

AIR-KILL 90

BEFORE START, PLEASE CAREFULLY READ THE EXPLANATIONS

INSTRUCTION
MANUAL



90 cubic inch displacement 2-cycle

120 cubic inch displacement 4-cycle

Radio required : 4 channels, 5 heavy-duty servos

Specification

Wing Span	63 in / 1600mm
Wing Area	32dm ²
Flying Weight	2650g
Fuselage Length	46 in / 1160mm

Warning! This model is not a toy.

It is designed for maximum performance. Please seek advice if one is not familiar with this kind of engine powered precision model. Operating this model without prior preparation may cause injuries. Remember, safety is the most important thing. Always keep this instruction manual at hand for quick reference.

AIR-KILL-90

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BEFORE YOU BEGIN

- 1 Read through the manual before you begin, so you will have an overall idea of what to do.
- 2 Check all parts. If you find any defective or missing parts contact your local dealer.
- 3 Symbols used throughout this instruction manual comprise of the following :-



Apply epoxy glue.



Apply instant glue
(C.A. glue, super glue.)



Assemble left and right
sides the same way.



Ensure smooth non-binding
movement while assembling.



Peel off shaded portion
covering film.



Cut off shaded portion.



Drill holes with the specified
diameter (here : 3mm)



Must be purchased separately!



Pay close attention here!

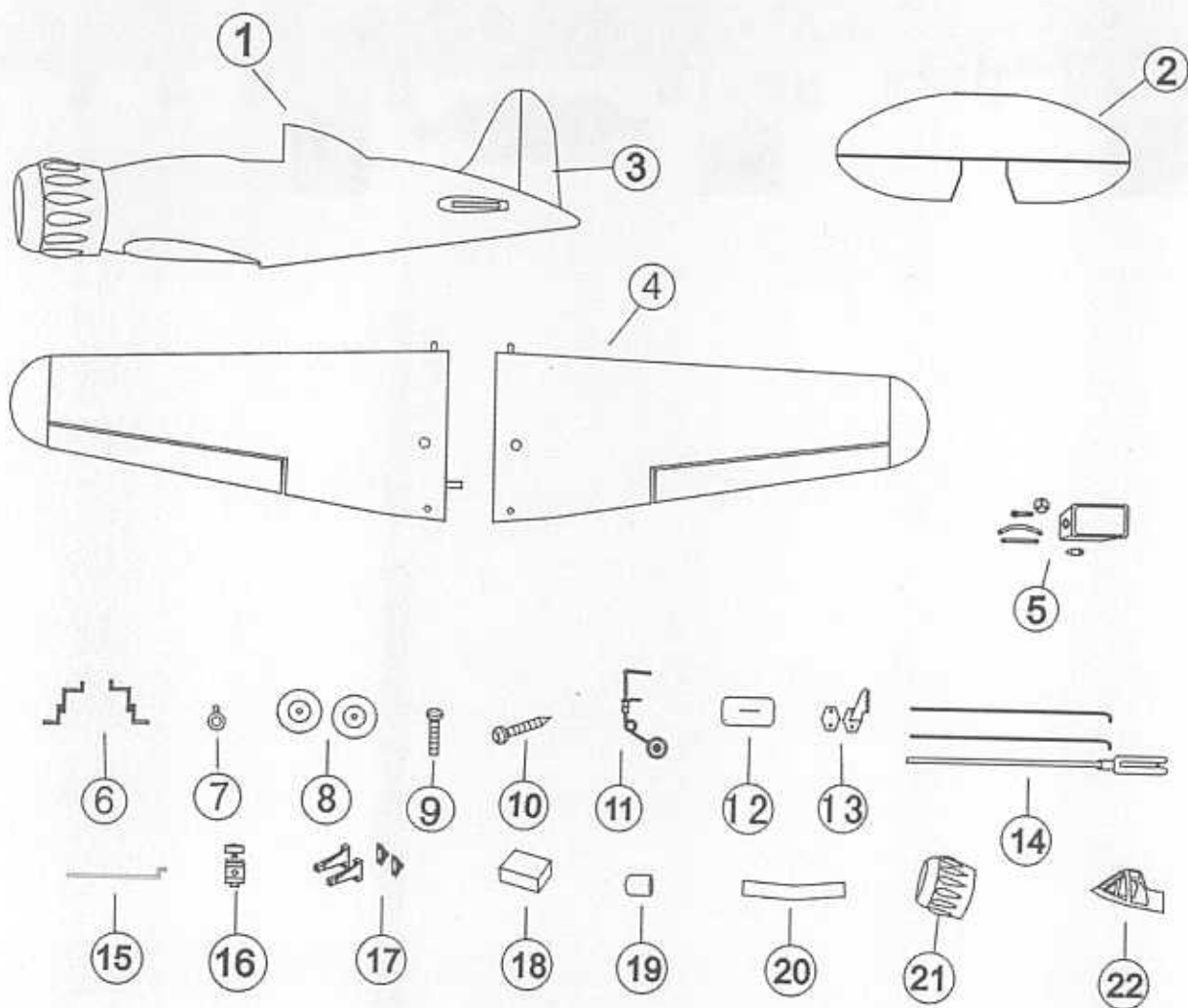


Warning!



