



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

# Advisory Circular

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**AC 121-1A**  
**DATE: 7/7/1978**

AC No: 121-1A

Change: 4

Date: 7/7/78

Initiated

by: AFS-320

Subject: STANDARD OPERATIONS SPECIFICATIONS - AIRCRAFT  
MAINTENANCE HANDBOOK

1. PURPOSE. This handbook provides procedures acceptable to the Federal Aviation Administration which may be used by operators when establishing inspection intervals and overhaul times. A list of sample Operations Specifications - Aircraft Maintenance, General, for aircraft currently being used in air transportation, is incorporated in this document to further aid the operator in preparing his program.
2. CANCELLATION. This advisory circular cancels:
  - a. Advisory Circular 120-21, Aircraft Maintenance Time Limitations, dated 6/24/66.
  - b. Advisory Circular 120-24A, Establishment and Revision of Aircraft Engine Overhaul and Inspection Periods, dated 2/25/69.
  - c. Advisory Circular 121-1, Standard Maintenance Specifications, dated 12/15/62.
3. HOW TO ORDER THIS HANDBOOK. This publication is furnished free of charge. Additional copies may be ordered from:

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4. CHANGES TO THIS HANDBOOK. Revised pages to this Advisory Circular will be transmitted by Advisory Circular Changes. If you order the basic handbook, we will put your name on the mailing list to receive changes.

/s/ C. R. Melugin, Jr.  
Acting Director, Flight Standards Service

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## STANDARD OPERATIONS SPECIFICATIONS - AIRCRAFT MAINTENANCE

### CHAPTER 1. INTRODUCTION

1. PURPOSE. This document prescribes, for air carrier aircraft of 12,500 pounds or over certificated takeoff weight, reasonable methods of determining initial overhaul time limits and period inspection intervals for both new and used airframes, powerplants, propellers, and appliances. Under the provisions of Federal Aviation Regulations 121 and 127, the FAA approves for each aircraft, "Operations Specifications - Aircraft Maintenance," which contain maintenance intervals for airframes, powerplants,

propellers, and appliances. Such approved overhaul time limits and maintenance intervals apply only to the aircraft used by each individual air carrier and are not transferable from one air carrier to another.

2. ELIGIBILITY. Standard Operations Specifications - Aircraft Maintenance, or Maintenance Review Board time limits, may be applied to aircraft being placed in FAR 121, 127, and 135.2 operations.
3. DEFINITIONS. Terms as used in this document are defined as follows:
  - a. Aircraft. An aircraft is any contrivance now known or hereafter invented, used, or designed for navigation of or flight in the air, including airframes, powerplants, propellers, and appliances.
  - b. Previous Operator. Previous Operator is the last operator who utilized the aircraft prior to its sale or lease.
  - c. Seller. Seller is the same as Previous Operator.
  - d. New Operator. A new operator is a person who acquires an aircraft, through purchase or lease, for operation in accordance with his operating certificate, and who HAS NOT had a previously approved maintenance program for such type aircraft.
  - e. Buyer. A "Buyer" is a person who acquires an aircraft, through purchase or lease, for operation in accordance with his operating certificate, and who HAS an approved maintenance program for such type aircraft.
  - f. Approved Time Limits. Approved time limits are those which appear on the carrier's approved "Operations Specifications - Aircraft Maintenance," FAA Form 1014. (OMB 04-R0075)
  - g. Maintenance Review Board. A Maintenance Review Board is a body of FAA maintenance specialists organized to evaluate and establish inspection and overhaul time limits for transport aircraft intended for use in U.S. air carrier operations.
  - h. Maintenance Review Board Reports. That document formulated by the Maintenance Review Board that  
  
provides an acceptable initial maintenance program for a specific aircraft or powerplant.
  - i. Proration. A process by which an operator calculates the time since overhaul on a newly acquired airframe and its installed powerplants, propellers, and appliances when his approved overhaul time differs from that of the previous operator.

- j. On Condition. Items and appliances listed as "On Condition" must be restricted to components on which a determination of continued airworthiness may be made by inspections, measurements, or tests. These "On Condition" functions are to be performed within the time limitations prescribed for the inspection or check. Performance tolerances and wear or deterioration limits shall be contained in the air carrier's maintenance manual. If an item or appliance cannot be maintained in a condition of continued airworthiness by use of "On Condition" procedures, it must be placed on specific time limitation control or be controlled by an acceptable standard for determining time limitations (e.g., hard time or condition monitoring).

Additional criteria to be used in determining the eligibility of an item or appliance for "On Condition" are:

- (1) Perceptibility of wear or other deterioration of moving parts.
  - (2) Adaptability to inspection for detection of corrosion and internal structural integrity when such parts or areas have an appreciable effect on continued airworthiness.
- k. Direct Inclusion. A process by which the buyer places a newly acquired aircraft into his approved maintenance program for that type aircraft utilizing the existing times of the airframe, powerplants, and appliances.

#### 4. GENERAL.

- a. Three acceptable means currently in use for establishing initial maintenance programs are as follows:

- (1) Advisory Circular 121-1A, Standard Operations Specifications -- Aircraft Maintenance.

- (2) Maintenance Review Board Reports.

- \* (3) Advisory Circular 120-17A, Maintenance Control by Reliability Methods. \*

- b. Maintenance Review Board reports, which are formulated at the time of equipment manufacture, are valid only until such time as the limits are published in AC 121-1A. This transfer of limits from the MRB report to

AC 121-1A is accomplished only after sufficient satisfactory service experience has been accumulated that warrants an updating or revision of the original MRB limits.

- c. When a non-air carrier aircraft is acquired (e.g., one operating under FAR Part 91, the military, or foreign), the initial time limits for the new operator will be those set forth in the Standard Operations Specifications - Aircraft Maintenance or the MRB report, whichever is applicable. The time remaining to overhaul for the new operator will be the difference between the actual TSO and the newly approved time limit providing the actual TSO is the lower of the two figures.
- d. When a non-air carrier aircraft is acquired (e.g., one operating under FAR Part 91, the military or foreign), the initial time limits for the buyer may be established by using either direct inclusion or proration in accordance with the provisions of Chapter 2. In this type of situation, if proration is to be used, the times shown in the Standard Operations Specifications - Aircraft Maintenance or the MRB report (whichever is applicable to the aircraft in question) are to be used as the seller's approved overhaul time and this figure will serve as the basis for the proration computation.
- e. In the event an air carrier aircraft is acquired by a new operator or buyer, up to 30 hours of time may be accumulated under FAR Part 91 without the provisions of the above paragraph c being invoked.
- f. The times listed in AC 121-1A (as in the case of MRB reports) are recommended starting times. They may be

reduced if an investigation of the proposed operation indicates that lower time limits are advisable in the interest of safety.

- g. Higher starting times may be approved providing sufficient justification is provided to the assigned maintenance inspector by the operator. In making this determination, consideration shall be given to the following:
  - (1) Type of intended operations (geographical areas of operation).
  - (2) The operator's experience in handling aircraft equal in complexity to the new equipment.

- (3) The scope and depth of training provided for maintenance personnel on the new aircraft.
  - (4) The competency and capability of the carrier's maintenance and quality control organizations.
  - (5) The adequacy of the maintenance and inspection programs.
  - (6) The adequacy of all facilities and equipment required for the maintenance of the equipment involved.
  - (7) Calendar time vs. utilization on the aircraft to be transferred. Long periods of idle storage time or extremely low utilization over a period of time can and often does have an appreciable ill effect on the integrity of an aircraft. Careful consideration must be given to this time element by the assigned inspector prior to putting the aircraft on a new certificate. Acceptance checks, which are a necessary part of the certification procedure must take into account the effects of calendar time and assure that the product is airworthy.
  - (8) Industry-wide service history.
  - (9) Previous operator's use of a reliability program.
- h. Appliances of the same make and basic models as those currently in use by an operator and which are installed

in a newly acquired aircraft of a different type are eligible for approval at the operator's approved overhaul time providing it can be determined that environmental factors will not have an adverse effect on them.

- i. For those aircraft not listed in AC 121-1A or an MRB document, the basic principle followed by the Administrator will be that the inspections, checks, maintenance, or overhaul be performed at times well within the expected or proven service life of each component of the aircraft.

In determining what the expected or proven time limitations of an aircraft or any of its components might be, the Administrator will consider the following factors:

- (1) Geographical area or areas of operation.
- (2) Engine operating power, procedures, etc.
- (3) Number of landings, long haul vs. short haul.
- (4) Maintenance organization and inspection procedures.
- (5) Other operators' service experience.
- (6) Manufacturer's recommendations.
- (7) Service history.

Special reliance will be placed on service experience, including the information obtained from tests, inspections, or measurements that were performed while accumulating service experience. The maintenance program should specify the maintenance checks, inspections, and overhauls to be performed and the times at which they will be accomplished.

- j. An aircraft maintained in accordance with the provisions of a reliability program may be incorporated into another operator's maintenance system by direct inclusion under the terms of the previous or present operator's reliability program, if the PMI/PAI determines that the maintenance controls established relate realistically and responsively to operating

experience.

NOTE: It is intended that the specific needs of the operator, in terms of operating philosophy, recordkeeping practices, statistical and data processing, be thoroughly evaluated prior to program approval. Areas of program compatibility to be considered are: (1) Adequacy of organizational structure; (2) Suitability of data collection and analysis system; and (3) Timeliness of corrective action program. Additional information that may prove useful can be found in AC 120-17A.

- \* k. In the event an operator and the assigned PMI/PAI cannot reach an agreement in the application of either program, the assigned inspector should contact the regional office for guidance. If further guidance is needed the Chief, Air Carrier Airworthiness Branch, AFS-230, Washington, D.C., should be contacted by the regional office. \*

5. REVISION OF TIME LIMITATIONS - GENERAL.

- a. The inspection and overhaul time limitations applicable to airframes, powerplants, propellers, and appliances are normally revised on the basis of service experience unless controlled by a reliability program in accordance with AC 120-17A.
- b. Increases in such time limitations may be made as often as the operator can submit proper justification and substantiation to warrant a time increase. The justification should indicate that such increases will not adversely affect airworthiness of the aircraft. When the service records indicate that any component or subcomponent consistently requires repair, adjustment, or other maintenance because of damage, wear, or deterioration, within the current time limitations, the operator will be responsible for initiating corrective action.
- c. Time limitations may be established in terms of hours of operation, cycles, multiples of engine overhaul periods, or multiples of inspection periods.
- d. Time limitations for components on which deterioration is not necessarily a function of operation hours, such as electronic units, emergency flotation equipment,

etc., may be established in terms of calendar months.

6. AIRFRAME - REVISION OF TIME LIMITATIONS.

- a. The increases of time limitations for overhaul or major inspections of airframes are normally based on evaluation of all pertinent service records and/or examination of at least one aircraft, of the model involved, that has been operated within five percent of the currently approved time limitation; or
- b. Any other method acceptable to the assigned principal maintenance inspector such as industry experience, etc., may also be used when sufficient justification can be furnished by the operator.
- c. When a pattern or block overhaul type of maintenance system is used, it will be permissible to reschedule individual items in another block or pattern, if performance and condition of the specific item warrants such an increase.

7. POWERPLANT AND ASSOCIATED APPLIANCES - REVISION OF TIME LIMITATIONS.

- a. Increases in engine overhaul periods may be approved in increments mutually agreed upon by the operator and the assigned principal maintenance inspector. Increase in time limitations are normally considered on the basis of satisfactory service experience and a teardown examination of one exhibit engine. The engine chosen for exhibit should have operated to within five percent of the currently approved time limitation; or
  - b. Any other method acceptable to the assigned principal maintenance inspector such as industry experience, etc., may also be used to increase engine overhaul periods when sufficient justification can be furnished by the operator.
  - c. Engine accessories may be operated to multiples of the approved engine overhaul limit if it can be shown that satisfactory service and overhaul experience justifies the increase and will not adversely affect the airworthiness of the component involved.
8. APPLIANCES - REVISION OF TIME LIMITATIONS. Increases in established times for inspection, bench test, or overhaul

periods are normally based on consideration of the following factors: (1) geographical area or areas of operation; (2) number of landings, long haul vs. short haul; (3) maintenance organization and inspection procedures; (4) manufacturers' recommendations; and (5) service history. When electrical/electronics appliances are maintained on an "on condition" basis, special consideration should be given to the continued airworthiness of mechanical components of such equipment.

9. RELIABILITY VS. HARDTIME CONVERSION. The following procedures apply to aircraft transferred from a nonoverhaul program (maintenance control by reliability methods) to a program utilizing hard times.
- a. The record of last overhaul which is required by section 121.380 will be used to determine time on units which have been overhauled.
  - b. When a record of last overhaul is not available for units not subject to overhaul (for example, units under reliability control), the carrier will determine TSO or TSN on each unit by subtracting total time on aircraft at the time of unit installation from the total time on the aircraft at the time of change to an overhaul program. The time on each unit so determined will be used to determine time remaining to overhaul on the new

program.

- c. If adequate records are not available to determine TSO or TSN, the unit involved will have to be overhauled before further use.

- 10. EMERGENCY EQUIPMENT. The inspection periods for first aid kits, flotation equipment, evacuation slides, and other emergency equipment should assure the continued serviceability and immediate readiness of such equipment for its intended emergency purposes. Major inspection periods are established for the purpose of determining that all components of the emergency equipment are complete and serviceable and may be expected to remain in this condition until the next major inspection or actual use under emergency conditions.
- 11. AVIONICS AND INSTRUMENTS. All Operations Specifications, Aircraft Maintenance, must identify the manufacturer and model number of the major components in ATA systems 22, 23, 24, 31, 33, 34, and 77. If the operator chooses, the major

components and required data can be listed in any other approved manual or document provided that the manual or document is identified in the approved Maintenance Specifications, preferably in the General section.

- 12.-15. RESERVED.

## CHAPTER 2. PRORATION

- 16. PURPOSE. Proration is a mathematical procedure used to determine the percent of overhaul time expended by one operator and to establish the time remaining to overhaul for the new operator. As new type equipment becomes available, many air carriers acquire this new equipment and sell or lease their older equipment to other air carriers. Since the older equipment has accumulated a certain amount of time in service, it is desirable to transfer this time as it applies to an airframe and its installed powerplants, propellers, and appliances to the buyer. This "time in service" may be phased in or prorated to the approved overhaul time of the buyer to permit further utilization of the affected items without the need for immediate overhaul.
- 17. APPLICATION.

- a. When a buyer's approved overhaul time limits are lower than those of the seller, the buyer has two options:
  - (1) He (the buyer) may elect to use the proration process.

(2) The buyer may elect to use direct inclusion providing the previous operator's actual time since overhaul is less than the buyer's approved overhaul time limit.

- b. When the direct inclusion option is used, the difference between the buyer's approved overhaul time limit and the previous operator's actual time since overhaul will determine the time remaining to overhaul for the buyer.
- c. When the buyer's approved overhaul time limit is higher than that of the seller, proration procedures should be used to adjust the time since overhaul. However, based upon the buyer's assigned PMI's comparison of the buyer's and seller's maintenance program for similarity, direct inclusion may be used if both

programs are found comparable.

#### 18. SCOPE AND LIMITATIONS.

- a. An operator's responsibility for maintaining his aircraft in an airworthy condition is in no way lessened by proration of the aircraft's time since overhaul.
- b. All times obtained by use of the proration formula may be rounded out to the nearest 10-hour figure.
- c. The percentage of aircraft overhaul time expended is computed on the basis of the previous operator's actual time since overhaul.
- d. When block/pattern overhaul time is to be prorated, each block/pattern shall be treated separately, as though a complete aircraft were being prorated. (See Appendix 1, Figures 1 and 2.)
- e. The operator will not be permitted to change aircraft records to reflect only the adjusted time since overhaul. The operator will be required to maintain adequate records showing the adjusted time since overhaul and the actual time since overhaul.
- f. No partial proration will be acceptable. If a carrier elects to prorate, then the airframe and all its installed powerplants, propellers, and appliances will also be prorated. Spare engines and propellers acquired by the buyer at the time of sale or at a later date with "time in service" may also be prorated.

- g. Aircraft components that are life-limited and airworthiness directives may not be prorated.
- h. Amendments to "Operations Specifications - Aircraft Maintenance," which increase overhaul time limits, are applicable to all aircraft of the same type and model operated by a carrier. Such time increases would apply equally to aircraft operating on a prorated time basis as well as to the others in the fleet. Aircraft operating on prorated times will not have the time increase prorated, but will be credited with the entire increase.
- i. "Operations Specifications - Aircraft Maintenance," and

the applicable preface page which established prorated time limits, will be cancelled when the aircraft, powerplants, propellers, and appliances to which they relate are first overhauled. Thereafter, overhaul will be accomplished in accordance with the operator's approved overhaul time.

- j. For proration purposes, aircraft obtained from military or non-air carrier civilian sources will be assigned the Standard Operations Specifications - Aircraft Maintenance or Maintenance Review Board Report times as applicable to the particular aircraft.
- k. Any foreign air carrier aircraft listed in the Standard Operations Specifications - Aircraft Maintenance or an applicable Maintenance Review Board Report may be phased into a U.S. air carrier's program, through the proration formula, provided the U.S. operator presents satisfactory evidence which indicates that the program under which the aircraft was maintained is at least equivalent to a program approved by the FAA for a similar type of aircraft.
- l. Aircraft acquired by either a "new operator" or "buyer" (see definitions, Chapter 1, paragraph 4) may enter service via proration or direct inclusion. The reason for the difference in terminology lies in the fact that a new operator will be limited by the maximum times set forth in the Standard Operations Specifications - Aircraft Maintenance (Appendix 2) or the applicable MRB report. On the other hand, a "buyer" will have previously established time limits for the particular aircraft in question. For ease in presenting proration sample exercises shown in Appendix 1, the terms "new operator" and "buyer" are used interchangeably.

19. DATA REQUIRED. The following data will be submitted to the assigned air carrier maintenance inspector by the operator, when he desires to apply for approval of prorated overhaul times:
- a. All "Operations Specifications - Aircraft Maintenance" containing the overhaul time limits utilized for the particular aircraft by the previous operator. If the Operations Specifications do not show hours, the buyer shall submit such other specifications or documents which will, in fact, establish the overhaul time limits in hours. If a conversion to hours is necessary, the computations used for the conversion will be included (see Appendix 1, Figure 7).
  - b. All "Operations Specifications, Preface Pages" pertinent to the particular aircraft. This is essential because the previous operator may have operated the subject aircraft in accordance with a preface page showing utilization of adjusted time since overhaul calculated in accordance with the proration formula.
  - c. A document itemizing (for airframe, powerplants, propellers, and appliances):
    - (1) The previous operator's:
      - (a) Approved overhaul time.
      - (b) Time since overhaul.
      - (c) Percent of overhaul time used.
    - (2) The buyer's:
      - (a) Approved overhaul time.
      - (b) Prorated time since overhaul.
      - (c) Prorated time remaining to overhaul.(See Appendix 1, Figure 5.)
  - d. When a block/pattern or similar overhaul system was used by the previous operator, a document will be submitted showing:
    - (1) The time since overhaul for each block or pattern together with a list of items which are part of the block or pattern (see Appendix 1, Figure 8).

- (2) The time since overhaul for each individual item on the aircraft.
- e. "Operations Specifications - Aircraft Maintenance" or a "Proration Document" containing prorated times for each aircraft operating on prorated times. In either of these cases, a pertinent preface page must be prepared and submitted.

- (1) In the first case where the approved prorated times are listed on "Operations Specifications - Aircraft Maintenance" pages, a preface page such as that shown in Appendix 1, Figure 9, will be executed.
- (2) Where a proration document is used to list prorated times in lieu of showing them on the "Operations Specifications - Aircraft Maintenance" pages, a document shall be prepared for each aircraft operating on prorated times. Each document shall be clearly identified and each shall be made a part of the Operations Specifications by means of a preface page such as the example shown in Appendix 1, Figure 11.
- (3) The information required by item 15c will provide the supporting data for these specification pages or documents.

