

# Heli-Max™



## INSTRUCTION MANUAL



**Rotor Diameter:** 23 in [588mm]  
**Weight:** 20.5–23 oz [580–650 g]  
**Length:** 25 in [630mm]  
**Height:** 9 in [225mm]  
**Motor:** 200W brushless, 28mm diameter

## WARRANTY

Heli-Max™ guarantees this kit to be free from defects in both material and workmanship at the date of purchase. This warranty does not cover any component parts damaged by use or modification. **In no case shall Heli-Max's liability exceed the original cost of the purchased kit.** Further, Heli-Max reserves the right to change or modify this warranty without notice.

In that Heli-Max has no control over the final assembly or material used for final assembly, no liability shall be assumed nor accepted for any damage resulting from the use by the user of the final user-assembled product. By the act of using the user-assembled product, the user accepts all resulting liability.

**If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to return this kit immediately in new and unused condition to the place of purchase.**

To make a warranty claim, send the defective part or item to Hobby Services at this address.

**Hobby Services  
3002 N. Apollo Dr. Suite 1  
Champaign IL 61822  
USA**

Include a letter stating your name, return shipping address, as much contact information as possible (daytime telephone number, fax number, e-mail address), a detailed description of the problem and a photocopy of the purchase receipt. Upon receipt of the package the problem will be evaluated as quickly as possible.

**READ THROUGH THIS INSTRUCTION MANUAL FIRST. IT CONTAINS IMPORTANT INSTRUCTIONS AND WARNINGS CONCERNING THE ASSEMBLY AND USE OF THIS MODEL.**

# Heli-Max™

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HMXZ7010 for HMXE0200 V2.0

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## INTRODUCTION

The Heli-Max MX400 ARF is a fully aerobatic-capable helicopter, offering the performance and flying manners of a 30-sized machine in a much smaller and more convenient package. The MX400 is no “toy” helicopter. With its double-damped head, belt-driven tail rotor, and aluminum frames, this is a “real” helicopter, ready to fly anywhere you can find a safe landing pad.

Take care to build straight and true. Misaligned parts will hurt the helicopter's ability to perform the extreme aerobatics it is designed for.

For the latest technical updates or manual corrections to the MX400 visit the Heli-Max web site at [www.bestrc.com/helimax](http://www.bestrc.com/helimax). Open the “Helicopters” link, and then select the MX400 ARF. If there is new technical information or changes to this model a “tech notice” box will appear in the upper left corner of the page.

**CAUTION:** Be aware that the MX400 is operated on the same frequency band as larger R/C models. If flying your heli within five miles of an R/C site, there is a real possibility that you could be operating your model on the same frequency (channel) as another R/C pilot. If this happens, a crash will result—with the person flying the more expensive model suffering the greater loss (and having greater potential for property damage or injury). The best thing to do is to join an R/C club and fly at the site where frequency control measures will be in effect. If you insist on flying elsewhere, **always be aware of your proximity to R/C flying sites.**

## DECISIONS YOU MUST MAKE

In the hands of a capable pilot, the MX400 is an impressive 3D performer. But for this helicopter to perform to its full potential, it must be properly equipped with all the right gear (servos, batteries, receiver, speed control). There may be more than one type and brand of radio equipment that can be used. But based on extensive testing, following is the equipment we recommend so you can get the most performance out of your MX400 and assemble it as shown in this instruction manual.

### Transmitter

At a minimum, this helicopter requires the use of a six-channel helicopter transmitter capable of mixing between the throttle and collective pitch channels. However, to unleash the full aerobatic potential of the MX400, you will need a computer radio capable of at least two sets of throttle and pitch curves. The Futaba® 6EXH radio is an excellent entry-level radio for use with this helicopter. For more programming capability, any of Futaba's higher channel-count computer helicopter radios will work very well. FUTK60\*\* or FUTK61\*\*

### Servos

You will need four servos for the MX400. The servos should weigh less than 10 grams apiece, and should have a minimum torque output of 14 oz-in. A good speed rating is also important for helicopters, and we recommend that you choose servos with a speed of 0.12sec/60deg or less. We recommend the Futaba S3103 (FUTM0037) and S3107 (FUTM0025) for use with this helicopter. Note: The Futaba S3108 servo will not mount to this helicopter without modification, and is therefore not recommended.

### Receiver

You will need a 6-channel receiver for this helicopter. A small PCM receiver is strongly recommended for the noise rejection and failsafe capabilities that PCM offers. We recommend the Futaba R146iP receiver (FUTL0601) You will also need a single conversion crystal to use with this receiver. While most Futaba receivers are sold on high and low bands, the R146iP is not banded and can use either high or low band crystals.

Low band (channels 11 – 35)	Crystal FUTL62**
High band (channels 36 – 60)	Crystal FUTL63**

\*\*Replace the “\*\*” in the order number for the crystals with the preferred channel number. For example, if you want to fly on channel 33, order crystal number FUTL6233.

### Gyro Recommendation

We recommend the use of a heading-hold gyro with this helicopter. The Futaba GY240 gyro (FUTM0809) is an excellent choice.

### Battery

The MX400 requires a 1200-2000 mAh 3-cell Lithium-Polymer (LiPo) battery capable of delivering 15A of current continuously. We recommend the ElectriFly™ 3S 1250 mAh pack (GPMP0823). This battery will deliver approximately 7 minutes of flight time with the recommended motor and speed control.

### Motor

You will need a brushless motor capable of handling 15A of continuous current, and up to 22A in bursts. The motor should also have a kV rating of 2500-3000 RPM/V for use with the included pinion. We recommend the Heli-Max 6-pole brushless motor (HMXG1001).

### Speed Control

A 25-Amp or better brushless electronic speed control (ESC) is required for this helicopter. We recommend the Heli-Max 25A Brushless ESC (HMXM3000).

### Charger

A charger capable of charging 3-cell (11.1V) LiPo batteries such as the ElectriFly PolyCharge 1-3-cell LiPo charger (GPMM3010) must be used. If using another charger, it **must** be a LiPo charger or have a LiPo charge mode. Never charge LiPo batteries with chargers not intended for LiPo batteries or chargers on NiMH or NiCd settings. Overcharging or explosion may result. In addition to the PolyCharge, the ElectriFly Triton™ (GPMM3150) and Accu-Cycle Elite™ (HCAPO280) are also suitable chargers.

### Battery Charging Leads

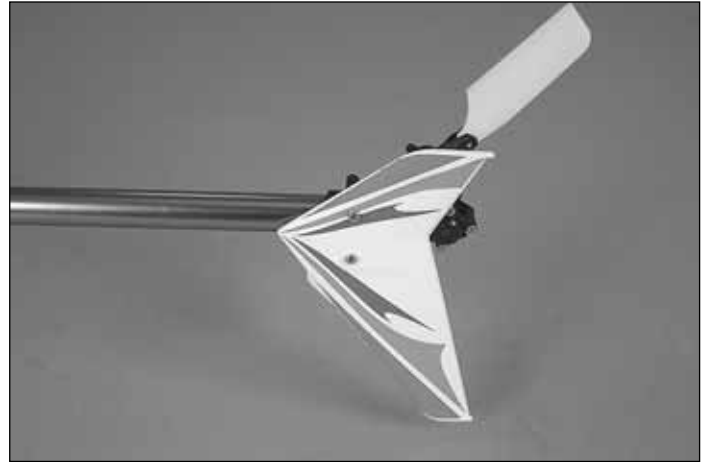
Many chargers (including the Triton and Accu-Cycle Elite listed above) do not include charging leads, but rather have banana jacks to plug the leads into. If this is the case with your charger, you will need to purchase a charge lead to match your battery. For the recommended 1250 mAh pack, the correct lead is GPMM3105.

## IMPORTANT!

### INSPECT YOUR HELICOPTER

Check all screws on the helicopter for tightness. If any screws are loose, tighten them before flying. If any machine screw that threads into a metal part is loose, be sure to secure it with a drop of threadlocking compound. This check should include the tail blade grip screws, which will require removal of the tail rotor blades.

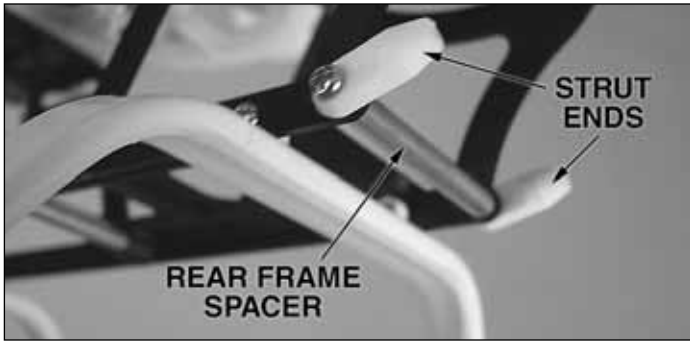
## ASSEMBLE THE TAIL



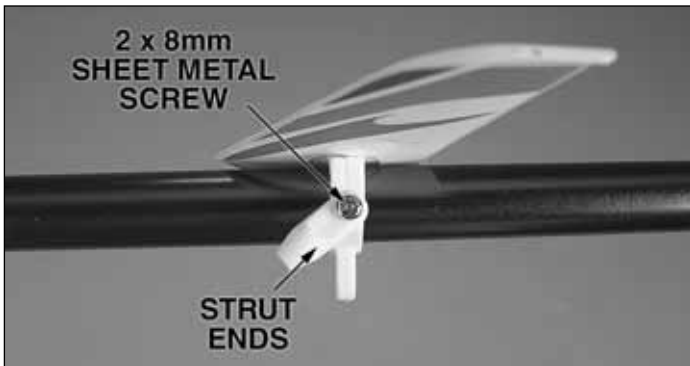
1. Remove the fin from the tail gearcase. Apply the decals to the fin and reinstall it.



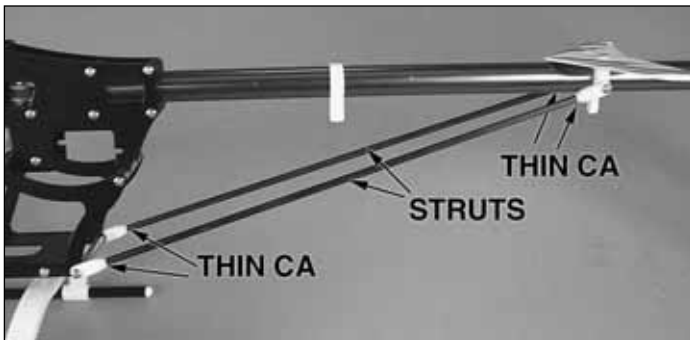
2. Apply the decals to the horizontal stabilizer. Install it and the horizontal stabilizer bracket onto the tail boom with two 2 x 8mm sheet metal screws. Do not fully tighten the screws at this time.



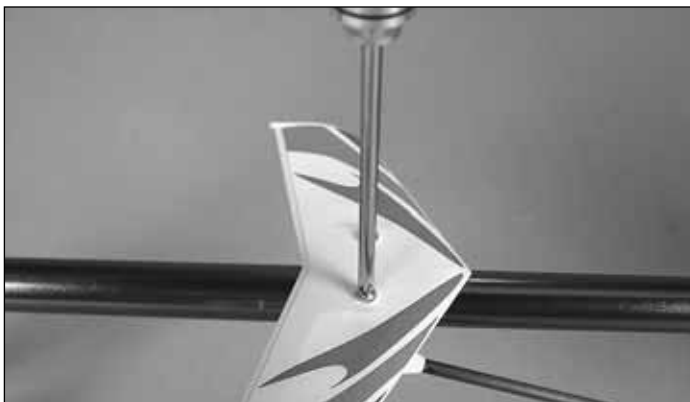
3. Secure two tail strut ends and the rear frame spacer to the frames with two 2x10mm machine screws as shown. Use a drop of threadlocker to secure each screw.



