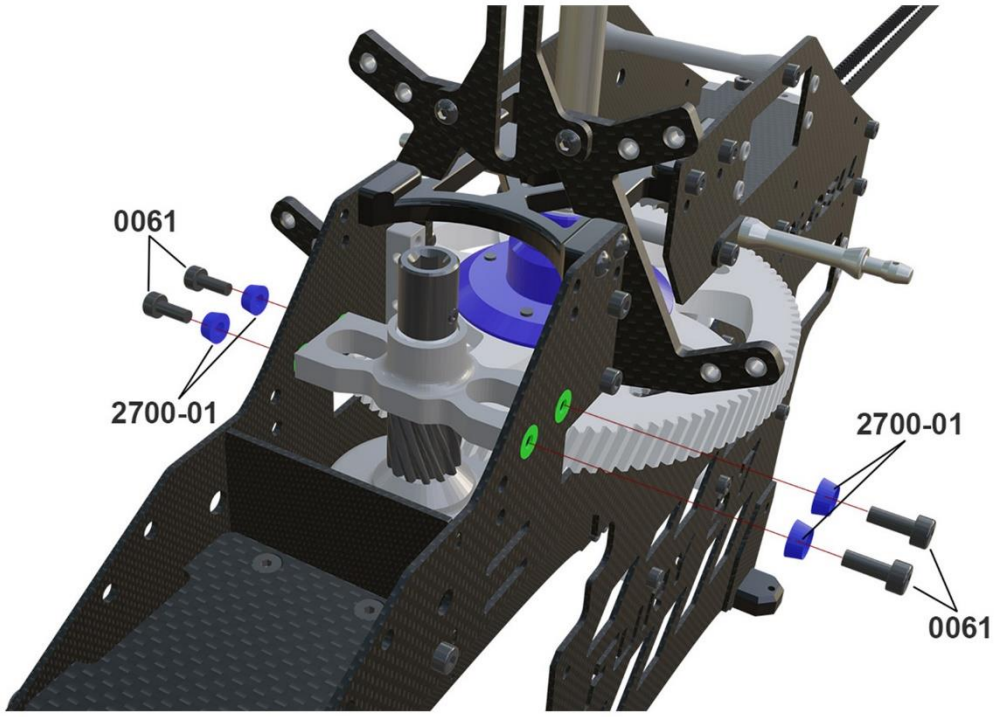
M4 x 4mm

0273 x 1

M6 x 10 x .28mm

Assembly Tip: Take care that one of the socket screws 0057 will settle at the flat spot of the 128-109 start shaft. Tighten this screw first.
Take care that there is no vertical play of the shaft / clutch bell.

Apply a small amount of medium thread lock when threading into metal parts.



0061 x 4

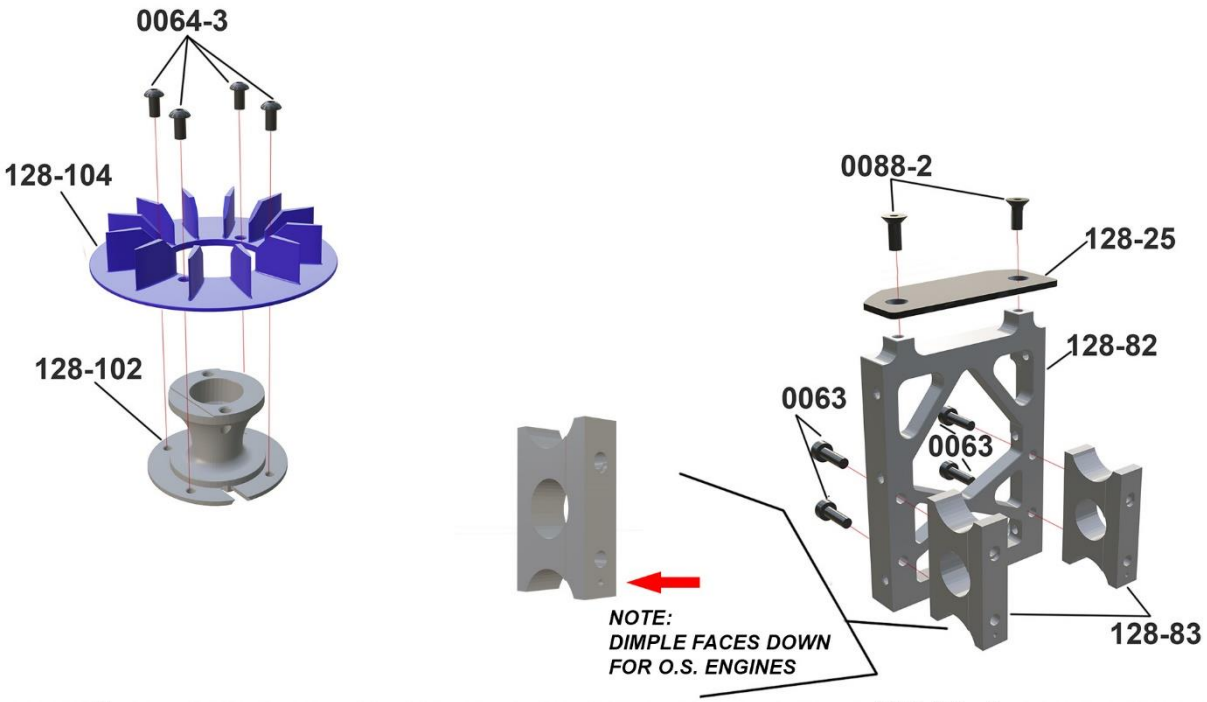
M3 x 8mm

2700-01 x 4

M3 (blue)

Assembly Tip: Take care to set the correct gear mesh by moving the clutch assembly stack forward / backwards. The main gear may expand during flight so it is very important that the drive train has a correct set gear mesh. You can use a small piece of standard printer paper and put it between the two gears. Then press the pinion against the main gear and tighten the screws 0061. Take care that the start shaft is parallel to the main shaft. Remove the paper. Then you should find the gear mesh set correctly.

Apply a small amount of medium thread lock when threading into metal parts.



0064-3 x 4

M3 x 6mm

0063 x 4

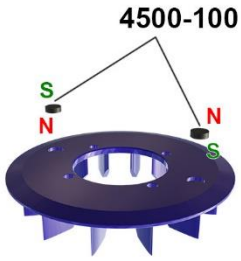
M3 x 10mm

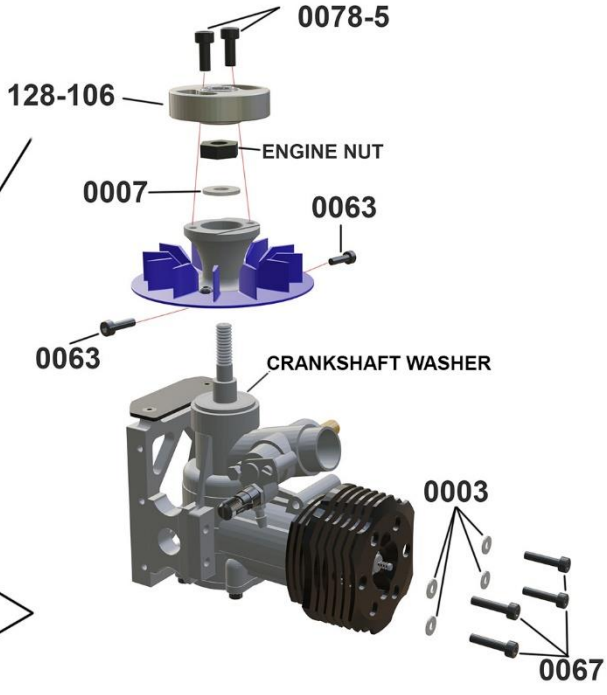
0088-2 x 2

M3 x 6mm

Assembly Tip: take care of the orientation of the motor mount blocks 128-83. At one side they have a small dimple. The dimple shall be facing to the engine. For O.S. engines the dimples should be facing 'down'.

Apply a small amount of medium thread lock when threading into metal parts.





0067 x 4

M3 x 14mm

0003 x 4

M3

0063 x 2

M3 x 10mm

0007 x 1

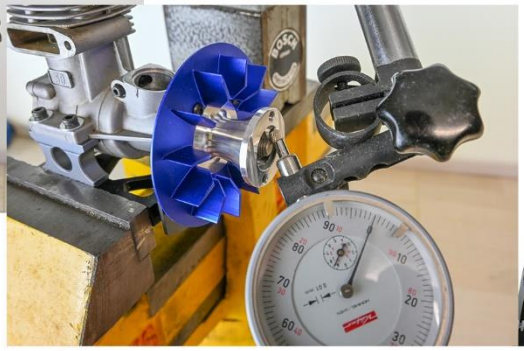
M6

Assembly Tip: If using a governor install the magnets at the fan. Take care of the orientation. On shall be facing up "North" the other shall be facing up "South". Use some high quality two-component epoxy like UHU 300 and let it hardening. The magnets are included in the Fury 57 kit.

Apply a small amount of medium thread lock when threading into metal parts.

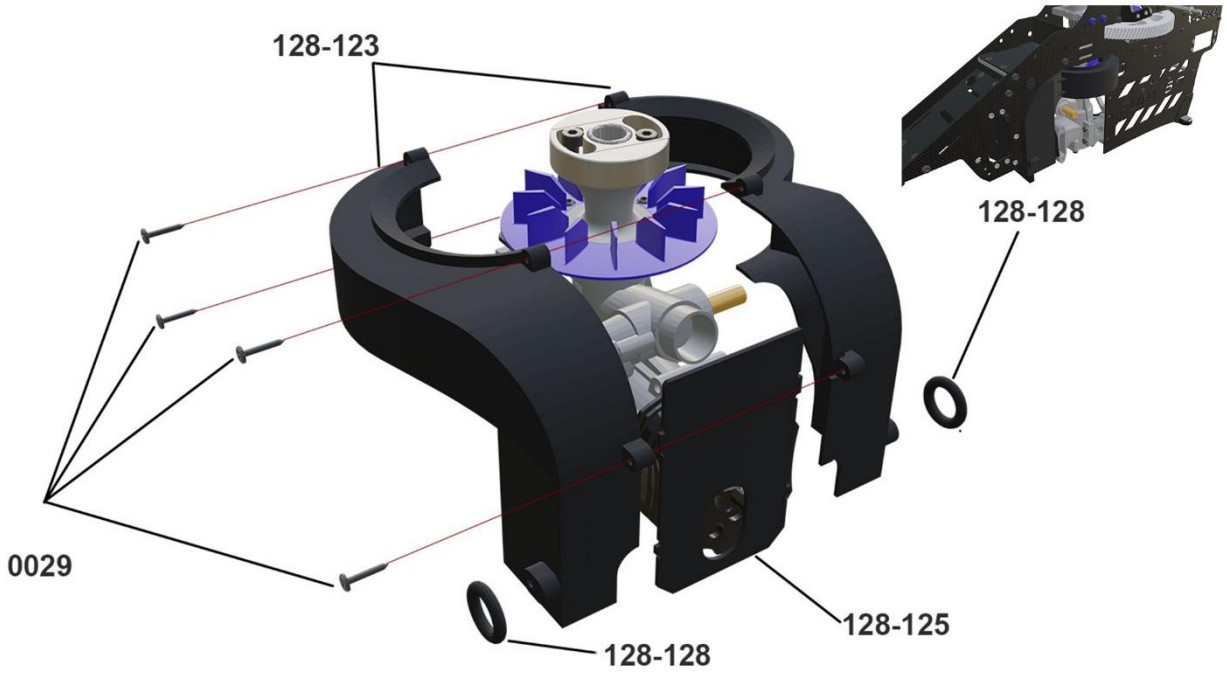
0078-5 x 2

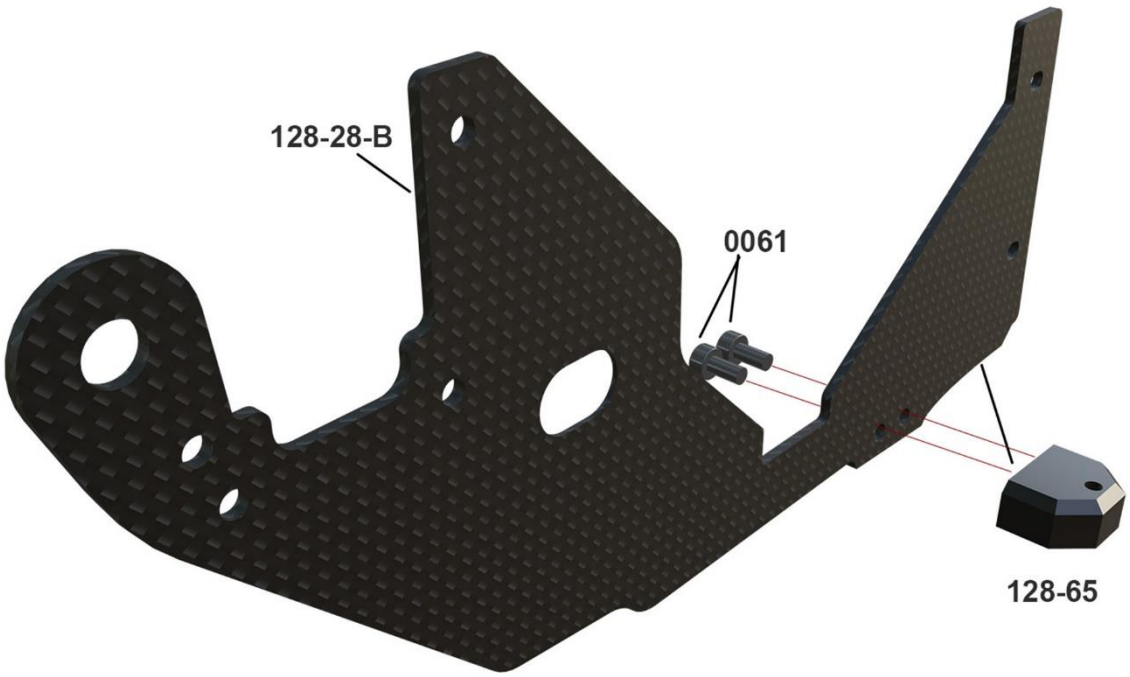
M4 x 10mm



Installing the prepared fan hub: to install the fan hub you should use a crankshaft locking tool. To use it you have to remove the back plate of the engine. Take care about the orientation and correct use of the tool (see engine manual). Ohterwise you can damage the piston / engine. Do not use a piston stopper which is installed at the glow plug bore.
Don't forget to install the whasher between the hub and the engine which is included with the engine. Put a very small amount of thread lock on the engine nut and tighten it slightly. Take care that the crankshaft has no axial play - this is very important. Then tighten the screws 0063 alternately and check runout of the hub by using a dail gauge touching the inner diameter of the fan hub. The total runout shall be less than 0.025mm or 0.001". You can adjust the runout by alternately thightening / releasing the srews 0063. If the runout is okay then tighten the engine nut carefully.
Before installing the clutch put a very small amount of synthetic greas into the one way bearing. Mount the engine at the motor mount but do not tighten the screws at this point completely. It should be possible to move the engine whithin the mounting bores.

Apply a small amount of medium thread lock when threading into metal parts.

