

F-35A installation manual



T-ONE
[HTTPS://WWW.T-ONEMODEL.COM/](https://www.t-onemodel.com/)

F-35A parameters

Dimensions and equipment parameters

Item		Detail
Scale		1: 5
Length		3.13m
Wingspan		2.14m
Dry weight		32kg
Fuel tank		6L
Landing gear		Electric landing gear
Power		32kg turbine engine
Servo	Surface servo	Standard servo 55kg 9pcs
	Canopy servo	Standard servo 55kg 1pcs
		Thin servo 8kg 1pcs
	Nose gear door servo	Thin servo 8kg 2pcs
	Main gear door servo	Standard servo 55kg 2pcs
		Thin servo 8kg 2pcs
	Missile door servo	Standard servo 55kg 4pcs

Flight parameters

Item	Data (mm)
Aileron	$\pm 14\text{mm}$
LE flap	6mm approach, 9mm land
Flap	16mm approach, 32mm land
Elevator	+55mm, -51mm
Rudder	$\pm 17\text{mm}$
CG	70mm
Aileron Expo	35%
Elevator Expo	35%
Rudder Expo	25%

The LE flaps should be mixed with flaperons in both the approach and landing configurations.

Tailerons mix 35% should be used for proper roll control/authority whenever flaps are used.

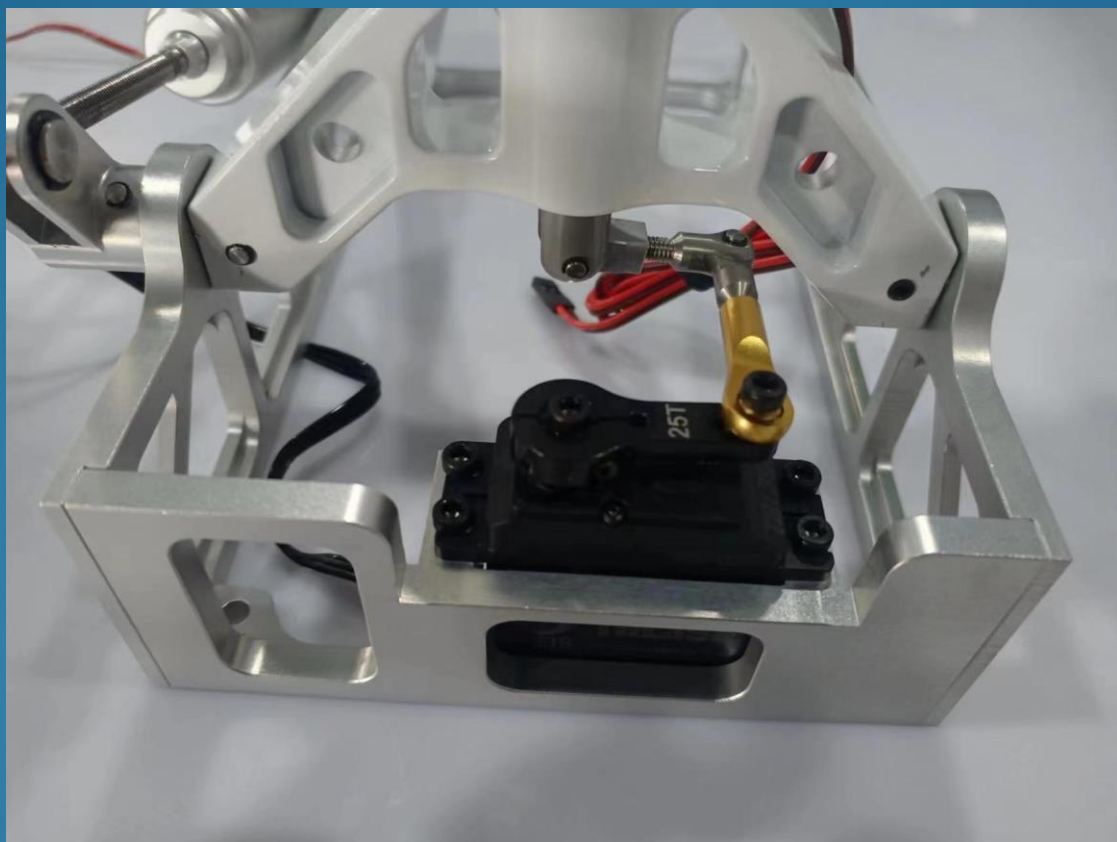
We suggest setting the gyro gain to a medium range during normal flight, and a high range during landing.