4. Secure two tail strut ends to the horizontal stabilizer bracket with 2x8mm sheet metal screws.

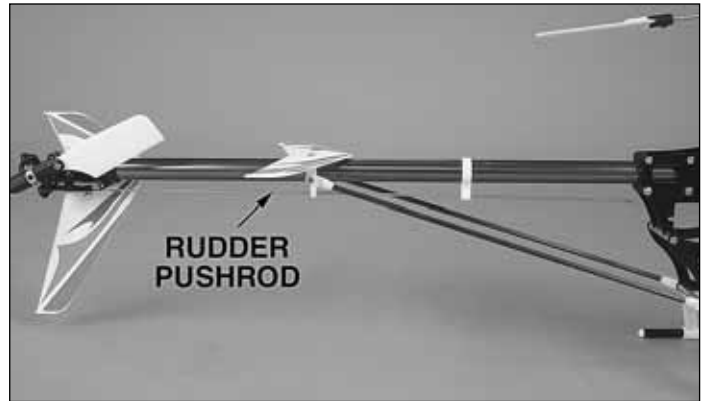


5. Insert the carbon fiber tail struts into the strut ends. Secure each end with a drop of thin CA.



6. Finalize the position of the horizontal stabilizer bracket, and tighten the horizontal stabilizer screws to hold the assembly firmly in place. Do not over tighten.

## INSTALL THE PUSHRODS



1. With the Z-bend towards the front, slide the rudder pushrod back through both supports on the tail boom.



2. Screw a ball link onto the threaded end of the rudder pushrod.



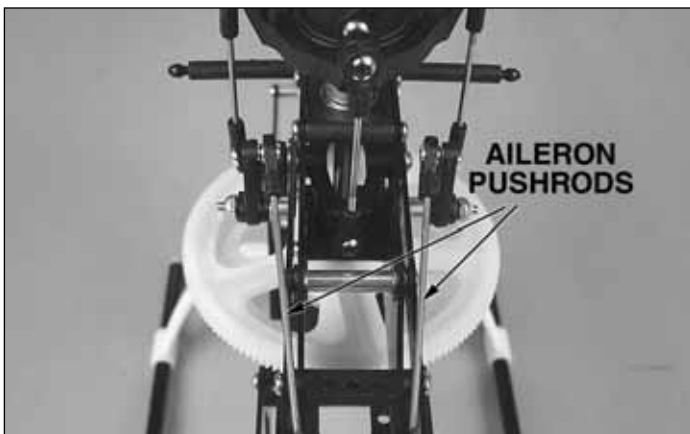
3. Connect the ball link to the ball on the tail rotor pitch control horn. Check to see that the ball link runs freely on the ball, and loosen it if necessary using the following Heli-Max Tip.



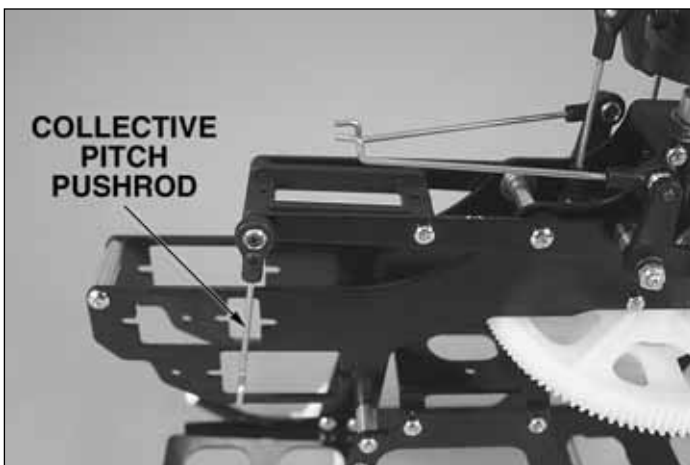
### HELI-MAX TIP

#### How to adjust the fit of ball links.

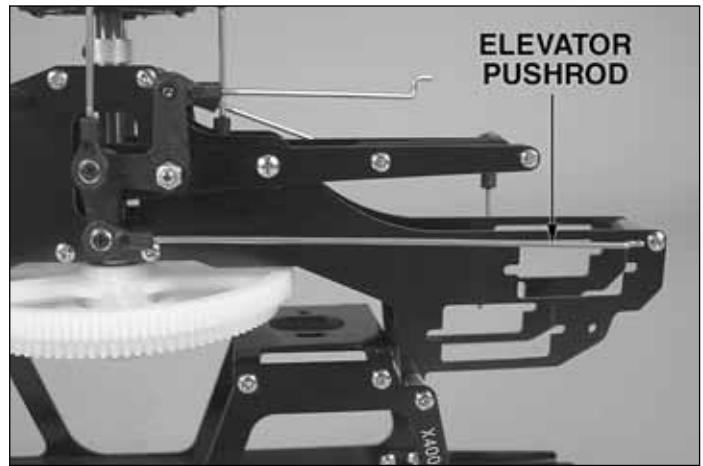
If a ball link does not twist freely on its ball, squeeze it firmly with a pair of needle-nose pliers *while it is installed on the ball*.



4. Connect the aileron pushrods as shown. Check the ball links and adjust the fit if necessary.

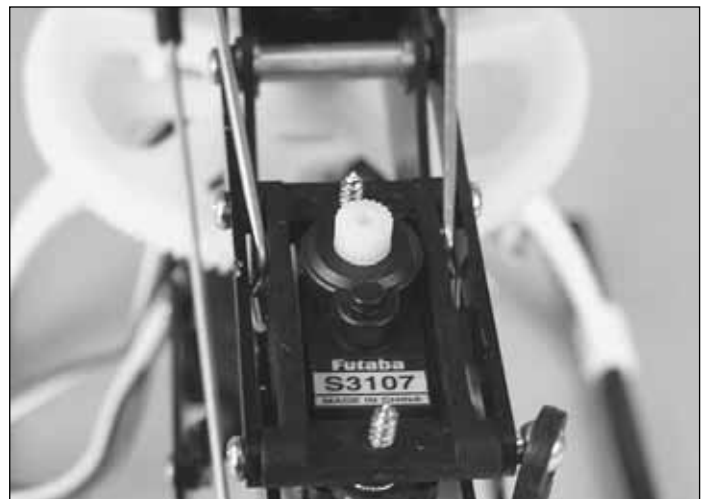


5. Connect the collective pitch pushrod as shown. Check the ball link and adjust the fit if necessary.



6. Connect the elevator pushrod. Check the ball link and adjust the fit if necessary.

## INSTALL THE SERVOS

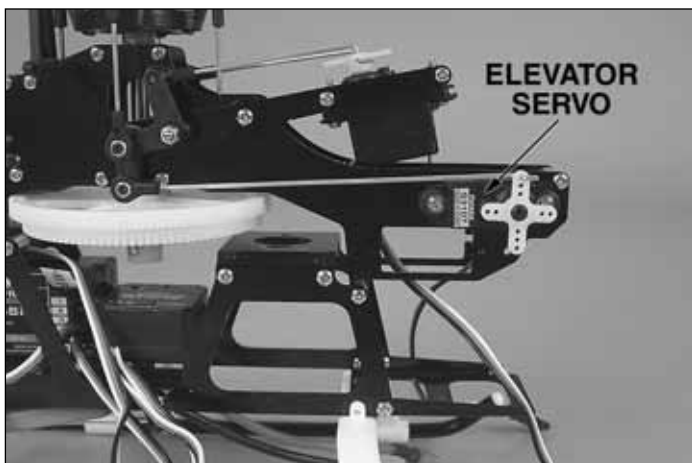


1. Install the aileron servo in its tray. If using the recommended Futaba servos, you will need to install the eyelets upside down in your servo, and install the servo under the tray, with the screws running up into the tray.

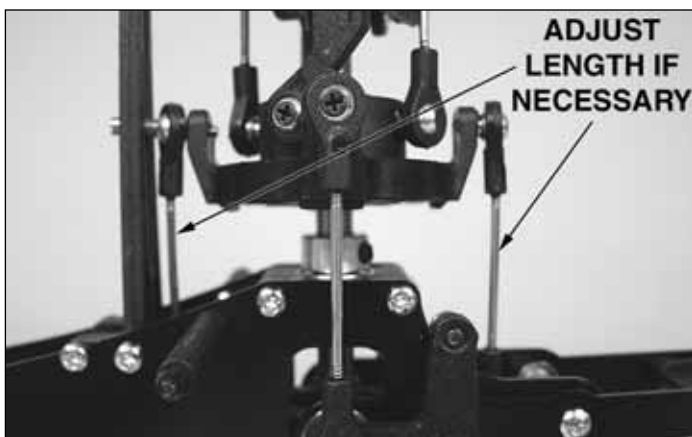


2. Center the aileron servo. Install the aileron pushrods through the servo arm and install the servo arm on the servo as shown. With the servo centered, the two aileron control horns should be even with one another. If they are not, adjust the pushrod until they are. Once you have the aileron control horns even, check to make sure that the

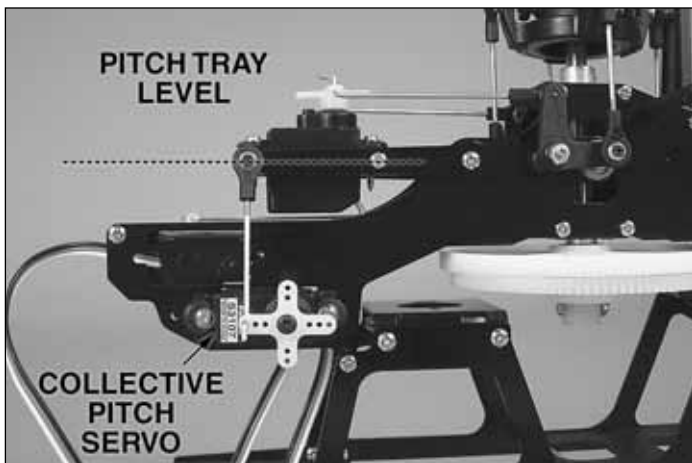
swash plate is level when viewed from the front. If it is not, adjust the linkages from the aileron control horns to the swash plate until the swash plate is level.



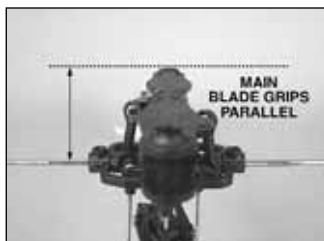
3. Using two plastic servo screw nuts, install the elevator servo as shown. With the elevator servo centered, the elevator control horn should be vertical. If the control horn is not vertical, adjust the elevator pushrod until it is.



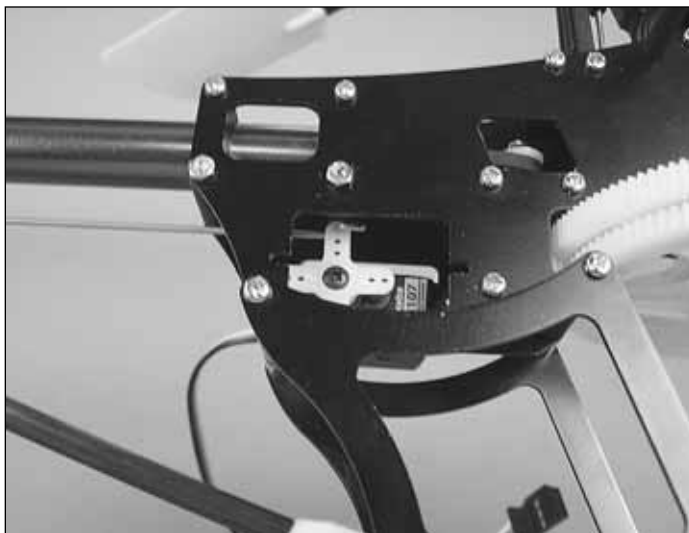
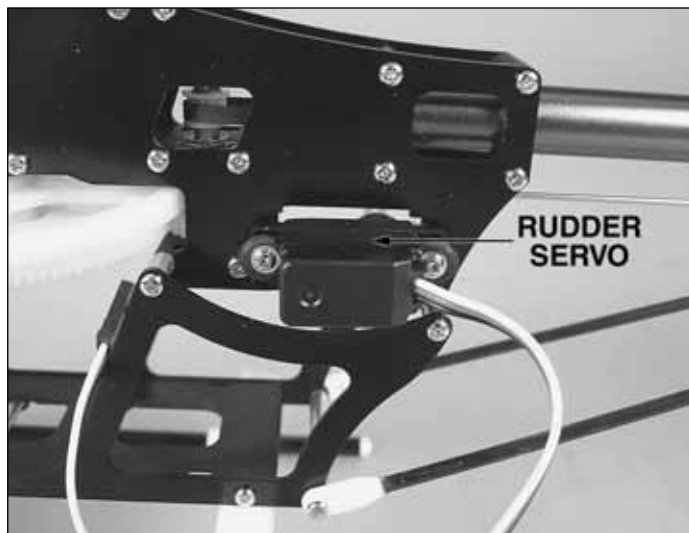
4. With the elevator control horn vertical, the swash plate should be level when viewed from the side. If it is not, adjust the length of the elevator swashplate linkages.