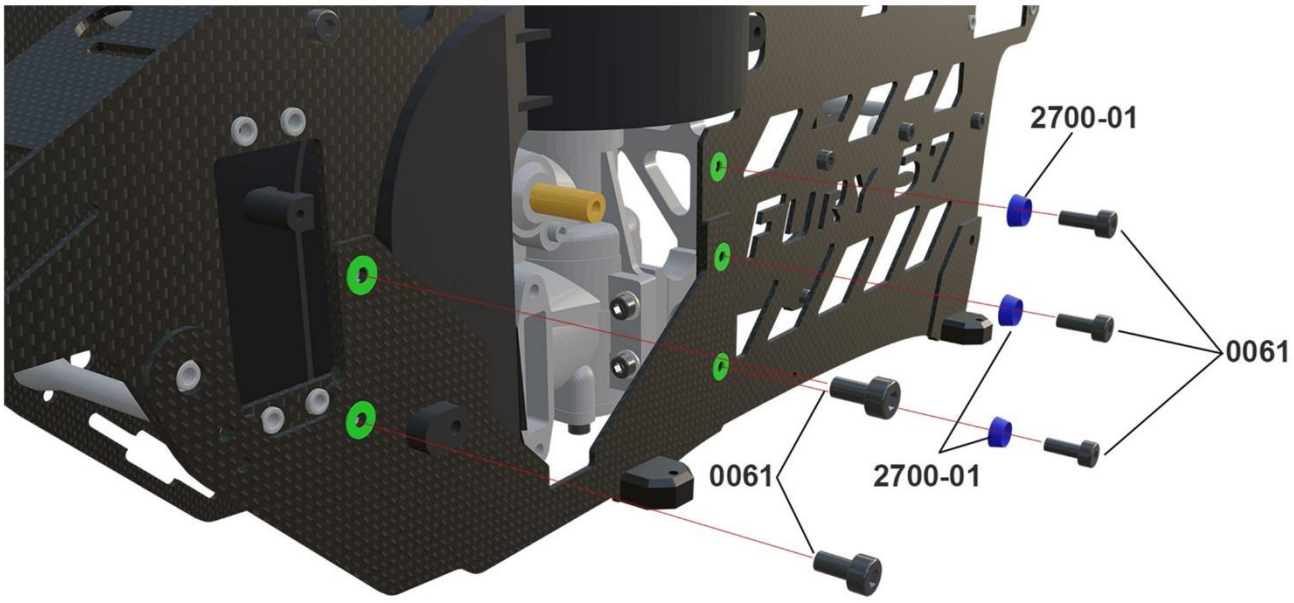




0061 x 2

M3 x 8mm

Apply a small amount of medium thread lock when threading into metal parts.



0061 x 5

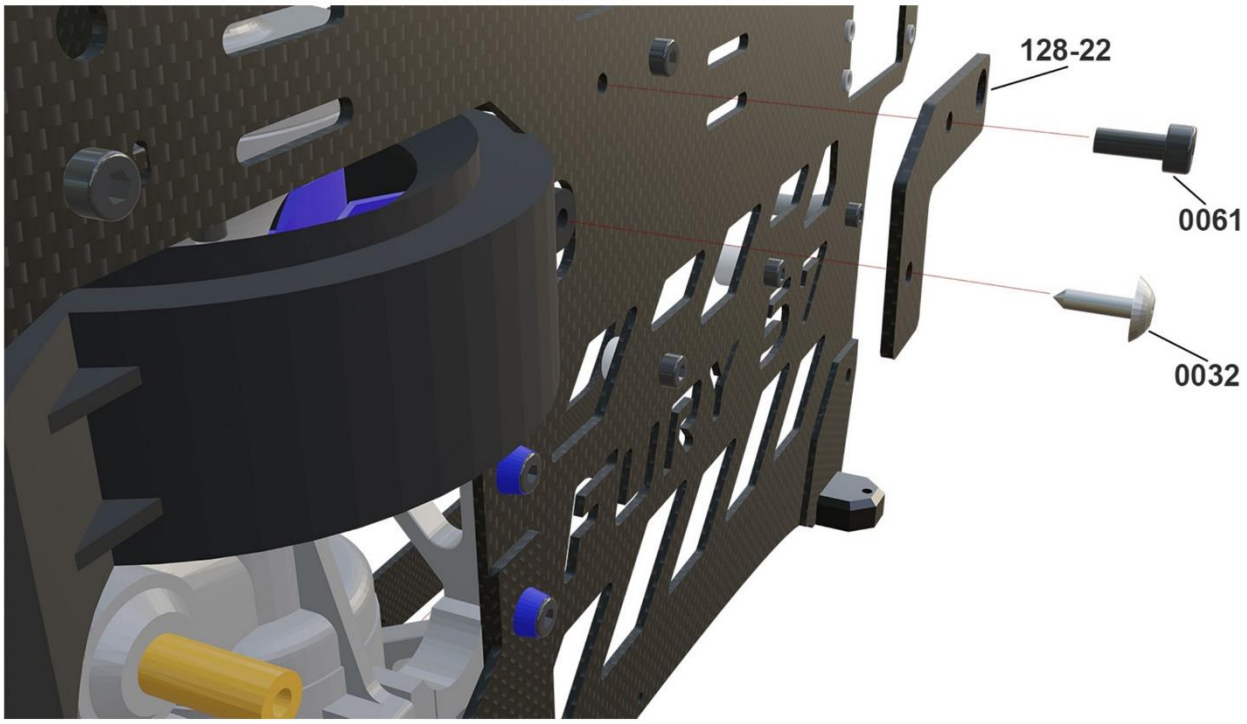
M3 x 8mm

2700-01 x 3

M3 (blue)

Assembly Tip: Do not thighten the three screws which hold the motor mount at this point.

Apply a small amount of medium thread lock when threading into metal parts.



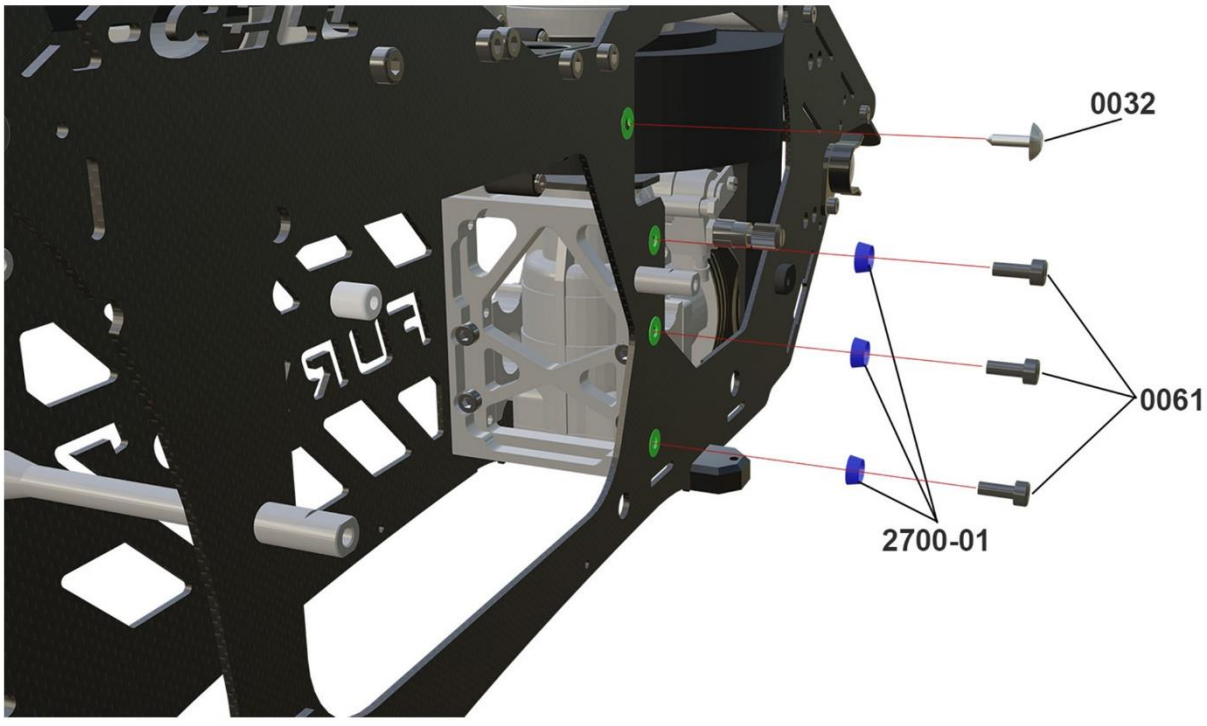
0061 x 1

M3 x 8mm

0032 x 1

M2.9 x 9.5mm

Apply a small amount of medium thread lock when threading into metal parts.



0061 x 3

M3 x 8mm

0032 x 1

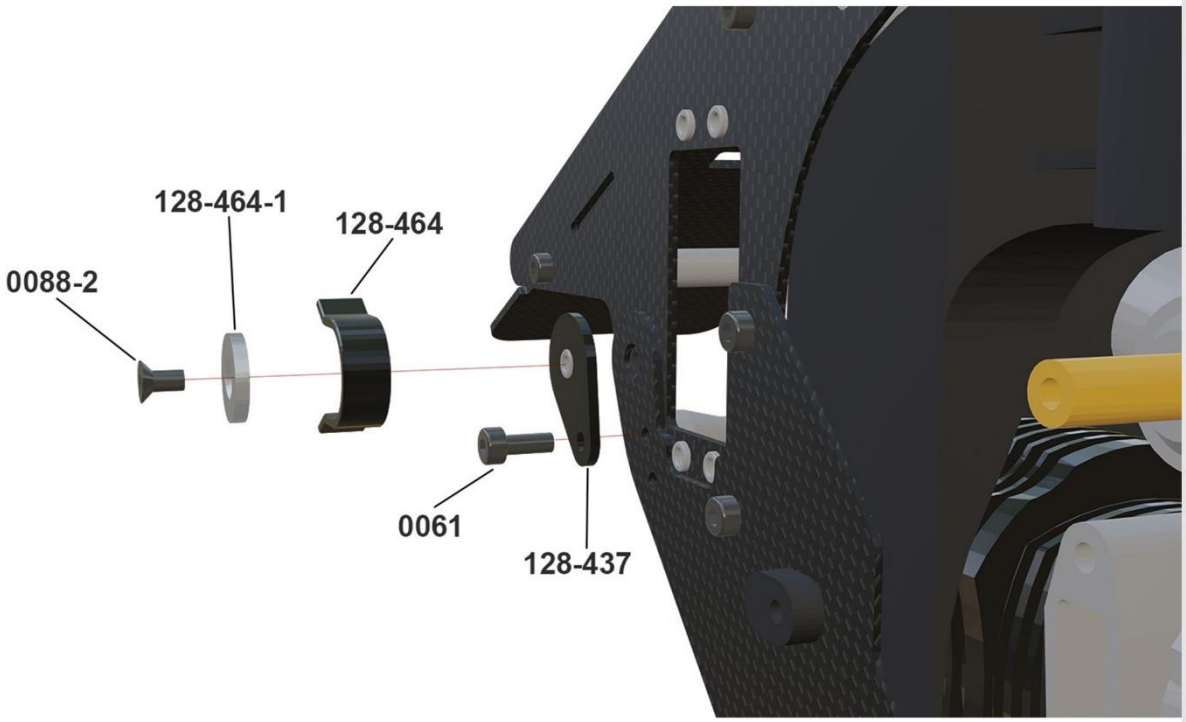
M2.9 x 9.5mm

2700-01 x 3

M3 (blue)

Assembly Tip: Before tightening the screws which hold the motor mount please check the alignment of the engine by rotating the start shaft clock wise. Move the complete engine forward / backward to find a position where the start shaft can be rotated easily. Then tigthen the engine screws and the screws which hold the motor mount. Check the start shaft again and repeate this procedure if the start shaft cannot be rotated clockwise freely.

Apply a small amount of medium thread lock when threading into metal parts.



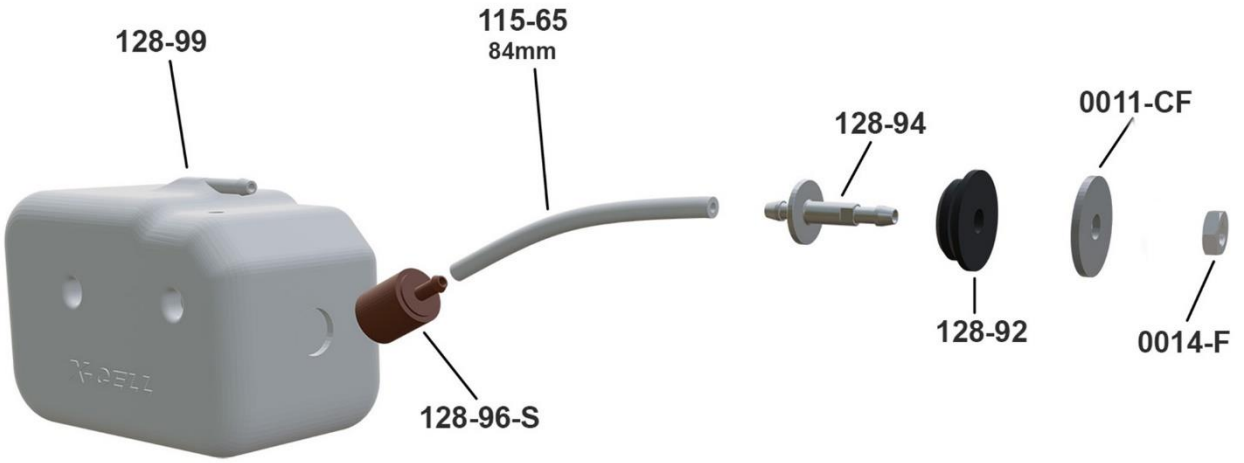
0061 x 1

M3 x 8mm

0088-2 x 1

M3 x 6mm

Apply a small amount of medium thread lock when threading into metal parts.



