

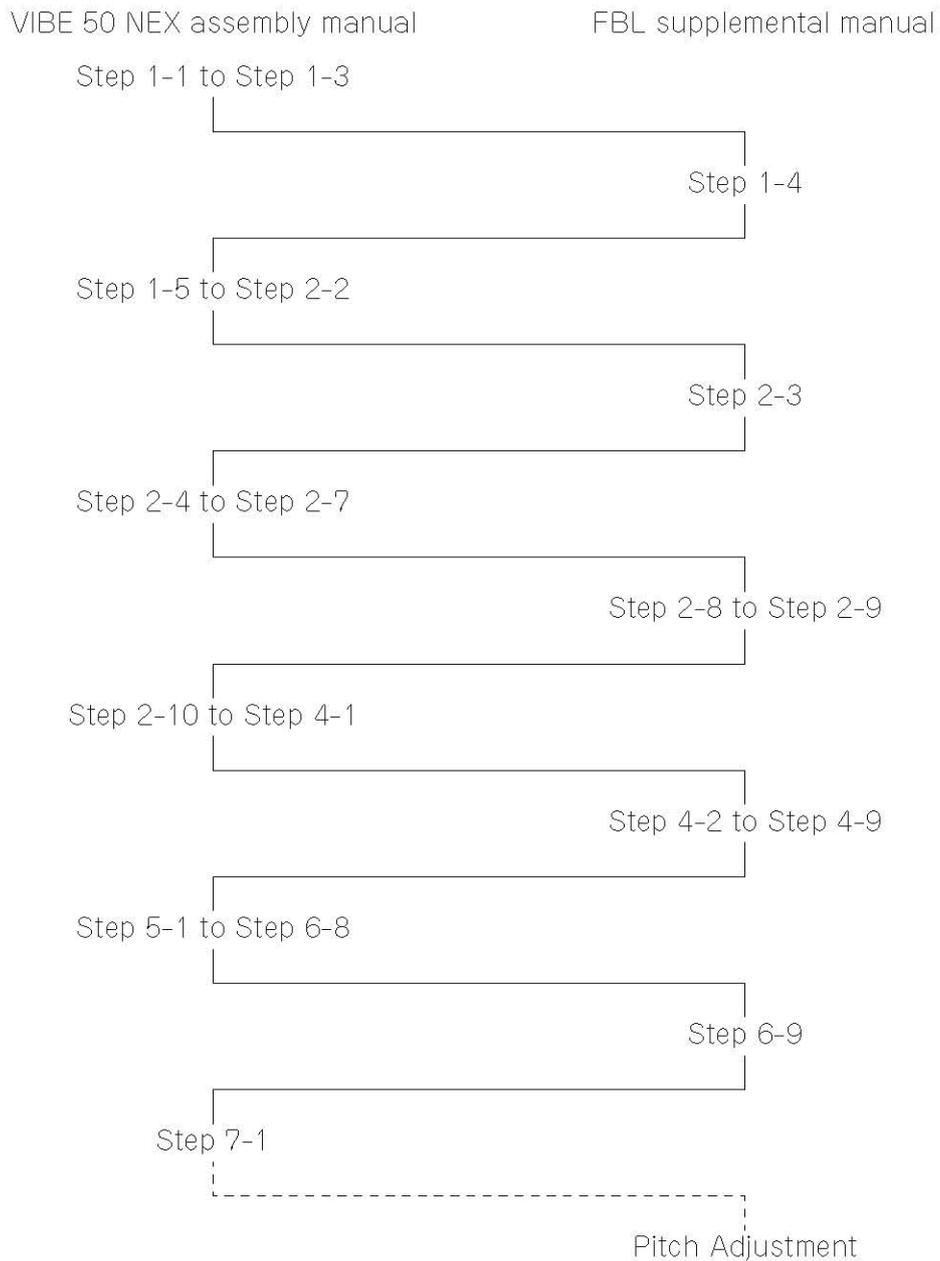
VIBE50NEX FBL SUPPLEMENTAL MANUAL

Thank you for purchasing this JR product. This manual describes the changes necessary to the Vibe50NEX assembly instructions to build the FBL rotor head version of the Vibe50NEX.

Please refer to the Vibe50NEX assembly manual as necessary during assembly.

Please refer to the parts lists from both manuals when ordering replacement parts for your model.