5. Install the collective pitch servo as shown. With the servo centered, the pitch pivot tray should be level. If it is not, adjust the length of the pushrod until it is.

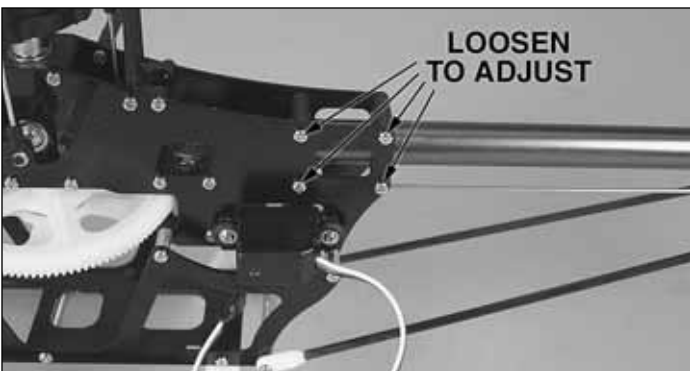
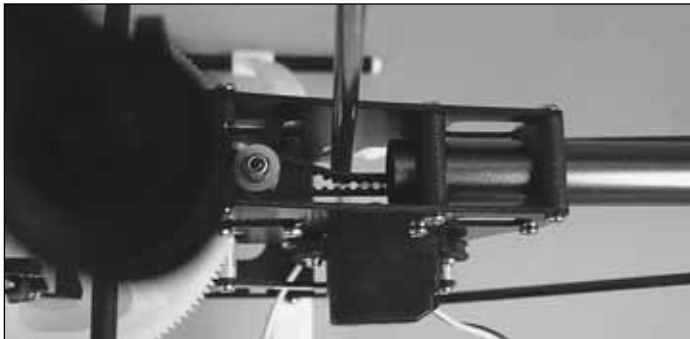


6. With the servo centered and the pitch tray level, the main blade grips should be parallel to each other. If they are not, adjust the length of the linkages shown.

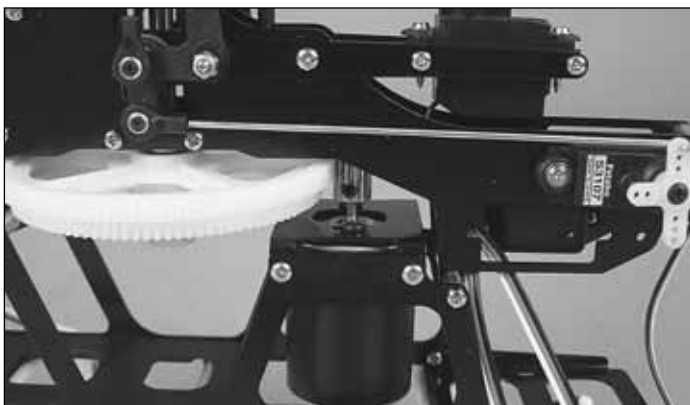


7. Install the rudder servo as shown. With the servo centered, the tail rotor should be at approximately zero pitch. If it is not, adjust the length of the rudder pushrod.

## FINAL ASSEMBLY & SETUP



❑ 1. Check the tail drive belt tension by pressing on one side of the belt with a screwdriver. With gentle pressure, it should be possible to push the belt approximately as far as the picture shows. If you can easily push the belt against itself, it is too loose. If it does not deflect easily, then it is too tight. If you need to adjust the belt tension, simply loosen the screws shown and slide the tail boom in or out. When you have the tension correct, retighten the screws. Recheck the rudder pushrod adjustment.

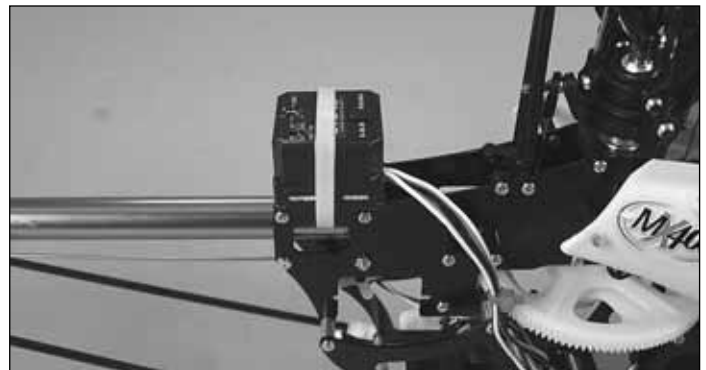


❑ 2. Install the pinion onto the motor, and install the motor in the helicopter.

❑ 3. Be sure to set the gear mesh properly. This can be done by pushing the pinion and spur together with a strip of typing paper between them and tightening the motor screws. The paper can then be removed by turning the gears to eject it.



❑ 3. Install the gyro directly under the main shaft. Connect your rudder servo to the gyro's output port.



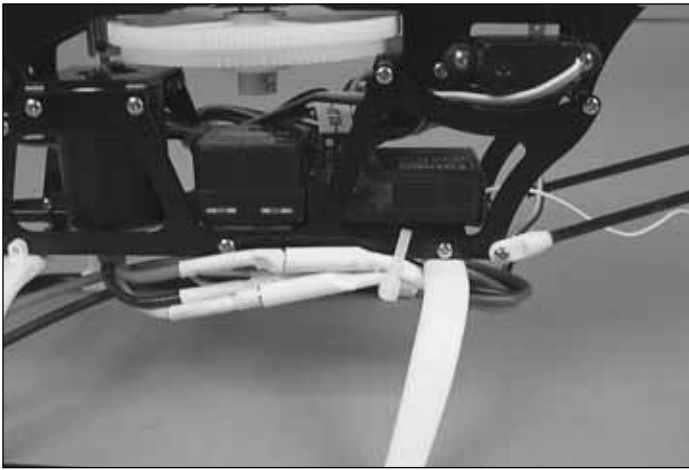
Alternately, the gyro can be installed on top of the rear end of the main frames. Use a piece of foam tape to isolate the gyro against vibration, and secure it with a tie wrap.



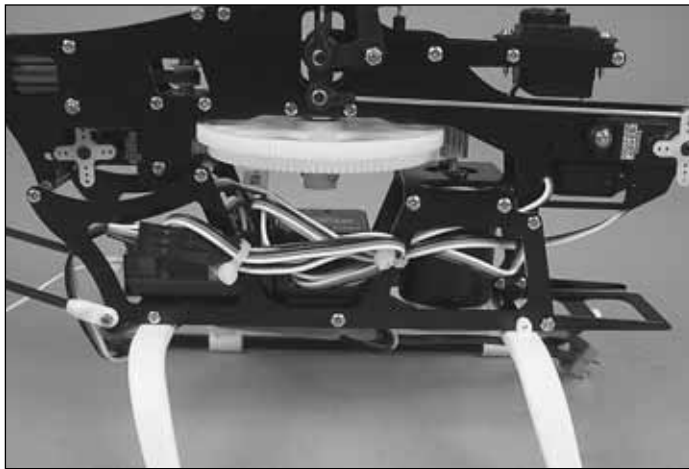
❑ 4. Install the receiver in the position shown. Connect your servos and gyro to the appropriate channels.





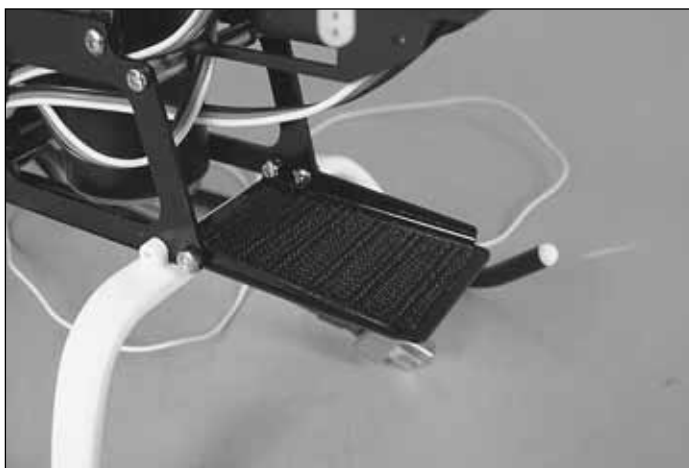


5. Install the speed control on the bottom of the helicopter with double-sided tape. Connect the ESC to the motor and receiver.

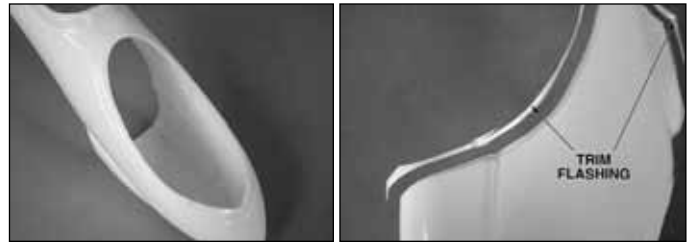


6. Secure all wiring to the frame with nylon wire ties.

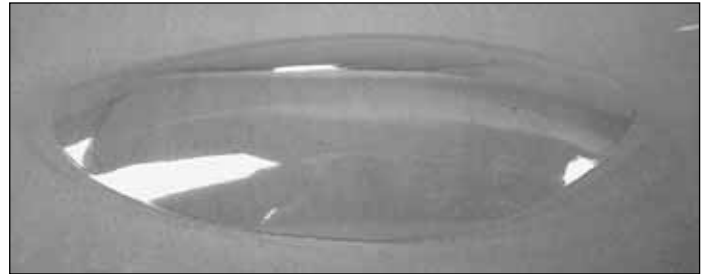
7. Make sure that the receiver antenna is routed so that it cannot possibly interfere with the main or tail rotor blades. There are many possible ways to route the antenna, and you may have to try different methods to get interference-free operation, but it is essential that the antenna be constrained against contact with the blades.



8. Attach the hook side of hook and loop fastener to the battery tray.



9. Cut the window out of the canopy, and trim the flashing from around the rear opening.



10. Cut the clear shield out along the molded-in cut lines.



11. Secure the shield to the canopy with the two small screws packaged with the shield.



12. Install the canopy onto the helicopter.

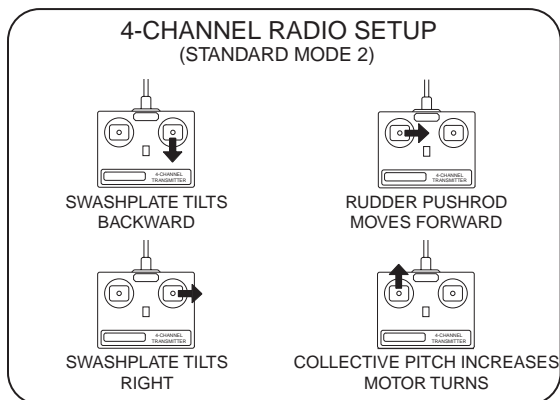


12. Secure the landing gear skids by positioning them correctly and adding a drop of thin CA at each joint.



## CHECK THE CONTROL DIRECTIONS

- ❑ 1. Attach the “loop” side of the hook-and-loop material to the battery. Mount the battery to the battery tray.
- ❑ 2. For safety, do not install the main blades while performing bench setup.
- ❑ 3. Lower the throttle stick all the way and turn on the transmitter. Connect your battery to the ESC. If the ESC has a BEC switch, turn it on.
- ❑ 4. Check all the servos to see if they are centered. Since you set the center points as you set up the linkages, they should already be very close. Use the trims or subtrims on the transmitter to center the controls.



- ❑ 5. Make certain that the swash plate and the motor respond in the correct direction as shown in the diagram. To operate the motor, you may have to “arm” your ESC. Follow the instructions that came with your ESC to do this. If any of the controls respond in the wrong direction, use the servo reversing in the transmitter to reverse the servos connected to those controls. Be certain the servos have remained centered. Adjust if necessary.

## BLADE BALANCING & INSTALLATION

- ❑ 1. Balance your main blades using the Heli-Max Blade Balancer (HMXR4855). Do so according to the instructions that came with your balancer.