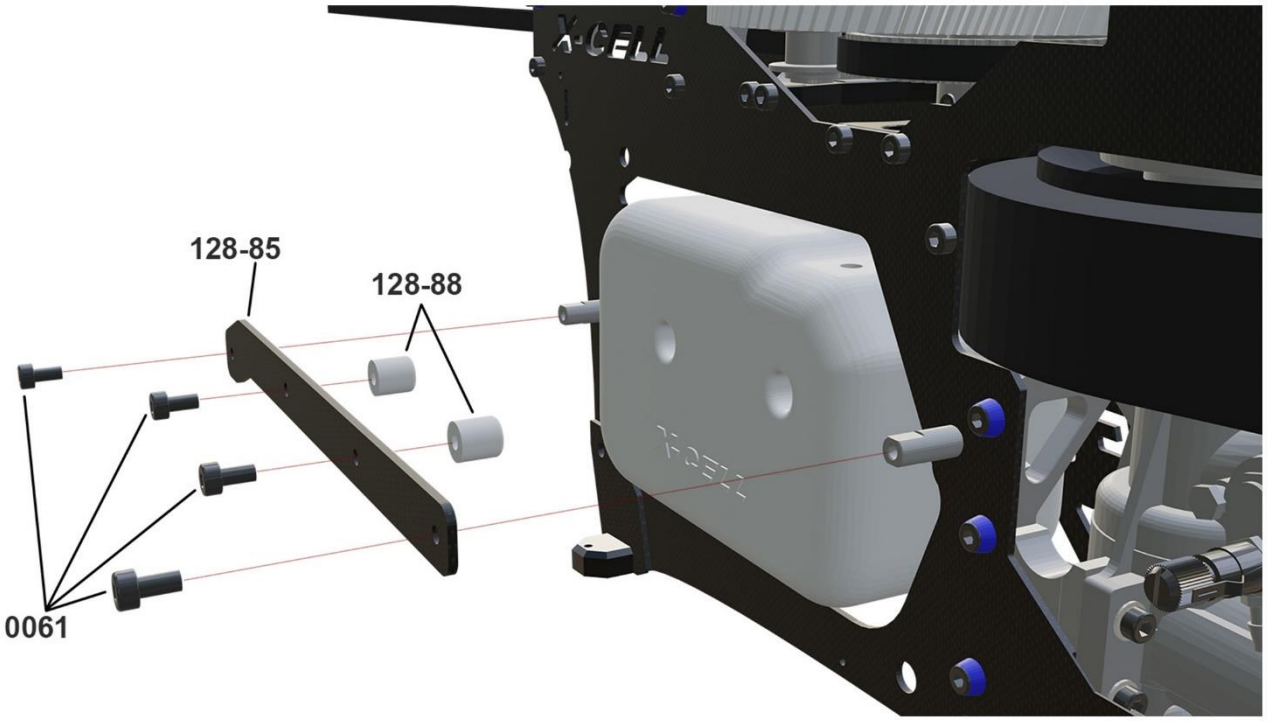
0014-F x 1

M5 (fine)

0011-CF x 1

M5 CF

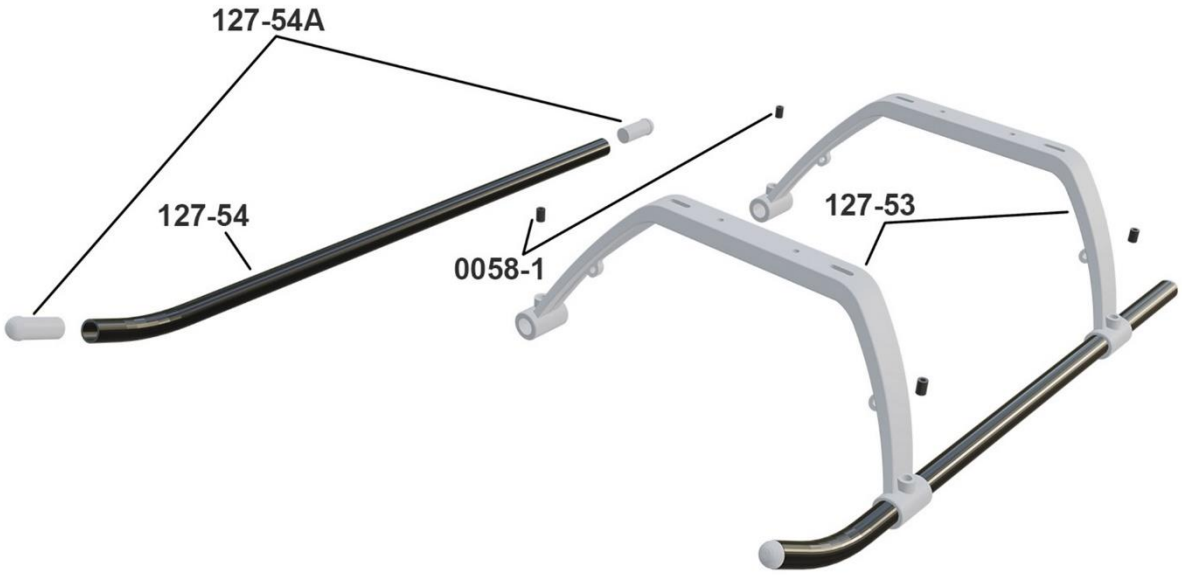
Assembly Tip: Do not apply thread lock to the nut 0014-F. Do not overtighten. If the tank starts leaking at this opening just tigthen the nut about 1/2 or 1 turn.



0061 x 4

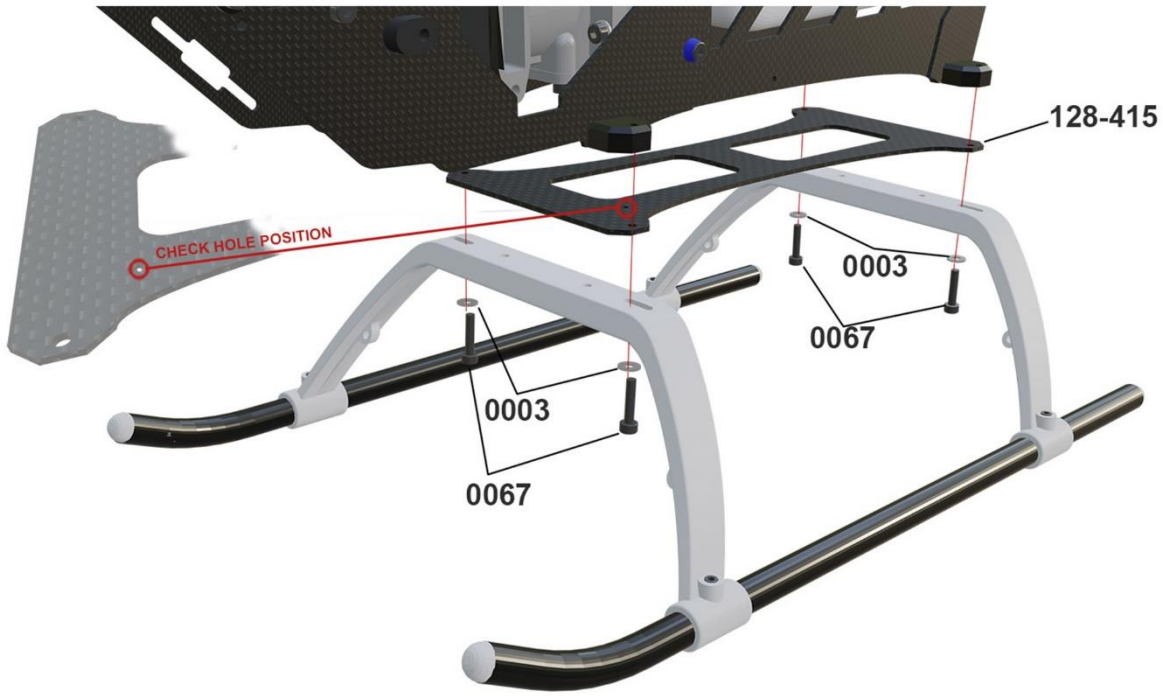
M3 x 8mm

Apply a small amount of medium thread lock when threading into metal parts.



0058-1 x 4

M4 x 6mm



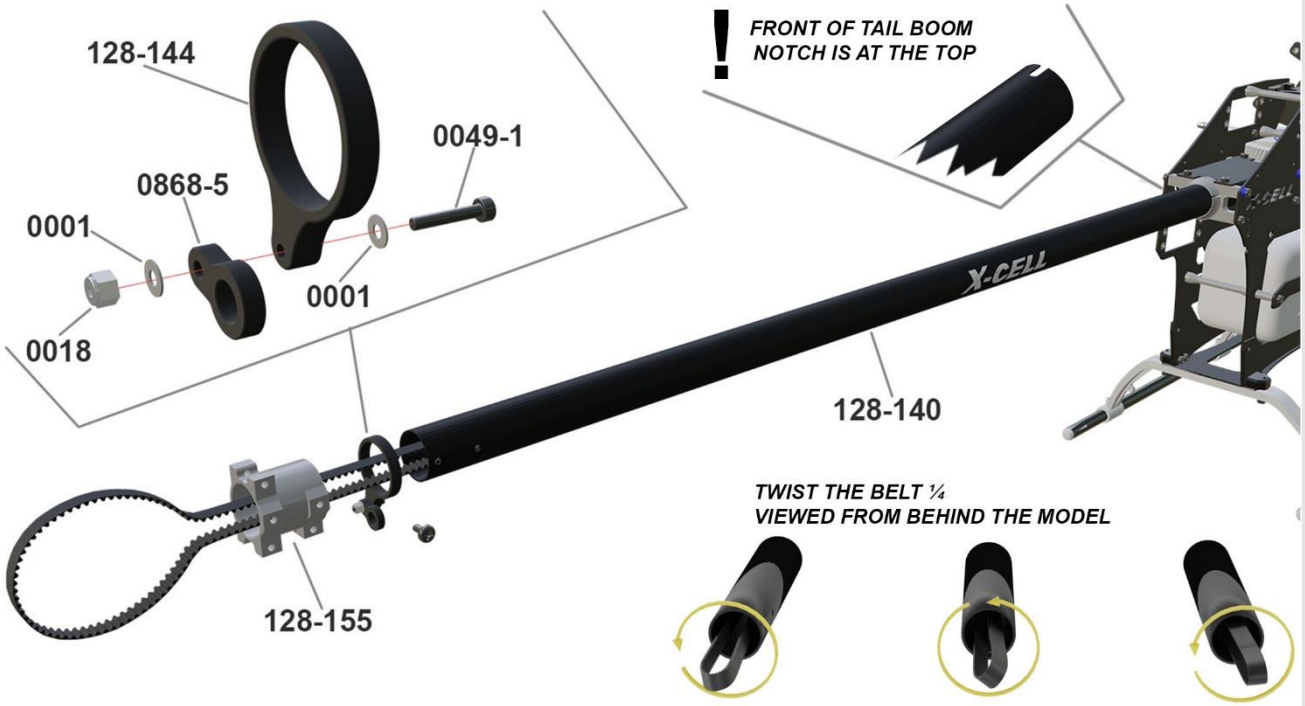
0067 x 4

M3 x 14mm

0003 x 4

M3

Apply a small amount of medium thread lock when threading into metal parts.



0049-1 x 1

M2 x 12mm

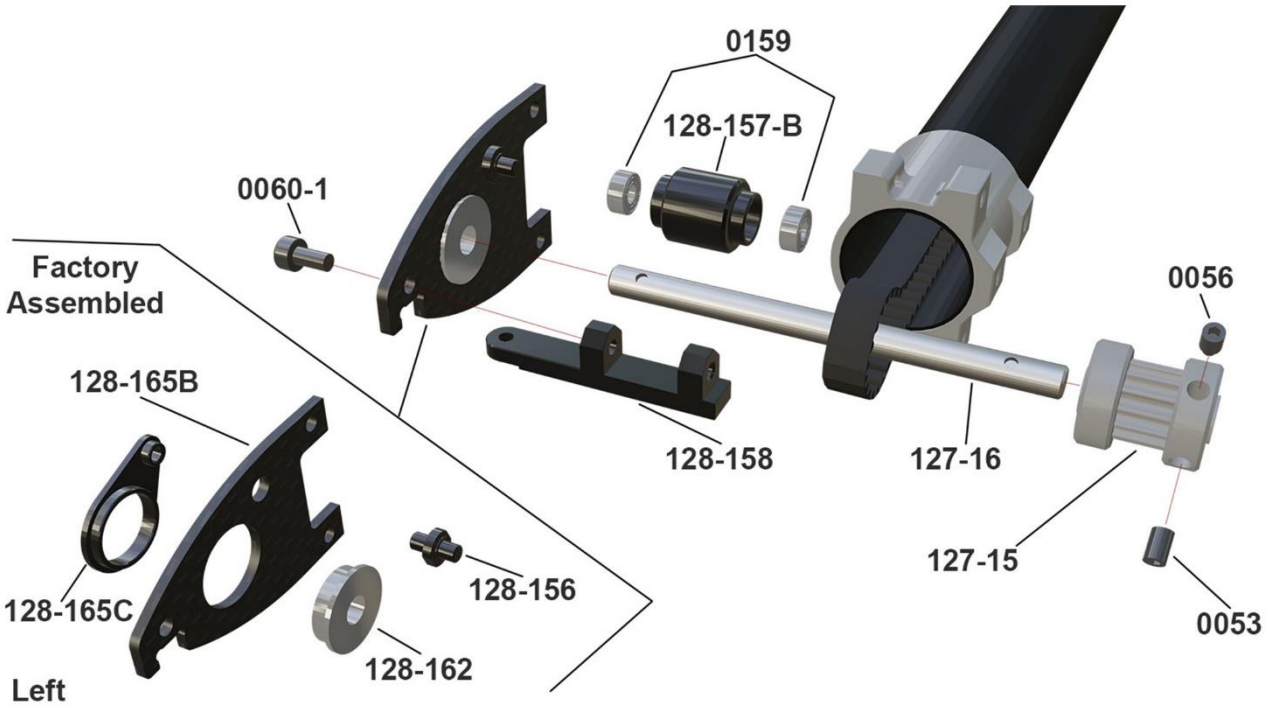
0001 x 2

M2

0018 x 1

M2

Assembly Tip: Do not assemble part 0868-5 at part 128-144 at this step. Part 0868-5 first has to be installed at the carbon fiber tail push rod before assembling the end caps of the push rod!
Do not tighten the screws of the front boom clamps which clamp the boom at this point.
Use som filament to draw the belt through the boom. Take care to only twist the belt by 1/4 rotation. Otherwise the belt would be across and would be destroyed whithin the first flight.



0060-1 x 1

M3 x 6mm

0053 x 1

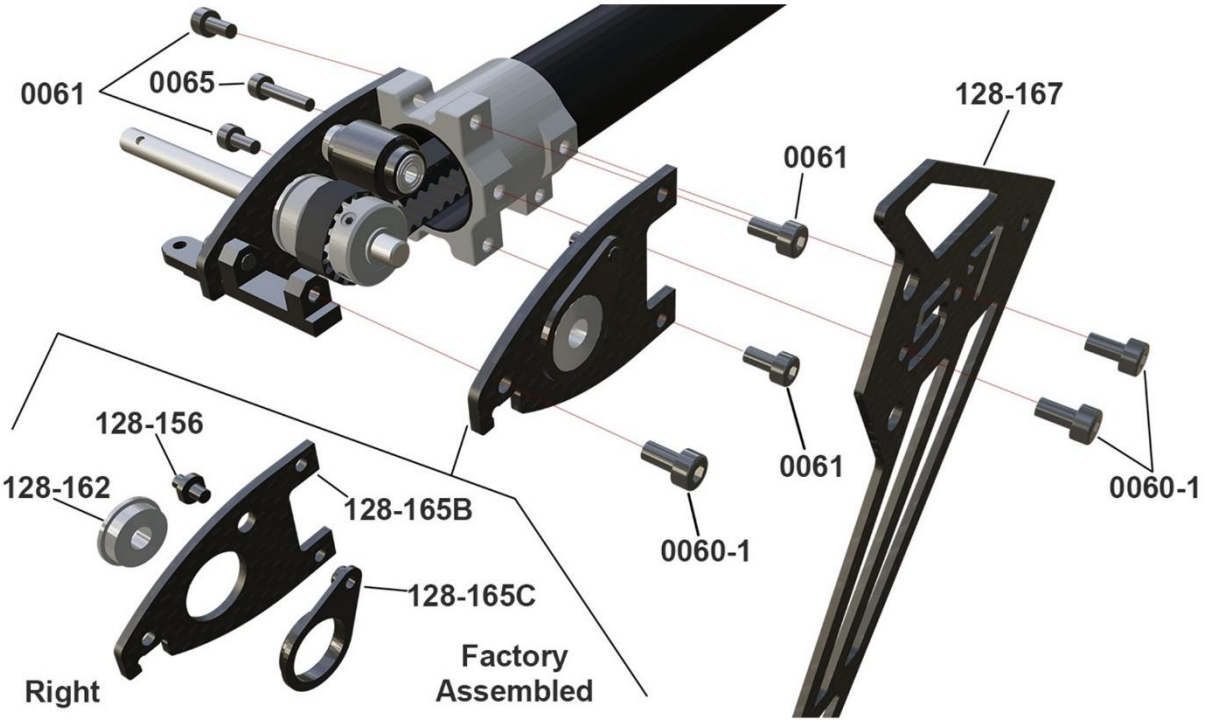
M3 x 5mm

0056 x 1

M3 x 5mm

Assembly Tip: Take care that the dog point socket set screw 0056 will settle at the dimple of the tail shaft. Tighten this screw first.

