

DHC-3 Otter



The Otter was designed and built by De Havilland Canada. It was created to be capable of performing the same roles as the earlier and highly successful Beaver. The King Beaver, as the aircraft was originally going to be named, would be an overall larger aircraft. Where the Beaver was considered the 1/4 ton pickup of the skies, the Otter would be the one ton version. The Otter could be equipped with floats, landing gear with regular tires, tundra tires and skis. The Otter was first flown in December of 1951 with many of the first orders going to the US military. Canada Armed Forces also used the aircraft for many different roles. Today a good portion of the 466 units built are still flying in the roll they were originally built for, the ultimate bush plane.

The markings in this kit are from the 369th unit produced. Originally going to the Ontario Provincial Air Services (OPAS) in May of 1960 Registered as CF-ODU and based at Sault Ste. Marie, Ontario. In September 1972 the registered owner was changed to Province of Ontario, Ministry of Natural Resources, registration C-FODU. The Otter faithfully served the Province for 26 years, until an accident on 24th August 1986 ended its career. The Aircraft was recovered and remained in pieces until early 2000 when a full restoration was done to flying condition. The C-FODU now resides at the hangar that she started her long career at. The Canadian Bushplane Heritage Centre in Sault Ste. Marie, Ontario, Canada.

DHC-3 Otter

Length	41' 10"
Wingspan	58
Power	Pratt & Whitney R-1340-S1H1-G Wasp 9 cylinder air cooled radial engine rated at 600hp
Performance	160 mph
Numbers built	466

DHC-3 Otter



Wooden Semi Scale Model Kit

Easy build sandwich construction

No special tools required

PAINT NOT INCLUDED

1:66 Scale

FOR AGES 8 AND UP
SKILL LEVEL 2
Contains One Model Kit

OSBORN MODEL KITS
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KIT-6052

Building tips:

All parts will be a tight fit. If you find a part is too tight give it a bit of a sanding with 220 grit sandpaper. **DO NOT FORCE PARTS.** A hobby knife is suggested to cut the pieces from the part tree but most parts will break free easily. 220 grit sandpaper may be used to remove unwanted burn marks. A white glue may be used for assembly if desired. Any black substance that gets on your hands is non toxic and can be removed with soap and water.

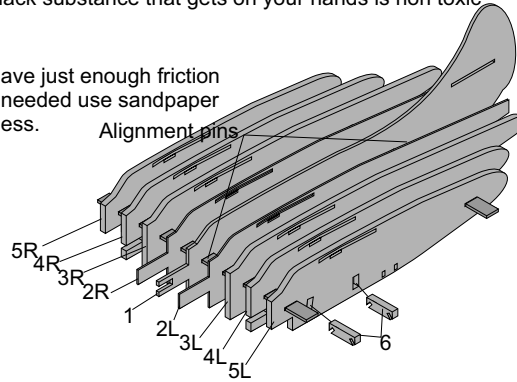
Note:

Alignment pins should have just enough friction to hold parts in place. If needed use sandpaper to remove a bit of thickness.

Step 1

Fuselage

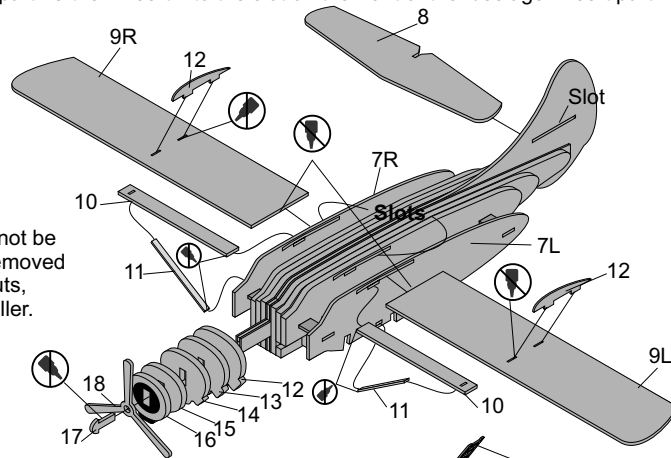
Slide alignment pins through alignment holes on part 1. Then stack parts 2L, 2R to 5L, 5R on to the alignment pins. Place part 6 cross block into body with slots facing down and centre them.



