# Appendix D: REACTION 54 COMPLETE PARTS LIST

Some parts may be stuck together with a spray adhesive used in manufacturing. They should be easy to pry apart. Sand them lightly to remove residue.

	BALSA STICKS				FUSELAGE PARTS BAG		
4	3/32 x 3/8 x 36	Balsa	Capstrips, Wiring Rack	2	5/16 x 2-1/2 x 2-1/2	Balsa	Servo Mount Braces (big triangles)
4	3/16 x 3/8 x 36	Balsa	Trailing Edge Spars	2	1/8 x 1-5/8 x 2-3/4	Lite-Ply	D-1 Receiver Shelf Positioner
3	5/16 x 5/16 x 36	Balsa	Longerons, Rudder Caps, Braces	2	1/8 x 2-1/4 x 3-5/8	Lite-Ply	D-2 ECU Shelf Positioner
1	5/16 x 1/2 x 36	Balsa	Fin Posts, Temporary Braces	1	1/8 x 2 x 3-1/2	Lite-Ply	H-2 Hatch Bulkhead
1	1/4 x 1 x 36	Balsa	Wiring Rack, Tank Rails, Tube Guides	1	1/8 x 1-5/8 x 2-1/2	Lite-Ply	F-1
1	3/8 x 3/8 x 36	Balsa	Stabilizer Leading Edge	1	1/8 x 4-1/2 x 6-7/8	Lite-Ply	F-3 & H-3 (to be separated by builder)
2	3/8 x 3/8 x 36	Balsa	Shaped Leading Edges	1	1/8 x 5 x 8	Lite-Ply	F-4 & H-4 (to be separated by builder)
2	1/2 x 9/16 x 24	Balsa	Shaped Trailing Edges - Outboard	1	1/8 x 5 x 8-3/8	Lite-Ply	F-5
2	1/2 x 11/16 x 24	Balsa	Shaped Trailing Edges - Inboard	2	1/8 x 1-3/4 x 5	Lite-Ply	F-5D (doublers for F-5)
4	1/2 Triangle x 36	Balsa	Corner Reinforcements	1	1/8 x 5 x 5-1/2	Lite-Ply	F-6
2	1/2 Triangle x 36	Balsa	Corner Reinforcements (trimmed edge)	1	1/8 x 1-1/2 x 4-3/8	Lite-Ply	F-7 Front Turbine Mount Bulkhead
1	3/4 Triangle x 18	Balsa	Landing Gear Mount Reinforcements	1	1/8 x 1-1/2 x 3-7/8	Lite-Ply	F-8 Rear Turbine Mount Bulkead
				1	1/8 x 2-1/2 x 4-3/4	Lite-Ply	Servo Mount
	HARDWOOD S	STICKS		1	1/8 x 2-1/2 x 3	Lite-Ply	Servo Mount Doubler
2	1/8 x 3/8 x 12	Lite-Ply	Reinforcements	2	1/8 x 2 x 3	Lite-Ply	Hatch Tongues
2	1/4 x 3/8 x 12	Bass	Servo Rails, Rear Hatch Rails, J-Bolt Pads	1	1/8 x 3-3/4 x 4-1/4	Lite-Ply	Receiver Shelf
4	1/4 x 1/2 x 36	Spruce	Top Main Spar, Top & Bottom Stub Spar	1	1/8 x 3-7/8 x 4-3/4	Lite-Ply	ECU Shelf
2	1/4 x 1/2 x 36	Spruce	Bottom Main Spar (beveled edge)	1	1/8 x 5 x 8-7/8	Lite-Ply	Tank Compartment Top
2	1/4 x 1/2 x 12	Spruce	Top Main Spar Doubler	1	1/32 x 1/2 x 1	AC Ply	Rear Hatch Tab
2	1/4 x 1/2 x 12	Spruce	Bottom Main Spar Doubler (beveled edge)	1	3/32 x 4-1/4 x 5	AC Ply	Turbine Mount
				2	3/16 x 5/8 x 1-1/4	AC Ply	Latch Retainers (grooved edge)
	BALSA SHEET	s		1	3/16 x 1-1/2 x 4	AC Ply	Turbine Mount Doubler
6	<b>BALSA SHEET</b> 3/32 x 3 x 36	<b>'S</b> Balsa	Trailing Edge Sheeting, Shear Webs	1 1	3/16 x 1-1/2 x 4 1/4 x 1/2 x 3	AC Ply	Turbine Mount Doubler H-1 Front Hatch Bulkhead
6			Trailing Edge Sheeting, Shear Webs Wingtip Sheeting, Fuselage Sheeting			•	
	3/32 x 3 x 36	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting	1	1/4 x 1/2 x 3	AC Ply	H-1 Front Hatch Bulkhead
6	3/32 x 3 x 36 3/32 x 4 x 7-1/2	Balsa Balsa	Wingtip Sheeting, Fuselage Sheeting	1	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2	AC Ply AC Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount
6 18	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36	Balsa Balsa Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting	1 1 1	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8	AC Ply AC Ply AC Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount
6 18 4	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS	Balsa Balsa Balsa Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting	1 1 1	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2	AC Ply AC Ply AC Ply Poplar Poplar	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp
6 18 4	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 <b>WING RIBS</b> 3/32 x 20-1/4	Balsa Balsa Balsa Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting W-1 Wing Rib	1 1 1	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2	AC Ply AC Ply AC Ply Poplar Poplar	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge
6 18 4	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 <b>WING RIBS</b> 3/32 x 20-1/4 3/32 x 19-3/4	Balsa Balsa Balsa Balsa Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting W-1 Wing Rib W-2 Wing Rib	1 1 1	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS II 3/8 x 1-1/4 x 3	AC Ply AC Ply AC Ply Poplar Poplar BAG Balsa	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides
6 18 4	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 <b>WING RIBS</b> 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19	Balsa Balsa Balsa Balsa Balsa Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib	1 1 1 1	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2	AC Ply AC Ply AC Ply Poplar Poplar BAG Balsa Lite-Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors
6 18 4 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 18-1/2	Balsa Balsa Balsa Balsa Balsa Balsa Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib	1 1 1 1 1 2 4	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-1/4 x 5-1/2	AC Ply AC Ply AC Ply Poplar Poplar BAG Balsa Lite-Ply Lite-Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers
6 18 4 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 18-1/2 3/32 x 17-3/4	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib	1 1 1 1 1 2 4 2	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-1/4 x 5-1/2 1/8 x 2-3/4 x 3-1/2	AC Ply AC Ply AC Ply Poplar Poplar BAG Balsa Lite-Ply Lite-Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib)
6 18 4 2 2 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 <b>WING RIBS</b> 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 18-1/2 3/32 x 17-3/4 3/32 x 17	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib W-6 Wing Rib	1 1 1 1 1 2 4 2 2	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-1/4 x 5-1/2 1/8 x 2-3/4 x 3-1/2 1/8 x 2-3/8 x 3	AC Ply AC Ply AC Ply Poplar Poplar BAG Balsa Lite-Ply Lite-Ply Lite-Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib) Flap Servo Mounts
6 18 4 2 2 2 2 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 18-1/2 3/32 x 17-3/4 3/32 x 17 3/32 x 16-1/4	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib W-6 Wing Rib W-7 Wing Rib	1 1 1 1 1 2 4 2 2	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-1/4 x 5-1/2 1/8 x 2-3/4 x 3-1/2 1/8 x 2-3/8 x 3 1/8 x 2-7/8 x 4	AC Ply AC Ply AC Ply Poplar Poplar BAG Balsa Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib) Flap Servo Mounts Aileron Servo Mounts
6 18 4 2 2 2 2 2 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 <b>WING RIBS</b> 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 18-1/2 3/32 x 17-3/4 3/32 x 17 3/32 x 16-1/4 3/32 x 15-1/2	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib W-6 Wing Rib W-7 Wing Rib W-7 Wing Rib W-8 Wing Rib	1 1 1 1 1 2 4 2 2 2 2	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-3/4 x 3-1/2 1/8 x 2-3/8 x 3 1/8 x 2-7/8 x 4 1/8 x 1/2 x 4-1/2	AC Ply AC Ply AC Ply Poplar Poplar  BAG Balsa Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib) Flap Servo Mounts Aileron Servo Mounts Wing Hatch Rails
6 18 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 18-1/2 3/32 x 17-3/4 3/32 x 17 3/32 x 16-1/4 3/32 x 15-1/2 3/32 x 15-1/2	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib W-6 Wing Rib W-7 Wing Rib W-7 Wing Rib W-8 Wing Rib W-9 Wing Rib	1 1 1 1 1 2 4 2 2 2 2 2	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-1/4 x 5-1/2 1/8 x 2-3/4 x 3-1/2 1/8 x 2-3/8 x 3 1/8 x 2-7/8 x 4 1/8 x 1/2 x 4-1/2 1/8 x 2-1/2 x 3	AC Ply AC Ply AC Ply Poplar Poplar  BAG Balsa Lite-Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib) Flap Servo Mounts Aileron Servo Mounts Wing Hatch Rails SWDG Shear Web / Dihedral Gauge