Pierce the shaded portion
covering film.

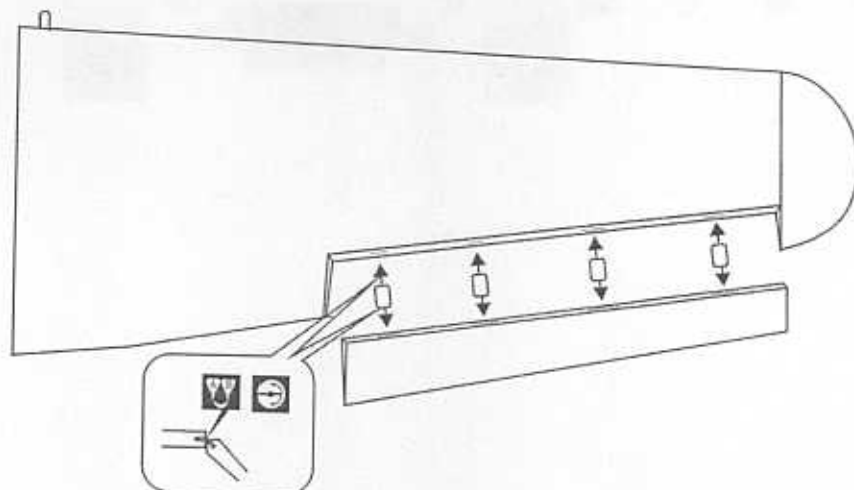
Do not overlook this symbol!



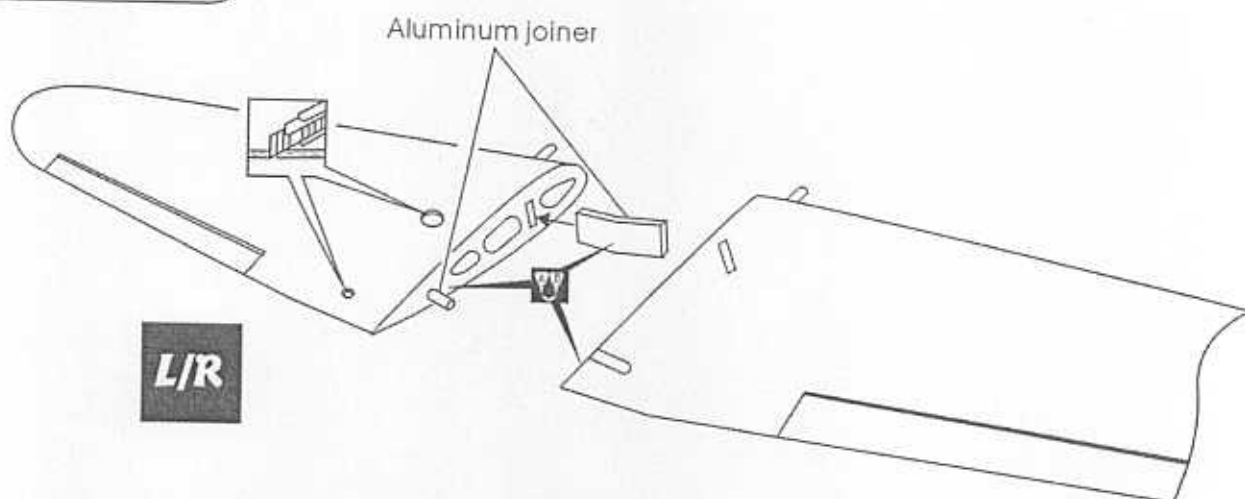
Discreteness name

- | | |
|-----------------|---------------------------------|
| 1. Fuselage | 11. Tail Landing Gear |
| 2. Stabilizer | 12. Hinge |
| 3. Vertical Fin | 13. Horn |
| 4. Wing | 14. The double clips steel wire |
| 5. Fuel Tank | 15. Steel wire |
| 6. Landing Gear | 16. Linkage Stopper |
| 7. Wheel Collar | 17. Engine Mount |
| 8. Wheel | 18. Servos block |
| 9. Screw | 19. Cilicon tube |
| | 20. Wing Joiners |
| | 21. Cowl |
| | 22. Canopy |