Step 2

Wings and engine cowling

Place parts 7L and 7R onto the alignment pins. Slide part 8 into slot on tail. Insert parts 9L and 9R into the slot on the upper part of the fuselage. Part 10 will go into the smaller slot under the wings. Place one end of part 11 into the rectangular slot on part 10. Place the other end into the rectangular slot on the bottom of fuselage. Slide parts 12, 13, 14, 15, and 16 onto the front of the fuselage. Insert part 17 through the hole in part 18 then insert into the slot on the front of the fuselage. Insert part 12 into the slots on the wings.



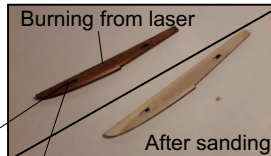
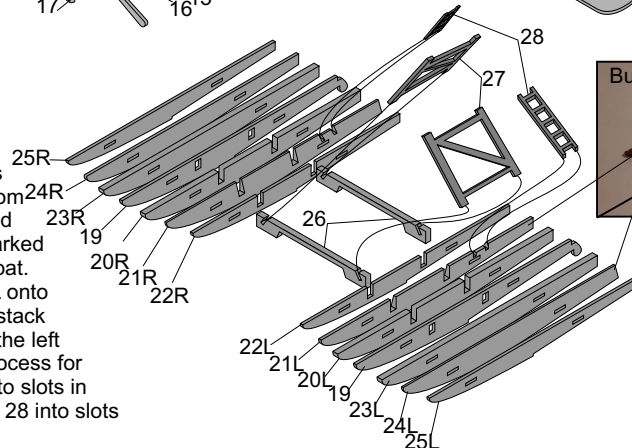
Note:

The following parts should not be glued as they need to be removed to apply decals. Wings, struts, vortex generator and propeller.

Step 3

Floats

Start by sliding alignment pins into part 19 "center of float" from 24R here you are building a left and right float. Select the parts marked with the "L" to make the left float. Stack part's 20L, 21L and 22L onto the right side of part 19, next stack part's 23L, 24L and 25L onto the left side of part 19. Repeat the process for the right float. Slide part 26 into slots in floats then place parts 27 and 28 into slots on part 26.



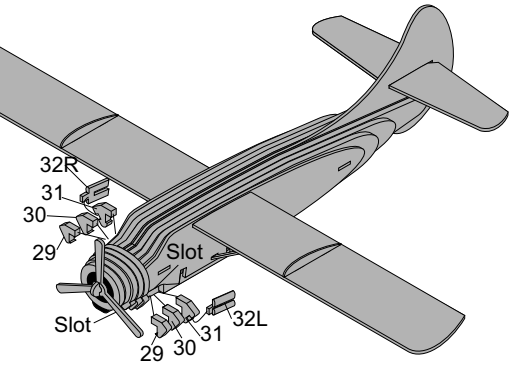
Note:

Parts 21L/R and 24L/R need to be sanded. Sand till you remove all the burn mark left by the laser. This will give the one side a taper.

