Radio control model / Flugmodel

T-28 "Trojan"



ALL BALSA, PLYWOOD CONSTRUCTION AND ALMOST READY TO FLY

Instruction manual / Montageanleitung

SPECIFICATIONS

Wingspan:	1870mm
	1350mm
Electric Motor:	900Watt - 80A. ESC
Glow Engine:	120 4T / 75-95 2T
Gas Engine:	17-20cc
RTF Weight: 5.3 - 5.6	6Kg (Will vary with
Equipment Used).	3 (
Radio:	See next nager

All balsa and plywood Construction

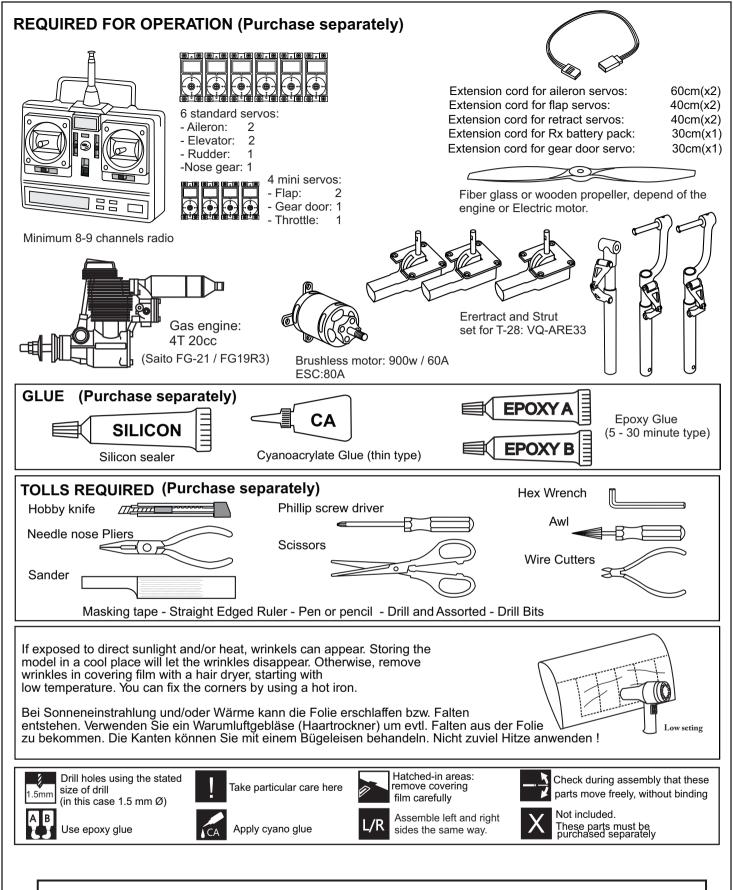






WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of controll and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if you are unexperienced.

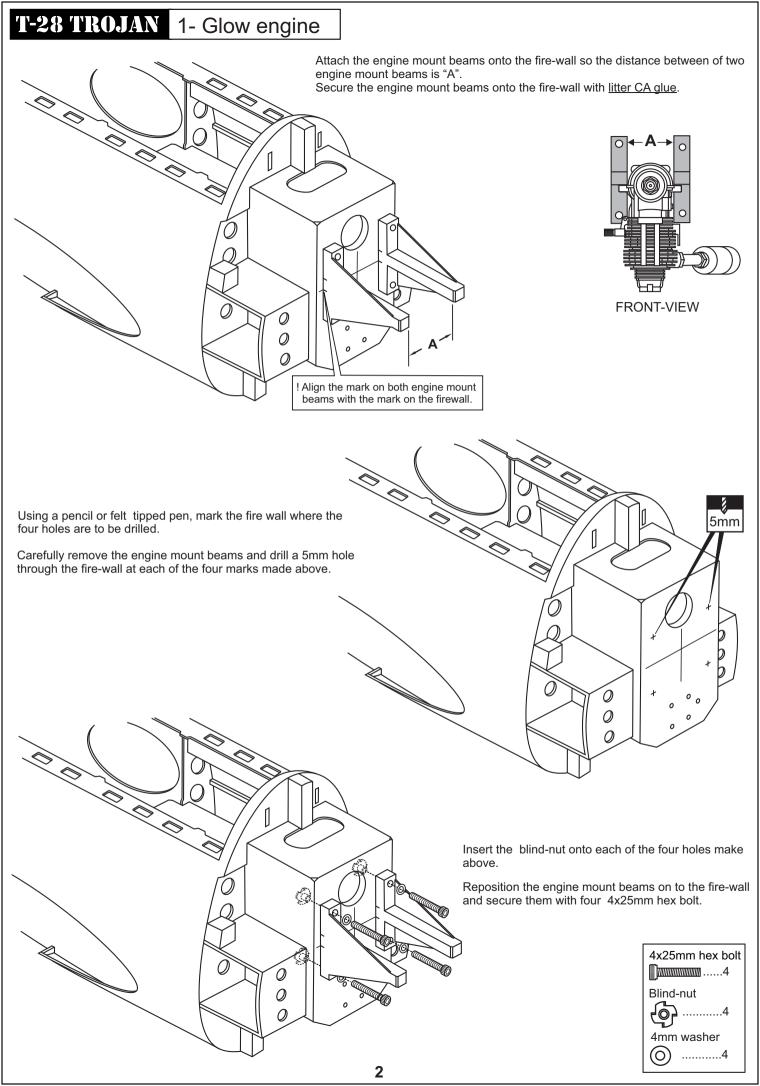
ACHTUNG! Dieses ferngesteuerte Modell ist KEIN Spielzeug! Es ist für fortgeschrittene Modellflugpiloten bestimmt, die ausreichende Erfahrung im Umgang mit derartigen Modellen besitzen. Bei unsachgemässer Verwendung kann hoher Personen- und/oder Sachschaden entstehen. Fragen Sie in einem Modellbauverein in Ihrer Nähe um professionelle Unterstätzung, wenn Sie Hilfe im Bau und Betrieb benötigen. Der Zusammenbau dieses Modells ist durch die vielen Abbildungen selbsterklärend und ist für fortgeschrittene, erfahrene Modellbauer bestimmt.

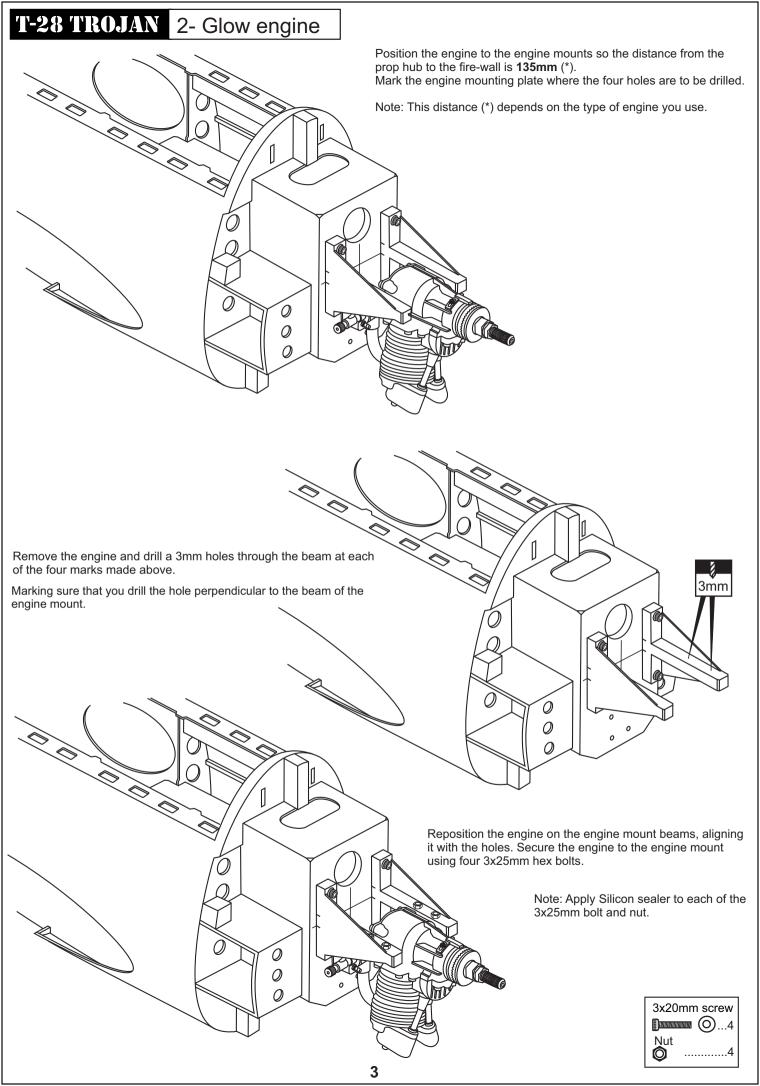


SAFETY NOTES BEFORE ASSEMBLING

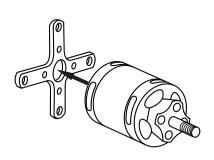
This model is highly pre-fabricated and can be built in a very short time. However, the work which you have to carry out is important and must be done carefully.

The model will only be strong and fly well if you complete your tasks competently - so please work slowly, accurately and check every joints, maybe apply more glue to be safe.

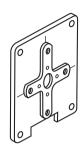




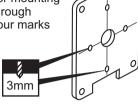
T-28 TROJAN 3- Electric motor

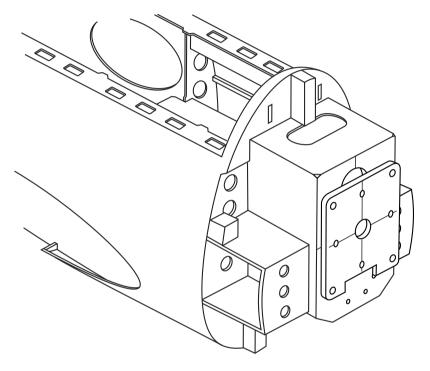


Using a aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled.

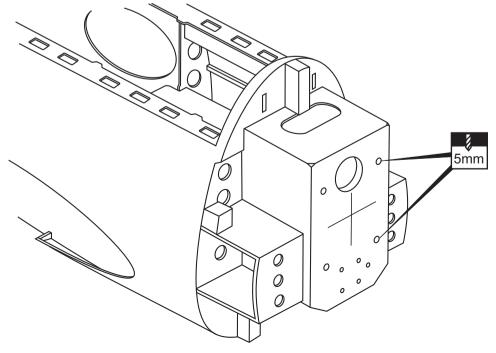


Remove the aluminum motor mounting plate and drill a 3mm hole through the plywood at each of the four marks marked .