1 Aileron

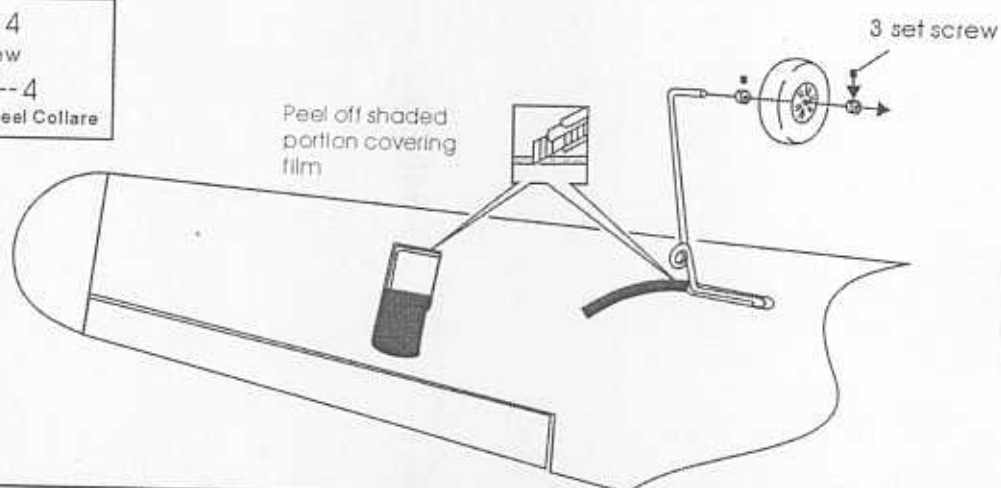
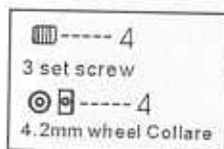
**L/R**