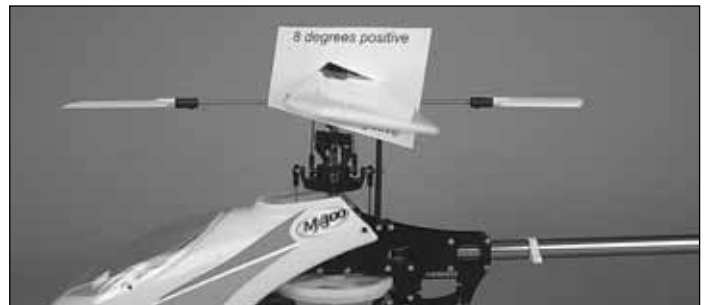


- ❑ 2. Attach the main rotor blades. The blades should be tight enough in the grips to hold their position when moved, but still move easily by hand.

## ADJUST COLLECTIVE PITCH

**WARNING:** Disconnect the motor from the ESC to prevent accidental startup while performing pitch adjustment.

- ❑ 1. Cut out the pitch template from the last page of this manual and slip it over one of the main blades.



- ❑ 2. We recommend 8 degrees of maximum collective pitch in both directions as a starting point. Check to see that the bottom of the pitch template is level with the flybar at maximum positive pitch and the top of the template is level with the flybar at full negative collective pitch. Adjust your linkages or radio endpoints if necessary to achieve these values.
- ❑ 3. Once you are comfortable with the helicopter, feel free to increase or decrease this pitch value to suit your flying style.

## SET CONTROL THROWS

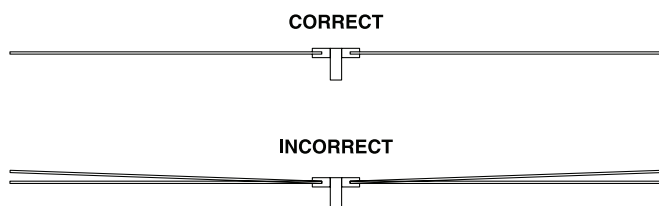


To set rates on the elevator and aileron, check to see that the control rates are set to maximum for high rates. This can be verified by checking that the ball link attached to the seesaw is close to touching the main rotor grips at full input. Check the elevator rate with the flybar perpendicular to the tailboom, and check the aileron rate with the flybar parallel to the tailboom. These maximum deflections work well for high rates, and we recommend 60% of these values for low rates.

Rudder control throw will be affected by your gyro settings, and will need to be tuned by to suit your flying style.

## ADJUST BLADE TRACKING

- 1. Apply the two different colored stripe decals to the tips of your main rotor blades.



- 2. At zero pitch, bring the main rotor up to speed and observe whether the rotational planes of the blades are the same. If they are not, adjust one of the linkages to bring the blades into the same plane.

## RANGE CHECK

Ground check the operational range of your radio before the first flight of the day. With the transmitter antenna collapsed and the receiver and transmitter on, you should be able to walk at least 50 feet away from the model and still have control. Have an assistant stand by your model and, while you work the controls, tell you what the servos are doing. Repeat this test **with the motor running** at various speeds. If the control surfaces do not respond correctly, **do not fly!** Find and correct the problem first. Look for loose servo connections or broken wires, corroded wires on old servo connectors, poor solder joints in your battery pack or a defective cell, or a damaged receiver crystal from a previous crash.

## SAFETY PRECAUTIONS

**Failure to follow these safety precautions may result in severe injury to yourself and others.**

Keep your face and body as well as all spectators away from the plane of rotation of the rotors whenever the battery is connected.

Keep these items away from the rotors: loose clothing, shirt sleeves, ties, scarfs, long hair or loose objects such as pencils or screwdrivers that may fall out of shirt or jacket pockets into the rotors.

The spinning blades of a model helicopter can cause serious injury. When choosing a flying site for your MX400, stay clear of buildings, trees and power lines. **AVOID** flying in or near crowded areas. **DO NOT** fly close to people, children or pets. Maintain a safe pilot-to-helicopter distance while flying.

## Parts List

SKU	Mfr. #	Description
HMXE8610	4001-101	Center Hub
HMXE8310	4001-102	Main Blade Grip Set
HMXE8615	4001-103	Rotor Head Set
HMXE8810	4001-104	Stabilizer Control Set
HMXE8815	4001-105	Rotor Head Full Set
HMXE7701	4001-106	Stabilizer Blades (2)
HMXE9050	4001-107	Wash-Out Control Set
HMXE9005	4001-108	Swash Plate Set
HMXE8305	4001-109	Main Rotor Blades (2)
HMXE8210	4001-110	Auto-Rotation Gear Set
HMXE9713	4001-111	Drive Pulley 11T
HMXE9714	4001-112	Counter Gear 21T
HMXE8402	4001-113	Main Shaft Collar
HMXE7610	4001-114	Stabilizer Control Rod
HMXE7612	4001-115	Elevator Lever Swash Rod
HMXE7614	4001-116	Mixing Arm Rod
HMXE7616	4001-117	Aileron Rod
HMXE7618	4001-118	Pitch Rod Short Links
HMXE7620	4001-119	Elevator Rod
HMXE7622	4001-120	Pitch Rod
HMXE7901	4002-201	Upper Frame Set
HMXE7320	4002-202	Main Shaft Mounting Blocks
HMXE9102	4002-203	Tail Boom Mount
HMXE7101	4002-204	Anti-Rotation Guide
HMXE7902	4002-205	Lower Frame Set
HMXE7910	4002-206	Motor Mount Set
HMXE7201	4002-207	Battery Mount
HMXE7410	4002-208	Canopy
HMXE7411	4002-209	Windshield
HMXE7930	4002-210	Skid Set
HMXE9712	4003-301	Tail Drive Belt
HMXE9523	4003-302	Tail Pitch Plate Set
HMXE9420	4003-303	Tail Unit Case Set
HMXE9710	4003-304	Tail Shaft W/ Pulley 11T
HMXE9711	4003-305	Guide Pulley
HMXE9620	4003-306	Tail Stabilizer Set
HMXE9621	4003-307	Rudder Control Rod
HMXE9520	4003-308	Tail Housing Set
HMXE9521	4003-309	Tail Housing
HMXE9522	4003-310	Tail Blade Holder
HMXE9501	4003-311	Tail Rotor Blades (2)
HMXE9101	4003-312	Tail Boom
HMXE9622	4003-313	Tail Pitch Lever Set
HMXE9702	4003-014	Tail Boom Brace Set
HMXE7505	4004-060	Decal Sheet
HMZ7010	4004-061	Instruction Manual
HMXE8312	4011-001	Collar 3x5x4mm
HMXE8820	4012-005	Mixing Arm
HMXE9055	4012-006	Slide Block
HMXE9060	4012-007	Wash-Out Control Arm
HMXE9065	4012-008	Radius Arm
HMXE8630	4012-112	Spindle Bushing
HMXE8635	4013-001	Feathering Spindle
HMXE8612	4013-002	Anti-Rotation Pin
HMXE8401	4013-003	Main Shaft
HMXE7801	4013-006	Stabilizer Bar
HMXE8807	4014-001	Stand Offs (6)
HMXE9066	4016-001	Pin 1.5x7mm
HMXE8608	4016-002	Center Hub Pin (2)
HMXE7630	4021-003	Collective Pitch Levers
HMXE7321	4021-006	Counter Gear Case
HMXE7631	4021-008	Elevator Shaft
HMXE7903	4021-009	Cross Member 2x34mm (2)
HMXE7904	4021-010	Cross Member 2x26mm (4)
HMXE7905	4021-011	Cross Member 2x8mm (6)
HMXE7650	4021-012	Elevator Mount
HMXE8013	4021-014	Motor Pinion 14T
HMXE8012	4021-015	Motor Pinion 13T
HMXE8011	4021-016	Motor Pinion 12T
HMXE8010	4021-017	Motor Pinion 11T
HMXE7651	4022-001	Elevator Lever
HMXE7652	4022-002	Elevator Torque Lever
HMXE7655	4022-003	Aileron Lever
HMXE7665	4022-005	Servo Mount
HMXE8205	4022-008	Main Gear 138T
HMXE8206	4022-009	Autorotation Gear 105T
HMXE7920	4022-013	Gyro Mount

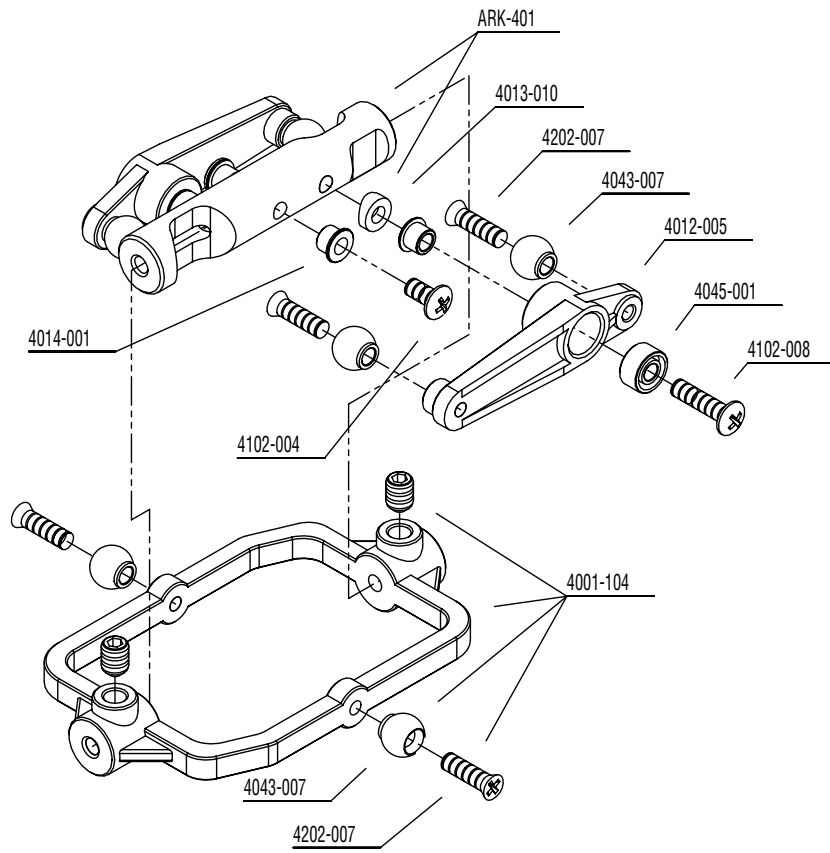
HMXE7430	4022-017	Canopy Mount
HMXE8410	4023-003	Autorotation Shaft
HMXE7623	4043-002	M1.2 Rod Ends (20)
HMXE7357	4043-007	Ball (20)
HMXE7305	4045-001	Bearing 2x5x2.5 mm
HMXE7306	4045-002	Bearing 3x8x3 mm
HMXE7307	4045-003	Bearing 3x8x4 mm
HMXE7343	4102-004	Pan Head Screw 2x4 mm
HMXE7344	4102-005	Pan Head Screw 2x5 mm
HMXE7346	4102-010	Pan Head Screw 2x10 mm
HMXE7347	4102-012	Pan Head Screw 2x12 mm
HMXE7348	4102-014	Pan Head Screw 2x14 mm
HMXE7350	4102-021	Pan Head Screw 2x21 mm
HMXE7350	4102-022	Pan Head Screw 2x22 mm
HMXE7351	4202-007	Flat Head Screw 2x7 mm
HMXE7352	4202-015	Flat Head Screw 2x15 mm
HMXE7353	4402-005	Button Bolt 2x5mm
HMXE7354	4502-006	Cap Screw 2x6mm
HMXE7377	4603-003	Set Screw 3x3 mm
HMXE7355	4702-004	M2 Nylock Nut
HMXE7378	4702-045	M2 Nut
HMXE7379	4703-055	M3 Nylock Nut
HMXE7356	4925-003	Washer 2x4x0.3mm
HMXE7380	4925-004	E-Clip 2.5 mm
HMXE7358	5400-115	O-Ring
HMXE7480	ARK-206	Crash Kit H
HMXE7481	ARK-207	Crash Kit T
HMXE7907	ARK-208	Lower Frame Set Full
HMXE8803	ARK-401	Aluminum Seesaw Short