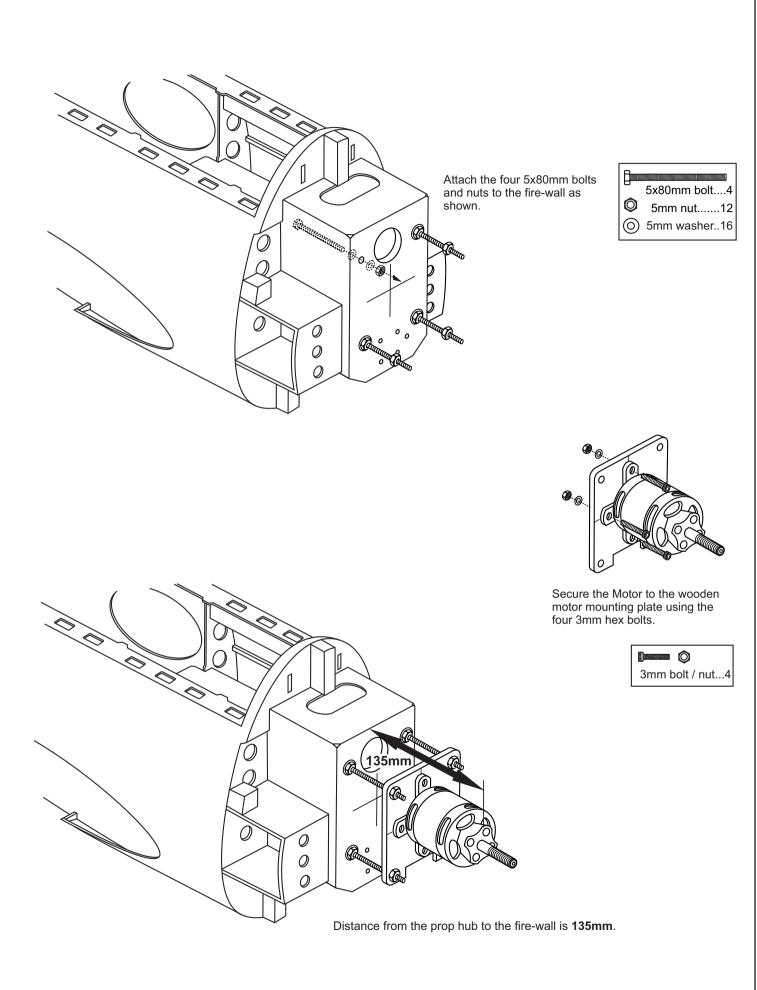


! Align the mark on the plywood motor mount with the mark on the firewall.

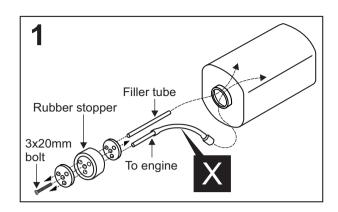


Remove the wooden motor mounting plate and drill a 5mm hole through the fire-wall at each of the four marks marked.

T-28 TROJAN 4- Electric motor

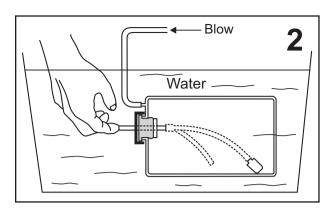


T-28 TROJAN 5- Fuel tank

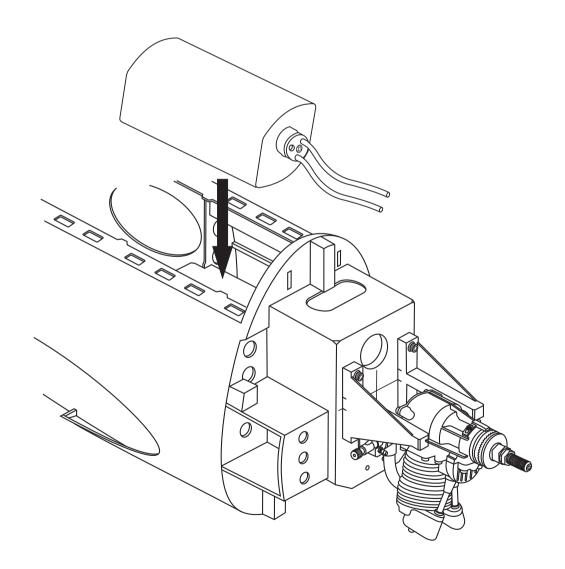


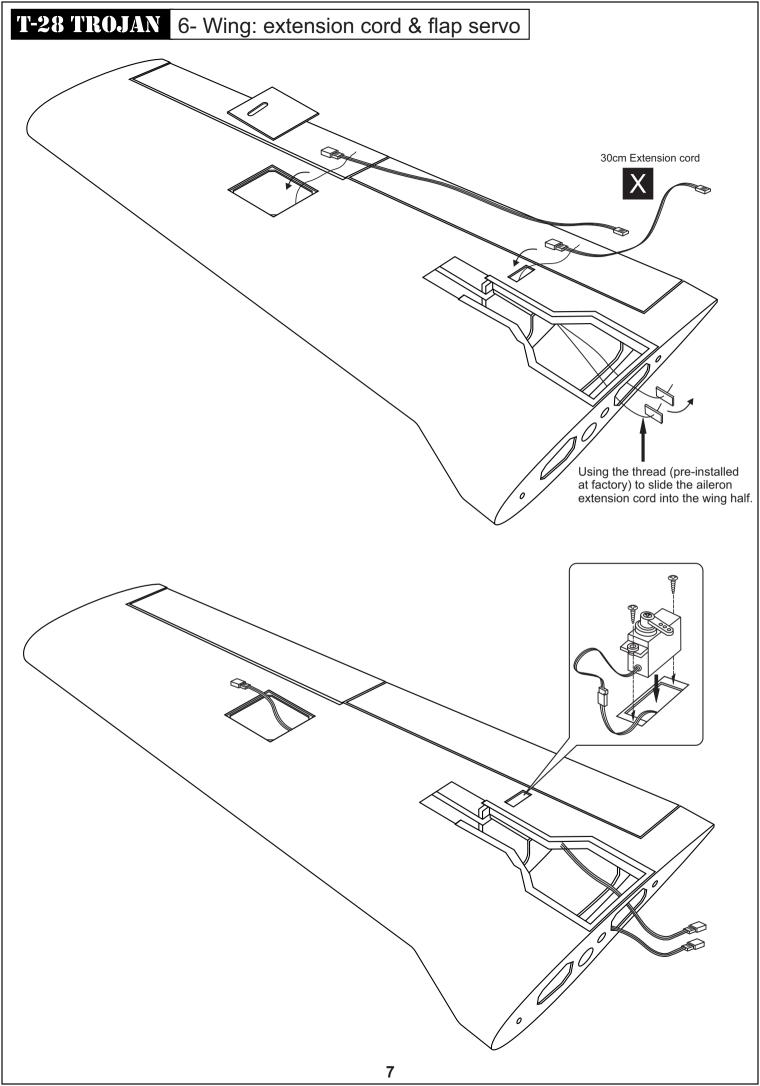
After confirming the direction . Insert this assembly, clunk end first, into the fuel tank and tighten and screw the fuel tank-cap on firmly.

Ensure that the fuel tank clunk does not touch the rear of the fuel tank.

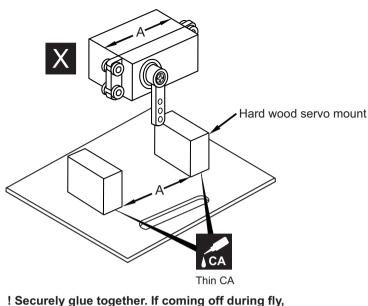


Checking for leaks - block the vents and blow into the feed, if in doubt submersing the tank in a blow of water will show up any problems.

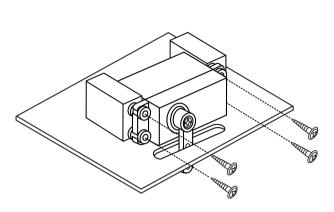


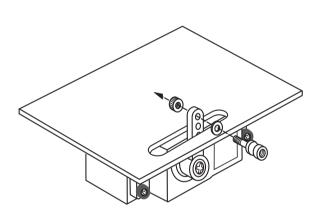


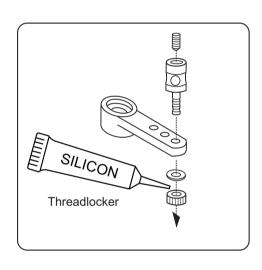
T-28 TROJAN 7- Wing: aileron servo

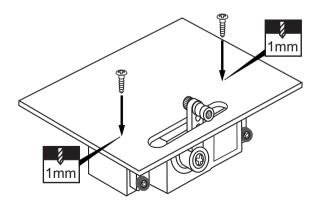


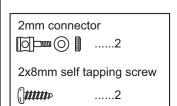
! Securely glue together. If coming off during fly, you lose control of your air plane.