2 Main wing



L/R

3 Landing Gear

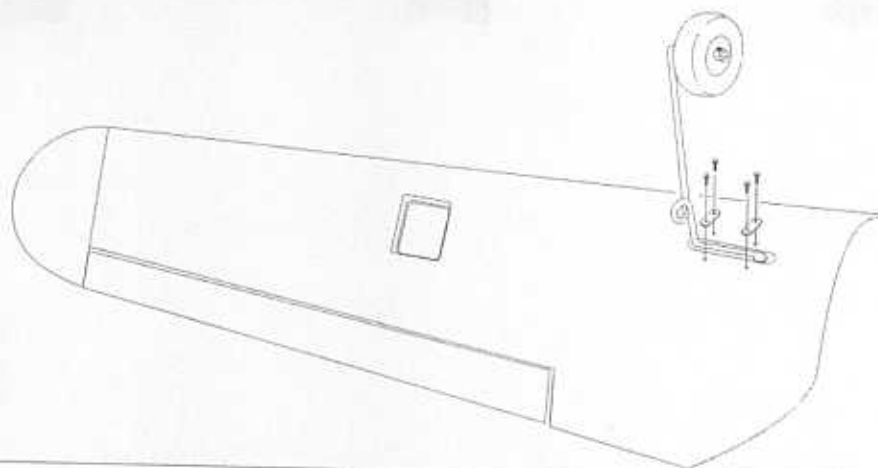


L/R

4 Landing Gear

PA3X16cs
8

L/R



5 Aileron Servo

PWA2X8mm sc
8

Aileron servo cover
1.5X64X70mm

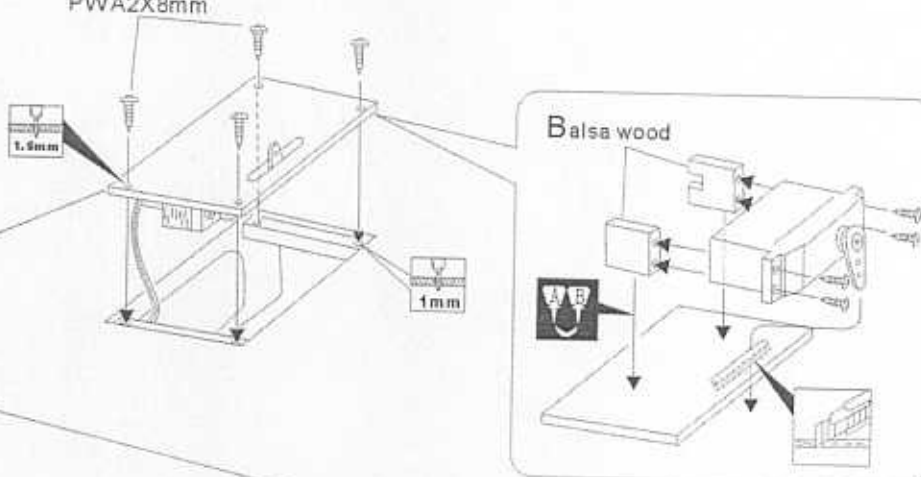
PWA2X8mm

1.5mm

1mm

Balsa wood

L/R



6 Aileron Servo

PM2X16mm Screw
6

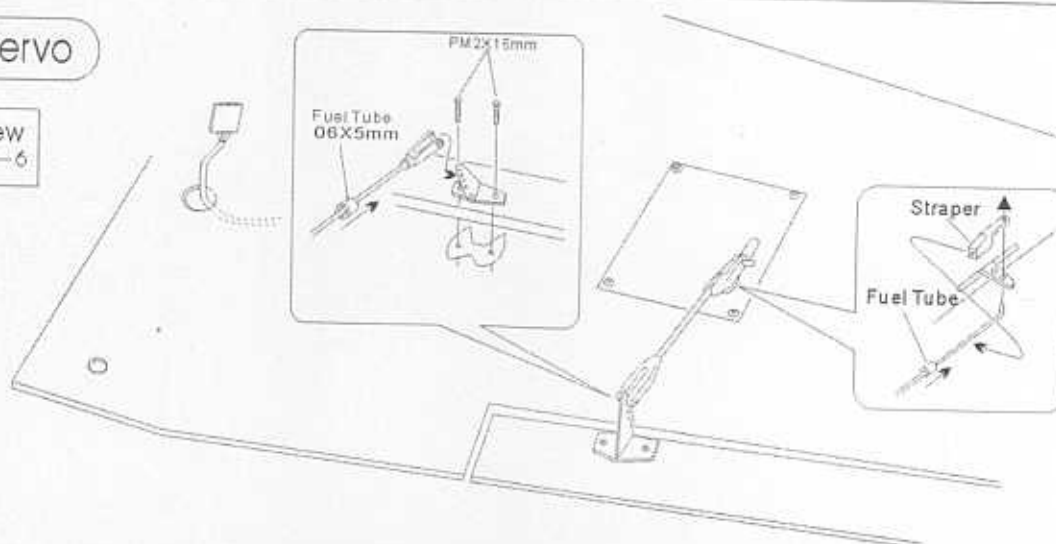
Fuel Tube
08X5mm

PM2X15mm

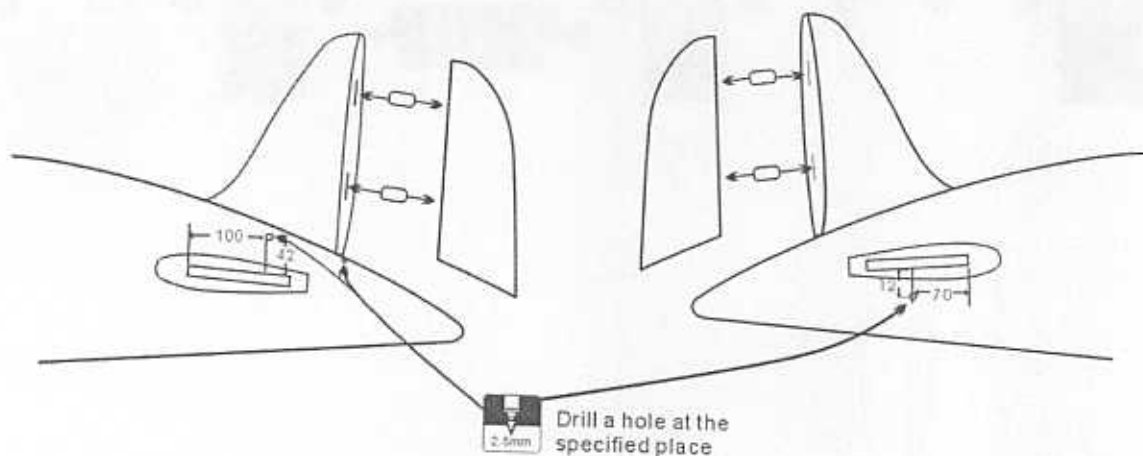
Straper

Fuel Tube

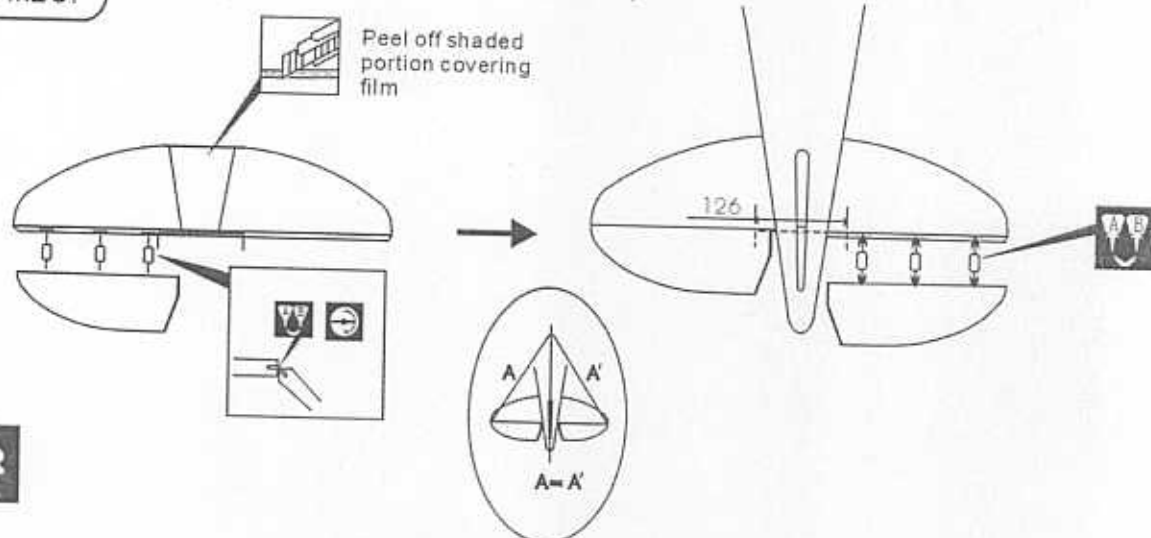