The aforementioned documents are essential to the application of the formula in establishing the adjusted time since overhaul on each component, area, section, etc., of the aircraft because if the proration formula has been used by the previous operator of the aircraft involved, the time since overhaul figures presented in the document will not be the same as the actual hours of time in service since the last overhaul of the component, area, etc. The proration formula for the buyer should be calculated, using the actual time since overhaul figures maintained by the previous operator.

20. PRORATION FORMULA. The simple mathematical procedure explained below will result in a figure that will be the "time remaining to overhaul" for the buyer.

KNOWN

8,000 hours --- Previous operator's approved overhaul time limit.

2,000 hours --- Previous operator's time since overhaul.

12,000 hours --- Buyer's approved overhaul time limit.

STEP I

Divide the previous operator's TSO figure by the previous operator's approved overhaul time limit (carry out to three places). This division will result in a decimal which can be used to represent the percentage of approved overhaul time already used.

\_\_\_\_\_ .250 --- Percent of O.H. time used by  
8,000/2,000.000 previous operator.

STEP II

Multiply the buyer's approved overhaul time limit figure by the decimal arrived at in STEP I. This multiplication will result in the prorated TSO to be used by the buyer.

12,000 --- Buyer's approved O.H. time limit.  
x .250  
-----  
600.000  
2400.0  
-----  
3000.000 --- Buyer's prorated TSO.

STEP III

Subtract the prorated TSO arrived at in STEP II from the buyer's approved overhaul time limit. The resultant figure will be number of hours remaining to overhaul for the buyer.

12,000 --- Buyer's approved O.H. time limit.  
-3,000  
-----  
9,000 --- Buyer's prorated time remaining to  
overhaul.

21.-25. RESERVED.

-----  
FIGURE 1. TRANSFER OF AIRCRAFT FROM A BLOCK/PATTERN SYSTEM  
TO A ONE-TIME OVERHAUL

In this type of situation, each block/pattern is prorated as though it was the overhaul time for the entire aircraft.

KNOWN

16,000 hours --- Previous operator's approved overhaul time limit  
which is divided into four blocks/patterns of

4,000 hours each.

3,000 hours --- Previous operator's TSO for block/pattern A.

7,000 hours --- Previous operator's TSO for block/pattern D.

11,000 hours --- Previous operator's TSO for block/pattern C.

15,000 hours --- Previous operator's TSO for block/pattern B.

12,000 hours --- Buyer's approved overhaul time limit.

COMPUTATION BLOCK/PATTERN A

STEP I

\_\_\_\_\_ .187 --- Percent of O.H. time used by previous  
16,000/3,000.000 operator.

STEP II

12,000 --- Buyer's approved O.H. time limit.  
x .187  
-----  
84.000  
960.00  
1200.0  
-----  
2244.000 --- Prorated TSO for buyer's block/pattern A.

STEP III

12,000 --- Buyer's approved O.H. time limit.  
-2,244  
-----  
9,756 --- Prorated time remaining to overhaul for buyer's  
block/pattern A.

COMPUTATION BLOCK/PATTERN B

STEP I

\_\_\_\_\_ .937 --- Percent of O.H. time used by previous  
16,000/15,000.000 operator.

STEP II

12,000 --- Buyer's approved O.H. time limit.

```

      x .937
      -----
      84.000
    360.00
  10,800.0
  -----
11,244.000 --- Prorated TSO for buyer's block/pattern B.

```

STEP III

```

12,000 --- Buyer's approved O.H. time limit.
11,244
-----
  756 --- Prorated time remaining to overhaul for buyer's
          block/pattern B.

```

COMPUTATION BLOCK/PATTERN C

STEP I

```

_____ .687 --- Percent of O.H. time used by previous
16,000/11,000.000 operator.

```

STEP II

```

12,000 --- Buyer's approved overhaul time limit.
x .687
-----
  84.000
 960.00
7200.0
-----
8244.000 --- Prorated TSO for buyer's block/pattern C.

```

STEP III

```

12,000 --- Buyer's approved O.H. time limit.
- 8,244
-----
  3,756 --- Prorated time remaining to overhaul for buyer's
          block/pattern C.

```

COMPUTATION BLOCK/PATTERN D

STEP I

```

_____ .437 --- Percent of O.H. time used by previous
16,000/7,000.000 operator.

```

STEP II

```
12,000 --- Buyer's approved O.H. time limit.  
x .437  
-----  
84.000  
360.00  
4800.0  
-----  
5244.000 --- Prorated TSO for buyer's block/pattern D
```

STEP III

```
12,000 --- Buyer's approved O.H. time limit.  
- 5,244  
-----  
6,756 --- Prorated time remaining to overhaul for buyer's  
block/pattern D.
```

It should be recognized that when an operator elects to transfer an aircraft from a block/pattern system to a one-time overhaul, a substantial amount of "time remaining to overhaul" must be sacrificed.

In the example given here, the buyer's "time remaining to overhaul" for each block/pattern is as follows:

A - 9756	C - 3756
B - 756	D - 6756

Since the buyer's approved overhaul time is 12,000 hours, it follows that all the items in block/pattern "B" will be due for overhaul within 756 hours. To phase the aircraft into a one-time overhaul, all blocks would have to be overhauled at this time.

-----  
-----  
FIGURE 2. TRANSFER OF AIRCRAFT FROM A BLOCK/PATTERN SYSTEM TO A BLOCK/PATTERN SYSTEM

In this type of situation, each block/pattern is prorated as though it was the overhaul time for the entire aircraft.

KNOWN

(Based on the figures established in Figure 1.)

16,000 hours --- Previous operator's approved time limit which is divided into four blocks/patterns of 4,000 hours each.

.187 --- Percent of block/pattern A overhaul time used by previous operator.

.937 --- Percent of block/pattern B overhaul time used by previous operator.

.687 --- Percent of block/pattern C overhaul time used by previous operator.

.437 --- Percent of block/pattern D overhaul time used by previous operator.

12,000 hours --- Buyer's approved overhaul time limit which is to be divided into four blocks/patterns of 3,000 hours each. (Blocks/patterns I, II, III, and IV)

COMPUTATION BLOCK/PATTERN NO. I

STEP I

12,000 --- Buyer's approved overhaul time limit.  
x .187 --- Percent of overhaul time used by previous  
-----  
operator.  
84.000  
960.00  
1200.0  
-----  
2244.000 --- Prorated TSO for buyer's block/pattern No. I.

STEP II

12,000 --- Buyer's approved overhaul time limit.  
-2,244  
-----  
9,756 --- Prorated time remaining to overhaul for buyer's  
block/pattern No. I.

COMPUTATION BLOCK/PATTERN NO. II

STEP I

12,000

X .937  
-----  
84.000  
360.00

10,800.0  
-----

11,244.000 --- Prorated TSO for buyer's block/pattern No. II.

STEP II

12,000  
-11,244  
-----

756 --- Prorated time remaining to overhaul for  
buyer's block/pattern No. II.

COMPUTATION BLOCK/PATTERN NO. III

STEP I

12,000  
x .687  
-----  
84.000  
960.00  
7,200.0  
-----

8,244.000 --- Prorated TSO for buyer's block/pattern No. III.

STEP II

12,000  
-8,244  
-----

3,756 --- Prorated time remaining to overhaul for  
buyer's block/pattern No. III.

COMPUTATION BLOCK/PATTERN NO. IV

STEP I

12,000  
x .437  
-----  
84.000  
360.00  
4,800.0  
-----

5,244.000 --- Prorated TSO for buyer's block/pattern No. IV.

STEP II

12,000  
-5,244  
-----

6,756 --- Prorated time remaining to overhaul for  
buyer's block/pattern No. IV.

-----

-----

FIGURE 3. TRANSFER OF AIRCRAFT FROM A ONE-TIME OVERHAUL TO A  
BLOCK/PATTERN SYSTEM (BUYER'S APPROVED OVERHAUL TIME  
LIMIT IS HIGHER THAN THAT OF THE PREVIOUS OPERATOR)

In this process it is first necessary to find the buyer's  
"prorated time since overhaul" and his prorated "time remaining  
to overhaul" for the entire aircraft. This is accomplished by  
first applying the routine proration formula as shown below.

KNOWN

12,000 hours --- Previous operator's approved overhaul time  
limit.

3,000 hours --- Previous operator's time since overhaul.

16,000 hours --- Buyer's approved overhaul time limit which is to  
be divided into four blocks/patterns of 4,000  
hours each. (Blocks/patterns A, B, C, and D)

STEP I

\_\_\_\_\_ .250 --- Percent of overhaul time used by  
12,000/3,000.000 previous operator.

STEP II

16,000 --- Buyer's approved overhaul time limit.  
x .250  
-----  
800.000  
3,200.0  
-----  
4,000.000 --- Buyer's prorated TSO.

STEP III

16,000 --- Buyer's approved overhaul time limit.  
-4,000 --- Buyer's prorated TSO.  
-----  
12,000 --- Buyer's prorated time remaining to overhaul.

In this particular example, since the buyer has elected to  
transfer an aircraft from a one-time overhaul to a four  
block/pattern system, he should recognize that a substantial  
amount of his time remaining to overhaul will have to be

sacrificed. This is brought about by the need to overhaul the entire aircraft prior to 12,000 hours and at the same time, phase selected portions of it into various blocks/patterns.

#### EXAMPLE

The buyer, desiring to establish a four block/pattern system, separates his maintenance program into four equal parts and places the items so separated into either block/pattern A, B, C, or D. Assuming the selection has been made, the blocks/patterns would look like this:

Block/pattern A = 4,000 hours (cumulative time = 4,000 hours)

Block/pattern B = 4,000 hours (cumulative time = 8,000 hours)

Block/pattern C = 4,000 hours (cumulative time = 12,000 hours)

Block/pattern D = 4,000 hours (cumulative time = 16,000 hours)

The effect on items in each block/pattern as the result of phasing them into a four block/pattern system would be as follows:

#### BLOCK/PATTERN A

These items would have to be overhauled at 4,000 hours TSO for the buyer.

This would result in a loss of 8,000 hours "time remaining to overhaul."

#### BLOCK/PATTERN B

These items would have to be overhauled at 8,000 hours TSO for the buyer.

This would result in a loss of 4,000 hours "time remaining to

overhaul."

#### BLOCK/PATTERN C

These items will be overhauled at 12,000 hours TSO for the buyer. Since it was previously established through proration that this was the buyer's "time remaining to overhaul," no time will be sacrificed on the items scheduled in this block/pattern.

#### BLOCK/PATTERN D

The items in this block/pattern will have to be overhauled at a point at, or prior to 12,000 hours and again at 16,000 hours in

order to properly phase them into the system. The initial time of overhaul of these particular items should be at the option of the buyer, providing they do not exceed 12,000 hours. There are several methods he may choose from to accomplish this initial overhaul. Among these are:

1. Initially O.H. all block/pattern D items in block/pattern A
2. Initially O.H. all block/pattern D items in block/pattern B
3. Initially O.H. all block/pattern D items in block/pattern C
4. Initially O.H. 1/2 of all block/pattern D items in block/pattern A  
and O.H. 1/2 of all block/pattern D items in block/pattern B
5. Initially O.H. 1/2 of all block/pattern D items in block/pattern B  
and O.H. 1/2 of all block/pattern D items in block/pattern C
6. Initially O.H. 1/2 of all block/pattern D items in block/pattern A  
and O.H. 1/2 of all block/pattern D items in block/pattern C
7. Initially O.H. 1/3 of all block/pattern D items in block/pattern A  
and O.H. 1/3 of all block/pattern D items in block/pattern B  
and O.H. 1/3 of all block/pattern D items in block/pattern C

Because of the previously established prorated figure of 12,000 hours remaining to overhaul, the buyer stands to lose the same total amount of time regardless of which method he chooses. Method #7 appears to be the most practical approach, since it would tend to spread the workload over a 12,000 hour period. The entire block/pattern D would, of necessity, have to be overhauled

again at 16,000 hours at which time all items would be correctly phased into their proper block/pattern. Consideration should be given by the assigned inspectors to the extent of inspection (overhaul) required in the case of initial overhauls that are accomplished early solely for the purpose of phasing an aircraft into a block/pattern system.

In the foregoing example, it can readily be seen that block A items at the time of initial overhaul by the buyer will actually have accumulated only 7,000 hours since previously overhauled while block/pattern C items will have accumulated 15,000 hours. In either case, it must be remembered that another 16,000 hours will pass before they are overhauled again.

-----  
-----

FIGURE 4. TRANSFER OF AIRCRAFT FROM A ONE-TIME OVERHAUL TO A BLOCK/PATTERN SYSTEM (BUYER'S APPROVED OVERHAUL TIME LIMIT IS LOWER THAN THAT OF THE PREVIOUS OPERATOR.)

In this process it is first necessary to find the buyer's prorated "time since overhaul" and prorated "time remaining to overhaul" for the entire aircraft. This is accomplished by first applying the routine proration formula as shown below:

KNOWN

12,000 hours --- Previous operator's approved overhaul time limit.

3,000 hours --- Previous operator's time since overhaul.

8,000 hours --- Buyer's approved overhaul time limit which is to be divided into four blocks/patterns of 2,000 hours each (A, B, C, and D).

STEP I

$\frac{8,000}{12,000} \times 3,000 = 2,000$  --- Percent overhaul time used by previous operator.

STEP II

8,000 --- Buyer's approved overhaul time limit.  
x.250  
-----  
400.000  
1,600.0

-----  
2,000.000 --- Buyer's prorated TSO.

STEP III

8,000 --- Buyer's approved overhaul time limit.  
-2,000 --- Buyer's prorated TSO.  
-----  
6,000 --- Buyer's prorated time remaining to overhaul.

In this particular example, since the buyer has elected to transfer an aircraft from a one-time overhaul to a four block/pattern system, he should recognize that a substantial amount of his time remaining to overhaul will have to be sacrificed. This is brought about by the need to overhaul the entire aircraft prior to the accumulation of 6,000 additional hours and at the same time, phase selected portions of it into various blocks/patterns.

#### EXAMPLE

The buyer, desiring to establish a four block/pattern system, separates his maintenance program into four equal parts and places the item so separated into either block/pattern A, B, C, or D. Assuming the selection has been made, the block/pattern would look like this:

Block/pattern A = 2,000 hours (cumulative time = 2,000 hours)

Block/pattern B = 2,000 hours (cumulative time = 4,000 hours)

Block/pattern C = 2,000 hours (cumulative time = 6,000 hours)

Block/pattern D = 2,000 hours (cumulative time = 8,000 hours)

The effect of items in each block/pattern as the result of phasing them into a four block/pattern system would be as follows:

#### BLOCK/PATTERN A

These items would have to be overhauled at 2,000 hours TSO for the buyer.

This would result in a loss of 4,000 hours "time remaining to overhaul."

#### BLOCK/PATTERN B

These items would have to be overhauled at 4,000 hours TSO for the buyer.

This would result in a loss of 2,000 hours "time remaining to overhaul."

#### BLOCK/PATTERN C

These items will be overhauled at 6,000 hours TSO for the buyer. Since it was previously established through proration that this was the buyer's "time remaining to overhaul," no time will be sacrificed on the items scheduled in this block/pattern.

#### BLOCK/PATTERN D

The items in this block/pattern will have to be overhauled at a point at, or prior to 6,000 hours and again at 8,000 hours in order to properly phase them into the system. The initial time of overhaul of these particular items should be at the option of the buyer, providing they do not exceed 6,000 hours. There are several methods he may choose from to accomplish this initial

overhaul. Among these are:

1. Initially O.H. all block/pattern D items in block/pattern A
2. Initially O.H. all block/pattern D items in block/pattern B
3. Initially O.H. all block/pattern D items in block/pattern C
4. Initially O.H. 1/2 of all block/pattern D items in  
block/pattern and O.H. 1/2 of all block/pattern D items A  
in block/pattern B
5. Initially O.H. 1/2 of all block/pattern D items in  
block/pattern and O.H. 1/2 of all block/pattern D items B  
in block/pattern C
6. Initially O.H. 1/2 of all block/pattern D items in  
block/pattern and O.H. 1/2 of all block/pattern D items A  
in block/pattern C
7. Initially O.H. 1/3 of all block/pattern D items in  
block/pattern and O.H. 1/3 of all block/pattern D items A  
in block/pattern and O.H. 1/3 of all block/pattern D items B  
in block/pattern C

Because of the previously established prorated figure of 6,000 hours remaining to overhaul, the buyer stands to lose the same total amount of time regardless of which method he chooses. Method #7 appears to be the most practical approach, since it would tend to spread the workload over a 6,000 hour period. The entire block/pattern D would, of necessity, have to be overhauled again at 8,000 hours at which time all items would be correctly phased into their proper block/pattern. Consideration should be given by the assigned inspectors to the extent of inspection (overhaul) required in the case of initial overhauls that are accomplished early solely for the purpose of phasing an aircraft into a block/pattern system.

In the foregoing example, it can readily be seen that block A items at the time of initial overhaul by the buyer will actually have accumulated only 5,000 hours since previously overhauled while block/pattern C items will have accumulated 9,000 hours. In either case it must be remembered that another 8,000 hours will pass before they are overhauled again.

-----  
-----  
FIGURE 5. FORMAT FOR PRESENTATION OF PRORATION  
DATA ON AIRCRAFT BEING TRANSFERRED

Previous Operator ( \_\_\_\_\_ ) Buyer ( \_\_\_\_\_ )  
Identify Identify

Block/Pattern or Component & Serial No.	Approved Overhaul Time	Time Since Over- haul	Percent of Overhaul Time Used	Approved Overhaul Time	Pro- rated T.S.O.	Pro- rated Time To Over- haul
	(16000)	Respective		(12000)	Respective	
		Block/ Pattern			Block/ Pattern	
Block/Pattern A	4000	3000	.187	12000	2244	9756
Block/Pattern B	4000	15000	.937	12000	11244	756
Block/Pattern C	4000	11000	.687	12000	8244	3756
Block/Pattern D	4000	7000	.437	12000	5244	6756

FIGURE 6. TRANSFER OF PREVIOUSLY PRORATED AIRCRAFT

An aircraft was acquired by operator "X" and placed on his maintenance program through the proration process. After acquisition, "X" operated the aircraft for an additional 1,000 hours.

1. 12,000 hours = approved overhaul time for "X".
2. 3,000 hours = prorated TSO for "X" at time of acquisition.
3. 2,000 hours = actual TSO at time of acquisition by "X".
4. 1,000 hours = additional flight time added to aircraft by "X".
5.  $3,000 + 1,000 = 4,000$  hours - "X's" prorated TSO.
6.  $2,000 + 1,000 = 3,000$  hours - actual TSO on aircraft.

Operator "X" now desires to transfer the aircraft to operator "Y". The overhaul time is to be prorated for operator "Y" and his approved overhaul time is 14,000 hours.

7.  $3,000$  divided by  $12,000 = .250$  of overhaul time used by "X".
8. 14,000 hours = approved O.H. time for "Y".
9.  $14,000 \times .250 = 3,500$  hours prorated TSO for "Y".
10.  $14,000 - 3,500 = 10,500$  hours remaining to overhaul for operator "Y" at time of transfer.

NOTE: Actual TSO (Step 7) was used for purpose of proration to operator "Y", not the prorated TSO.

\* The buyer of a previously prorated aircraft whose approved overhaul time limits are identical to the previous operators may utilize the remaining prorated time of the previous operator.