6 18 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 17-3/4 3/32 x 17 3/32 x 17 3/32 x 16-1/4 3/32 x 15-1/2 3/32 x 15-1/2 3/32 x 15-1/2	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib W-6 Wing Rib W-7 Wing Rib W-7 Wing Rib W-9 Wing Rib W-9 Wing Rib W-9 Wing Rib	1 1 1 1 1 2 4 2 2 2 2 2	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS II 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-3/4 x 3-1/2 1/8 x 2-3/8 x 3 1/8 x 2-7/8 x 4 1/8 x 1/2 x 4-1/2 1/8 x 2-1/2 x 3 1/8 x 1-1/2 x 5-1/2	AC Ply AC Ply AC Ply Poplar Poplar  BAG Balsa Lite-Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib) Flap Servo Mounts Aileron Servo Mounts Wing Hatch Rails SWDG Shear Web / Dihedral Gauge Fuselage Fairing Face Plate
6 18 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 17-3/4 3/32 x 17 3/32 x 17-3/4 3/32 x 16-1/4 3/32 x 15-1/2 3/32 x 15-1/2 3/32 x 14-1/2 3/32 x 13-3/4	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib W-6 Wing Rib W-7 Wing Rib W-7 Wing Rib W-9 Wing Rib W-9 Wing Rib W-10 Wing Rib W-11 Wing Rib	1 1 1 1 1 2 4 2 2 2 2 2 1 6	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-1/4 x 5-1/2 1/8 x 2-3/4 x 3-1/2 1/8 x 2-3/8 x 3 1/8 x 2-7/8 x 4 1/8 x 1/2 x 4-1/2 1/8 x 2-1/2 x 3 1/8 x 1-1/2 x 5-1/2 1/16 x 1 x 1	AC Ply AC Ply AC Ply Poplar Poplar  BAG Balsa Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply AC Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib) Flap Servo Mounts Aileron Servo Mounts Wing Hatch Rails SWDG Shear Web / Dihedral Gauge Fuselage Fairing Face Plate Control Horn Pads
6 18 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 17-3/4 3/32 x 17 3/32 x 16-1/4 3/32 x 15-1/2 3/32 x 15-1/2 3/32 x 14-1/2 3/32 x 13-3/4 3/32 x 13	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib W-6 Wing Rib W-7 Wing Rib W-7 Wing Rib W-9 Wing Rib W-10 Wing Rib W-10 Wing Rib W-11 Wing Rib W-12 Wing Rib	1 1 1 1 1 2 4 2 2 2 2 2 1 6	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS II 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-3/4 x 3-1/2 1/8 x 2-3/8 x 3 1/8 x 2-7/8 x 4 1/8 x 1/2 x 4-1/2 1/8 x 2-1/2 x 3 1/8 x 1-1/2 x 5-1/2 1/16 x 1 x 1 3/32 x 15/16 x 2-1/4	AC Ply AC Ply AC Ply Poplar Poplar  BAG Balsa Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply AC Ply AC Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib) Flap Servo Mounts Aileron Servo Mounts Wing Hatch Rails SWDG Shear Web / Dihedral Gauge Fuselage Fairing Face Plate Control Horn Pads Wing Bolt Plate
6 18 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3/32 x 3 x 36 3/32 x 4 x 7-1/2 3/32 x 4 x 36 1/4 x 4 x 36 WING RIBS 3/32 x 20-1/4 3/32 x 19-3/4 3/32 x 19 3/32 x 17-3/4 3/32 x 17-3/4 3/32 x 17-3/4 3/32 x 15-1/2 3/32 x 15-1/2 3/32 x 15-1/2 3/32 x 13-3/4 3/32 x 13	Balsa	Wingtip Sheeting, Fuselage Sheeting LE & Center Sheeting, Fuselage Sheeting Fuselage Sheeting  W-1 Wing Rib W-2 Wing Rib W-3 Wing Rib W-4 Wing Rib W-5 Wing Rib W-6 Wing Rib W-7 Wing Rib W-7 Wing Rib W-9 Wing Rib W-9 Wing Rib W-10 Wing Rib W-11 Wing Rib	1 1 1 1 1 2 4 2 2 2 2 2 1 6	1/4 x 1/2 x 3 1/4 x 1-1/2 x 3-1/2 3/8 x 1-1/2 x 2-3/8 3/8 x 3/4 x 1 3/8 x 2 x 2 WING PARTS I 3/8 x 1-1/4 x 3 1/8 x 4-1/2 x 5-1/2 1/8 x 2-1/4 x 5-1/2 1/8 x 2-3/4 x 3-1/2 1/8 x 2-3/8 x 3 1/8 x 2-7/8 x 4 1/8 x 1/2 x 4-1/2 1/8 x 2-1/2 x 3 1/8 x 1-1/2 x 5-1/2 1/16 x 1 x 1	AC Ply AC Ply AC Ply Poplar Poplar  BAG Balsa Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply Lite-Ply AC Ply	H-1 Front Hatch Bulkhead F-2 Nose Retract Mount Wing Mount Pushrod Housing Clamp Thrust Wedge  Material for Fuselage Fairing Sides Wheel Well Frames and Floors W-6D Rib Doublers Dowel Block Doublers (partial rib) Flap Servo Mounts Aileron Servo Mounts Wing Hatch Rails SWDG Shear Web / Dihedral Gauge Fuselage Fairing Face Plate Control Horn Pads