L/R



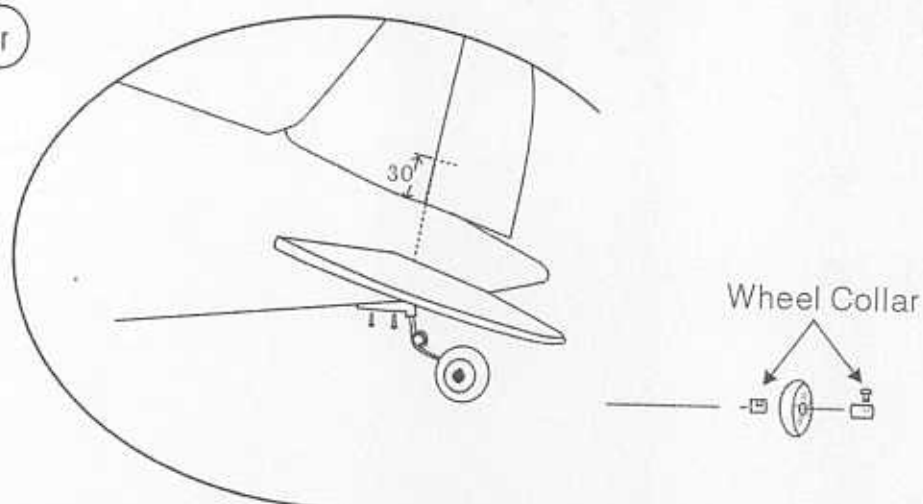
7 Vertical fin/ruder



8 Stabilizer

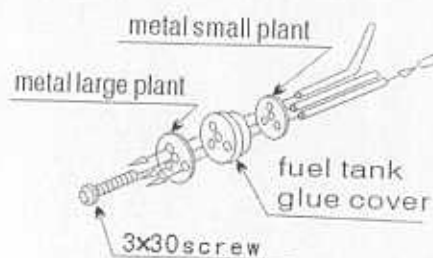
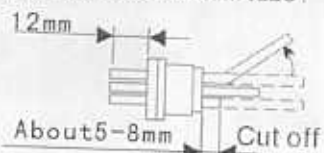


9 Tail Landing Gear

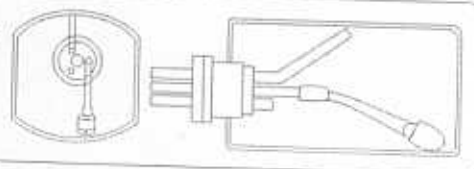


10 Fuel Tank

as shown, joint the fuel tank cover, the mount plant and three aluminium tube.

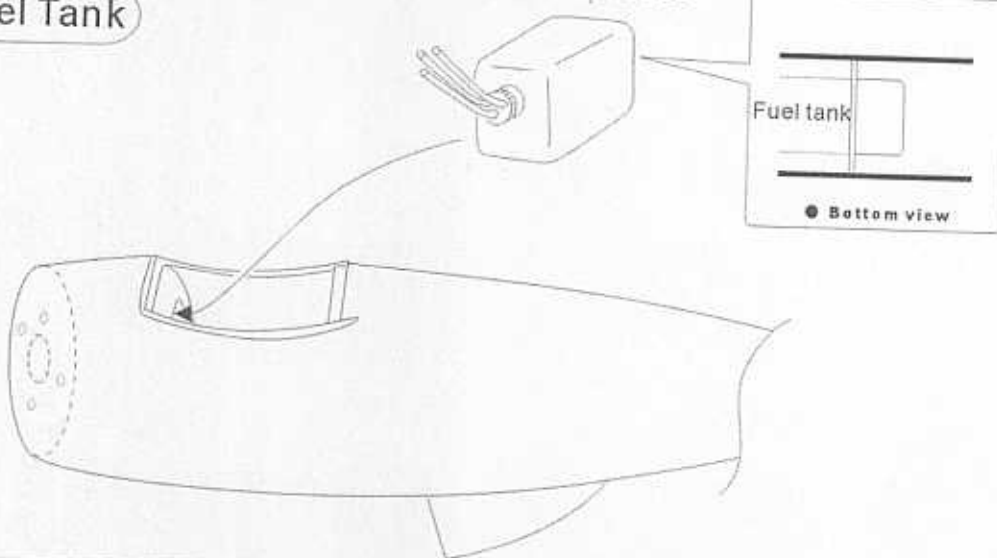


note: three aluminium tubes' direction on the fuel tank cover.