## Option Parts

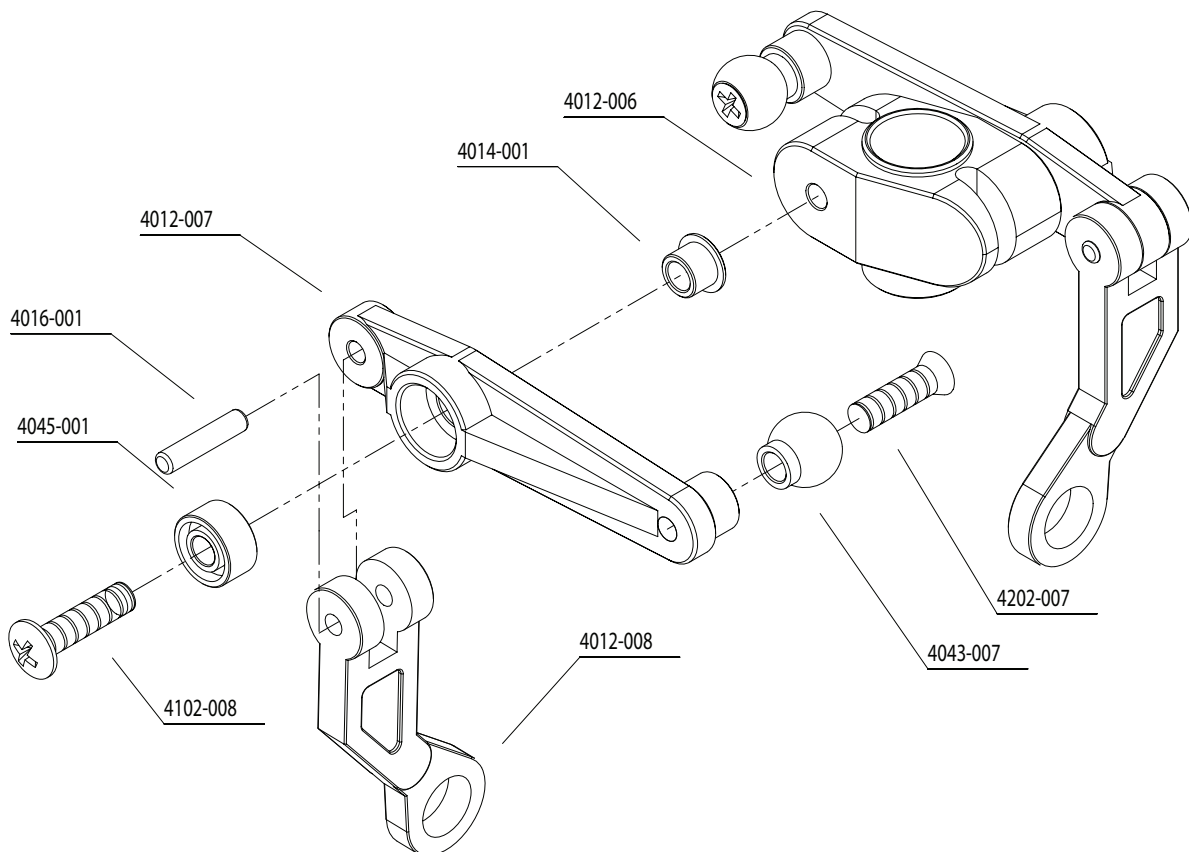
HMXM3000	ARK-122	Brushless ESC 25 AMP
HMXXG1001	ARK-125	Brushless 6 Pole Motor
HMXXG1002	ARK-126	Brushless 12 Pole Outrunner Motor
HMXM3002	ARK-129	Brushless ESC 25 AMP w/Heatsink
HMXE9006	ARK-201	Aluminum Swash Plate
HMXE9007	ARK-202	Aluminum CCPM Wash Plate
HMXE8620	ARK-203	Aluminum Top Dome
HMXE9421	ARK-204	Aluminum Tail Case Set
HMXE7000	ARK-205	CCPM Upgrade Kit
HMXE7950	ARK-209	Carbon Frame Full Set
HMXE7951	ARK-210	Carbon Frame CCPM Full Set
HMXE7952	ARK-211	Anodized Alum Frame Full Set
HMXE8306	ARK-212	Carbon Blade Set 325mm
HMXE7702	ARK-213	Carbon Stabilizer Blade Set
HMXE9502	ARK-214	Carbon Tail Rotor Blade Set
HMXE9103	ARK-215	Carbon Tail Boom 345mm
HMXE7625	ARK-216	Pro Linkage Set
HMXE7412	ARK-217	Fiberglass Canopy
HMXE9625	ARK-218	Carbon Tail Fin Set
HMXE8817	ARK-219	Rotor Head Full Set Aluminum
HMXE8611	ARK-220	Center Hub Set Aluminum
HMXE9057	ARK-221	Slide Block Aluminum
HMXE8806	ARK-222	Seesaw Aluminum
HMXE8811	ARK-223	Stabilizer Control Arm Aluminum
HMXE8821	ARK-224	Mixing Arm Aluminum
HMXE9061	ARK-225	Washout Control Arm Aluminum
HMXE7653	ARK-226	Elevator Lever Aluminum
HMXE7654	ARK-227	Elevator Torque Arm Aluminum
HMXE9107	ARK-228	Horizontal Stabilizer Mount Alum
HMXE9703	ARK-229	Tailboom Brace Ends Aluminum
HMXE9062	ARK-230	Washout Control Set Aluminum
HMXE8311	ARK-231	Main Blade Grip Aluminum
HMXE9524	ARK-232	Tail Blade Grip Aluminum
HMXE7319	ARK-233	Main Shaft Mount Blocks Alum
HMXE7322	ARK-234	Counter Gear Case Aluminum
HMXE9104	ARK-235	Tail Boom Mount Aluminum
HMXE9109	ARK-238	Aluminum Tail Boom Servo Mount
HMXE9715	4003-315	Tail Drive Belt Long
HMXE9623	4003-316	Rudder Control Rod Long
HMXE7921	4021-021	Gyro Mount Aluminum

