

PILOT ACE-20L PARTS LIST

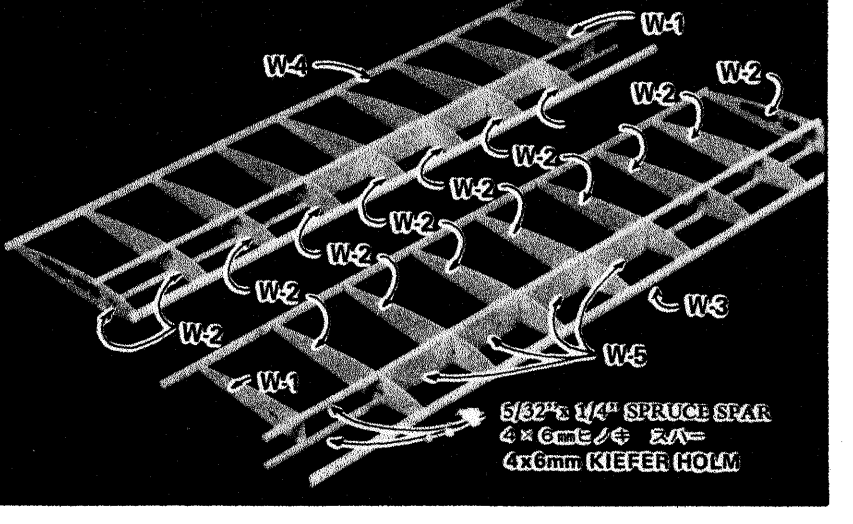
F-1	1/8" Balsa Side Panel	2
F-2	1/8" Plywood Doubler	2
F-3	1/8" Plywood Bulkhead	1
F-4	1/8" Plywood Bulkhead	1
F-5	1/8" Plywood Bulkhead	1
F-6	1/8" Plywood Bulkhead	1
F-7	1/8" Plywood Bulkhead	1
F-8	1/8" Plywood Bulkhead	1
F-9	1/8" Plywood Bulkhead	1
F-10	1/8" Plywood Bulkhead	1
F-11	1/8" Plywood Bulkhead	1
F-12	1/8" Plywood Bulkhead	1
F-13	3/8" Tapered Balsa	1
F-14	1/8" Plywood Bulkhead	1
F-15	1/8" Plywood Bulkhead	1
F-16	1/8" Plywood Bulkhead	1
F-17	1/8" Plywood Bulkhead	1
F-18	1/8" Plywood Bulkhead	1
F-19	3/32" Balsa	1
F-20	3/16" Balsa	1
R-1	3/16" Balsa V. Stabilizer	1
R-2	3/16" Balsa V. Stabilizer	1
R-3	3/16" Balsa Rudder	1
S-1	1/4" Balsa H. Stabilizer T.E.	1
S-2	1/4" Balsa H. Stabilizer	1
S-3	1/4" Balsa H. Stabilizer	1
S-4	1/4" Balsa H. Stabilizer L.E.	1
S-5	1/38" Tapered Balsa Elevator	1
W-1	3/32" Balsa Rib	16
W-2	3/16" Tapered Balsa L.E.	16
W-3	3/16" Tapered Balsa T.E.	16
W-4	3/16" Tapered Balsa T.E.	16
W-5	1/16" Balsa Spar Web	8
W-6	1/4" Balsa Joiner	1
W-7	1/8" Plywood Joiner	1
W-8	1/8" Plywood Joiner	1
W-9	3/32" Balsa Rib	2
W-10	3/32" Balsa Center Rib	2
W-11	3/32" Balsa Center Rib	2
W-12	1/8" Plywood	4
W-13	3/16" Balsa Wing Tip	2
W-14	3/8" Tapered Balsa Aileron	2
W-15	1" Tapered Balsa Aileron	1
W-16	1/8" Plywood Servo Mount	1
W-17	1/8" Plywood Servo Mount	1
W-18	1/8" Plywood Servo Mount	1
W-19	1/8" Plywood	4
W-20	1/4" Hardwood Gear Mount	2
W-21	3/8" Hardwood	2
W-22	3/8" Hardwood	2
W-23	3/8" Hardwood	2
W-24	3/8" Hardwood	2
W-25	3/8" Hardwood	2
W-26	3/8" Hardwood	2
W-27	3/8" Hardwood	2
W-28	3/8" Hardwood	2
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W-96	3/8" Hardwood	2
W-97	3/8" Hardwood	2
W-98	3/8" Hardwood	2
W-99	3/8" Hardwood	2
W-100	3/8" Hardwood	2