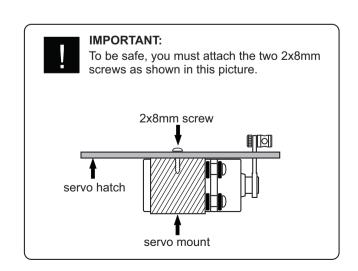




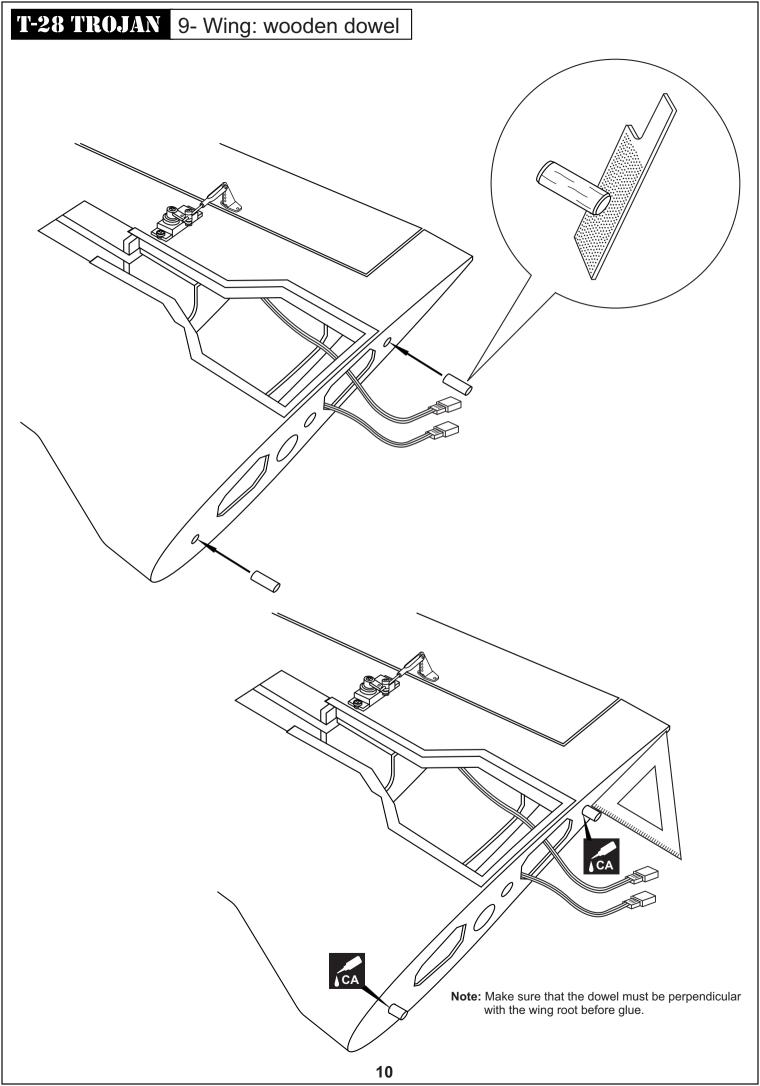


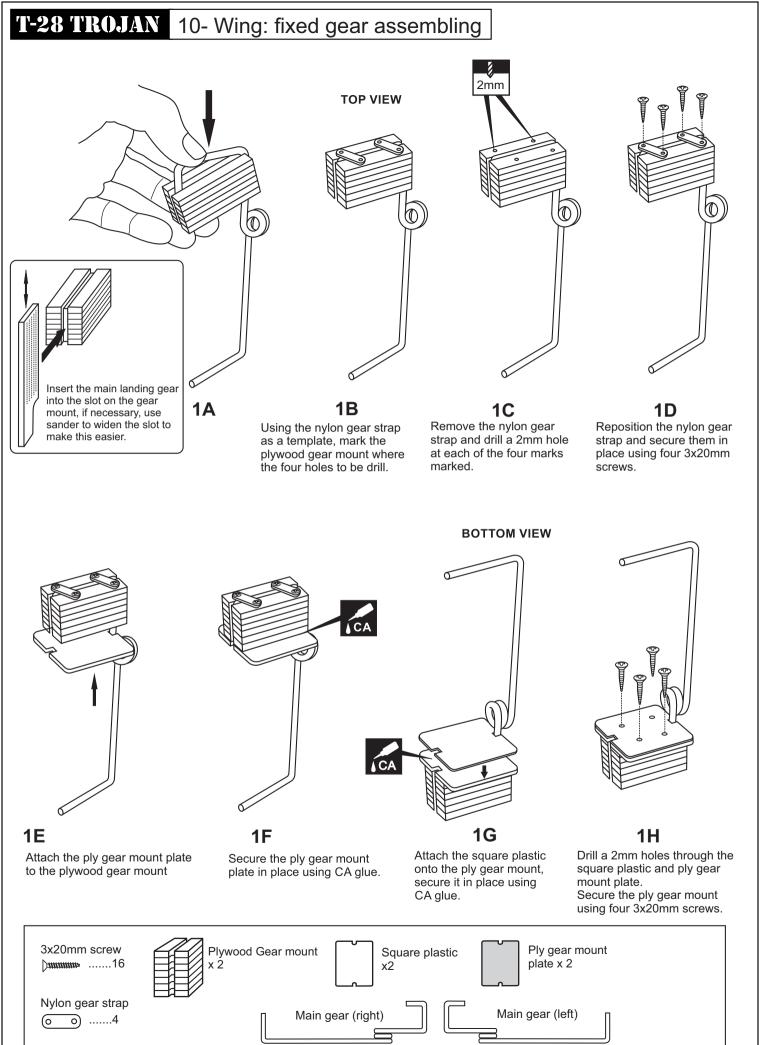


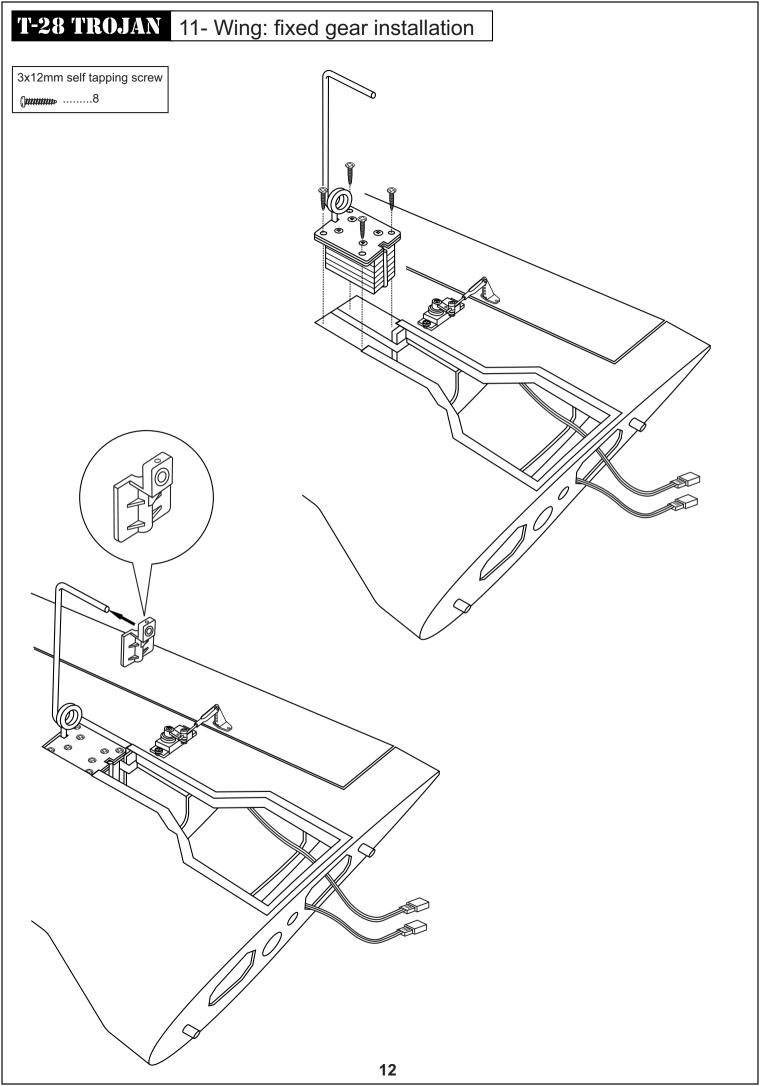


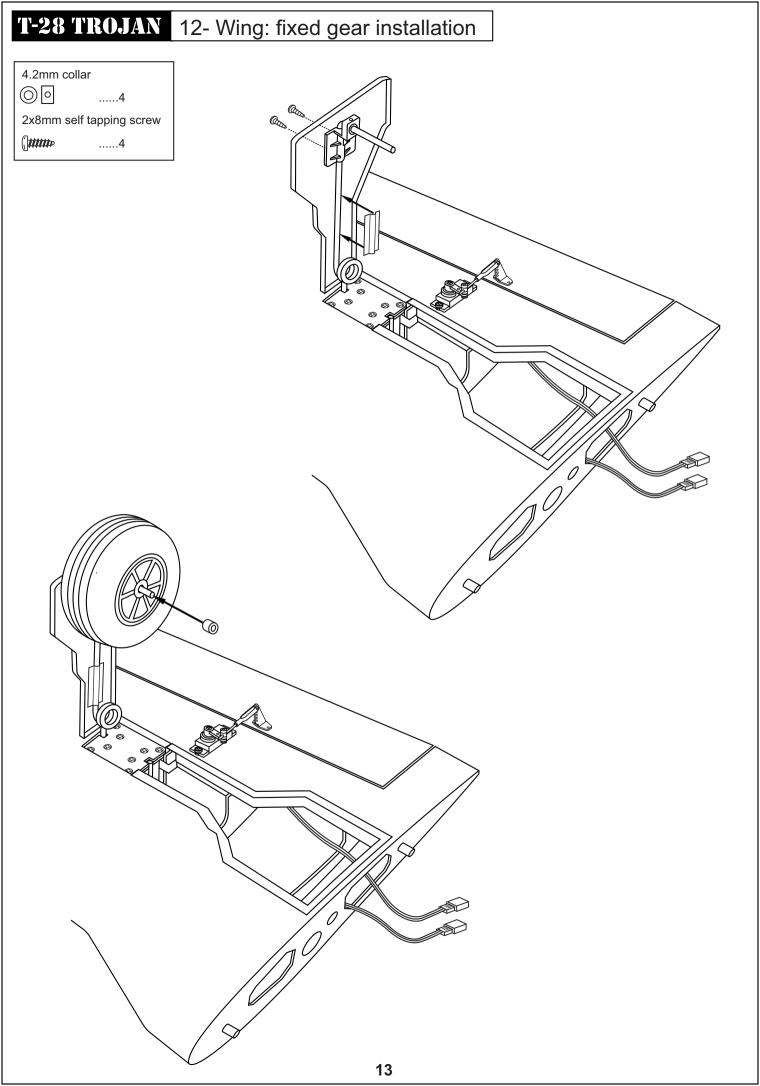


T-28 TROJAN 8- Wing: aileron and flap linkages SILICON Threadlocker 2mm 2x8mm self tapping screw 2mm 2x175mm push rod **____**4 Plastic control horn 2x30mm screw 2mm connector2 2x8mm self tapping screw8 9





