

Fokker D.VII 30cc–60cc

Almost-Ready-To-Fly









HANGAR 9®



HORIZON®
H O B B Y

Instruction Manual
Bedienungsanleitung
Manuel d'utilisation
Manuale di Istruzioni

SPECIFICATIONS

	87.0 in (2209.8 mm)
 sq in	2430 sq in (156.8 dm ²) Total
	72 in (1828.8 mm)
	25–28 lbs (11.4–12.7 kg)
	2-Stroke Gas: 30cc–60cc
	Electric Power: 30cc-50cc Equivalent
	4-channel (or greater) with 6 servos
	7 ¹¹ / ₁₆ inches (195mm)

LARGE PARTS LAYOUT

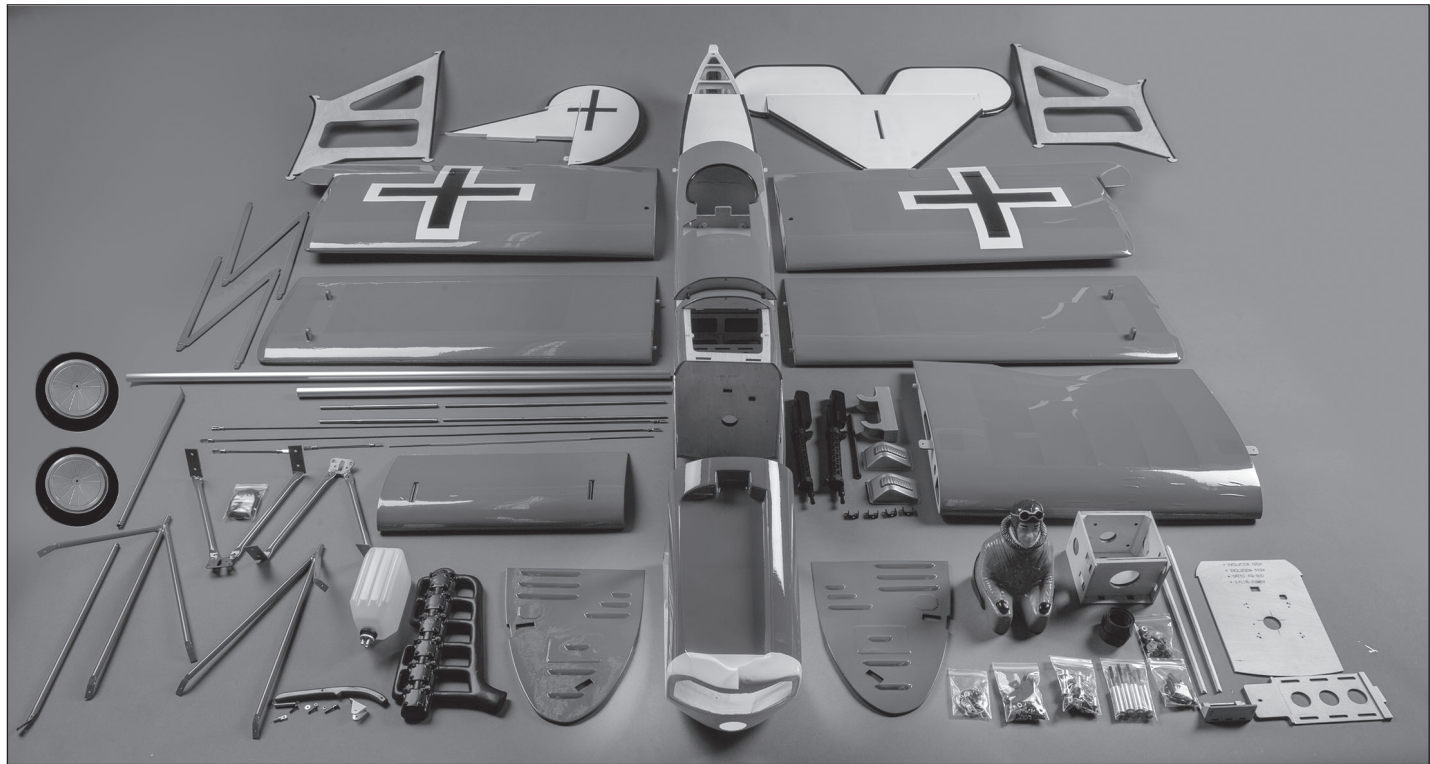


TABLE OF CONTENTS

Notice.....	2
Meaning of Special Language.....	2
Safety Warnings and Precautions.....	2
Safe Operating Recommendations.....	2
Before Starting Assembly.....	2
FAA Information.....	2
Specifications.....	3
Large Parts Layout.....	3
Replacement Parts.....	4
Optional Parts.....	4
Required Adhesives.....	4
Required for Completion, Gas Engine Installation.....	5
Required for Completion, Electric Motor Installation.....	5
Tools Required.....	6
Removing Wrinkles.....	6
Building Precautions.....	6
Transportation and Storage.....	6
Replacement Covering.....	6
Nose Weight.....	6
Checking Blind Nuts.....	6
Control Horn Installation.....	7
Aileron Servo Installation.....	10
Attach the Fin to the Stabilizer.....	12
Tail Skid Installation.....	14
Cockpit Detail Installation.....	15
Stabilizer and fin installation.....	17
Rudder and Elevator Servo Installation.....	19
Tail Bracing Installation.....	21
Landing Gear Installation.....	22
Electric Motor Installation.....	26
Gas Engine Installation.....	28
Cowling Installation.....	30
Receiver Installation.....	33
Wing Installation.....	34
Center of Gravity.....	35
Control Throws.....	36
Preflight Checklist.....	36
Daily Flight Checks.....	36
Limited Warranty.....	36
Warranty and Service Contact Information.....	37
Compliance Information for the European Union.....	37
Instructions for Disposal of WEEE by Users in the European Union.....	37
AMA National Model Aircraft Safety Code.....	38

