AIRWORTHINESS LIMITATIONS

The following schedules are mandatory replacement time schedules and structual inspection intervals. They are idenitcal to the schedules in Section 8 under maintenance. Refer to Section 2 thru 8 for related structual inspection procedures.

Due to Aircraft Structure Durability and Aircraft Structual Fatique Life the Aircraft Maintenance Schedules in this manual must be adhered to.

POWERPLANT MAINTENANCE SCHEDULE — 503 & 582 ROTAX ENGINE

Component	Hours	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400
Engine Overhaul											3						
Engine Rubber Mountings					2				3				2				3
*Spark Plugs			3		3		3		3		3		3		3		3
Throttle Cable			1		2		1		2		1		2		1		3
Throttle Lever									2								2
Air Filter		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	3
Fuel Filter			3		3		3		3		3		3		3		3
Fuel Pump																	3
All Fuel Lines			2		2		2		2		2		2		2		3
* 'V' Belts		1	2	1	2	1	1	1	3	1	1	1	2	1	1	1	3
* Reduction Pulleys									2				3				3
+ Gearbox Oil					3				3				3				3
Muffler			2		2		2		3		2		2		2		3
Muffler Springs					3				3				3				3
All Engine Hardware			4		4		4		2		4		4		4		2
Propeller					2				2				2				2
Carburetor			1		1		1		1		1		1		1		1

Figure 10-2 : Powerplant Maintenance Schedule.

LEGEND

1. Oil, Lube, Clean or Service.
2. Remove, Inspect & Replace if necessary.
3. Replace or Overhaul.
4. Check Bolt or Nut Tension.
5. Replace all components every 1000 hours of operation.

* Clean Spark Plugs every 10 hours.
\+ GT500 Only. Check Gearbox Oil Level every 10 hours.

AIRFRAME MAINTENANCE SCHEDULE — GT 500

Component	Hours	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400
Root Tube									2								3
+ All Spars									2								2
Compression Struts									2								2
Diagonal Struts									2								2
@ King Post Tubes									2								3
@ King Post Fittings		1		1		1		1		1		1		1		1	3
Tail Boom									2								2
Aft Downtubes									2								5
Fwd Downtubes									2								5
Fwd Fuselage Down Strut									2								2
Tail Boom Down Strut									2								2
Rudder Frame			4						2&4			4					2&4
Elevator Frame			4						2&4			4					2&4
Tail Skid		2		2		2		2		2		2		2		2	2
Ribs		2		2		2		2		2		2		2		2	2
All Cables/Lift Struts				2					2								2
+ Wing & Tail Covers									2								2
+ All Landing Gear Parts		4		2		4		2		4		2		4		2	2
Elevator Fusn/Pull Tube		2		2		2		2		2		2		2		2	2
Control Yoke		1&4		2&4		1&4		2&4		1&4		2&4		1&4		2&4	
Rudder Pedals									2								2
Side Struts				2					2					2			2
Strut Fittings									2								2
Teleflex Cable					2				2				2				3
All Control Cables				2					2					2			2
Wheel Bearings				1					2					1			2
All Formed Channels				2					2				2				2
All Other Bolts		4		4		4		2		4		4		4		4	2
Grade 5 Bolts		4		2		4		2		4		2		4		4	3
All Other Hardware		4		4		4		2		4		4		4		4	2
+ Wheel Parts				2					2					2			2
Seat																	2
All Hinge Assemblies		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2

Figure 10-3 : Airframe Maintenance Schedule.

LEGEND

1. Oil, Lube, Clean or Service.
2. Remove, Inspect & Replace if necessary.
3. Replace or Overhaul.
4. Check Bolt or Nut Tension.
5. Check Holes for Ovality - replace as necessary.
   - + Closely inspect after any hard landing.
   - * Check Fabric every 1000 hours of exposure to the Sun. (Approx. 85 days of 12 hour exposure each day). Replace the fabric every four years or in accordance with the procedures of the fabric test kit which ever comes first.
   - @ Cable Braced GT Only.
6. Replace all componets every 1600 hours of operation.