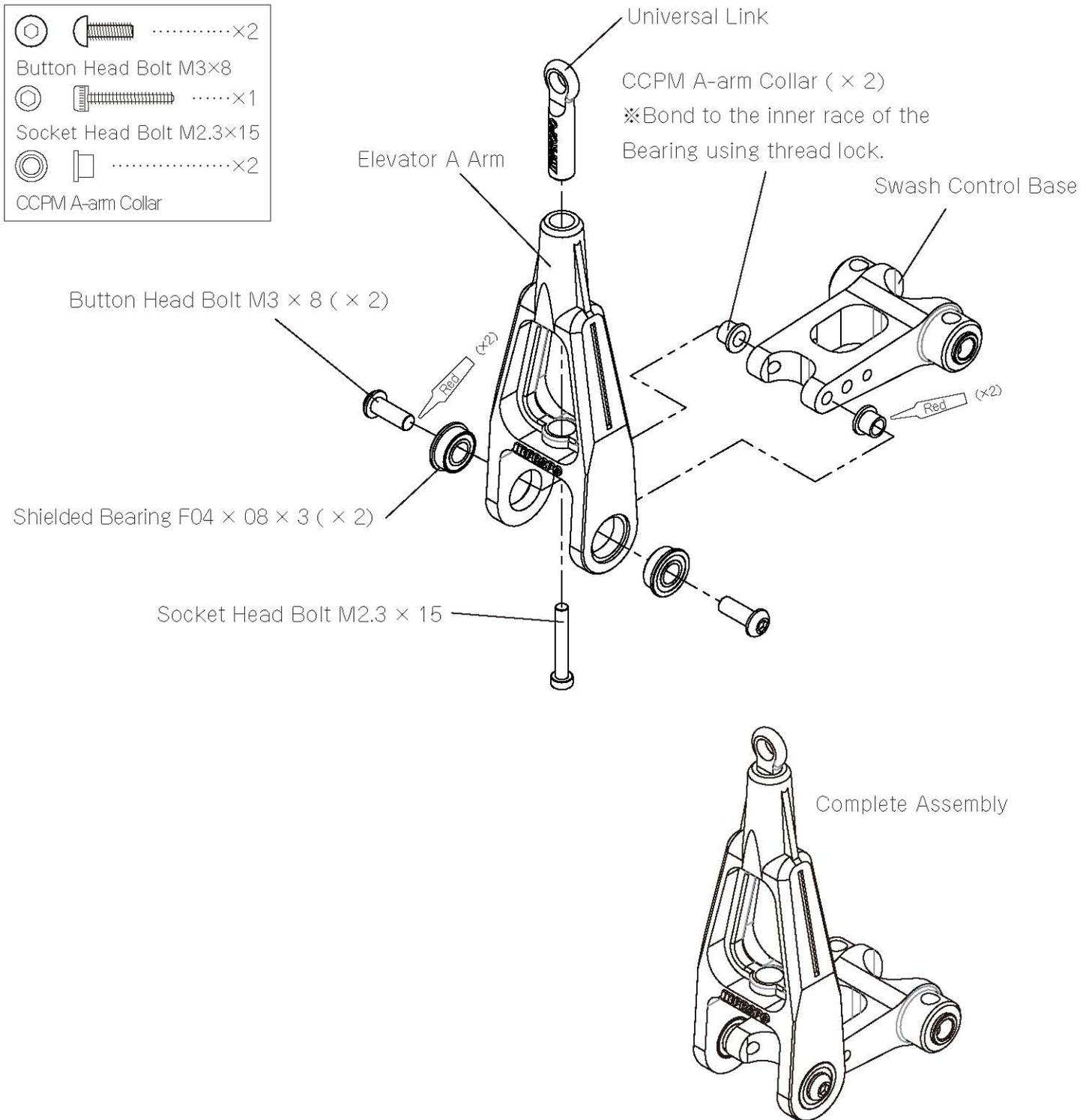
【Assembly Process】



【Content list】

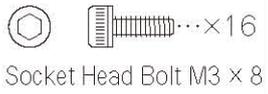
Deleted parts from the Vibe50NEX		Additional parts for the FBL version		Note	
Swash Control Base(plastic)	×1	Swash Control Base(metal)	×1	In the Vibe50NEX Step 1-3 bag	
Special Button Head Bolt M3 × 27	×1	Gyro Mount Spacer	×2	In the FBL Rotor Head Parts bag	
Washer 03 × 4.5 × 0.4	×1	Gyro Mount Frame	×2		
Washout Base	×1	FBL Pitch Arm	×2		
Washout Arm Assembly	×2	FBL Center Hub (50)	×1		
Control Ball L5.5	×2	Collar for attaching Center Hub	×2		
Mixing Arm	×2	FBL Washout Arm Assembly	×2		
Pitch Arm	×2	Threaded Rod M2.3 × 60(ø2.5)	×2		
Washer 03 × 4.5 × 1	×2	Pitch Jig Base	×1		
Shield Bearing 03 × 07 × 3	×4	Pitch Jig Rod	×2		
Center Hub Assembly	×1	Socket Head Bolt M3 × 8	×1		
Flybar L440	×1	Setscrew M3 × 4	×2		
Flybar Arm A	×2	Button Head Bolt M3 × 8	×2		In the Vibe50NEX Bolt 1 bag
Flybar Arm B	×2	Socket Head Bolt M3 × 10	×8		In the Vibe50NEX Bolt 2 bag
Flybar Paddle	×2	Socket Head Bolt M3 × 20	×2	In the Vibe50NEX Bolt 4-3 bag	
Flybar Stopper	×2				
Paddle Stopper	×2				
Seesaw Assembly	×1				
Seesaw Spacer Collar	×2				
Joint Ball Screw L8	×2				
Joint Ball Screw L10	×2				
Socket Head Bolt M2.6 × 10	×2				
Threaded Rod M2.3 × 15	×4				
Threaded Rod M2.3 × 70	×2				
Plate Washer M3	×2				
Socket Head Bolt M2 × 8	×4				
Socket Head Bolt M3 × 6	×6				
Socket Head Bolt M3 × 8	×4				
Socket Head Bolt M3 × 12	×4				
Nylon Lock Nut M3 (t2.8)	×1				
Setscrew M3 × 3	×4				
Setscrew M4 × 4	×2				
Universal Link	×4				
Universal Link S	×4				

1-4 ELEVATOR A ARM ASSEMBLY

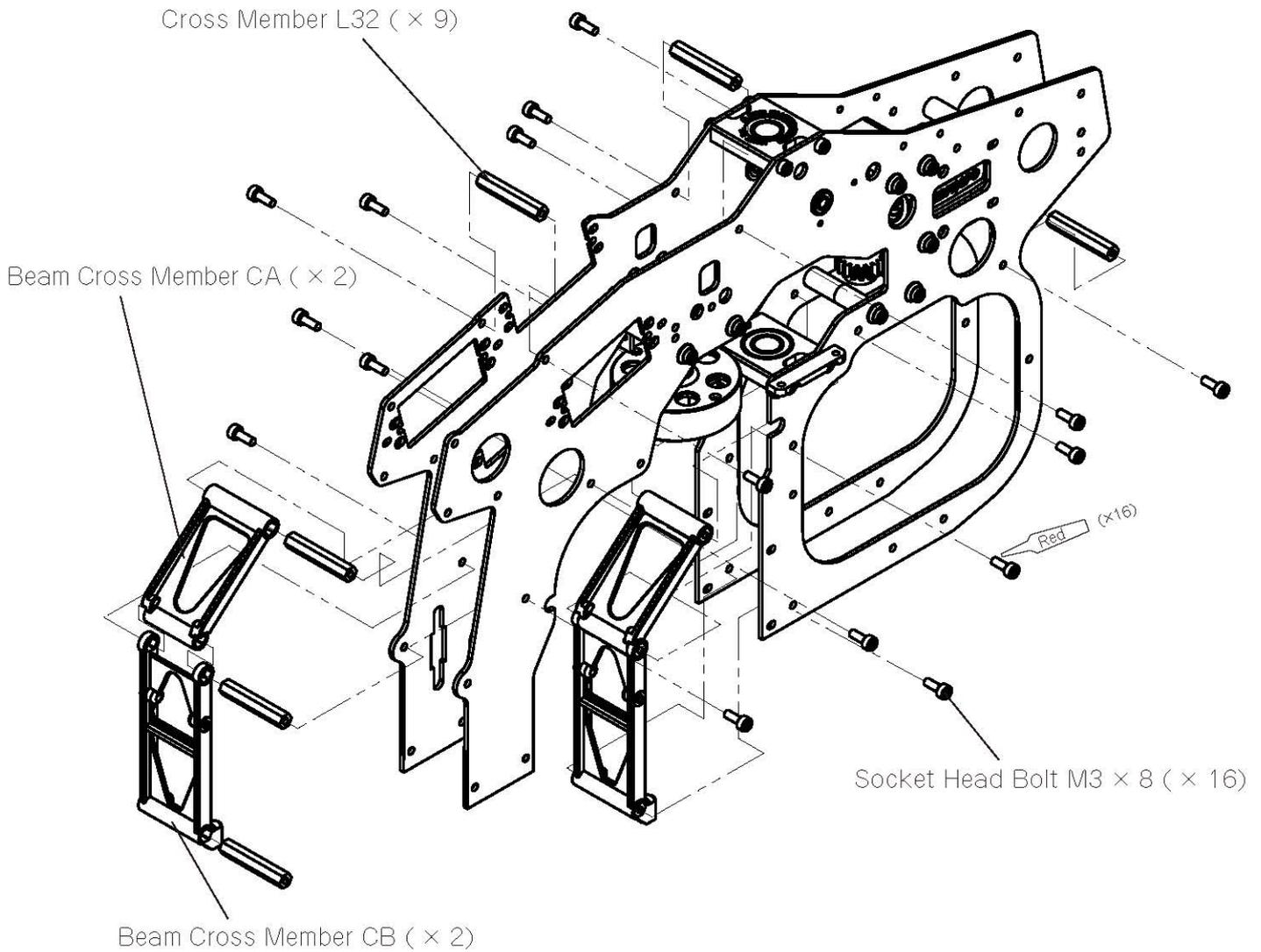


- Install the Universal Link so that the JR PROPO logo is orientated as in the figure. Be sure there is no up-down movement of the link.
- Install the CCPM A-arm Collars from the inside of the Elevator A Arm.

2-3 MAIN FRAME ASSEMBLY 3

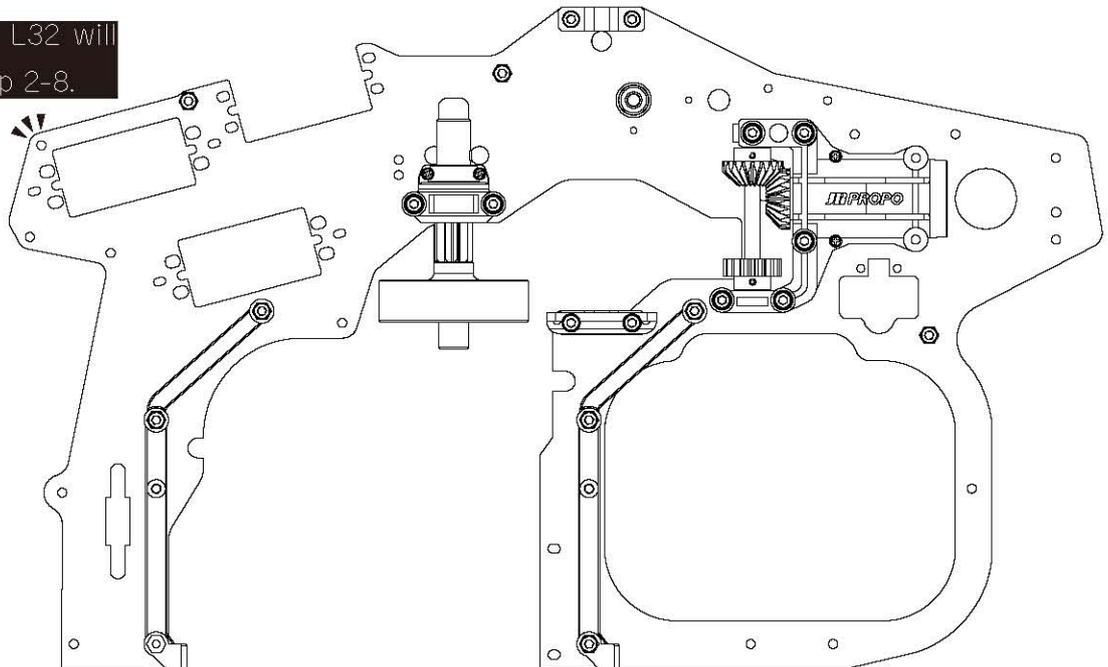


● Don't completely tighten any of these bolts at this time.