2 1/4 dia. x 4

Birch

Wing Dowels

## **REACTION 54 PARTS LIST - CONTINUED**

### MACHINED BALSA FUSELAGE PARTS

2	1/4 x 4 x 36	Balsa	SIDE-1 (notched, left and right)	
2	1/4 x 1 x 10	Balsa	SIDE-2	
2	1/4 x 4 x 36	Balsa	SIDE-3	
2	1/4 x 2 x 19	Balsa	SIDE-4	
2	1/4 x 4 x 27	Balsa	Hatch Side/SIDE-5	
1	1/4 x 3 x 13-1/2	Balsa	Stabilizer Mount	
1	2-1/4 x 3 x 3	Balsa	Nose Block	

#### **MACHINED BALSA FIN/RUDDER PARTS**

1	5/16 x 3 x 10	Balsa	FIN-1
1	5/16 x 3 x 8-1/2	Balsa	FIN-2
1	5/16 x 3 x 6-3/4	Balsa	FIN-3
1	5/16 x 3 x 5-1/4	Balsa	FIN-4
1	5/16 x 3 x 3-1/2	Balsa	FIN-5
1	5/16 x 3 x 1-3/4	Balsa	FIN-6
1	5/16 x 2 x 25	Balsa	FIN-7 Fin Front
1	5/16 x 3 x 10-3/8	Balsa	Rudder (tapered and beveled)

#### **MACHINED BALSA STAB/ELEVATOR PARTS**

2	3/8 x 2-1/4 x 5	Balsa	STAB-1
1	3/8 x 2-3/4 x 22	Balsa	STAB-2
3	3/8 x 2-3/4 x 26	Balsa	STAB-3
2	3/8 x 2-2/4 x 9-1/2	Balsa	STAB-4 Stabilizer Tips
1	3/8 x 2-1/4 x 26	Balsa	Elevator (tapered and beveled)