# ROTOR HEAD

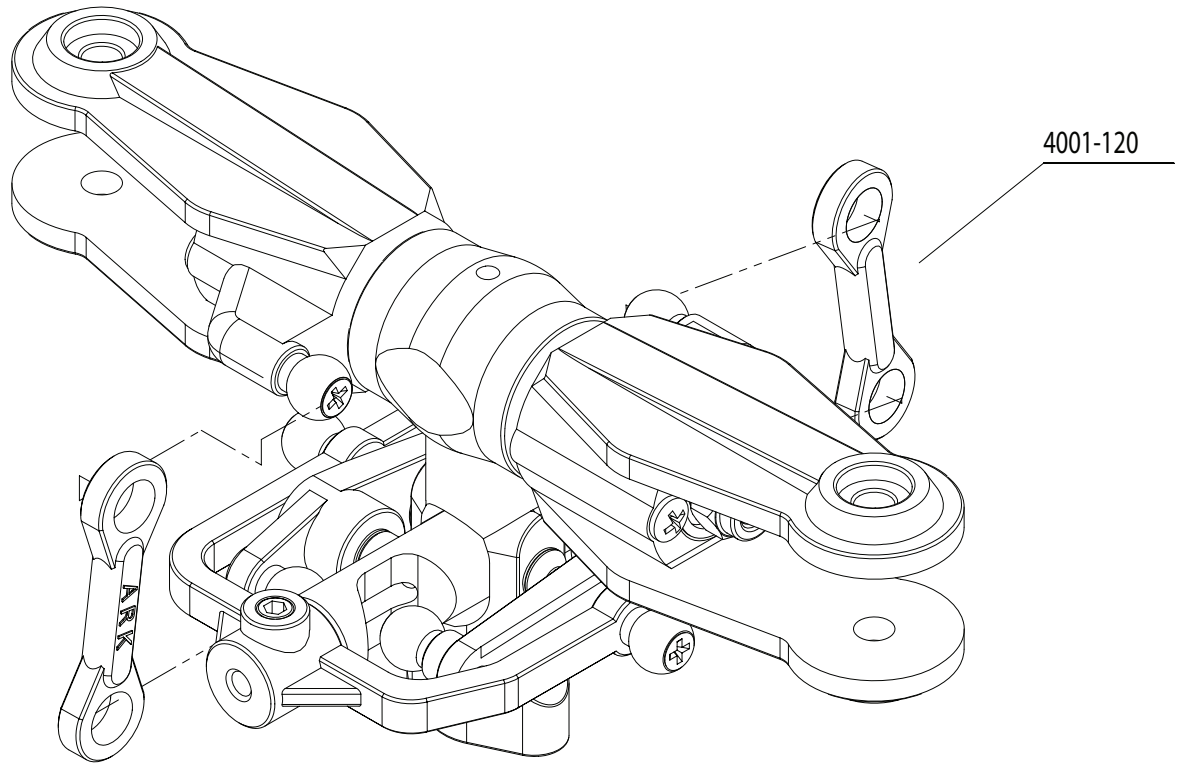
FULL SET...4001-105



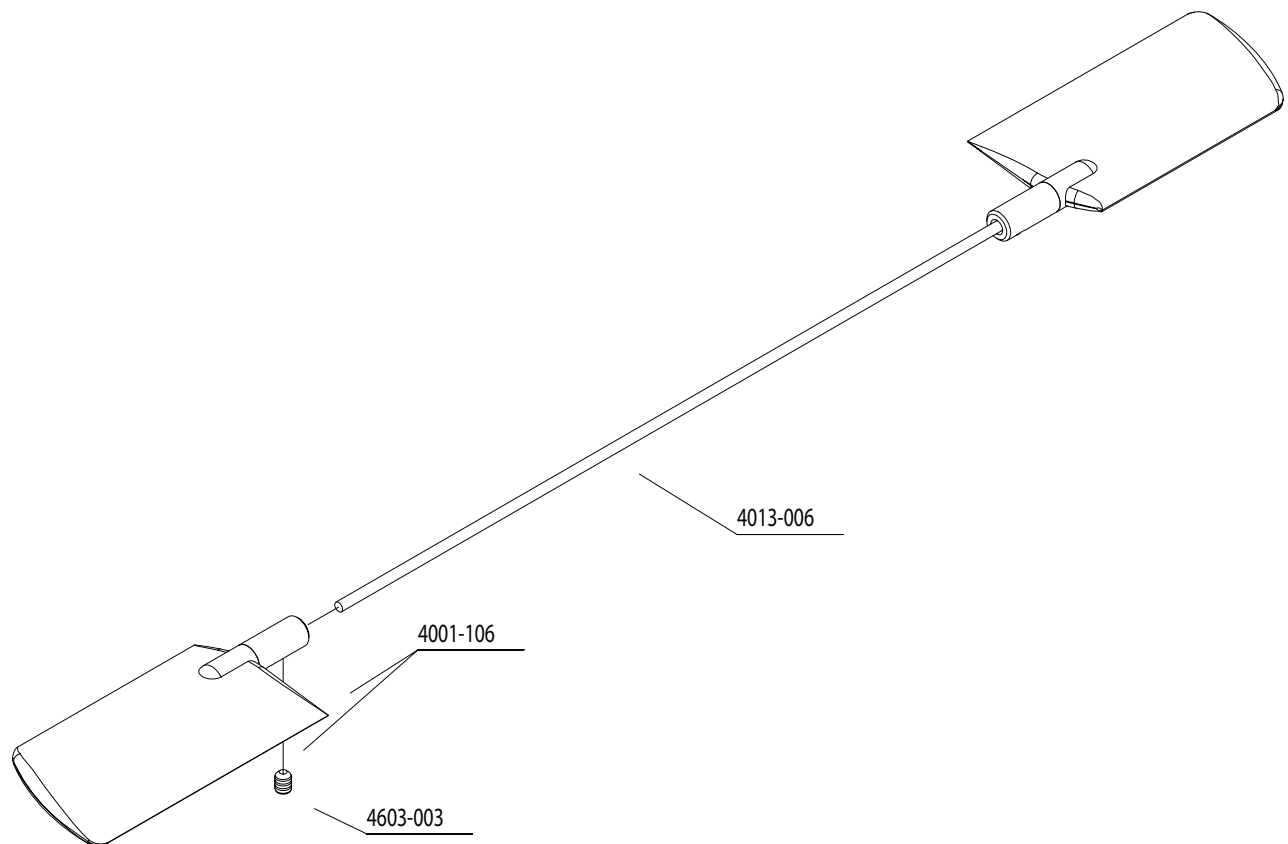
# MIXING LEVERS



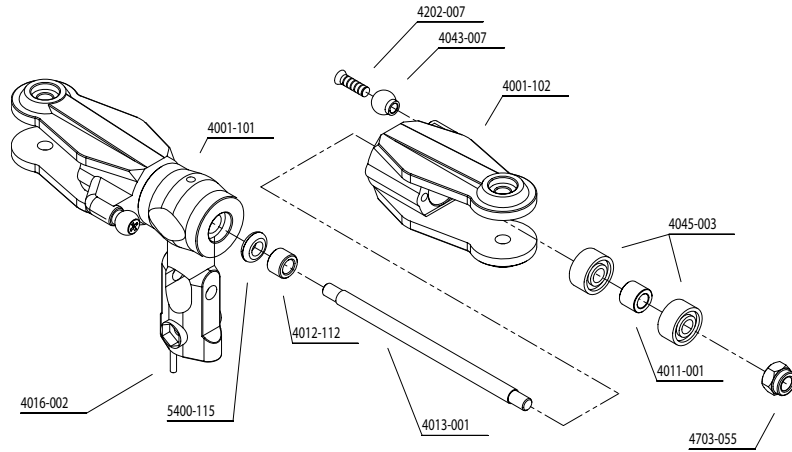
## PITCH LINKS



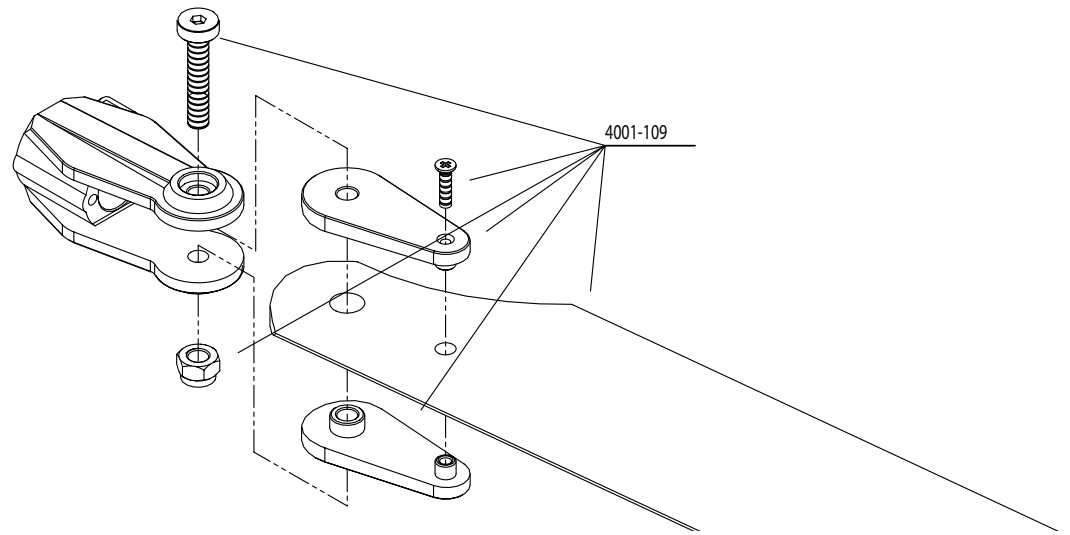
## FLYBAR



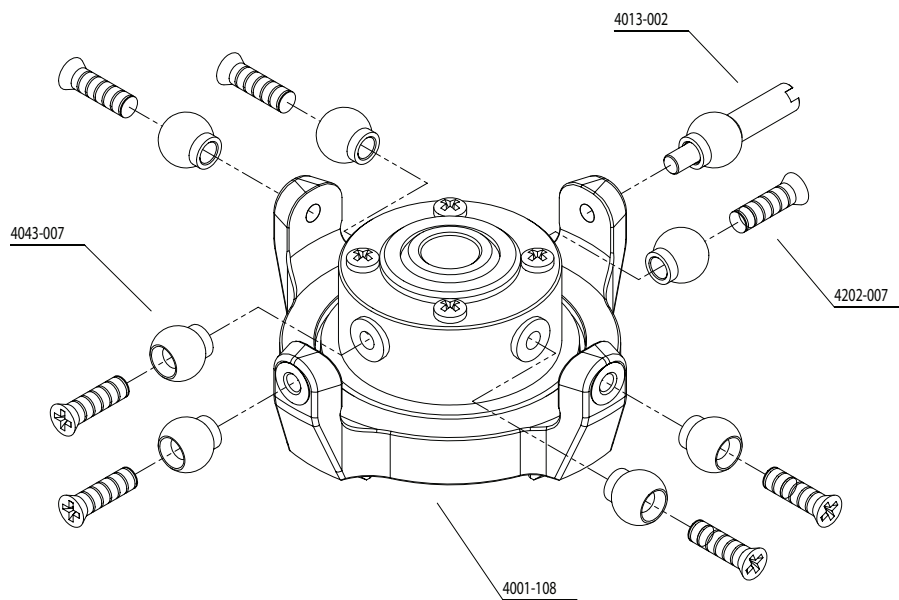
## BLADE GRIPS



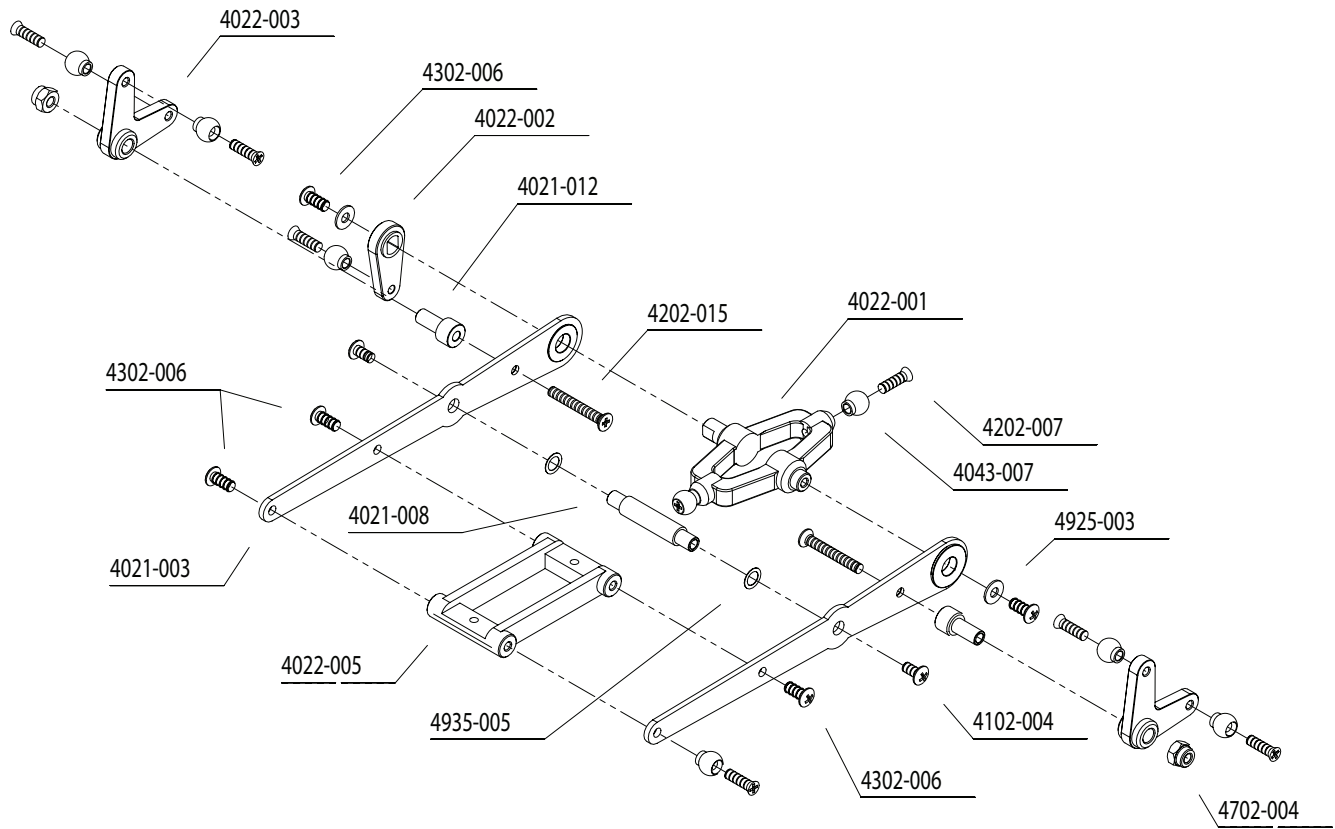