When a buyer uses the remaining prorated time, a document shall be prepared listing the previous operator or operators' approved overhaul times on which the proration was based and shall be made part of the operations specifications by means of a preface page such as the example shown in Appendix 1, Figure 12. \*

-----

-----

FIGURE 7. PROCEDURES FOR CONVERTING CALENDAR OVERHAUL  
(MONTHS) TO HOURS SINCE OVERHAUL FOR PRORATION

PURPOSES

METHOD A

Previous operator's overhaul time limit is 18 months:  $(360 + 180 = 540)$ .

Previous operator's time since overhaul is 180 days.

Buyer's approved overhaul time limit is 2,000 hours.

COMPUTATIONS

180  
--- = .333 time since overhaul.  
540

.33 of 2,000 hours = 666 hours prorated time since overhaul for buyer.

2,000 hours - 666 = 1,334 hours. Buyer's prorated time remaining to overhaul.

METHOD B

Previous operator's overhaul time limit: 18 months or 540 days.

Previous operator's utilization time: 8 hours per day.

Previous operator's overhaul time limit in hours:  $(540 \text{ days} \times 8 \text{ hrs.}) = 4,320$ .

Previous operator's time since overhaul  $(180 \times 8 \text{ hours}) = 1,440$  hours.

Buyer's overhaul time limit is 2,000 hours.

COMPUTATIONS

Time since overhaul in percent:  $\frac{1400}{4320} = .333$

.333 of 2,000 hours = 666 hours prorated time since overhaul.

2,000 hours - 666 = 1,334 hours. Buyer's prorated time remaining to overhaul.

FIGURE 8. METHOD OF DEPICTING AREAS, SECTIONS, COMPONENTS, ETC., THAT ARE TIED TO A SPECIFIC BLOCK

The following presentation is an example of how items such as areas, sections, and appliances are included in a block. An operator should submit such items and relate the items to the block, or submit actual time for each item.

Block/Pattern A	Block/Pattern B	Block/Pattern C	Block/Pattern D
Nose gear assembly & components	Center Section	Right wing fuel cells	Empennage
Steering mechanism & controls	Left wing fuel cells	Lights	Rudder-vertical fin
Accumulators	Pylons, Nos. 1 & 2	Electrical units, components, connections, etc.	Stabilizer
Nose gear doors	Lines		
Brackets, hinges, etc.	Electrical connections	Hydraulics	Tail Compartment
Lights, wires, etc.	Flaps		Lights
Air inlets & anti-icing	Spoilers		Booster control
	Hydraulic		

fittings

Main landing  
gear assembly

-----  
-----  
FIGURE 9. OPERATIONS SPECIFICATIONS - PREFACE PAGE  
FOR AIRCRAFT ON PRORATED TIME

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FEDERAL AVIATION AGENCY  
WASHINGTON

Budget Bureau  
No. 04-R075.

Page of Page

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL

PREFACE PAGE FOR AIRCRAFT ON PRORATED TIME

The aircraft listed herein, including powerplants, propellers,  
and appliances which have prorated times, shall be overhauled in  
accordance with their respective limitations as set forth in:

Operations Specifications

Aircraft Maintenance

Amendment No. \_\_\_\_\_, Dated \_\_\_\_\_

These specifications are applicable to: Aircraft N\_\_\_\_\_ - Serial  
No. \_\_\_\_\_, its powerplants, propellers, and appliances until they  
are first overhauled. Thereafter, these specifications are  
cancelled and the aircraft will be inspected and overhauled in  
accordance with the \_\_\_\_\_ airlines maintenance program and the  
approved time limits.

Records maintained on the above aircraft shall show the actual  
and adjusted time since overhaul and, thereafter, such time in  
service shall be added thereto.

Effective date \_\_\_\_\_  
-----  
-----

FIGURE 10. OPERATIONS SPECIFICATIONS AIRCRAFT  
MAINTENANCE - GENERAL

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

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No. 04-R075.

Page of Page

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
(Part 121)

Irrespective of the type of operation to be conducted by (name of operator), the continuous airworthiness and inspection program limitations which are described and specified in these Operations Specifications shall be applicable to all (name of operator) aircraft listed and authorized for use under Federal Aviation Regulations 121.

The operator shall provide in its currently effective Maintenance Manual a comprehensive maintenance program necessary to fulfill its responsibility to maintain the aircraft in an airworthy condition in accordance with applicable Federal Aviation Regulations and Standards prescribed and approved by the Administrator.

The aircraft and its component parts, accessories, and appliances shall be maintained in an airworthy condition in accordance with the maximum time limits hereinafter set forth for the accomplishment of the overhaul, periodic inspections, and routine checks of the aircraft and its component parts, accessories, and appliances.

"On Condition" items will be maintained in a continuous airworthy condition by periodic and progressive inspections, checks, services, repair, and/or preventive maintenance and shall be appropriately described in the operator's Maintenance Manual.

Effective date \_\_\_\_\_  
-----  
-----

FIGURE 11. OPERATIONS SPECIFICATIONS - PREFACE PAGE  
FOR AIRCRAFT ON PRORATED TIME

UNITED STATES OF AMERICA

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL

PREFACE PAGE FOR AIRCRAFT ON PRORATED TIME

The aircraft listed hereon, including powerplants, propellers, and appliances which have prorated times, shall be overhauled in accordance with the respective limits as set forth in:

Proration Document

No. \_\_\_\_\_

Dated \_\_\_\_\_

This document is applicable to: Aircraft N \_\_\_\_ - Serial No. \_\_\_\_\_, its powerplants, propellers, and appliances until they are first overhauled. Thereafter, this document is cancelled and the aircraft will be inspected and overhauled in accordance with the \_\_\_\_\_ airlines maintenance program and the approved time limits.

Records maintained on the above aircraft shall show the actual and adjusted time since overhaul and, thereafter, such time in service shall be added thereto.

Effective date \_\_\_\_\_

-----  
\* FIGURE 12. OPERATIONS SPECIFICATIONS - PREFACE PAGE FOR AIRCRAFT USING PREVIOUS OPERATORS REMAINING PRORATED TIMES.

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
WASHINGTON

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OMB No. 04-R0075

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL

PREFACE PAGE FOR AIRCRAFT ON PRORATED TIME

The aircraft listed hereon had the airframe overhaul times prorated when it was transferred from \_\_\_\_\_ Airlines with an FAA approved overhaul time of 16,000 for the airframe to \_\_\_\_\_ Airlines with an approved time of 12,000 hours. The aircraft is now operated by \_\_\_\_\_ Aviation who also has 12,000 hours airframe overhaul time. Therefore this aircraft is approved to use the remaining prorated time of \_\_\_\_\_ Airlines and shall be overhauled in accordance with the respective limits set forth in:

Proration Document

No. \_\_\_\_\_

Dated \_\_\_\_\_

This document is applicable to: Aircraft N \_\_\_\_\_ - Serial No. \_\_\_\_\_, until its first overhaul. Thereafter, this document is cancelled and the aircraft will be inspected and overhauled in accordance with the \_\_\_\_\_ airlines maintenance program and the approved time limits.

Records maintained on the above aircraft shall show the actual and adjusted time since overhaul and, thereafter, such time in service shall be added thereto.

Effective date \_\_\_\_\_

Appendix 2

FIGURE 1. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- AVIONICS

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FEDERAL AVIATION AGENCY  
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PART D

PAGE 1 of 2 PAGES

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
AVIONICS

Overhaul  
Period \*\*

Inspection &  
Check Period \*\*

Communications\*. Chapter 23

Fixed Equipment - Wiring, plugs,  
filters, junction boxes, relays,  
resistors, capacitors, fuses,  
circuit breakers, transformers,  
antennas, transmission lines,  
switches, controls, mounts, etc.

H. F. Communication System

V. H. F. Communication System

Sel-Cal Decoder

P. A. System

Amplifier

Interphone System

Amplifier

May be determined by assigned inspector \*\*

Navigation\*. Chapter 34 (Radio-Radar)

Fixed Equipment - Wiring, plugs,  
filters, junction boxes, relays,  
resistors, capacitors, fuses,  
circuit breakers, transformers,  
antennas, transmission lines,  
switches, controls, mounts, etc.

L. F. Navigation System

Receiver

Loop Antenna

V. H. F. Navigation System

Receiver (VOR/LOC)

Instrumentation Unit

I. L. S. System

G. S. Receiver

Localizer Receiver

Marker Receiver

Loran System

Weather Radar System

Radar Altimeter System

ATC Transponder

Flight Director

Computer/Amplifier

Gyro

May be determined by assigned inspector \*\*

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 AVIONICS

NOTE \* The term "System" means all those interdependent subassemblies, components, parts, etc., necessary for the proper functioning of the system as a whole. All the individual components of the system should be listed.

Effective date \_\_\_\_\_

FIGURE 2. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - DART 510/525

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 FEDERAL AVIATION AGENCY  
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PART D

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE

ENGINE MAKE - ROLLS ROYCE	PROPELLER MAKE - DOWTY ROTOL
ENGINE MODEL - DART 510	PROPELLER MODEL - R130/4-20-3/12E
ENGINE MODEL - DART 525	PROPELLER MODEL - R170/4-20-4/33

	Overhaul Period	Inspection & Check Period
Propellers, Chapter 61		
Alternator - Sync. Propeller	2000	
Controller Propeller	3500	
Motor - Propeller Feathering	3500	
Propeller Assembly	3500	
Pump - Propeller Feathering	3500	
Powerplant General, Chapter 71		
Cowling	OC	
Mount - Engine	EO	

Engine, Chapter 72		
Accessory Gearbox	3400	
ACC Gearbox drive	1400	
Engine - Basic	3000 *	

Engine Fuel & Control, Chapter 73	
Control Unit, Fuel Flow	4200
Indicator - Fuel Flow	7000
Pump - Engine Drive	3000
Transmitter - Fuel Flow	2800
Ignition System - Chapter 74	
Box, Ignition	EO
Engine Indicating, Chapter 77	
Generator DC	1400
Indicator - Tachometer	2400
Indicator - Torque Pressure	6000
Transmitter - Torque Pressure	EO
Exhaust System - Chapter 78	
Exhaust Unit	EO
Oil System, Chapter 79	
Transmitter - Oil Pressure	4000
Indicator - Oil Pressure	4000

\* Sample one hot section inspection at 2000 hours, one engine overhaul at 2400 hours, and one engine overhaul at 2700 hours.

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

ENGINE MAKE - ROLLS ROYCE	PROPELLER MAKE - DOWTY ROTOL
ENGINE MODEL - DART 510	PROPELLER MODEL - R179/4-20-4/33

Overhaul	Inspection &
Period	Check Period

Water Injection - Chapter 82

Actuator ADI	2500
Pump ADI	1400

Switch, Pressure Warning	EO
Valve, Pressure Relief	3000

Effective date \_\_\_\_\_

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FIGURE 3. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- DART 525

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE

ENGINE MAKE - ROLLS ROYCE      PROPELLER MAKE - DOWTY ROTOL  
ENGINE MODEL - DART 525      PROPELLER MODEL - R130/4-20-4/12E

	Overhaul Period	Inspection & Check Period
Propellers, Chapter 61		
Alternator - Sync. Propeller	2000	
Controller Propeller	3500	
Motor, Propeller Feathering	3500	
Propeller Assembly	3500	
Pump - Propeller Feathering	3500	
Power Plant General, Chapter 71		
Cowling	OC	
Mount, Engine	EO	
Engine, Chapter 72		
Engine, Basic	3000 *	
Engine Fuel & Control, Chapter 73		
Control Unit, Fuel Flow	4200	
Indicator, Fuel Flow	7000	
Pump, Engine Driven	3000	
Transmitter, Fuel Flow	2800	
Ignition System, Chapter 74		
Box, Ignition	EO	
Engine Indicating, Chapter 77		
Generator DC	1400	
Indicator, Tachometer	2400	
Indicator, Torque Pressure	6000	
Transmitter, Torque Pressure	EO	
Exhaust System, Chapter 78		
Exhaust Unit	EO	
Oil System, Chapter 79		
Transmitter, Oil Pressure	4000	
Indicator, Oil Pressure	4000	

Starting, Chapter 80  
Starter

EO

Water Injection, Chapter 82

Actuator ADI 2500  
Pump ADI 1400  
Valve, Pressure Relief EO

\* Sample one hot section inspection at 2000 hours, one engine  
overhaul at 2400 hours, and one engine overhaul at 2700 hours.

Effective date \_\_\_\_\_  
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FIGURE 4. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- PRATT & WHITNEY - R2000 SERIES

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
R2000 SERIES

	Overhaul Period	Inspection & Check Period
Propellers, Chapter 61		
Motor, Propeller Feathering	3000	
Propeller Assembly	3000	
Propeller Governors	1500	
Pump, Propeller Feathering	3000	
Power Plant - General, Chapter 71		
Actuator, Cowl Flap	3000	
Cowling	1500	
Mount, Engine	1500	
Engine, Chapter 72		
Engine, Basic	1500	
Engine Fuel & Control, Chapter 73		
Carburetor Assembly	3000	
Indicator, Fuel Flow	4500	
Indicator, Fuel Pressure	4500	
Pump, Engine Driven	1500	

Transmitter, Fuel Flow	4500
Transmitter, Fuel Pressure	4500
Warning Unit, Fuel Pressure	4500

Ignition, Chapter 74	
Ignition Harness	1500
Spark Plugs	OC

Engine Indicating, Chapter 77	
Indicator, BMEP	4500
Indicator, Carburetor Air Temperature	4500
Indicator, Cylinder Head Temperature	4500
Indication, Manifold Pressure	4500
Indicator, Tachometer	4500
Tachometer, Generator	3000

Exhaust, Chapter 78	
Exhaust Manifold Assembly	1500

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
R2000 SERIES

	Overhaul Period	Inspection & Check Period
Oil, Chapter 79		
Indicator, Oil Pressure	3900	
Indicator, Oil Quantity	3900	
Indicator, Oil Temperature	3900	
Oil Tank (3 E/C)		
Regulator, Oil Cooler	1300	
Transmitter, Oil Pressure	3900	
Transmitter, Oil Quantity	3900	
Transmitter, Torque Pressure	3900	
Valve, Emergency Shutoff	3900	
Warning Unit, Oil Pressure	3900	
Starters, Chapter 80		
Relay, Starter	3900	
Starter	2600	

NOTE: Components or subcomponents of power plants that have overhaul time limitations in multiples of the basic engine overhaul time limitation shall receive an appropriate

inspection, check or test at the basic engine overhaul period.

Effective date December 15, 1962

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FIGURE 5. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- PRATT & WHITNEY - R2800 SERIES

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
R2800 SERIES

	Overhaul Period	Inspection & Check Period
Propellers, Chapter 61		
Motor, Propeller Feathering	3000	
Propeller Assembly	2500	
Propeller Governors	1500	
Pump, Propeller Feathering	3000	
Power Plant - General, Chapter 71		
Actuator, Cowl Flap	3000	
Cowling	1500	
Mount, Engine	1500	
Engine, Chapter 72		
Engine, Basic	1500	
Engine Fuel & Control, Chapter 73		
Carburetor Assembly	3000	
Indicator, Fuel Pressure	4500	
Pump, Engine Driven	1500	
Transmitter, Fuel Pressure	4500	
Warning Unit, Fuel Pressure	4500	
Ignition, Chapter 74		
Ignition Harness	1500	
Spark Plugs	330	
Engine Indicating, Chapter 77		

Indicators, BMEP	4500
Indicators, Carburetor Air Temperature	4500
Indicators, Cylinder Head Temperature	4500
Indicators, Manifold Pressure	4500
Tachometer, Generator	3000
Exhaust, Chapter 78	
Exhaust Manifold Assembly	1500

Effective date December 15, 1962

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
R-2800 and R-2800 C-CA-CB SERIES

	Overhaul Period	Inspection & Check Period
Oil, Chapter 79		
Indicator, Oil Pressure	4500	
Indicator, Oil Quantity	4500	
Indicator, Oil Temperature	4500	
Oil Tank (3 E/C)		
Regulator, Oil Cooler	1700	
Transmitter, Oil Pressure	4500	
Transmitter, Oil Quantity	4500	
Transmitter, Torque Pressure	4500	
Valve, Emergency Shutoff	4500	
Warning Unit, Oil Pressure	4500	
Starters, Chapter 80		
Relay, Starter	4500	
Starter	1700	
Water Injection, Chapter 82		
Indicator, Water Pressure	4200	
Indicator, Water Quantity	4200	
Pump, Water Injection (ADI)	4200	
Solenoid (4 E/C)		
Transmitter, Water Quantity	4200	
Valve, Oil Pressure	4200	

NOTE: Components or subcomponents of power plants that have overhaul time limitations in multiples of the basic engine overhaul time limitation shall receive an appropriate

inspection, check or test at the basic engine overhaul period.

Effective date \_\_\_\_\_

FIGURE 7. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- WRIGHT AERO - R1820 SERIES  
PRATT & WHITNEY R-1830 SERIES

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
R-1820 and R-1830 SERIES

	Overhaul	Inspection &
	Period	Check Period
Propellers, Chapter 61		
Motor, Propeller Feathering	2600	
Propeller Assembly	2600	
Propeller Governors	EO	
Pump Propeller Feathering	2600	
Power Plant - General, Chapter 71		
Actuator, Cowl Flap	EO	
Cowling	EO	
Mount, Engine	EO	
Engine, Chapter 72		
Engine, Basic	1300	
Engine Fuel & Control, Chapter 73		
Carburetor Assembly	(2 EO)	
Indicators, Fuel Pressure	3600	
Pump, Engine Driven	EO	
Transmitter, Fuel Pressure	3600	
Warning Unit, Fuel Pressure	3600	
Ignition, Chapter 74		
Ignition Harness	EO	
Spark Plugs	OC	
Vibrator	EO	

Engine Indicating, Chapter 77	
Indicators, Carburetor Air	
Temperature	4800
Indicators, Cylinder Head	
Temperature	4800
Indicators, Manifold Pressure	4800
Tachometer, Generator	2600
Indicator, Tachometer Generator	4800
Exhaust, Chapter 78	
Exhaust Manifold Assembly	EO
Oil, Chapter 79	
Indicator, Oil Pressure	4800
Indicator, Oil Quantity	4800
Indicator, Oil Temperature	4800
Regulator, Oil Cooler	EO
Valve, Emergency Shutoff	3600

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
R-1820 and R-1830 SERIES ENGINE

	Overhaul Period	Inspection & Check Period
Starters, Chapter 80		
Relay, Starter	3600	
Starter	EO	

NOTE: Components or subcomponents of power plants that have overhaul time limitations in multiples of the basic engine overhaul time limitations shall receive an appropriate inspection, check or test at the basic engine overhaul period.

Effective date \_\_\_\_\_

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 FIGURE 9. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - WRIGHT AERO - C18 SERIES

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
C18 SERIES

	Overhaul Period	Inspection & Check Period
Propellers, Chapter 61		
Motor, Propeller Feathering	2800	
Propeller Assembly                   43E60	2500	
Propeller Assembly                   C634-S/C400	2500	
Propeller Governors	1400	
Pump, Propeller Feathering	2800	
Power Plant - General, Chapter 71		
Actuator, Cowl Flap	2800	
Cowling	1400	
Mount, Engine	1400	
Engine, Chapter 72		
Engine, Basic	1400	
Engine Fuel & Control, Chapter 73		
Indicator, Fuel Flow	4200	
Indicator, Fuel Pressure	4200	
Master Control Unit	2800	
Pump, Engine Driven	1400	
Pump, Fuel Injection	1400	
Transmitter, Fuel Flow	4200	
Transmitter, Fuel Pressure	4200	
Warning, Fuel Pressure	4200	
Ignition, Chapter 74		
Ignition Harness	4200	
Spark Plugs	330	
Engine Indicating, Chapter 77		
Indicator, BMEP	4200	
Indicator, Carburetor Air Temperature	4200	
Indicator, Cylinder Head Temperature	4200	
Indicator, Manifold Pressure	4200	
Indicator, Tachometer	4200	
Tachometer, Generator	2800	
Exhaust, Chapter 78		
Exhaust Manifold Assembly	1400	

Effective date December 15, 1962

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
C18 SERIES

Overhaul  
Period                      Inspection &  
Check Period

Oil, Chapter 79

Indicator, Oil Pressure	4200
Indicator, Oil Quantity	4200
Indicator, Oil Temperature	4200
Oil Tank	(3 E/C)
Regulator, Oil Cooler	1400
Transmitter, Oil Pressure	4200
Transmitter, Oil Quantity	4200
Transmitter, Torque Pressure	4200
Valve, Emergency Shutoff	4200
Warning Unit, Oil Pressure	4200

Starter, Chapter 80

Relay, Starter	4200
Starter	1400

NOTE: Components or subcomponents of power plants that have overhaul time limitations in multiples of the basic engine overhaul time limitation shall receive an appropriate inspection, check or test at the basic overhaul period.