1. Steering servo installation



M3*8mm 4pcs
Servo tapping screw

M3*14mm 1pcs
M3 nut 1pcs
Ball linkage tapping screw



2. Aileron servo installation



"L" Servo mount 4pcs

3*10mm 8pcs
S/mount tapping screw

M3*8mm 8pcs
Servo tapping screw

2*10mm 8pcs
S/cover tapping screw

M3*14mm 1pcs
M3 nut 1pcs
Ball linkage tapping screw

Metal clamp 2pcs
Ball linkage 2pcs
3*50mm rod 2pcs



3. Leading edge servo installation



"T" Servo mount 4pcs

M3*8mm 8pcs
Servo tapping screw

2*10mm 8pcs
S/cover tapping screw

M3*14mm 2pcs
M3 nut 2pcs
Copper sleeve 2pcs
Servo drive module

3*10mm 8pcs
S/mount tapping screw



4. Elevator servo installation



"T" Servo mount 4pcs

Clevis 8pcs

M4*14mm 8pcs
Clamp tapping screw

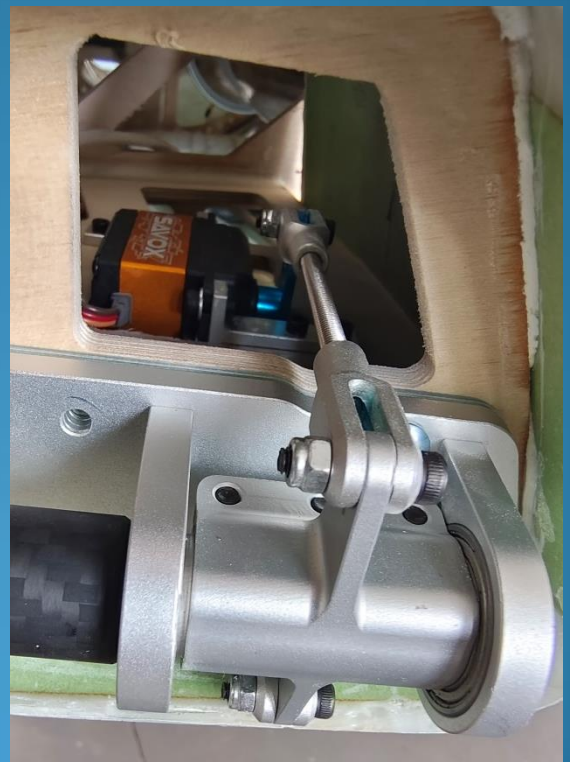
M3*14mm 8pcs
Clamp tapping screw

M3*8mm 8pcs
Servo tapping screw

3*10mm 8pcs
S/mount tapping screw

2*10mm 8pcs
S/cover tapping screw

4*65mm rod 2pcs



5. Rudder servo installation

Ball linkage 8pcs

Metal clamp 8pcs

Butterfly screw 2pcs