## BLADE ATTACHMENT



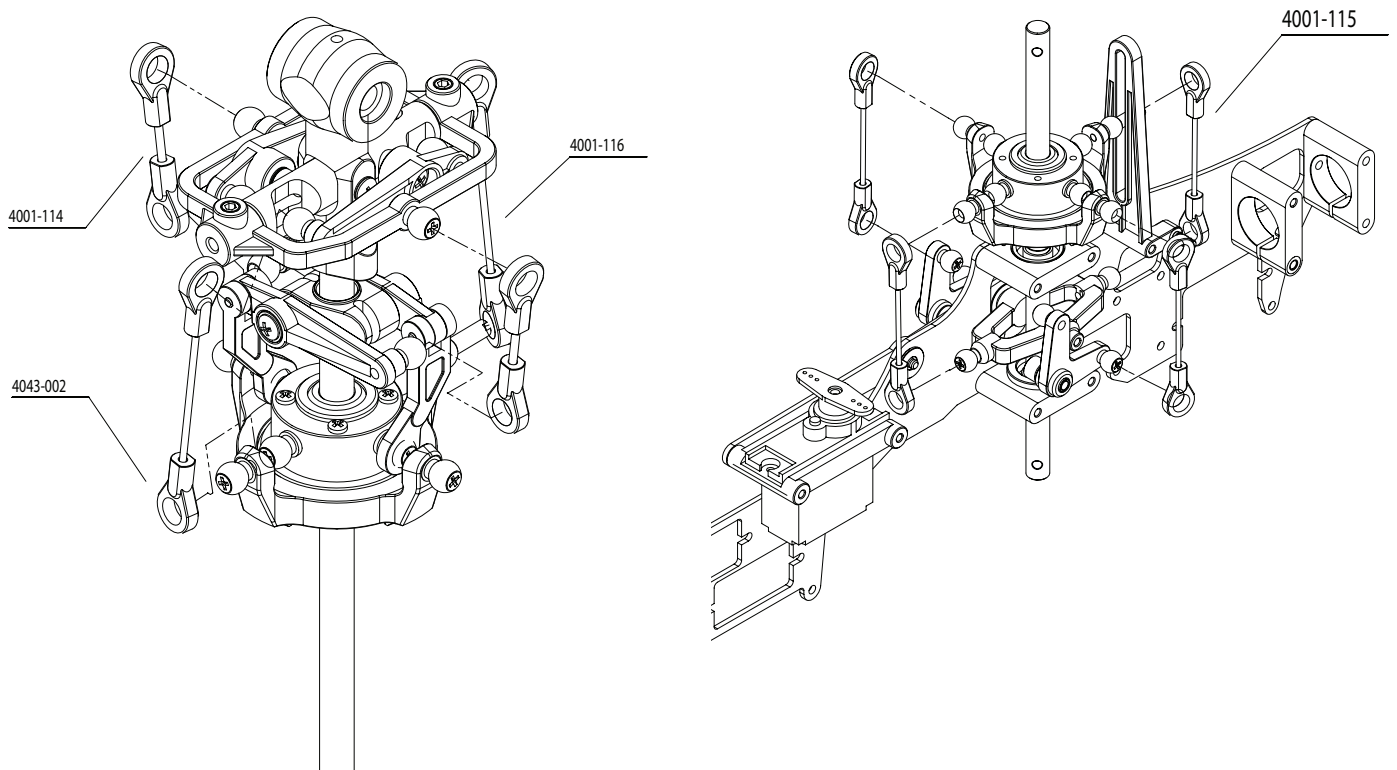
## SWASH PLATE



## PITCH LEVER

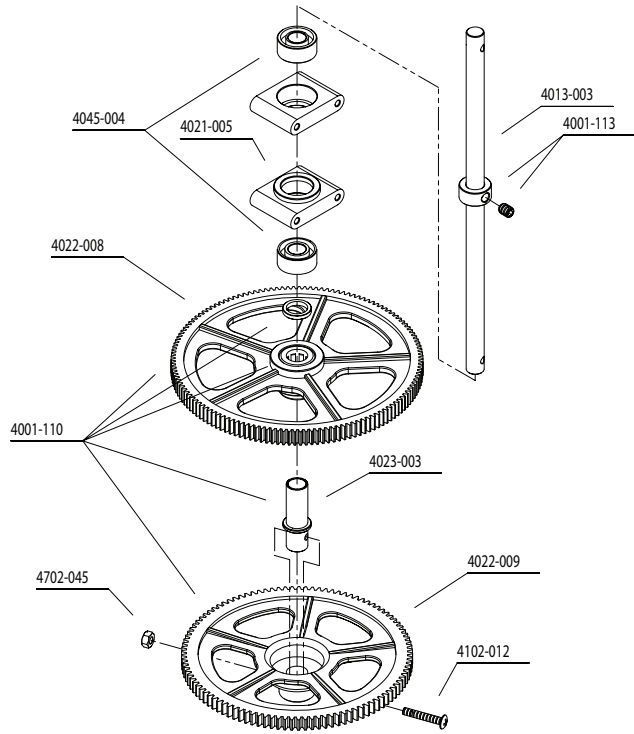


## LINKAGES

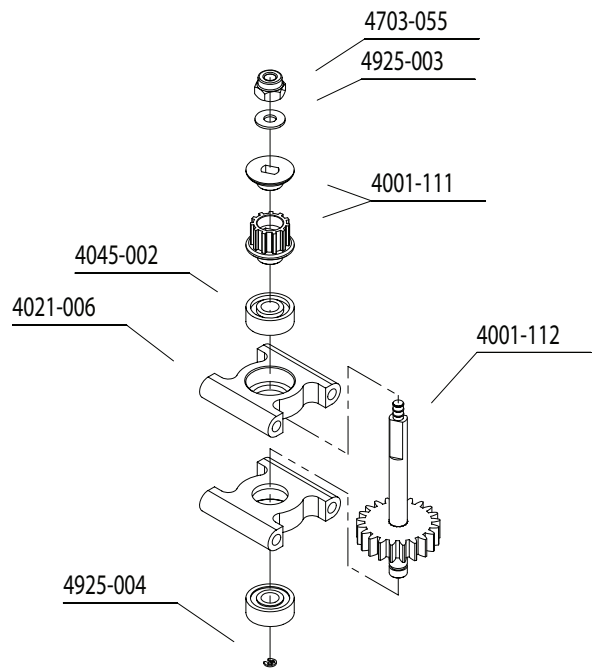




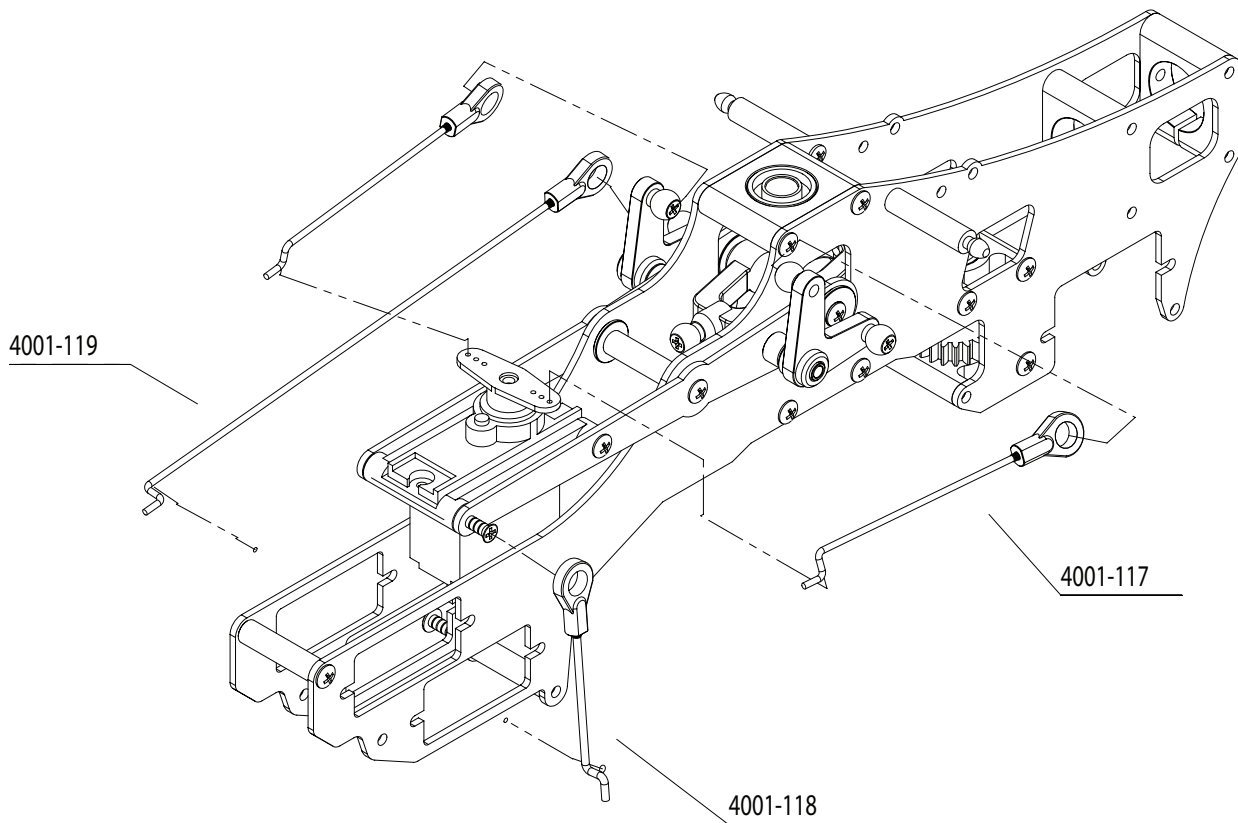
## MAIN SHAFT



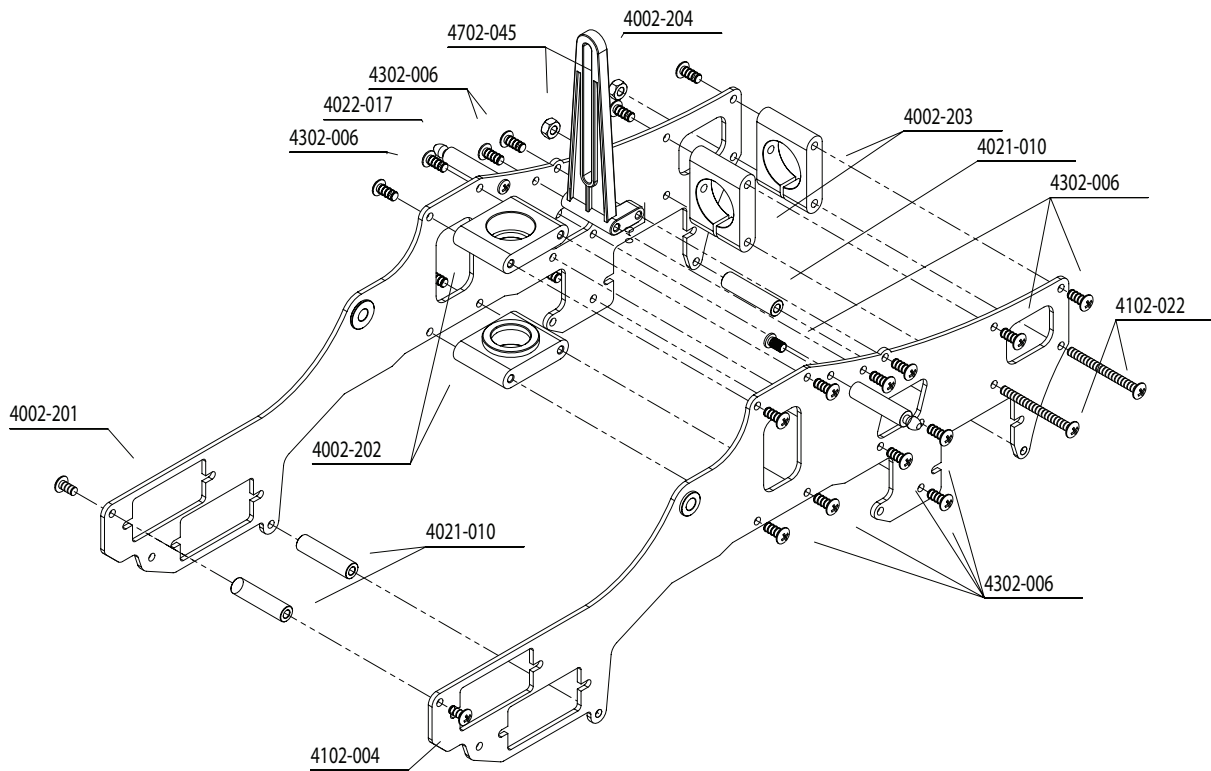
## TAIL DRIVE



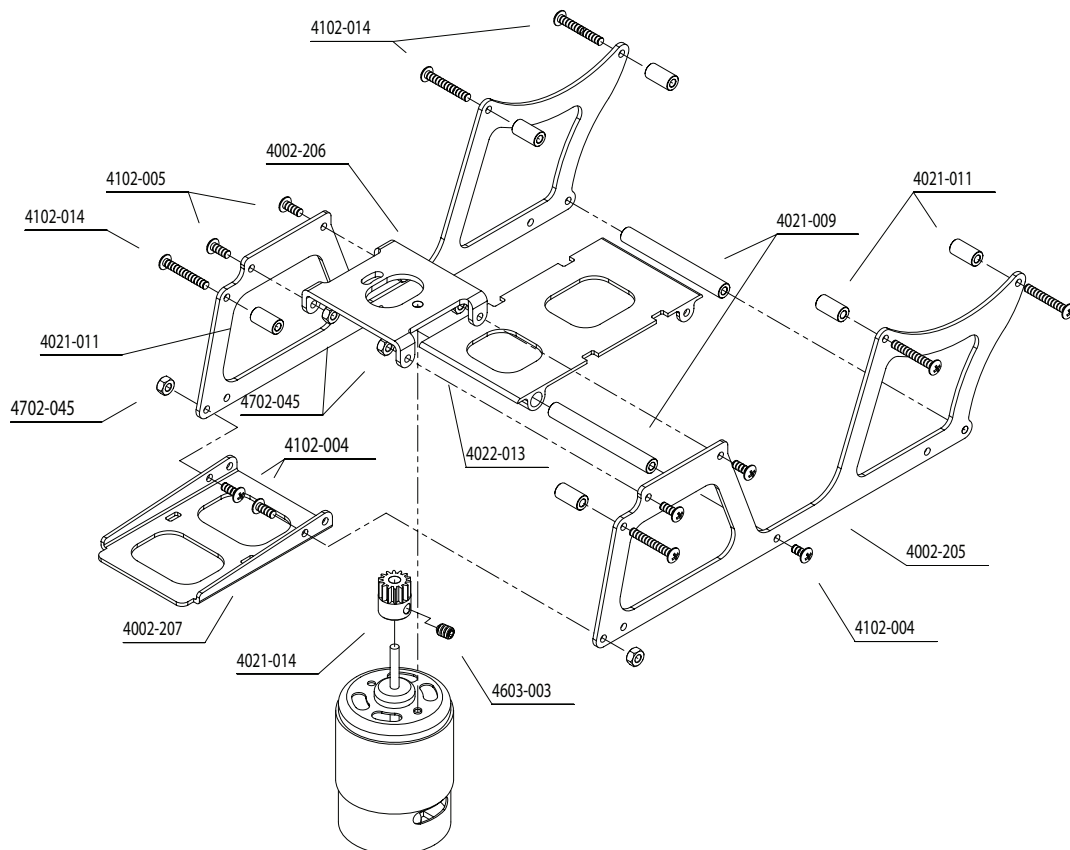