Effective date December 15, 1962

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FIGURE 10. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- WRIGHT AERO - TC18 SERIES

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
TC-18 SERIES

Overhaul                      Inspection &

	Period	Check Period
Propellers, Chapter 61		
Motor, Propeller Feathering	2400	
Propeller Assembly	34E60 2500	
Propeller Assembly	34H60 2000	
Propeller Governors	1200	
Pump, Propeller Feathering	2400	
Power Plant - General, Chapter 71		
Actuator, Cowl Flap	2400	
Cowling	1200	
Mount, Engine	1200	
Engine, Chapter 72		
Engine, Basic	1200	
Engine Fuel & Control, Chapter 73		
Indicators, Fuel Flow	4800	
Indicators, Fuel Pressure	4800	
Master Control Unit	2400	
Pump, Engine Driven	1200	
Pump, Fuel Injection	1200	
Transmitter, Fuel Flow	4800	
Transmitter, Fuel Pressure	4800	
Warning Unit, Fuel Pressure	4800	
Ignition, Chapter 74		
Ignition Harness	1200	
Spark Plugs	330	
Engine Indicating, Chapter 77		
Indicators, BMEP	4800	
Indicators, Cylinder Head	4800	
Indicators, Manifold Pressure	4800	
Indicators, Tachometers	4800	
Tachometer, Generator	2400	
Exhaust, Chapter 78		
Exhaust Manifold Assembly	1200	

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
TC-18 SERIES

Overhaul                      Inspection &

	Period	Check Period
Oil, Chapter 79		
Indicator, Oil Pressure	4800	
Indicator, Oil Quantity	4800	

Indicator, Oil Temperature	4800	
Oil Tank (3 E/C)		
Regulator, Oil Cooler	1200	
Transmitter, Oil Pressure	4800	
Transmitter, Oil Quantity	4800	
Transmitter, Torque Pressure	4800	
Valve, Emergency Shutoff	3600	
Warning Unit, Oil Pressure	4800	

Starter, Chapter 80		
Relay, Starter	3600	
Starter	1200	

Turbine, Chapter 81		
Cooling Cap, Flight Hood	1200	
Power Recovery Turbine	1200	

NOTE: Components or subcomponents of power plants that have overhaul time limitations in multiples of the basic engine overhaul time limitation shall receive an appropriate inspection, check or test at the basic engine overhaul period.

Effective date December 15, 1962

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 FIGURE 11. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - CONVAIR - CV-240/340/440

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 CONVAIR CV-240/340/440

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	12,000	
Actuators & Valves	6,000	

Expansion Turbine	4,000
Indicator, Cabin Altitude	6,000
Indicator, Cabin Rate of Change	6,000
Regulators, Pressure	4,000
Selector, Cabin Altitude	6,000
Selector, Cabin Rate of Change	6,000
Turbo-Compressor	2,000
Valve-Auto Emergency	4,000
Auto Pilot, Chapter 22	12,000
Electrical, Chapter 24	12,000
Ammeter & Voltmeter	6,000
Control Panel, Generator	2,000
Generator	Engine Change
Inverter, Emergency	5,000
Inverter, Main	2,000
Relay, Battery	6,000
Equipment & Furnishings, Chapter 25	12,000
Chute, Evacuation	OC
First-Aid Kit	6 months
Bottle-Slide Inflation	3 years *
Fire Protection, Chapter 26	12,000
Cylinders	*
Panel, Fire Detector	6,000
Selector & Tank (CV-340,440)	8,000

\* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

Flight Controls, Chapter 27	12,000
Indicator, Wing Flap Position	6,000
Motor, Wing Flap Actuating	6,000
Transmitter, Wing Flap Position	6,000
Valve, Wing Flap Selector	5,000
Fuel, Chapter 28	12,000
Indicator, Fuel Quantity	5,000
Pump, Fuel Boost	5,000
Transmitter, Fuel Quantity	5,000
Valve & Motor Cross-Feed	8,000
Valve & Motor Fuel Supply Shutoff	4,000
Valve, Vapor Vent Check	4,000

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-240/340/440

	Overhaul Period	Inspection & Check Period
Hydraulic, Chapter 29	12,000	
Accumulator	8,000	
Indicator, Hydraulic Pressure	6,000	
Pump, Auxiliary Hydraulic	6,000	
Regulator, Pressure	6,000	
Transmitter, Hydraulic Pressure	6,000	
Valve, Unloading	6,000	
Ice & Rain, Chapter 30	12,000	
Indicator, Augmentor Vane	6,000	
Relay, Propeller Deice	6,000	
Timer, Propeller Deicer	6,000	
Transmitter, Anti-ice Temperature	6,000	
Transmitter, Augmentor Vane	6,000	
Valve, Heat Source	4,000	
Valve, Tail anti-ice	8,000	
Instruments, Chapter 31	12,000	
Clock	OC	
Landing Gears, Chapter 32	12,000	
Bottle, Emergency Air	*	
Cylinders, Main and Nose Actuating	4,000	
Indicator, Brake Hydraulic Pressure	6,000	
Transmitter, Brake Hydraulic Pressure	6,000	
Valve, Power Brake	8,000	
Wheels, Tires & Brakes	OC	
<p>* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.</p>		
Lights, Chapter 33	12,000	
Flasher	4,000	
Navigation, Chapter 34	12,000	
Altimeter	3,000	**
Compass, Magnetic	6,000	
Indicator, Air Speed	4,000	
Indicator, Gyro Horizon	3,000	

Indicator, Outside Air Temperature	6,000
Indicator, Rate of Climb	5,000
Indicator, Turn & Bank	3,000

\*\* Calibrate every 24 months

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 CONVAIR CV-240/340/440

	Overhaul Period	Inspection & Check Period
Oxygen, Chapter 35 Bottle, Oxygen	12,000 *	
Fuselage, Chapter 53	12,000	
Nacelles, Chapter 54	12,000	
Stabilizer, Chapter 55	12,000	
Wings, Chapter 57	12,000	
Propellers, Chapter 61 Box, Propeller Reverse Relay	4,000	
Relay, Propeller Feather	6,000	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

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FIGURE 12. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - CURTISS WRIGHT C-46 SERIES

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CURTISS C-46

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	10,000	
Heaters & Blower	2,500	
Auto-Pilot, Chapter 22	10,000	
Bank & Climb	1,500	
Control, Directional Gyro	1,500	
Servo	6,000	
Valve, Balance Oil	6,000	
Electrical, Chapter 24	10,000	
Ammeter & Voltmeter	6,000	
Generator	EC	
Inverter, Emergency	5,000	
Inverter, Main	2,000	
Regulator, Voltage	2,000	
Relay, Reverse Current	2,000	
Equipment & Furnishings, Chapter 25	10,000	
First-Aid Kit	6 months	
Transmitter, Emergency	6 months	
Fire Protection, Chapter 26	10,000	
Cylinders, CO2	*	
Cylinder (wt. check)	6 months	
* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect		
Flight Controls, Chapter 27	10,000	
Cylinder, Flap Actuating	6,000	
Indicator, Wing Flap Position	6,000	
Transmitter, Wing Flap Position	6,000	
Fuel, Chapter 28	10,000	
Indicator, Fuel Quantity	6,000	
Pump, Fuel Boost	4,500	
Transmitter, Fuel Quantity	6,000	
Hydraulic, Chapter 29	10,000	
Accumulator	8,000	
Filter, Main	5,000	Note 1

Indicator, Hydraulic Quantity	6,000
Pump, Auxiliary Hydraulic	6,000
Transmitter, Hydraulic Quantity	6,000

Note 1 - Sample filters at 2000 and 4000 to substantiate the 5000 hours.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CURTISS C-46

	Overhaul Period	Inspection & Check Period
Ice & Rain, Chapter 30	10,000	
Indicator, Deice Pressure	6,000	
Motor, Wing Deice	1 year	
Pump, Alcohol Anti-ice	1 year	
Instruments, Chapter 31	10,000	
Clock	OC	
Landing Gear, Chapter 32	10,000	
Bottle, Emergency Air	*	
Wheels, Tires & Brakes	OC	
Lights, Chapter 33	10,000	
Flasher	4,000	
Navigation, Chapter 34		
Altimeter	3,000	(calibrate every 24 months)
Compass, Magnetic	6,000	
Indicator, Air Speed	4,000	
Indicator, Gyro Horizon	3,000	
Indicator, Outside Air Temperature	6,000	
Indicator, Turn & Bank	6,000	
Indicator, Rate of Climb	4,000	
Oxygen, Chapter 35	10,000	
Bottle Oxygen	*	
Indicator, Oxygen Pressure	6,000	
Vacuum, Chapter 36	10000	

\* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

Indicator, Vacuum Pressure	6000
Valve, Relief	6000
Fuselage, Chapter 53	10000
Nacelles, Chapter 54	10000
Stabilizers, Chapter 55	10000
Wings, Chapter 57	10000

Effective date \_\_\_\_\_

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FIGURE 13. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- DOUGLAS - DC-3 SERIES

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-3 SERIES

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	12,000	
Heater	2,500	
Auto-Pilot, Chapter 22	12,000	
Bank & Climb	1,500	
Control, Directional Gyro	1,500	
Servo	6,000	
Valve, Balance Oil	6,000	
Electrical, Chapter 24	12,000	
Ammeter & Voltmeter	6,000	
Generator	EC	
Inverter, Emergency	5,000	
Inverter, Main	2,000	
Regulator, Voltage	2,000	
Relay, Reverse Current	2,000	
Equipment & Furnishings, Chapter 25	12,000	
First-Aid Kit	6 months	
Transmitter, Emergency	6 months	

Life Vests and Rafts	1 year
Fire Protection, Chapter 26	12,000
Cylinders, CO2	*
Panel, Fire Detector	6,000
Bottle Weight Check	6 months

\* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

Flight Controls, Chapter 27	12,000
Cylinder, Flap Actuating	6,000
Fuel, Chapter 28	12,000
Indicator, Fuel Quantity	6,000
Pump, Fuel Boost	4,500
Transmitter, Fuel Quantity	6,000
Hydraulic, Chapter 29	12,000
Accumulator	8,000
Indicator Hydraulic Pressure	6,000
Pump, Engine Driven	EC

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-3 SERIES

	Overhaul Period	Inspection & Check Period
Ice & Rain, Chapter 30	12,000	
Indicator, Deice Pressure	6,000	
Motor, Wing Deice	1 year	
Pump, Alcohol Anti-ice	1 year	
Instruments, Chapter 31	12,000	
Clock	OC	
Landing Gear, Chapter 32	12,000	
Bottle, Emergency Air	*	
Indicator, Landing Gear Pressure	6,000	
Wheels, Tires & Brakes	OC	
Lights, Chapter 33	12,000	
Flasher	4,000	

Navigation, Chapter 34	12,000
Altimeter	3,000**
Indicator, Air Speed	4,000
Compass, Magnetic	6,000
Indicator, Gyro Horizon	3,000
Indicator, Outside Air Temperature	6,000
Indicator, Rate of Climb	4,000
Indicator, Turn & Bank	3,000

\*\* Calibrate every 24 months per FAR

Oxygen, Chapter 35	12,000
Bottle, Oxygen	*
Indicator, Oxygen Pressure	6,000

\* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

Vacuum, Chapter 37	12,000
Indicator, Vacuum	6,000
Valve, Relief	6,000
Pump, Engine Driven	EC

Fuselage, Chapter 53 12,000

Nacelles, Chapter 54 12,000

Stabilizers, Chapter 55 12,000

Wings, Chapter 57 12,000

Effective date \_\_\_\_\_

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 FIGURE 14. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - DOUGLAS - DC-4 SERIES

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 FEDERAL AVIATION AGENCY  
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PART D

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 DOUGLAS DC-4

Overhaul                      Inspection &

	Period	Check Period
Air Conditioning, Chapter 21	12,000	
Blower, Nose Heater	6,000	
Heater, Cabin	2,500	
Heater, Nose	2,500	
Auto-Pilot, Chapter 22	12,000	
Electrical, Chapter 24	12,000	
Ammeter & Voltmeter	6,000	
Generator	EC	
Inverter, Emergency	5,000	
Inverter, Main	2,000	
Regulator, Voltage	2,000	
Relay, Battery	6,000	
Equipment & Furnishings, Chapter 25	12,000	
Chute, Evacuation	1 year	
First-Aid Kit	6 months	
Life Vest & Raft	1 year	
Transmitter, Emergency	6 months	
Fire Protection, Chapter 26	12,000	
Cylinders	*	
Panel, Fire Detector	6,000	
Cylinder Weight Check	6 months	

\* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

Flight Controls, Chapter 27	12,000
Indicator, Flap Position	6,000
Transmitter, Flap Position	6,000
Fuel, Chapter 28	12,000
Indicator, Fuel Quantity	5,000
Pump, Fuel Boost	4,500
Transmitter, Fuel Quantity	4,000
Hydraulic, Chapter 29	12,000
Accumulator	8,000
Indicator, Hydraulic Pressure	6,000
Pump, Auxiliary Hydraulic	6,000
Regulator, Pressure	6,000
Transmitter, Hydraulic Pressure	6,000
Firewall shutoff	5,000

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-4

	Overhaul Period	Inspection & Check Period
Ice & Rain, Chapter 30	12,000	
Indicator, Anti-ice Quantity	6,000	
Indicator, Deice Pressure	6,000	
Pump, Alcohol	8,000	
Solenoids, Anti-ice	6,000	
Transmitter, Anti-ice Quantity	6,000	
Instruments, Chapter 31	12,000	
Clock	OC	
Landing Gear, Chapter 32	12,000	
Bottle, Emergency Air	*	
Wheels, Tires & Brakes	OC	
Lights, Chapter 33	12,000	
Flasher	4,000	
Rotating Beacon	OC	
Navigation, Chapter 34	12,000	
Altimeter	3,000 **	
Compass, Magnetic	6,000	
Indicator, Air Speed	4,000	
Indicator, Gyro Horizon	3,000	
Indicator, Outside Air Temperature	6,000	
Indicator, Rate of Climb	4,000	
Indicator, Turn & Bank	3,000	
** Calibrate every 24 months		
Oxygen, Chapter 35	12,000	
Bottle, Oxygen	*	
* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.		
Fuselage, Chapter 53	12,000	
Nacelles, Chapter 54	12,000	
Stabilizers, Chapter 55	12,000	

Wings, Chapter 57

12,000

Effective date \_\_\_\_\_

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FIGURE 15. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- DOUGLAS - DC-6, DC-7

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PART D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-6, DC-7

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	12,000	
Accessory Containers	4,000	
Expansion Turbine	4,000	
Actuators & Valves	6,000	
Heater Unit	2,500	
Turbo-Compressor	2,000	
Unit, Ignition	2,500	
Auto-Pilot, Chapter 22	12,000	
Amplifier (A-12)	4,000	
Engaging Control	8,000	
Gyro-Compass Control	4,000	
Gyro-Compass, Repeater	4,000	
Pedestal Controller	6,000	
Servo, Controller	2,500	
Servo, Unit	6,000	
Vertical Gyro Control	4,000	
Electrical, Chapter 24	12,000	
Ammeter & Voltmeter	6,000	
Generator	EC	
Inverter, Emergency	5,000	
Inverter, Main	2,000	
Regulator, Voltage	2,000	
Relay, Battery	6,000	
Equipment & Furnishings, Chapter 25	12,000	
Chute, Evacuation	1 year	

First-Aid Kit	6 months
Life Vest & Raft	1 year
Transmitter, Emergency	6 months
Fire Protection, Chapter 26	12,000
Cylinders	*
Panel, Fire Detector	6,000
Cylinders, Weight Check	6 months

\* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-6, DC-7

	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27	12,000	
Indicator, Wing Flap Position	6,000	
Transmitter, Wing Flap Position	6,000	
Fuel, Chapter 28	12,000	
Indicator, Fuel Quantity	4,500	
Pump, Fuel Boost	4,500	
Transmitter, Fuel Quantity	4,000	
Hydraulic, Chapter 29	12,000	
Accumulator	8,000	
Indicator, Hydraulic Pressure	6,000	
Pump, Auxiliary Hydraulic	6,000	
Regulator, Pressure	6,000	
Transmitter, Hydraulic Pressure	6,000	
Ice & Rain Protection, Chapter 30	12,000	
Accessory, Containers	4,000	
Blowers, Wing & Empennage Heater	8,000	
Heater, Wing & Empennage	8,000	
Unit, Ignition	2,500	
Instruments, Chapter 31	12,000	
Clock	OC	
Landing Gear, Chapter 32	12,000	

Bottle, Emergency Air	*
Wheels, Tires & Brakes	OC

\* Inspections, hydraulic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

Lights, Chapter 33	12,000
Flasher	4,000
Navigation, Chapter 34	12,000
Altimeter	3,000 **
Compass, Magnetic	6,000
Indicator, Air Speed	4,000
Indicator, Gyro Horizon	3,000
Indicator, Outside Air Temperature	6,000
Indicator, Rate of Climb	4,000
Indicator, Turn & Bank	3,000

\*\* Calibrate every 24 months

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-6, DC-7

	Overhaul Period	Inspection & Check Period
Oxygen, Chapter 35 Cylinder	12,000 *	

\* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

Fuselage, Chapter 53	12000
Nacelles, Chapter 54	12000
Stabilizers, Chapter 55	12000
Wings, Chapter 57	12000

Effective date \_\_\_\_\_

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FIGURE 16. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- LOCKHEED - L-049/749/1049/1649

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED L-049/749/1049/1649

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	12,000	
Actuators & Valves	6,000	
Blower, Flight Station	2,000	
Expansion Turbine	4,000	
Fan, Heat Exchanger Cooling	4,000	
Heat Cycling & Overheat Assembly	9,000	
Heater Unit	2,500	
Ignition Unit	2,500	
Indicator, Cabin Altitude	6,000	
Indicator, Cabin Rate of Change	6,000	
Pump, Cabin Supercharger Reactor	2,000	
Pump, Heater Fuel	6,000	
Selector, Cabin Altitude	6,000	
Selector, Cabin Rate of Change	6,000	
Separator, Water	6,000	
Turbo-Compressor	2,000	
Auto-Pilot, Chapter 22	12,000	
Electrical, Chapter 24	12,000	
Ammeter & Voltmeter	6,000	
Generator	EC	
Inverter, Emergency	5,000	
Inverter, Main	2,000	
Regulator, Voltage	2,000	
Relay, Battery	6,000	
Equipment & Furnishings, Chapter 25	12,000	
Evacuation Chute	OC	
First-Aid Kit	6 months	
Life Vests & Raft	6 months	
Transmitter, Emergency	4 months	
Fire Protection, Chapter 26	12,000	

Cylinders

\*

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	12,000
Indicator, Wing Flap Position	6,000
Transmitter, Wing Flap Position	6,000

