

RADIO CONTROLLED 28~32 ENGINE POWERED HELICOPTER

CONCEPT 30™

- THE SE COMES WITH LIGHTWEIGHT NYLON FLYBAR PADDLES FOR EXCELLENT RESPONSIVENESS FOR THE ADVANCED PILOT.
- THE DX IS EQUIPPED WITH HEAVIER ALUMINUM FLYBAR PADDLES PROVIDING EXCELLENT STABILITY FOR THE NOVICE PILOT.
- DDF STYLE ROTOR HEAD FOR OUTSTANDING STABILITY.
- FLEXIBLE LANDING GEAR TO ABSORB MANY HARD LANDINGS.
- EASY STEP-BY-STEP INSTRUCTION MANUAL.
- COMPOSITE FIBERGLASS-FOAM BLADES FOR EXCELLENT BALANCE AND C.G. (27% FROM LEADING EDGE).
- EASY ACCESS CONE STARTING SYSTEM.
- HIGHLY ATTRACTIVE BODY AND DECAL DESIGN FOR REALISTIC APPEARANCE.
- THE DX COMES WITH 18 BALL BEARINGS.
- THE SE COMES WITH FULL BALL BEARINGS AT EVERY FRICTION POINT.

RADIO: 4 TO 5 CHANNEL
* GYRO RECOMMENDED
(NOT INCLUDED)

MAIN ROTOR SPAN 1,160 mm



KIT NO. 4089 (DX KIT)
KIT NO. 4090 (SE KIT)

KYOSHO
THE FINEST RADIO CONTROL MODELS

WARNING!

This Radio Controlled Helicopter is not a toy! It is a complex machine that is capable of serious bodily harm and property damage. IT IS YOUR RESPONSIBILITY AND YOURS ALONE - to complete this kit correctly, properly install all R/C components, and to test fly the helicopter. IF YOU ARE JUST STARTING R/C MODELING, CONSULT YOUR LOCAL HOBBY SHOP OR WRITE TO THE ACADEMY OF MODEL AERONAUTICS TO FIND AN EXPERIENCED INSTRUCTOR IN YOUR AREA.

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CONCEPT 30
SERIAL NO. A 72899

ASSEMBLY NOTES

Important: Check contents thoroughly to ensure that no parts are missing. Refer to Bagged Parts List (pp. 34-35).



○ Before you begin, carefully read through the manual. This will give you a better understanding of the construction of this model.

○ Certain symbols are used throughout the instructions. Pay attention to their location.

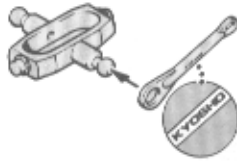
OIL ... Points where Grease/Oil should be applied. (This will reduce wear and friction and provide a smoother operating joint.)

SW-LOCK ... Places where Screw Lock (Zap Lock, etc.) should be applied. This will prevent screws and nuts from loosening up during operation due to the vibration of the model.



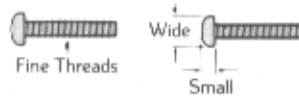
... Where you see this face, are steps that you should pay extra particular attention to when building this model.

○ When installing any control rod make sure that the word "Kyosho" faces outwards.



A few different types of screws are used in the construction of your model. Here are some examples of them and how they will be indicated in the instructions. For example, Self Tapping will simply be S/T screw.

SCREW

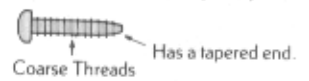


If it is an ordinary screw it will be marked "screw".

ALLEN HEAD SCREW (A/H)



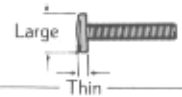
SELF TAPPING (S/T)



FLAT HEAD SCREW (F/H)



PAN HEAD SCREW (P/H)



Use the exploded diagram to compare the shapes of the small parts used with each step.

Do not use excessive force when tightening S/T type screws into plastic. Overtightening will cause the threaded portion of the plastic to strip. It is recommended to stop tightening when some resistance is felt after the threaded portion enters the plastic.



ASSEMBLY STEPS (ASSEMBLE ALL STEPS IN ORDER AS SHOWN)

1 STABILIZER SEE-SAW ASSEMBLY

Step 1

(Actual Size)
M3 x 4 SET SCREW . . 1

ALLEN WRENCH
 (1.5mm)

M3 x 4 SET SCREW

Thread the set screw into both parts.

Do not tighten yet.

⑦ **HILLER CONTROL LEVER**
 (HE-1)

⑧ **CONTROL LEVER BUSHING**
 (HE-1)

Step 2

④ **FLYBAR**
 (HE-17)

Make sure the "Kyosho" faces out.

⑤ **STABILIZER SEESAW**
 (HE-1)

⑧ **STABILIZER CONTROL ROD**
 (HE-3)

"Kyosho" faces out.

NOTE: If the control rods in any step seem too tight, sand the ball receptacle lightly with 400 grit sandpaper.

2 INSTALLATION OF THE STABILIZER PADDLES

SE

ALLEN WRENCH
 (1.5mm)

M3 NUT

Install but do not tighten until Step 15.

M3 x 4 SET SCREW

30mm

⑨ STABILIZER PADDLE (DX)
 (HE-4)

SEE-SAW BEARING
 (HE-4)

SE

⑩ STABILIZER PADDLE (SE)
 (HE-2)

30mm

Make sure that the paddles are positioned as shown in this picture.

ROTOR DIRECTION

Screw on the nylon paddles to 33mm from the end of the fly bar.

⑩ STABILIZER PADDLE (SE)
 (HE-2)

30mm

3 STABILIZER PADDLE
 (HE-4)

DX

Hold the M3 Nut in the paddle and screw it on to 30mm.

Install but do not tighten until Step 15.

M3 x 4 SET SCREW

M3 NUT

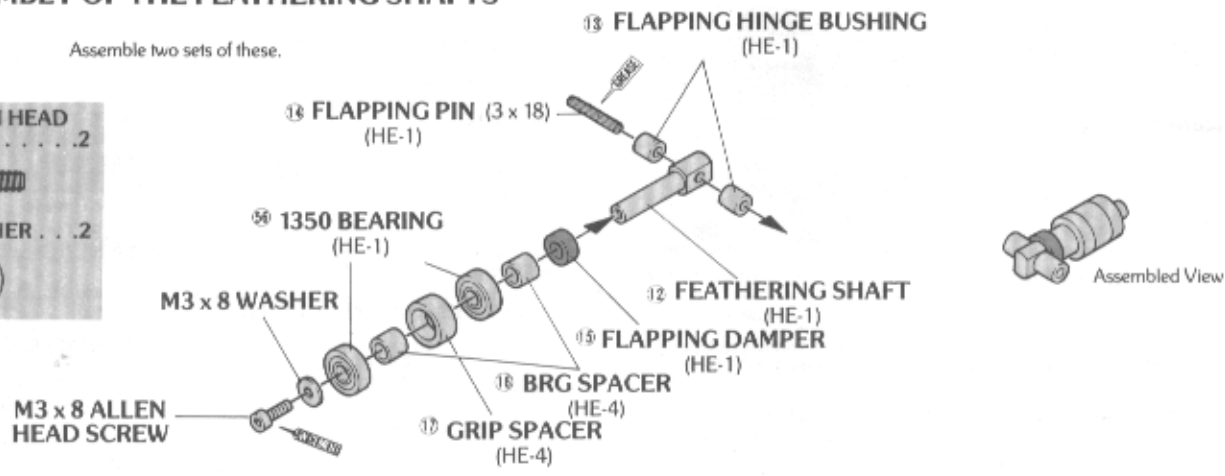
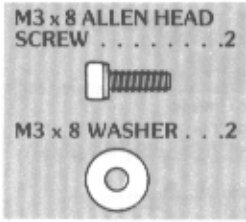
30mm

M3 x 4 SET SCREW . . 2

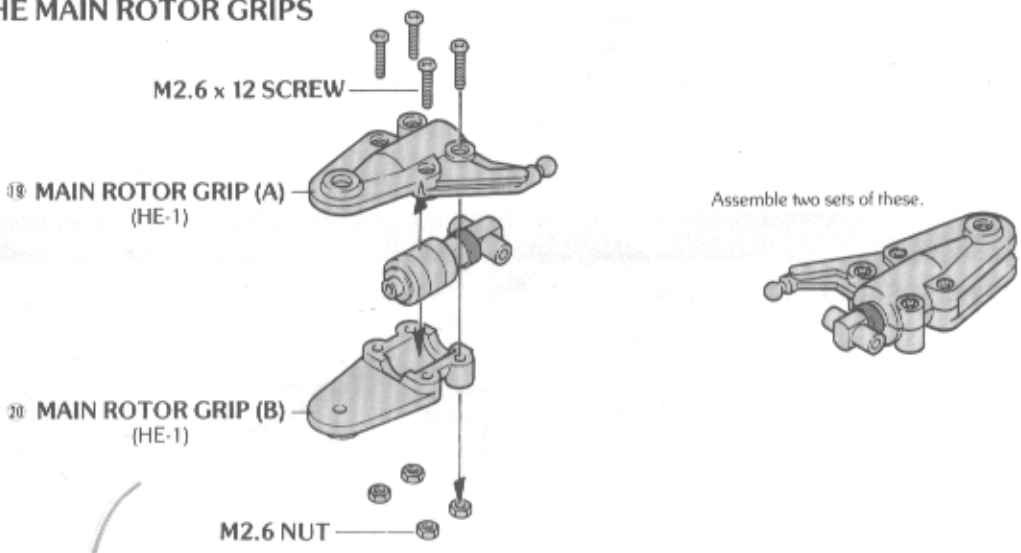
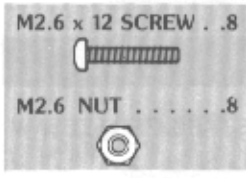
M3 NUT 2

3 ASSEMBLY OF THE FEATHERING SHAFTS

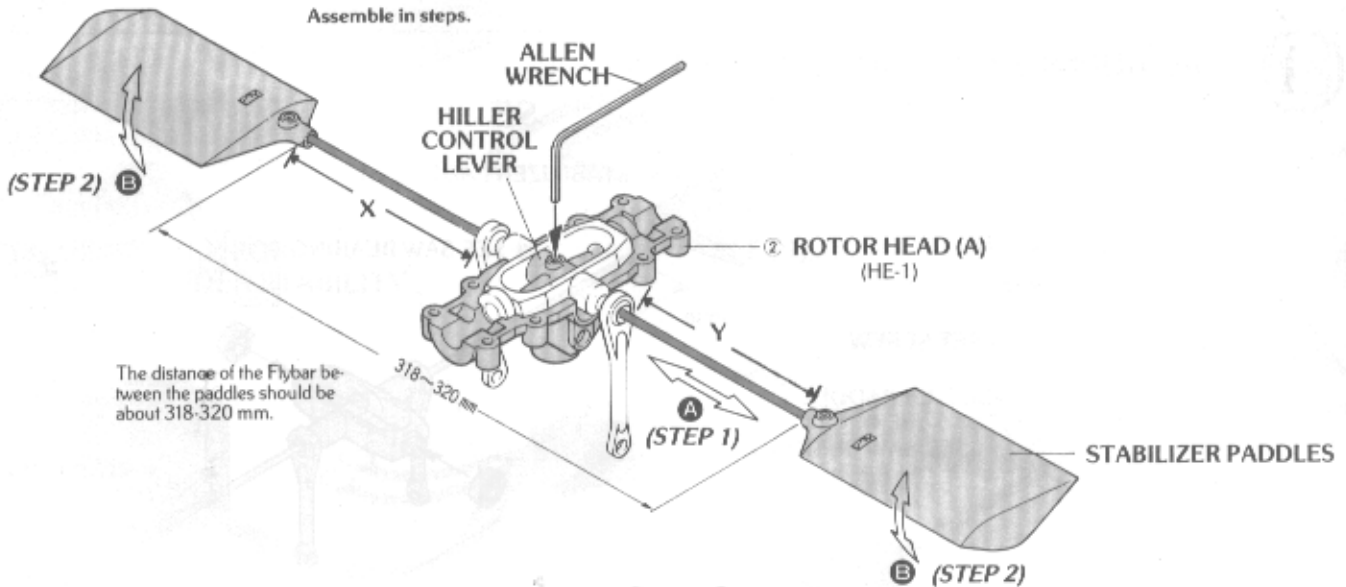
Assemble two sets of these.



4 ASSEMBLY OF THE MAIN ROTOR GRIPS

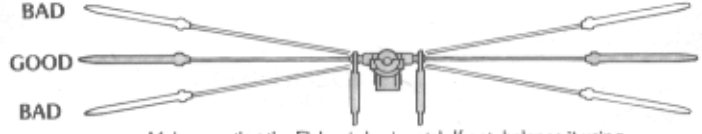


5 INSTALLING ROTOR HEAD (A)



Step 1

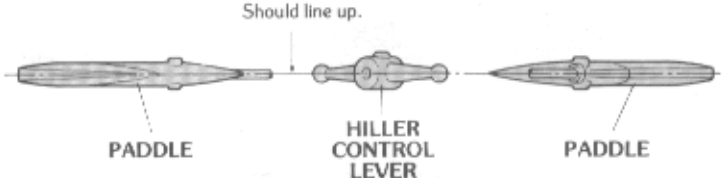
Move the Flybar so distances (X) and (Y) are equal. Then tighten the center set screw. Hold onto the Rotor Head (A) and balance the Flybar.



Make sure that the Flybar is horizontal. If not, balance it using decals or tape on the higher paddle.

Step 2

Make sure that both Stabilizer Paddles and the Hiller Control Lever are lined up in the same plane as shown.

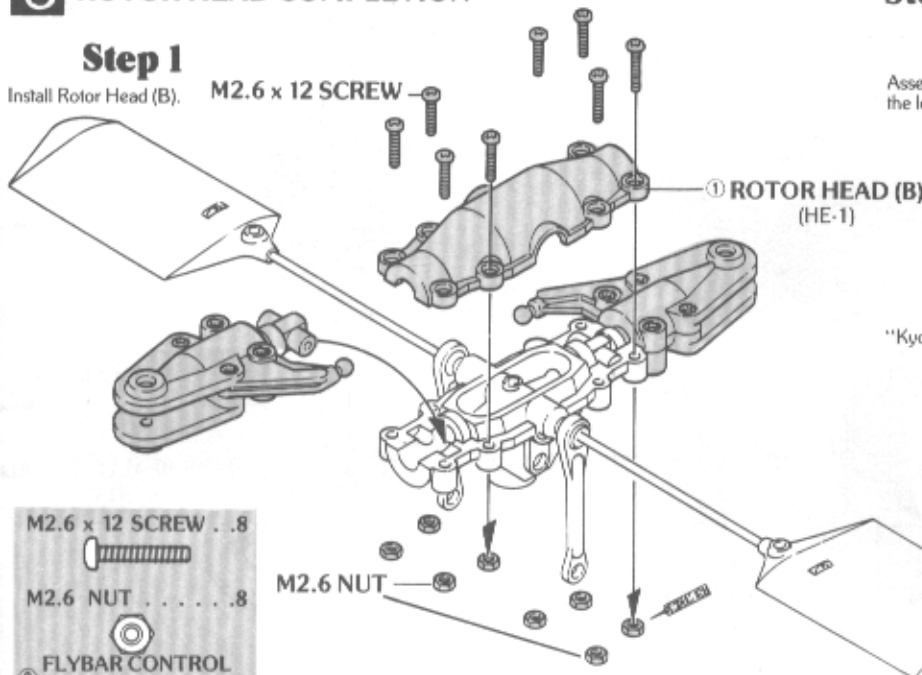


6 ROTOR HEAD COMPLETION

Step 1

Install Rotor Head (B).

M2.6 x 12 SCREW



M2.6 x 12 SCREW8

M2.6 NUT8

FLYBAR CONTROL

ROD2

PITCH CONTROL

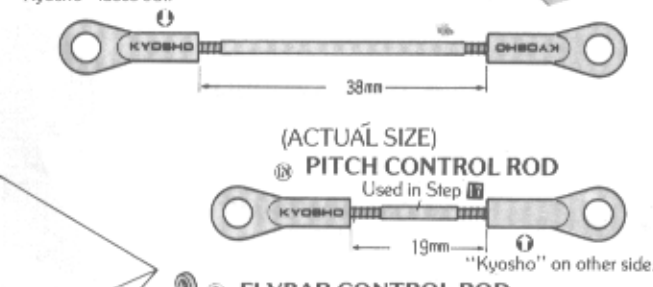
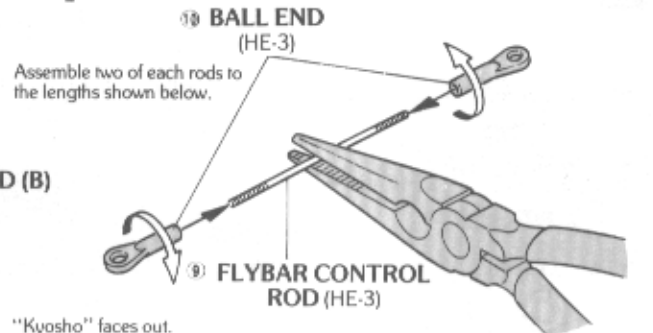
ROD2

M2.6 NUT

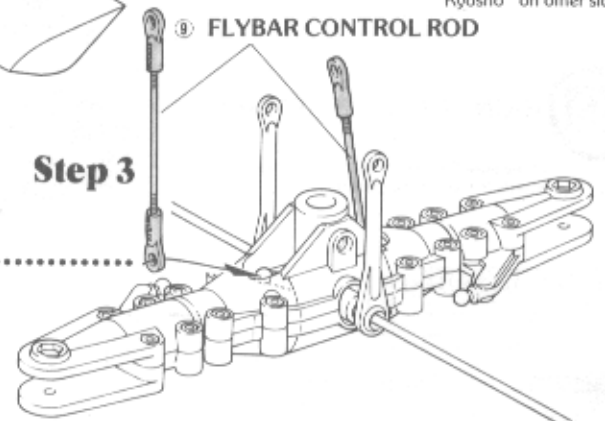
Make sure the "Kyosho" word faces out.