11 Fuel Tank

Fuel tank 450cc



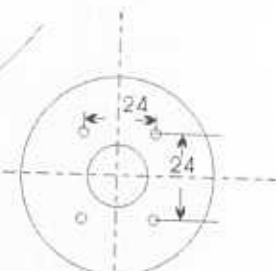
12 Engine mount

PM4X30MM screw - 4

Engine Mount -90

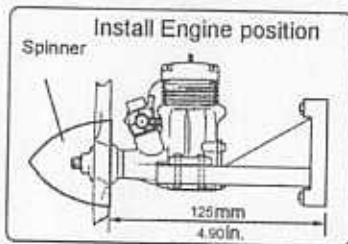
PM4X30mm

Enging mounting holes at firewall are off-centered due to built-in thrust angle



13 Engine

PM4 x 35mm Screw	4
4 mm Washer	8
4 mm Nut	8



Plastic tube
d2 x D3 x 340mm

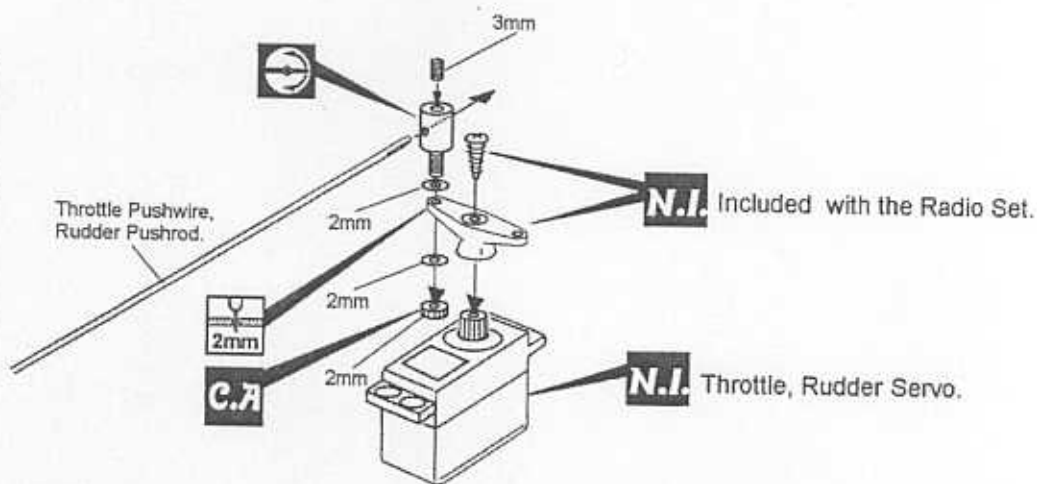
Throttle Pushwire
Ø1.2 x 420mm

PM4 x 35mm

Illustration is upright mounting of engine. Side or inverted mounting is possible by rotating the engine mount. Thrust angle will not be affected.

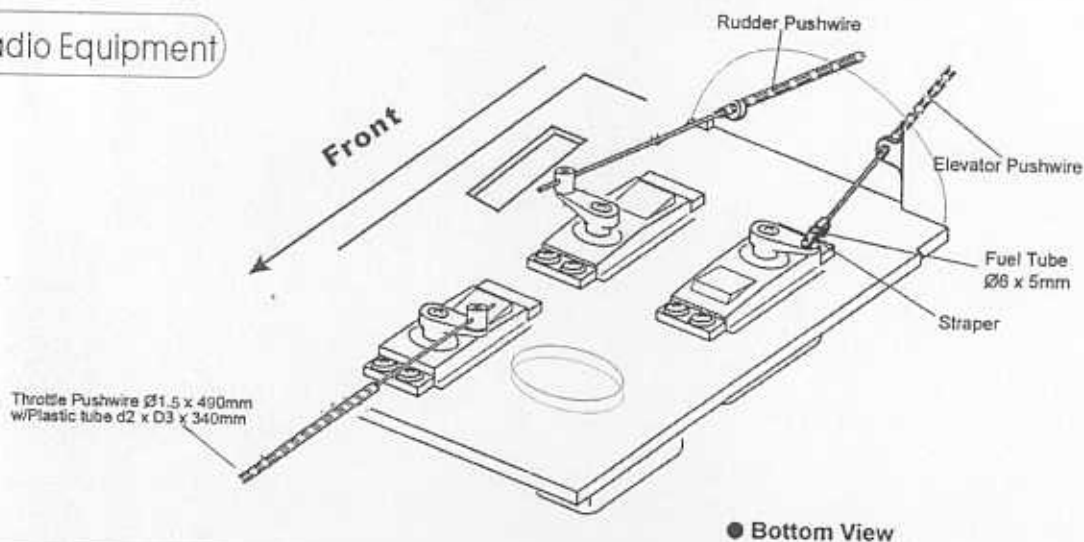
14 Servo set

Linkage Stopper	
3 x 3mm Set Screw	3
Linkage Stopper	3
2mm Nut	3
2mm Washer	6



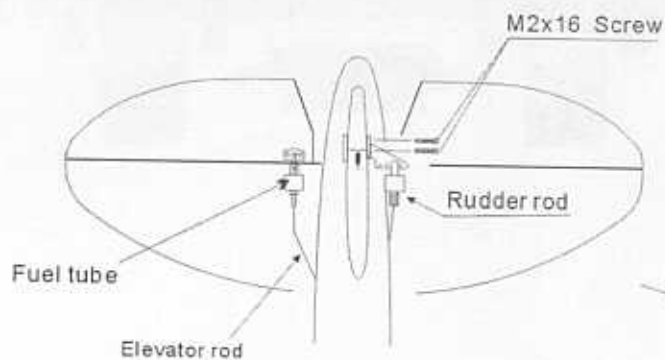
! Please refer to attached sheet for linkage stopper installation.