Note

※ Cross Member L32 will be installed in Step 2-8.

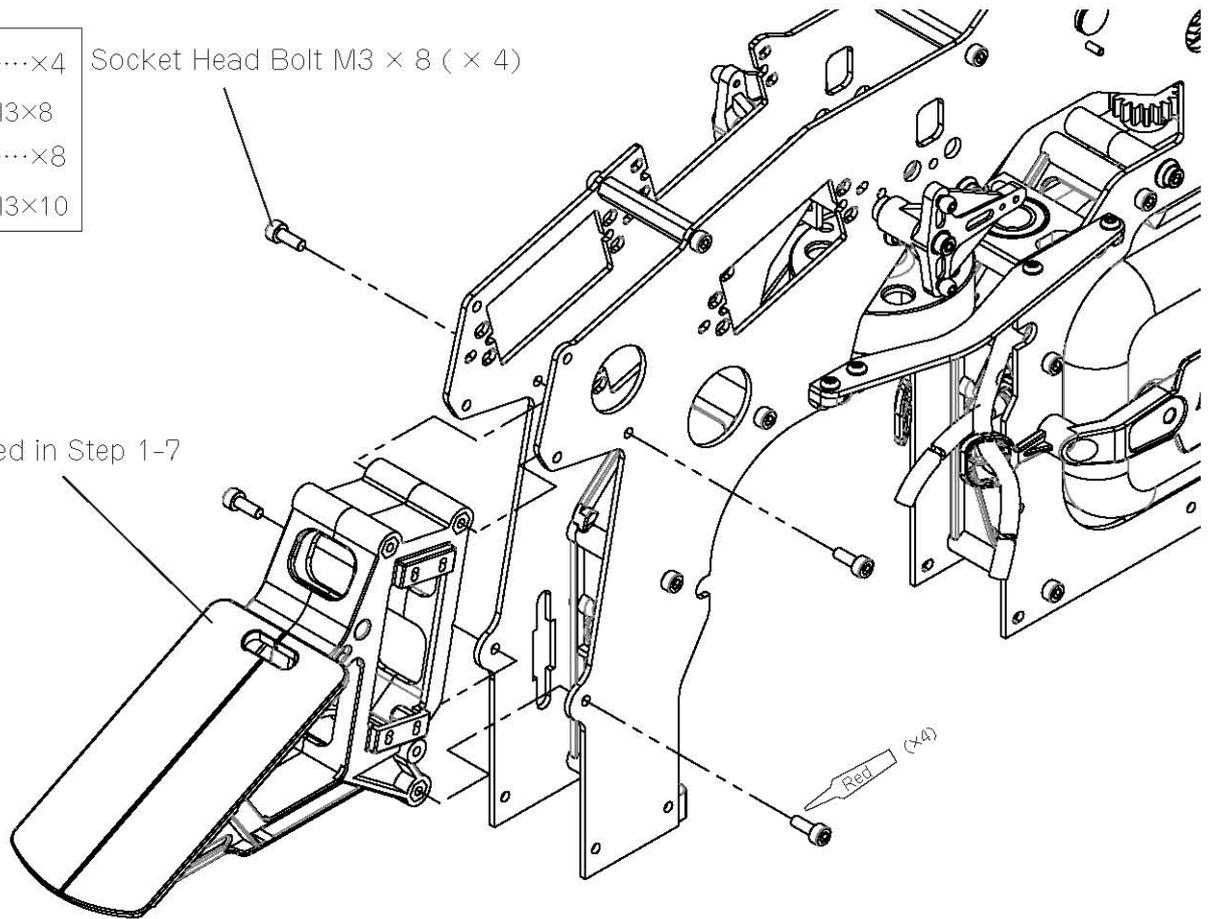


2-8 FRONT BED FRAME INSTALLATION

FRONT BED FRAME/GYRO MOUNT INSTALLATION

- x4 Socket Head Bolt M3 x 8 (x 4)
- Socket Head Bolt M3x8
- x8 Socket Head Bolt M3x10

Assembled in Step 1-7



Cross Member L32

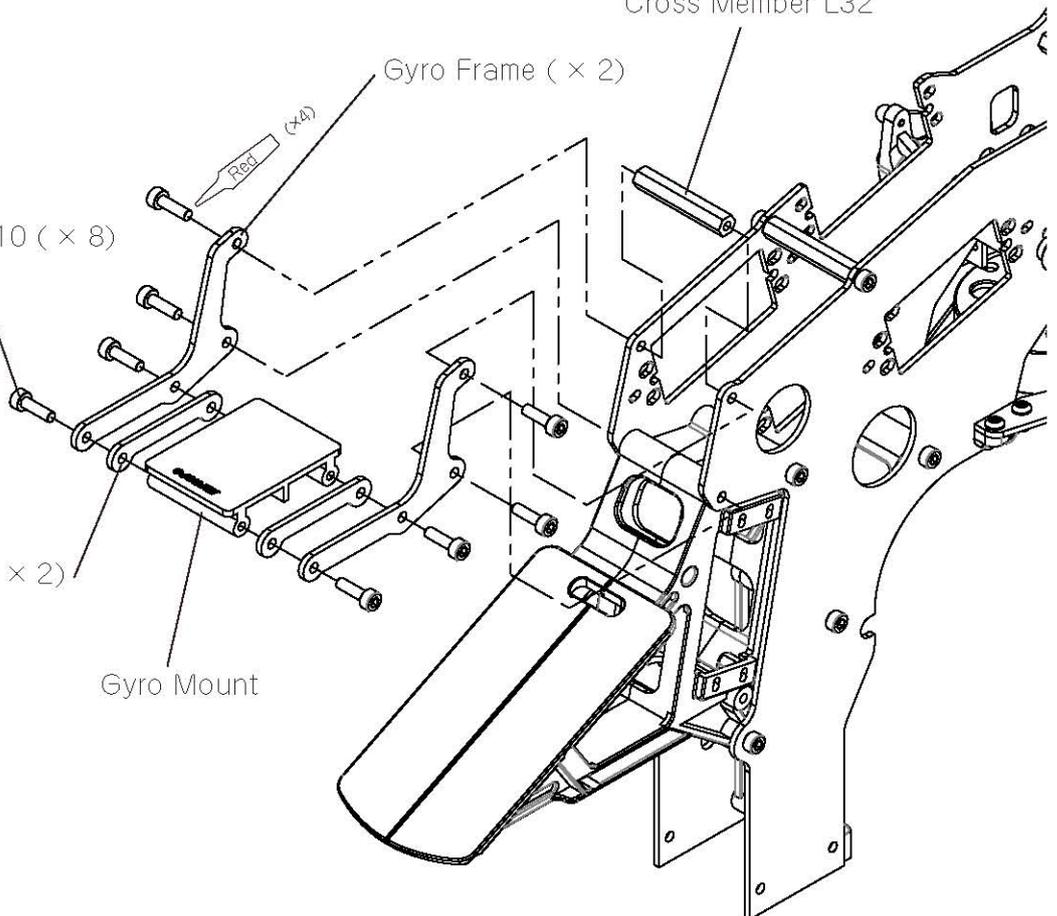
Gyro Frame (x 2)

Socket Head Bolt M3 x 10 (x 8)

Red (x4)

Gyro Frame Spacer (x 2)