Step 2



Step 3



7 SWASHPLATE ASSEMBLY

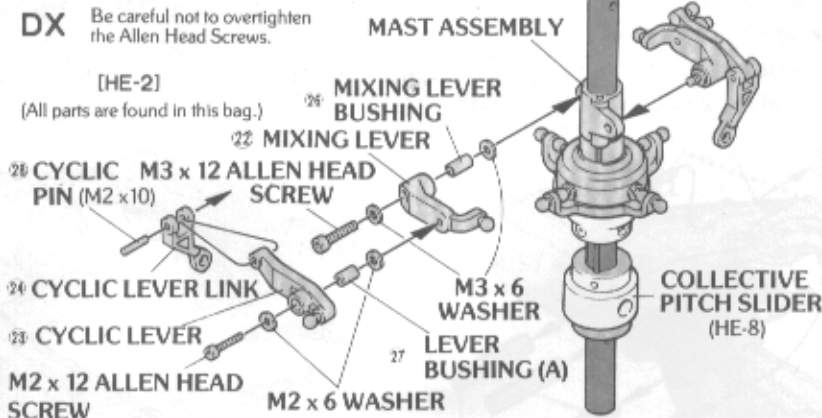
Step 1

DX

Be careful not to overtighten the Allen Head Screws.

[HE-2]

(All parts are found in this bag.)

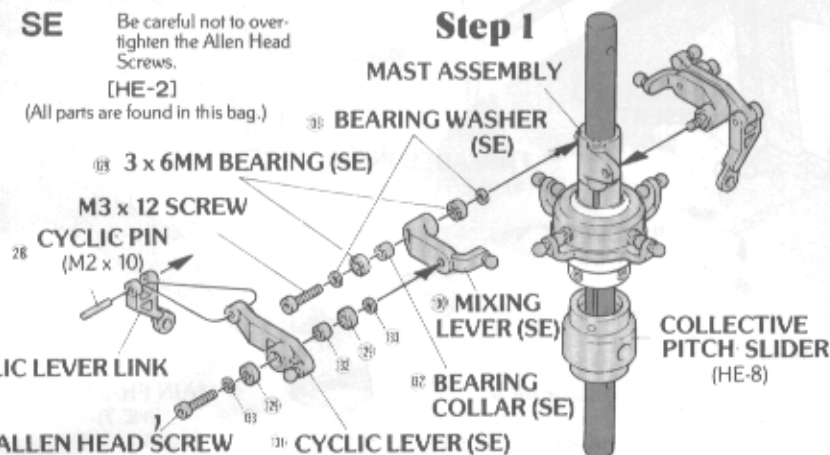


SE

Be careful not to overtighten the Allen Head Screws.

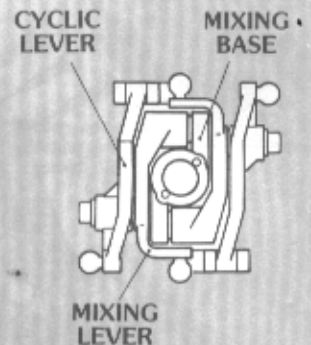
[HE-2]

(All parts are found in this bag.)



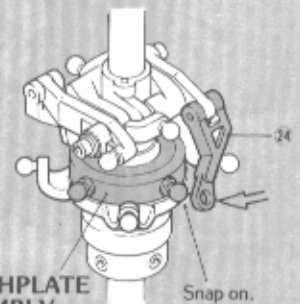
DX · SE (BOTH)

Make sure that all linkages move freely.

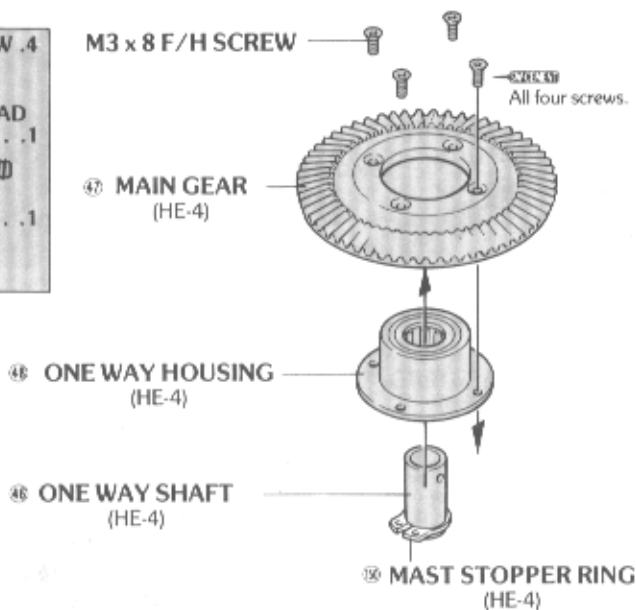
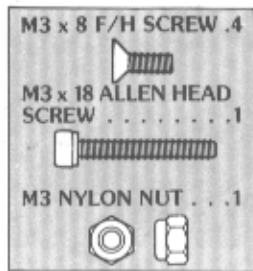


Step 2

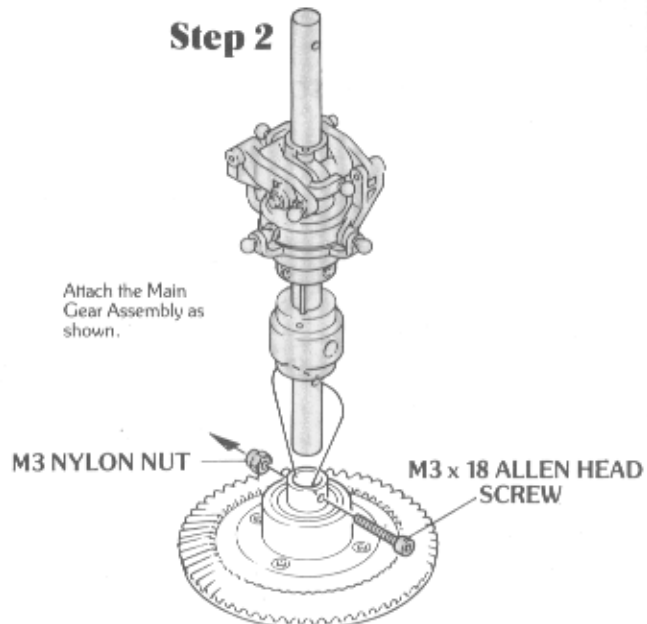
Snap on both sides, part #24 as shown.



8 MAIN GEAR INSTALLATION

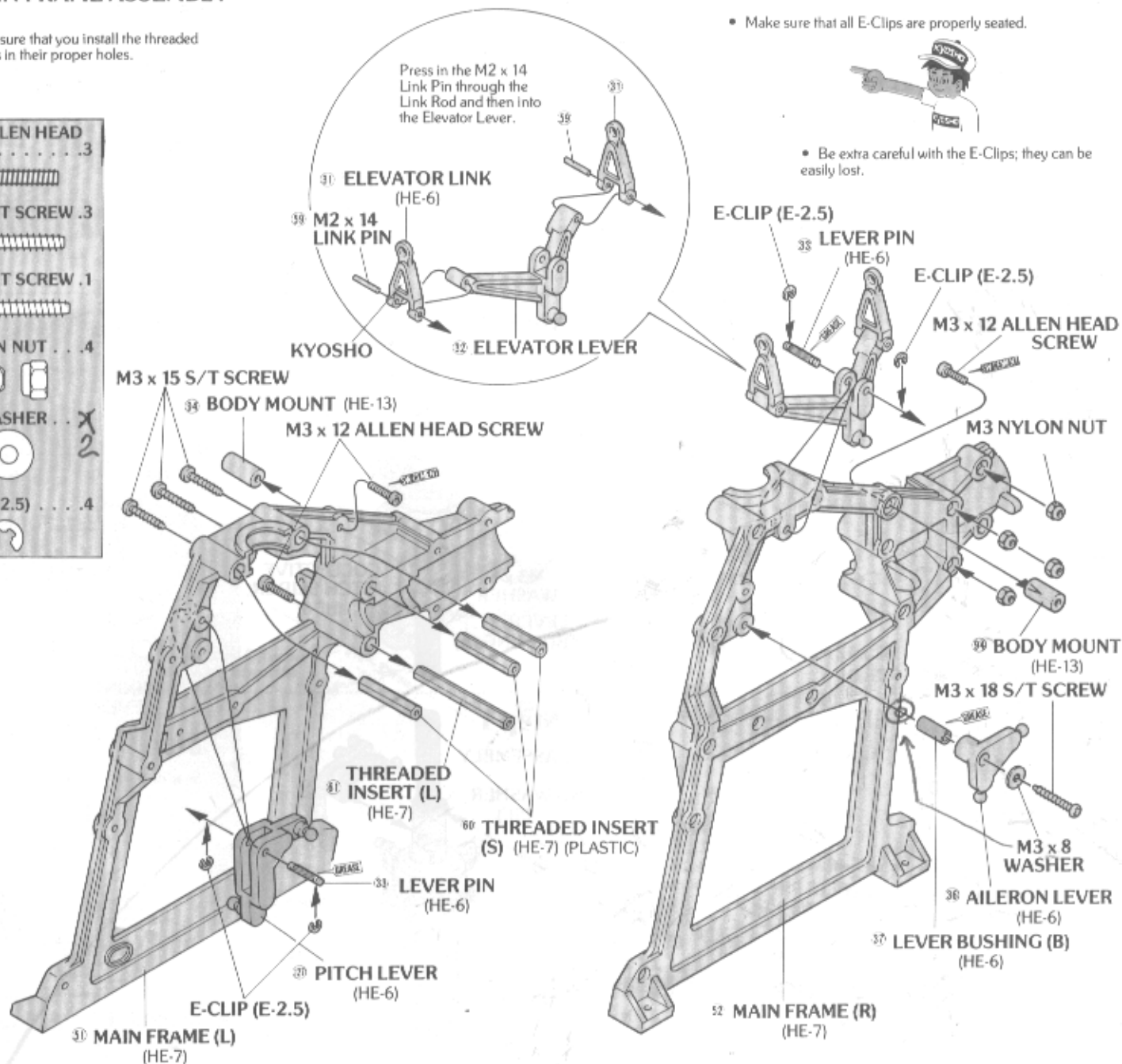
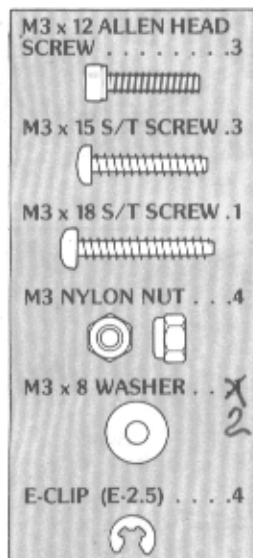


Step 2



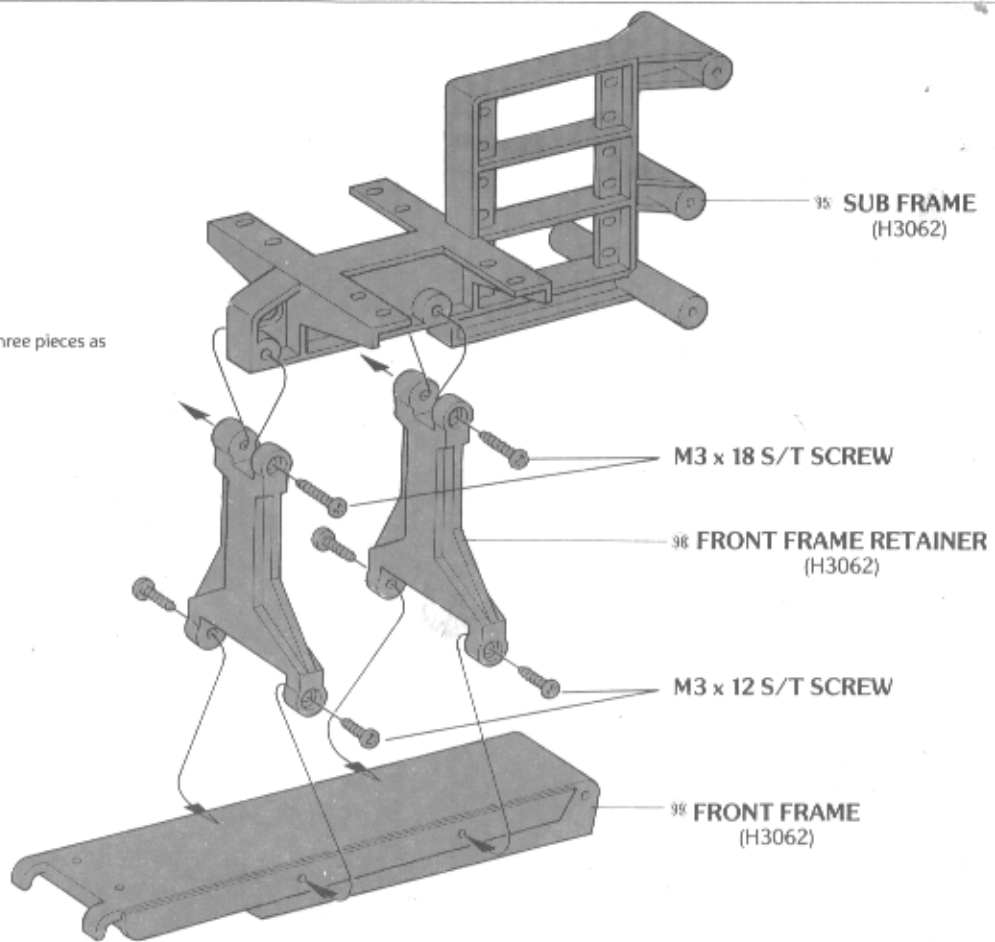
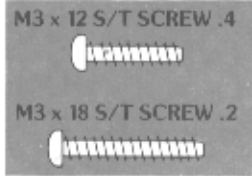
9 MAIN FRAME ASSEMBLY

Make sure that you install the threaded inserts in their proper holes.



10 FRAME ASSEMBLY

Assemble the three pieces as shown.

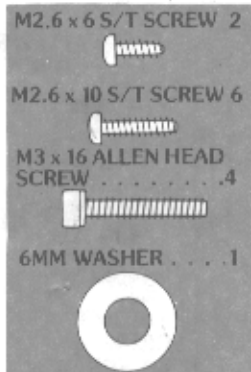


11 ENGINE PREPARATION

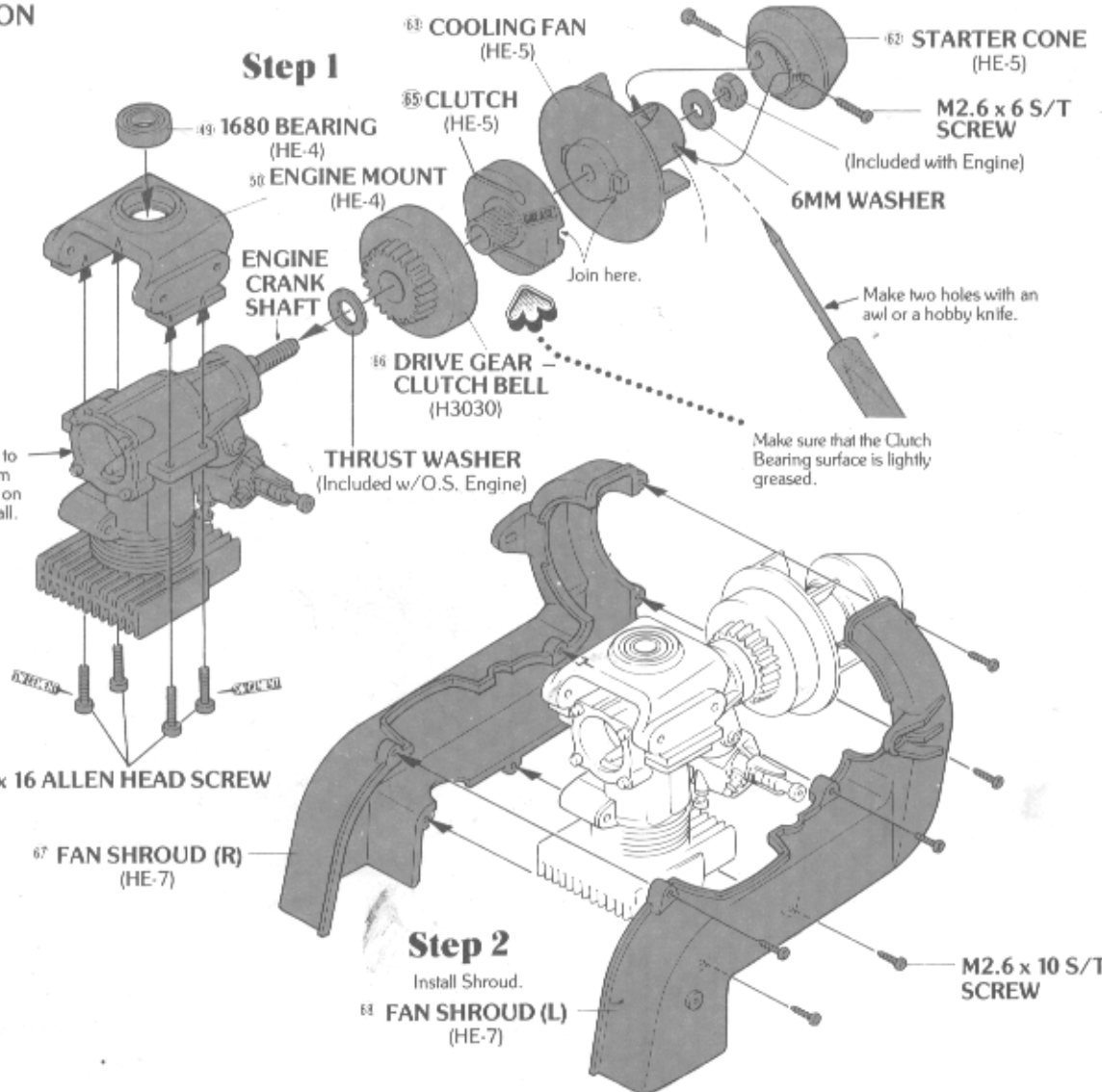
Remove Drive Washer from the engine. It is not needed.

