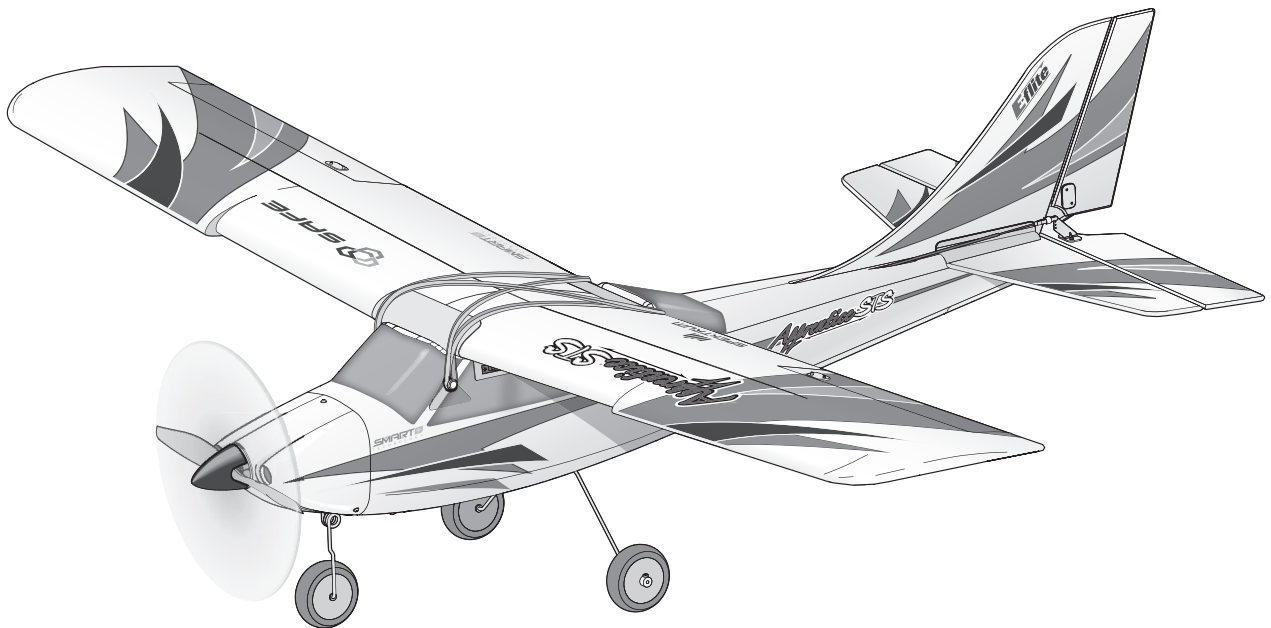


HORIZON[®]
H O B B Y

Eflite[®]
ADVANCING ELECTRIC FLIGHT

Apprentice[®] STS



Instruction Manual
Bedienungsanleitung
Manuel d'utilisation
Manuale di Istruzioni

SAFE[®] 