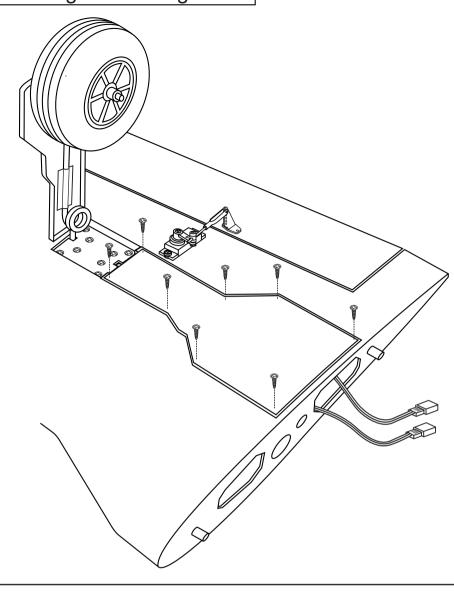




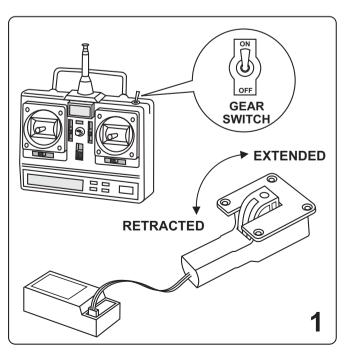
T-28 TROJAN 13- Wing: main gear housing cover

2x8mm self tapping screw

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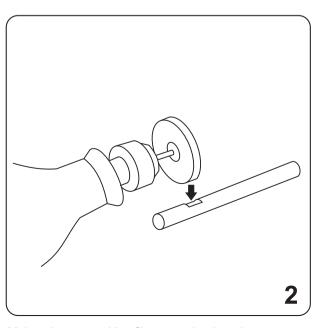


T-28 TROJAN 14- Wing: Eretract landing gear



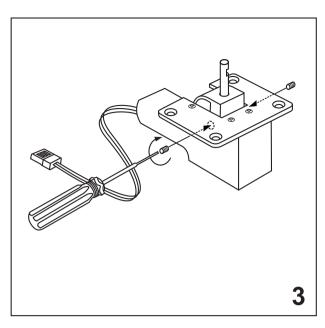
Extend retract with your transmitter and receiver or with servo driver.

Note: Eretract and strut must purchase separately

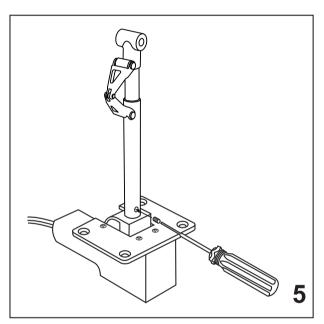


Make a key area with a file on music wire adapter.

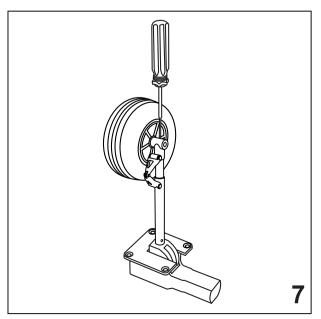
T-28 TROJAN 15- Eretract assembling



Fix the adapter in the retract with hexagon socket screws supplied with scale oleo strut.

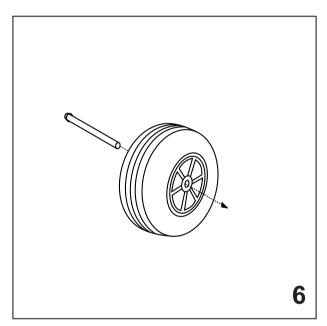


...then tighten the locking bolt.



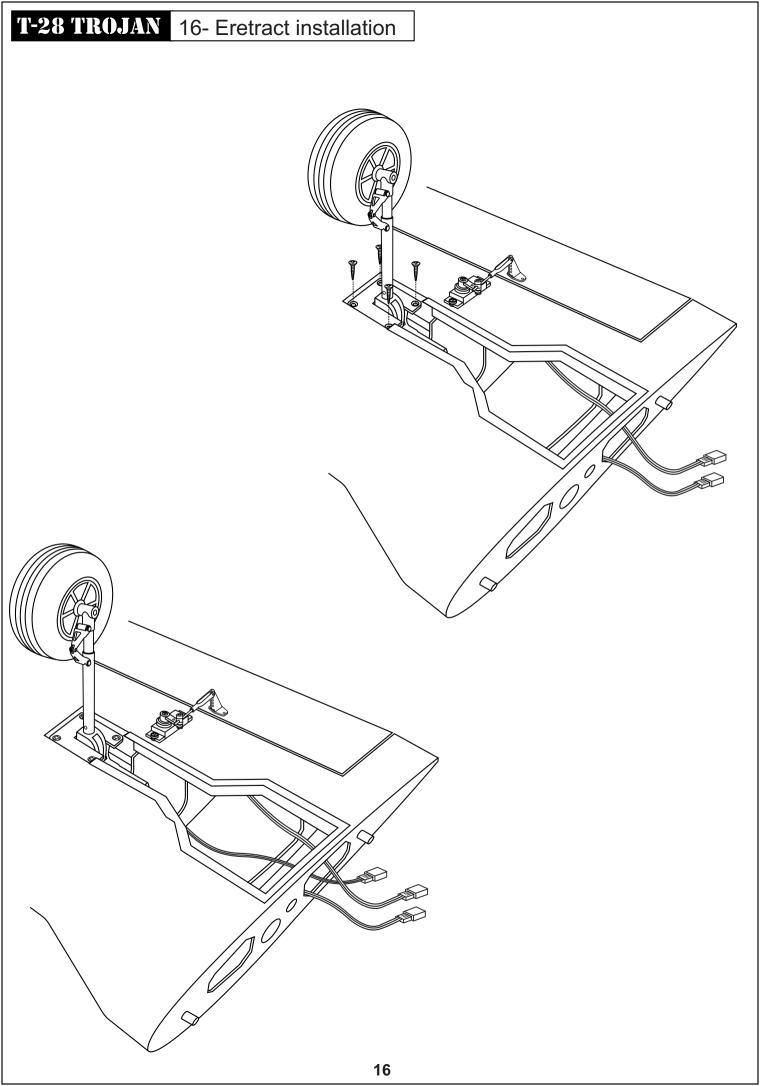
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Fix the strut on the adapter....



Slip the wheel on the axle with the circlip pointing away from the strut...

Attach the axle to the gear and tighten the locking bolt (use LOCTITE threadlocker on every bolt).



17-28 TROJAN 17- Eretract: Radio connection & operation

Radio connection

1-Plug the connector from each of the retract unit into the 2 in 1 wire harness (not supplied).

2-Plug the single lead from the wire hardness into the gear channel of your receiver. An auxiliary channel can be used if the gear channel is occupied.

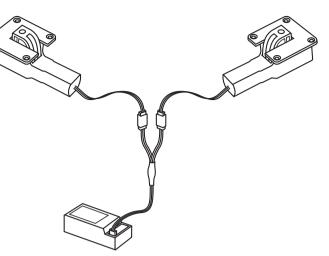
Operation

Before operating the retracts in the model for the first time, check that there are no obstructions in the wheel that could impede operation of the gear.

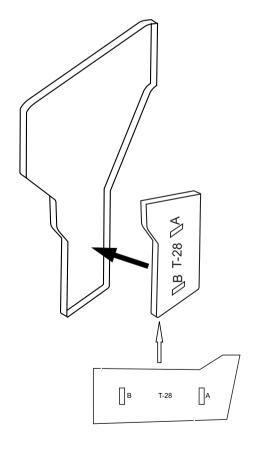
Turn on transmitters and then receiver. Use the gear of other assigned switch to activate that landing gear and check that it operates correctly.

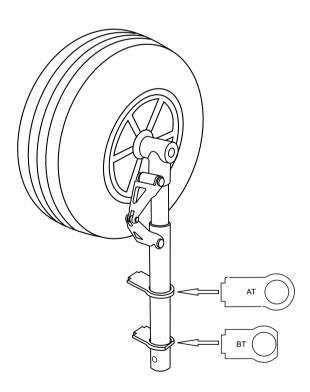
If the switch direction is opposite of that desired, use the reversing function in the transmitter to change the retraction direction.

If using a 2.4GHz radio, once you have set the correct servo direction, be sure to rebind the system before flight.