Step 4

Finale assembly

Place parts 29, 30 and 31 into the slot just behind the engine cowl. Insert part 32 into the notch on part 31

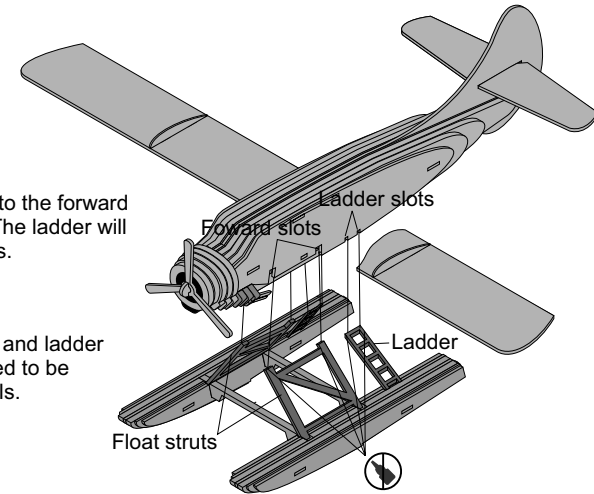


Step 5

Insert the float struts into the forward slots on the fuselage. The ladder will go into the smaller slots.

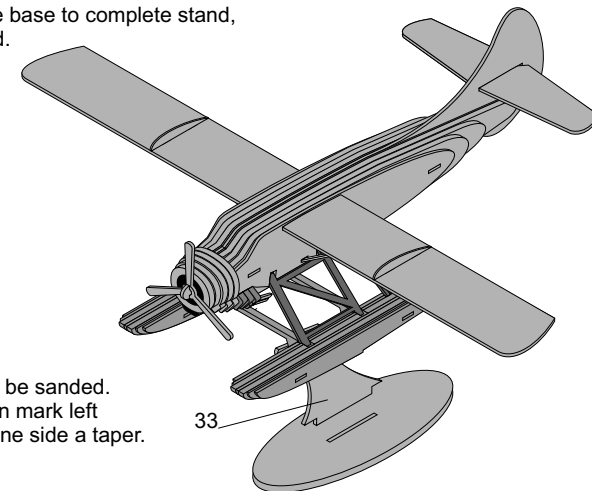
Note:

Do not glue float struts and ladder to fuselage as they need to be removed to apply decals.

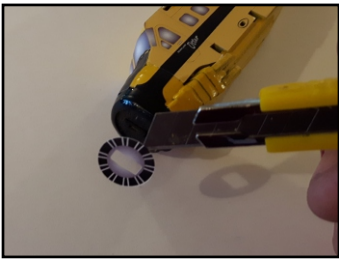


Step 6

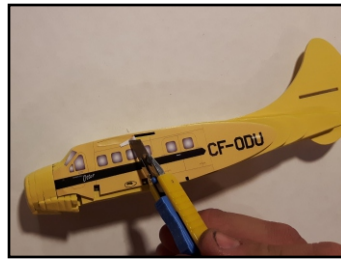
Place part 33 into the base to complete stand, place model on stand.



Completed model ready for paint and decals. Please see separate sheet for paint and decal instructions.