Install the clutch, cooling fan, starter cone, etc., as shown at right.

Remove the back plate to hold the crankshaft from turning while screwing on the clutch. Then reinstall.



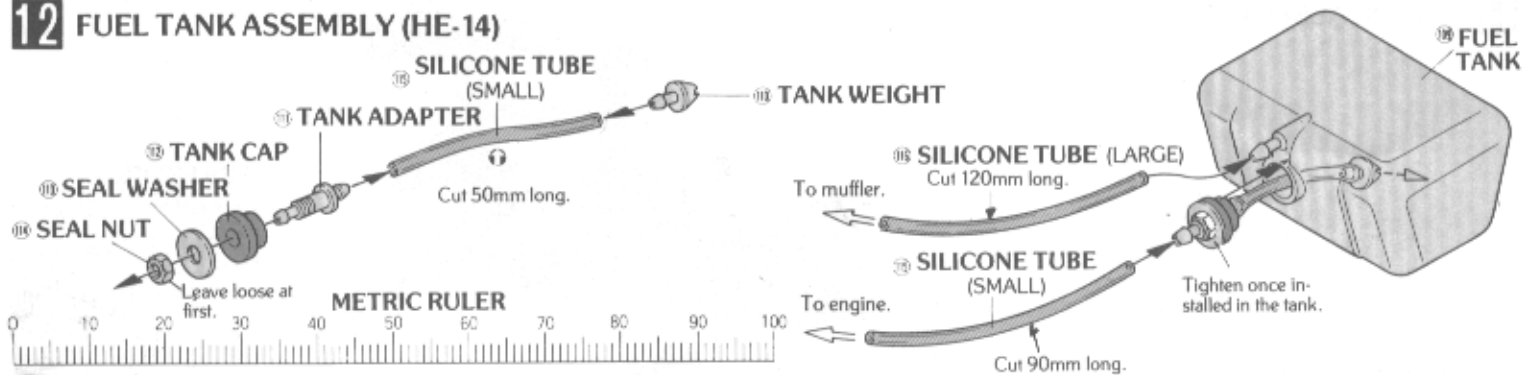
Step 1



Step 2

Install Shroud.

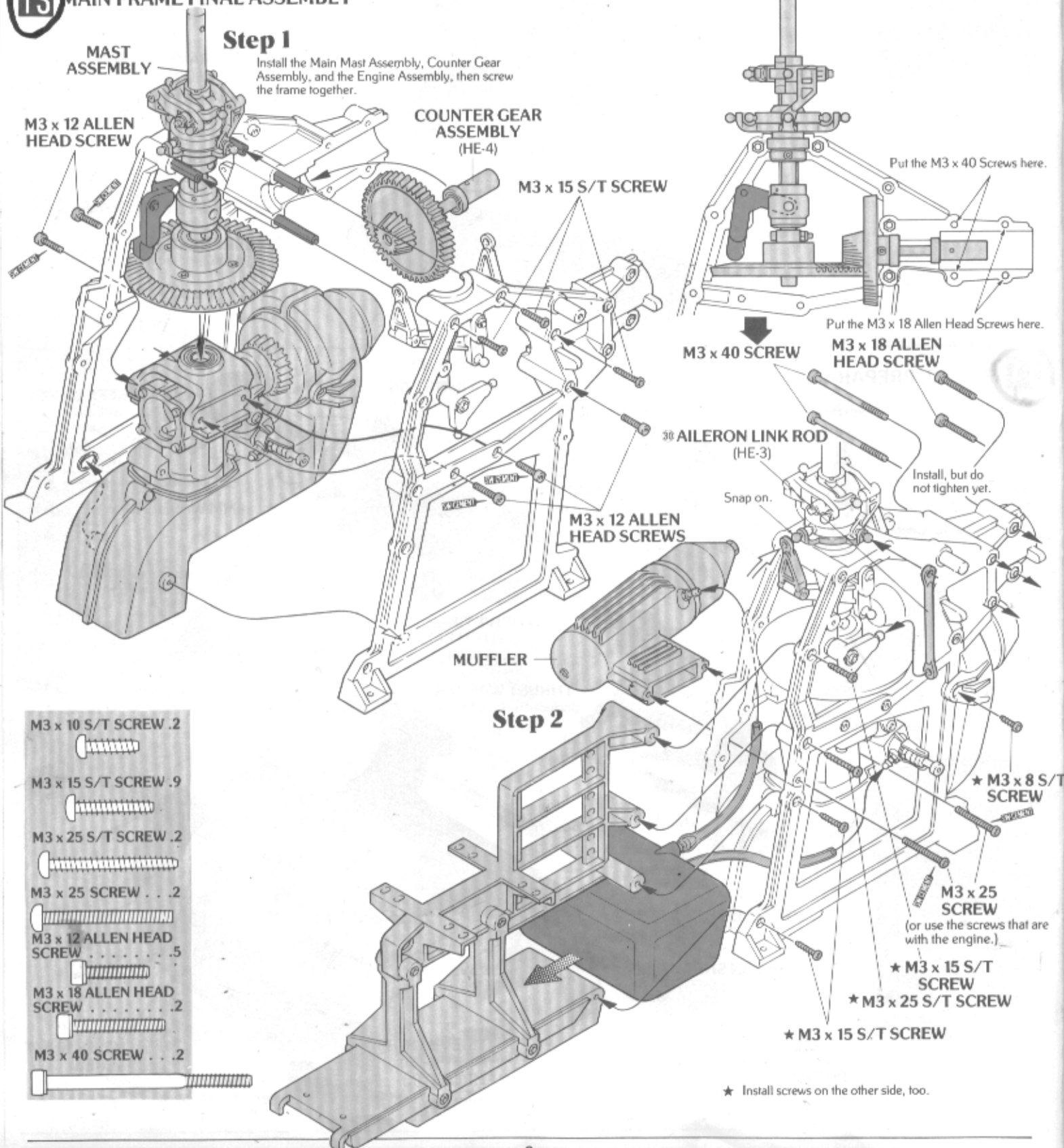
12 FUEL TANK ASSEMBLY (HE-14)



13 MAIN FRAME FINAL ASSEMBLY

Step 1

Install the Main Mast Assembly, Counter Gear Assembly, and the Engine Assembly, then screw the frame together.



M3 x 10 S/T SCREW .2

M3 x 15 S/T SCREW .9

M3 x 25 S/T SCREW .2

M3 x 25 SCREW . . . 2

M3 x 12 ALLEN HEAD SCREW5

M3 x 18 ALLEN HEAD SCREW2

M3 x 40 SCREW2

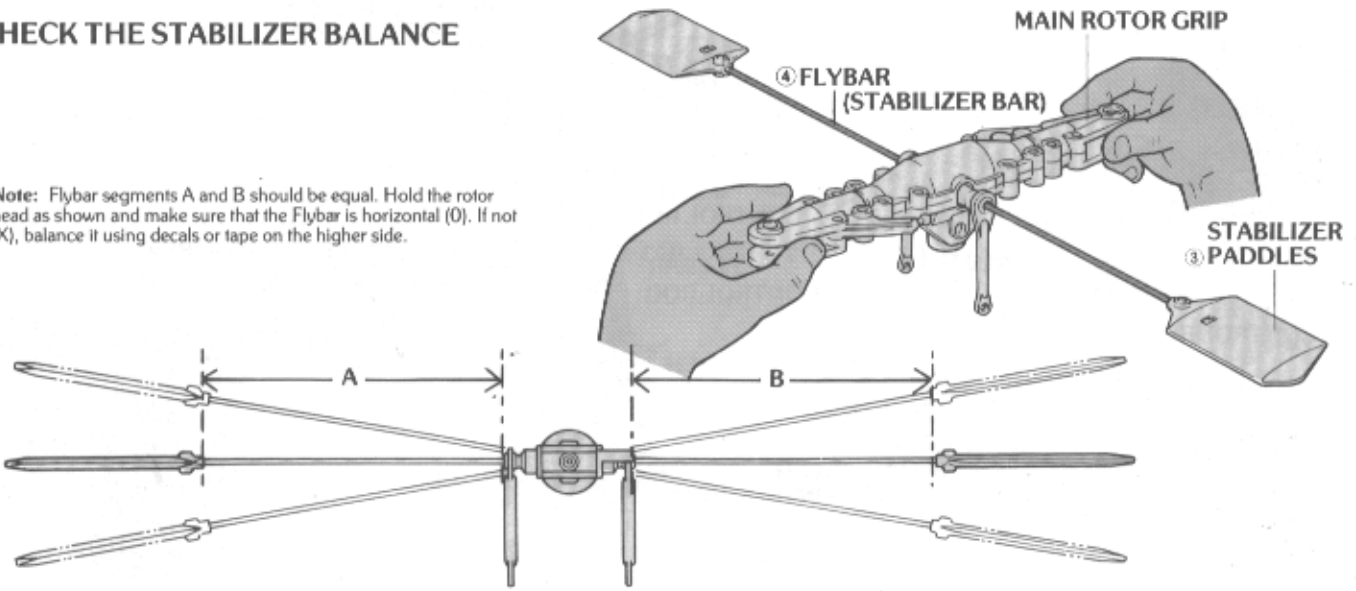
Step 2

★ Install screws on the other side, too.

14 CHECK THE STABILIZER BALANCE

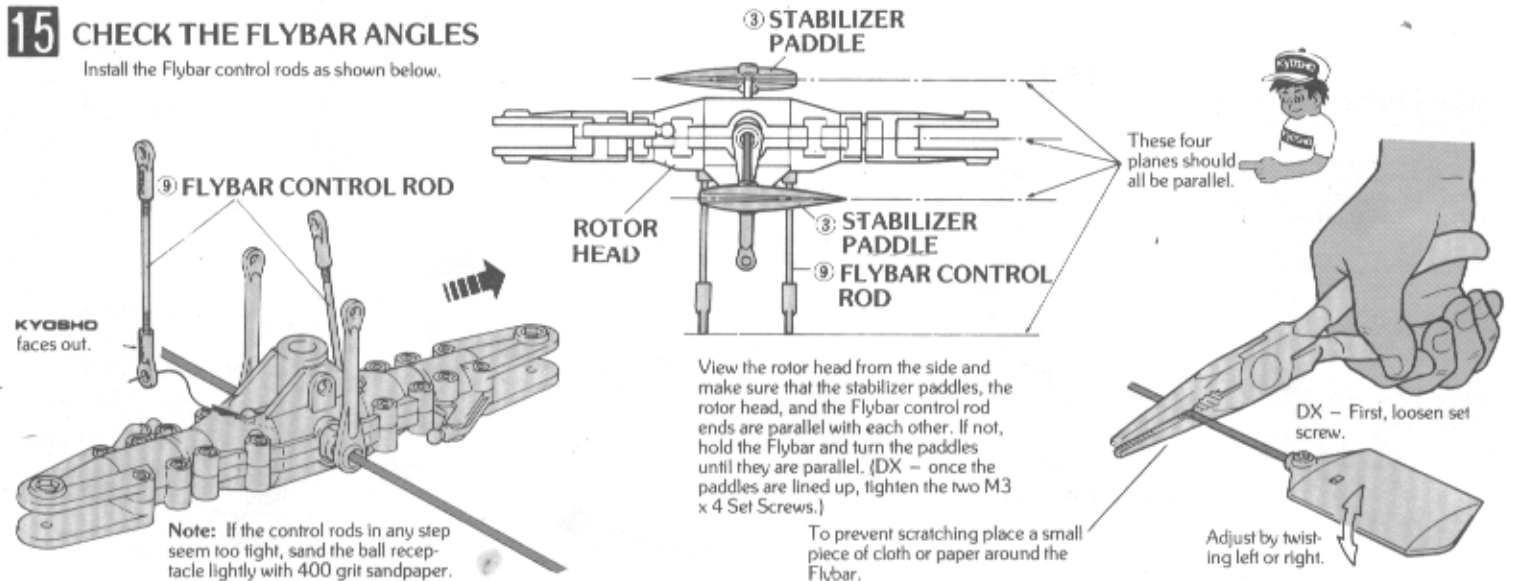
Note: Flybar segments A and B should be equal. Hold the rotor head as shown and make sure that the Flybar is horizontal (O). If not (X), balance it using decals or tape on the higher side.

- BAD X
- GOOD O
- BAD X



15 CHECK THE FLYBAR ANGLES

Install the Flybar control rods as shown below.

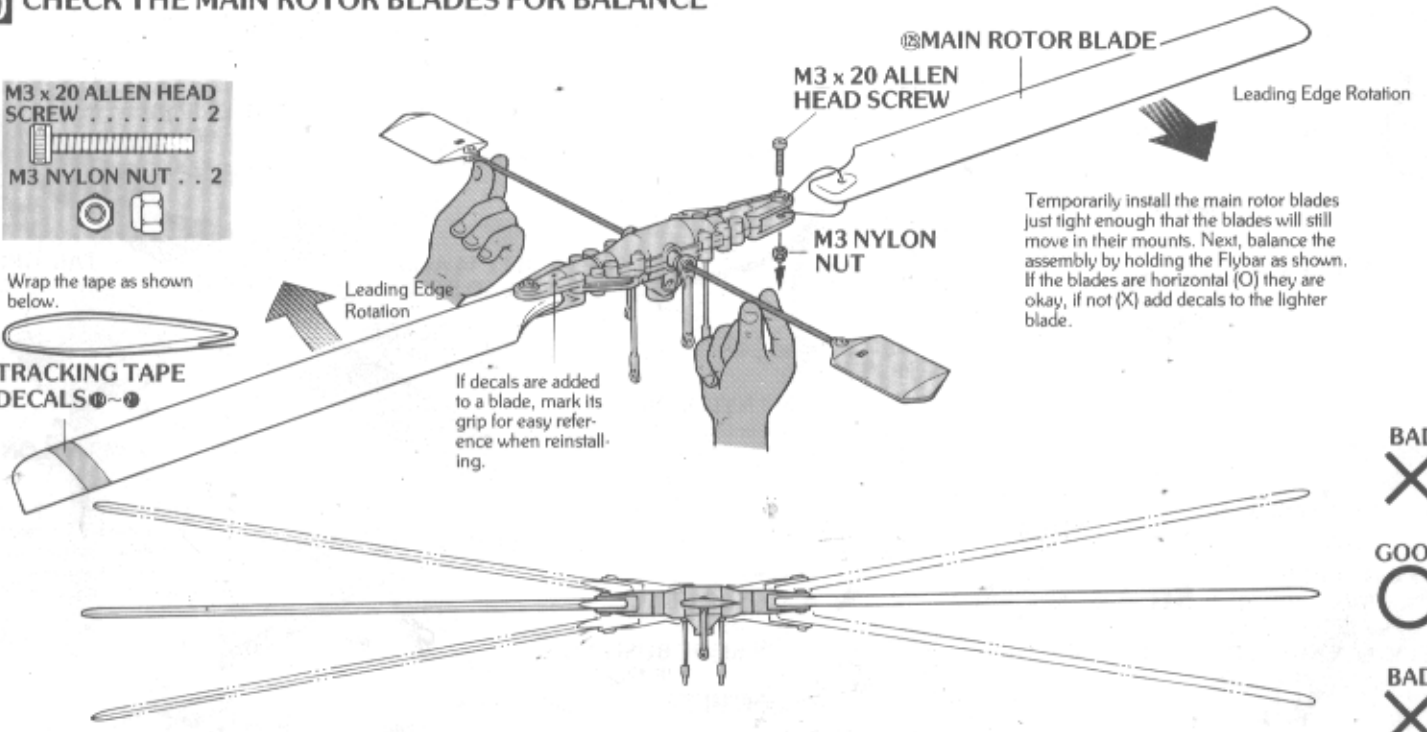


16 CHECK THE MAIN ROTOR BLADES FOR BALANCE

- M3 x 20 ALLEN HEAD SCREW 2
- M3 NYLON NUT 2

Wrap the tape as shown below.