REPLACEMENT PARTS

Part #	Description
HAN289001	Fuselage & Hatch
HAN289002	Top Hatch
HAN289003	Lower Wing, Left
HAN289004	Lower Wing, Right
HAN289005	Top Wing, Left
HAN289006	Top Wing, Right
HAN289007	Top Center, Wing
HAN289008	Horizontal Stabilizer & Elevator
HAN289009	Fin & Rudder
HAN289010	Cowling & Side Panels
HAN289011	Hardware
HAN289012	Metal Wing Strut Set
HAN289013	Scale Detail Set
HAN289014	Pushrod Set
HAN289015	1/4-Scale WWI Pilot Figure
HAN289016	Electric Motor Box
HAN289017	Tail Skid & hardware
HAN289018	8-inch WWI Wheels, Pair
HAN289019	Fuel Tank, 600cc
HAN289020	Metal U/C & Axle
HAN289021	Aluminum Wing Tubes
HAN289022	Decal Sheet
HAN289023	Lower U/C Wing
HAN289024	Wing Transport Cradle

OPTIONAL PARTS

Part #	Description
EVOA100	Optical Ignition Kill Switch
SPMAS3000	AS3000 AS3X Stabilization Module
SPMSA6320	A6320 H-T/H-S Brushless HV Servo
SPMSA6380	A6380 H-T/H-S Digital HV Servo

REQUIRED ADHESIVES

Description
15-minute epoxy
30-minute epoxy
Thin CA
Medium CA
Threadlock, low and high strength

REQUIRED FOR COMPLETION, GAS ENGINE INSTALLATION**Gas Powered Version, All**

# Required	Part #	Description
1	SPMAR12310T	AR12310T 12-Channel PowerSafe Telemetry Receiver
1	DUB800	Tygon Gas Tubing, 3' Large
2	EVOA112	Evolution 3 Wire Ignition/RX Switch
3	SPMB4000LPRX	4000mAh 2S 7.4V LiPo Rx Battery
1	HAN116	Fuel Filler with "T" & Overflow Fitting
2	SPM9530	Spektrum 3-Wire Switch Harness
2	SPMA3002	Heavy-Duty Servo Extension 9-inch
1	SPMA3006	Heavy-Duty Servo Extension 36-inch
6	SPMSA6380	A6380 H-T/H-S Digital HV Servo

Gas Powered Version, 30cc

# Required	Part #	Description
1	EVOE33GX	33GX 33cc (2.00) Gas/Petrol Eng
1	APC18080W	Competition Propeller, 18 x 8W

Gas Powered Version, 60cc

# Required	Part #	Description
1	EVOE62GX	62GX 62cc Gas/Petrol Engine
1	EVOM6	62cc Inverted Wraparound Muffler

REQUIRED FOR COMPLETION, ELECTRIC MOTOR INSTALLATION**Electric Powered Version, All**