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED L-049/749/1049/1649

	Overhaul Period	Inspection & Check Period
Fuel, Chapter 28	12,000	
Indicator, Fuel Quantity	4,000	
Pump, Fuel Boost	4,000	
Transmitter, Fuel Quantity	4,000	
Hydraulic, Chapter 29	12,000	
Accumulator	8,000	
Dampener	8,000	
Indicator, Hydraulic Pressure	6,000	
Pump, Auxiliary Hydraulic	6,000	
Regulator, Pressure	6,000	
Ice & Rain, Chapter 30	12,000	
Box, Windshield Anti-ice Control	4,000	
Motor, Cowl Flap	4,000	
Pump, Anti-ice	8,000	
Pump, Deicer	4,000	
Windshield Wiper Assembly	4,000	
Instruments, Chapter 31	12,000	
Clock	OC	
Landing Gear, Chapter 32	12,000	
Bottle, Emergency Air	*	
Wheels, Tires & Brakes	OC	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Lights, Chapter 33	12,000
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Flasher	4,000
Navigation, Chapter 34	12,000
Altimeter	3,000 **
Compass, Magnetic	6,000
Indicator, Air Speed	4,000

Indicator, Gyro Horizon	3,000
Indicator, Outside Air Temperature	6,000
Indicator, Rate of Climb	4,000
Indicator, Turn & Bank	3,000

\*\* Bench check every 12 months.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED L-049/749/1049/1649

	Overhaul Period	Inspection & Check Period
Oxygen, Chapter 35	12,000	
Bottle, Oxygen	*	
Regulator, Oxygen Flow	8,000	
Fuselage, Chapter 53	12,000	
Nacelles, Chapter 54	12,000	
Stabilizers, Chapter 55	12,000	
Wings, Chapter 57	12,000	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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FIGURE 17. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- MARTIN M-202/404

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
MARTIN M-202/404

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	12,000	
Actuators & Valves	6,000	
Blower, Cabin	2,000	
Blower, Combustion Air	3,000	
Box, Cabin Temperature Control	4,000	
Control, Fuel Assembly	4,000	
Heater Unit	2,500	
Ignition Units	2,500	
Solenoid Valves & Filters	4,000	
Switches, Ram Air	6,000	
Turbo Compressor	2,000	
Auto-Pilot, Chapter 22	12,000	
Electrical, Chapter 24	12,000	
Ammeter & Voltmeter	6,000	
Contactora, Generator	2,000	
Control Panel, Generator	2,000	
Generator	EC	
Inverter, Emergency	5,000	
Inverter, Main	2,000	
Regulator, Voltage	2,000	
Relay, Battery	6,000	
Equipment & Furnishings, Chapter 25	12,000	
Chute, Evacuation	OC	
First-Aid Kit	6 months	
Fire Protection, Chapter 26	12,000	
Cylinders	*	
Panel, Fire Detector	6,000	
* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.		
Flight Controls, Chapter 27	12,000	
Actuator, Stabilizer Jack	8,000	
Indicator, Wing Flap Position	6,000	
Transmitter, Wing Flap Position	6,000	

Fuel, Chapter 28	12,000
Indicator, Fuel Quantity	4,000
Pump, Fuel Boost	4,000
Transmitter, Fuel Quantity	4,000

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
MARTIN M-202/404

	Overhaul Period	Inspection & Check Period
Hydraulic, Chapter 29	12,000	
Accumulator	8,000	
Indicator, Hydraulic Pressure	6,000	
Pump, Auxiliary Hydraulic	6,000	
Regulator, Pressure	6,000	
Transmitter, Hydraulic Pressure	6,000	
Ice & Rain, Chapter 30	12,000	
Heater, Wing & Empennage	3,000	
Unit, Windshield Wiper	8,000	
Units, Ignition	3,000	
Instruments, Chapter 31	12,000	
Clock	OC	
Landing Gear, Chapter 32	12,000	
Bottle, Emergency Air	*	
Motor, Nose Dampener	4,000	
Wheels, Tires & Brakes	OC	
Lights, Chapter 33	12,000	
Flasher	4,000	
Navigation, Chapter 34	12,000	
Altimeter	3,000	**
Compass, Magnetic	6,000	
Gyro, Directional	1,500	
Indicator, Air Speed	4,000	
Indicator, Gyro Horizon	3,000	
Indicator, Outside Air Temperature	6,000	

Indicator, Rate of Climb	4,000
Indicator, Turn & Bank	3,000

\*\* Bench Check every 12 months.

Oxygen, Chapter 35	12,000
Bottle, Oxygen	*
Regulator, Pressure	8,000

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
MARTIN M-202/404

	Overhaul Period	Inspection & Check Period
Fuselage, Chapter 53	12000	
Nacelles, Chapter 54	12000	
Stabilizers, Chapter 55	12000	
Wings, Chapter 57	12000	

Effective date \_\_\_\_\_

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 FIGURE 18. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - VISCOUNT - 745D/810

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PART D

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE  
VISCOUNT 745D/810

	Overhaul Period	Inspection & Check Period
Air-Conditioning System, Chapter 21	12000	
Actuator, Cabin Hot Air Supply	3500	
Actuator, Cabin Temperature Control	3500	
Actuator, Intercooler Flap	3500	
Actuator, Spill Valve Actuator	2500	
Actuator, Unpressurized Flight Valve	3500	
Altimeter, Cabin	6000	
Blower, Cabin Vent	2500	
Blower, Centrifugal Combustor	1500	
Compressor, Cabin Air	2000	
Controller, Cabin Pressure	4000	
Controller, Mass Flow	4000	
Heater Assembly	2500	
Ignition Assembly	2500	
Indicator, Cabin Differential Pressure	4000	
Pump, Heater Fuel	2500	
Switch, Cycling	2500	
Switch, Thermal	2500	
Turbine, Cabin Air Cooling	4000	
Valve, Cabin Outflow	4000	
Valve, Duct Relief	6000	
Valve, Safety	6000	
Auto-Pilot, Chapter 22	12000	
Amplifier, Flux-Gate	4000	
Amplifier & Signal Generator	3500	
Computer, Flight Path	1500	
Controller, Pedestal	6000	
Indicator, Master Direction	4000	
Indicator, Three Axis Trim	4000	
Switch, Gaging	o/c	
Servo, Main	3500	
Transmitter, Flux-Gate	4000	
Vertical Dynamic Sensor	o/c	
Electrical System, Chapter 24	12000	
Circuit Breaker, Differential Overload	3500	
Generator	o/c	
Inverter, Emergency	5000	
Inverter, Main	2000	
Regulator, Voltage	2000	
Switch, Inverter Warning Failure	4000	

Effective date December 15, 1962

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
VISCOUNT 745D/810

	Overhaul Period	Inspection & Check Period
Equipment & Furnishings, Chapter 25	12,000	
Evacuation Chute	OC	

Fire Protection, Chapter 26	12,000	
Cylinders	*	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	12,000	
Actuator, Aileron Trim Tab	4,500	
Drum Assembly - Microswitch Control	7,000	
Flap Brake Assembly	4,500	
Flap Clutch & Disconnect Assembly	4,500	
Flap Gear Box	7,000	
Flap Gear Box Drive Motor	2,500	
Indicator, Aileron Trim Position	4,000	
Transmitter, Aileron Trim Tab Position	4,000	
Indicator, Flap Position	6,000	
Transmitter, Flap Position	6,000	

Fuel System, Chapter 28	12,000	
Actuator, Low Pressure Fuel	2,500	
Actuator, Plessey Interengine	2,500	
Amplifier, Fuel Quantity	2,500	
Indicator, Fuel Datum Trim	6,000	
Indicator, Fuel Quantity	4,000	
Pump, Fuel Boost	4,000	

Hydraulic System, Chapter 29	12,000	
Actuator, Foot Brake	6,000	

Motor, Undercarriage Control Valve	2,500	
Unit, Maxaret	3,500	

Ice & Rain Protection, Chapter 30	12,000	
Actuator, Jet Pipe Flap	2,500	
Actuator, Thermal Deice Bypass Valve	2,500	

Alternator, Prop Deice	2,500
Indicator, Jet Pipe Temperature	6,000
Inverter, Windshield Deice	2,000
Instruments, Chapter 31	12,000
Clock	OC

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
VISCOUNT 745D/810

	Overhaul Period	Inspection & Check Period
Landing Gear, Chapter 32	12,000	
Emergency Air Bottle	*	
Indicator, Brake Pressure	6,000	
Switches, Gear	4,000	
Switches, Oleo	4,000	
Wheels, Tires & Brakes	OC	
Lights, Chapter 33	12,000	
Flasher	4,000	
Lights, Landing	2,500	
Navigation Instruments, Chapter 34	12,000	
Altimeter	3,000	**
Compass, Magnetic	6,000	
Horizon, Gyro	3,000	
Indicator, Air Speed	4,000	
Indicator, Outside Air Temperature	6,000	
Indicator, Rate of Climb	4,000	
Indicator, Turn & Bank	3,000	
** Bench Check every 12 months.		
Oxygen System, Chapter 35	12,000	
Oxygen Bottle	*	
Fuselage, Chapter 53	12,000	
Nacelles, Chapter 54	12,000	
Stabilizers, Chapter 55	12,000	
Wings, Chapter 57	12,000	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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 FIGURE 19. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - LOCKHEED L-188 A & C

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 FEDERAL AVIATION AGENCY  
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OPERATIONS SPECIFICATIONS

PART D

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 LOCKHEED L-188 A & C

	Overhaul Period	Inspection & Check Period
Air Conditioning System, Chapter 21	12,000	
Air Cycle By-Pass Valve	4,000	
Air Cycle Cooling Air Exit Door Actuator	4,000	
Air Cycle Heat Exchange	O.C.	
Air Cycle Cooling Turbine	4,000	
Altimeter, Cabin	7,000	
Cabin Air Compressor	2,000	
Cabin Air Flow Control Valve	2,000	
Cabin Pressure Reg. Outflow Valve	5,000	BC 2500
Cabin Pressure Safety Valve	12,000	BC 4000
Cabin Air Duct Shut-Off Valve	O.C.	
Cabin Air Duct Check Valve	O.C.	
Cabin Air Pressure Outflow Valve Control	3,500	
Cabin Air Pressure Outflow Valve Control Filter	1,500	
Cabin Freon Evaporator	O.C.	
Cabin Aux. Vent Inlet Valve & System	O.C.	
Cabin Air Warmup Valve Actuator	O.C.	
Cabin Air Filter	O.C.	

Cabin Duct Heater	O.C.
Cabin Recirculating Fan	4,000
Cooling Air Exit Door Actuator (tunnel)	4,000
Cooling Air Inlet Door Actuator (tunnel)	4,000
Flight Station Recirculating Fan	4,000
Flight Station Freon Evaporator	O.C.
Flight Station Duct Heater	O.C.
Flight Station Aux. Vent Inlet Valve	O.C.
Flight Station Air Filter	O.C.
Freon Suction Pressure Throttling Valve	4,000
Freon Condenser Fan	4,000
Freon Condenser	O.C.
Freon Compressor	3,000
Lavatory Exhaust Fan	O.C.
Manual Control Valve	5,000
Negative Pressure Relief Valve	O.C.
Radio Rack Exhaust Fan	1,400
Rate of Climb	7,000
Radiant Heating Panel (floor and wall)	O.C.
Radiant Heating Panel (cargo compt.)	O.C.
Surge Control Valve	2,000
Temperature Control Box	2,500

Effective date April 1, 1964

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED L-188 A & C

	Overhaul Period	Inspection & Check Period
Auto-Pilot System, Chapter 22 May be determined by the assigned inspector.		
Communications System, Chapter 23 May be determined by the assigned inspector.		
Electrical Power, Chapter 24	OC	
Battery	OC	
Flight Station Electrical &		

Instrument Panels	OC
Generator, AC	2,000
Generator Control and Protection Components	2,000
Inverter	2,000
Main & Flight Station Distribution Centers, including Wiring, Terminals, Relays, Circuit Breakers, Etc.	OC
Power Contactors and Reverse Current Relays	2,000
Secondary Electrical Centers, including Wiring, Terminals, Relays, Circuit Breakers, Etc.	OC
Transformer Rectifiers	2,000
Voltage Regulators	2,000

Equipment & Furnishings, Chapter 25  
May be determined by the assigned  
inspector.

Fire Protection, Chapter 26	OC
Cylinder	*
Discharge Valve Cartridges	3 years
Transfer Valve	8,000
Valve, Drain	3,500

Flight Controls, Chapter 27	OC
Aileron Trim Tab Control Unit	12,000
Aileron Trim Tab Actuator Unit	12,000
Aileron Push-Pull Tubes, Bellcranks Fittings, etc.	8,000
Asymmetry Detector Shut-Off Valve	6,000

Asymmetry Detector Actuated Flap Actuator Brake	12,000
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\* Hydrostatic and life limits shall be entered here and shall not  
exceed those set forth in Part 173, Chapter I, Subtitle "B" of  
CFR Title 49.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED L-188 A & C

Overhaul Period	Inspection & Check Period
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Flight Controls, Chapter 27,	
continued	
Booster Actuators	8,000
Booster Valve Cluster	8,000
Booster Frame Disconnect Mechanism	8,000
Control Column	12,000
Control Cables, Pulleys, Fairleads, etc.	O.C.
Elevator Trim Tab Control Unit	12,000
Elevator Trim Tab Actuator Unit	12,000
Elevator Push-Pull and Torque Tube	8,000
Flap Control System	5,000
Hydraulic Load Sensors	8,000
Rudder Pedals	12,000
Rudder Trim Tab Control Unit	12,000
Rudder Trim Tab Actuator & Linkage	12,000
Rudder Push-Pull and Torque Tube Installation	8,000
Wing Flap Main Drive Hydraulic Motor	12,000
Wing Flap Main Drive Gear Box	12,000
Wing Flap Actuators, Linkages, Tracks and Carriages	@ 4,000
Fuel System, Chapter 28	
Boost Pump, Main	5,000
Boost Pump, Scavange	5,000
Fuel Valves (Crossfeed-Elect.; Shut- Off-Manual)	8,000
Fuel Dump Valves	8,000
Fueling Valve	8,000
Fuel Quantity Tank Units	O.C.
Fuel Quantity Indicators	5,000
Fuel Pressure Warning System	O.C.
Misc. Valves, Pilot & Vent.	10,000
Overflow Valve	8,000
Transmitter, Fuel Crossfeed	8,000
Hydraulic System, Chapter 29	O.C.
Aux. Pump (DC)	4,000
Hydraulic Motor Pump (AC)	2,000
Heat Exchanger	O.C.
Relief Valve, Main System	12,000
Reservoir	12,000
Pressure Switches	O.C.

Effective date April 1, 1964

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 LOCKHEED L-188 A & C

	Overhaul Period	Inspection & Check Period
Ice & Rain Protection, Chapter 30	OC	
Airfoil Temperature Sensor Amplifier	4,000	
Bleed Air Shut-Off Valve	3,000	
Control Unit, Temperature	8,000	
Fuselage Isolation Valve	8,000	
Indicator, Airfoil Temperature	8,000	
Indicator, Bleed Air Manifold	8,000	
Leakage Detector Valve	3,000	
Modulating Control Valves	8,000	
Switch Temperature Selector	8,000	
Transmitter, Bleed Air Manifold	8,000	
Thermostats	OC	
Universals	OC	
Firewall Bleed Air Shut-Off Valve	3,500	
Timer, Prop De-Ice	5,000	
Windshield De-Fog	8,000	
Windshield Wiper Accumulator	12,000	
Windshield Wiper Control Unit	4,000	
Window Units	12,000	
Landing Gear, Chapter 32		
Brake Accumulators	12,000	
Brake System	12,000	
Gear Up-and-Down Locks	10,000	
Lockout Cylinder	12,000	
Main and Nose Wheels	OC	
Main Gear	12,000	
Main Gear Door Actuating Cylinder	10,000	
Nose Gear	12,000	
Nose Gear Door Actuating Cylinder	10,000	
Nose Wheel Steering	12,000	
Valve, Shuttle	12,000	
Valve, Priority	12,000	
Lighting, Chapter 33		
May be determined by assigned inspector.		
Navigation, Chapter 34		
May be determined by assigned inspector.		
Oxygen System, Chapter 35		
Oxygen Bottle	*	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED L-188 A & C

	Overhaul Period	Inspection & Check Period
Doors, Chapter 52		
Actuators	4,000	
Cylinder, Stair Actuating	4,000	
Doors and Emergency Exits	12,000	
Valve, Stair Selector	8,000	
Fuselage, Chapter 53		
Crew Seats and Attachments	8,000	
Exterior Covering	12,000	
Floor Support Members	12,000	
Interior	O.C.	
Nose Gear Well Area	12,000	
Passenger Seats and Attachments	12,000	
Structure Around Windows	12,000	
Nacelles, Chapter 54		
Attachments	12,000	4,000
Main Gear Support Structure	12,000	
Skin and Structure Beneath		
Tail Pipe Shroud	12,000	4,000
Tail Pipe and Shroud	12,000	2,000
Stabilizers, Chapter 55		
Attachments and Joints	6,000	
Exterior Covering	6,000	
Elevator and Tabs	12,000	* 500
Interior Structure	6,000	** 2,000
Rudder and Tabs	12,000	
Vertical, Horizontal and Installation	6,000	
Windows, Chapter 56		
Cabin	12,000	
Windshield Structure	12,000	

Wings, Chapter 57	
Ailerons and Tabs	12,000
Attach Joints	12,000
Center Wing Section	8,000
Flaps, Structure	12,000
Interior Structure	12,000
Wing to Fuselage Fillets	8,000

\* Counter weight  
bracket

Effective date April 1, 1964

\*\* Inspection Rear  
Spar Web

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FIGURE 20. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- ALLISON 501-D13 ENGINE AEROPRODUCTS PROPELLER

UNITED STATES OF AMERICA Form Approved.  
Budget Bureau

FEDERAL AVIATION AGENCY No. 04-R075.  
WASHINGTON

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

ENGINE MAKE - ALLISON	PROPELLER MAKE - AEROPRODUCTS
ENGINE MODEL - 501-D13	PROPELLER MODEL - A6441FN606

Overhaul Period	Inspection & Check Period
--------------------	------------------------------

Propellers, Chapter 61	
Alternator	2000
Regulator	2000
Hub	2500
Blades	2500
Reservoir	2500
Spinner	OC

Power Plant General, Chapter 71	
Engine Mounting System	OC
Vibration Isolators	OC
Engine Cowling	OC
Engine Fire Seal	OC

Engine, Chapter 72	
Compressor/Gearbox	4000
Turbine Section	4000

Engine Fuel and Control, Chapter 73	
Temperature Datum Control System	3000
Fuel Control	3000
Engine Fuel Pump	3000
Fuel Flow Meter	3000

Ignition System, Chapter 74	
Exciter and Relay	EO
Ignitor	EO

Engine Air, Chapter 75	
Ducts and Scoops	OC
Anti-ice System	3000
Speed-sensitive Control	3000

Engine Controls, Chapter 76	
Power Lever System and Engine	

Coordinator Controls and Linkages OC

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

ENGINE MAKE - ALLISON  
ENGINE MODEL - 501-D13

	Overhaul Period	Inspection & Check Period
Engine Indicating, Chapter 77		
Tachometer Generator	3,000	
Tachometer Indicator	5,000	
T. I. T. Indicator	5,000	
Torquemeter Indicator	5,000	
Torquemeter Phase Detector	5,000	
Indicator Oil Temperature	5,000	
Indicator Oil Quantity	OC	
Indicator Oil Pressure Gearbox	5,000	
Indicator Oil Pressure Engine	5,000	
Engine Exhaust System, Chapter 78		
Engine Exhaust System	OC	
Engine Oil System, Chapter 79		
Engine Oil System	OC	
Actuator Oil Cooler Flap	3,000	
Oil Quantity Transmitter	OC	
Oil Pressure Warning Switch	OC	
Oil Pressure Transmitters	5,000	

Oil Cooler Flap Position Indicator	OC
Fuel Oil Heat Exchanger	3,000
Oil Cooler	EO
Starting, Chapter 80	
Engine Starter	EO
Bleed Air Shutoff Valves	5,000
Isolation and Firewell Valves	5,000
Combustor Assembly	1,800
Air Storage Bottles	*
Corrosion Inspection	1 year
Air Bottle Cooling Valve	5,000
Air Compressor	OC
Low Pressure Regulator Valve	EO

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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 FIGURE 21. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - BOEING 707/720

UNITED STATES OF AMERICA  
 FEDERAL AVIATION AGENCY  
 WASHINGTON

Form Approved.  
 Budget Bureau  
 No. 04-R075.