PILOT ACE-20L STÜCKLISTE

F-1	1/8" Balsa Seitenteil	2x
F-2	1/8" Balsa Seitenteil	2x
F-3	3mm Sperrholz Verstärkung	2x
F-4	3mm Balsa Verstärkung	2x
F-5	3mm Balsa Kopfspann	1x
F-6	3mm Balsa Kopfspann	1x
F-7	3mm Balsa Kopfspann	1x
F-8	3mm Balsa Kopfspann	1x
F-9	3mm Balsa Kopfspann	1x
F-10	3mm Balsa Kopfspann	1x
F-11	3mm Balsa Kopfspann	1x
F-12	3mm Balsa Kopfspann	1x
F-13	10mm Balsa Formteil	1x
F-14	3mm Sperrholz Servobrett	1x
F-15	3mm Sperrholz Spant	1x
F-16	3mm Sperrholz Spant	1x
F-17	3mm Sperrholz Spant	1x
F-18	3mm Sperrholz Spant	1x
F-19	3mm Balsa	1x
F-20	3mm Balsa	1x
R-1	5mm Balsa Seitenleitwerk	1x
R-2	5mm Balsa Seitenleitwerk	1x
R-3	5mm Balsa Seitenleitwerk	1x
S-1	6mm Balsa Höhenleitwerk	1x
S-2	6mm Balsa Höhenleitwerk	1x
S-3	6mm Balsa Höhenleitwerk	2x
S-4	6mm Balsa Höhenleitwerk	2x
S-5	35mm Balsa Höhenrudder	1x
W-1	2mm Balsa Rippe	16x
W-2	2mm Balsa Rippe	16x
W-3	5mm Balsa Nasenleiste	2x
W-4	5mm Balsa Endleiste	2x
W-5	1.5mm Balsa Holzverstärkung	8x
W-6	6mm Balsa	1x
W-7	3mm Sperrholz	1x
W-8	3mm Sperrholz	1x
W-9	2mm Balsa Rippe	2x
W-10	2mm Balsa Mittelrippe	2x
W-11	2mm Balsa Mittelrippe	2x
W-12	3mm Sperrholz	2x
W-13	5mm Balsa Randbogen	2x
W-14	10mm Hartholz	2x
W-15	25mm Balsa Querruderleiste	2x
W-16	3mm Sperrholz Servobrett	1x
W-17	3mm Sperrholz Servobrett	1x
W-18	3mm Sperrholz Servobrett	1x
W-19	3mm Sperrholz	4x
W-20	6mm Hartholz	2x
W-21	10mm Hartholz	2x
W-22	10mm Hartholz	2x
W-23	10mm Hartholz	2x
W-24	10mm Hartholz	2x
W-25	10mm Hartholz	2x
W-26	10mm Hartholz	2x
W-27	10mm Hartholz	2x
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W-98	10mm Hartholz	2x
W-99	10mm Hartholz	2x
W-100	10mm Hartholz	2x

PILOT ACE-20L PARTS LIST

W-1	3/32" Balsa Rib	16
W-2	3/16" Tapered Balsa L.E.	16
W-3	3/16" Tapered Balsa T.E.	16
W-4	3/16" Tapered Balsa T.E.	16
W-5	1/16" Balsa Spar Web	8
W-6	1/4" Balsa Joiner	1
W-7	1/8" Plywood Joiner	1
W-8	1/8" Plywood Joiner	1
W-9	3/32" Balsa Rib	2
W-10	3/32" Balsa Center Rib	2
W-11	3/32" Balsa Center Rib	2
W-12	1/8" Plywood	4
W-13	3/16" Balsa Wing Tip	2
W-14	3/8" Tapered Balsa Aileron	2
W-15	1" Tapered Balsa Aileron	1
W-16	1/8" Plywood Servo Mount	1
W-17	1/8" Plywood Servo Mount	1
W-18	1/8" Plywood Servo Mount	1
W-19	1/8" Plywood	4
W-20	1/4" Hardwood Gear Mount	2
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W-100	3/8" Hardwood	2



