

TIGER AIRCRAFT LLC*

**MAINTENANCE MANUAL
FOR
*Gulfstream Aerospace Corporation**
MODELS:**

**AA-5 TRAVELER
AA-5A CHEETAH
AA-5B TIGER**

**ISSUED: NOVEMBER 15, 1976
REVISION 5: MARCH 1, 2004**

*** REVISION 5 – CONTENT REVIEWED AND APPROVED BY TYPE DESIGN HOLDER
TIGER AIRCRAFT LLC**

**[REDACTED]
MARTINSBURG, [REDACTED]**

AA-5 SERIES
MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS - MAINTENANCE PRACTICES

1. Annual or 100-hour Inspection Procedures

A. Perform Annual or 100-Hour Inspection

Complete the inspection by performing each of the procedures detailed on the checklist, Figure 201. Indicate completion by sign-off in the appropriate column.

B. In addition to the Servicing Guide and Annual or 100 Hour Inspection Procedure, the following steps should be adhered to when performing an inspection or overhaul:

- (1) Check any FAA Airworthiness Directive or Gulfstream American Service Bulletins/ Letters for compliance at the time specified thereon. Also, appropriate sections of this maintenance manual.

- (2) Check that all aircraft documents are present and in order:

Aircraft Airworthiness Certificate (Form FAA 8100-2)

Aircraft Registration Certificate (Form FAA 8050-1 or FAA 8050-3)

Weight and Balance Sheet

Aircraft Equipment List

Any Repair and Alteration Forms if applicable (Form FAA 337)

Aircraft Radio Station License if applicable (Form FCC 566 or FCC 453B)

Aircraft and Engine Log Books

NOTE: All of the above items except the log books must be carried in the aircraft at all times. Form FAA 8100-2, FAA 8050-3 and FCC 566 (FCC 453-B) must be visually displayed.

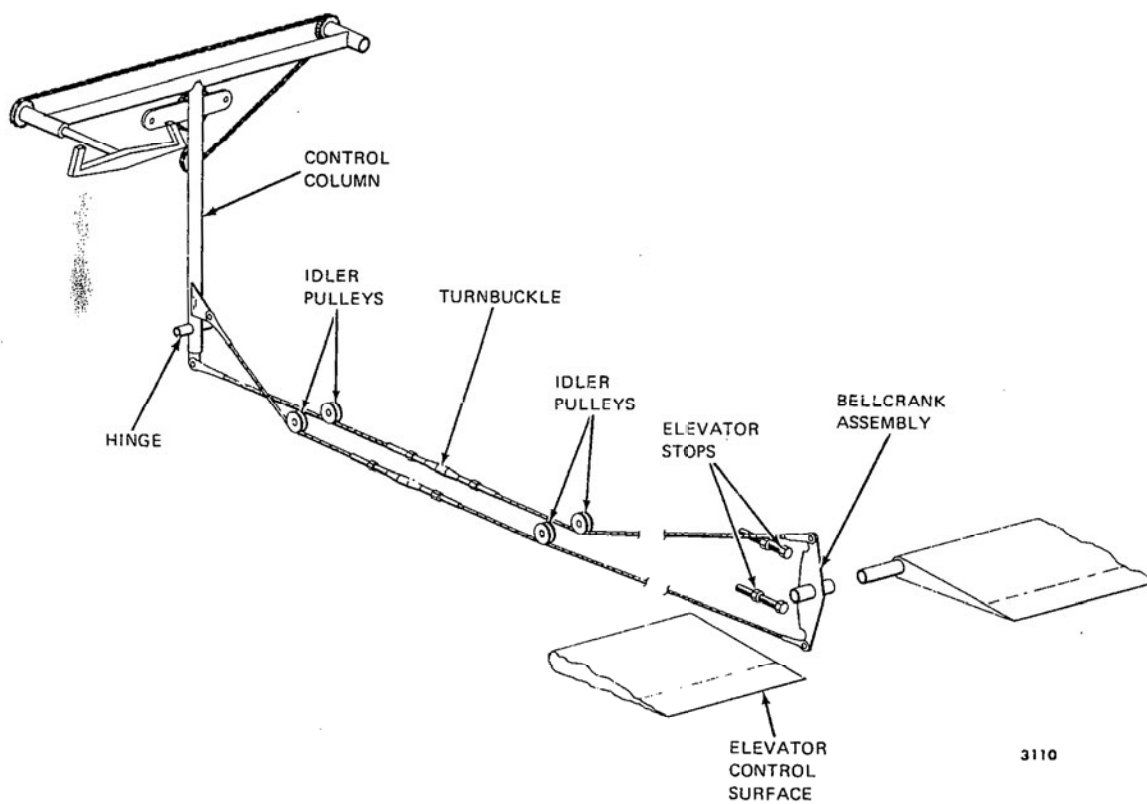
- (3) Check that operating limitations placards (reference Chapter 11) are displayed.