PART D

Page 1 of 12 Pages

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 BOEING 707/720

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	O.C.	
Ducting, Plumbing, Electrical Conduits	O.C.	
Turbo Compressor	3,000	
Outflow Valves	2,500	
Cabin Pressure Controller	5,000	
Differential Pressure Indicator	8,000	
Vapor Cycle Pack	5,000	
Tachometer, Turbo Compressor	3,500	
Actuator - Ram Air Damper	7,500	
Controller, Cockpit Airflow	7,500	

Valve - Pack Shutoff	5,000
Valve - Cabin Temp. Control	7,500
Valve - Cockpit Temp. Control (Hot)	10,000
Valve - Cockpit Temp. Control (Cold)	10,000
Valve - Ram Air Shutoff	12,500
Valve - Wing Shutoff	12,500
Blower - Recirculating	3,500
Controller - Cabin Pressure Manual	5,000
Fan Assembly - Condenser	4,000
Heat Exchanger	O.C.

Heaters - Electric	O.C.
Indicator - Cabin Temperature	O.C.
Indicator - Cabin Rate of Climb	10,000
Pump - Jet	O.C.
Relay - Compressor Discharge Overheat	10,000
Relay - Cabin Pressure Warning	10,000
Elements - Temperature Sensing	O.C.
Switch - Duct Overheat	O.C.
Switch - Pressure Altitude	O.C.
Valve - Blower Shutoff	10,000
Valve - Cabin Air Check	O.C.
Valve - Cockpit Air Check	O.C.
Valve - Turbo Compressor Check	O.C.
Electronic Equipment Blower	6,000
Valve - Cabin Pressure Bleed Air Shutoff	O.C.
Air Cycle Machine	5,000
Condenser	O.C.
Evaporator	O.C.
Compressor	10,000

Auto Pilot - Chapter 22	O.C.
Auto Pilot Adapter	O.C.
Box - Power Junction	5,000
Control Panel	O.C.
Indicator - 3 Axis Trim (Eclipse Pioneer)	7,500
Sero - Stabilizer Trim	5,000

Effective date July 1, 1964

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

Overhaul                      Inspection &

	Period	Check Period
Auto Pilot, Chapter 22 (continued)		
Annunciator - Glide Scope	OC	
Three Axis Rate Transmitter	5,000	
Air Data Sensor	3,000	
Amplifier and Computer	3,000	
Servo - Aileron, Rudder, & Elevator	2,500	
Unit - Comparison	2,500	
Communications, Chapter 23		
May be determined by assigned inspector.	OC	
Electrical Power, Chapter 24		
Constant Speed Drive Oil Temp. Indicator	10,000	
Resistance Bulb c/o Drive Oil Temp.	OC	
Wattmeters	10,000	
DC Voltmeters	10,000	
DC Ammeters	10,000	
Generator Control Unit	OC	
Relay - Essential Power Failure	5,000	
Relay - External Power	6,000	
Relay External Power Control	5,000	
Relay - External Power Interlock	7,500	
Relay - Negative Sequence Aux #1	7,500	
Relay - Negative Sequence Aux #2	7,500	
Relay - Negative Sequence	6,000	
Transformer Rectifier	OC	
A/C Generator	3,000	
Voltage Regulator	5,000	
Load Controller	5,000	
Reverse Current Relay	5,000	
Battery	OC	
A/C Voltmeter and Ammeter	10,000	
Frequency Meter	10,000	
C/S Drive & Disconnect	3,000	
Equipment and Furnishings, Chapter 25		
May be determined by assigned inspector.	OC	
Fire Protection, Chapter 26		
Control Unit - Wheel Well Area Fire Detector	5,000	
Valve - Double Tee	10,000	
Bottle - Fire Extinguisher	*	
Control - Fire Warning Bell	OC	
Stop Valve & Solenoid	6,000	

Portable CO2 Bottles	*
Wheel Well Fire Detector Sensing Elements	OC
Engine Fire Detector Thermo Switches	OC

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Flight Controls - Chapter 27	O.C.	
Flasher - Speed Brake and Flap Warning	5,000	
Gear Box - Angle Flap Drive	10,000	
Gear Box - Double Angle Fillet Flap Drive	10,000	
Indicator - Flap Position	10,000	
Motor - Emery Flap Drive	10,000	
Motor - Hydraulic Flap Drive	10,000	
Motor - Stabilizer Trim Drive	5,000	
Power Unit - Flap Drive Gearbox	10,000	
Relay - Emergency Flap Drive	10,000	
Relay - Stabilizer Trim Control	10,000	
Relay - Stabilizer Trim Safety	10,000	
Screw Assembly - Fillet Flap Drive	10,000	
Screw Assembly - Main Flap Drive	10,000	
Transmitter - Flap Position	10,000	
Valve - Flap By Pass	10,000	
Valve - Flap Metering	10,000	
Flap Cables - Tension Check and Pressure Seal Inspection	O.C.	
Valve - Spoiler Metering	10,000	
Control Column	O.C.	
Snubber - Aileron Gust	O.C.	
Snubber - Elevator Gust	O.C.	
Snubber - Rudder Gust	10,000	
Damper - Rudder Control Tab	10,000	
Actuator - Leading Edge Flap	12,000	
Valve - Leading Edge Flap Actuator	12,000	
Actuator - Stabilizer Trim	5,000	
Aileron Control Surface Assembly	10,000	

Aileron Tab Cockpit Control Mech.	10,000	
Spoiler Control Surface	O.C.	
Spoiler Actuators	10,000	
Flap Assembly	10,000	
Rudder Control Jackshaft		
Installation	10,000	
Rudder Pedal Assembly	5,000	
Control Unit - Power - Rudder	10,000	
Compensator - Rudder Power Control	10,000	
Valve - Rudder Power Control	10,000	
Valve - Rudder System Pressure Control	10,000	
Valve - Rudder System Pressure Reducing	10,000	
Elevator Control Surface Assembly	10,000	5,000
Horizontal Stabilizer Assembly	6,000	3,000
Stabilizer Trim Actuator		
Installation	5,000	
Functional Check Entire Flight Control System		3,000

Effective date July 1, 1964

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Fuel System, Chapter 28	O.C.	
Indicator - Fuel Flow	5,000	
Indicator - Fuel Quantity	5,000	
Power Unit Fuel Flow	2,000	
Snubber - Fuel Dump	10,000	
Solenoid - Fuel Dump Release	7,500	
Compensator - Tank Unit	O.C.	
Gauge - Fueling Quantity	5,000	
Indicator - Fuel Temperature	10,000	
Bulb - Fuel Temperature #1 Main Tank	O.C.	
Valve - Defueling Check	O.C.	
Valve - Pump Removal Check	O.C.	
Valve - Defueling Manual	O.C.	
Valve - Manual Fueling Shutoff	O.C.	
Valve - Fueling Level Control		

Shutoff	O.C.	
Valve - Fueling Test	O/C	
Valve Thermal Relief	O.C.	
Fuel Flow Transmitter	5,000	
Booster Pumps	10,000	7,500
Engine Fuel Feed Shutoff Valve	8,000	
Engine Fuel Manifold Shutoff Valve	8,000	
Engine Fuel Emergency Shutoff Valve	8,000	
Reserve Tank Shutoff Valve	10,000	
Dual Check Valve	O.C.	
Dump Chute Shutoff Valve	10,000	
Fuel Dump Actuator and Motor	5,000	
Fuel Dump Uplatch Actuator	5,000	
Hydraulic Power, Chapter 29	O.C.	
Indicator - Reservoir Level	7,500	
Pump - Aux. Hydraulic Motor	2,500	
Regulator - Reservoir Air Pressure	10,000	
Switch - Pressure	O.C.	
Transmitter - Reservoir Level	7,500	
Valve - Main and Auxiliary Interconnect	10,000	
Valve - Utility System Relief	12,000	
Valve Suction Shutoff	10,000	
Relay - Auxiliary Pump	7,500	
Gauge - Accumulator Pressure	O.C.	
Transmitter - Temperature Sensing	O.C.	
Valve - Manual Bypass	12,000	
Hydraulic Pump - Engine Driven	2,000	
Hydraulic Accumulator	O.C.	
Hydraulic Reservoir	O.C.	
Pressure Transmitter	7,500	

Effective date July 1, 1964

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Hydraulic Power, Chapter 29 (continued)		
Pressure Indicator	10,000	

Pump Rudder Hydraulic Motor	4,000
Ice and Rain Protection, Chapter 30	O.C.
Ammeter - Pitot Heater	10,000
Ammeter - Empennage Anti Ice	10,000
Controller - Empennage Shedding Area	7,500
Controller - Automatic Empennage Shedding Area	7,500
Controller - Empennage Parting Strip	7,500
Relay - Nesa Control	10,000
Relay - Wing Anti Ice	10,000
Converter - Windshield Wiper	10,000
Drive - Windshield Wiper Flex.	O.C.
Duct - Temperature Indicator	10,000
Duct - Temperature Sensor	O.C.
Anti Ice Check Valve	12,000
Anti Ice Shutoff Valve	10,000
Anti Ice Ducting	O.C.
Empennage De Icer Overheat Switch	O.C.
Empennage Temp. Control Switch	O.C.
Windshield Anti Ice Controller	5,000
Windshield Wiper Motor	10,000
Ice Detector	O.C.
Ice Interpreter	O.C.
Instruments, Chapter 31	O.C.
Ram Air Temperature Indicator (Lewis)	10,000
Static Air Temperature Indicator (Kollsman)	5,000
Air Speed - Angle of Attack Indicator (Kollsman)	5,000
Machmeter (Kollsman)	7,500
Altimeter and Scale Error Corrector	5,000
Altimeter (Kollsman 671-CPX-10-051)	5,000
Indicator - True Air Speed (Kollsman)	5,000
Pitot Tubes	O/C
Static System	O.C.
Flight Recorder	2,000
Heading Amplifier	O.C.
Angle of Attack Sensor	O.C.
Control Unit - Air Data	O.C.
Landing Gear, Chapter 32	O.C.
Actuator - Main Gear	10,000
Actuator - Main Gear Door	10,000
Actuator - Main Gear Side Strut	10,000
Actuator - Nose Gear	10,000
Actuator - Nose Gear Door	10,000

Effective date July 1, 1964

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Landing Gear, Chapter 32 (continued)		
Control Shield - Anti Skid	10,000	
Cylinder - Nose Steering	10,000	
Detector - Brake Anti Skid	2,500	
Gauge Emergency Air Brake Pressure	10,000	
Relay - Main Gear Position Warning	10,000	
Relay - Nose Gear Position Warning	10,000	
Relay - Safety Switch	12,500	
Restrictor - Nose Gear Variable	12,500	
Snubber Assembly - Main Gear	12,500	
Solenoid - Landing Gear Latch Lever	OC	
Transmitter - Brake Accumulator Pressure	7,500	
Valve - Brake Anti Skid	10,000	
Valve - Brake Deboost	10,000	
Valve - Brake Shuttle	10,000	
Valve - Landing Gear Selector	10,000	
Valve - Main Gear Actuator Sequence	10,000	
Valve - Nose Gear Door Control	10,000	
Valve - Air Brake Control	OC	
Valve - Steering Disconnect	10,000	
Bottle - Air Brake	*	
Switch - Leveling Cyl.	OC	
Centering and Snubber Assembly	OC	
Valve - Landing Gear Door Safety	OC	
Valve - Nose Gear Door Safety	OC	
Nose Gear Assembly	10,000	
Nose Gear Shock Strut	10,000	
Nose Gear Drag Strut and Lock Assembly	12,500	
Nose Gear Torsion Link	12,500	
Nose Gear Steering Collar	12,500	
Nose Gear Axles	12,500	
Nose Gear Emergency Lockshaft, Actuator Support Shaft, Lock Arm Shaft and Drag Brace Shaft	12,500	
Nose Gear Wheel Assembly	OC	

Nose Gear Lock Mechanism	10,000
Nose Gear Emergency Release System	OC
Nose Gear Signal System	OC
Valve - Nose Gear Steering	10,000
Main Gear Assembly	10,000
Main Gear Trunnion	12,500
Main Gear Truck Assembly	12,500
Main Gear Drag Strut	12,500
Main Gear Side Strut	12,500
Main Gear Torsion Links	12,500

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Landing Gear, Chapter 32 (continued)		
Main Gear Walking Beam and Support Link	12,500	
Main Gear Wheel Assembly	OC	
Main Gear Brake Assembly	OC	
Emergency Release System	OC	
Power Brake Valve	10,000	
Centering Cylinder	10,000	

Lights, Chapter 33  
May be determined by assigned inspector.

Navigation, Chapter 34  
May be determined by assigned inspector.

Oxygen, Chapter 35	OC
Automatic Altitude Sensing Valve	7,500
Manifold Pressure Switch	10,000
Disconnect - Crew Oxygen	OC
Bottle Oxygen Portable	*
Regulator - Constant Flow	7,500
Latch - Automatic	OC

Valve - Mask Shutoff	OC
Valve - Oxygen by Pass	7,500
Oxygen Cylinder	*
Crew Demand Regulator	7,500
Pressure Reducing Valve	OC
Passenger Oxygen Mask Assembly	OC

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Powerplant General, Chapter 71	
Engine Mount Links and Fittings	EO
Engine Mount Bolts	EO
Engine Nose Cowl	EO
Engine Nose Cone	EO
Cowling	EO

Engine, Chapter 72	
Compressor Section	3,000 **
Turbine Section	2,000 **

\*\* Sample one turbine overhaul at 1800 hours, one compressor section overhaul at 2400 hours and one compressor section overhaul at 2800 hours.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

Overhaul Period	Inspection & Check Period
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Engine Fuel and Control, Chapter 73

Fuel and Oil Heat Exchanger	EO
Fuel Control Unit	EO
Fuel Pump, Engine Driven	EO
Indicator, Fuel Pressure	10,000
Indicator, Fuel Flow	5,000
Switch, Fuel Pressure Warning	EO
Transmitter, Fuel Pressure	5,000
Transmitter, Fuel Flow	EO

Ignition System, Chapter 74

Ignition Exciter	EO
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Ignition	EO
Ignition Transformer	EO
High Tension Heads	EO

Air System, Chapter 75

Anti-icing Control Valve and System	EO
Valve, Oil Cooler Ejector Control	OC
Compressor Bleed Valve and Actuator	EO
Anti-icing Bleed Shutoff Valve	EO
Valve, Fuel Deice Shutoff	OC
Anti-icing Regulator	EO
Ejector, AC Generator Cooling	2,500
Valve, Nacelle Thermal Anti-ice	EO
Valve, Nose Cowl Anti-ice	EO

Engine Controls, Chapter 76

Cockpit Pedestal Area	OC
Cockpit to Engine Struts	OC
Engine Struts	OC
Engine	OC

Engine Indicating, Chapter 77

Bulb, Ram Air Temperature	EO
Generator, Tachometer	EO
Indicator, Pressure Ratio	EO
Transmitter, Pressure Ratio	3,500
Indicator, Tachometer	5,000
Indicator, Ram Air Temperature	OC
Indicator, Exhaust Gas Temperature	5,000
Indicator, Engine Vibration	5,000

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Engine Indicating, Chapter 77 (continued)		
Detector, Engine Vibration	EO	
Amplifier, Engine Vibration	EO	
Exhaust System, Chapter 78		
Exhaust Nozzle and Plug	EO	
Aft Fairing Assembly	EO	

Thrust Reverser Assembly and Control	EO
Valve, Reverser Directional	EO
Thrust Reverser Actuating Cylinder	EO

Oil System, Chapter 79

Actuator, Oil Cooler Door	EO
Cooler Assembly	EO
Indicator, Oil Pressure	EO
Indicator, Oil Quantity	7,500
Indicator, Oil Temperature	10,000
Oil Tank	EO
Switch, Oil Pressure Warning	OC
Thermostat, Oil Temperature Control	EO
Transmitter, Oil Pressure	EO
Transmitter, Oil Quantity	OC
Valve, Oil Shutoff	OC
Valve, Oil Temperature Control	OC

Starting, Chapter 80

Air Compressor	2,500
Bottle, Air Start	*
Corrosion Inspection	1 year
Starter, Pneumatic	EO
Starter Low Pressure Shutoff Valve	EO
Gauge, Air Pressure	7,500
Valve, Air Bottle Ground Charge	OC
Valve, Starter Air Relief	10,000
Regulator, Pressure Shutoff	7,500

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of

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Water Injection, Chapter 82

Pump, Water Injection Electric	3,000
Pump, Water Injection Engine Driven	EO
Switch, Water Pressure	10,000
Valve, W/I Check	10,000
Valve, Water Shutoff	5,000
Valve, Water Drain	5,000
Indicator, Water Quantity	OC
Sensor, Water Quantity	OC
Valve, Water Injection Relief	OC

Effective date \_\_\_\_\_

BOEING 707/720

	Overhaul Period	Inspection & Check Period
<p>The Following Systems are Structural and Systems Items that are not removed from the Aircraft. Sample items are identified by a Suffix "S" and will be accomplished on 1/4 of the Fleet</p>		
<p>Doors, Chapter 52</p>		
Electronic, forward Cargo, Rear Cargo, L. Entry Door, Rt. Forward Service Door, Rt. Entry Door, Interior, Frames, Scuff Plates		
Emergency Exits, Cutouts, Interior and Exterior	4,000	S
<p>Fuselage, Chapter 53</p>		
Framing and Skin around Windshields and Windows Zone 21-22-26	5,000	S
Framing and Skin around Galley, Cargo Entrance Doors, Emergency Exits, Hatches, Electronic Access Doors, Battery Access Doors.		
Zone 11-12-13-15-25-26-27		
Above Floor	4,000	S
Below Floor	4,000	S
<p>Galley, Cargo and Entrance Doors</p>		
Emergency Exit Hatches, and Lower Nose Compartment Access Doors		
Zone 11-12-25-26-42-43-44-45-46-47-48	4,000	S
Fuselage Skin Panels and Circumferential and Longitudinal Skin		
Joints - Zone 14-15-16-21-22-23-24-25-26-27-28-29-32-33-37	4,000	S
Fuselage Skin Panels under Horizontal Stabilizer Fairing		
Zone 37	10,000	
Tension Bolts between Body Section at Stations 360 to 960 Zone 16-24-26-29 and Station 1440 Zone 37	4,000	S
Pressure Bulkheads and Pressure Panels at the Following Locations:		
BS 178 Zone 41	7,000	
Nose Wheel Well Zone 31	3,000	
BS 620 Zone 33-34	4,000	S

BS 960 Zone 35-36	4,000 S
BS 1440 Zone 37	4,000 S
Horizontal Pressure Web Between BS 820 and 960 - Zone 35-36	4,000 S
Wing and Empennage Attachment Bulkhead at Following Body Stations:	
BS 620-820 - Zone 14-26-35-36	7,000
BS 1440 Zone 29	4,000 S
BS 1505.87 Zone 37	5,000
BS 1592 Zone 38	8,000