TRACKING TAPE DECALS ①-②

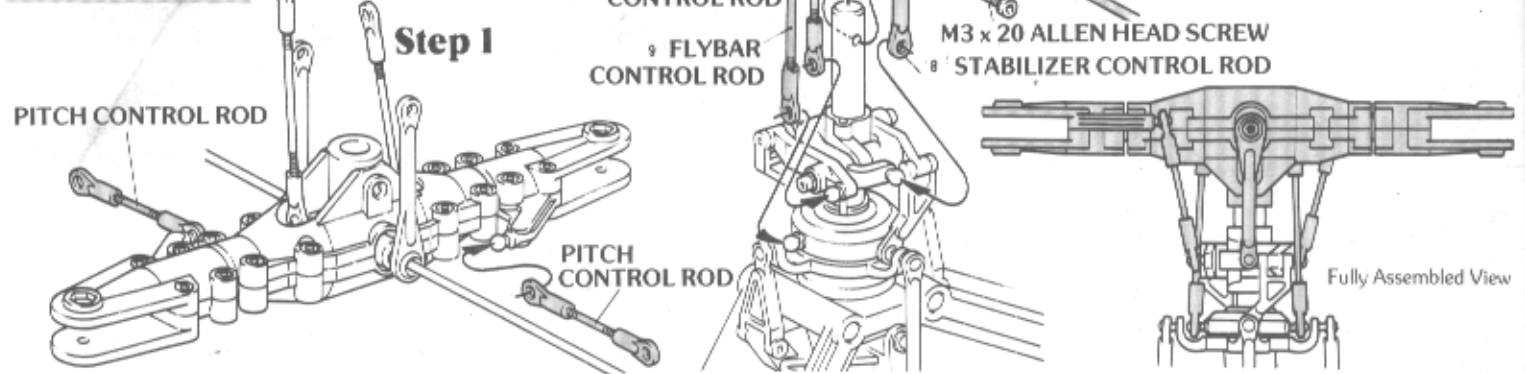


- BAD X
- GOOD O
- BAD X

17 ROTOR HEAD INSTALLATION

M3 x 20 ALLEN HEAD SCREW1

M3 NYLON NUT1



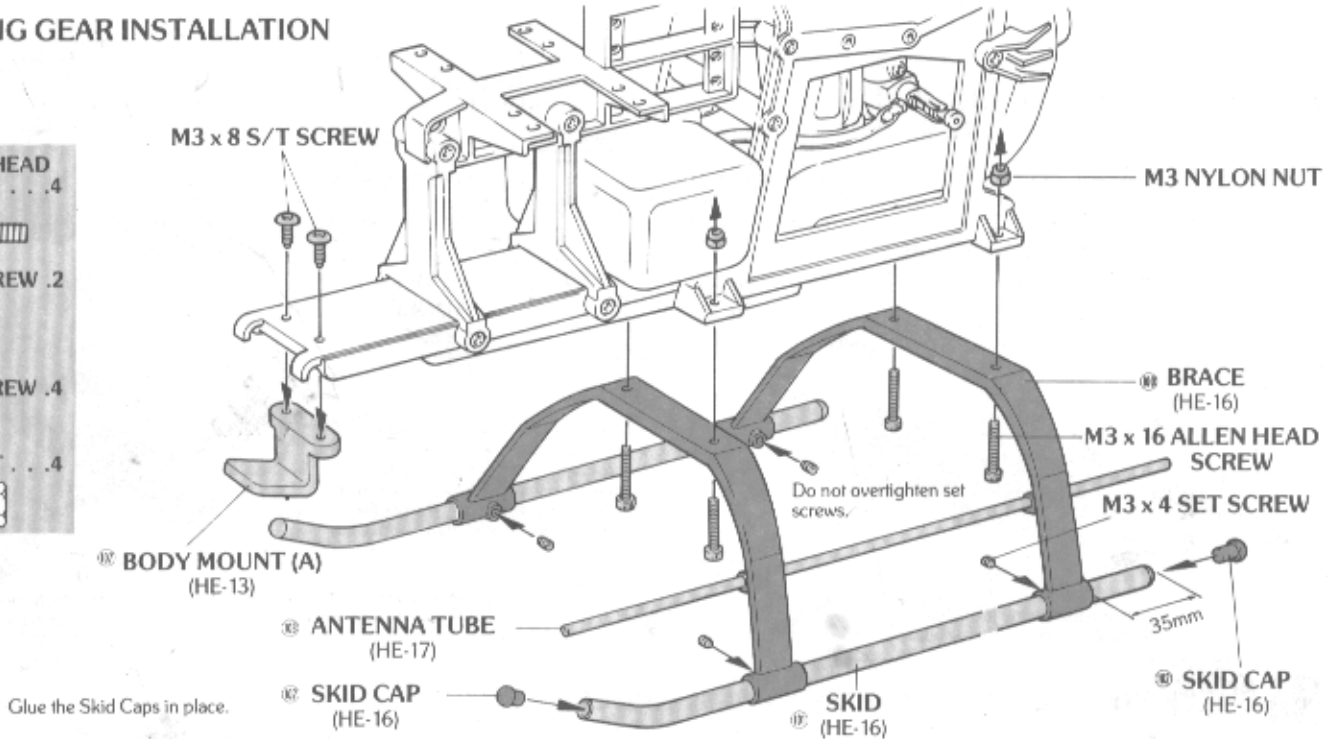
18 LANDING GEAR INSTALLATION

M3 x 16 ALLEN HEAD SCREW4

M3 x 8 S/T SCREW .2

M3 x 4 SET SCREW .4

M3 NYLON NUT4



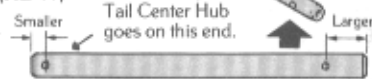
19 TAIL ROTOR ASSEMBLY

M3 x 14 THREADED ROD (HE-11)

Step 1

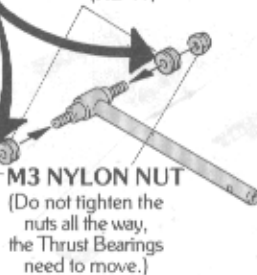
Use Allen Wrench to tighten.

TAIL CENTER HUB (HE-11)



Step 2

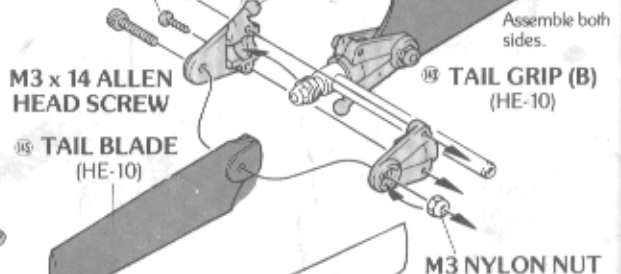
THRUST BEARING (HE-11)



M2 x 10 S/T SCREW

Step 3

TAIL GRIP (A) (HE-10)

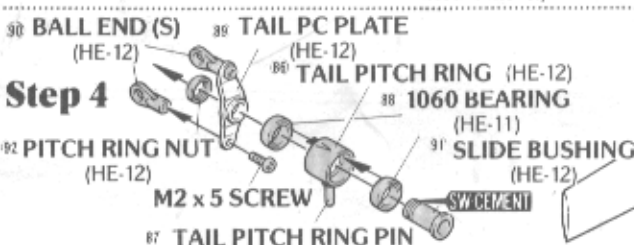


M2 x 5 SCREW2

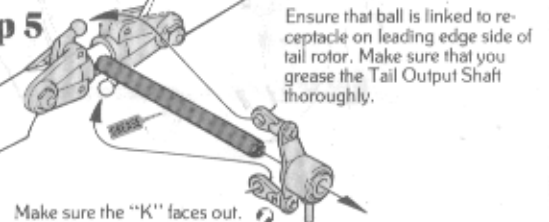
M2 x 10 S/T SCREW .4

M3 x 14 SCREW2

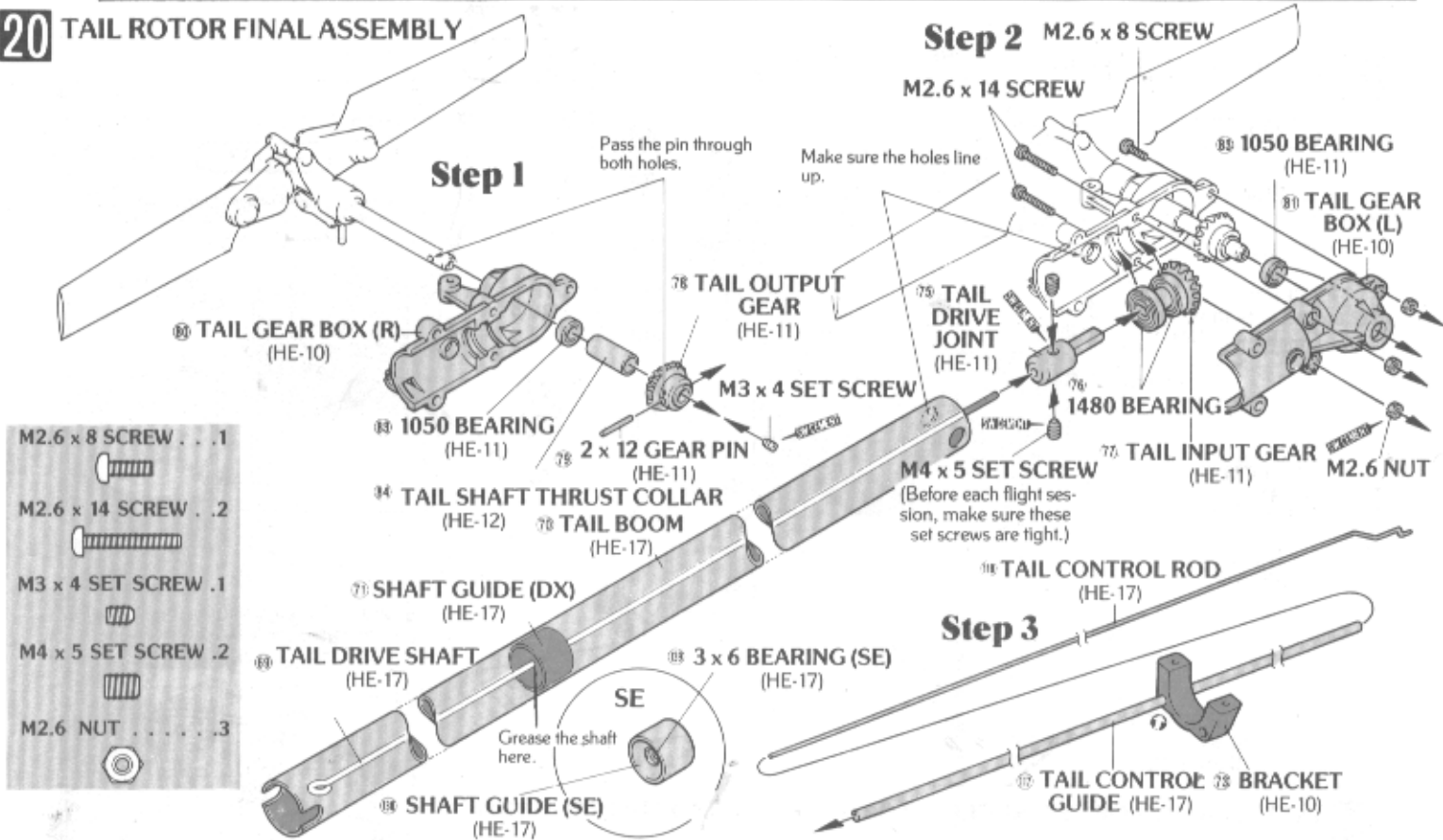
M3 NYLON NUT4



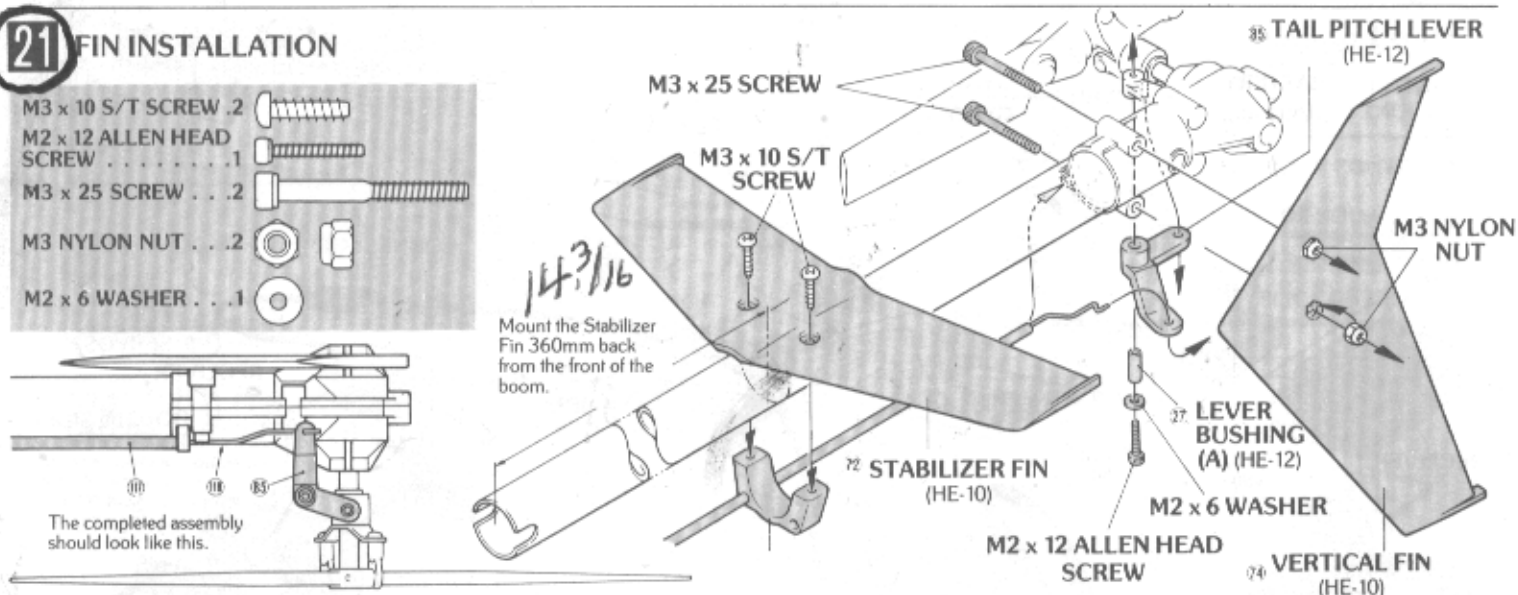
Step 5



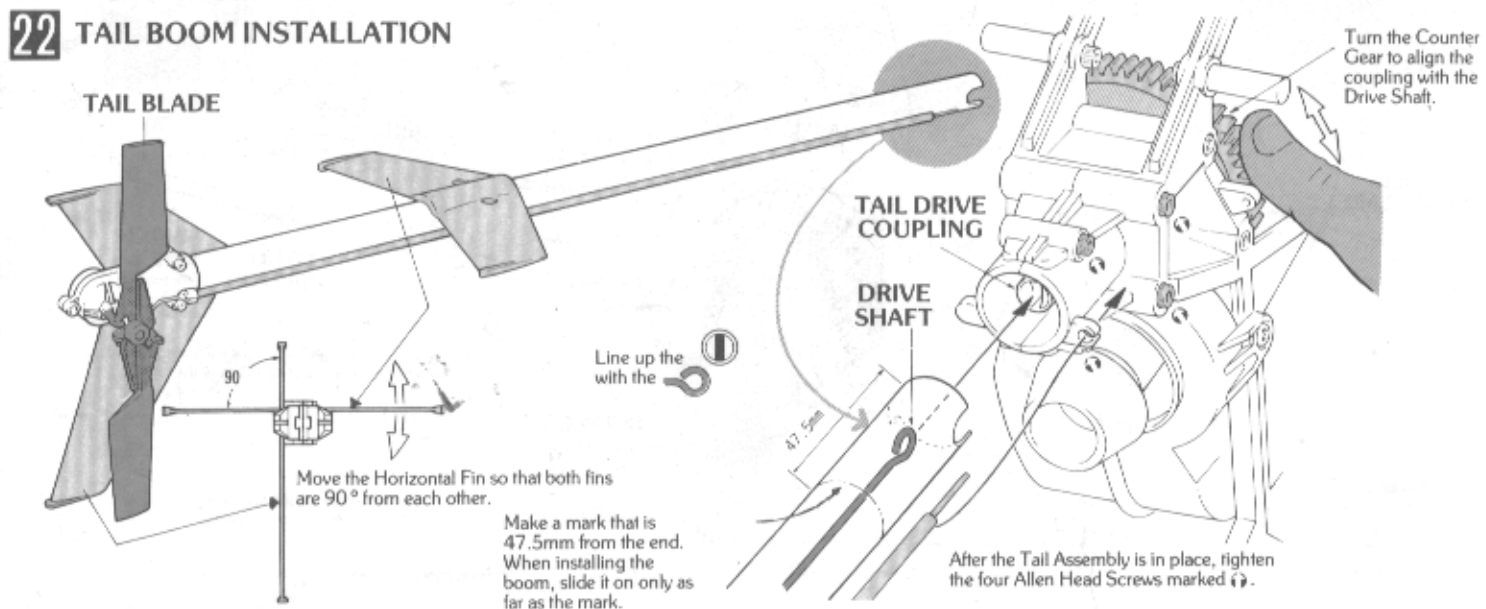
20 TAIL ROTOR FINAL ASSEMBLY



21 FIN INSTALLATION



22 TAIL BOOM INSTALLATION



23 SERVO INSTALLATION

5 SERVO

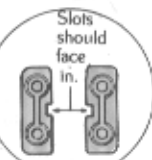
- 5 SERVO
M2.6 x 12 S/T SCREW (20)
- 4 SERVO
M2.6 x 12 S/T SCREW (16)

COLLECTIVE PITCH SERVO

THROTTLE SERVO

TAIL ROTOR SERVO (RUDDER)

FORE/AFT CYCLIC SERVO



96 SERVO MOUNTING PLATE

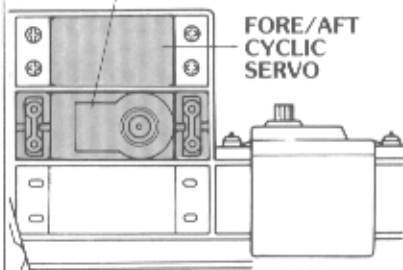
LEFT/RIGHT CYCLIC SERVO (AILERON)



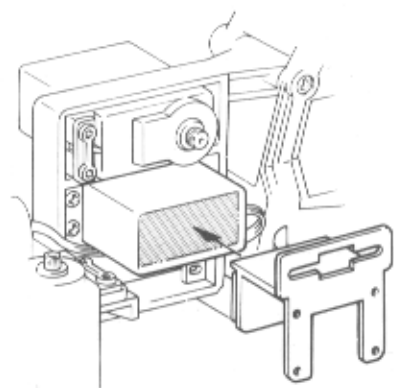
- Be sure to use the rubber grommets included with the radio system (the brass eyelets are not used).