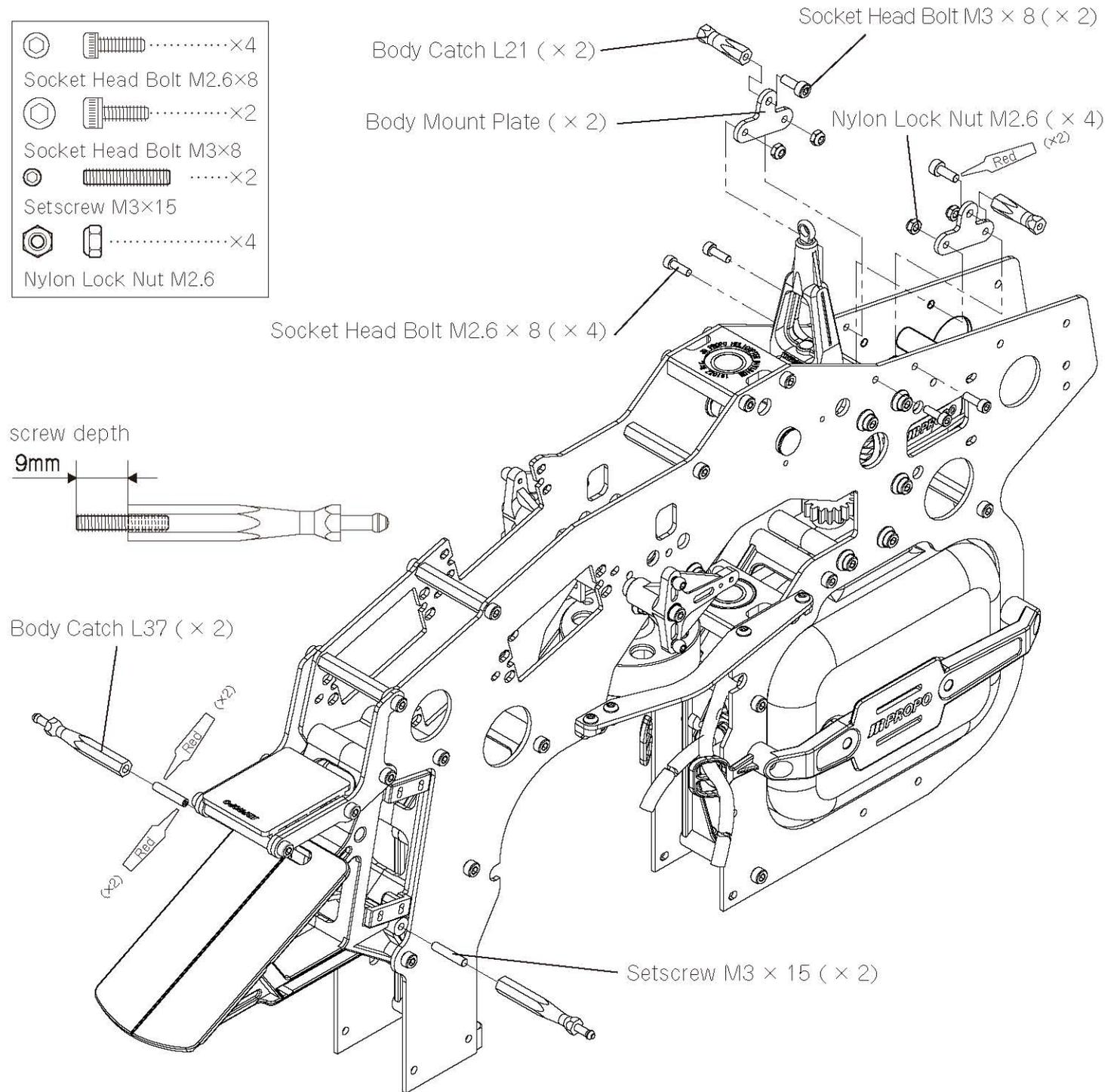
Gyro Mount



2-9 GYRO MOUNT/BODY CATCH INSTALLATION

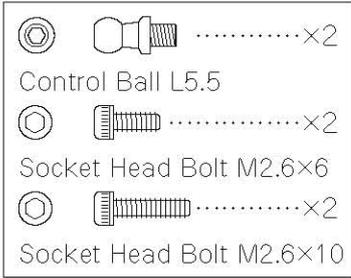
BODY CATCH INSTALLATION

x4
Socket Head Bolt M2.6x8	
x2
Socket Head Bolt M3x8	
x2
Setscrew M3x15	
x4
Nylon Lock Nut M2.6	



4-2 ~~WASHOUT ARM ASSEMBLY~~

MAIN ROTOR GRIP ASSEMBLY



FLB Pitch Arm (× 2)

Control Ball L5.5 (× 2)

※The control ball is typically installed in the outer hole.
Depending on your exact servo setup, this will usually result in a cyclic pitch (Aileron/Elevator) range of +/-12° . If more pitch range is required, please install the ball in the inner hole. For further details on flybarless (FBL) setup instructions please refer to the manual accompanying your FBL gyro.

※Make two sets.

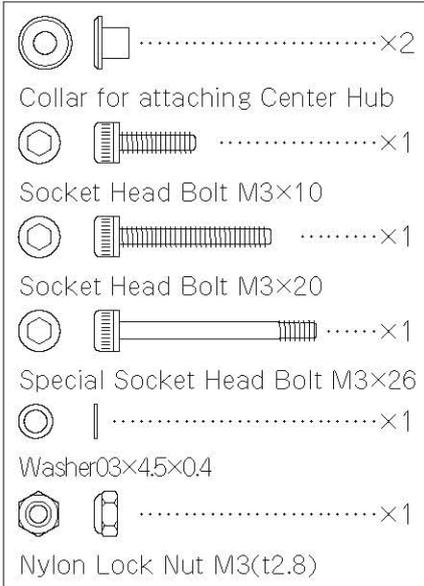
Socket Head Bolt M2.6 × 10 (× 2)

Main Rotor Grip Assembly (× 2)

Socket Head Bolt M2.6 × 6 (× 2)

4-3 ~~MAIN ROTOR GRIP ASSEMBLY~~

FBL CENTER HUB ASSEMBLY



Temporarily tighten the bolt indicated by a ☆ .

They will be firmly tightened following Pitch adjustment.

Socket Head Bolt M3 × 10

Socket Head Bolt M3 × 20 (× 2)

Dome

FBL Center Hub (50)

Nylon Lock Nut M3 (t2.8)

Collar for attaching Center Hub (× 2)

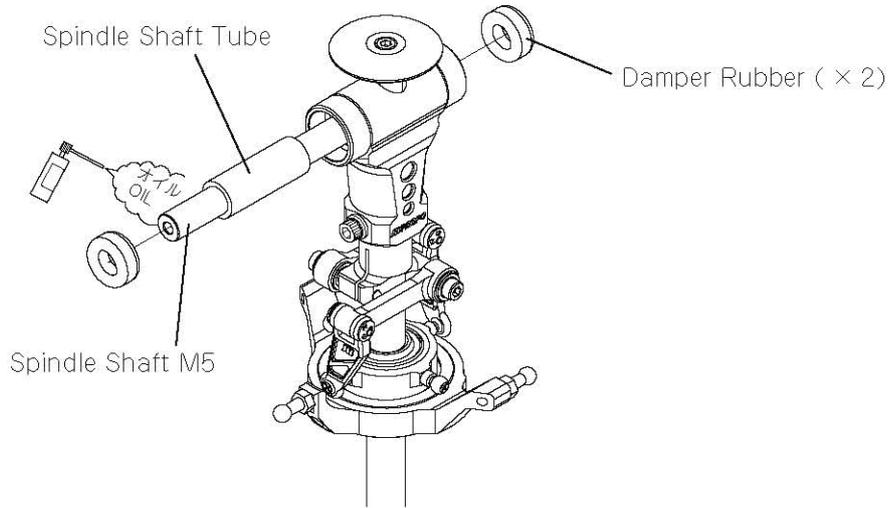
Washer 03 × 4.5 × 0.4 (× 2)

Special Socket Head Bolt M3 × 26

FBL Washout Arm Assembly (× 2)