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Body Frames at BS 740-758.95, 781.95, and 800 - Zone 26	5,000	
Floor Beams at BS 360, 830, 920, and 1,260 Zone 11-12-14-15-26	4,000 S	
Fuselage Delta Beam BS 620-820 and Keel Beam BS 820-960 Zone 32	5,000	
Main Gear Side Brace Support Fittings Zone 35-36	4,000	
Nose Landing Gear Supporting Structure Zone 31	3,500	
Skin and Stringer Splices in Crown Area (510 and above) at BS 360- 481-620-820-960-1241 and 1440 Zones 24-25-26-29	4,000 S	
Intermediate Stringer Splices in Crown Area's S-10 and above BS 600-620-820-960-1440 Zone 26	4,000 S	
Fuselage Skin in Lower Lobe under Galley and Lavatory Areas - Zone 11-12-13-15-16	4,000 S	
Nacelles, Chapter 54		
Forward Engine Mount Fittings	1,400	
Forward Engine Mount Thrust Link	1,400	
Thrust Link Terminal Bolts	4,000 S	
Forward Engine Mount Thrust Connection Fitting	1,400	
Rear Engine Mount Fitting	1,400	

Rear Engine Support Brackets	1,400
Nacelle Strut Front Spar Fittings	1,400
Nacelle Strut Midspar Fittings	4,000 S
Nacelle Strut Lower Spar Fittings	4,000 S
Nacelle Strut Diagonal Brace	4,000 S
Nacelle Front Spar Bolts	5,000
Diagonal Strut Bolts	10,000
Bolts - Mid Spar	10,000
Wing Upper Surface Strut Support	5,000
Nacelle Strut Internal Structure	8,000
Forward and AFT Drag Support Fittings	8,000

Stabilizers, Chapter 55

Horizontal Stabilizer Upper and Lower Spar Terminal Fittings and Ends of Spars Zone 37	5,000
Horizontal Stabilizer Upper Rear Spar Terminal Fishmouth Splices Zone 91-92-37	5,000
Horizontal Stabilizer Attach Pins Zone 37	10,000

Horizontal Stabilizer Structure Internal Zone 91-92	5,000
Horizontal Stabilizer Center Section Zone 37	5,000

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Horizontal Stabilizer Center Section Hinge Fittings BS 1592	2,500	
Horizontal Stabilizer Jackscrew Fittings on Front Spar and on Floor of Body Section 48 BS 1505 Zone 37	3,500	
Horizontal Stabilizer Leading Edge Attachment Zone 91-92	3,500	
Elevator Internal Structure Zone 93-94	10,000	
Elevator Balance Panels, Panel Support Link Assemblies Balance By Access and Top Panels Zone 93-94	3,500	
Elevator Adjustable Weights (Bolted		

to Balance Panels) Zone 93-94	3,500
Elevator Trim and Control Tabs	
Zone 93-94	1,200
Elevator Hinge Fittings Zone 93-94	1,200
Fuselage Fin Attach Fittings BS	
1440 Zone 95	4,000 S
Fuselage Fin Attach Fittings BS	
1507 Zone 95	4,000
Vertical Fin Front Spar Terminal	
Fittings and End of Spars - Zone 95	4,000 S
Fin Rear Spar Terminal Fittings and	
Fishmouth Splices - Zone 95	10,000
Fin Attach Pins - Zone 95	5,000 S
Vertical Fin Internal Structure	4,000 S
Vertical Fin Leading Edge Attachment	
Zone 95	3,500
Vertical Fin Splice Station 111.65	3,500
Rudder Hinge Fittings Zone 96	1,200
Rudder Balance Panels, Panel Support	

Link Assemblies Skin and Covers in	
Balance Bay Area's Zone 96	3,500
Control and Balance Tabs Zone 96	1,400
Rudder Internal Structure Zone 96	4,000 S

Wings, Chapter 57

Upper & Lower Interspar Skin Zone	
71-72-73-74-75-79	4,000
Lower Interspar Skin Underwing	
Body Fairing and Wing Center Section	
Zone 76-77-78	4,000
Rear Spar Wing Terminal Forging	
Zone 77	5,000
Wing Production Joint Zone 71-74-	
75-79	4,000 S
Wing to Body Shear Attachment Wing	
Upper Surface Zone 76-78	4,000 S
Wing Lower Surface at WBL 129.62	
Zone 72-74-76-78	4,000 S
Beaver Tail Attachment and Holes	
Zone 72-73-76-78	4,000 S
Wing Lower Surface Interspar Area	
Zone 71-72-73-74-75-76-77-78-79	4,000 S

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	Overhaul Period	Inspection & Check Period
Wings, Chapter 57 (continued)		
Wing Center Section Lower Surface Stringers Adjacent to Manufacturing Access Holes - Zone 77	12,000	
Wing Lower and Upper Surface Splice at WBL 64.38	4,000	S
Wing Lower and Upper Surface Stringer Splices at WBL 129.62 Zone 72-73-76-78	4,000	S
Wing Lower and Upper Surface Splice at WS 360 Zone 71-72-73-74	4,000	S
Wing Lower and Upper Surface Splice at Wing Production Joint Zone 71-74-75-79	4,000	
Stringer Connections at Boost Pump Housing WBL 75 113,145,WS 340 and WS 368 Zone 71-72-73-74-76-78	4,000	S
Lower Surface Stringers at WS 643.50 Zone 71-74	4,000	S
Front Spar Zone 62-63-64-65-66-67-14	4,000	S
Rear Spar Zone 33-34-35-36-81-82-83-84-85-86-87-88	4,000	S
Zone 84-85	6,000	
Zone 33-34 BBL 38.05	10,000	
Front and Rear Spars (Internal) Zone 71-72-73-74-75-79	4,000	S
Zone 76-77-78	5,500	
Wing Ribs and (Center Section) Spanwise Beams Zone 71-72-73-74-75-76-77-78-79	4,000	S
Wing Body Breather Web and BL 12.78 Beams Zone 33-34	5,000	
Wing Terminal Forgings (BS 620-820) Zone 64-65-35-36	5,000	
Zones 76-77-78	5,000	
Wing Body Bottle Pin Retaining Bolts Zone 64-65-35-36	3,500	
Wing Body Bottle Pins and Pin Holes Zone 64-65-35-36	10,000	
Wing Terminal Forgings Zone 76-78	5,000	
Zone 76-78-33-34	7,000	
Leading Edge Internal Structure Zone 81-82-83-84-85-86-87-88	4,000	S
Main Landing Gear AFT Support Rib External Chord (Beaver Tail) Torque Box Zone 35-36-84-85	3,000	
Trunnion Support Fitting Bolts and		

Pin (Torque AFT Trunnion Cap Internal Wrenching Bolts on all Aircraft at 1000 +- 100 hours)	10,000
Wing Trailing Edge Skin and Support Structure Zone 81-82-83-84-85-86- 87-88	3,500

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AIRCRAFT MAINTENANCE  
BOEING 707/720

	Overhaul Period	Inspection & Check Period
Wings, Chapter 57 (continued)		
Fillet Flap Support Beam Attachment to Uplock Support BS 900 - Zone 35-36	5,000	
Walking Beam Supports BS 850 and 860 Zone 35-36	5,000	
Spoilers Zone 82-84-85-86	4,000	S
Main Wing Flap Zones 82-84-85-87	4,000	
Flap Tracks and Track Supports Zone 82-84-85-87	4,000	
Fillet Flap Zone 84-85	10,000	
Inboard and Outboard Ailerons Zone 81-83-86-88	3,500	
Inboard and Outboard Ailerons Balance Panels Zone 81-83-86-88	3,500	
Inboard and Outboard Aileron Adjustable Weights (Bolted to Balance Panels) Zone 81-83-86-88	3,500	
Wing Glove Zone 64-65	4,000	S
Beaver Tail Bolts Zone 82-83	4,000	S
Structure under Cover Fillet Splice Plate and Skin Zone 86-88	2,500	
Beaver Tail (X-Ray Skin Beneath) Zone 86-88	4,000	S

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UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved.  
Budget Bureau  
No. 04-R075.

OPERATIONS SPECIFICATIONS

PART D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	O.C.	
Actuator, Cabin Air Heat Exchanger Door	8,000	
Actuator, Freon Condenser Selector Valve	12,500	
Actuator, Freon Condenser Exhaust Door	7,500	
Actuator, Mixing Valve	10,500	
Actuator, Recirculating & Ventilating Air Selector	7,000	
Amplifier, Mixing Valve Control Unit	O.C.	
Amplifier, Cabin Air Heat Exchanger Control	O.C.	
Amplifier, Freon Temperature Control	O.C.	
Amplifier, Cabin Pressure Control	O.C.	
Bulb, Freon Condenser Thermistor	O.C.	
Bulb, Outside Temperature Sensing	O.C.	
Bulb, Cabin Duct Temperature	O.C.	
Bulb, Freon Evaporator Differential Temperature	O.C.	
Blower, Radio Rack Ventilating Condenser, Freon	5,000 O.C.	
Controller, Cabin Pressure Rate	8,000	
Door Assembly, Freon Condenser Forward and Aft Exhaust	O.C.	
Drive & Actuator, Cabin Outflow Butterfly & Nozzle	12,500	
Exhaust Assembly, Cabin Air Heat Exchanger	O.C.	
Evaporator, Freon	O.C.	
Fan, Freon Condenser	7,000	
Fan, Cabin Air Recirculating	4,000	
Heat Exchanger, Cabin Air	O.C.	

Horn, Cabin Low Pressure Takeoff Warning	O.C.
Heater, Cockpit Floor Panel	O.C.
Indicator, Cabin Air Temperature	O.C.
Indicator, Freon Superheat & Saturation Temperature	O.C.

Indicator, Cabin Rate of Climb	10,500
Indicator, Cabin Altitude & Differential Pressure	10,500
Indicator, Cabin Compressor RPM	10,500
Limiters, Pressure Ratio	10,500

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21 continued		
Potentiometer, Manual Temperature Control	O.C.	
Receiver, Freon	O.C.	
Switch, Air Manifold Under Pressure Freon Control	14,000	
Switch, Cabin Turbo Compressor Oil Overtemperature	Comp. OH	
Switches, Miscellaneous	O.C.	
Switch, Freon Condenser Pressure Cutout	O.C.	
Switch, Radio Rack Blower Differential Pressure	14,000	
Switch, Freon Compressor Overheat	Comp. OH	
Switch, Cabin Low Pressure	12,500	
Transmitter, Turbo Compressor	Comp. OH	
Turbo Compressor, Cabin Air	3,500	
Turbo Compressor, Freon	2,500	
Thermistor, Freon Evaporator	O.C.	
Transmitter, Freon Turbine RPM	3,500	
Timer, Cabin Low Pressure & Takeoff Warning	14,000	
Valve, Assembly, Cabin Turbo Compressor	O.C.	
Valve, Turbo Compressor Shutoff	10,500	
Valve Assembly, Recirculation	12,000	

Valve, Thermostat Recirculation	10,500
Valve, Freon Condenser Air Selector	O.C.
Valve, Condenser Fan Shutoff	8,000

Valve, Three Port Mixing	10,500
Valve, Cockpit Air Diverter	14,000
Valve, Radio Rack Cooling	14,000
Valve, Recirculating & Ventilating Air Selector	7,000
Valve, Freon Turbine Regulating	2,500
Valve, Freon Expansion	O.C.
Valve, Freon Turbine Shutoff	8,000
Valve, Radio Rack Venturi By-Pass	7,000
Valve, Cold Air Pressure Regulator	10,500
Valve, Cabin Pressure Relief	10,500
Valve, Cabin Outflow Butterfly	14,000
Valve, Outflow Nozzle	17,500

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AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Auto Pilot, Chapter 22		
Automatic Cutoff	7,500	
Auto Pilot Indicator	10,500	
Auto Pilot Controller	5,000	
Auto Pilot Release Switch	O.C.	
Computer, Flight Control	3,000	
Computer, Yaw Command	5,000	
Computer, Pitch Command	5,000	
Computer, Roll Command	5,000	
Computer, Pressure	5,000	
Gain Calibrator	7,500	
Interlock Rack	7,000	
Linear Accelerometer	O.C.	
Pitot System Cutoff Switch	O.C.	
Radio Coupler	5,000	
Stabilization Computer	7,500	
Stabilization Computer Rack	O.C.	
Servo Amplifier	7,500	
Servo Drive	6,000	
Servo Bracket	O.C.	
Trim Coupler	5,000	
Vertical Gyro	2,500	

Communications, Chapter 23  
 May be determined by assigned  
 inspector.

Electrical Power, Chapter 24	
Box, Current Differential	
Transformer	O.C.
Box-Generator Current Transformer	
& Fuse	O.C.
Battery	O.C.
Constant Speed Drive, 20 KVA	E.O.
Circuit Breakers	O.C.
Control, CSD Frequency & Load	
Controller	3,500
Disconnect Assembly	E.O.
External Power Receptacle	O.C.
External Power Relay	7,000
Generator, 20 KVA	1,500
Generator and Bus Tie Relays	3,500
Indicator, AC & DC Loadmeter	O.C.
Indicator, AC Frequency	O.C.
Panel, Frequency Reference	3,500

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Electrical Power, Chapter 24 (continued)		
Panel, Bus Protection	OC	
Panel, Generator Control	2,000	
Rectifier, Blocking	OC	
Relay, AC & DC Monitor	7,000	
Shaft Assembly, Constant Speed Drive	EO	
Switches	OC	
Transformer, Rectifier External		
Power Control	OC	
Transformer Rectifier	OC	
Voltmeter AC, Voltmeter DC	OC	
Voltage Regulator	3,500	

Equipment/Furnishings, Chapter 25  
May be determined by assigned  
inspector.

Fire Protection, Chapter 26		
Amplifier, Engine Fire Detection		OC
Bell, Fire Warning		OC
Cable Assembly, Engine Sector		
Detector Element		OC
Container and Valve Assembly, Fire		
Extinguisher		*
Detector, Cargo Compartment Overheat		OC
Lamp Assembly, Fire Warning		OC
Switch, Test		OC
Valve Assembly, Double Check Tee	12,500	
Valve, Two Way Direction	12,500	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27		
Actuator, Pitch Trim Compensator	4,000	
Accumulator, Flight Spoiler		
Hydraulic	15,000	
Bus, Installation Aileron		OC
Cylinder Assembly, Aileron Tab		
Lockout	14,000	
Control Assembly, Pilot and Copilot		
Rudder Pedal		OC
Cylinder & Control Valve Assembly		
Rudder Power	7,000	
Column Assembly, Pilots Control		
Wheel		OC
Computer, Pitch Trim Compensator	4,000	
Cylinder & Link Assembly, Flap		
Actuating	14,000	

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

Overhaul            Inspection &

	Period	Check Period
Flight Controls, Chapter 27		
continued		
Cylinders, Flap Lockout	17,000	
Cylinder Assembly, Spoiler Actuator	14,000	
Cylinder, Valve & Gland Assembly, Flight Spoiler	12,500	
Cylinder, Ground Spoiler Actuating	12,500	
Cylinders, Slot Door Actuating	14,000	
Damper Assembly, Aileron	7,000	
Damper Assembly, Elevator & Rudder	O.C.	
Drive Assembly, Horizontal Stabilizer	O.C.	
Filter Assembly, Aileron Power System	O.C.	
Filter Assembly, Rudder Power System	O.C.	
Filter Assembly, Flight Spoiler Hydraulic System	O.C.	
Heater, Stall Warning	O.C.	
Hose Assembly, Fire Actuating	12,500	
Indicator, Flight Spoiler Hydraulic Pressure	O.C.	
Jack Screw Assembly	14,000	
Lift Transducer	3,500	
Lift Computer	7,000	
Motor & Brake Assembly, Hydraulic Power	10,500	
Motor & Brake Assembly, Horizontal Stabilizer Electric Drive	7,000	
Mechanical Assembly, Flight Spoiler Lateral Control	O.C.	
Mechanism, Slot Door Actuating	O.C.	
Override Assembly, Outboard Ailerons	O.C.	
Pump & Motor Assembly, Flight Spoiler Hydraulic	5,000	
Reservoir Assembly, Flight Spoiler Hydraulic	12,500	
Switch, Rudder & Aileron Hydraulic Power	O.C.	
Spring Assembly, Elevator Load Feel & Centering	14,000	
Shutoff Control Valves, Horizontal Stabilizer Hydraulic System	14,000	
Shaker, Control Column	3,500	
Spring Assembly, Rudder Load & Feel Trim	17,000	
Switch, Spoiler Limit	O.C.	

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27 continued		
Switch, Slot Door Actuating Light	O.C.	
Tube Assembly, Aileron Bus Torque	16,000	
Transmitter, Flap Position	10,500	
Valve and Cylinder Assembly, Aileron Hydraulic Power	6,000	
Valve Assembly, Aileron & Rudder Shutoff	14,000	
Valve Assembly, Rudder Pressure Reducer	14,000	
Valves, Flap Balance Relief	17,000	
Valve, Wing Flap Control	12,500	
Valve, Flap Thermal Relief	14,000	
Valve, Ground Spoiler Control	12,500	
Valve, Wing Slot Control	14,000	
Fuel System, Chapter 28		
Adapter, Pressure Refueling	O.C.	
Actuator, Fuel Dump Chute	7,500	
Adapter Assembly, Filler Cap	O.C.	
Bulb, Fuel Temperature	O.C.	
Control Unit, Float	7,000	
Chute, Fuel Dump	O.C.	
Cap, Pressure Fuel Servicing	O.C.	
Check Valve	7,000	
Compensator, Fuel Gauge	O.C.	
Drain Valve, Refueling Manifold	O.C.	
Drain Valve, Vent System	7,000	
Filler Cap, Fuel	O.C.	
Housing Assembly, Drip Stick	O.C.	
Indicator, Fuel Quantity	14,000	
Indicator, Fuel Quantity Totalizer	14,000	
Indicator, Fuel Temperature	O.C.	
Pump, Fuel Boost Feed and Transfer	7,000	
Switch, Fuel Dump Control	O.C.	
Switch, Alternate Tank Fill Valve	O.C.	
Switch, Main Tank Fill Valve	O.C.	
Switch, Main Fuel Tank Boost Pump	O.C.	
Switch, Fuel Tank Transfer Pump	O.C.	