4 SERVO

In case you use just 4 servos: One servo is used for both the pitch and engine throttle control. Mount in the middle position.



The switch mount is installed behind the pitch/engine servo with Double-Sided Tape as shown.



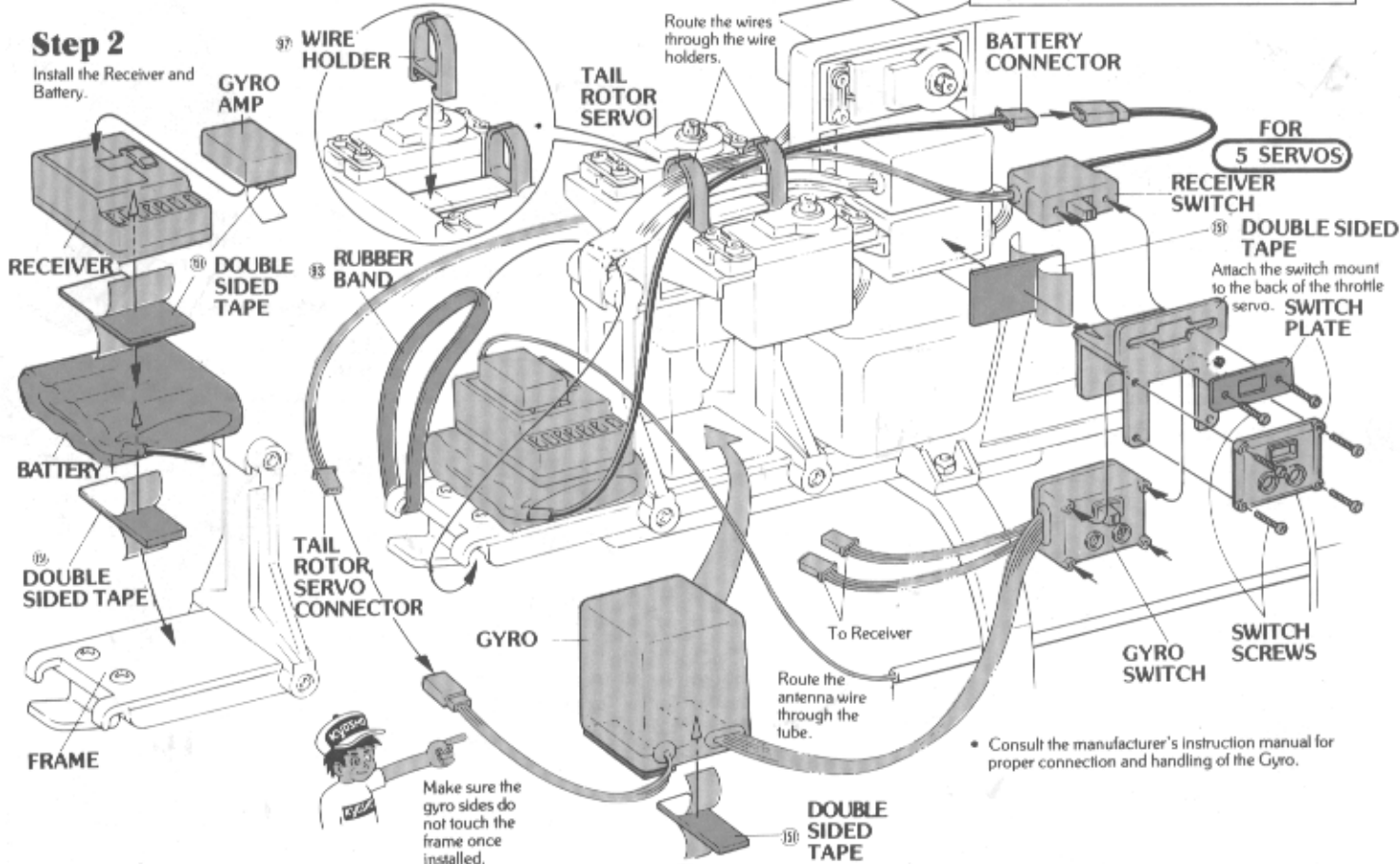
24 INSTALLATION OF THE RECEIVER/BATTERY/AND OPTIONAL GYRO

Step 1 Cut the double sided tape as indicated (use the ruler below).

SWITCH MOUNT	BATTERY	RECEIVER	GYRO	10
	GYRO AMP		GYRO	
30	40	40	40	10

Step 2

Install the Receiver and Battery.



Step 3

Mount the Gyro and the switches.

- Consult the manufacturer's instruction manual for proper connection and handling of the Gyro.

25 CYCLIC CONTROL ROD INSTALLATION

The following applies to steps 25-29.

Use a hole 10mm from center

This hole may have to be enlarged with an awl.

- Turn the radio on.
- With the trims centered and the servos in neutral position, the servo horns should be set to 90° (See below).

THROTTLE TRIM **FORE/AFT CYCLIC TRIM (ELEVATOR)**

TAIL ROTOR TRIM (RUDDER) **LEFT/RIGHT CYCLIC TRIM (AILERON)**

SERVO

90°

90°

Control Rods used in this step are contained in Bag HE-9.

Included with Servo

34 FORE/AFT CYCLIC CONTROL ROD

33 LEFT/RIGHT CYCLIC CONTROL ROD

10 BALL ENDS
The word "Kyosho" should face outwards.

SWASHPLATE ASSEMBLY

Should be parallel in all directions.

34 FORE/AFT CYCLIC CONTROL ROD

10 PITCH CONTROL ROD

71mm

35 LEFT/RIGHT CYCLIC CONTROL ROD

107mm

LEFT RIGHT

• Adjust the linkages so the swashplate is level in both side to side and front to back directions as shown.

26 THROTTLE AND PITCH CONTROL ROD INSTALLATION (4 SERVO OPERATION) (FOR 5 SERVO OPERATION SKIP TO STEP 27)

1) Pitch Control Linkage

CENTERED STICK

With the radio on, position the throttle stick in the center and the trim low before installing the control rod.

Trim at bottom

- Adjust the ball end so that the pitch lever and the servo center line is 90° to the control rod.

PITCH LEVER

10 PITCH CONTROL ROD

BALL END

90°

Use the holes below for the control rods.

Pitch Control Rod Hole

25°

10mm

10mm

SERVO CENTER LINE

THROTTLE CONTROL ROD HOLE

25°

2) Throttle Control Linkage

Slow

Fast

THROTTLE CONTROL LEVER

Clevis

Open

Closed

- Adjust the clevis so that the throttle control lever is all the way closed.

35 THROTTLE CONTROL ROD

Slow

Fast

Clevis

Open

Closed

(Note: Same length as the left/right cyclic control rod.)

Flying with 4 Servos

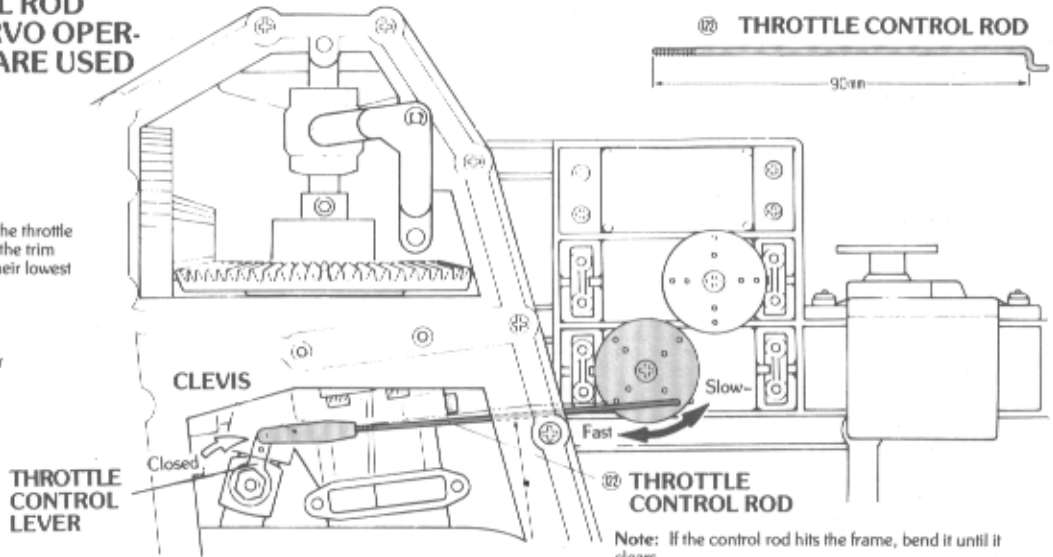
- Double check the pitch angle with control stick position (see page 16, collective pitch adjustment).
- The pitch trim and the throttle hold features cannot be used with the 4 servo set up.

27 THROTTLE CONTROL ROD INSTALLATION 5 SERVO OPERATION (IF 4 SERVOS ARE USED SKIP TO STEP 29)



Position the throttle stick and the trim lever to their lowest settings.

Adjust the Clevis so that the throttle control lever is all the way closed when the throttle stick is down.



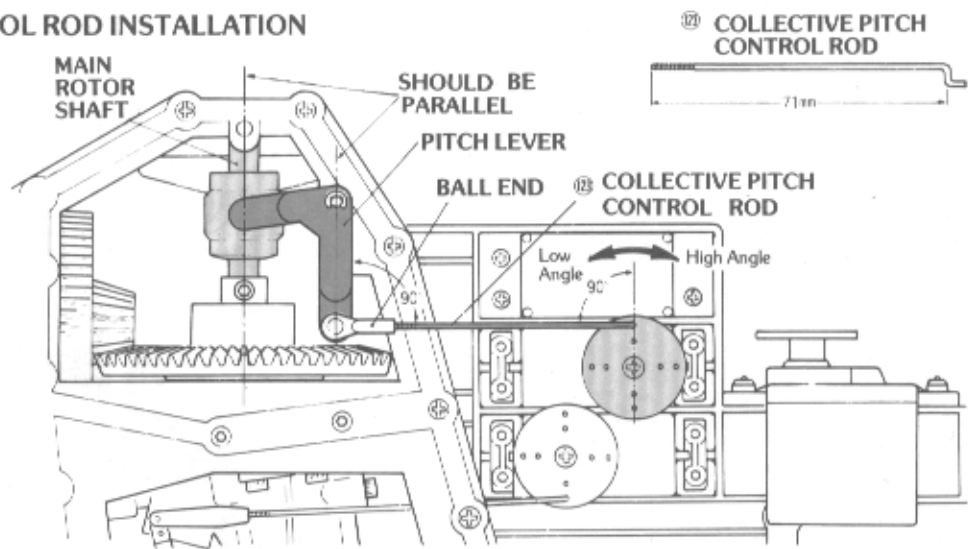
28 COLLECTIVE PITCH CONTROL ROD INSTALLATION (5 SERVO OPERATION)



Move the throttle stick and trim to the center position.

THROTTLE STICK

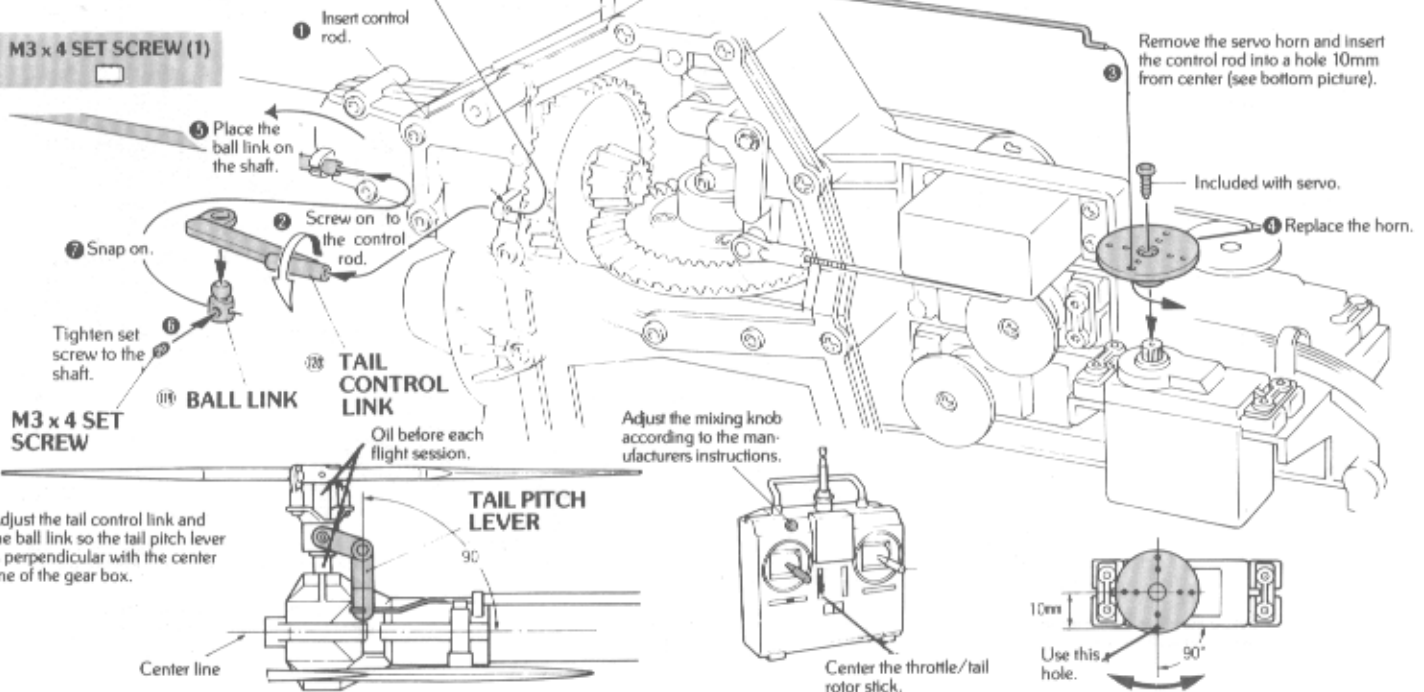
With the throttle in the middle position, adjust the ball end so that the main rotor shaft and the pitch lever are parallel.



29 TAIL ROTOR LINKAGE INSTALLATION

Assemble in order ①~⑦

M3 x 4 SET SCREW (1)



Adjust the tail control link and the ball link so that the tail pitch lever is perpendicular with the center line of the gear box.

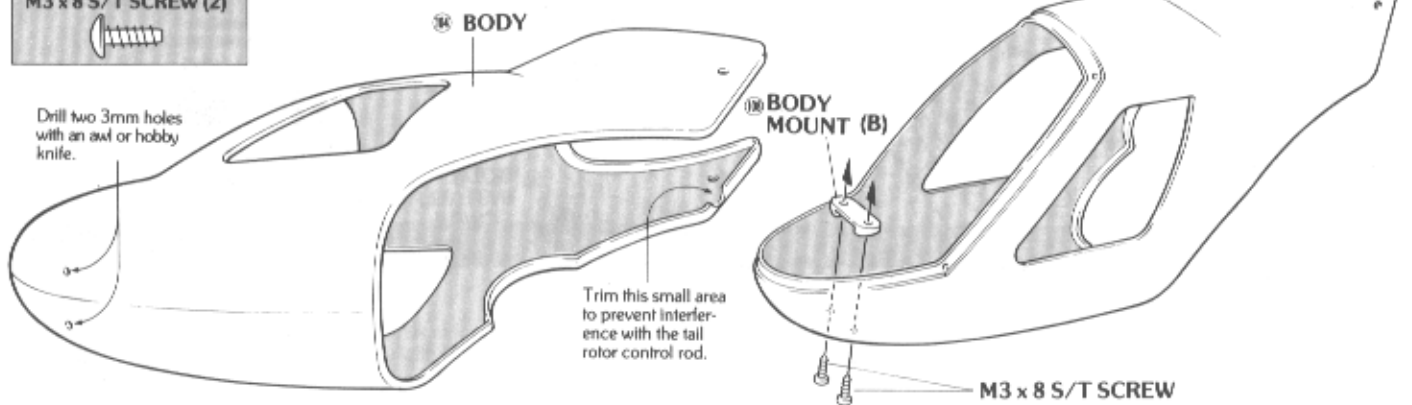
Center line

30 INSTALLATION OF THE BODY MOUNT

M3 x 8 S/T SCREW (2)



Drill two 3mm holes with an awl or hobby knife.