4-4 ~~CENTER HUB ASSEMBLY~~

SPINDLE SHAFT INSTALLATION

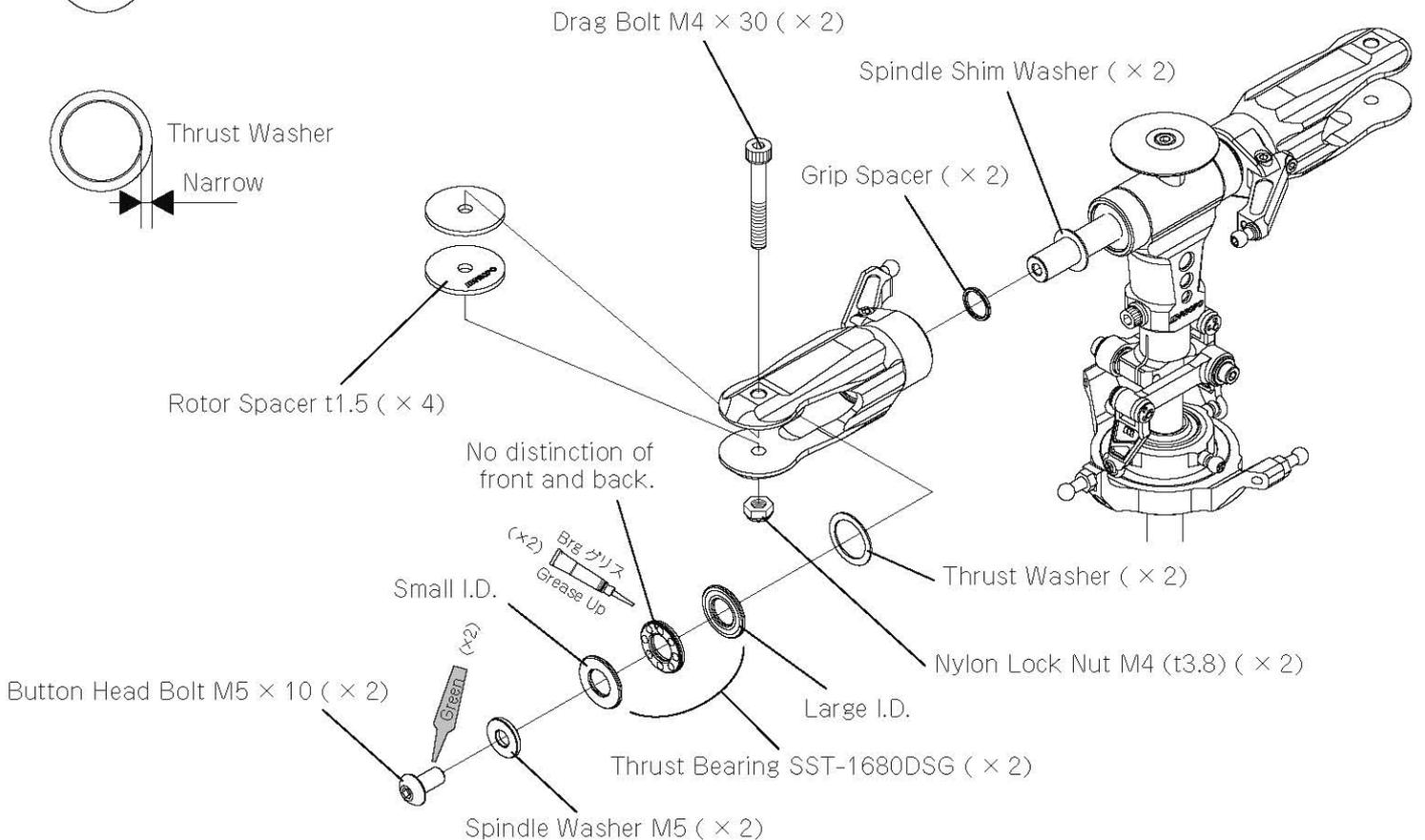
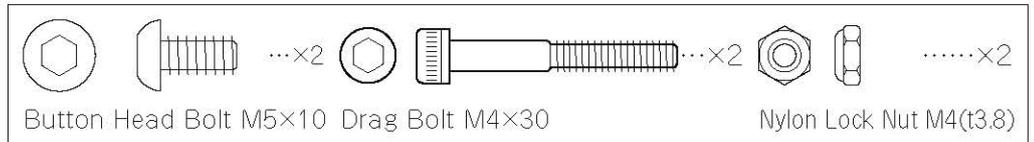


※Sparingly apply a light oil onto the Spindle shaft.

4-5 ~~SEESOW INSTRUCTION~~

MAIN ROTOR GRIP INSTALLATION

How to distinguish the washer



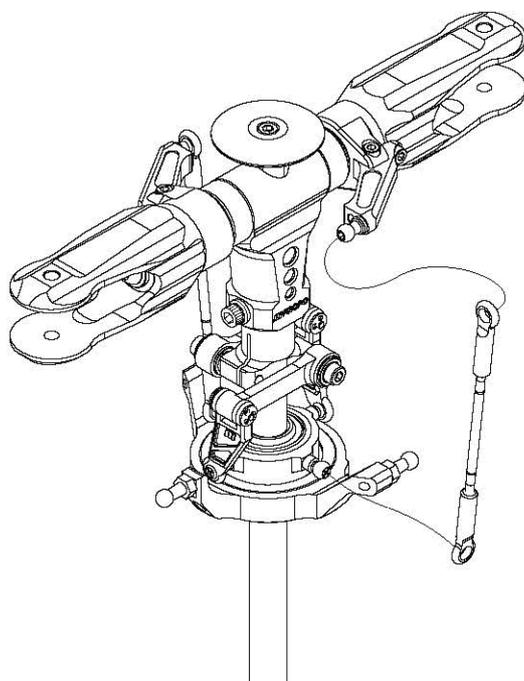
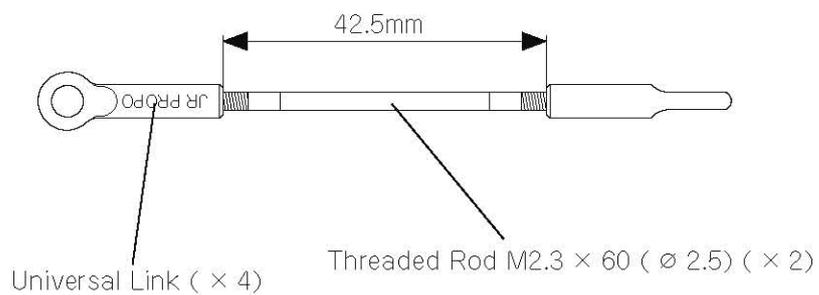
※Apply grease designed for Thrust Bearings.

p.8 ※Please replace these bolts each time they are removed for maintenance, etc.

4-6 MAIN ROTOR HEAD INSTALLATION

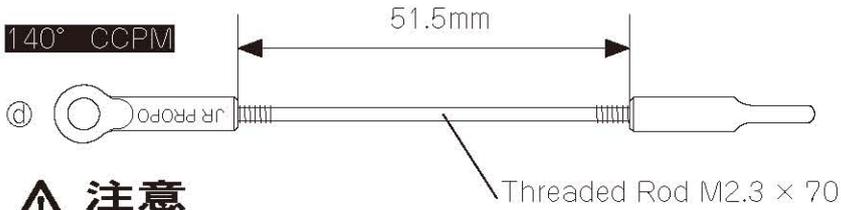
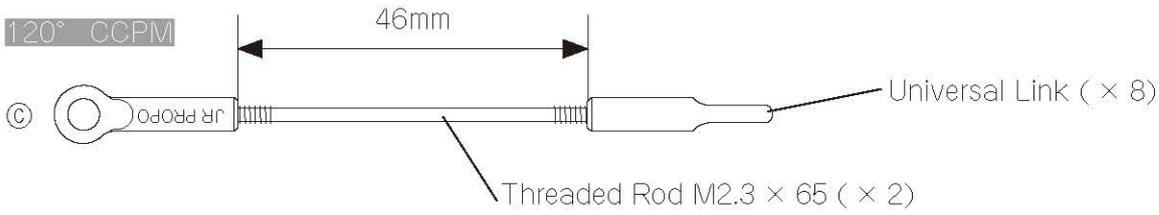
MAIN ROTOR HEAD LINKAGE

※Make two sets.