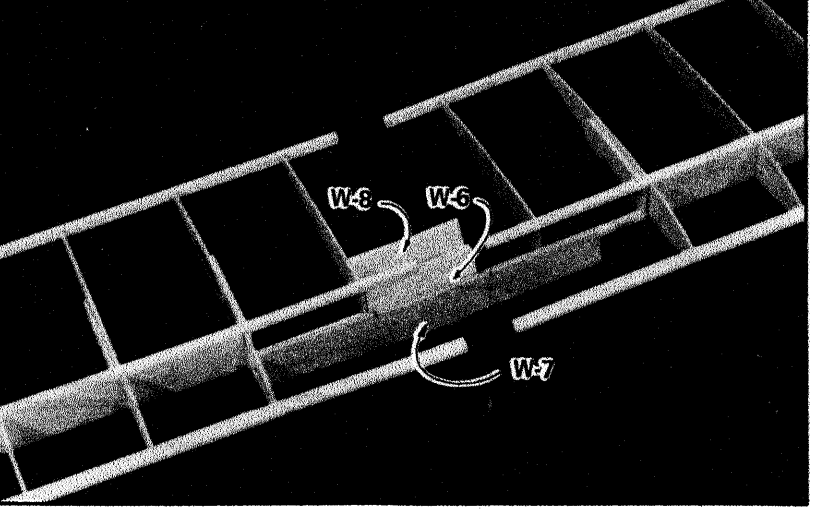
Wing Construction

1) Construct the wing frames with ribs W-1 and W-2 (right and left wing), two 5/32" x 1/4" spruce spar, leading edge W-3 and trailing edge W-4. Insert the four spar webbing W-5 into the place.

2) Joint two wing halves with spar joiners W-6 through W-8. Before gluing, trimming to fit if necessary. Use epoxy glue in this stage.

3) Install the center ribs W-9 through W-11 and corner reinforcement W-12 into the center of the wing.

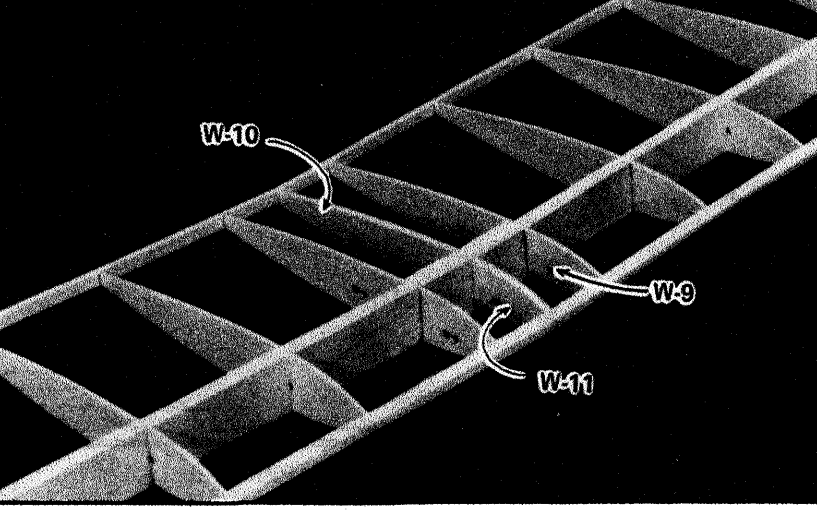
4) Plank top and bottom of L.E. and T.E. with 1/16" balsa sheet. Use pins to force the sheeting tightly against the ribs, spars and leading edge.



5) Plank top of the center wing with 1/16" balsa sheets. Epoxy main gear mount W-19 through W-21 into the position.

6) Attach the aileron control horn to the aileron and install the ailerons to the wing with hinges. Glue W-14 to the center of trailing edge with epoxy. Glue 3/32" balsa cap strips onto the ribs.

7) Follow the hole of aileron servo tray and then glue W-16 through W-18 into the position. Round the leading edge with balsa plane and then smooth entire wing with sandpaper. Trim and sand the L.E. and T.E. plankings flush with wing tip W-2 and then glue wing tip W-13. Plastic wing tip must be glue after covering.



8) Plank the ribs with 1/16" balsa sheet. Use pins to force the sheeting tightly against the ribs, spars and leading edge.

9) Plank the ribs with 1/16" balsa sheet. Use pins to force the sheeting tightly against the ribs, spars and leading edge.

10) Plank the ribs with 1/16" balsa sheet. Use pins to force the sheeting tightly against the ribs, spars and leading edge.