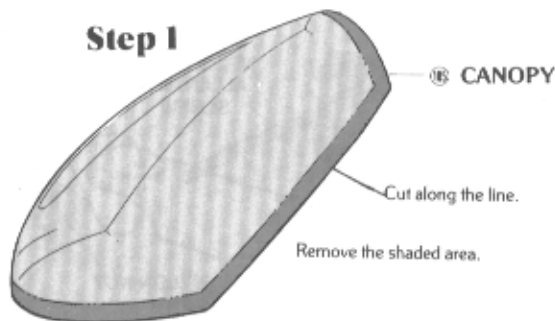
31 INSTALLATION OF THE CANOPY

Assemble in steps 1 to 3.

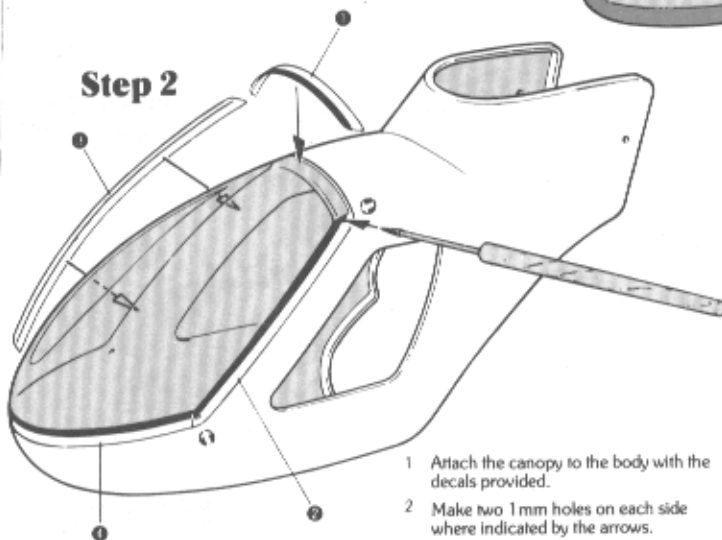
M2 x 5 S/T SCREW (4)



Step 1

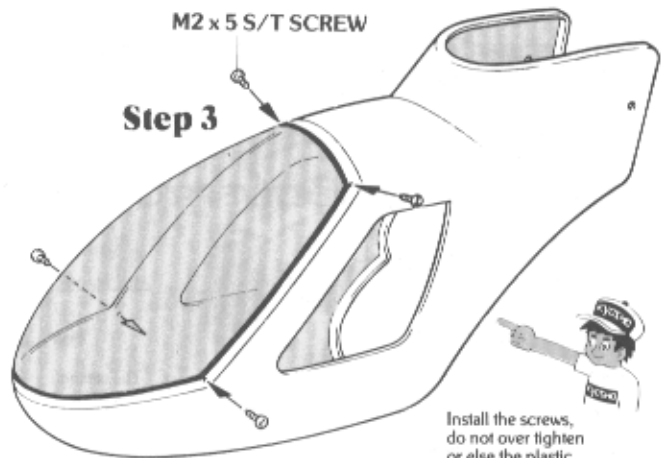


Step 2



- 1 Attach the canopy to the body with the decals provided.
- 2 Make two 1 mm holes on each side where indicated by the arrows.

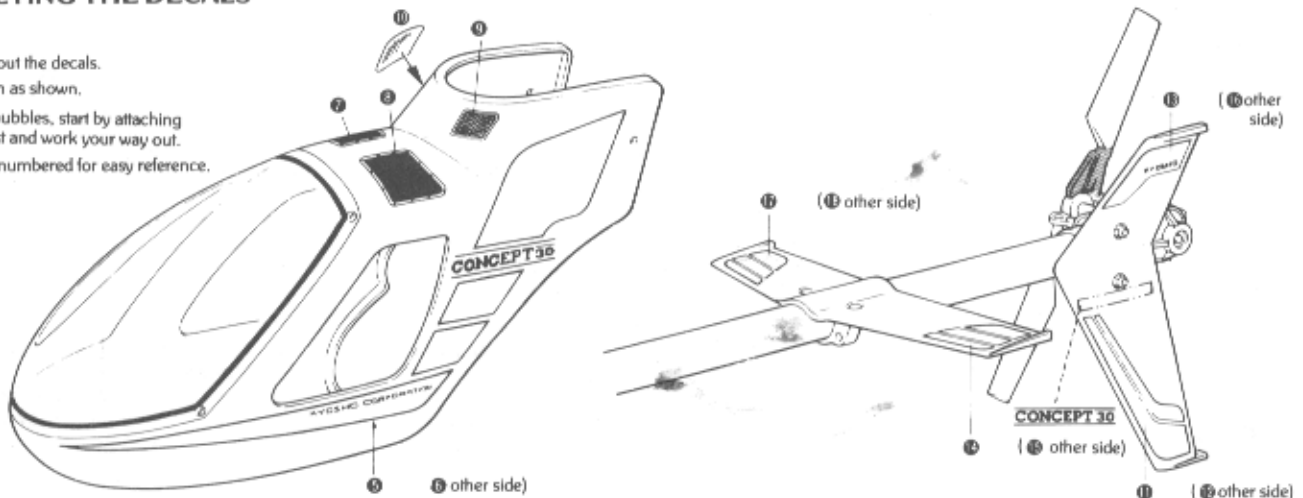
Step 3



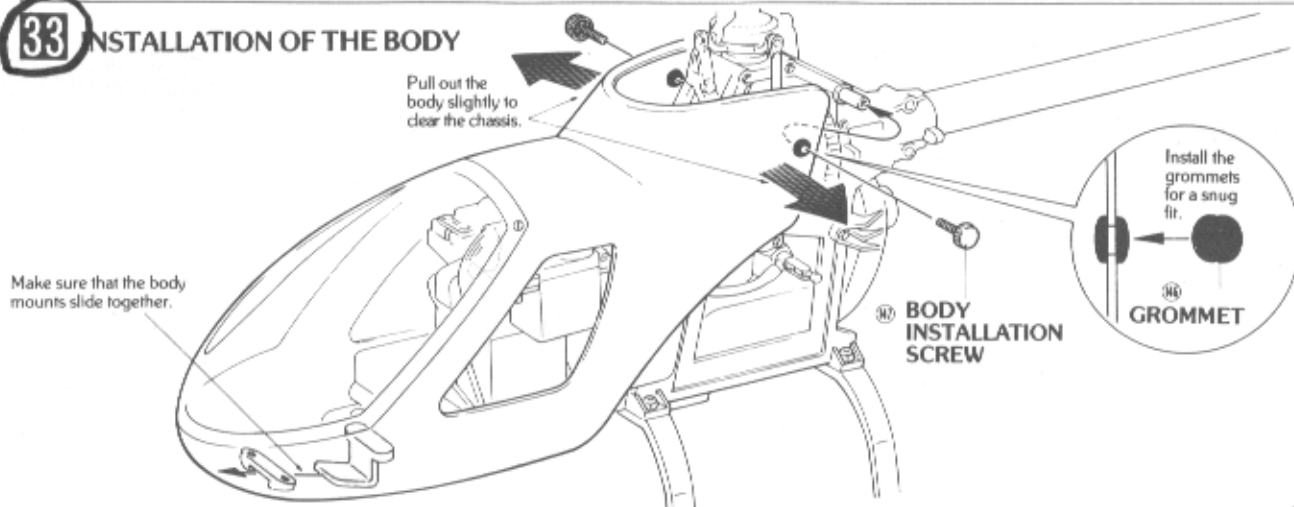
Install the screws, do not over tighten or else the plastic will strip out.

32 APPLYING THE DECALS

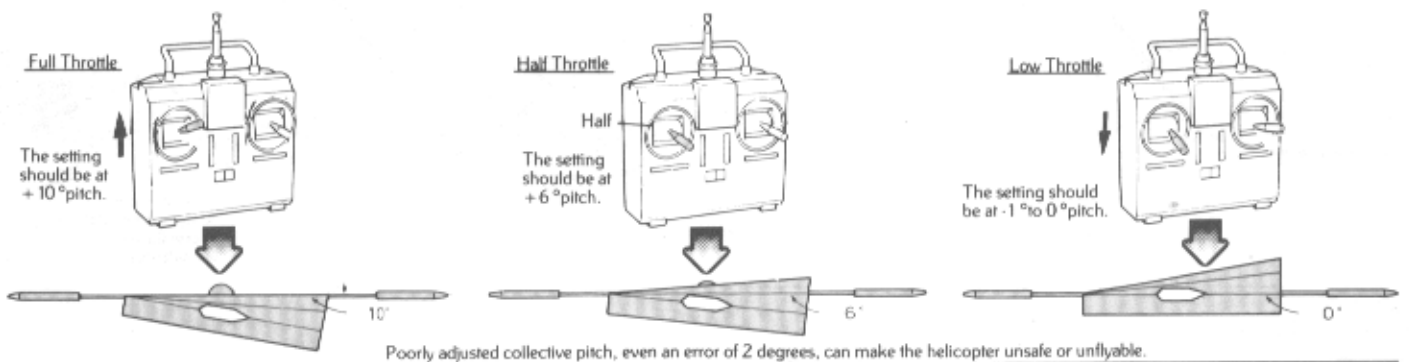
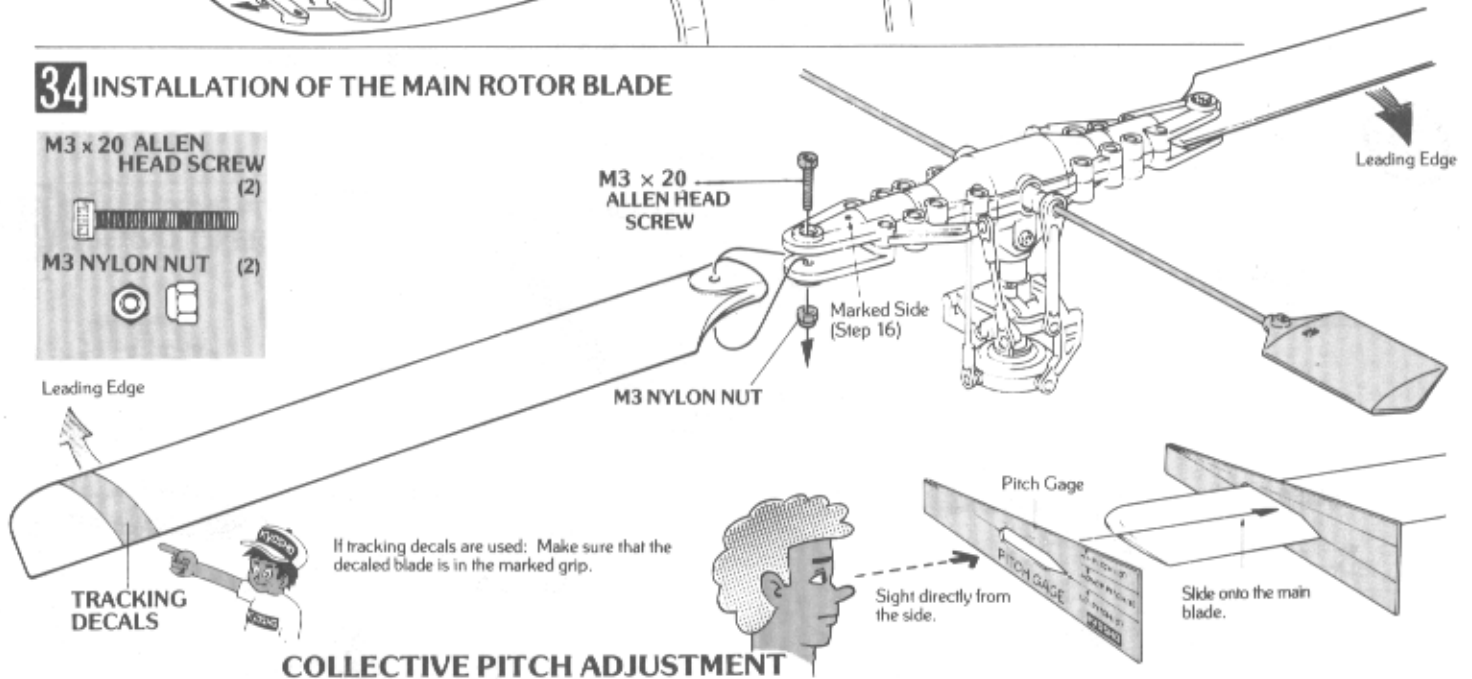
- Carefully cut out the decals.
- Place them on as shown.
- To avoid air bubbles, start by attaching the center first and work your way out.
- All decals are numbered for easy reference.



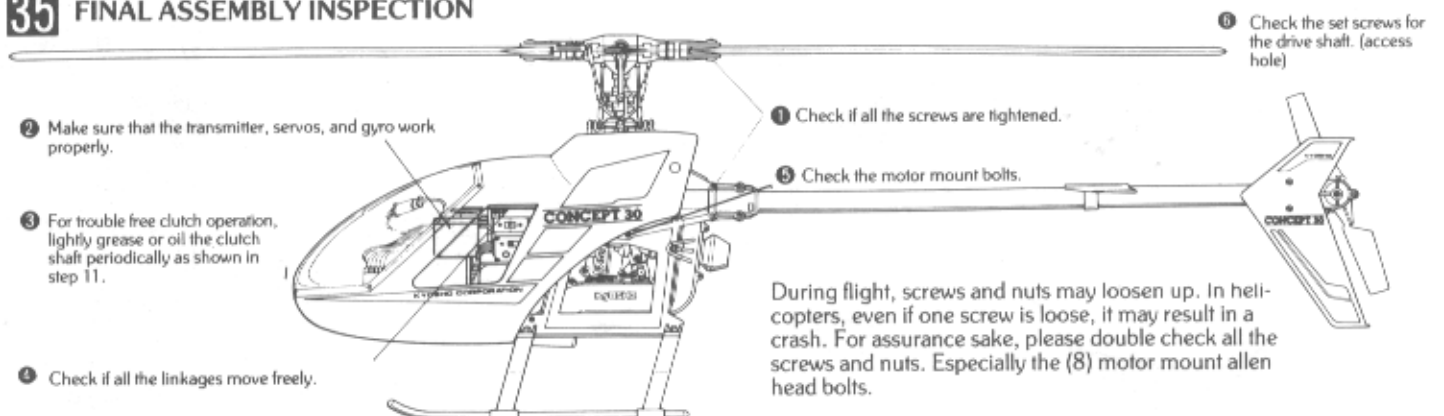
33 INSTALLATION OF THE BODY



34 INSTALLATION OF THE MAIN ROTOR BLADE



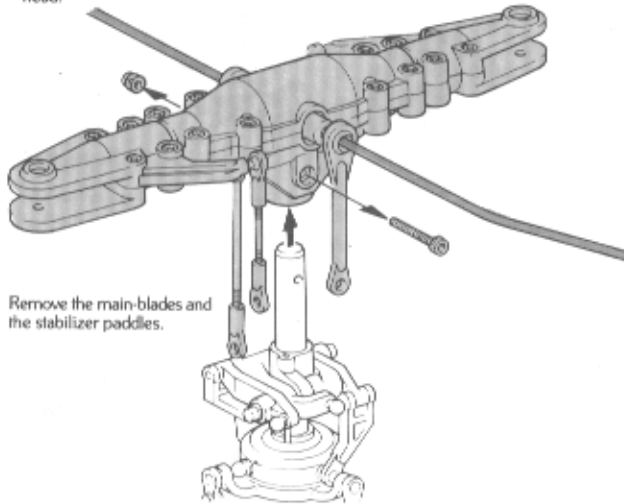
35 FINAL ASSEMBLY INSPECTION



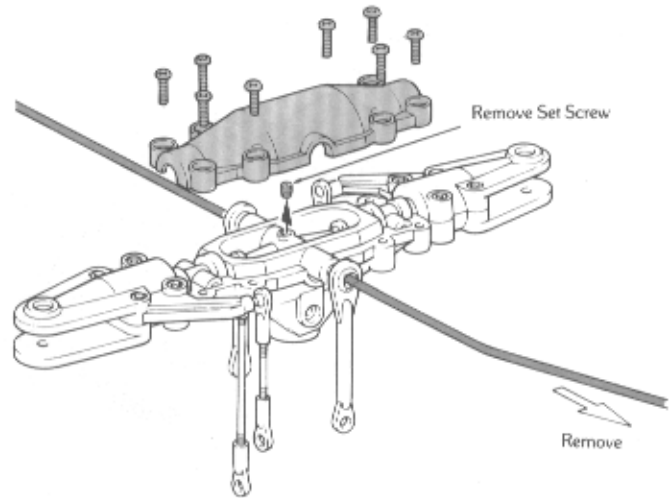
PARTS REPLACEMENT

REPLACEMENT OF THE STABILIZER BAR (FLYBAR)

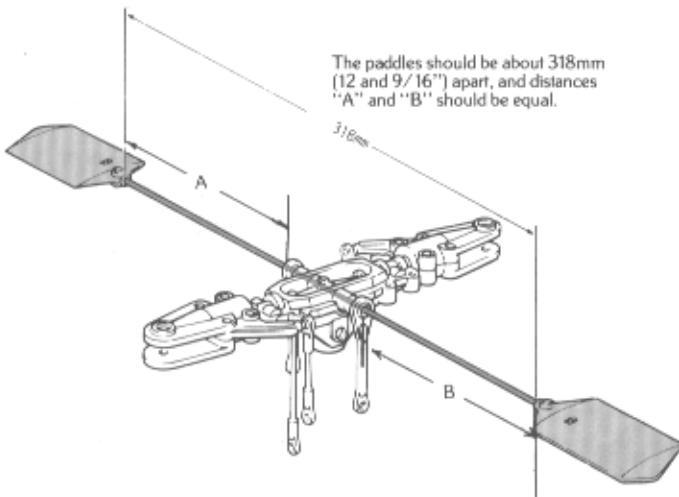
- 1 Disconnect the linkages and remove the rotor head.