SAFE[®] Select Technology, Optional Flight Envelope Protection

SMART[™] 
TECHNOLOGY

Ready-To-Fly

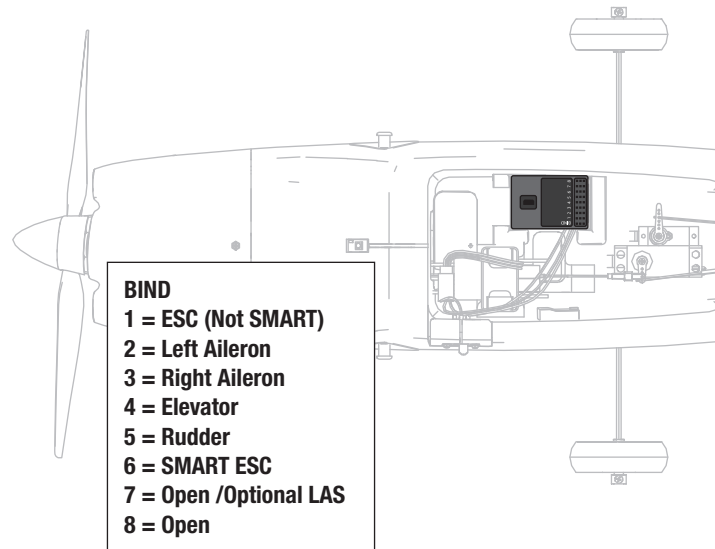
BNF[®]
BASIC

Service and Repairs

NOTICE: After any impact or replacement, always ensure the receiver is secure in the fuselage. If you replace the receiver, install the new receiver in the same orientation and manner as the original receiver or damage may result.

Thanks to the Z-Foam™ material in the wing and fuselage of this aircraft, repairs to the foam can be made using virtually any adhesive (hot glue, regular CA (cyanoacrylate adhesive), epoxy, etc). However, use only foam-compatible CA, foam-compatible accelerant or epoxy on the vertical and horizontal tail material.

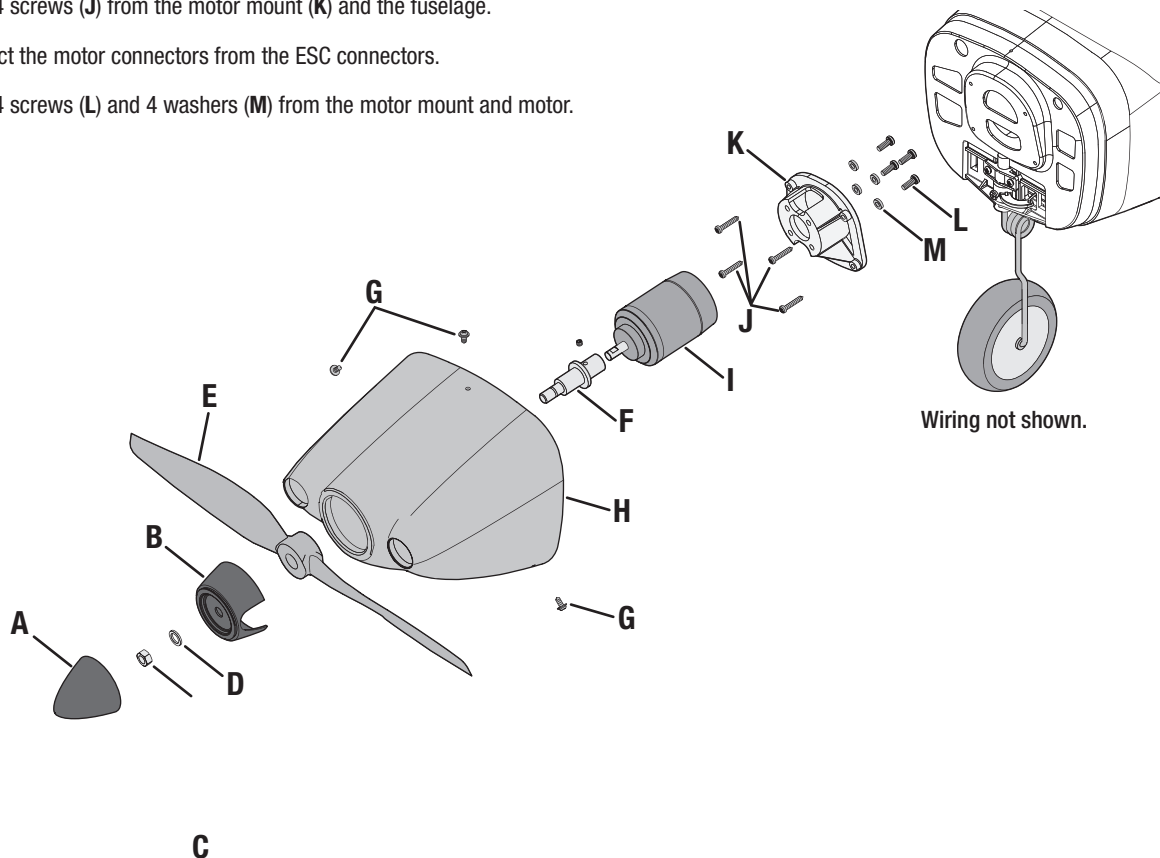
When parts are not repairable, see the Replacement Parts List for ordering by item number. For a listing of all replacement and optional parts, refer to the list at the back of this manual.