Apply a small amount of medium thread lock when threading into metal parts.



0060-1 x 3

M3 x 6mm

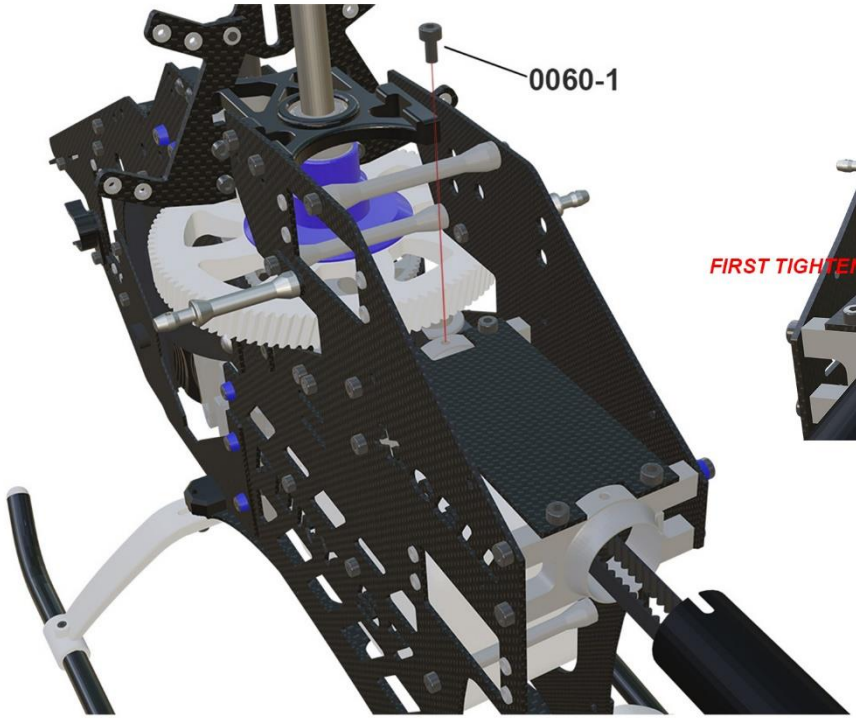
0065 x 1

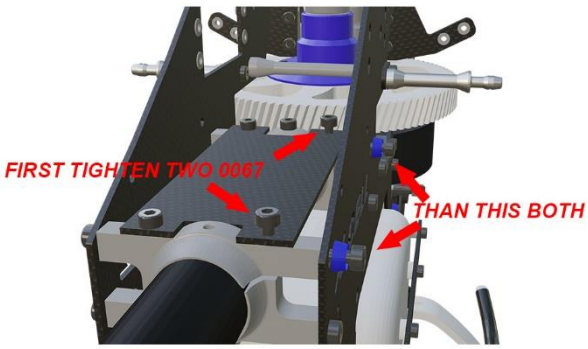
M3 x 12mm

0061 x 4

M3 x 8mm

Apply a small amount of medium thread lock when threading into metal parts.



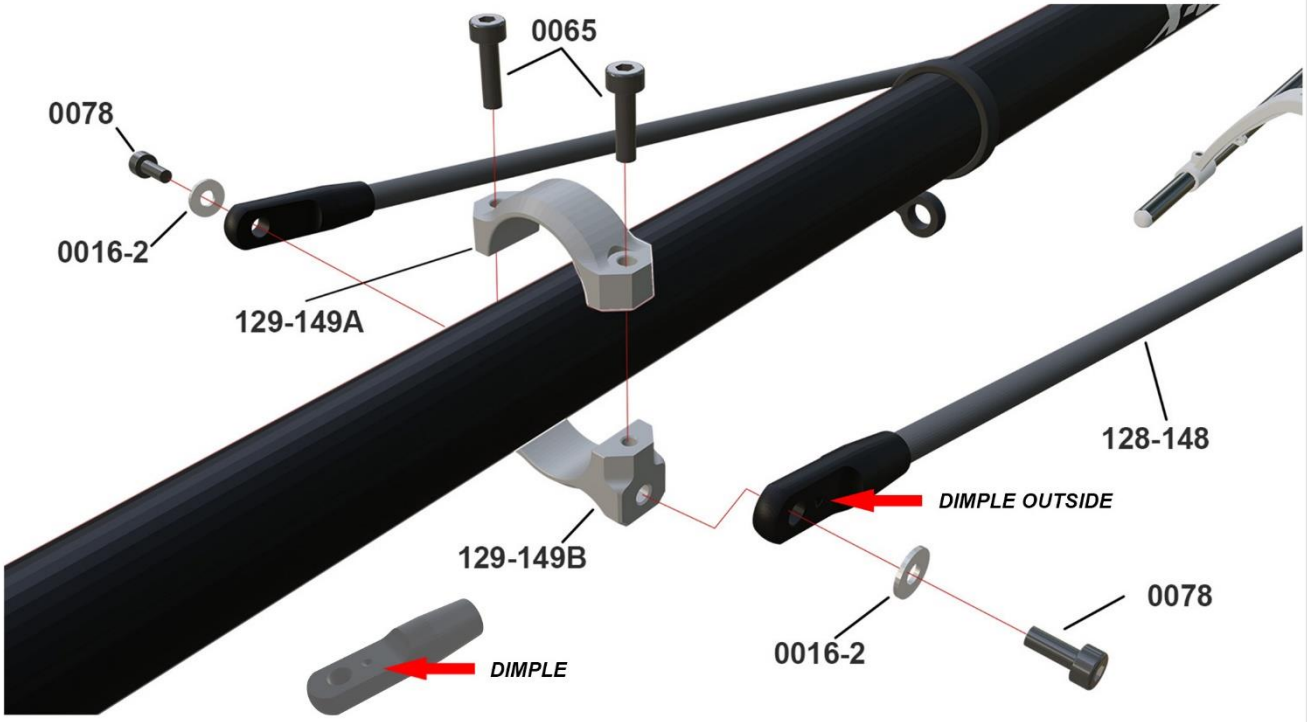


0060-1 x 1

M3 x 6mm

Assembly Tip: After assembling the tail case next step is to span the belt. To do this first pull the boom backwards and install the 0060-1 bolt at the middle thread of the boom clamp facing to the front. Then pull the tail boom backwards at a force of about 3 lb / 1.5kg / 15N. Take care that the tail output shaft is rectangular to the mainshaft and tighten the two 0067 screws at the front boom clamps. Don't forget to also tighten the two bolts on the right upper side of the frame which hold the front boom clamps.

Apply a small amount of medium thread lock when threading into metal parts.



0078 x 2

M4 x 12mm

0065 x 2

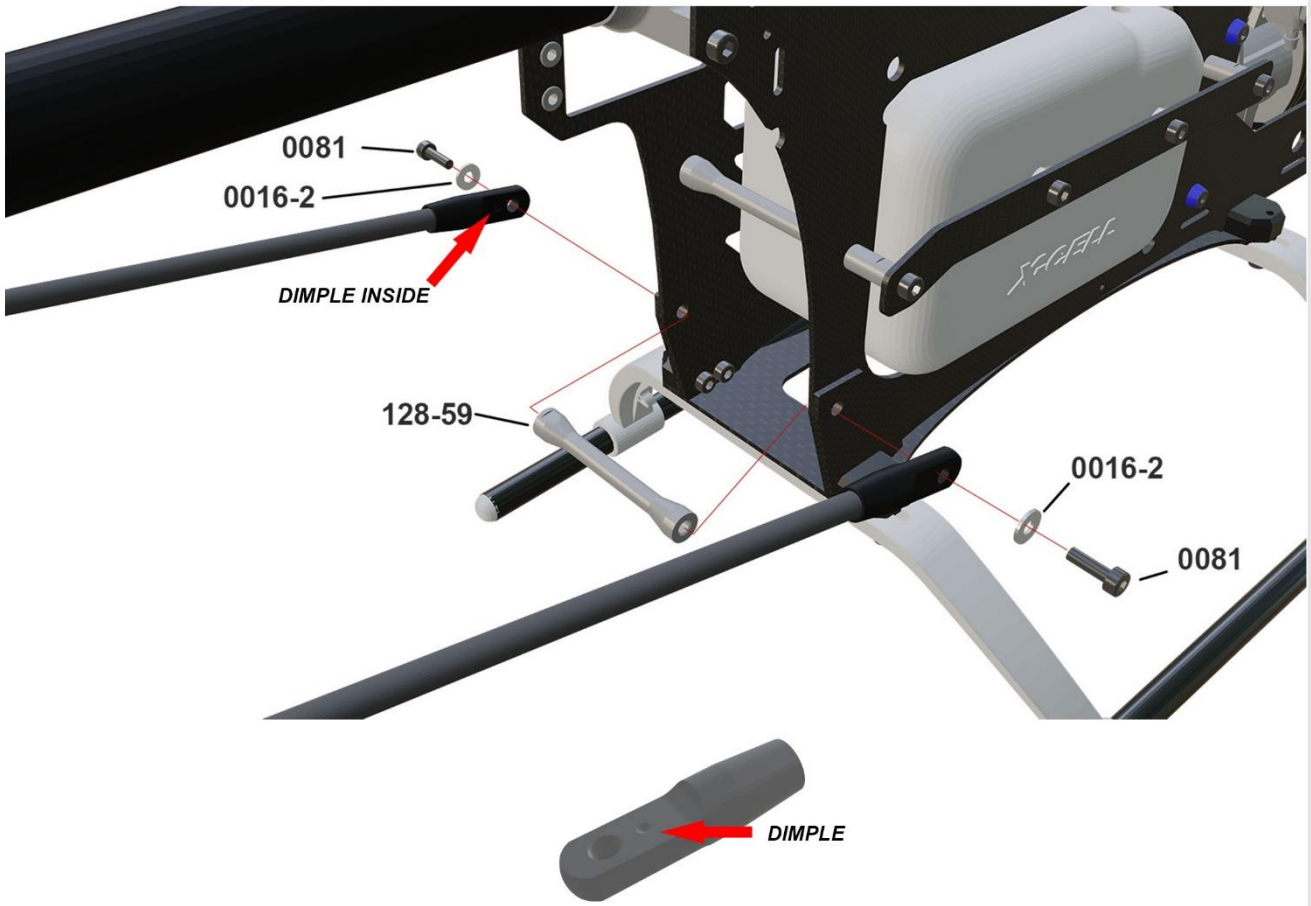
M3 x 12mm

0016-2 x 2

M4

Assembly Tip: The aluminum boom support ends have a dimple on one side. The dimple indicates a slight angle built in to this part. On the Boom support assembly side that attaches to the main frame, the dimple will be facing "in". Do not forget to use thread lock and the locking washers 0016-2 when installing the boom supports.
Do not overtigthen the bolts 0065. This would destroy the aluminum boom. Tighten them alternately.

Apply a small amount of medium thread lock when threading into metal parts.



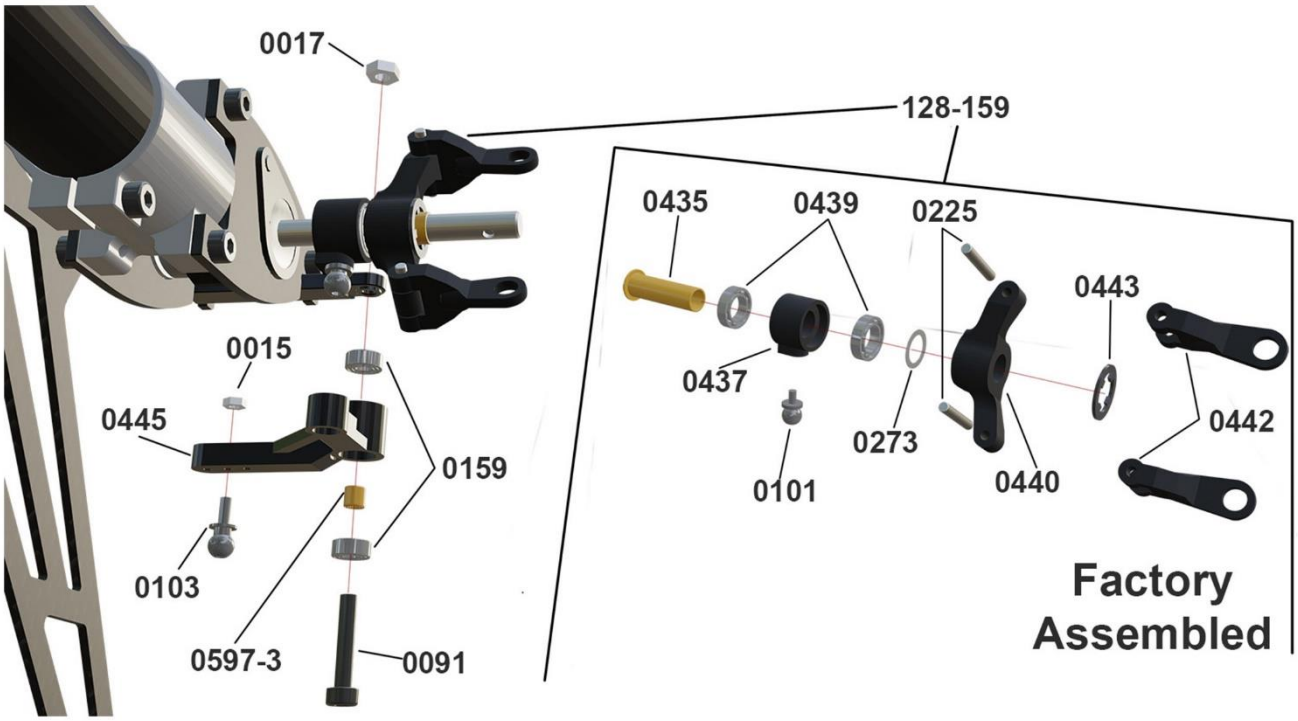
0081 x 2

M4 x 16mm

0016-2 x 2

M4

Apply a small amount of medium thread lock when threading into metal parts.



