



SERVICE BULLETIN

SB No. 026

Issue No. 1

TITLE

T.B.O. - PROPELLER R.P.M. GOVERNORS

CLASSIFICATION

Recommended

COMPLIANCE

Effective immediately

APPLICABILITY

- A. All T67M, T67M-MkII aircraft.
- B. All T67M200 aircraft.

DISCUSSION

- A. The T.B.O. of the governor Woodward Model 210923, is currently listed in aircraft documentation as being 500 hours.

Subject to the conditions contained in "Discussion" Paras. I and II of Woodward Service Bulletin 33580A, pp 1 & 2 attached, the recommended governor T.B.O. becomes the same as the recommended engine T.B.O., - currently 1600 hours.

- B. The T.B.O. of the governor, Woodward Model 210773, is currently listed in aircraft documentation as being 500 hours.

Subject to the conditions of 33580A, as in A. above, the recommended governor T.B.O. becomes the same as the engine T.B.O. - currently 1200 hours.

ACTION

Aircraft documentation should be amended in accordance with the above changes.

- 3 OCT 1988

ISSUED

ISSUED BY:

Date 29.9.88

for and on behalf of SLINGSBY AVIATION PLC

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Page 1 of 1

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TO

1. Owners and Operators of Aircraft Using Woodward Propeller Governors, Unfeathering Accumulators, Auto Feather Valves, Speed Signal Generators, and Type I Synchronizers.
2. Aircraft Service Facilities and Certificated Governor Repair Stations.
3. Airframe Manufacturers.

SUBJECT

Recommended Time Between Overhaul Periods (TBO) for WOODWARD Propeller Governors, Accumulators, Auto Feather Valves, Speed Signal Generators, and Type I Synchronizer Components.

DISCUSSION

- I. Wear rates of governor assemblies will vary with operating conditions. The listed TBOs are based on the following assumptions:
 - A. Continuous service with a minimum of 10 hours per month and a maximum time span of 8 years.
 - B. Engine maintenance performed as specified by the engine and airframe manufacturers.
 - C. The governor has not been subjected to sudden stoppage or oil contamination. (Overhaul is required at any time the governor is subjected to sudden stoppage or contaminated oil.)
- II. Exceptions to specified TBO—
 - A. Aircraft engaged in crop dusting or other chemical application flying should reduce the governor TBO to match the percent of reduction in the recommended engine TBO.
 - B. The recommended 8 year maximum Calendar Time span between overhaul may be increased to 8 years (or until max. TBO in hours is reached) provided the following inspections and conditions are met:
 1. All Airworthiness Directives, Service Bulletins and Service Letters have been complied with.
 2. Governor is free from oil leaks.
 3. Governor has no visible physical damage which would include cracks, corrosion, etc.
 4. There has been no malfunction in the operation of the governor.
 - C. Governors listed below might exceed the Woodward recommended "Time Between Overhaul" (TBO) if they are maintained in accordance with an "On Condition" or "Condition Monitored" system approved by the U.S. Federal Aviation Agency or the Canadian Department of Transportation. These federally approved maintenance monitoring methods become an alternate to the manufacturers recommended Time

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Between Overhaul. When such governors are returned for servicing on an Investigate and Repair As Necessary (IRAN) basis the customer must specify the Time Since New (TSN) or Time Since Overhaul (TSO). Cooperating with the above approved maintenance methods causes Woodward to "return to service" IRAN governors with accrued hours in excess of Woodward's recommended Time Between Overhaul.

RECOMMENDATIONS

I. All Reciprocating Engine Governors.

Governor TBO same as recommended TBO of engine on which unit is installed.

EXCEPT—

Governor	TBO
210582 Series	500 Hrs
210692 Series	500 Hrs
210920 Series	500 Hrs
210921 Series	500 Hrs

II. All Reciprocating Engine Unfeathering Accumulators.

Accumulator TBO same as recommended TBO of engine on which unit is installed.

Current accumulator part numbers—

8907-001	8907-008
8907-002	8907-007
8907-003	8907-021
8907-004	8907-030
8907-005	

Discontinued Accumulator part numbers—

(Repair parts may not be available. Units may be exchanged for current models.)

213134	213330
213226	213336
213265	213420
213270	213440
213325	

III. Turboprop Primary Governors

Governor Series		TBO
210492	210528	3500 Hrs
210508		3500 Hrs
210527	210735	3000 Hrs
210537	210736	"
210538	210737	"
210540	210738	"
210541	210739	"
210542	210741	"
210558	210742	"
210560	210743	"
210561	210744	"
210563	210746	"
210564	210749	"
210570	8210-100	"
210581	8210-101	"
210600	8210-104	"

continued next page