Propeller and Motor Service

Disassembly

1. Remove the spinner (A) from the backplate (B), by pinching the backplate and pulling the spinner away.
2. Remove the hex nut (C), washer (D) and propeller (E) from the collet (F). A tool may be required to remove the hex nut.
3. Carefully remove 3 screws (G) and the cowling (H) from the fuselage.
4. Remove the collet from the motor (I).
5. Remove 4 screws (J) from the motor mount (K) and the fuselage.
6. Disconnect the motor connectors from the ESC connectors.
7. Remove 4 screws (L) and 4 washers (M) from the motor mount and motor.



Assembly

Assemble in reverse order.

- Correctly align and connect the motor wire colors with the ESC wires.
- The propeller size numbers (11 x 8) must face out from the motor for correct propeller operation.
- A tool is required to tighten the hex nut on the collet.
- Ensure the spinner is fully connected to the spinner backplate for safe operation.

Replacement Parts

Part #	Description
EFL310005	Pushrod Set: Apprentice S
EFL310006	Nose Gear: Apprentice S
EFL310007	Main Landing Gear: Apprentice S
EFL310008	Firewall: Apprentice S
EFL310009	NGArm & MntingStp: Apprentice S
EFL310010	Battery Door: Apprentice S
EFL310011	Wheels 65mm (3): Apprentice S
EFL310013	Wing Set: Apprentice STS
EFL310014	Fuselage: Apprentice STS
EFL310015	Tail Set: Apprentice STS
EFL310016	Decal Set: Apprentice STS
EFL310017	LAS Cover: Apprentice STS
EFL310018	Cowl: Apprentice STS
EFL310020	GPS Cover: Apprentice STS
EFLA1030FB	30-Amp Pro Switch-Mode BEC Brushless ESC (V2)
EFLR7150	37g Standard Servo
EFLR7155	13g Digital Micro Servo
SPM4650C	SPM4650C DSMX SRXL2 Receiver w/Connector Installed
SPMA3230	Flight Control: Apprentice STS
SPMR1000	DXe Transmitter Only
SPMX32003S30	3200mah 3S 11.1V Smart 30C; IC3
SPMXC1020	S120 USB-C Smart Charger, 1x20W

Recommended Parts

Part #	Description
SPMR1000	DXe Transmitter Only
SPMR8000	DX8 Transmitter Only MD2
SPMR9910	DX9 Black Transmitter Only MD2
SPMX32003S30	3200mah 3S 11.1V Smart 30C; IC3
SPMXC1010	Smart S2100 AC Charger, 2X100W

Optional Parts

Part #	Description
EFLA111	LiPo Cell Voltage Checker
EFLA550	Float Set: 15-Size
EFLB32003S	3200mAh 3S 11.1V 20C LiPo, 13AWG EC3
SPM6716	Spektrum DSMR Transmitter Case
SPM6722	Spektrum Single Aircraft TX Case
SPMA3173	Spektrum GPS Module
SPMA3180	Landing Assist Sensor (LAS)
SPMR12000	iX12 12 Channel Transmitter Only
SPMR8000	DX8 Transmitter Only MD2
SPMR9910	DX9 Black Transmitter Only MD2
SPMX32003S30	3200mah 3S 11.1V Smart 30C; IC3
SPMXBC100	SMART Battery & Servo Tester
SPMXC1000	Smart S1200 DC Charger, 1x200W
SPMXC1010	Smart S2100 AC Charger, 2X100W
SPMXC10201	30A 540W Power Supply



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