4-7 FLYBAR PADDLE INSTALLATION

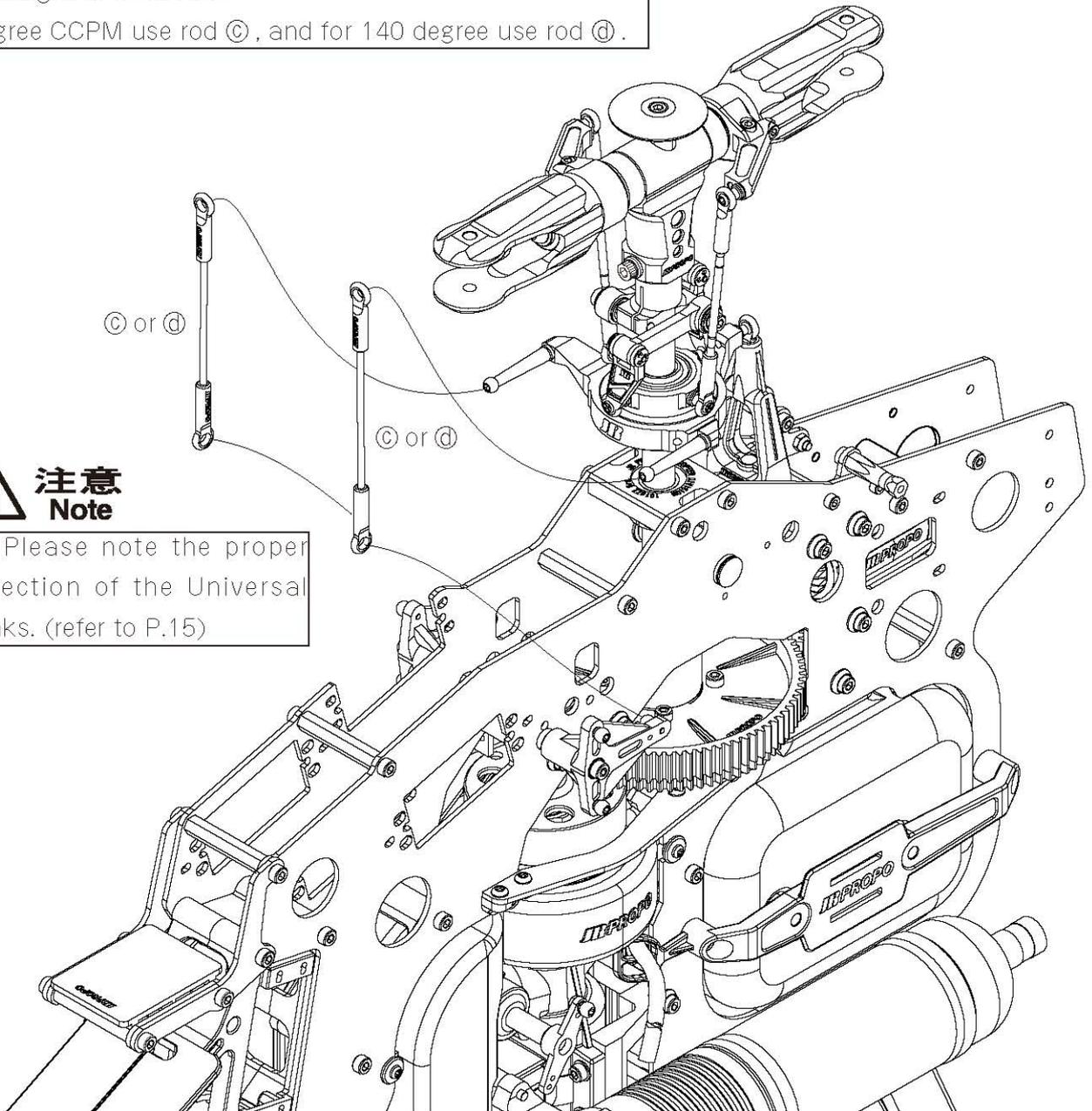
UNIVERSAL LINK INSTALLATION



● Note the length of each Rod.
For 120 degree CCPM use rod © , and for 140 degree use rod Ⓓ .



● Please note the proper direction of the Universal Links. (refer to P.15)

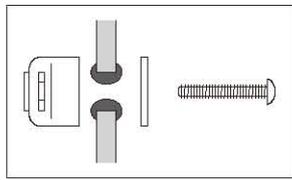
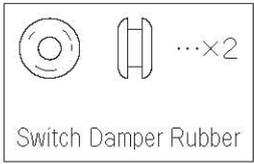


~~4-8 FLYBAR PADDLE INSTALLATION~~

~~4-9 UNIVERSAL LINK INSTALLATION~~

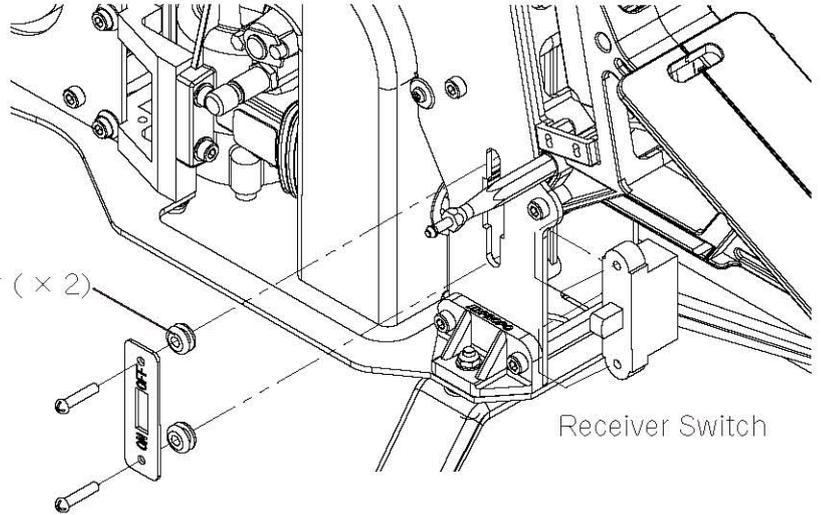
THESE STEPS ARE DELETED.