0091 x 1

M3 x 16mm

0017 x 1

M3

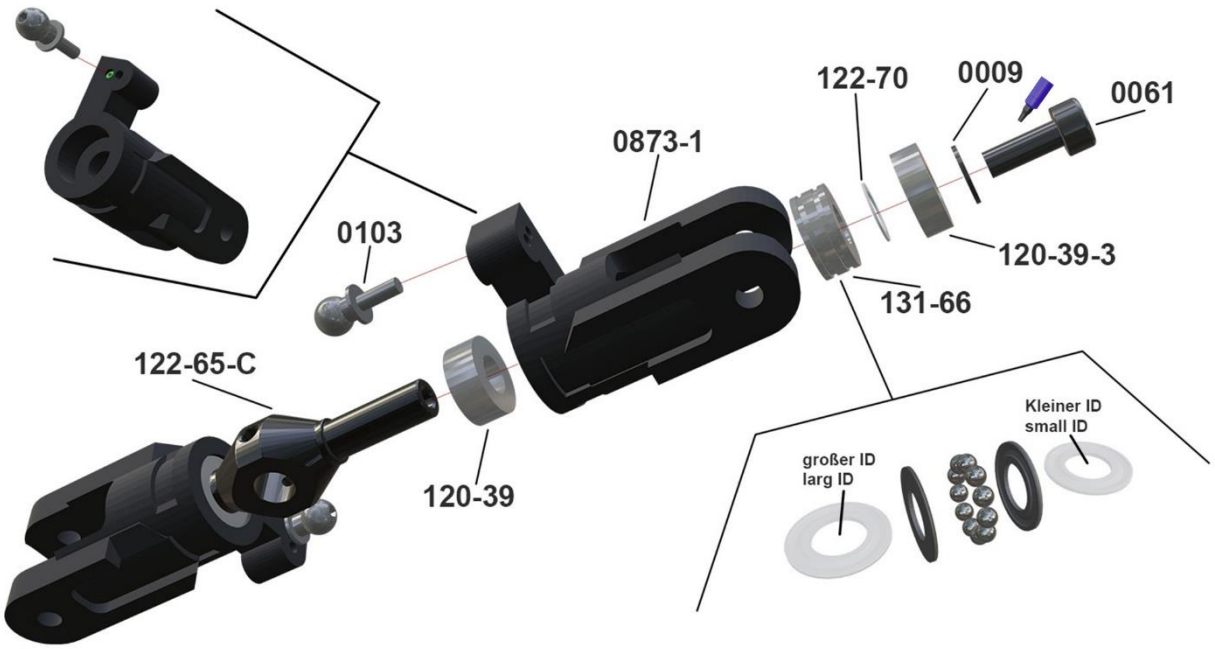
0015 x 1

M2

0103 x 1

M2 x 5.3

Apply a small amount of medium thread lock when threading into metal parts.



0061 x 2

M3 x 8mm

0009 x 2

M3 (small)

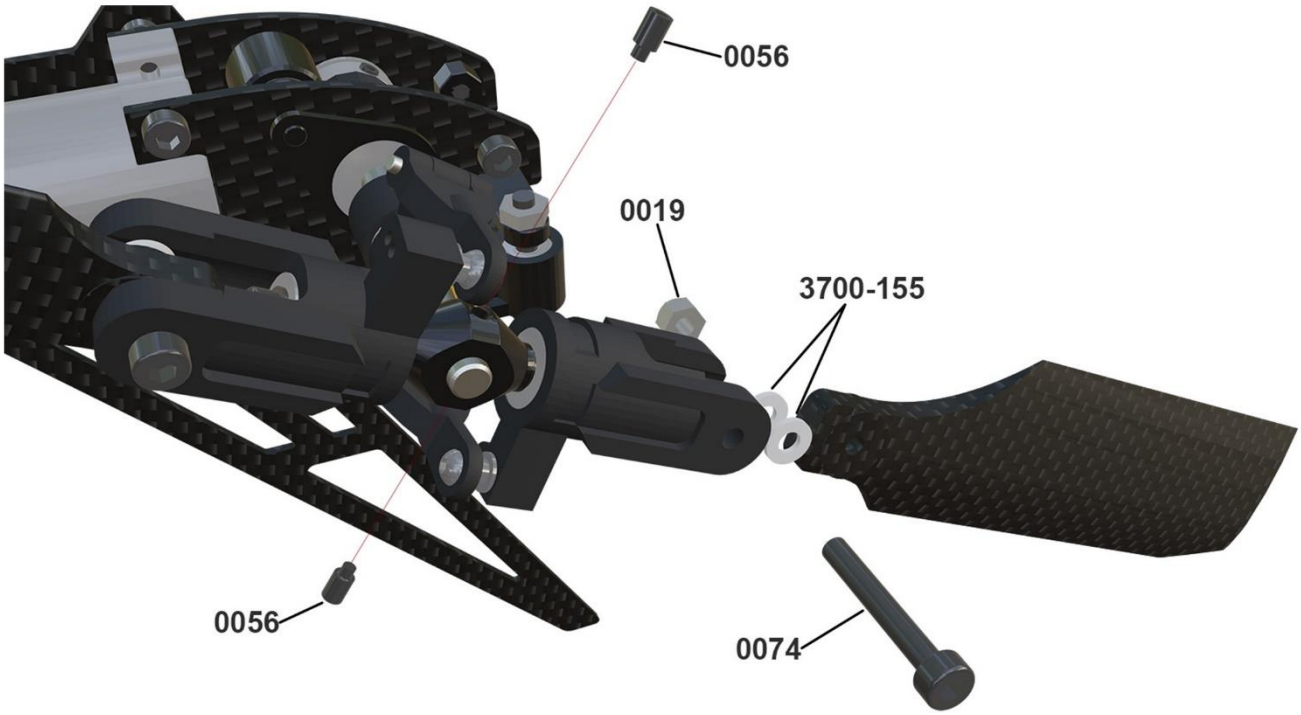
122-70 x 2

M5 x .25mm

0103 x 2

M2 x 5.3

Apply a small amount of medium thread lock when threading into metal parts.



0074 x 2

M3 x 22mm

0019 x 2

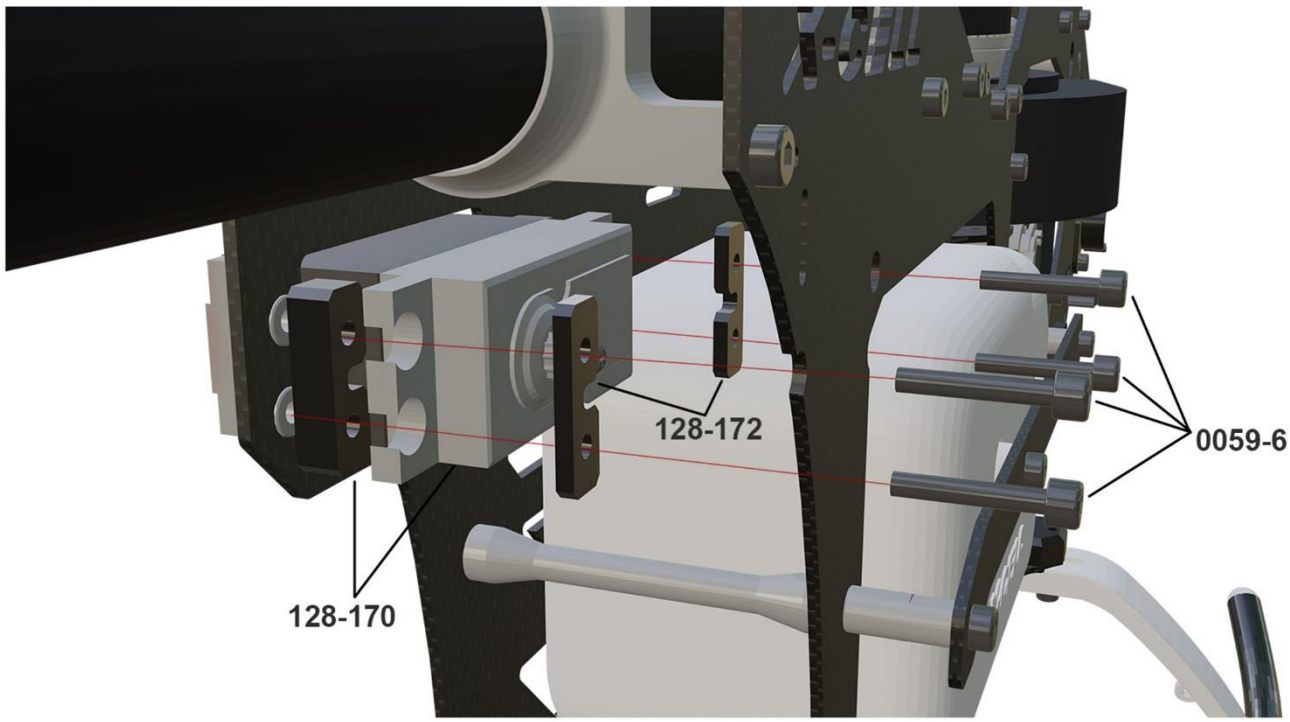
M3

0056 x 2

M3 x 5mm

Assembly Tip: Take care that the dog point socket set screws 0056 will settle at the dimples of the tail shaft. First install the screws that they settle correctly at the dimples but do not tighten them. Then tighten one of bolts firmly and then the other one slightly less.

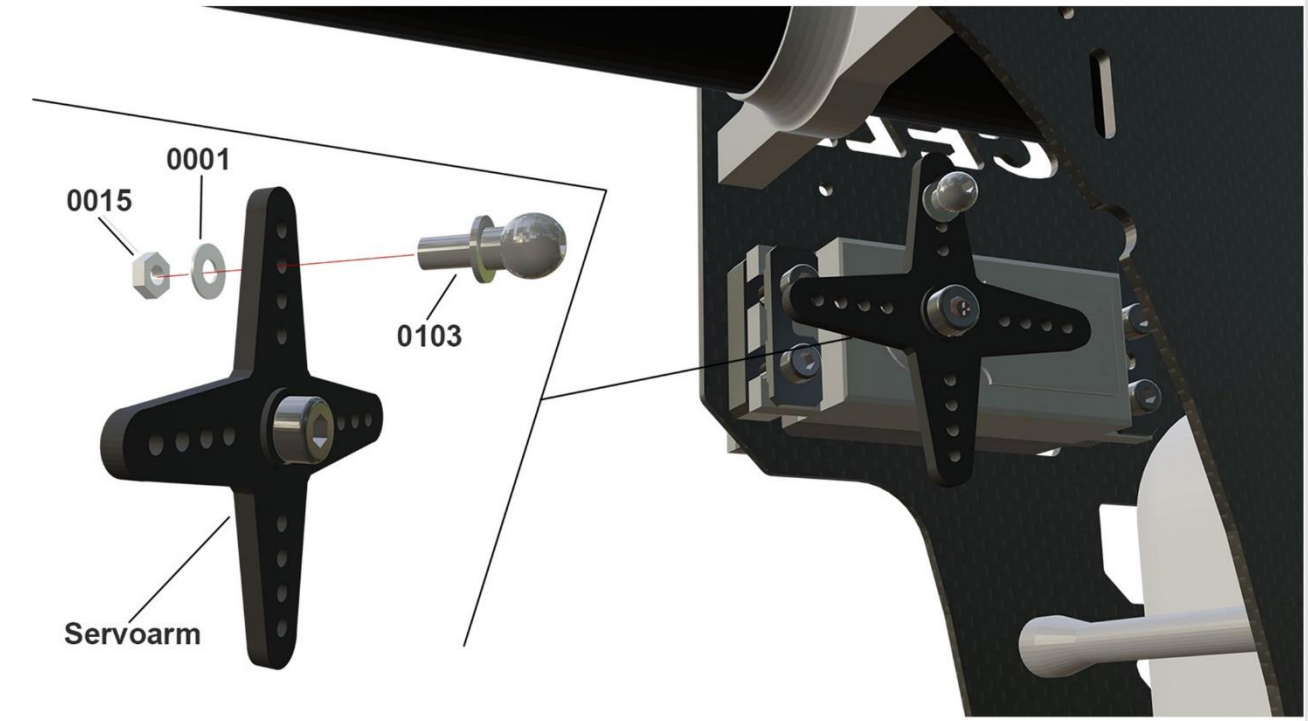
Apply a small amount of medium thread lock when threading into metal parts.



0059-6 x 4

M2.5 x 16mm

Apply a small amount of medium thread lock when threading into metal parts.



0001 x 1

M2

0015 x 1

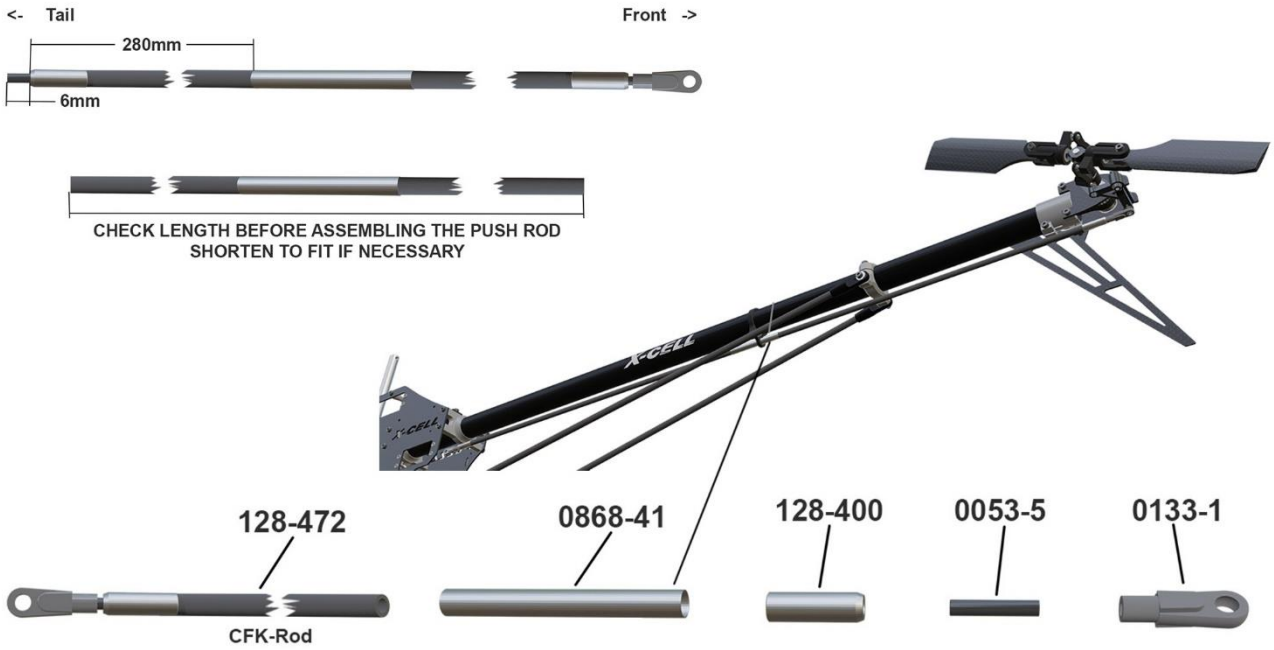
M2

0103 x 1

M2 x 5.3

Tail servo arm: Mount the threaded control ball into the servo horn 14-17mm from the center of the horn.