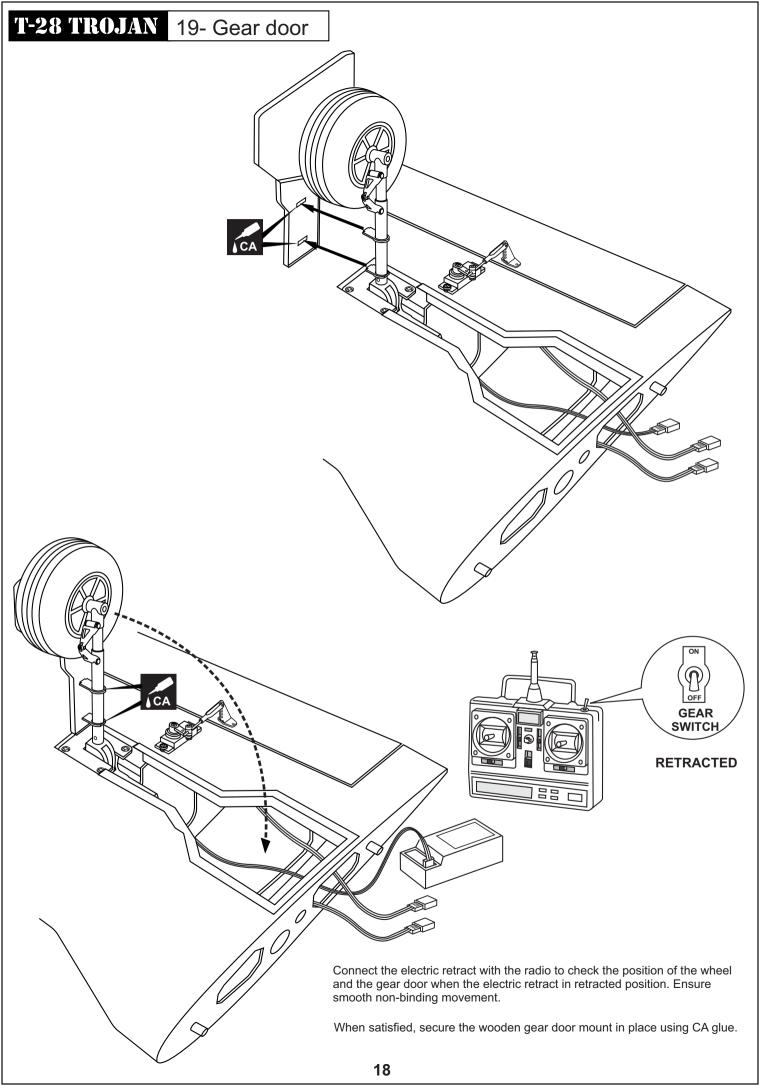


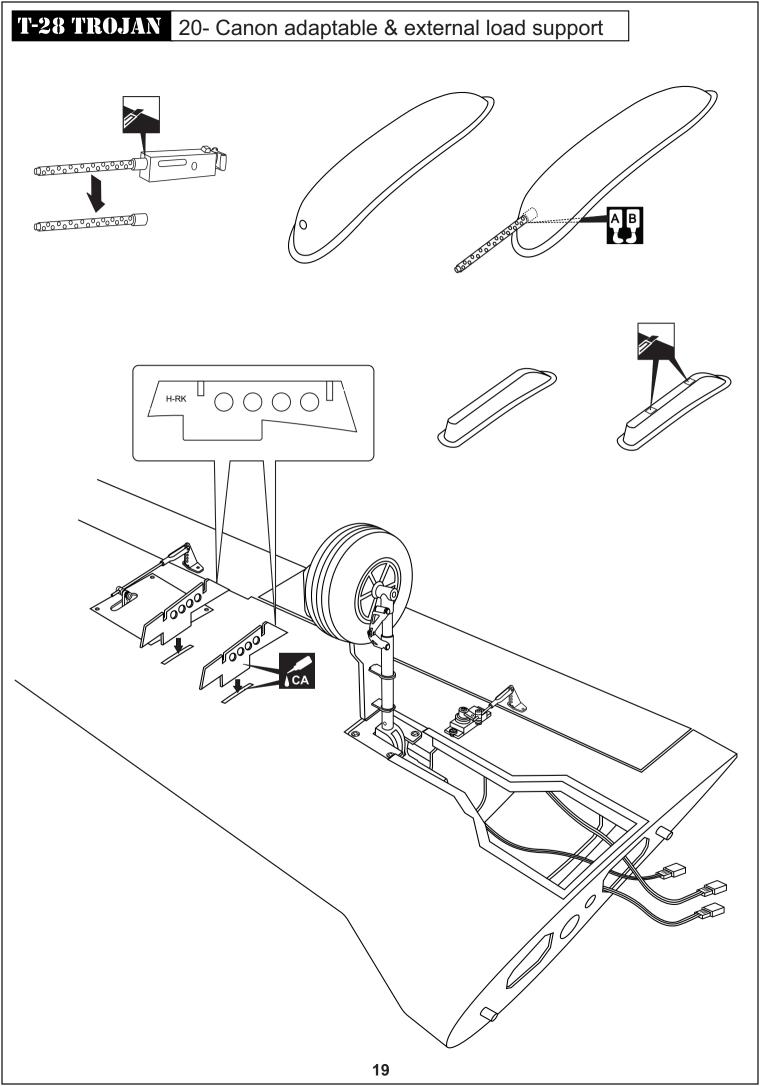
T-28 TROJAN 18- Gear door

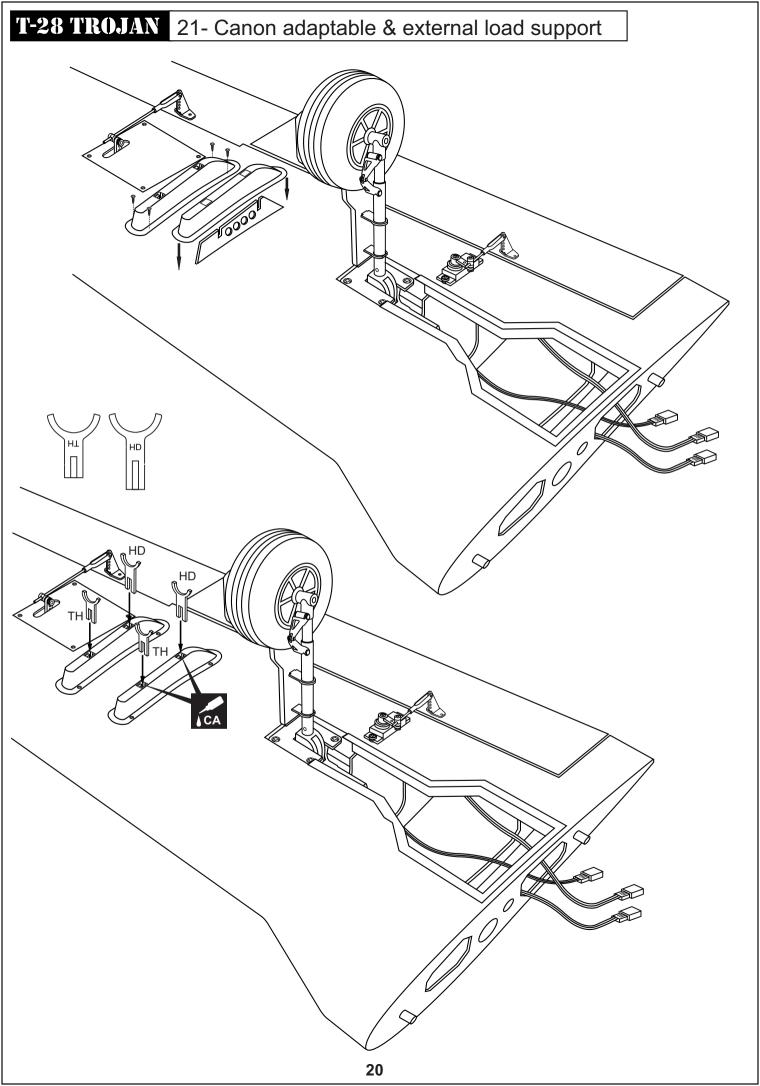




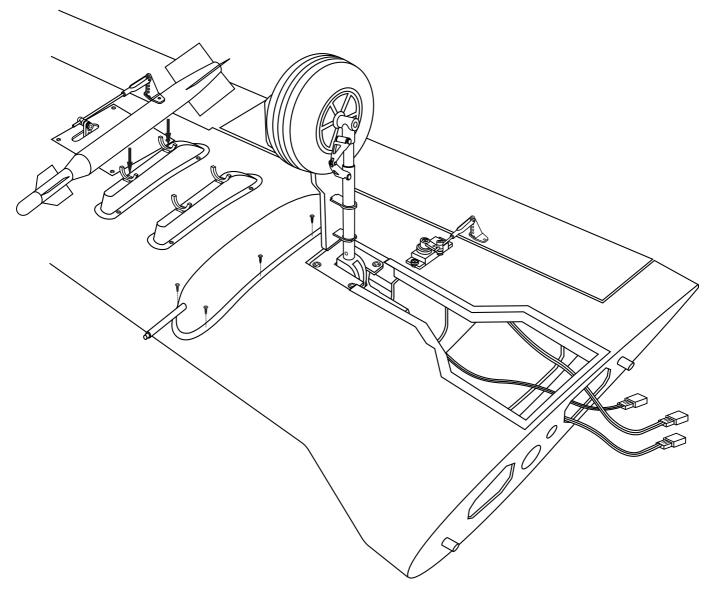
Note: Do not glue the wooden gear door mounts (AT and BT) to the struts at this time.





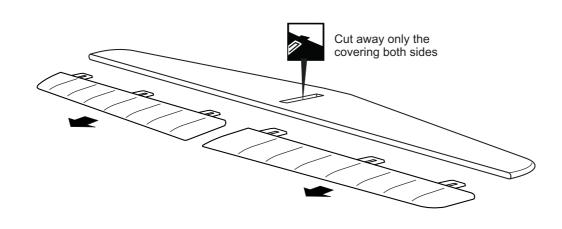


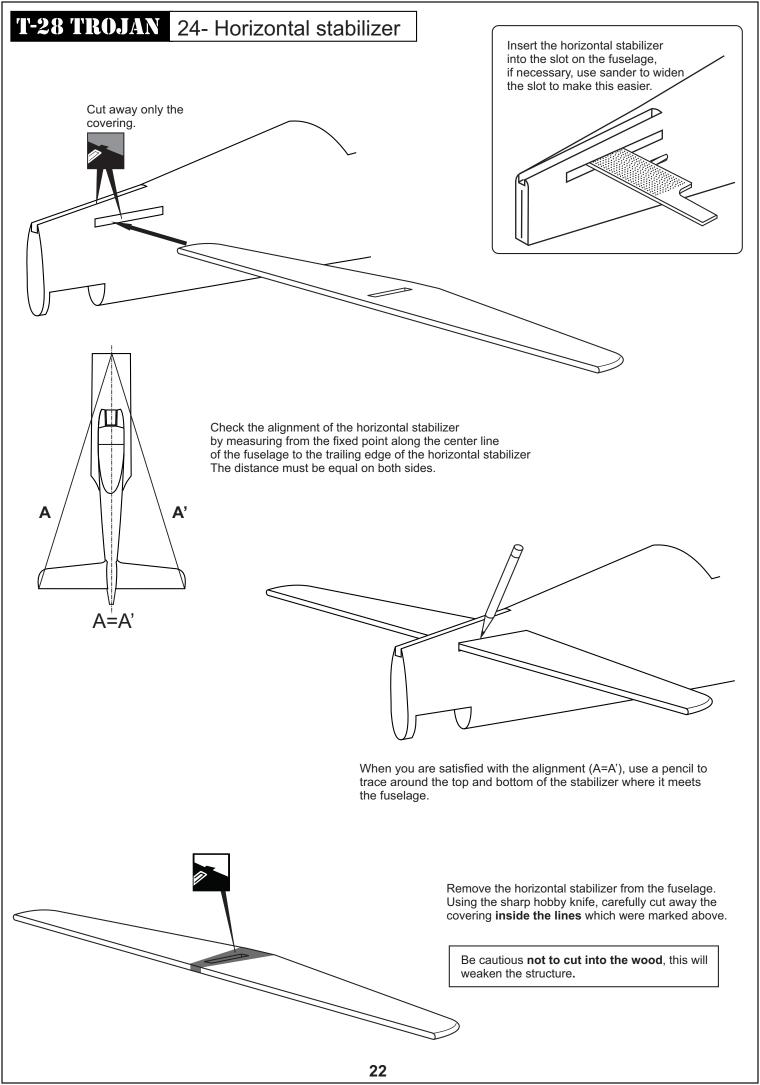
T-28 TROJAN 22- Canon adaptable & external load support