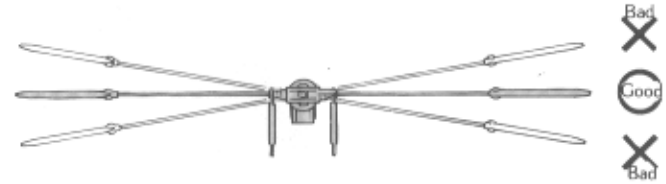
- 2 First remove the top cover and then the set screw. Next, pull the bar out.



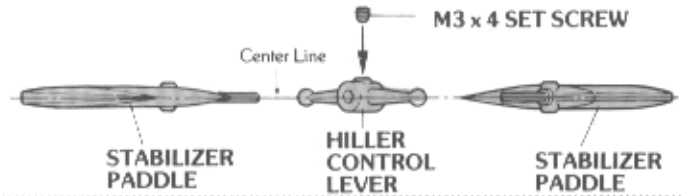
- 3 Insert the new stabilizer bar and reinstall the stabilizer paddles.



- 4 Slide the bar so that the head is balanced.

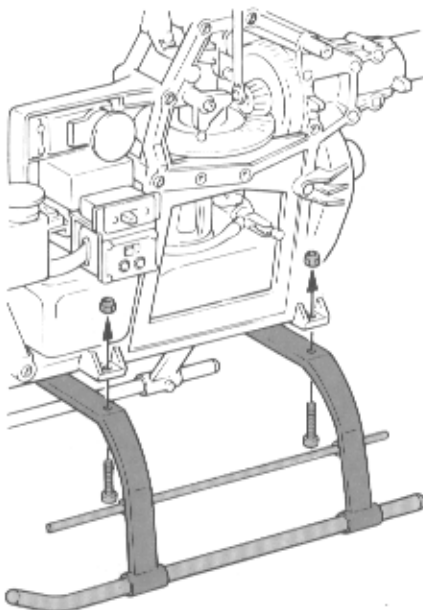


Tighten the Set Screw

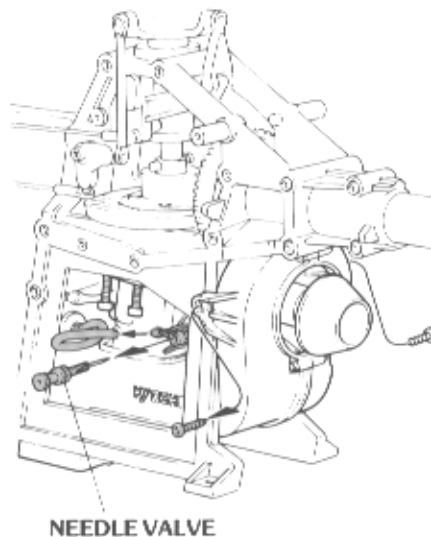


REMOVING THE ENGINE (INSTALL IN THE REVERSE ORDER)

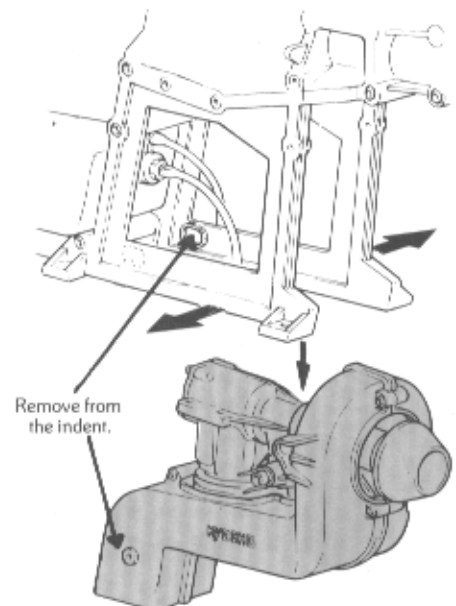
- 1 Remove the landing skids.



- 2 Next, remove the muffler, fuel line, linkage rod, and the needle valve. Then remove the engine mounting and shroud screws.

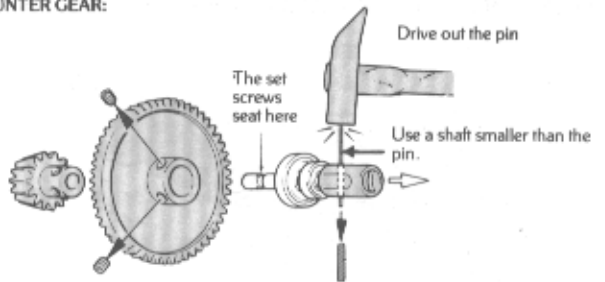
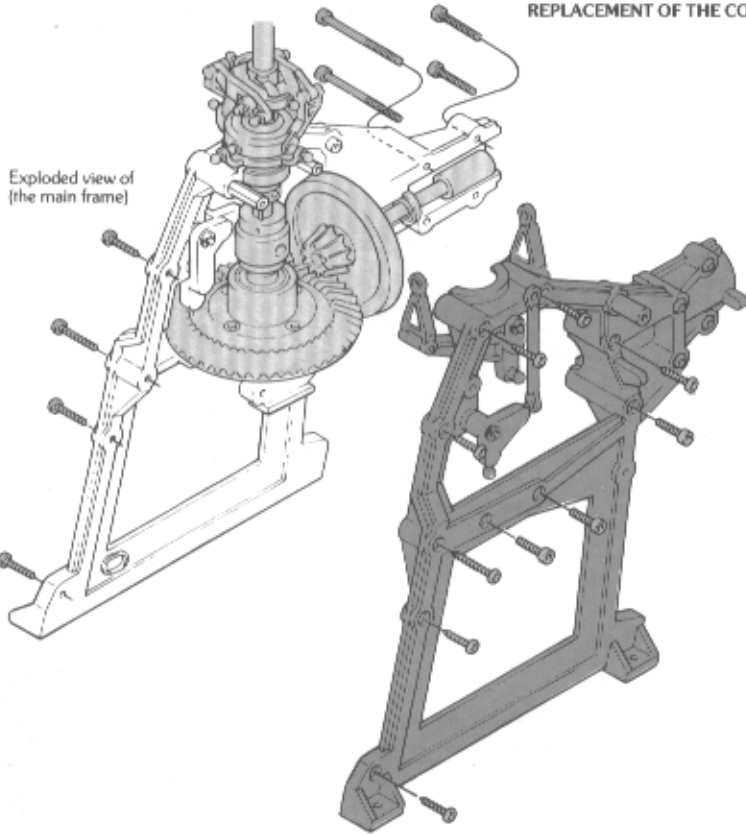


- 3 Spread the lower frame outward, lower the engine together with the fan shroud.

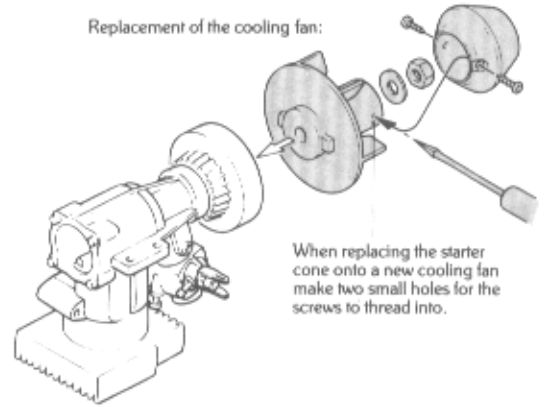


PARTS REPLACEMENT (CONT'D)

REPLACEMENT OF THE COUNTER GEAR:

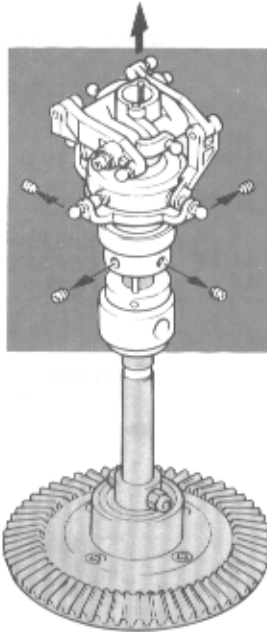


Replacement of the cooling fan:

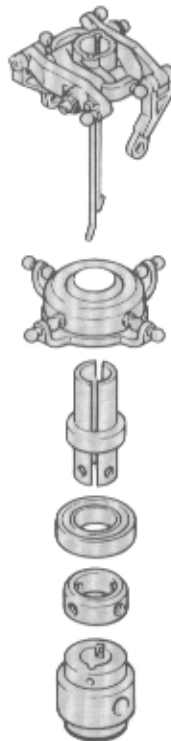


DISASSEMBLING THE SWASHPLATE

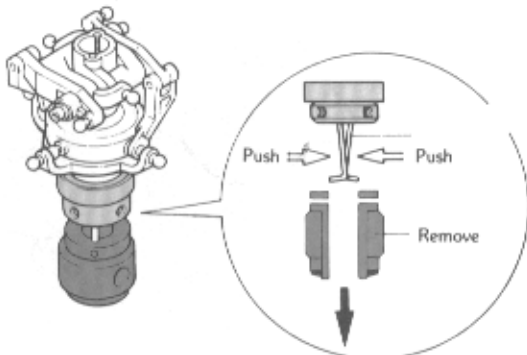
- 1 Remove the 4 set screws and pull the assembly off the mast.



Disassembled Parts

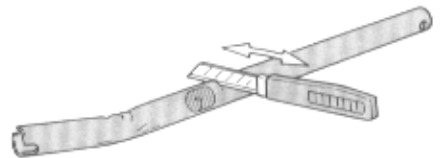


- 2 Push in the wire rods and remove the parts as shown.

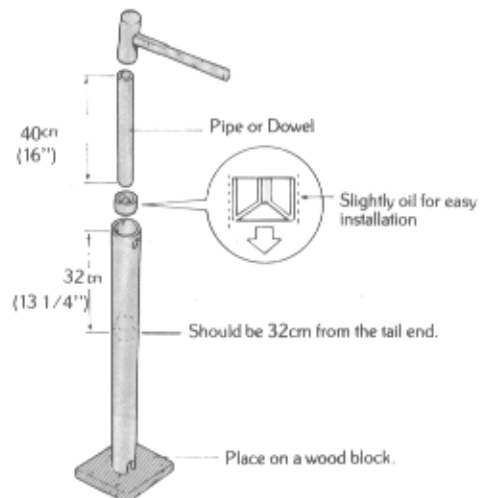


REPLACEMENT OF THE DRIVE SHAFT GUIDE.

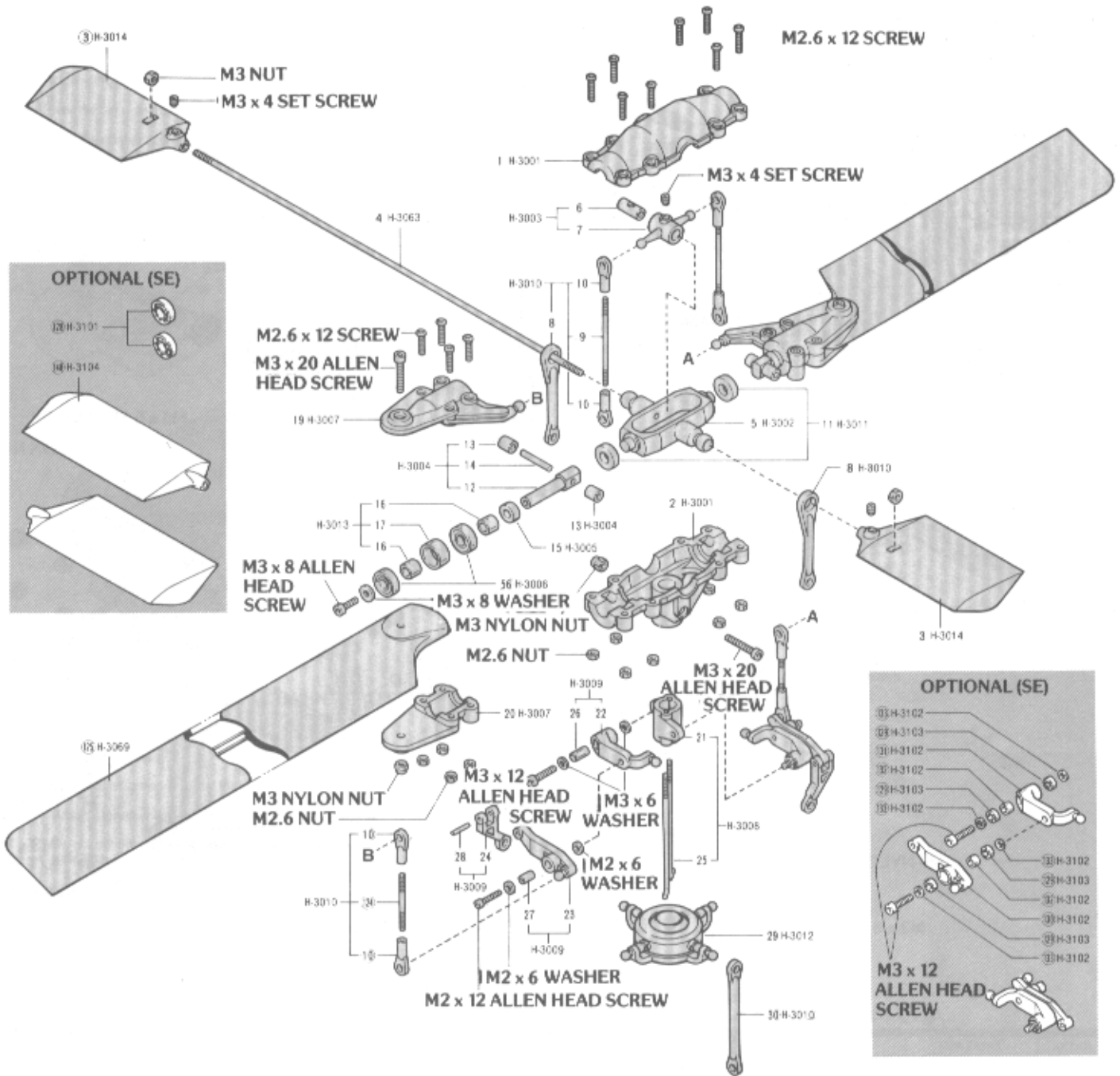
- 1 Cut the boom on both sides of the guide and then carefully tap it out with a hammer and dowel rod (or pipe).



- 2 To insert, drive the guide in its proper direction using a short pipe or dowel.