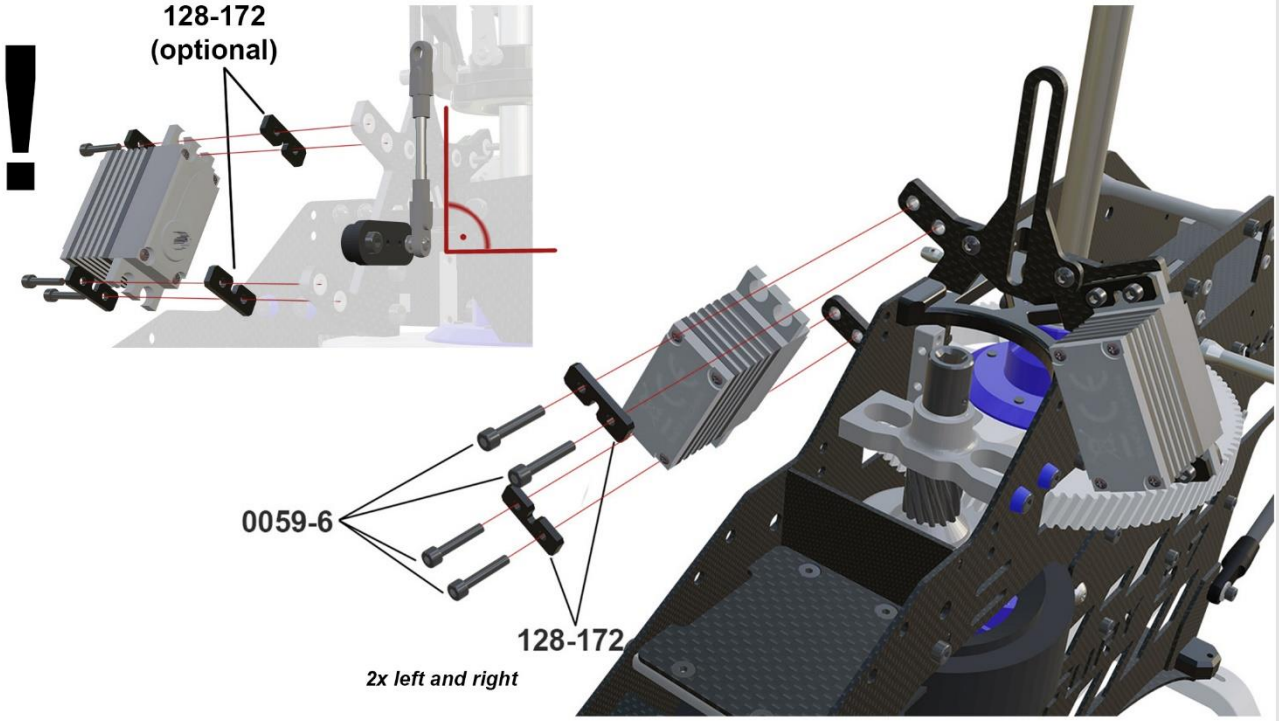
Apply a small amount of medium thread lock when threading into metal parts.



0053-5 x 2

M3 x 16mm

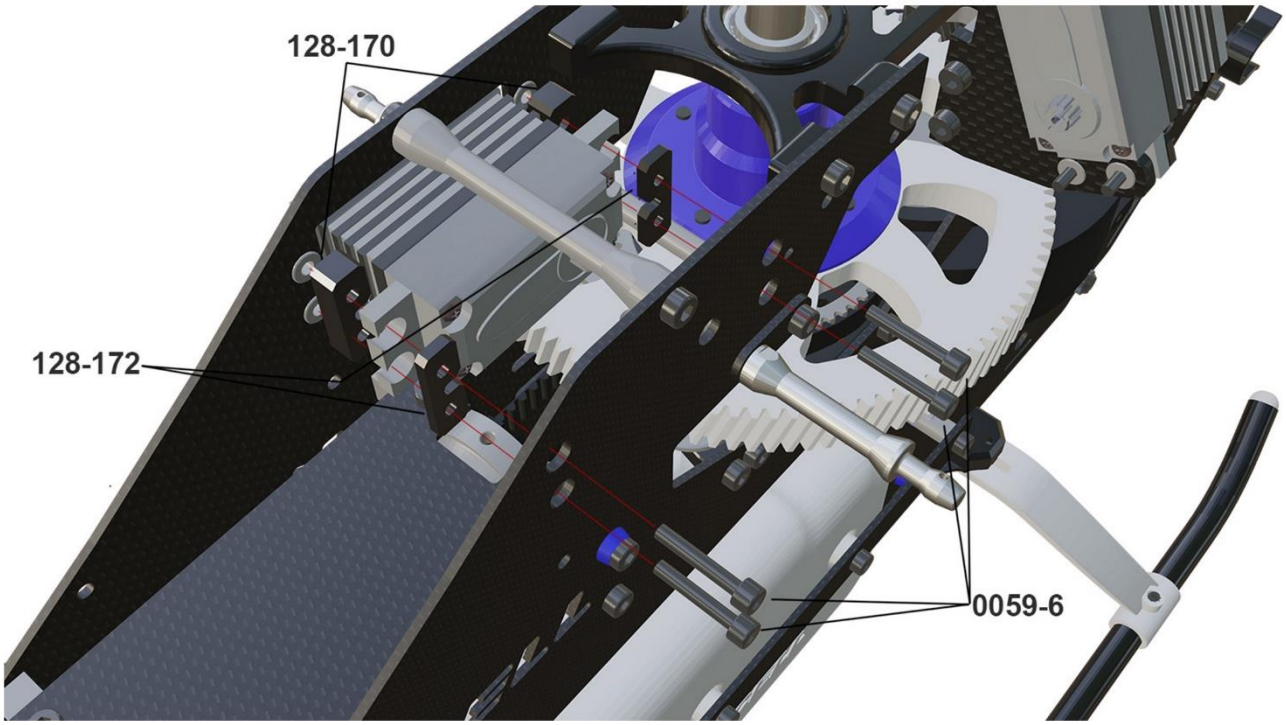
Assembly Tip: Install the 0053-5 set screws into the push rod ends using thread lock. Install 0868-41 and 0868-5 before installing the push rod ends. Put all parts together and check length of the push rod. Shorten carbon tube is nescessary.
Use some high quality two-component epoxy to glue the push rod ends and part 0868-41 to the carbon tube. Put epoxy at the inside and the outside of the carbon tube to glue the push rod ends at it.



0059-6 x 8

M2.5 x 16mm

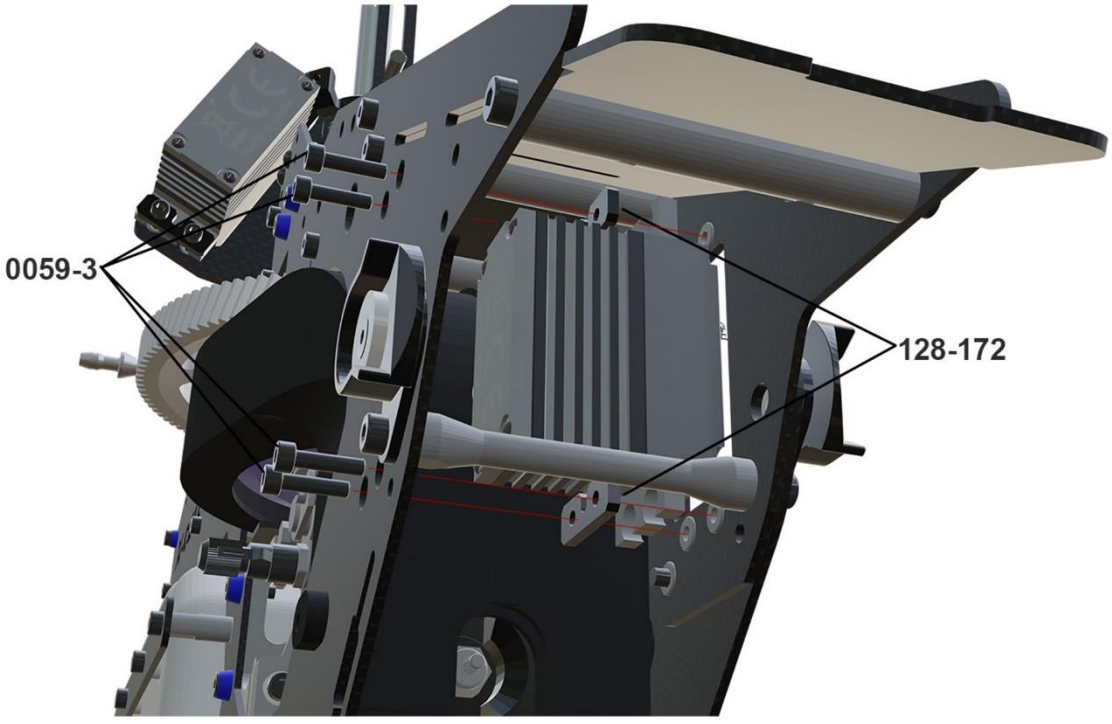
Apply a small amount of medium thread lock when threading into metal parts.



0059-6 x 4

M2.5 x 16mm

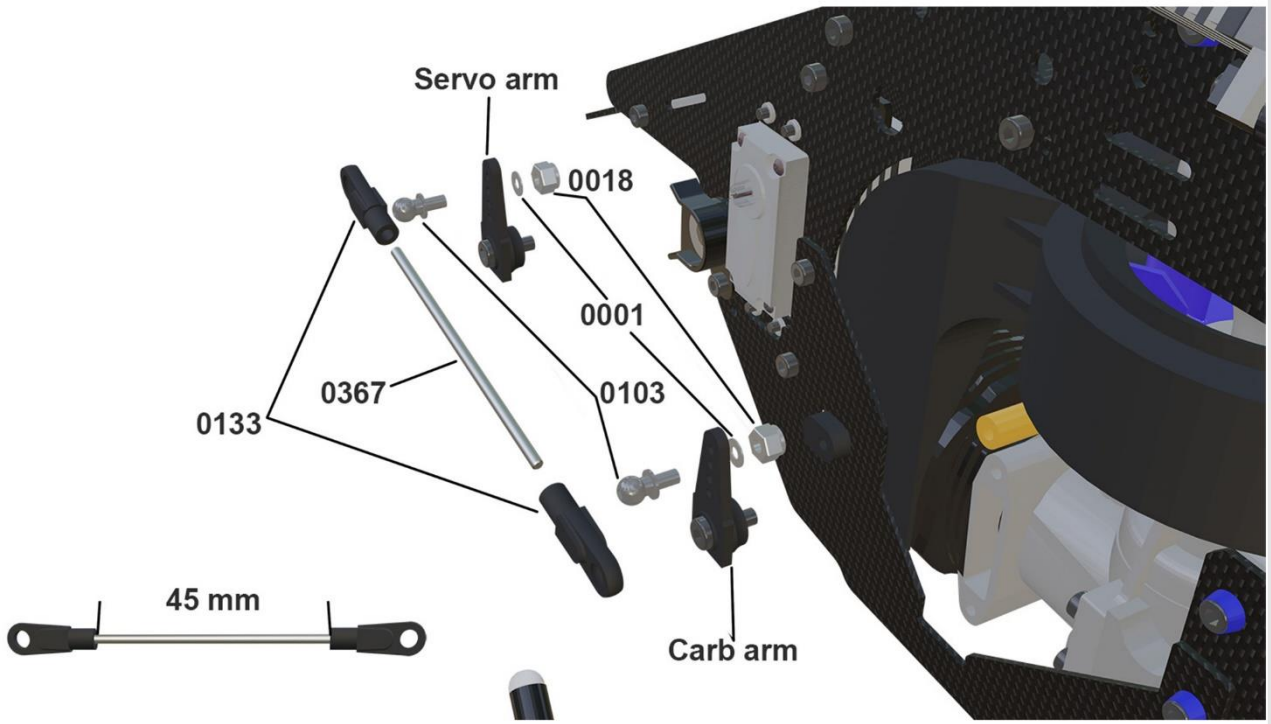
Apply a small amount of medium thread lock when threading into metal parts.



0059-3 x 4

M2.5 x 10mm

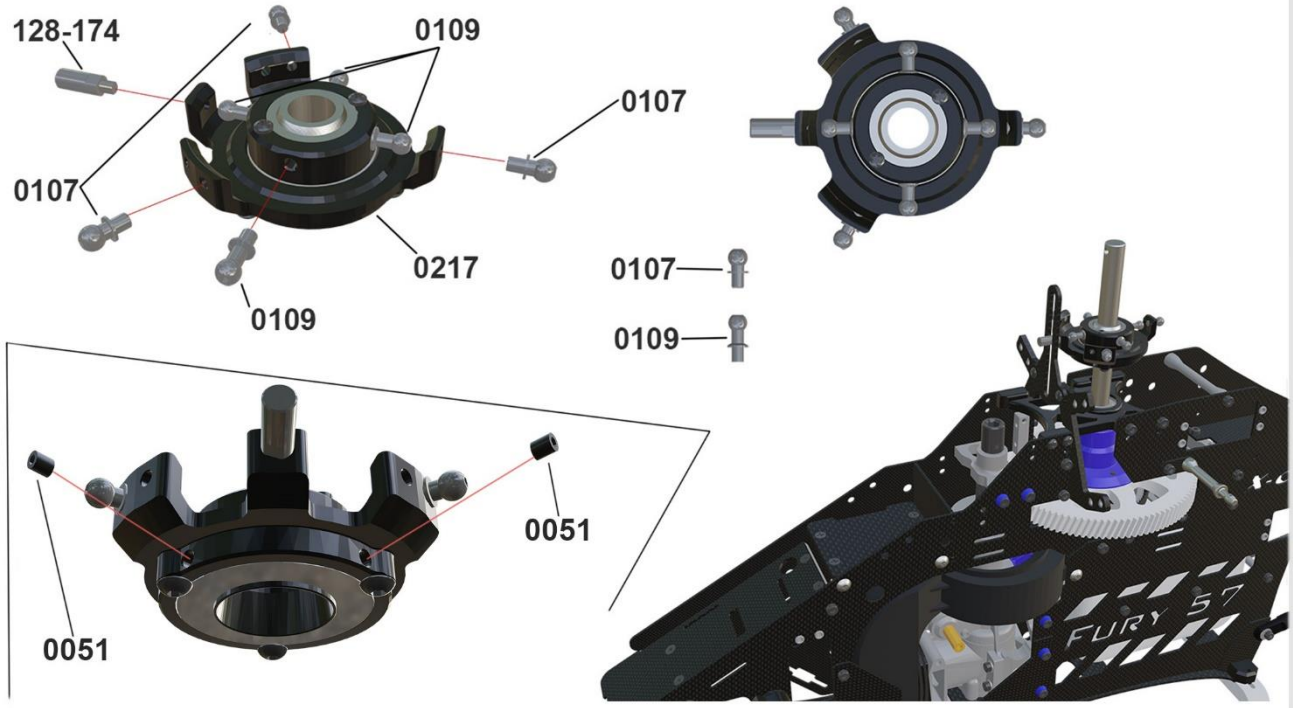
Apply a small amount of medium thread lock when threading into metal parts.