# Required	Part #	Description
1	GPM2260	ElectriFly 160 Amp HV 6S-14S Prog B
2	SPMA3002	Heavy-Duty Servo Extension 9-inch
2	SPMA3006	Heavy-Duty Servo Extension 36-inch
5	SPMSA6380	A6380 H-T/H-S Digital HV Servo
1	CSEM1530	Castle Creations CC BEC 2.0 BEC WP Voltage Regulator
1	SPMAR9350	AR9350 9-Channel AS3X Receiver

Electric Powered Version, 30cc

# Required	Part #	Description
1	GPM4796	Rimfire 1.70 63-62-200 Outrunner
1	APC20010E	Electric Propeller, 20 x 10E
4	KXSB5000S30	F-Tek 5000mAh 5S 18.5V 30C, EC5

Electric Powered Version, 60cc

# Required	Part #	Description
1	GPM4805	Rimfire 65cc Outrunner
1		24 x 10
2	SPMX7000S30	22.2V 7000 mAh 6S 30C Smart LiPo, IC5

TOOLS REQUIRED

Description
Balancing stand
Clamps
Crimping tool
Drill and tap set, metric
Drill bit set
Epoxy brushes
Felt-tipped pen
Flat file
Hemostats
Hex wrench set, metric
Hobby knife with #11 blade
Hobby scissors
Hook and loop straps
Hook and loop tape
Isopropyl alcohol
Locking pliers
Low-tack tape
Mixing sticks
Needle nose pliers
Nut driver set, metric
Paper towels
Pencil
Phillips screwdriver: #0, #1, #2
Pin vise
Pliers
Razor saw
Rotary tool
Ruler
Sanding bar
Sanding drum for rotary tool
Sandpaper
Scissors
Side cutters
Square
Tap handle
Tapered reamer
Tie wraps
Toothpicks
T-pins
Vinal tape, red
Wire stripper

REMOVING WRINKLES

The covering of your model may develop wrinkles during shipping and will require the use of a heat gun (HAN100) and covering glove (HAN150) or covering iron (HAN101) with a sealing iron sock (HAN141) to remove them. Use caution while working around areas where the colors overlap to prevent separating the colors. Avoid using too much heat, which could separate the colors. Placing a cool damp cloth on adjacent colors will also help in preventing the separation of the colors while removing wrinkles.

BUILDING PRECAUTIONS

Prepare the work surface prior to beginning the build. The surface should be soft and free of any sharp objects. We recommend resting the airframe parts on a soft towel or pit mat to prevent scratching or denting the surface of the aircraft.

TRANSPORTATION AND STORAGE

When transporting and storing your model, you will need a minimum of 80 inches (2m) in length, and 18 inches (46cm) in height to accommodate the size of the fuselage. We also recommend the use of wing and stabilizer bags to help protect these surfaces during transport and storage. The control horns and linkages can cause damage to other surfaces even when placed in storage bags. Always transport and store the wings and stabilizer so the linkages do not contact other panels to prevent damage.

REPLACEMENT COVERING

Your model is covered with UltraCote® film in the following colors. If repairs are required, order these coverings to make those repairs.