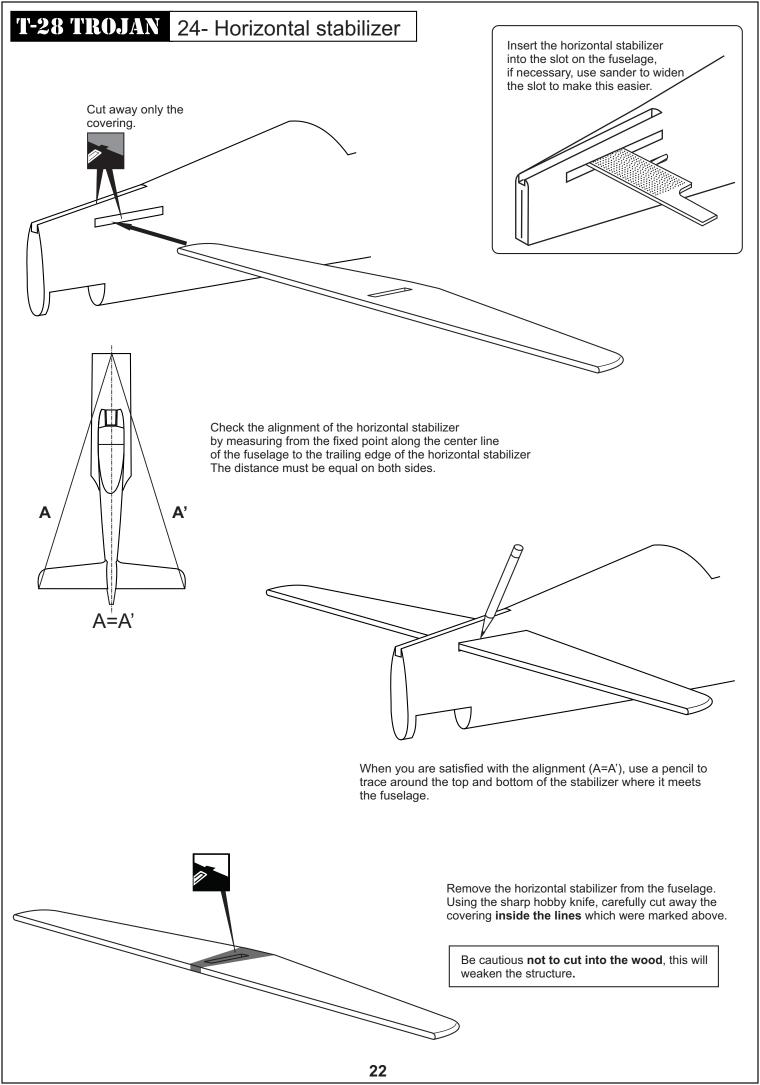


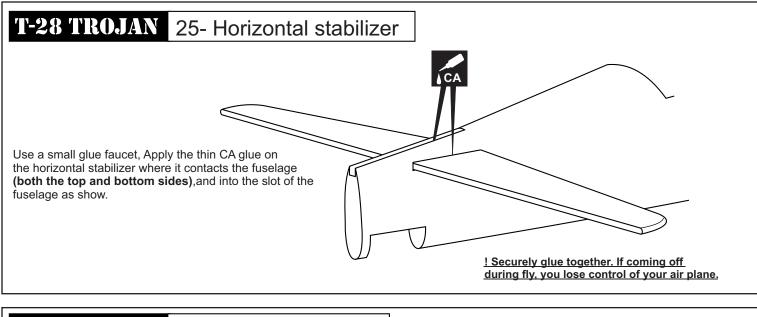
Note: Detail such as pilot, pilot's seat, rockets, instrument panels...are printed from a 3D printer with an environmentally friendly plastic (PLA) made from cornstarch, it will the decompose after about 3 years from the date of produced.

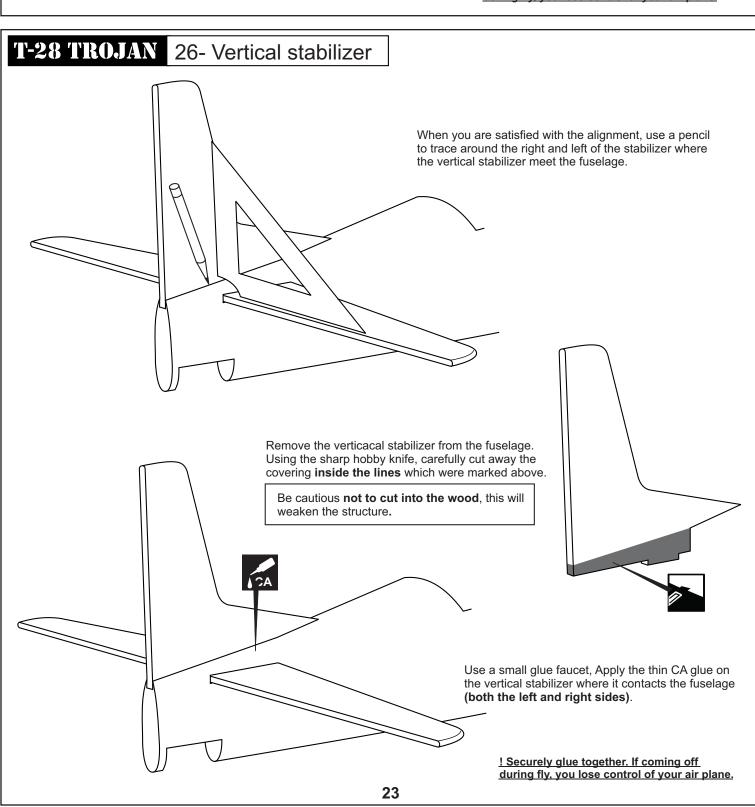
T-28 TROJAN 23- Horizontal stabilizer





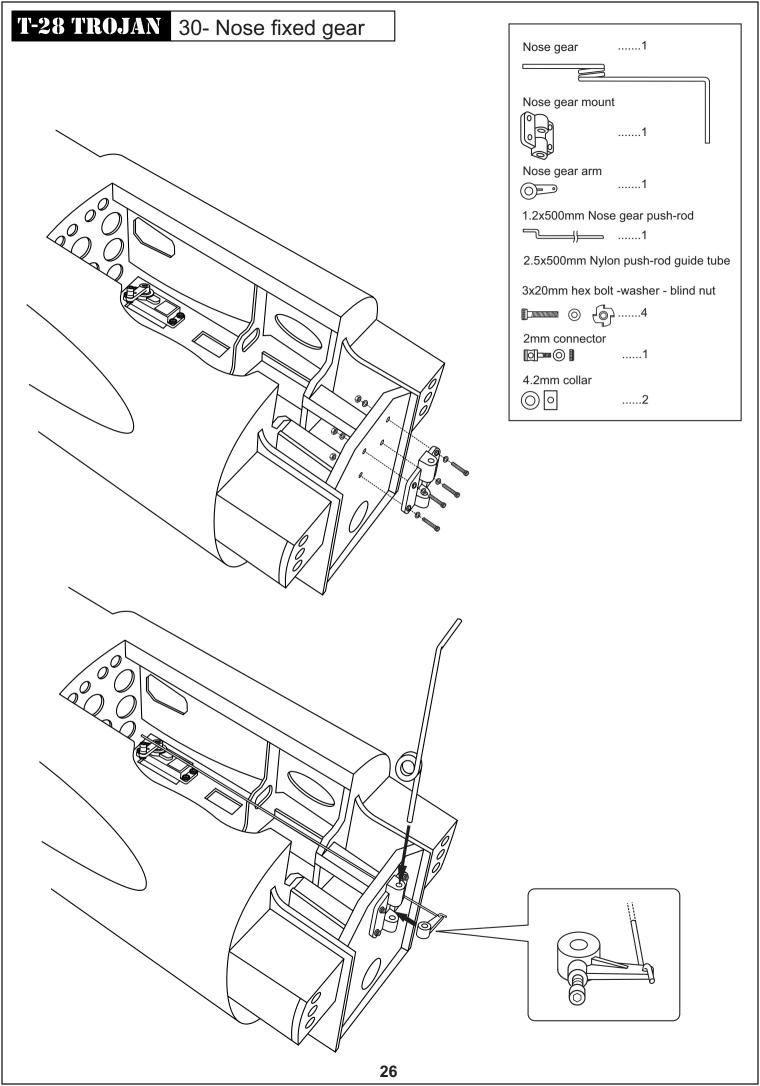






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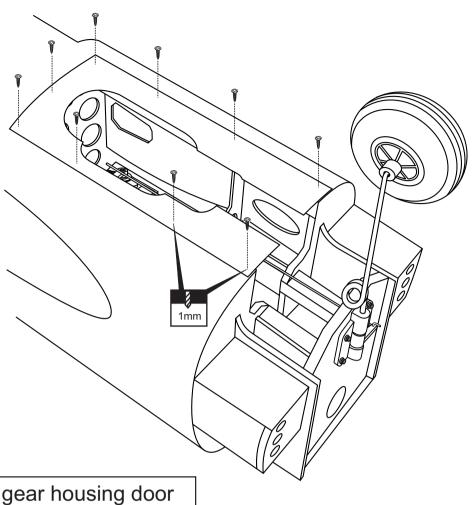
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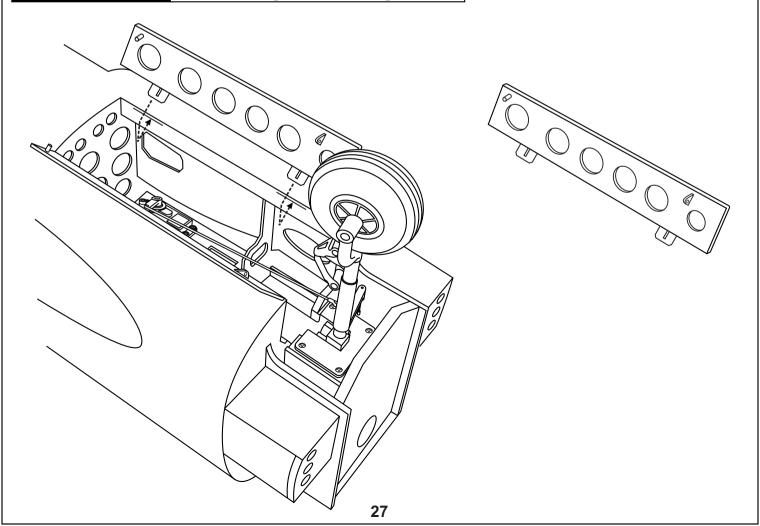
T-28 TROJAN 31- Nose gear housing cover

2x8mm self tapping screw

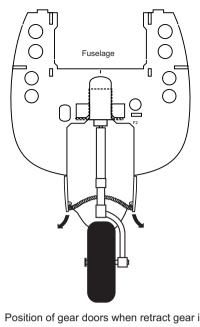
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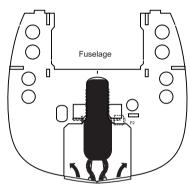
T-28 TROJAN 32- Nose gear housing door



T-28 TROJAN 33- Nose gear housing door



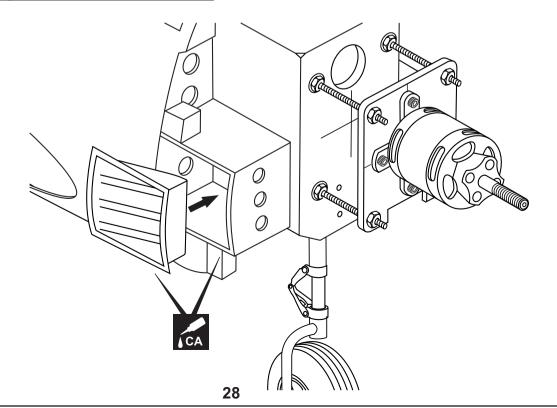
Position of gear doors when retract gear in extended.