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Models AA-5, AA-5A & AA-5B
ANNUAL OR 100 – HOUR INSPECTION PROCEDURE

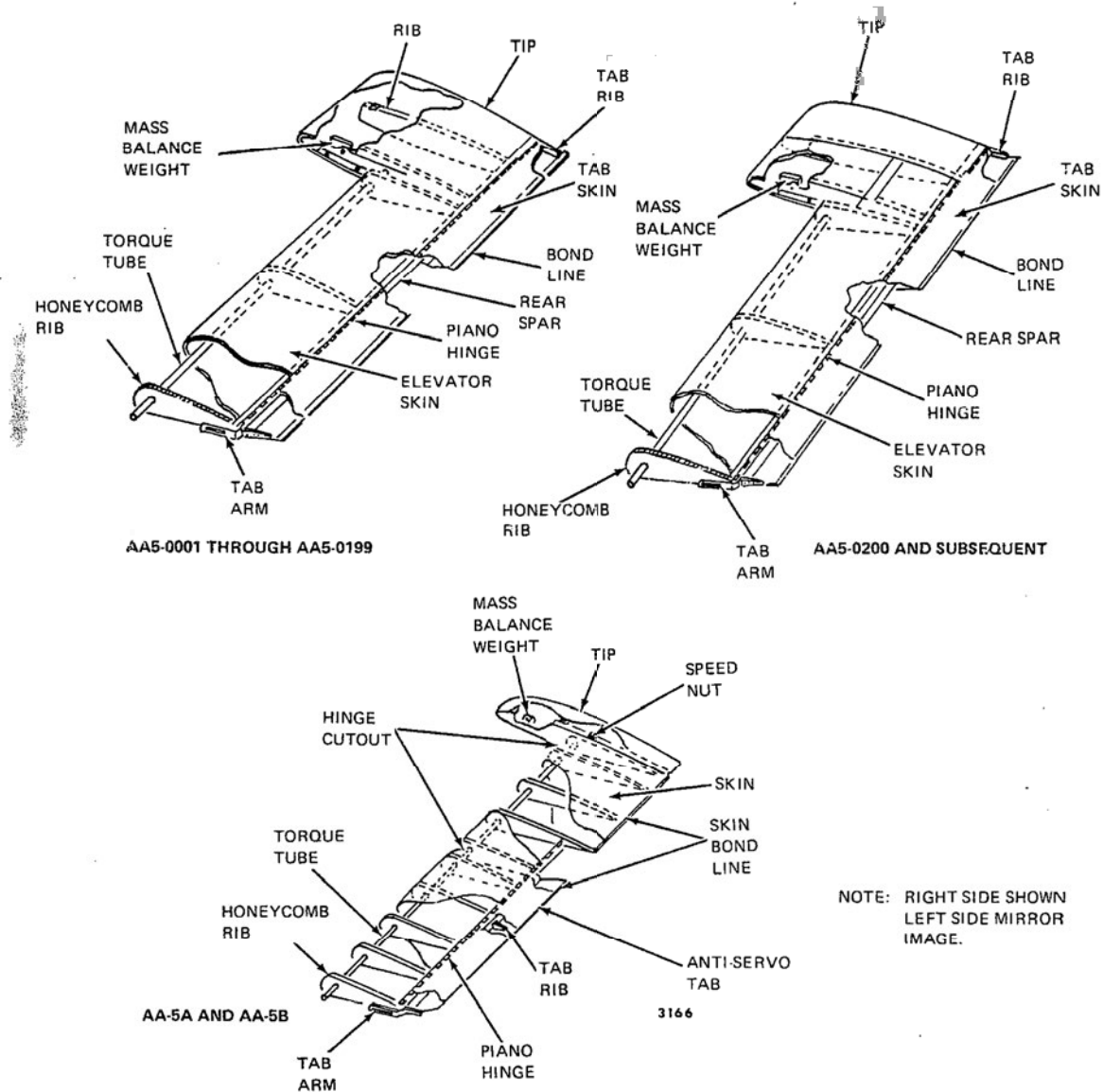
D. FUSELAGE AND EMPENNAGE GROUP (continued)	MECH.	INSP.
3. Inspect exterior surfaces for condition and damage. Check all drain holes in the fuselage bottom for obstructions.		
4. Inspect bond lines for any indication of damage, peeling or cracks.		
5. Check ventral fin (Model AA-5), horizontal and vertical stabilizers for damage and secure mounting. Insure that horizontal stabilizer and elevator drain holes are open.		
6. (Model AA-5A & AA-5B) Check horizontal and vertical stabilizers for damage and secure mounting. Inspect mounting structure carefully for any buckling or cracks (see Chapter 55 for details). Assure the horizontal stabilizer and elevator drain holes are unobstructed.		
7. Check elevator, elevator bearings and stops, rudder, rudder bearings and stops, tab hinges and bellcranks for damage travel and proper operation. Maximum allowable torque tube wear limit at bearing supports is 0.030 in. reduction in wall thickness. Wear beyond 0.030 in. requires replacement of the control surface. Wear from 0.005 in. up to and including 0.030 in. requires the installation of GAAC Service Kit 121A.		
8. Check elevator trim mechanism for damage, secure mounting (safety wire and cotter pins) and proper operation.		
9. Check rudder and elevator cables and pulleys for damage, proper operation and safeties. Check bellcrank attaching bolts for wear.		
10. Lubricate per lubrication chart. (Chapter 12)		
11. Inspect antenna mountings, wiring and electrical installations.		
12. Check position and anti-collision light(s) for security and chafing.		
13. Check static system lines and alternate static source valve (if so equipped) in the tailcone for security and chafing. Drain any accumulated moisture from system drain.		
14. Reinstall inspection covers.		

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Elevator Control System
Figure 1

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**Elevator Control Surface
Figure 2**