White	HANU870
Black	HANU874
Red	HANU871

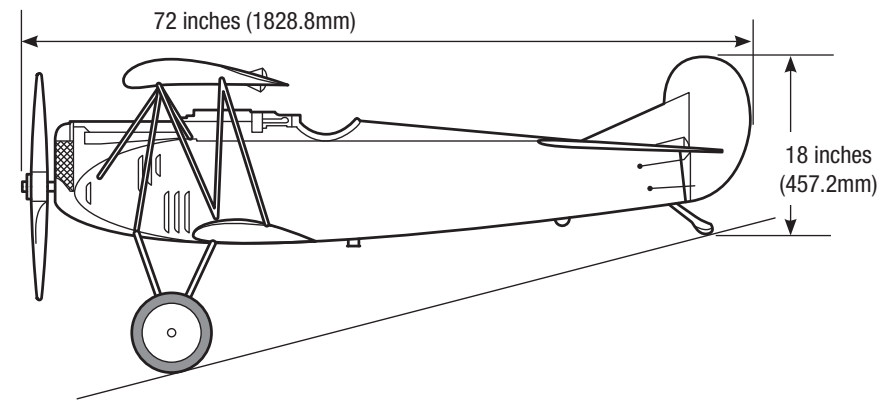
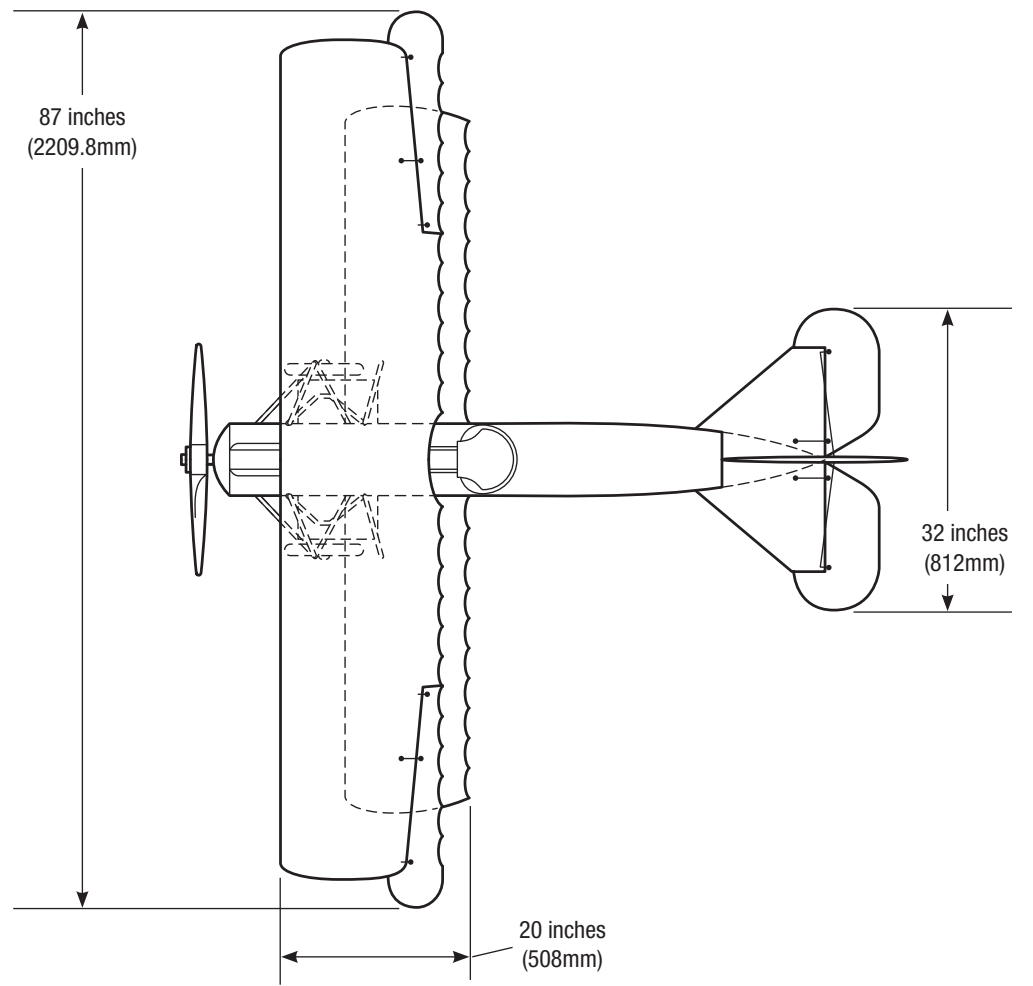
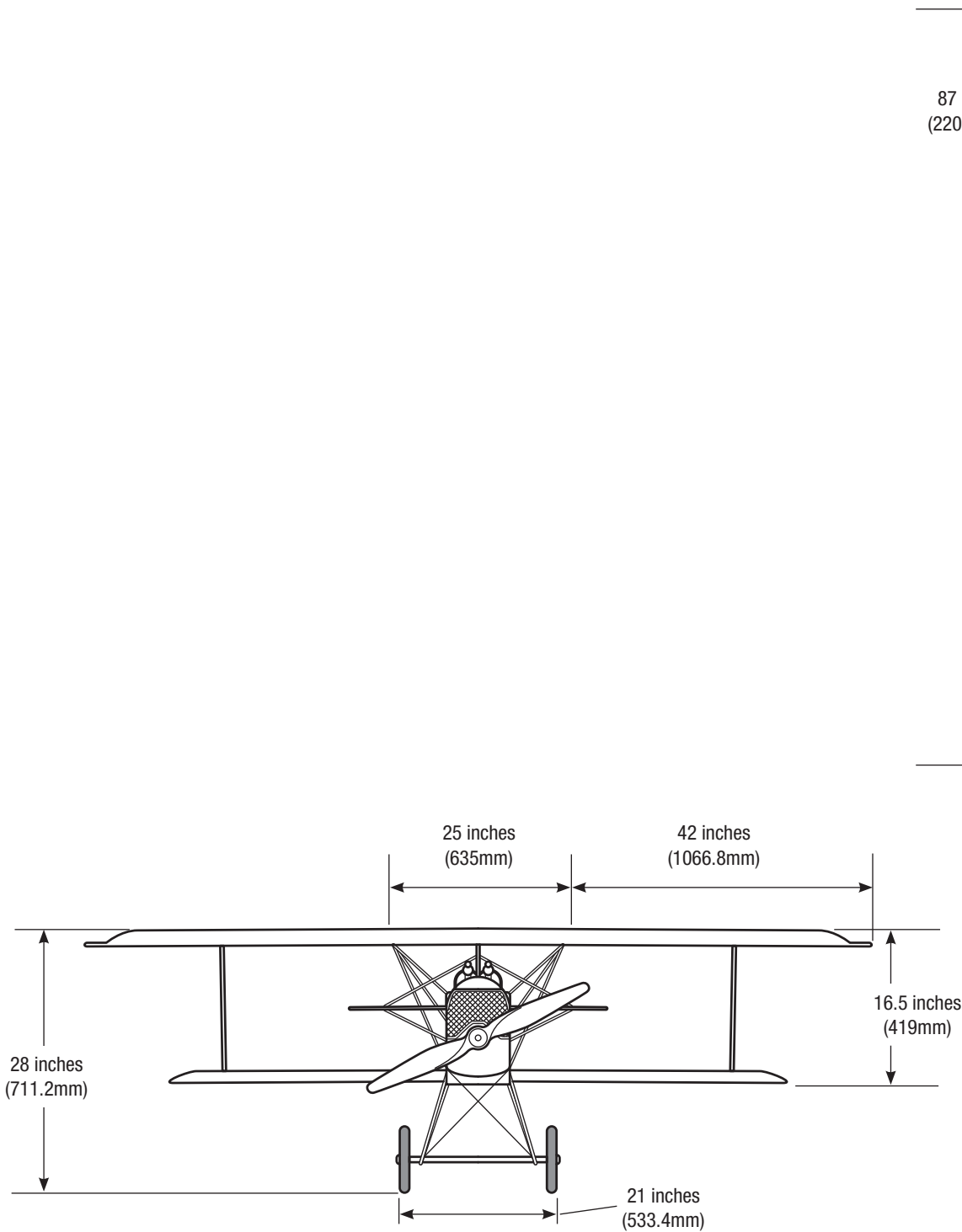
We have found the Testors Red Paint Marker (TES2503C) matched the red used on the Fokker D.VII and can be used for touch-up on all the painted parts.