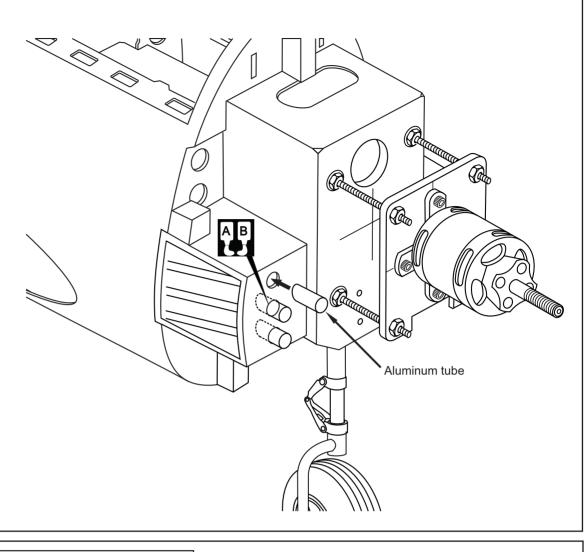
Position of gear doors when retract gear in retracted.

Spring The Spring Sprin Thread

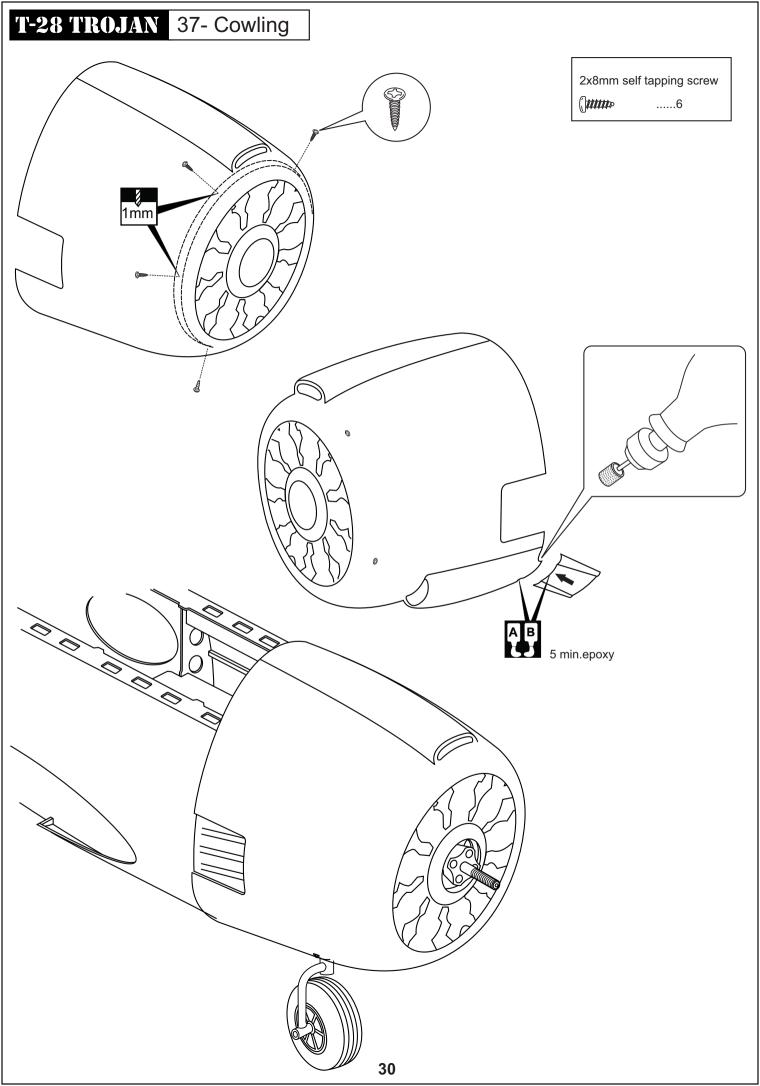
T-28 TROJAN 34- Air exhaust vent

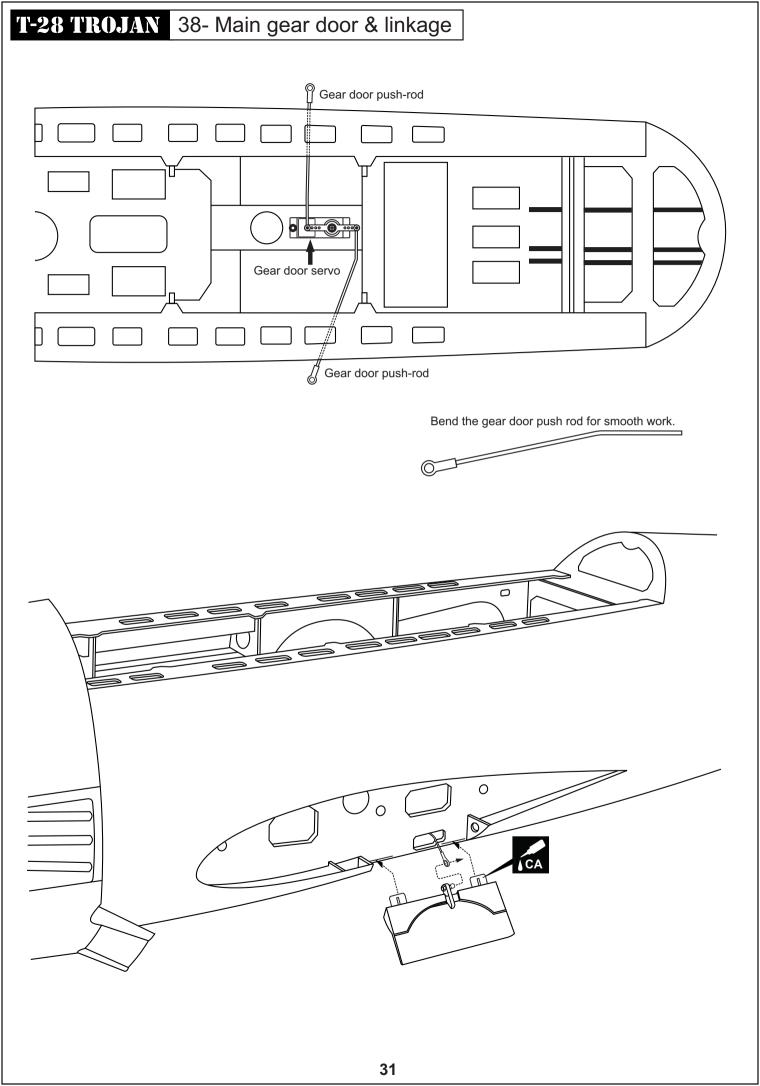


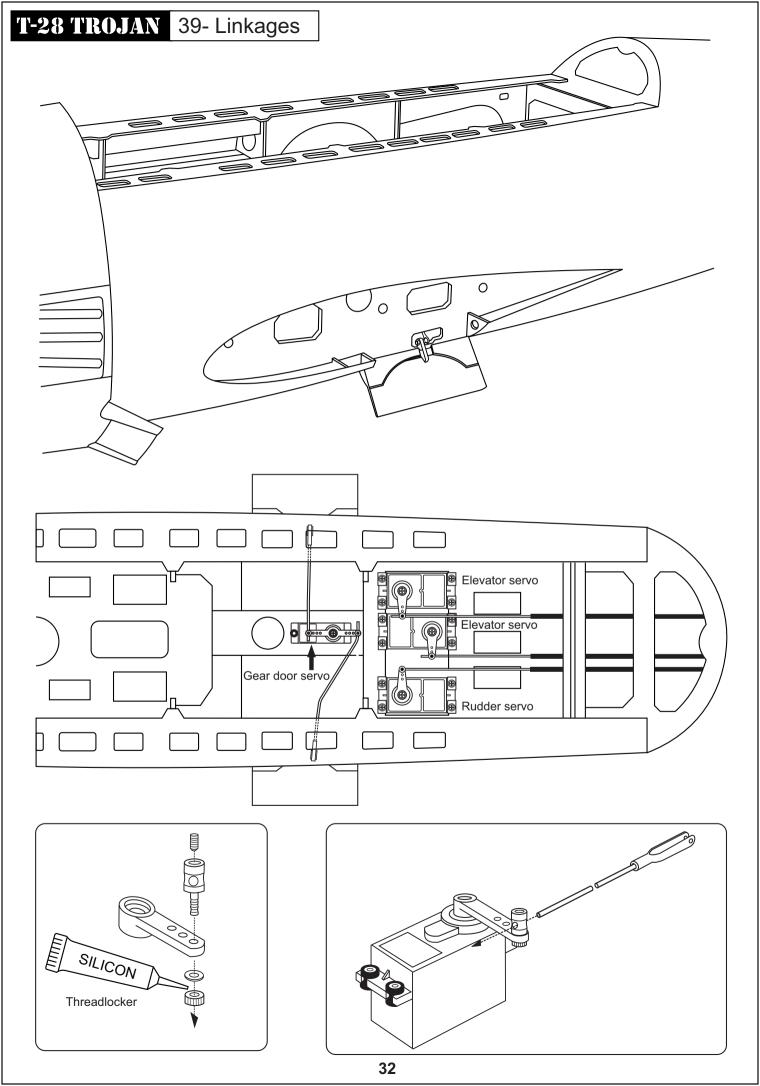
T-28 TROJAN 35- Exhaust pipes

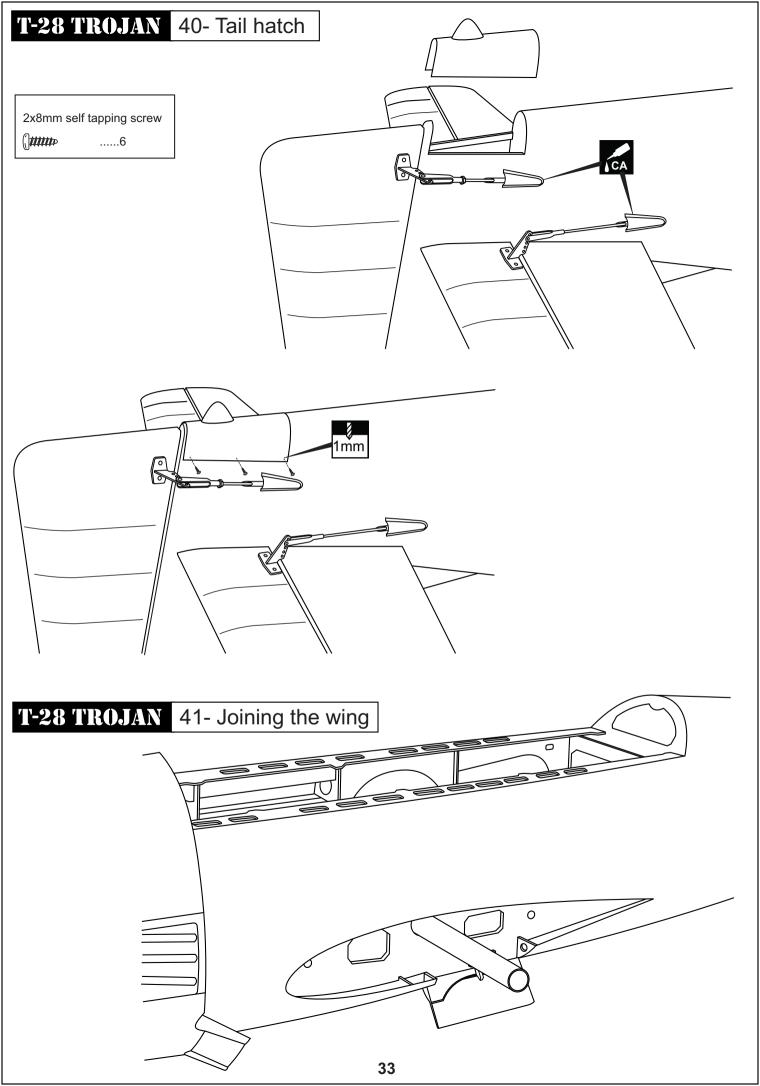


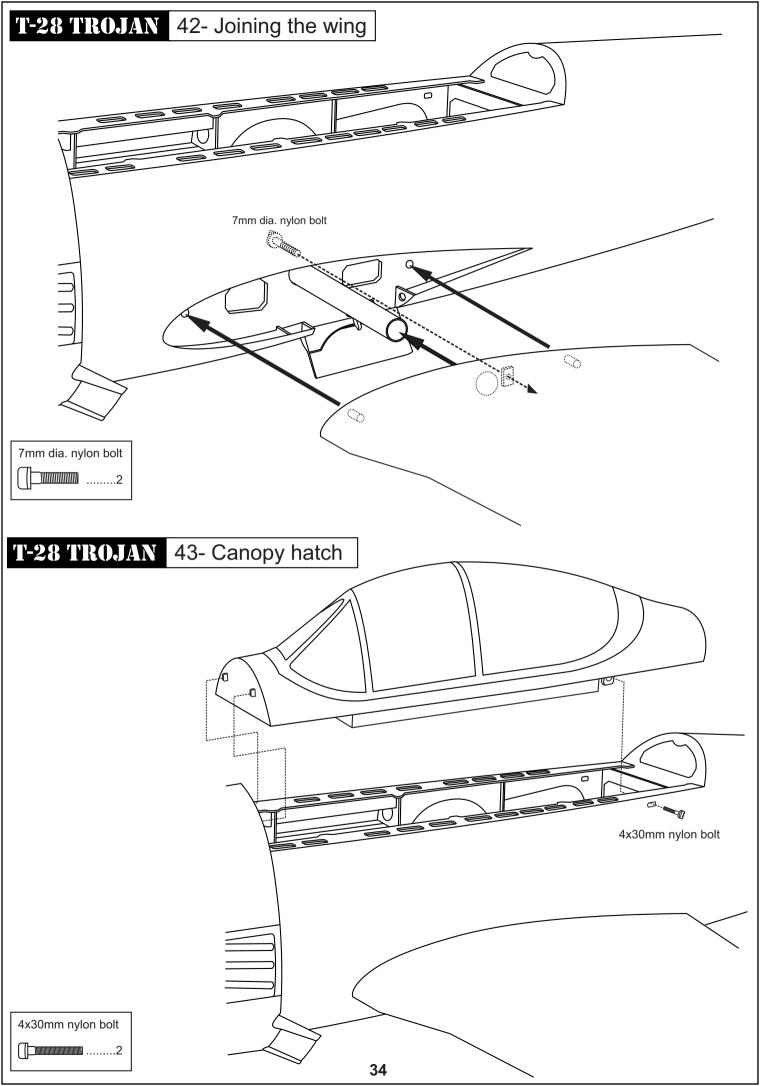
T-28 TROJAN 36- Dummy engine Secure the dummy engine in place with CA glue.

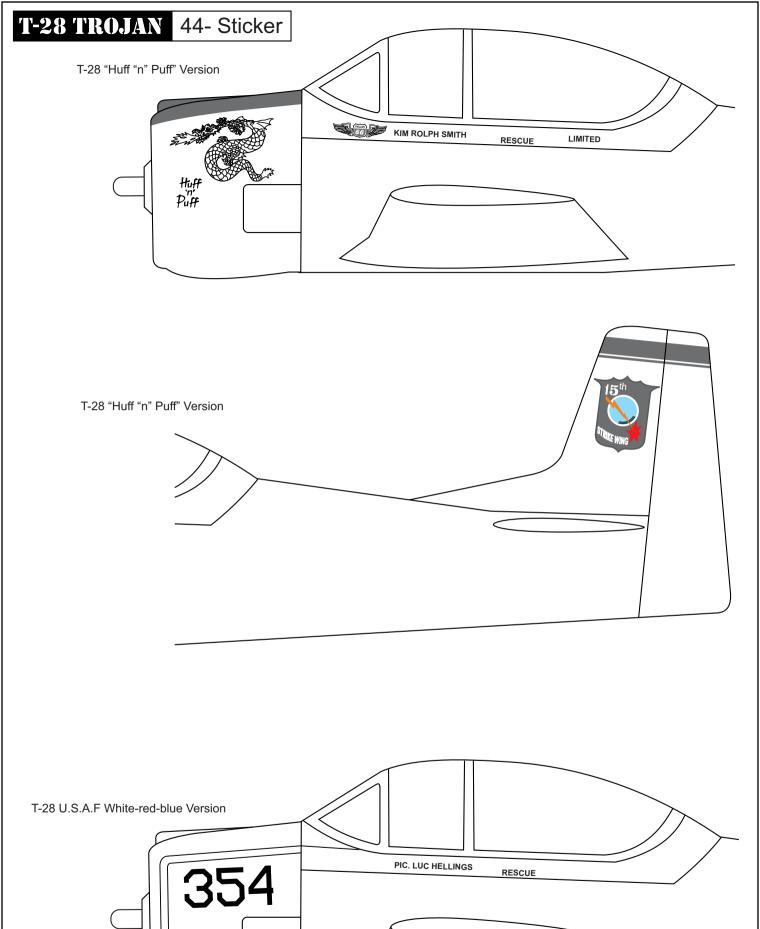




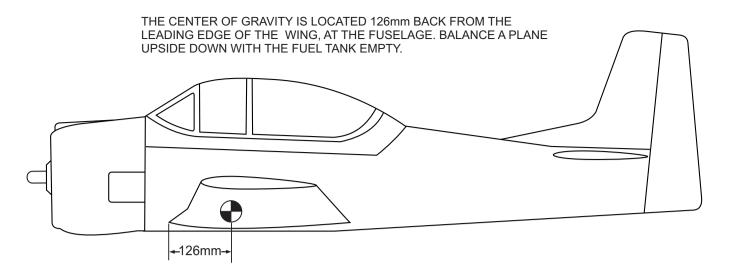








T-28 TROJAN 45- Balance



- 1- Mount the wing to the fuselage. Using a couple of pieces of masking tape, place them on the top side of the wing (126mm) back from the leading edge, at the fuselage sides.
- 2- Lift the airplane. Place your fingers on the masking tape and carefully lift the plane.
- 3- If the nose of the plane falls, the plane is heavy nose. To correct this, move the battery pack further back in the fuselage. If the tail of plane falls, the plane is tail heavy. To correct this, move the battery forward or if this is not possible, stick weight onto the firewall.

When balanced correctly, the airplane should level or slightly nose down when you lift it up with your fingers.

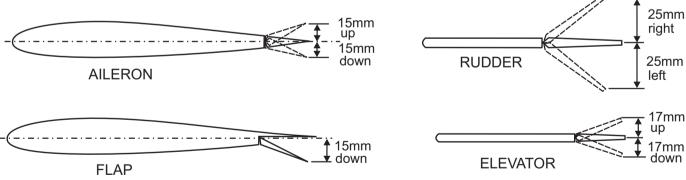
LATERAL BALANCE:

After you have balanced a plane on the CG, you should laterally balance it. Doing this will help the airplane track straighter.

- 1- Turn the airplane upside down. Attach one loop of heavy string to the engine crankshaft and one to the tail wheel wire. With the wing level, carefully lift the airplane by the string. This may require two people to make easier.
- 2- If one side of the wing fall, that side is heavier than the opposite. Add small amounts of lead weight to the bottom side of the lighter wing half's wing tip. Follow this procedure until the wing stays level when you lift the airplane.

DO NOT try to fly an out-of-balance model!

CONTROL SURFACE



IMPORTANT: Flying your model at these throws will provide you with the greatest chance for successful first flights. If, after you have become accustomed to the way the T-28 flies, you would like to change the throws to suit your taste that is fine. However, too much control throw could make the model difficult to control, so remember, "more is not always better".

LOW RATE

Aileron : 15mm up / down Elevator : 17mm up / down Rudder : 25mm right / left Flap : 40mm down

HIGH RATE

Aileron : 20mm up / down Elevator : 22mm up / down Rudder : 30mm right / left Flap : 50mm down

IMPORTANT: Please do not clean off the excess epoxy on the wing with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.