6-9 SWITCH/GYRO/RECEIVER/BATTERY INSTALLATION

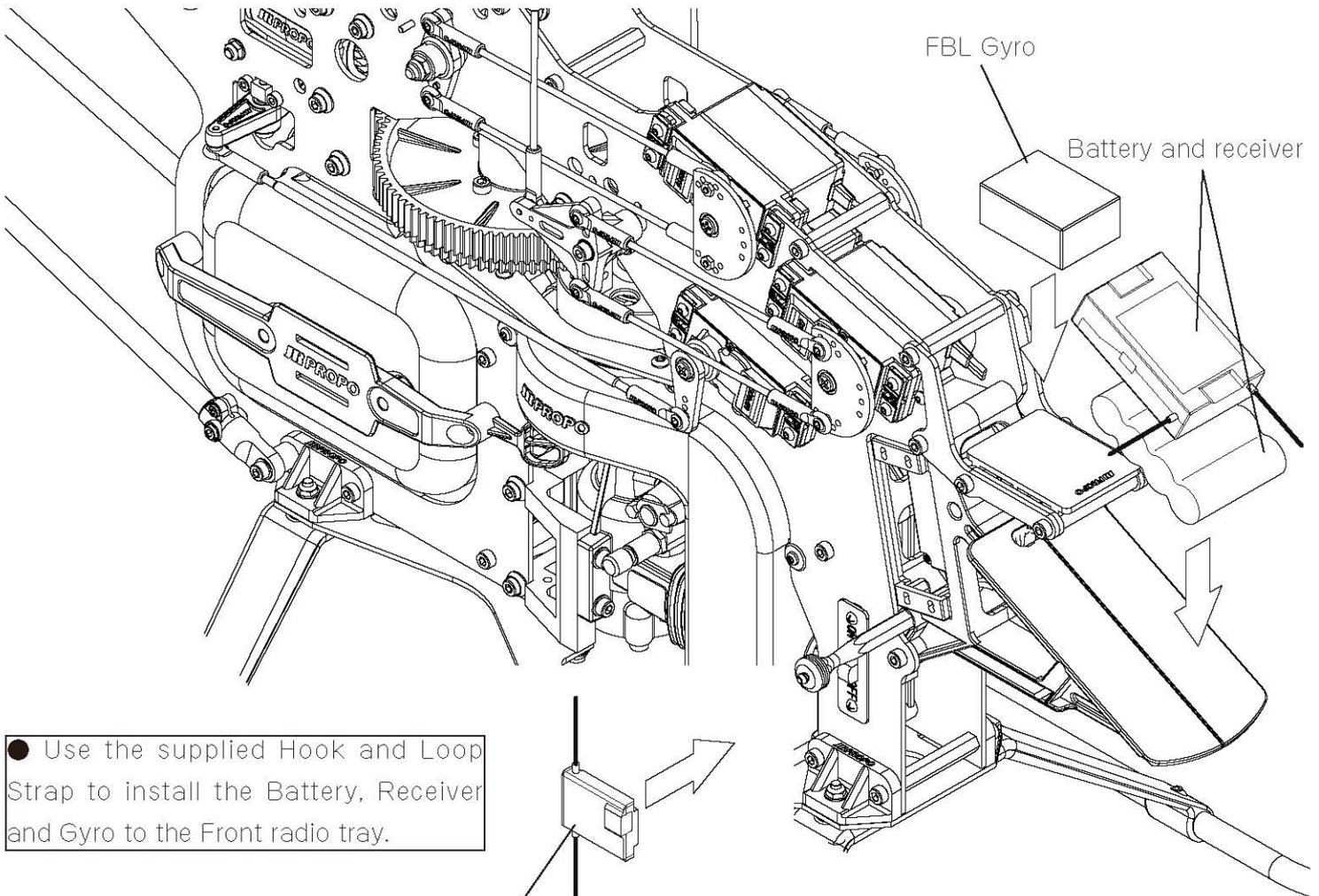


Switch Damper Rubber

Switch Damper Rubber (x 2)



Receiver Switch



FBL Gyro

Battery and receiver

● Use the supplied Hook and Loop Strap to install the Battery, Receiver and Gyro to the Front radio tray.

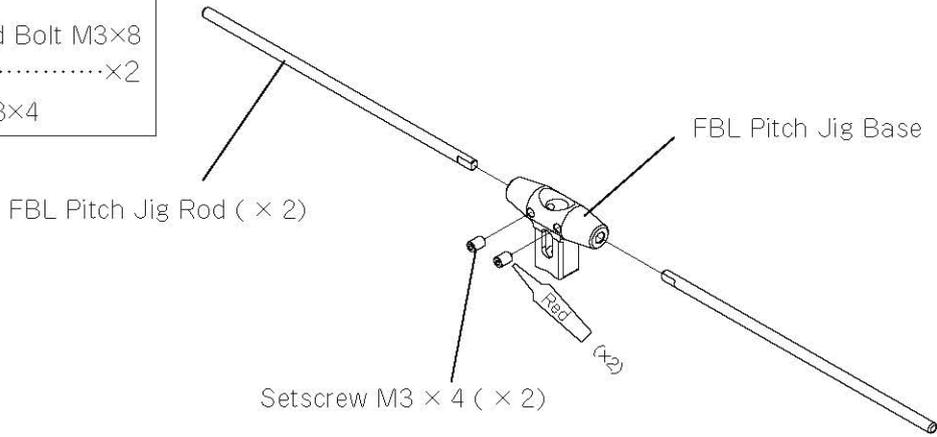
Extra Antenna for 2.4GHz Receiver

Hook and Loop Strap L

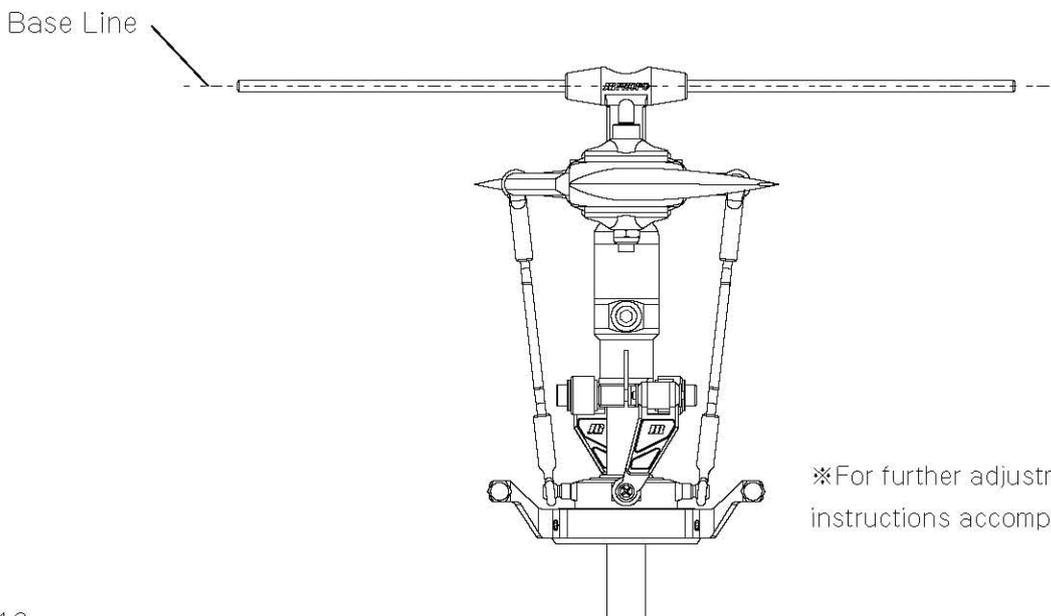
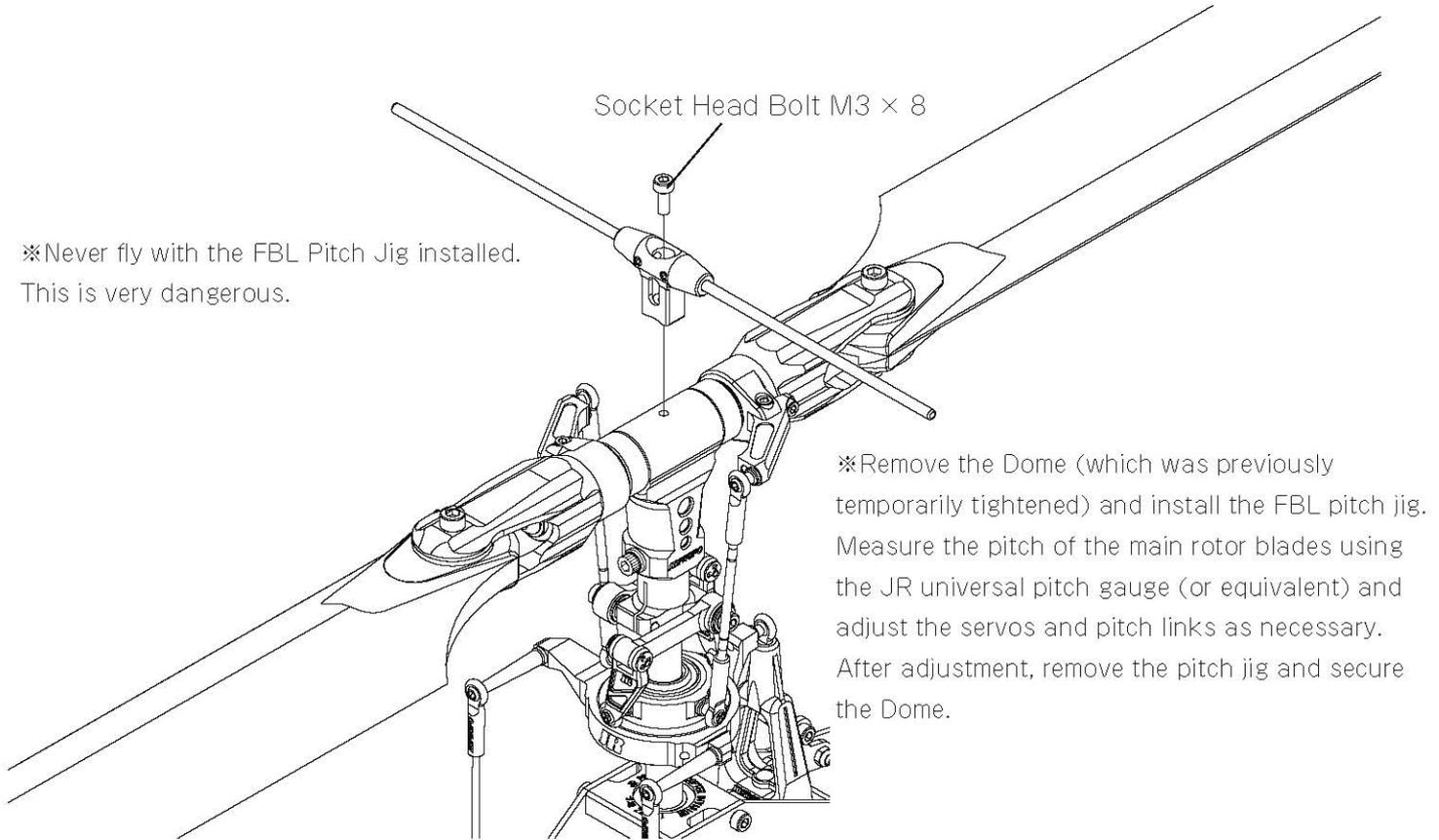
Hook and Loop Strap S