#### **MACHINED BALSA WING PARTS**

2	1 x 2-1/2 x 3	Balsa	Wing Dowel Supports
1	1 x 3 x 4	Balsa	Wing Bolt Supports
2	1-1/2 x 2 x 15-1/2	Balsa	Wingtips
2	5/8 x 2-1/2 x 6	Balsa	Tip TE Extensions (tapered)
1	5/8 x 2-1/2 x 30	Balsa	Ailerons (tapered and beveled)
2	3/4 x 3 x 3-1/2	Balsa	Root TE Extensions (tapered)
1	3/4 x 3 x 32-1/2	Balsa	Flaps (tapered and beveled)

#### **LOOSE PLYWOOD PARTS**

2	1/8 x 7-1/4 x 35	Lite-Ply	Fuselage Doublers
2	1/8 x 3-3/4 x 10	Lite-Ply	Boat Tail Sides
2	1/8 x 5-1/4 x 9-1/2	Lite-Ply	Boat Tail Formers
1	1/8 x 2-3/4 x 9-1/2	Lite-Ply	Boat Tail Jig
2	1/32 x 1-7/8 x 12	AC Ply	Wheel Well Liner
1	1/4 x 2 x 10	AC Ply	Rear Dihedral Brace
1	1/4 x 2 x 15	AC Ply	Front Dihedral Brace

#### **HARDWARE**

12	#2 x 3/8 Truss Head	Steel	Sheet Metal Screw (wing hatches)
4	#2 x1/2 Pan Head	Steel	Sheet Metal Screw (rudder control horn)
20	#2 x 3/4 Pan Head	Steel	Sheet Metal Screw (all other control horns)
2	#4 x 3/4 Flat Head	Steel	Sheet Metal Screw (wire rack)
4	#6 x 1 Pan Head	St Steel	Sheet Metal Screw (turbine mount)
6	4-40	Steel	Hex Nuts (use for clevis jam nuts)
2	1/4 -20 x 3 Rd Head	Alum	Wing Bolts (may be shortened to 2.5")
2	1/4 i.d. x 3/4 o.d.	Nylon	Flat Washers (for wing bolts)
2	4-40	Steel	Threaded Couplers (elevator, rudder)
6	4-40	Steel	Solder Clevis (1 per control surface)
6	4-40	Steel	Sure-Lock Clevis (1 per control surface)
6	3/16 x 1/4	Steel	Locking Clips (1 per clevis)
3	Short (3/4")	Steel	Control Horns (2 flap, 1 rudder)
3	Long (1-1/8")	Steel	Control Horns (2 aileron, 1 elevator)
6	5/8 x 7/8	Nylon	Control Horn Backing Plates
1	5/8 x 1-7/8	Metal	Hatch Latch (assembled)
4	4-40 x 6	Steel	Threaded Rod (2 aileron, 2 flap)
8	5/8"	Brass	Cup Hooks (4 rear hatch, 4 hold downs)
1	1/2" i.d. x 1" o.d.	Rubber	Grommet (for turbine wiring at fuselage)
20	#10	Rubber	Rubber Bands (wire rack, rear hatch)
32	3/4 x 1	Secret	Sig Easy Hinges (one extra)

#### **MISCELLANEOUS**

4	36 x 48	Paper	Full-Size Plans - Wing Panels, Fuselage
1	24 x 36	Paper	Full-Size Plan - Stabilizer
1	40 Pages	Paper	Instruction Book with Color Photos
3	8-1/2 x 14	Paper	Servo Lead Tubes
1	60 oz.	Nylon	Du-Bro Fuel Tank (with hardware)
1	3/16 x 3 x 3	Foam	Fuel Tank Pad - Front
1	1/2 x 4-3/4 x 9	Foam	Fuel Tank Pad - Top
1	.003 x 6 x 8	St Steel	Heat Shield Material
1	1-1/2 x 10	Alum	Tape (to finish edge of heat shield)
1	2 x 56	Glass	Fiberglass Tape (for wing center joint)
1	1-3/4 x 16	Vinyl	Graphic - Reaction 54 Logo (black)
1	2-1/2 x 9	Vinyl	Graphic - BTE Logos (black)
1	3/32 dia. x 98	Steel	Stranded Cable (elev & rud linkage)
1	3/16 o.d. x 98	Nylon	Cable Housing (nylon tube)
1	4-1/4 x 11	Paper	Template Sheet (blue card stock)
1	.090	Alum	Turbine Mounting Bracket*

<sup>\*</sup>Several Styles Available to Suit Different Turbines