EXPLODED PARTS DIAGRAM



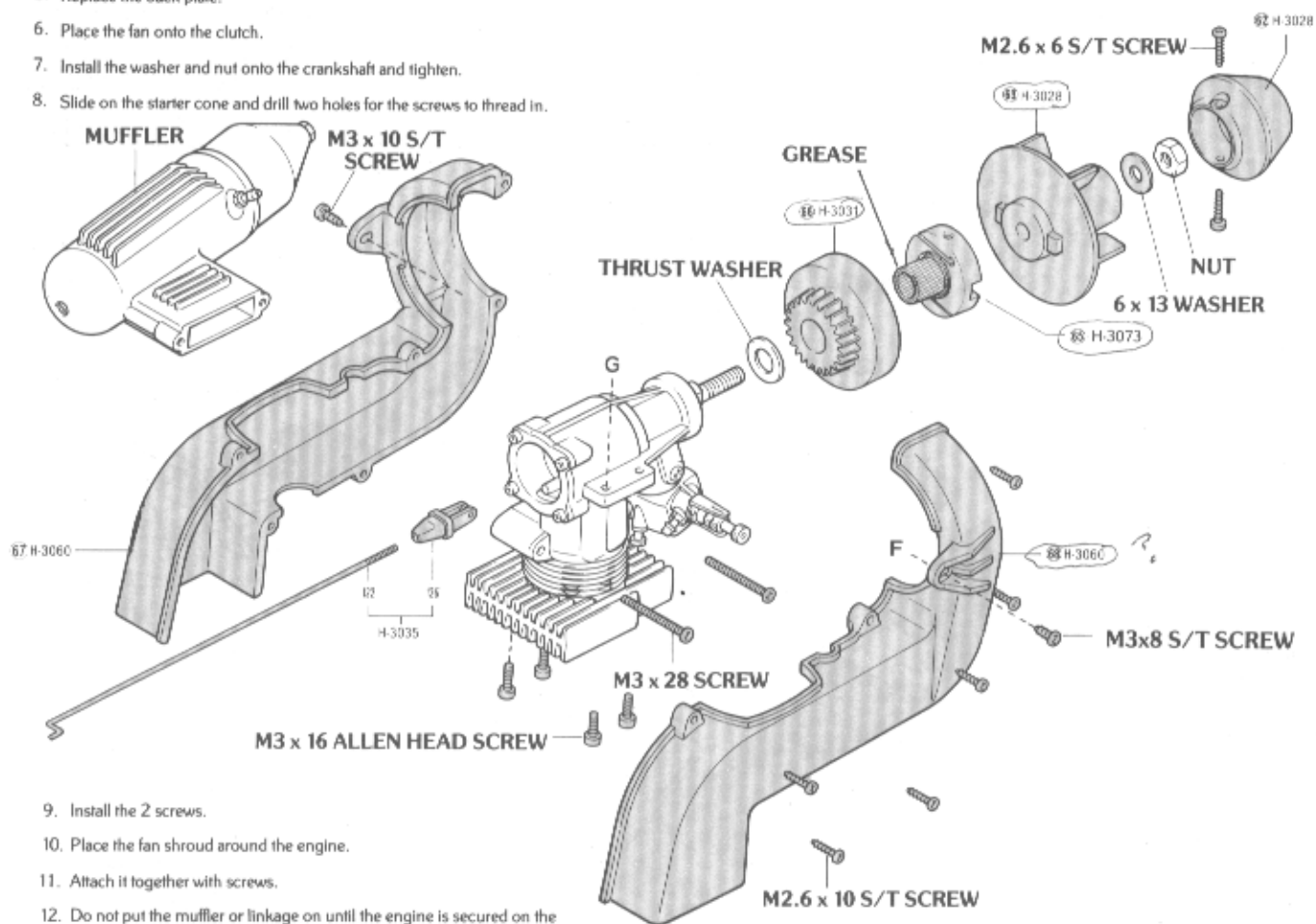
STOCK#	PARTS PACK	DESCRIPTION	CONTAINS	RETAIL
KYOE1010	H-3001	Main Rotor Head	1 2 x 1	8.95
KYOE1020	H-3002	Stabilizer See-Saw	1 x 1	7.95
KYOE1030	H-3003	Hiller Control Lever Set	1 7 x 1	7.95
KYOE1040	H-3004	Feathering Shaft Set	12 14 x 2 13 x 4	14.95
KYOE1050	H-3005	Flapping Damper	13 x 10	6.95
KYOE1060	H-3006	Blade Grip Bearing	14 x 2	12.95
KYOE1070	H-3007	Main Rotor Grip	15 18 x 2	8.95
KYOE1080	H-3008	Mixing Base	16 x 1 19 x 2	7.95
KYOE1090	H-3009	Mixing Lever Set (DX)	17 19 24 26 27 28 x 2	11.95
KYOE1100	H-3010	Linkage Set (A)	18 x 1 (B) 19 18 x 2 (C) x 2 (D) x 2	11.95
KYOE1110	H-3011	Sub. Seesaw Bushing (DX)	19 x 2	4.95

STOCK #	PARTS PACK	DESCRIPTION	CONTAINS	RETAIL
KYOE1120	H-3012	Swash Plate Assembly	20 x 1	34.95
KYOE1130	H-3013	Grip Spacer Set	17 x 2 14 x 4	8.95
KYOE1140	H-3014	Stabilizer Paddles	3 x 2	19.95
KYOE1150	H-3063	Stabilizer Bar	4 x 2	9.95
KYOE1160	H-3069	Main Rotor Blade	15 x 2	35.95
KYOE1300	H-3101	Stab. Seesaw Bearing (SE)	14 x 2	13.95
KYOE1310	H-3102	Mixing Lever Set (SE)	14 18 19 x 2 14 x 4 14 x 6	15.95
KYOE1320	H-3103	Mixing Lever Bearing (SE)	19 x 4	24.95
KYOE1330	H-3104	Stabilizer Paddle (SE)	18 x 2	12.95

EXPLODED PARTS DIAGRAM

ENGINE INSTALLATION:

1. Remove the engines back plate.
2. Put the thrust washer and drive gear onto the crankshaft.
3. Grease the bearing surface of the clutch liberally. (For trouble free operation, periodically grease the clutch where shown.)
4. Carefully hold the crankshaft from turning and screw on the clutch.
5. Replace the back plate.
6. Place the fan onto the clutch.
7. Install the washer and nut onto the crankshaft and tighten.
8. Slide on the starter cone and drill two holes for the screws to thread in.

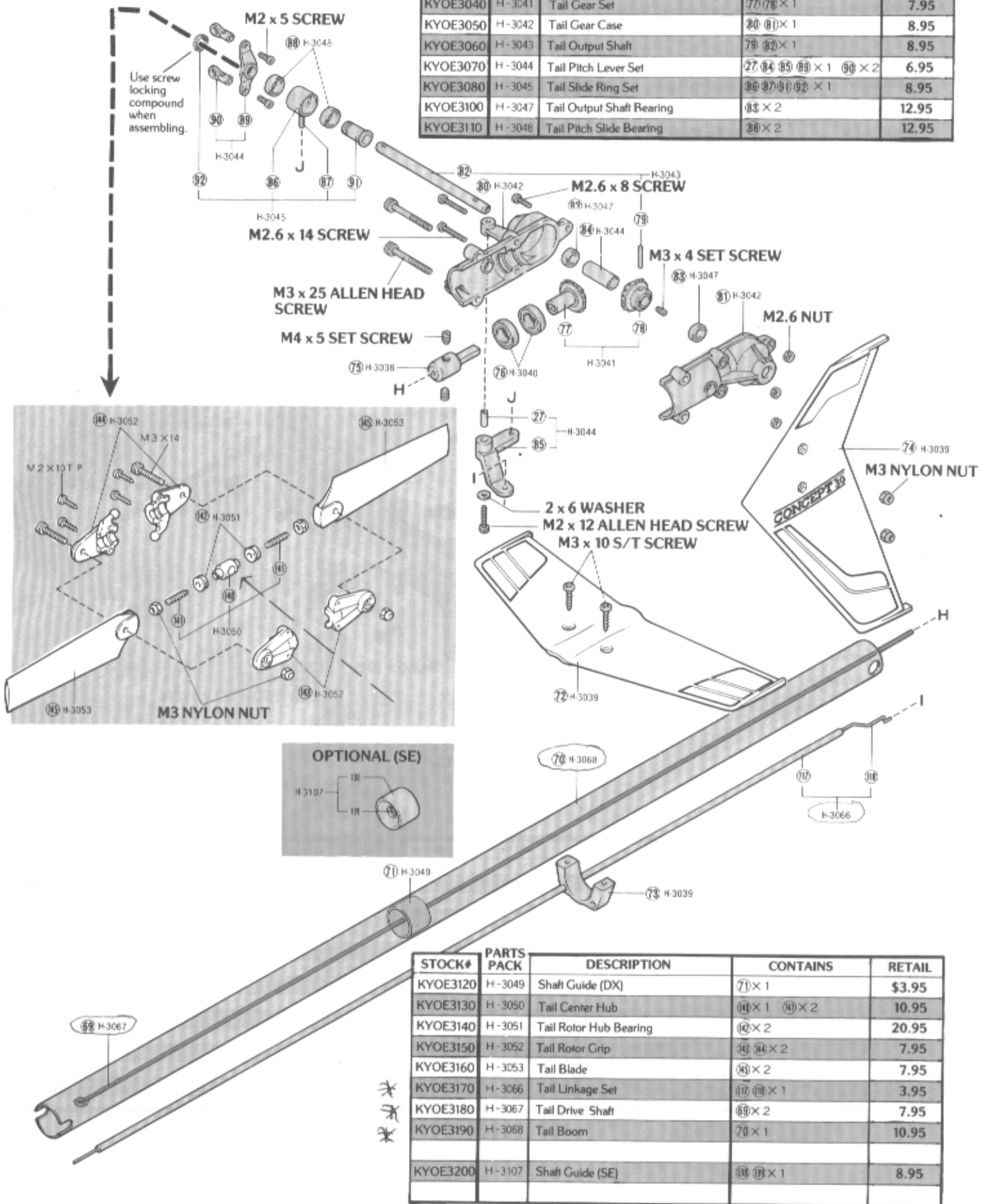


9. Install the 2 screws.
10. Place the fan shroud around the engine.
11. Attach it together with screws.
12. Do not put the muffler or linkage on until the engine is secured on the helicopter.

STOCK#	PARTS PACK	DESCRIPTION	CONTAINS	RETAIL	STOCK#	PARTS PACK	DESCRIPTION	CONTAINS	RETAIL
KYOE2010	H-3015	Main Mast	38 X 1	11.95	KYOE2155	H-3073	One Piece Clutch	85 X 1	\$34.95
KYOE2020	H-3016	Main Mast Bearing	48 49 X 1	15.95	KYOE2170	H-3031	Drive Gear	66 X 1	11.95
KYOE2030	H-3017	Pinch Rod Guide	38 X 1	6.95	KYOE2180	H-3032	Elevator Lever Set	33 33 X 1 31 36 X 2	7.95
KYOE2040	H-3018	Pinch Slider Set (DX)	42 43 44 45 X 1	12.95	KYOE2190	H-3033	Aileron, Pitch Lever Set	33 35 37 38 X 1	7.95
KYOE2050	H-3019	Main Gear	47 X 1	7.95	KYOE2200	H-3034	Secondary Shaft Bearing	18 18 X 1	12.95
KYOE2060	H-3020	One-Way Shaft	45	7.95	KYOE2210	H-3035	Linkage Set (B)	34 35 37 39 X 1 18 X 3	7.95
KYO32070	H-3021	One-Way Housing	48	33.95	KYOE2220	H-3036	Mast Stopper	41 X 1	6.95
KYOE2080	H-3022	Engine Mount	53 X 1	15.95	KYOE2230	H-3037	Rudder Linkage Rod	41 48 49 X 1	7.95
KYOE2090	H-3023	Bevel Pinion Gear	53 X 1	18.95	KYOE2240	H-3060	Fan Shroud	51 68 X 1	8.95
KYOE2100	H-3024	Counter Gear	54 X 1	7.95	KYOE2250	H-3061	Main Frame	51 52 X 1	25.95
KYOE2110	H-3025	Secondary Shaft	55 X 1	7.95					
KYOE2120	H-3026	Tail Drive Coupling	57 58 X 1	5.95					
KYOE2130	H-3027	Threaded Inserts	61 X 1 60 X 3	5.95	KYOE2260	H-3105	Pinch Slider Set (SE)	69 71 72 X 1	20.95
KYOE2140	H-3028	Starter Cone Set	62 63 X 1	11.95	KYOE2270	H-3106	Pinch Slider Bearing (SE)	70 X 2	12.95

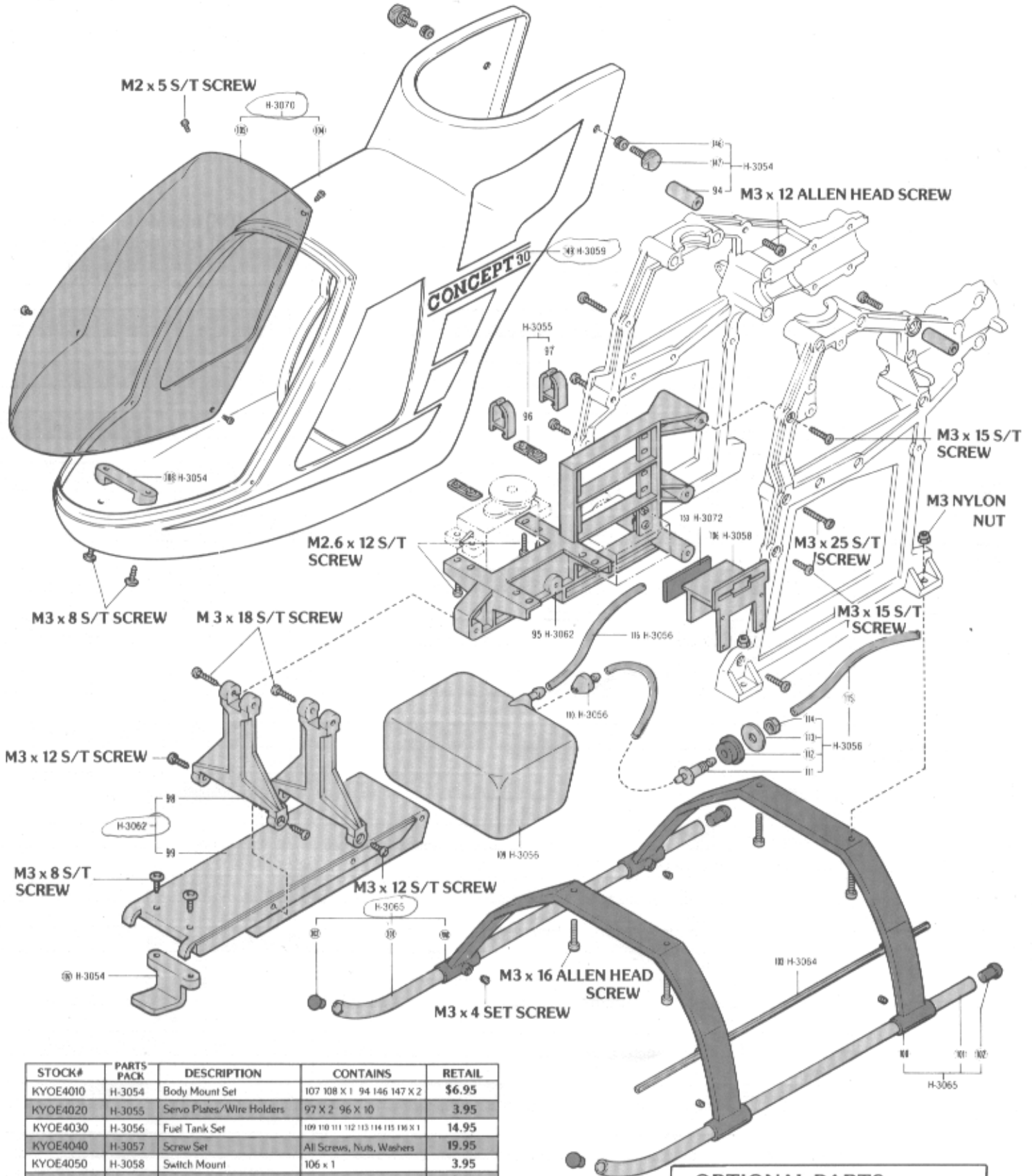
EXPLODED PARTS DIAGRAM

STOCK#	PARTS PACK	DESCRIPTION	CONTAINS	RETAIL
KYOE3010	H-3038	Tail Drive Joint	75 × 1	\$7.95
KYOE3020	H-3039	Tail Wing Set	72 73 74 × 1	8.95
KYOE3030	H-3040	Tail Input Gear Bearing	76 × 2	12.95
KYOE3040	H-3041	Tail Gear Set	77 78 × 1	7.95
KYOE3050	H-3042	Tail Gear Case	80 81 × 1	8.95
KYOE3060	H-3043	Tail Output Shaft	79 82 × 1	8.95
KYOE3070	H-3044	Tail Pitch Lever Set	27 84 85 89 × 1 90 × 2	6.95
KYOE3080	H-3045	Tail Slide Ring Set	86 87 91 92 × 1	8.95
KYOE3100	H-3047	Tail Output Shaft Bearing	83 × 2	12.95
KYOE3110	H-3048	Tail Pitch Slide Bearing	88 × 2	12.95



STOCK#	PARTS PACK	DESCRIPTION	CONTAINS	RETAIL
KYOE3120	H-3049	Shaft Guide (DX)	71 × 1	\$3.95
KYOE3130	H-3050	Tail Center Hub	84 × 1 85 × 2	10.95
KYOE3140	H-3051	Tail Rotor Hub Bearing	86 × 2	20.95
KYOE3150	H-3052	Tail Rotor Grip	88 89 × 2	7.95
KYOE3160	H-3053	Tail Blade	90 × 2	7.95
KYOE3170	H-3066	Tail Linkage Set	107 108 × 1	3.95
KYOE3180	H-3067	Tail Drive Shaft	89 × 2	7.95
KYOE3190	H-3068	Tail Boom	70 × 1	10.95
KYOE3200	H-3107	Shaft Guide (SE)	93 98 × 1	8.95

EXPLODED PARTS DIAGRAM



STOCK#	PARTS PACK	DESCRIPTION	CONTAINS	RETAIL
KYOE4010	H-3054	Body Mount Set	107 108 X 1 94 146 147 X 2	\$6.95
KYOE4020	H-3055	Servo Plates/Wire Holders	97 X 2 96 X 10	3.95
KYOE4030	H-3056	Fuel Tank Set	109 110 111 112 113 114 115 116 X 1	14.95
KYOE4040	H-3057	Screw Set	All Screws, Nuts, Washers	19.95
KYOE4050	H-3058	Switch Mount	106 x 1	3.95
KYOE4060	H-3059	Decals	149 x 1	9.95
KYOE4070	H-3062	Front Frame Set	95 99 x 1 98 x 2	20.95
KYOE4080	H-3064	Antenna Tube	103 x 5	3.95
KYOE4090	H-3065	Skid Set	98 99 x 2 100 x 4	20.95
KYOE4100	H-3070	Body Set	108 109 x 1	31.95
KYOE4115	H-3072	Double Sided Tape	100 x 1	2.60

OPTIONAL PARTS

STOCK#	PARTS PACK	DESCRIPTION	CONTAINS	RETAIL
KYOE5010	H-3201	Flapping Hinge Bearing	Replaces 113	\$25.95
KYOE5020	H-3202	Colored Tail Boom (Black)	1 Tail Boom	15.95
KYOE5025	H-3205	Blade Case	1 Case	11.95
KYOE5030	H-3206	2 Blade Sets & 1 Case	4 Blades & 1 Case	69.95