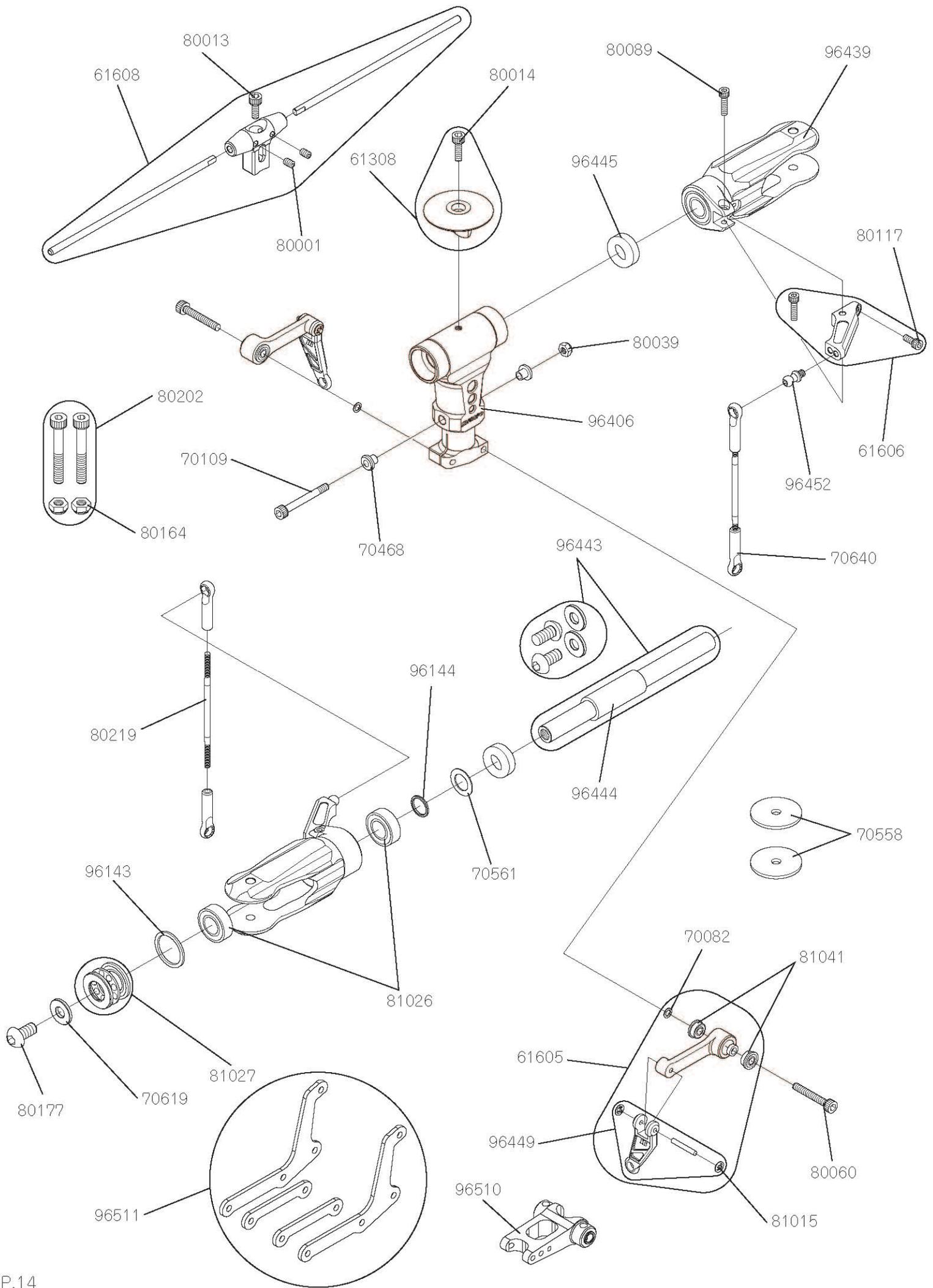
FBL PITCH JIG ASSEMBLY/MAIN ROTOR PITCH ADJUSTMENT

-  ×1
- Socket Head Bolt M3×8
-  ×2
- Setscrew M3×4



※Never fly with the FBL Pitch Jig installed.
This is very dangerous.





Item #	Description	Quantity	Note
61308	Dome	× 1	w/Socket Head Bolt M3 × 10
61605	FBL Washout Arm Assembly	× 2	Color:Red w/LF-730ZZ
61606	FBL Pitch Arm(50)	× 1	w/Socket Head Bolt
61608	FBL Jig Set	× 1	1 Set
70082	Washer 03 × 4.5 × 0.4	× 10	
70468	Collar for attaching Center Hub	× 2	
70558	Rotor Spacer t1.5	× 2	
70561	Spindle Shim Washer	× 4	
70619	Spindle Washer M5	× 2	
70640	Universal Link	× 10	
80001	Setscrew M3 × 4	× 10	
80013	Socket Head Bolt M3 × 8	× 10	
80014	Socket Head Bolt M3 × 10	× 10	
80039	Nylon Lock Nut M3(t2.8)	× 10	
80089	Socket Head Bolt M2.6 × 10	× 10	
80117	Socket Head Bolt M2.6 × 6	× 10	
80164	Nylon Lock Nut M4(t3.8)	× 10	
80177	Button Head Bolt M5 × 10	× 10	
70109	Special Socket Head Bolt M3 × 26	× 10	
80202	Drag Bolt Set M4 × 30	× 1	w/Nylon Lock Nut M4
80219	Threaded Rod M2.3 × 60(ø 2.5)	× 2	
81015	CA Stopper Ring M2	× 10	
81026	Shielded Bearing 08 × 16 × 5	× 2	L-1680ZZ
81027	Thrust Bearing 08 × 16 × 5	× 2	SST-1680DSG
81041	Shielded Bearing F03 × 07 × 3	× 2	LF-730ZZ
96143	Thrust Washer	× 2	
96144	Grip Spacer	× 2	
96406	FBL Center Hub (50)	× 1	w/Button Head Bolt M4 × 8
96439	Main Rotor Grip Assembly	× 1	w/L-1680ZZ
96443	Spindle Shaft M5	× 1	w/Spindle Shaft Tube · Spindle Washer · Button Head Bolt
96444	Spndle Shaft Tube	× 1	
96445	Damper Rubber	× 4	Hardness 90°
96449	Washout Link C	× 2	w/Washout Link Pin
96452	Control Ball L5.5	× 1	
96510	Swash Control Base (Metal)	× 1	
96511	Gyro Frame Set	× 1	1 Set

JR PROPO[®]

WWW.JRPROPO.CO.JP