15 Radio Equipment

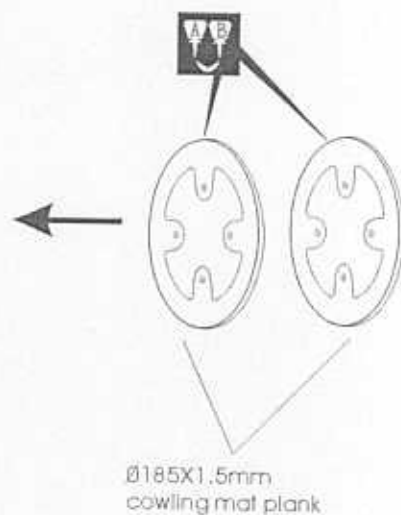
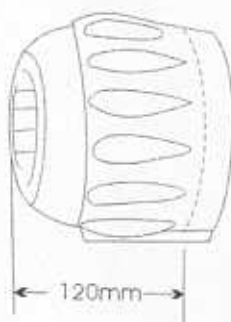


16 Linkage

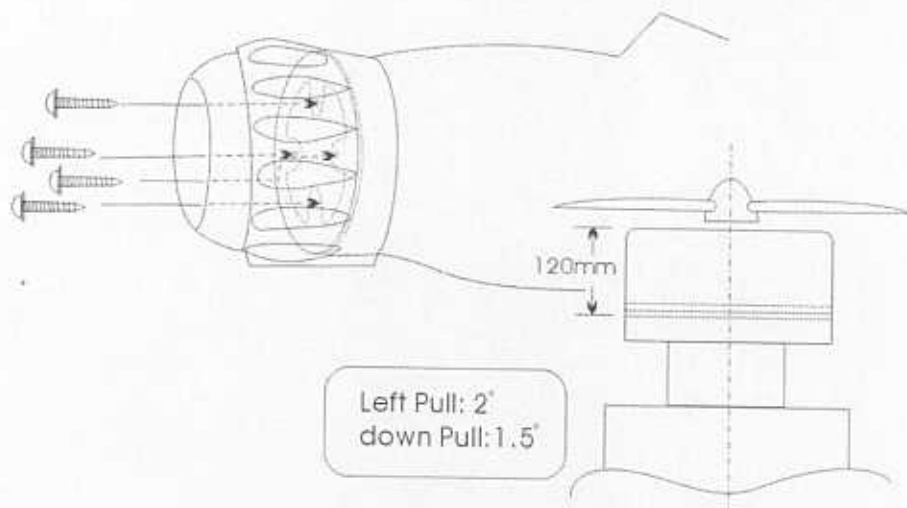
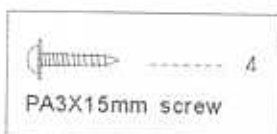
4
M2x16 Screw