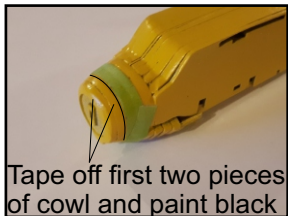
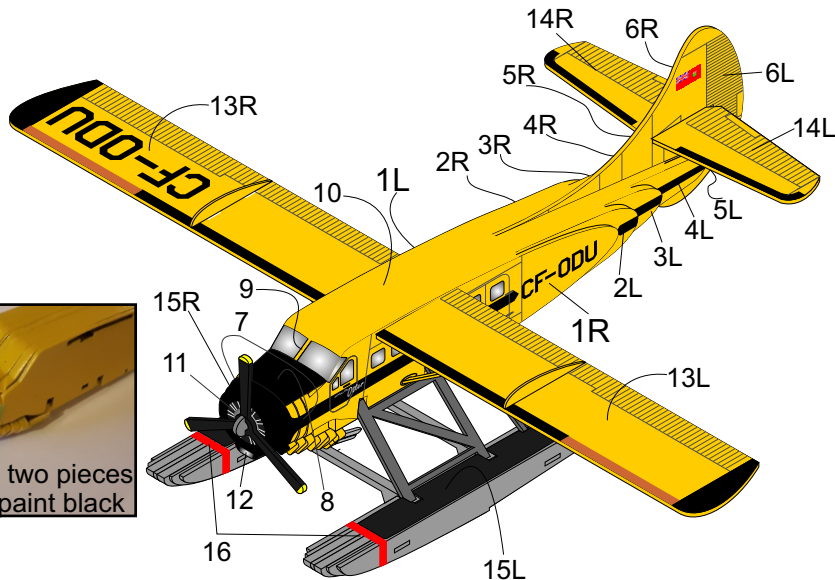
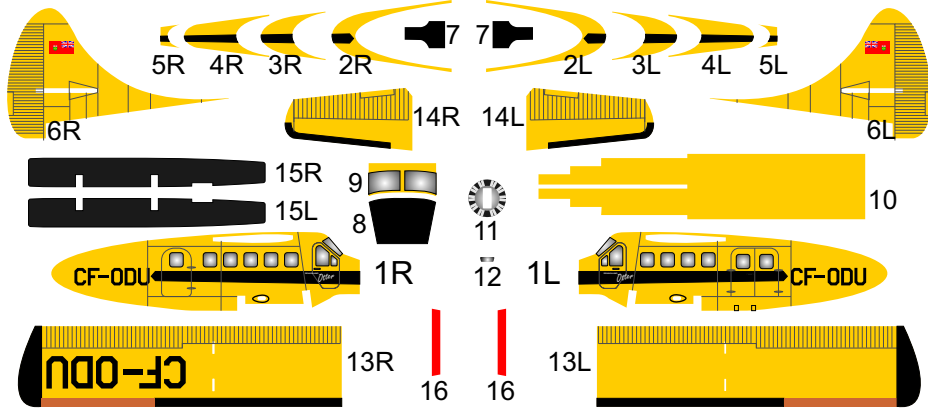
For small decals you may use a utility knife to remove them from the backing and place in position.



Remove any vinyl that may be covering slots with a utility knife

Decals should be placed into position in numerical order. You will need to remove the wings, vortex generator, wing struts, floats and propeller to apply some of the decals.

Take your time.



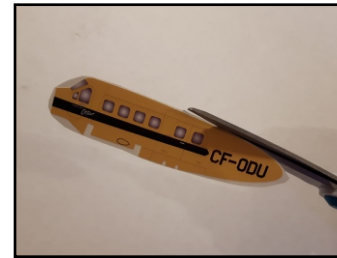
Tape off first two pieces of cowl and paint black

Applying decals

Tools needed to apply decals

- Scissors
- Utility knife

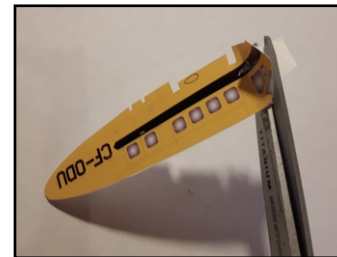
Make sure your hands are clean before applying decals. Avoid contact with the adhesive as this can cause the decal to lose some of its adhesion. Decals will adhere better to a smooth clean surface so we do recommend painting your model for best results.



Cut out each decal as close to the edge as possible. Only cut out decals as needed.

Note:

Paint entire aircraft yellow before applying decals.



For the large decals, remove about a 1/4" of the backing and cut off with scissors.



Place the exposed section on the surface making sure that your decal is properly aligned on the part.



Slowly remove the backing making sure the decal is staying aligned on the surface.

Colour Scheme of DHC-3 Otter

Suggested colours by Testors Model Paints

1 Yellow 1114

Fuselage
Wings
Wing struts
Propeller tips

2 Black 1147

Wingtips
Leading edge of wings
Propeller

3 Red 1103

Leading edge of front wing

4 Aluminum 1181

Spinner
Floats
Float struts and ladders
Exhaust pipes

Note:

Model should be painted Yellow.
Paint the first two pieces of the
cowl black before adding decals.