0001 x 2
M2

0018 x 2
M2

0103 x 2
M2 x 5.3



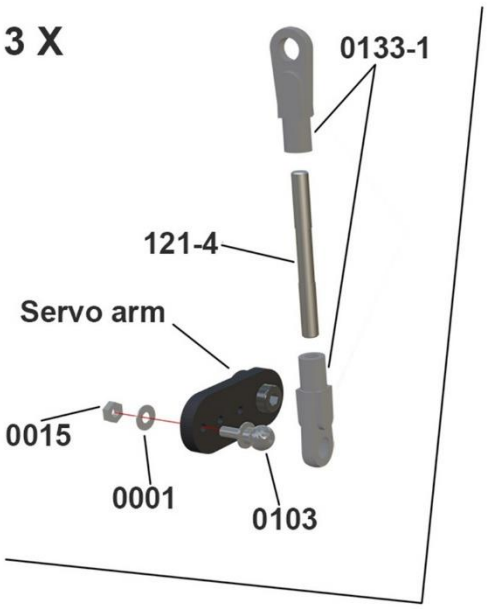
0107 x 3
M3 x 6mm

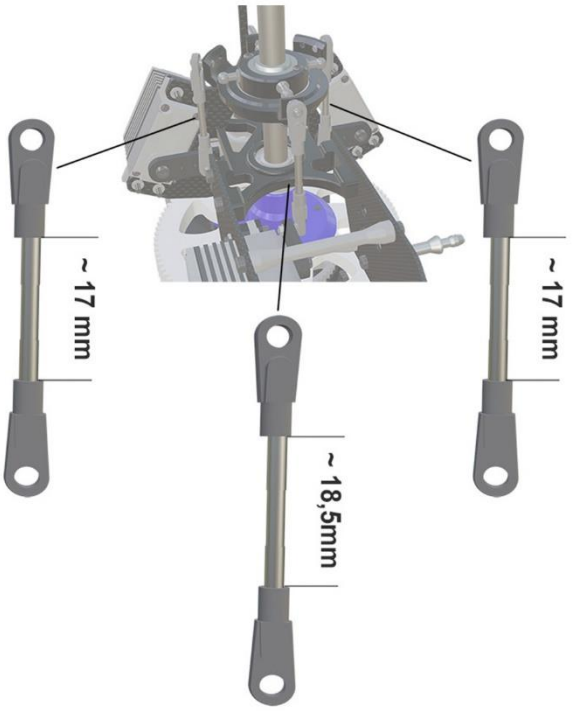
0109 x 4
M3 x 8mm

0051 x 2
M3 x 3mm

Thread in the MA0051 m3x3 socket set screwsinto the base of the swashplate only until they bottom out against the lower bearing. They are only used to apply slight pressure on the bearing to remove any play associated with bearing wear. If too much pressure is applied with the MA0051 m3x3 socket set screws, the bearing will feel "notchy" and the set screws need to be loosened slightly.

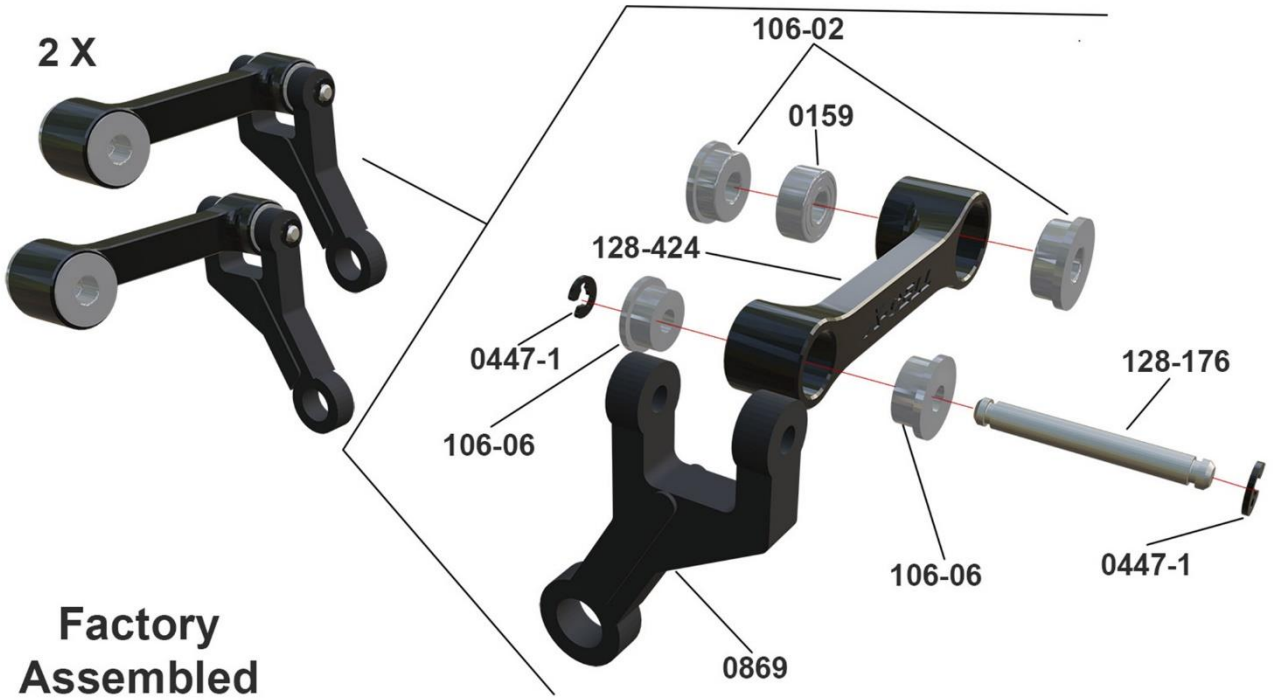
Apply a small amount of medium thread lock when threading into metal parts.

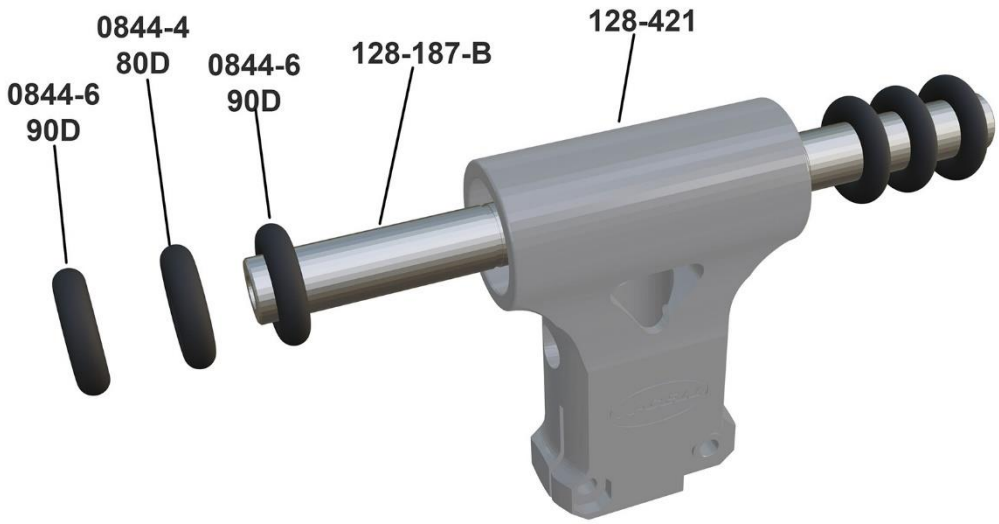




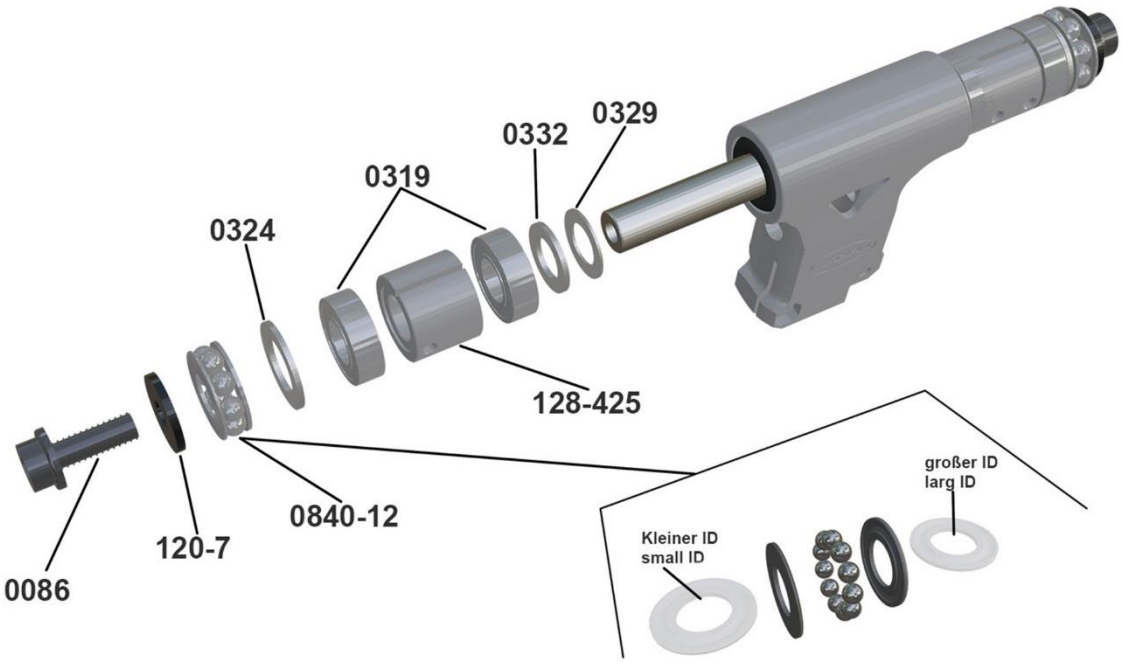
Cyclic servo arms: On the Fury 57 it is very important to mount the threaded control ball 19-20mm from the center of the servo spline.

Apply a small amount of medium thread lock when threading into metal parts.





Assembly Tip: Apply some grease, vaseline or tallow to the O-rings and to the spindle shaft.



Assembly Tip: Take care about the orientation of part 128-425. Compare its orientation to fit part 128-422.
Apply some synthetic grease to bearing 0840-12.

Apply a small amount of medium thread lock when threading into metal parts.

0086 x 2

M5 x 12mm

120-7 x 2

M5 x 15mm CF

0324 x 2

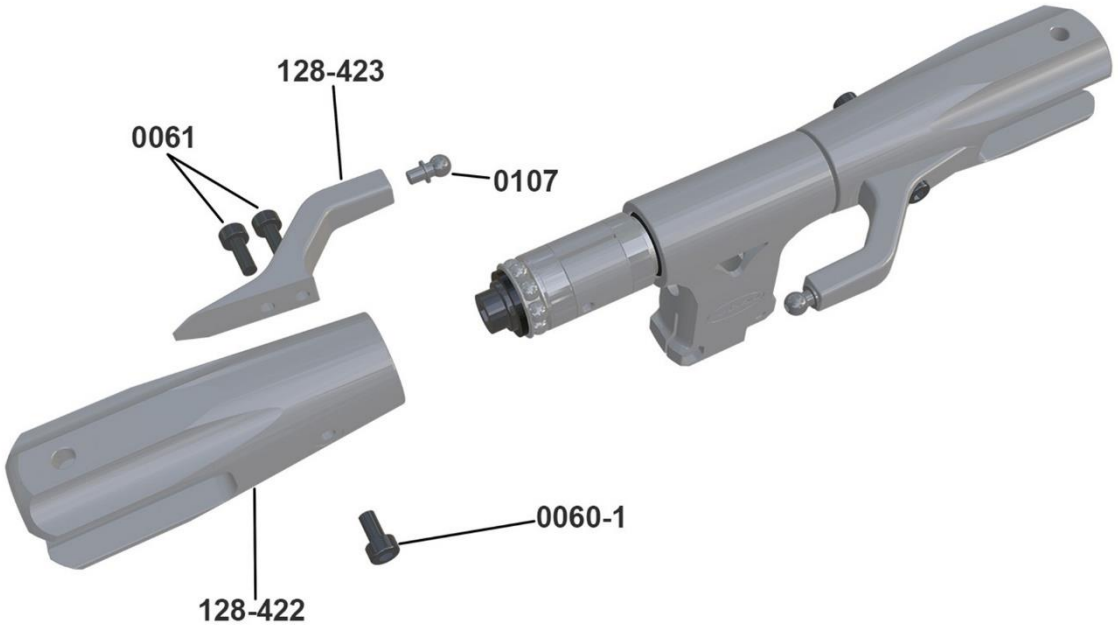
10.75 x 16mm

0332 x 2

8 x 13 x 1mm

0329 x 2

8 x 13 x 0.25mm



0060-1 x 2

M3 x 6mm

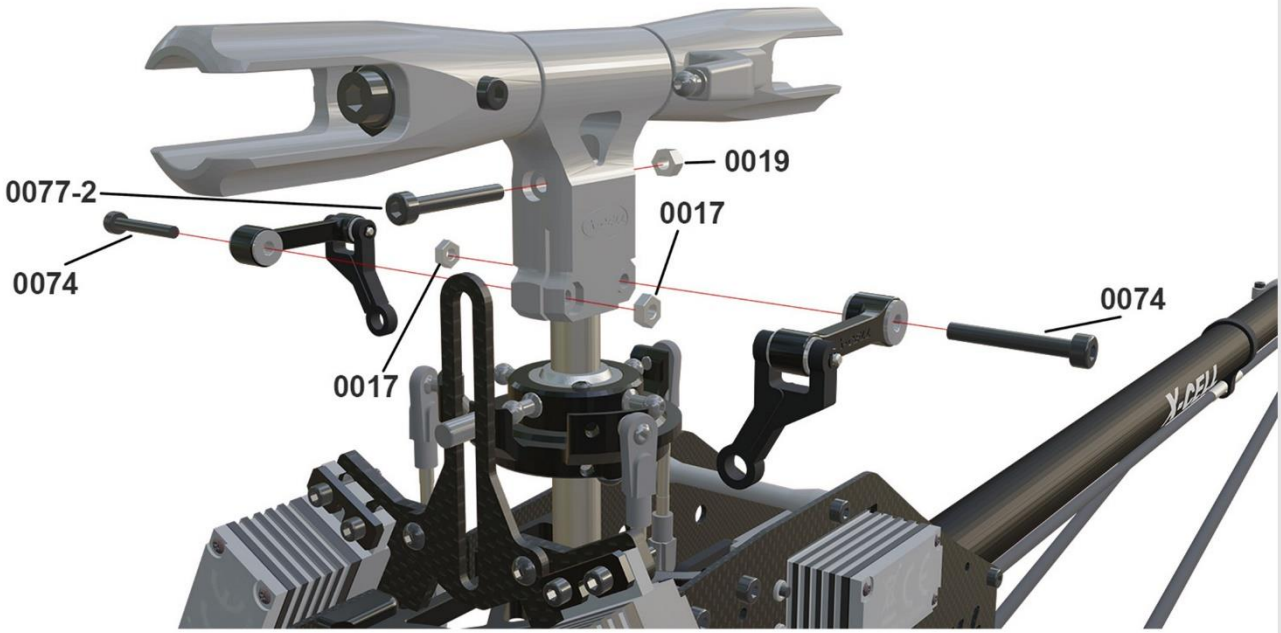
0061 x 4

M3 x 8mm

0107 x 2

M3 x 6mm

Apply a small amount of medium thread lock when threading into metal parts.