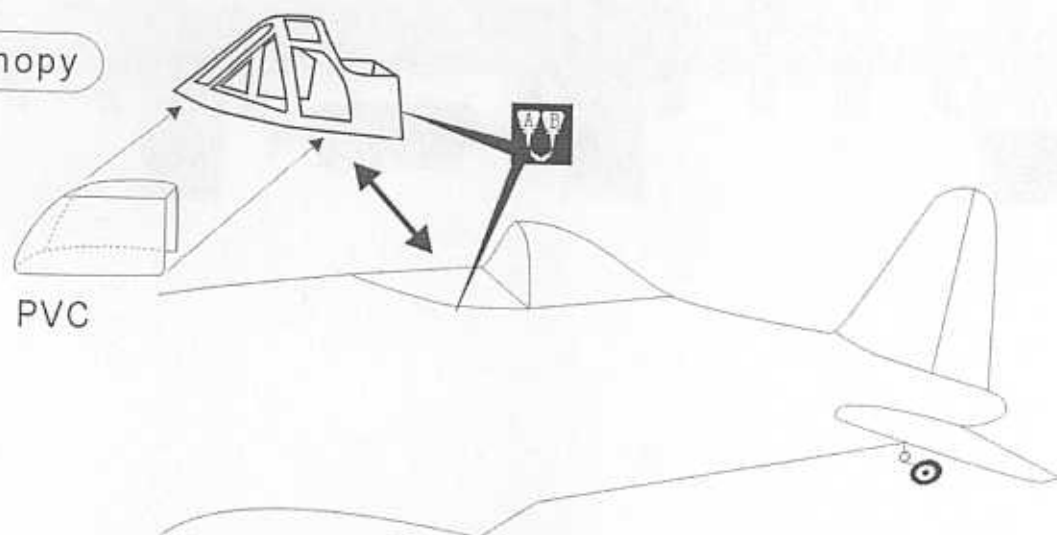
17 Cowling



18 Cowling

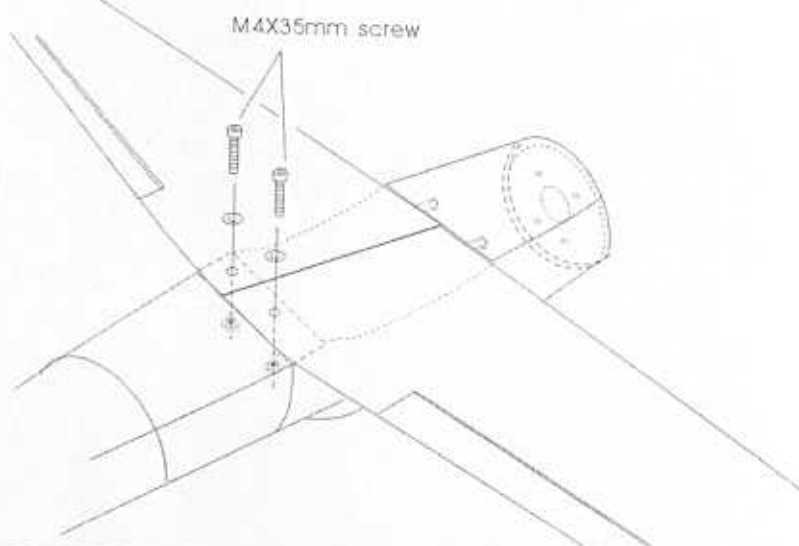


19 Canopy



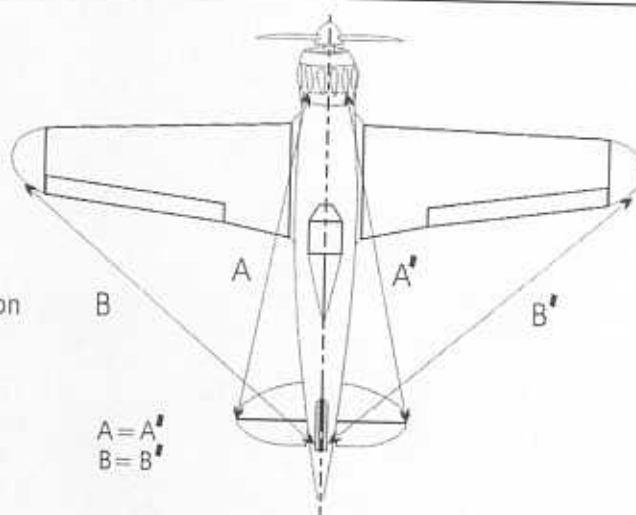
20 Main Wing

	-----	2
M4X35mm screw		
	-----	2
S Ø4XØ9X1		
	-----	2
Ø4		

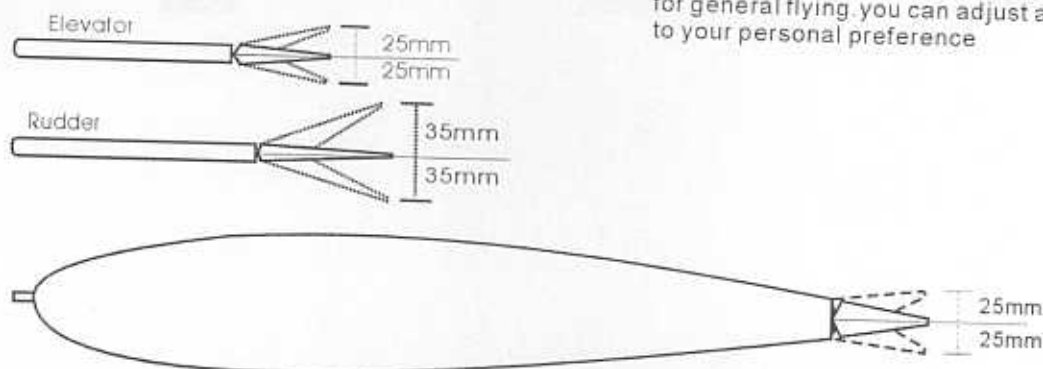


21 Wing setting

Adjust the wing and fuselage configuration as in the diagrams



22 Control throws



Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

! Warning!

Important Safety Precautions

- # First time flyer should never fly by himself / herself. Assistance from experienced flyer is absolutely necessary.
- # Pre-flight adjustment must be done before flying, it is very dangerous to fly a badly pre-adjusted aircraft.
- # **AIR-LILL-90** is designed to be powered by 2C 0.90 or 4C 0.120 engine. using a more powerful engine does not mean better performance. In fact, over powered engine may cause structural damage and injuries.
- # Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller.
- # If you find wrinkles on the covering as a result of weather changes, you can use hot iron to remove the wrinkles. Please begin with lower temperature setting and gradually raise the temperature until the wrinkles are gone. Too hot an iron may damage the covering.
- # Check and re-tighten up all factory assembled screws, use thread locker if applicable.