## SERVO LINKAGES



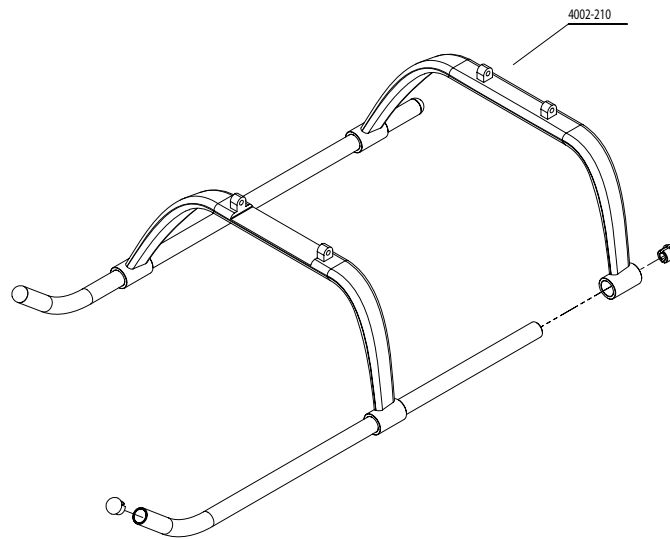
# MAIN FRAME



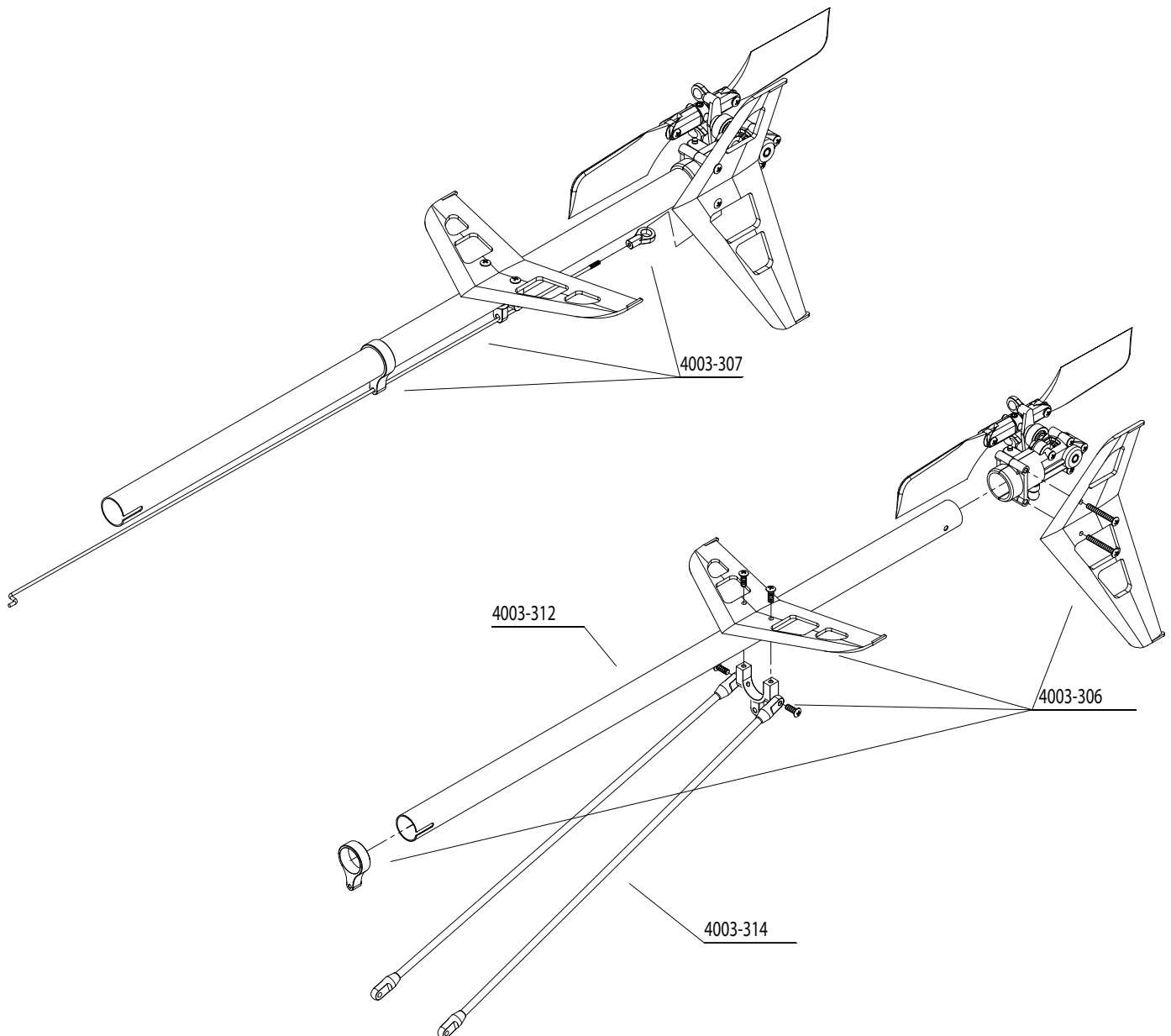
# LOWER FRAME



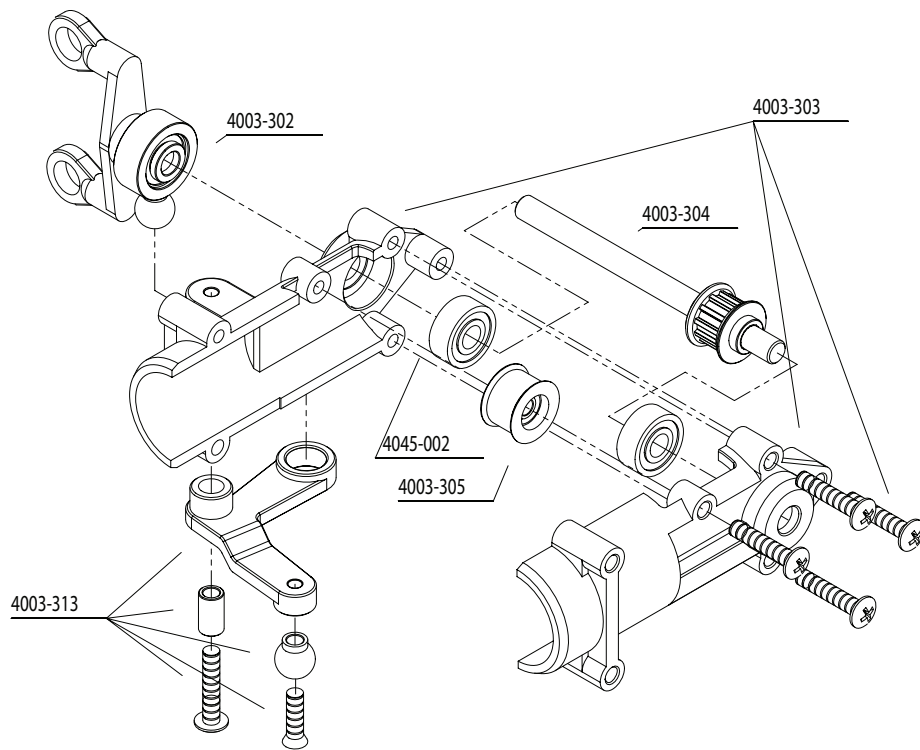
# LANDING GEAR



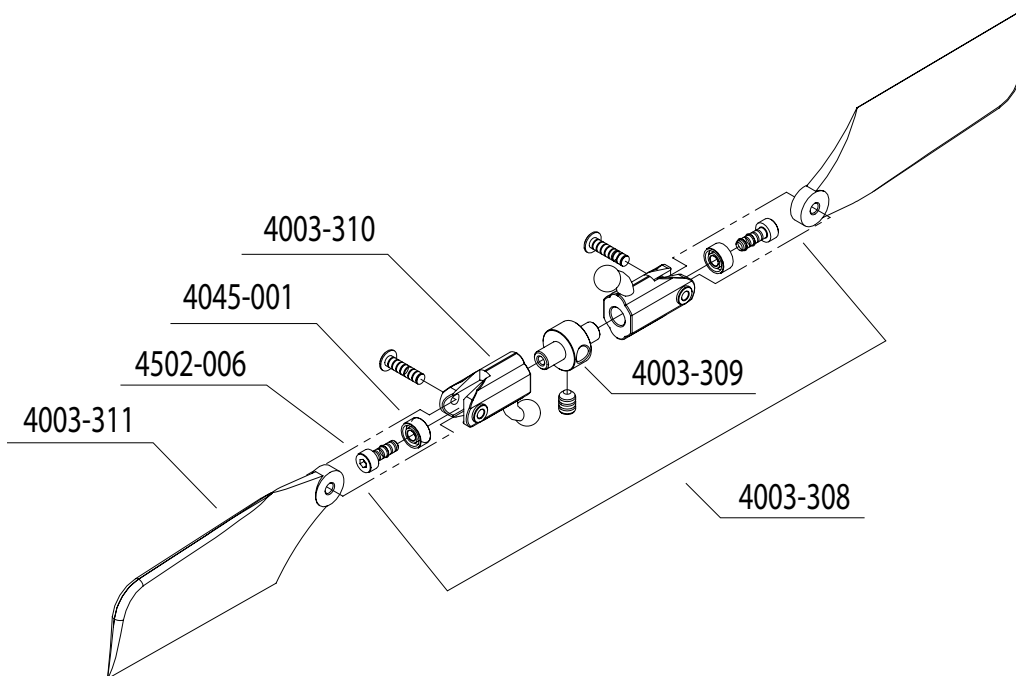
# TAIL BOOM



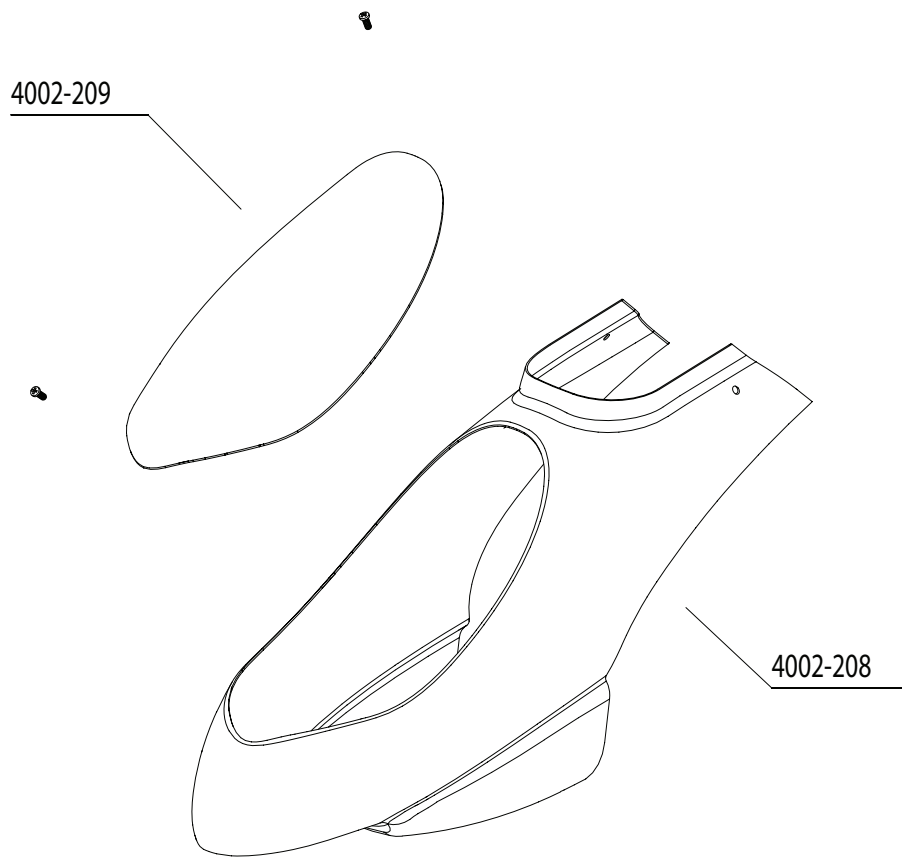
## TAIL DRIVE GEARBOX



## TAIL ROTOR



# CANOPY



# PITCH TEMPLATE