0074 x 2

M3 x 22mm

0077-2 x 1

M3 x 23mm

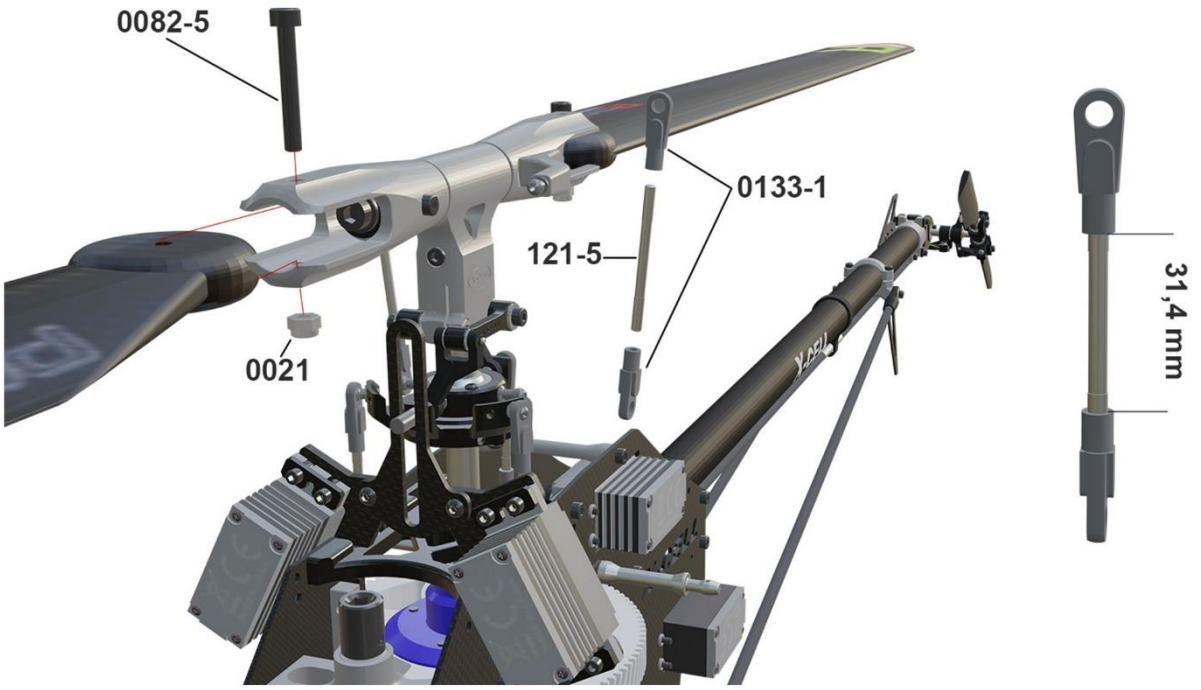
0019 x 2

M3

0017 x 2

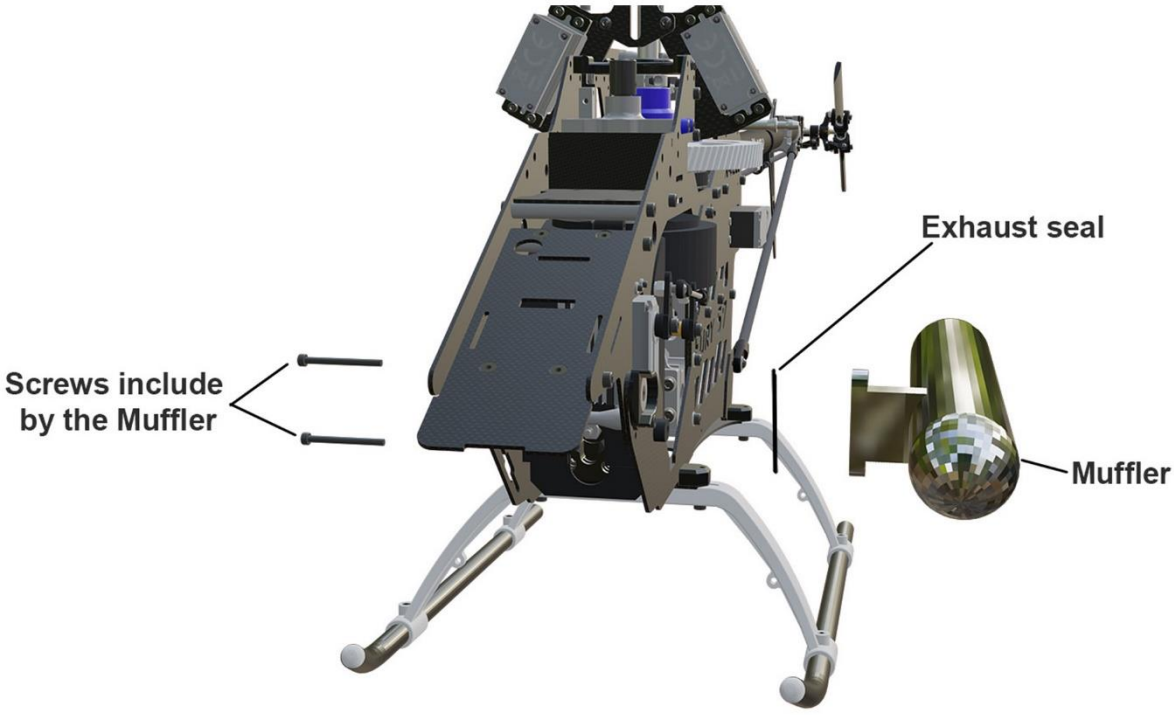
M3

Apply a small amount of medium thread lock when threading into metal parts.


0082-5
0133-1
121-5
0021
31,4 mm


0082-5
x 2
M4 x 30mm


0021
x 2
M4


Exhaust seal
Screws include
by the Muffler
Muffler


106-22
128-463
120-99

PARTS LIST SECTION

106-22

Rubber Grommet M5 x 11

115-65

Fuel Line

120-99

Knurled Canopy Knob

121-4

Control Rod

121-5

Control Rod

122-65-C

Stell tail Hub

127-15

13T Tailrotor Pulley

127-16

Tailrotor Output Shaft

127-53

Plastic Struts Black

127-54

Aluminium Skid Black

127-54A

Skid Plug Black

128-17-B

Left Servo Mount

128-18-B

Right Servo Mount

128-19-B

Boom Clamp Plate

128-22

Fan Shroud Mount

128-25

Shroud Seal

128-28-B

Left Front Frame Plate

128-34

Battery Tray

128-40

Lower Mainshaft Block

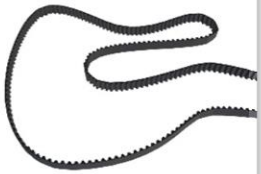
128-43-B

Main Shaft

128-46

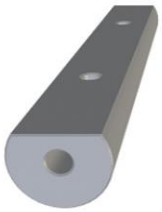
60T Tail Drive Pulley

128-47



Drive Belt

128-57



Aluminium Tray Mount

128-58

Frame Spacers

128-59

Front Boom Support Spacer

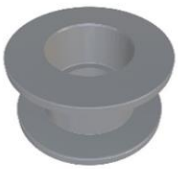
128-65

Landing Gear Mounting Block

128-67

Pulley Mount

128-70-B



Aluminium Pulley

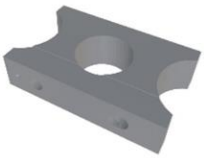
128-80

Aluminium Boom Clamp

128-82

Aluminium Motor Mount Base

128-83



Motor Mount

128-85

Tank Mounting Plate

128-88

Rubber Fuel Tank Mount

128-90

Tank Plate Stud Mount

128-92

Rubber Fuel Tank Plug

128-94

Fuel Nipple

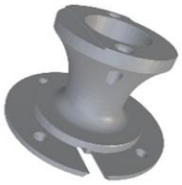
128-96-S

Fuel Clunk

128-99

Fuel Tank

128-102



Aluminium Fan Hub

128-104

Aluminium Fan

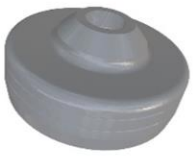
128-106

Clutch

128-109

Start Shaft

128-111



Clutch Bell

128-413

Pinion

128-118

6mm Hex Starting Adaptor

128-120

Clutch Drive Bearing Block

128-123

Fan Shroud Left + Right

128-125

Shroud Deflector

128-128

O-Ring

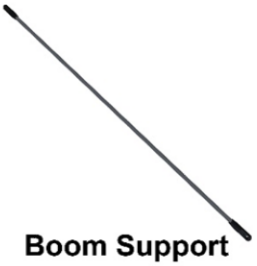
128-140

Aluminium Tail Boom

128-144

Plastic Pushrod Guide

128-148



Boom Support

128-149

Boom Support Clamb

128-155

Aluminium Clamb

128-156

M3 Threaded Bearing Stud

128-157-B

Ball Bearimg Idler

128-158

Aluminium Bellcrank Mount

128-159

Tail Rotor Pitch Slider

128-65-B

Tail Plate

128-165-C

Tail Bearing Support

128-167

Vertical Fin

128-170

Plastic Servo Block

128-172

Servo Spacer

128-174

Swashplate Guide Pin

128-176

M2 Washout Pivot Pins

128-187-B

8mm Head Axle

128-316

Antirotation Guide

128-400

Push Rod End

128-410

Main Frame Right

128-412

Frame Doubler

128-411

Main Frame Left

128-415

Bottom Plate

128-422

Blade Grip

128-421

Head Block

128-423

Pitch Arm

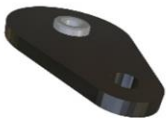
128-424

Swashplate Follower

128-425

Aluminium Sleeve

128-437

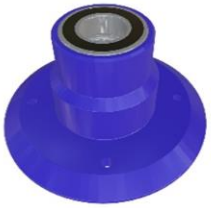


Front Breakaway Mounts

128-438

Saftey Shield

128-450



Autorotation Hub

128-453

Gyro Plate

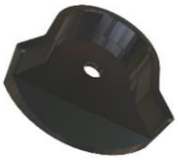
128-461

Rear Canopy Mount

128-463

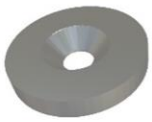
Magnet

128-464



Front Canopy Mount

128-464-1



Canopy Magnet Support

0868-41

Push Rod Sleeve

128-472

Tail Control Rod

129-37

Breakaway Mounts

129-40

Upper Mainshaft Block

129-455

103T Helical Main Gear

131-452

Splint

0133

Ball Link

0133-1

Ball Link

0217-B 0217

10mm Swashplate 120 Degree

0225

M2 x 13.7 Steel Pins

0279

Clutch Liner

0367

Threaded Rod M2x60

0435

M5 Brass T/R Control Slider

0437

Plastic Control Slider Ring

0440

Pivot Pin Style T/R Pitch Yoke

0442

Pivot Pin Style T/R Pitch Links

0443

M6 Push On Retaining Clip

0445

Plastic Tailrotor Bellcrank

0447-1

M2 External Locking Clips

0586-16

Corner Block

3700-155

Delrin Blade Spaces

0844-4

O - Ring 80D

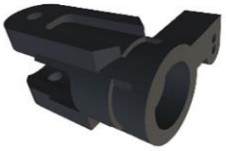
0844-6

O - Ring 90D

0868-5

Plastic Rod Guide

0873-1



Plastic Blade Tail Rotor Mount

0875-1

Main Shaft Collar

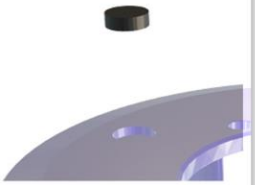
0597-3

M3 x 4.75 x 0.184 Brass Spacer

0869

Plastic Washout Links

4500-100



Magnet

128-204

Fury 57 Canopy Fire

128-203

Fury 57 Canopy Snake

128-202

Fury 57 Canopy Racing Green

128-205

Fury 57 Canopy Neon Pink

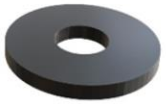
128-206

Fury 57 Canopy Angry Bird

128-207

Fury 57 Canopy Colorful

HARDWARE

0001 M2	0003  M3	0007  M6	0009  M3 (small)	0011-CF  M5 CF
0014-F  M5 (fine)	0015  M2	0016-2  M4	0017  M3	0018  M2
0019  M3	0021  M4	0029  M2.2 x 13mm	0032  M2.9 x 9.5mm	0032-2  M3 x 8mm
0049-1  M2 x 12mm	0051  M3 x 3mm	0053  M3 x 5mm	0053-5  M3 x 16mm	0056  M3 x 5mm
0057  M4 x 4mm	0058-1  M4 x 6mm	0058-5  M5 x 6mm	0058-6  M5 x 5mm	0059-1  M2.5 x 6mm

0086

M5 x 12mm

0088

M3 x 8mm

0088-2

M3 x 6mm

0091

M3 x 16mm

0101

M2 x 5.3mm

0103

M2 x 5.3

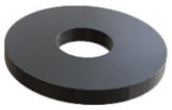
0107

M3 x 6mm

0109

M3 x 8mm

120-7



M5 x 15mm CF

0332

8 x 13 x 1mm

122-70

M5 x .25mm

0273

M6 x 10 x .28mm

0324

10.75 x 16mm

0329

8 x 13 x 0.25mm

0331

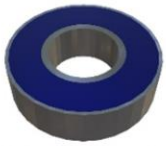
8 x 13 x 0.5mm

2700-01

M3 (blue)

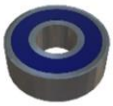
BALL BEARING

122-47



M10 x 22 x 6
Sealed Bearing

105-70



M6 x 15 x 5
Ball Bearing

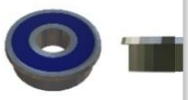
128-121

M6 x 13 x 5
Ball Bearing

106-02

M3 x 7 x 3
Flanged Bearing

128-162



M5 x 13 x 4
Flanged Bearing

106-06

M2 x 5 x 1,5
Flanged Bearing

120-39

M5 x 10 x 4
Ball Bearing

127-17

M3 x 8 x 4
Flanged Bearing

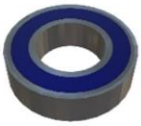
131-66

M5 x 10
Thrust Bearing

0159

M3 x 7 x 3
Ball Bearing

0183



M10 x 19 x 5
Ball Bearing

0208

M10 x 12 One Way
Torrington

0283

M6 x 10 x 3
Flanged Bearing

127-17-C

M3 x 8 x 53
Ball Bearing

0439

M6 x 10 x 2,5
Open Ball Bearing

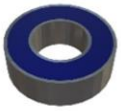
0840-12

M8 x 16
Thrust Bearing

120-39-3

M5 x 10 x 3
Ball Bearing

0319



M8 x 16 x 5
Ball Bearing