Vertical tapping screw

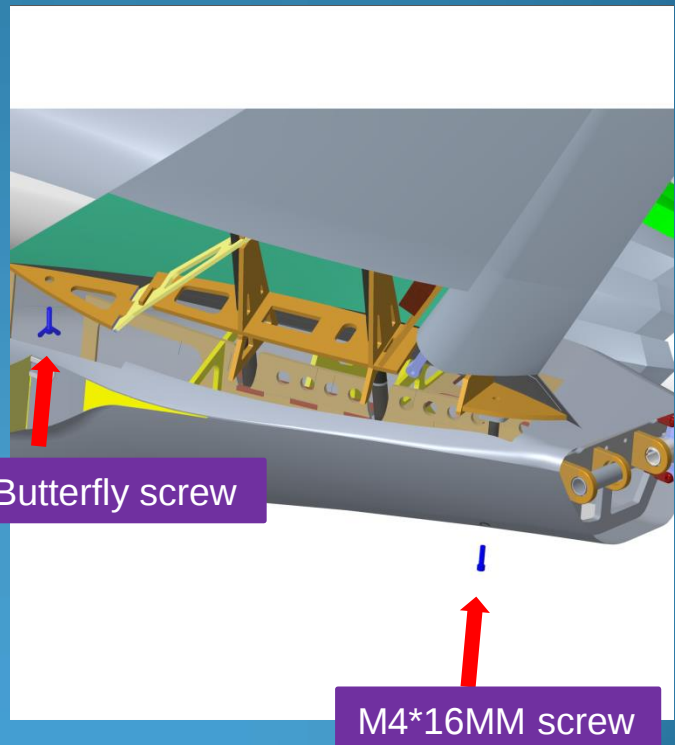
M4*16mm 2pcs
Vertical tapping screw

2*10mm 8pcs
S/cover tapping screw

M3*16mm 8pcs
Ball linkage tapping screw

4*25mm rudder arm rod 2pcs

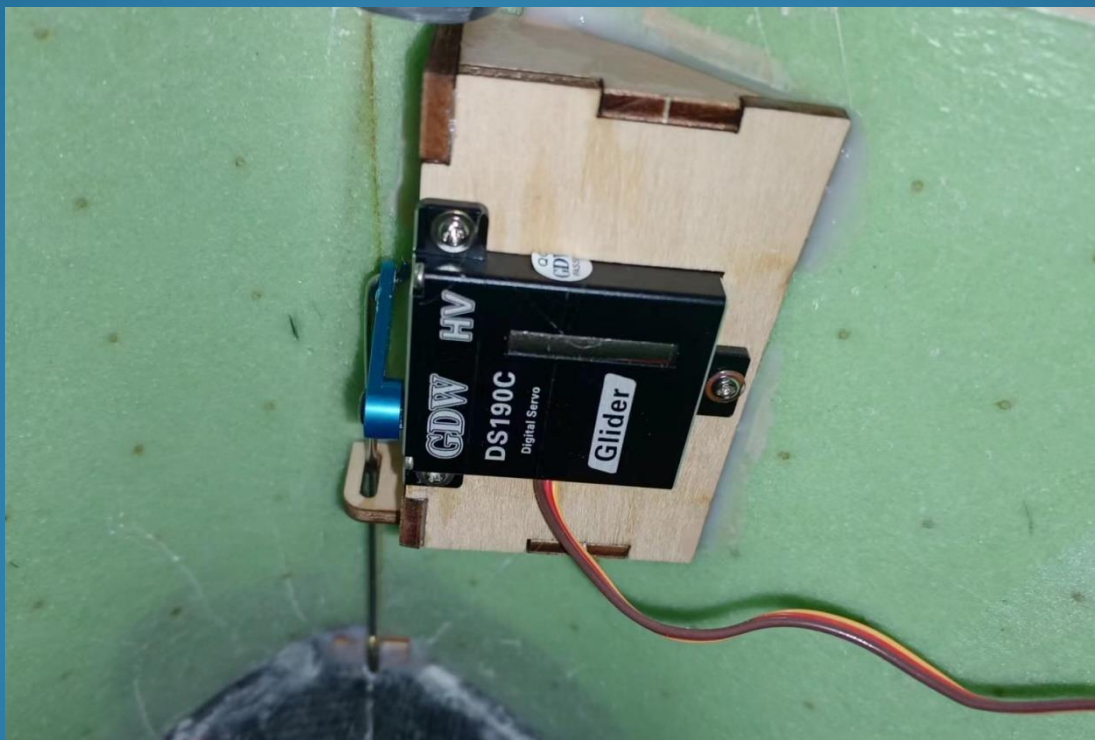
3*70mm rod 4pcs



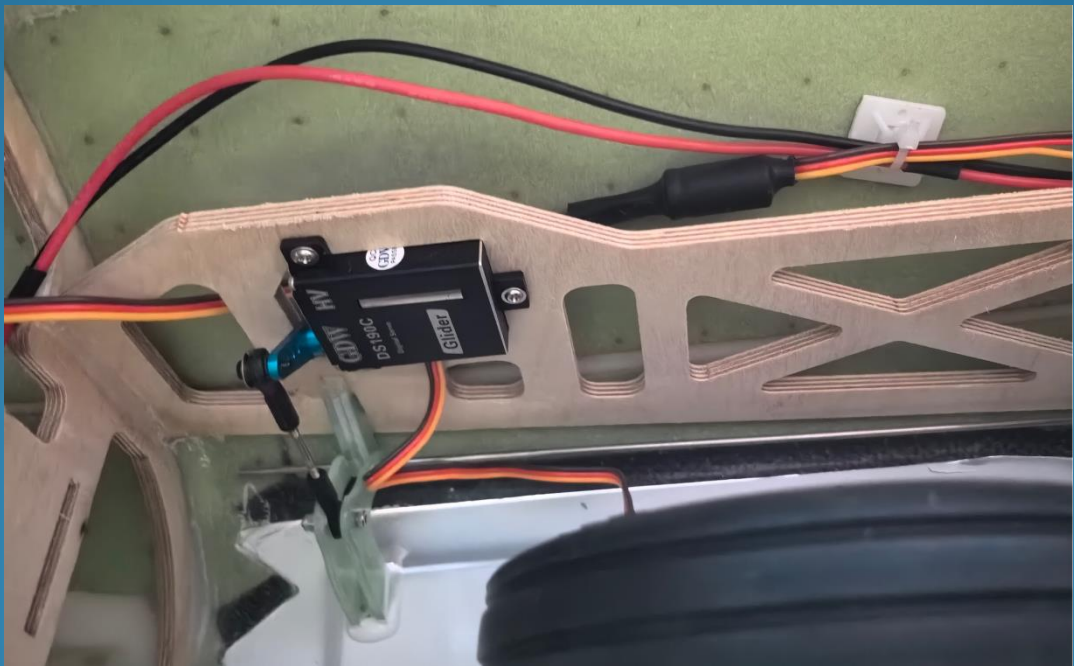
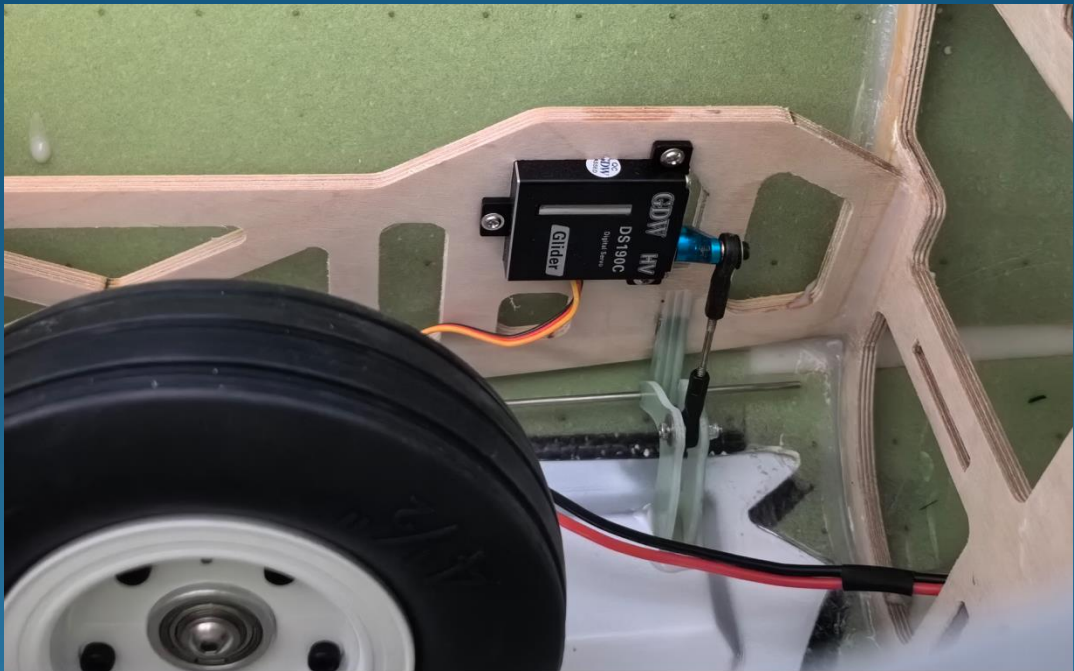
Butterfly screw

M4*16MM screw

6. Canopy servo installation



7. Nose gear door installation



8. Main gear door installation



9. Fuel tank Position



