5	t				$\neg$		SPECI	AL INSPE	CTION	ITE	м
			IMPORTA	NT			EACH	200 HOUR	S		
		READ ALL I	NSPECTIO	N REQUIR	E-		EACH	100 HOUR	S		
		MENTS PAR. USING THES	AGRAPHS 1	PRIOR TO			EACH	50 HOURS	П		
PROPE	LLER			35							
1.	Spinner								•		
2.	Spinner bulkhead										
3.	Blades								•		
4.	Bolts and Nuts										
5.	Hub							* * * *			
6.	Governor and control										
ENGRE	COMPARMANT										
	COMPARTMENT		organism margy an		902						
	or evidence of oil and fu tment, if needed, prior		clean entir	e engine a	nd						
1.	Engine oil screen, fill	er cap, dipstic	ck, drain pl	lug and ext	ernal	filter el	ement		•		1
2.	Oil Cooler								•		
3.	Induction air filter .								•		2
4.	Induction airbox, air v	alves, doors a	and controls	s							
5.	Cold and hot air hoses									•	
6.	Engine baffles								•		
7.	Cylinders, rocker box	covers and pu	sh rod hous	sings							
8.	Crankcase, oil sump,	accessory sec	tion and fro	ont cranks	haft se	al					
9.	Hoses, metal lines and	fittings							•		3
10.	Intake and exhaust syst	ems							•		4
11.	Ignition harness										
12.	Spark plugs										
13.	Compression check .									•	
14.	Crankcase and vacuum	system breatl	ner lines							•	
15.	Electrical wiring								•		
16.	Vacuum pump										
17.	Vacuum relief valve fil	ter									5
18.	Engine controls and lin	kage							•		6
19.	Engine shock mounts,	mount structu	re and grou	nd straps							

	SPECIAL INSPECT		V IT	EM
	EACH 200 HOURS		$\neg$	
	EACH 100 HOURS		3 I	
	EACH 50 HOURS	7		
11.	Rudder pedal assemblies and linkage			•
12.	External skins of control surfaces and tabs	•		
3.	Internal structure of control surfaces			•
4.	Balance weight attachment			•

## SPECIAL INSPECTION ITEMS

- 1. First 25 hours: Use mineral oil confirming with MIL-C-6529 Type II for the first 25 hours of operation or until oil consumption has stabilized, or six months, whichever occurs first. If oil consumption has not stabilized in this time, drain and replenish the oil and replace the oil filter. After the oil consumption has stabilized, change to an ashless dispersant oil, refer to Teledyne Continental Service Information Letter SIL99-2, or latest revision for a current listing of lubricants authorized by TCM. Change oil each 25 hours if engine is NOT equipped with external oil filter; if equipped with an external oil filter, change oil filter element and oil at each 50 hours of operation or every six months, whichever occurs first. Refer to the latest edition of the TCM engine operator/maintenance manual for the latest oil change intervals and inspection procedures.
- 2. Clean filter per paragraph 2-21. Replace as required.
- 3. Replace engine compartment hoses per the following schedule:
  - Cessna Installed Flexible Fluid Carrying Rubber Hoses; replace every 5 years or at engine overhaul, whichever occurs first.
  - Cessna Installed Flexible Fluid Carrying Teflon Hoses, replace every 10 years or at engine overhaul, whichever occurs first.
  - C. TCM Installed Engine Compartment Flexible Fluid Carrying Hoses, refer to Teledyne Continental Service Bulletin SB97-6 or latest revision for hose replacement intervals.
- General inspection every 50 hours. Refer to Section 12 and 12A for 100 hour inspection.
- Each 1000 hours, or at engine overhaul, whichever occurs first.
- 6. Each 50 hours for general condition and freedom of movement. These controls are not repairable, replace throttle, propeller, and mixture controls at each engine overhaul.
- 7. Each 500 hours.
- 8. Internal timing and magneto-to-engine timing are described in detail in Section 12.
- Remove insulation blanket or heat shields and inspect for burnt area, bulges or cracks. Remove tailpipe and ducting; inspect turbine for coking, carbonization, oil deposits and turbine impeller for damage.
- First 100 hours and each 500 hours thereafter. More often if operated under prevailing wet of dusty conditions.
- 11. Replace each 500 hours.
- 12. Check electrolyte level and clean battery compartment each 50 hours or 30 days, whichever occurs first.