NOSE WEIGHT

To maintain the scale outline of your model, it will require the addition of nose weight to properly balance. Testing has been performed on all power options. Using a heavier engine or motor will help in reducing the amount of weight required. Make sure to use proper throttle management when flying with these larger and more powerful options. Our test aircraft with the recommended Evolution® 62cc engine and muffler, and receiver and ignition batteries on either side of the fuel tank required 1½ lbs (680g) of nose weight. Using the Evolution 33GX may require the addition of up to 6 lbs (2.7kg) to properly balance your model. This may vary from plane to plane. Add this weight as far forward in the fuselage as possible to reduce the amount required to balance. This weight must be secure so it does not come loose in flight, causing an unsafe model which could result in the loss of the aircraft.

CHECKING BLIND NUTS

When building the aircraft, you will be required to thread machine screws into blind nuts. We recommend pre-threading the screws to make sure the blind nuts are clear of any debris. If the screws do not thread in easily, clear the threads using the appropriate tap and tap handle.





© 2019 Horizon Hobby, LLC.

Hangar 9, UltraCote, Evolution, Electrify, Rimfire and the Horizon Hobby logo are registered trademarks of Horizon Hobby, LLC.

The Spektrum trademark is used with permission of Bachmann Industries, Inc.

All other trademarks, service marks and logos are the property of their respective owners.

Created 01/19 55787 HAN2890