Switch, Reservoir Feed Pump	
Pressure Warning	7,000
Slip Tube Assembly, Drip Stick	O.C.
Screen Assembly, Filler Adapter	O.C.
Scroll, Fuel Boost Pump Feed & Transfer	O.C.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Fuel System, Chapter 28 continued		
Swivel, Fuel Dump	O.C.	
Transmitter, Densitometer	O.C.	
Transmitter, Fuel Quantity	O.C.	
Valve, Fire Wall Shutoff	14,000	
Valve, Fuel Tank Selector	7,000	
Valve, Auxiliary Tank Selector	15,000	
Valve, Crossfeed	15,000	
Valve, Refueling Manifold Shutoff	17,500	
Valve, Tank Fill Control	10,500	
Valve, Fuel Dump	15,000	
Valve, Fuel Tank Sump Drain	O.C.	
Valve, Single Float Level Pilot	7,000	
Valve, Check with Screen Inlet	O.C.	
Valve, Feed Pump Shuttle	7,000	
Valve, Swing Check	O.C.	
Hydraulic Power, Chapter 29		
Accumulator, Hydraulic System	17,500	
Manifold Assembly, Right-Hand Hydraulic Power	O.C.	
Manifold Assembly, Left-Hand		
Hydraulic Power	O.C.	
Pump, Engine Driven Hydraulic	4,000	
Pump Assembly, Auxiliary Hydraulic	7,000	
Reservoir Assembly, Hydraulic System	O.C.	
Relief Valve, Hydraulic Reservoir	14,000	
Selector Valve, By Pass & Auxiliary Pump	14,000	
Valve Assembly, Reservoir Pressure Aspirator	7,000	

Valve, Auxiliary Pump Selector	14,000
Valve, Auxiliary Hydraulic System Relief	14,000
Valve Assembly, System Filter & Relief	14,000
Valve, Hydraulic Fire Shutoff	14,000
Ice & Rain Protection, Chapter 30	
Amplifier, Windshield Temperature Control	O.C.
Ammeter, Pitot Heater	O.C.
Heater, PT2 Probe	O.C.
Nacelle Anti Ice & Outer Wing Shutoff Valve	10,500

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Ice & Rain Protection, Chapter 30 (continued)		
Probe Ice Detector	OC	
Switch, Tail Duct Differential Pressure	17,500	
Switch, Nacelle Lip Pressure	10,000	
Timer, Airfoil Deicing	7,000	
Transformer, Windshield Heat	OC	
Valve, Outer Wing & Empennage Deicing	OC	
Valve, Wing Vent Scoop Anti-Ice Shutoff	12,500	
Valve, Inner Wing De-Ice	OC	
Valve, Empennage Ice Protection Shutoff	10,500	
Valve, Fuselage Air Scoop Anti-Ice Shutoff	10,500	
Valve, Windshield Rain Removal	15,000	
Instruments, Chapter 31 May be determined by assigned inspector.		
Landing Gear, Chapter 32		
Axle Nose Gear	12,500	

Accumulator, Nose Wheel Steering	15,000
Bogie Beam Assembly Including Axles & Pivot Pins	12,500
Bleeder Valve, Nose Wheel Steering	OC
Box, Anti-Skid Control	3,500
Cylinder Assembly, Main Gear Actuating	12,500
Cylinder Assembly, Brake Lockout	12,500
Cylinder Assembly, Bogie Trim	12,500
Cylinder Assembly, Main Gear Swivel Lock	12,500
Check Valves, Restrictor & Orifice	OC
Cylinder Assembly, Main Gear Door Latch	12,500
Cylinder Assembly, Main Gear Inboard Door Operating	12,500
Cylinder Assembly, Main Gear Uplatch	12,500
Cylinder Assembly, Nose Gear Retract	12,500
Cylinder Assembly, Nose Gear Uplatch	12,500
Cylinder Assembly, Nose Gear Bungee	12,500
Cylinder Assembly, Nose Wheel Steering	12,500
Detector, Skid	3,500
Emergency Air Brake Bottle	*
Emergency Air Brake Control	OC
Gland Assembly, Main Gear Retract Cylinder	12,500

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Landing Gear, Chapter 32 continued		
Gland Assembly, Main Gear Pivot	12,500	
Gauge, Emergency Air Brake Bottle	O.C.	
Gland Assembly, Nose Gear Upper	12,500	
Gland Assembly, Nose Wheel Steering Swivel	12,500	

Gauge, Nose Wheel Steering	
Accumulator	15,000
Gear Lever, Down Limit Switch	7,000
High Pressure Hose Assemblies	O.C.
Horn, Landing Gear Warning	17,500
Indicator, System Brake Pressure	O.C.
Main Landing Gear Structural	
Components Including Attachment	
to Aircraft	12,500
Manifold, Forward Hydraulic	
Pressure	12,500
Manifold, Aft Hydraulic Pressure	12,500
Manifold Assembly, Aft Brake	12,500
Main Gear Air Valve	O.C.
Main Gear Swivel Lock Assembly	12,500
Main Gear Brake Links & Attachments	12,500
Main Gear Wheel Assembly	O.C.
Main Gear Brake Assembly	O.C.
Main Gear Side Brake Assembly	12,500
Main Gear Uplatch Assembly	12,500
Main Gear Doors	O.C.
Main Gear Door Latching Mechanism	12,500
Main Gear Downlock Visual Indicator	O.C.
Nose Gear Shock Strut Assembly	12,500
Nose Gear Drag & Side Brake	
Assemblies	12,500
Nose Gear Wheel Assembly	O.C.
Nose Gear Torque Arm Assembly	12,500
Nose Gear Anti-Retract Mechanism	12,500
Nose Gear Doors	O.C.
Nose Gear Door Operating Linkage	14,000

Relays Landing Gear System	7,000
Switch, Nose Oleo Ground Control	7,000
Tires, Nose and Main	O.C.
Transmitter, Emergency Air Brake	
Pressure	7,000
Valve Assembly, Trim Cylinder	
Relief	12,500
Valve Assembly, Main Gear Door	
Control	12,500
Valve Assembly, Main Gear Door	
Manual Operation	12,500
Valve Assembly, Main Gear Bungee	
Shuttle	12,500

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AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Landing Gear, Chapter 32 (continued)		
Valve Assembly, Bogie Lock	12,500	
Valve Assembly, Nose Gear Control	12,500	
Valve Assembly, Nose Wheel Steering Control	12,500	
Valve Assembly, Nose Wheel Steering Relief	12,500	
Valve, Anti-Skid Control	3,500	
Warning Switches, Gear & Doors	7,000	
Warning Horn Cut-Off Switch	OC	
Lights, Chapter 33		
May be determined by assigned inspector.		
Navigation, Chapter 34		
May be determined by assigned inspector.		
Oxygen System, Chapter 35		
Cylinder, Oxygen, Crew & Passenger System	*	
Door Actuator Check Valve	OC	
Outlet, Passenger Oxygen Valve	OC	
Outlet, First Aid Valve, Passenger Oxygen	OC	
Regulator Assembly, Crew Cylinder Oxygen Pressure	5,000	
Regulator, Crew Oxygen	7,500	
Regulator and Automatic Opening Valve, Passenger Oxygen	5,000	
Regulator, First Aid Oxygen Cylinder	5,000	
Relay, Oxygen Time Delay	5,000	
Switch Oxygen Altitude	7,500	
Valve, First Aid Supply Passenger Oxygen	OC	
Valve, Oxygen Surge	5,000	
Pneumatic System, Chapter 36		
Amplifier, Pneumatic Temperature Control	12,500	
Actuator, Bleed Air Heat Exchanger	EO	
Bulb, Manifold Air Temperature	OC	
Connector, Pneumatic Duct	OC	
Door Assembly, Bleed Air Heat		

Exchanger Exit	OC
Heat Exchanger, Bleed Air	OC

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Pneumatic System, Chapter 36 continued		
Indicator, Air Supply Temperature	OC	
Relay, Low Pressure Pneumatic	OC	
Switch, Manifold Under Pressure	14,000	
Switch, Manifold Rupture Warning	OC	
Temperature Thermistor	OC	
Thermo Switches, Over and Under Temperature	OC	
Valve, Pneumatic Pressure Regulator	EO	
Valve, Bleed Air Pressure Relief	EO	
Valve Assembly, First Spool Bleed Air Shutoff and Check	7,000	
Valve, Pneumatic Fire Shutoff	14,000	
Valve, Pneumatic Crossfeed	7,500	
Valve, Ground Pneumatic Supply	OC	
Doors, Chapter 52		
Cylinder Assembly, Door Snubber	14,000	
Door Assembly, Turbo Compressor Access	OC	
Main Cabin Cargo Door Hydraulic System	OC	
Cylinder Assembly, Main Cabin Door Actuating	OC	
Powerplant General, Chapter 71		
Links, Engine Mount	3EO	

Engine, Chapter 72

Compressor Section	3,000*
Turbine Section	2,000*

Engine Fuel and Control, Chapter 73

Engine Fuel Filter Element	100
Fuel & Oil Heat Exchanger	2EO
Fuel Pump Pressure Warning Switch	OC
Fuel Boost Pump, Engine Driven	2EO
Fuel Flow Indicator	3,500
Fuel Flow Transmitter	EO
Fuel Pressure Indicator	10,500
Fuel Pressure Transmitter	7,000

\* Sample one turbine section overhaul at 1800 hours, one compressor section overhaul at 2400 hours, and one compressor section overhaul at 2800 hours.

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Engine Ignition, Chapter 74		
Switch, Ignition Arming	OC	
Switch, Ignition Override	OC	
Switch, Fuel Lever Control	OC	
Timer	7,000	
Engine Air, Chapter 75		
Valve, Assembly, Jet Pump	6,000	
Valve, Accessory Compartment Cooling Shutoff	OC	
Engine Controls, Chapter 76		
Lever, Power Control	OC	
Lever, Fuel Shutoff	OC	
Sector, Engine Power Control	OC	
Engine Indicating, Chapter 77		

Generator, Tachometer	3,500
Indicator, Engine RPM	7,000
Indicator, Engine Pressure Ratio	OC
Indicator, Engine Exhaust Gas Temperature	7,000
Pickup, PT2 Pressure	OC
Transmitter, Pressure Ratio	3,500

Exhaust, Reverser & Thrust Brake,  
Chapter 78

Aft Nozzle Cowl	EO
Ejector & Reverser	3,500
Ejector Operating Mechanism	5,000
Exhaust Nozzle	EO
Pneumatic Components Attached to & Related to the Ejector Reverser	3,500
Retractable Ejector Alternate Air	

System	OC
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Oil System, Chapter 79

Actuator, Oil Cooler Exit Door	EO
Bulb, Oil Temperature	OC
Cooler, Engine Oil	EO
Indicator, Constant Speed Drive Oil Temperature	10,000
Indicator, Engine Oil Pressure	EO
Indicator, Engine Oil Quantity	7,500
Indicator, Oil Temperature	10,000
Oil Tank	2EO

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Oil System, Chapter 79 continued		
Switch, Constant Speed Drive Oil Level	7,000	
Switch, Oil Cooler Door	OC	
Switch, Oil Pressure Warning	OC	

Thermostat, Oil Temperature Control	EO
Transmitter, Engine Oil Pressure	EO
Transmitter, Engine Oil Quantity	OC
Valve, Engine Oil Shutoff	
Valve, Constant Speed Drive Oil Shutoff	OC
Valve, Oil Temperature Control	OC

Engine Starting, Chapter 80

Starter, Engine Air Turbine	EO
Valve, Starter Air Shutoff	2EO

Water Injection, Chapter 82

Adapter, Auxiliary Water Fill	OC
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Cap, Auxiliary Water Fill	OC
Cell Assembly, Water	OC
Pump, Water Injection	2EO
Relay, Water Injection & Fill Control	OC
Switch, Water Injection Fill & Drain	OC
Switch, Water Level	OC
Switch, Water Injection Arming	OC
Switch, Water Pressure Warning	OC
Valve, Water Shutoff	12,500
Valve, Engine Water Line Filling	14,000
Valve, Compressor Water Injection	14,000
Valve, Water Drain & Purge	14,000
Valve, Water Injection Relief	7,000
Valve, Tank Pressurization & Drain	7,000
Valve, Pressure Fill	OC
Valve, Tank Drain	7,000

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

Structure Inspection Program

The aircraft structure is divided into zones and a detailed inspection time limitation is listed for each zone. The inspection of the zone shall include all areas of structure, installation of components and appliances unless a specific time limitation is listed otherwise for a particular item.

E Check -	4,000 Hours	Overhaul	Inspection &
D Check -	500 Hours	Period	Check Period

Demountable Powerplant

Aft Surface of Nose Cowl, Firewall, Engine Control and Accessory Brackets. Zone 1, 2, 3, & 4			D
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Wings

Wing Tip Zone 5 L/R	5E		D
Wing Outboard of Sta. Xrs 727			

Zone 6 L/R	5E		
Wing Leading Edge Sta. Xfs 710 to Xw 761 Zone 7 L/R	E		
Wing Leading Edge Sta. Xw 485 to Xfs 710 Zone 8 L/R	E		
No. 1 & 4 Alternate Fuel Tanks Zone 9 L/R	5E		
Wing Trailing Edge Sta. Xw 408 to Xw 761		Aileron Hinge	
Aft of Rear Spar Zone 10 L/R	E	Brackets & Bolts	4D
Aileron and Tab Zone 11 L/R	E	Hinges & Attachments	4D
Aileron Leading Edge Balance Weights	2E		
Wing Leading Edge at Outboard Pylon Sta. Xw 454 to Xw 485 Zone 12 L/R	E		
Outboard Pylon, Apron and Nacelle Access Doors Zone 13 L/R	4D		
Top Side of Upper Spar Zone 13 L/R	2E		
Inboard Pylon, Apron and Nacelle Access Doors Zone 14 L/R	4D		
Top Side of Upper Spar Zone 14 L/R	2E		
Wing Leading Edge Sta. Xw 408 to Xw 454 Zone 15 L/R	E		
Wing Leading Edge Sta. Xw 257 to Xw 408 Zone 16 L/R	E		
No. 1 & 4 Main Fuel Tanks Zone 17 L/R	5E		
Wing Trailing Edge from Outboard Auxiliary Spar to Sta. Xw 408 Zone 18 L/R	E		
Main Landing Gear Support Fittings and Auxiliary Spars Zone 19 L/R	2E		
Wing Leading Edge at Inboard Pylon Sta. Xw 223 to Xw 257 Zone 20			

L/R

E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Wing Leading Edge Sta. Xfs 107 to Xw 223 Zone 21 L/R	E	
Wing Leading Edge Sta. Xwo to Xfs 107 External Inspection Zone 22 L/R	E	
Internal Inspection Zone 22 L/R	5E	
No. 2 & 3 Alternate Fuel Tanks Zone 23 L/R	5E	
No. 2 & 3 Main Fuel Tanks Zone 24 L/R	5E	
Outboard Wing Flap Interior Structure Zone 25 L/R	E	
Flap Hinge Support Fittings Zone 25 L/R	2E	
Aft Side of Flap Spar Zone 25 L/R	4E	
Inboard Wing Flap & Links at the Outboard End of the Flap Which Connect to the Inboard End of the Outboard Flap Zone 26 L/R	E	
Flap Hinge Support Fittings and Aft Side of Flap Spar Zone 26 L/R	4D	
Interior of Center Wing Sta. Xcw 0 to Xcw 69.5 (Front to Rear Spar) Zone 27 L/R	5E	
Fuselage		
Radome Zone 51	E	
Fuselage Turbo Compressor Compt. Zone 52	4E	
Navigation Antenna Compt. Zone 53	E	
Nose Gear Wheel Well Zone 54	4E	
Nose Wheel Well Tunnel Zone 55 L/R	4E	
Air Conditioning Accessory Compt. Sta. 248 to 310 Zone 56	E	
Forward Cargo Compartment Sta. 310 to 640 Zone 57	4E	

Forward Cargo Compartment Tunnel  
 Sta. 310 to 640 Zone 57 L/R 4E  
 Fuselage Accessory Compartment  
 Sta. 640 to 680 Zone 58 E  
 Upper and Lower Front Spar Cap,  
 Forward Face of Front Spar Web,  
 Upper and Lower Front Spar Caps

and Splice Plates at Sta. Xcw 0  
 Zone 58 4E  
 Aft Cargo Compartment Sta. 980 to  
 1340 Zone 59 4E  
 Aft Cargo Compartment Tunnel Sta.  
 980 to 1340 Zone 59 L/R 4E  
 Fuselage Belly Compartment Sta.  
 1337 to Pressure Dome at Sta.  
 1490 Zone 60 DC-8-50 E

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Fuselage		
Fuselage Belly Compartment Sta. 1337 to Pressure Panel at Sta. 1566 Zone 60 DC-8-F only	E	
Aft Fuselage Sta. 1490 to 1690 Zone 61 DC-8-50	E	
Aft Fuselage Sta. 1566 to 1690 Zone 61 DC-8-F only	E	
Aft Face and Periphery of Pressure Panel at Fuselage Sta. 1566 Zone 61 DC-8-F only	E	
Fuselage Tail Cone Zone 62	E	
Fuselage Sta. 109 to 123 above Cockpit Floor Zone 63	4E	
Fuselage Cockpit Sta. 123 to 188 Zone 64	4E	
Fuselage Cockpit Sta. 188 to 265 Above Floor Zone 65 L/R	E	
Fuselage Sta. 248 to 109 Between Cockpit Floor and Horizontal Pressure Panel Zone 66	E	

Forward and Aft Galley Areas Sta.  
 360 to 460 and Sta. 1300 to  
 1420 R. Side Zone 67 E  
 Scuff Plates at Forward and Aft

Service Door Jambs. Internal  
 Inspection of Door Jambs,  
 Intercostals and Frames at  
 Fuselage Sta. 395.430, 1338 &  
 1375. Inspection of Door Hinge  
 Attachments and Door Snubber  
 Attachments to Jambs Zone 67 4E  
 Forward and Aft Lavatory Areas  
 Zone 68 4E  
 Vertical Stabilizer Front and  
 Center Spar Attachments to  
 Fuselage Longerons, Between  
 Fuselage Sta.'s 1500 & 1566  
 DC-8-F only 4E  
 Upper and Lower Attachments of Aft  
 Pressure Panel Vertical Beam  
 (Center Line-Forward Face of  
 Pressure Panel) Fuselage Sta.  
 1566 Zone 68 DC-8-F only 4E  
 Fuselage Entrance Doors Zone 69 4E  
 Fuselage Sta. 680 to 980 Between  
 Bottom of Floor and Top of Wing  
 and Wheel Well Zone 70  
 Upper Wing to Fuselage Fillet  
 Zone L/R 4E

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 DOUGLAS DC-8/F

	Overhaul Period	Inspection & Check Period
Fuselage		
Lower Wing to Fuselage Fillet Sta. 680 to 980 Zone 72 L/R	4E	
Fuselage Less Zones 67 & 68 From Sta. 265 to 1445 Above Cusp Zone 73	4E	
Internal Inspection of Main Cabin		

Cargo Door Jamb Intercostals

and Frames at Fuselage Sta. 370	
and 510 Zone 73 DC-8-F only	4E
Left and Right Main Landing Gear	
and Wheel Well Zone 74 L/R	4E
Wheel Well Keel Zone 74 L/R	E
Left & Right Horizontal Stabilizer	
Leading Edge Zone 75 L/R	2E
Forward Face of Stabilizer Front	
Spar Zone 75 L/R	E
Left & Right Horizontal Stabilizer	
Outer Panel Zone 76 L/R	4E
Horizontal Stabilizer Center	
Section Zone 77	2E
Left & Right Elevator & Tabs Zone	
78 L/R	E
Vertical Stabilizer Leading Edge	
Zone 79	2E
Vertical Stabilizer Front Spar to	
Rear Spar Zone 80	2E
Vertical Stabilizer Tip Zone 81	3E
Rudder and Tab Zone 82	2E
Rudder Hinge Fittings and Damper	E
Horizontal Stabilizer Tip Zone 83	
L/R	2E
Left and Right Aft Fillet Zone 84	
L/R	2E

Effective date \_\_\_\_\_

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FIGURE 22. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- DOUGLAS DC-8-61/61F

PART D

PAGE 1 of 9 PAGES

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-61/61F

Following are additional items and/or changes to the original Douglas DC-8/F aircraft specification listing which apply to the Douglas DC-8-61/61F aircraft.

Zone diagrams for the Douglas DC-8/F are also applicable to Douglas DC-8-61/61/F aircraft, however, fuselage stations listed will apply to the Douglas DC-8/F.

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21		
Valve, Fan Unloader	OC	D,E
Filter, Recirculating Fan	OC	D
Valve, Cold Air Bypass	OC	D,E
Electrical Power, Chapter 24		
Constant Speed Drive, 30 KVA	3,000	D-oil Change
Fire Protection, Chapter 26		
(61F) Pyrotector (Smoke Detector)	OC	D,E
Container - Fire Extinguisher	*	D,E
Cartridge - Dual Squib	4 years	D,E
* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.		
Landing Gear, Chapter 32		
Energy Absorber, Tailskid	OC	D
Ice and Rain Protection, Chapter 30		
Rain Repellent System	OC	D
Tail De-icing Timer	OC	D,E
Pneumatics, Chapter 36		
Amplifier, Pneumatic Manifold		
Rupture Warning System	OC	D,E
Sensing Element - Pneumatic		
Manifold Rupture Warning	OC	E

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-61/61F

	Overhaul Period	Inspection & Check Period
Doors, Chapter 52		

(61F) Main Cabin Cargo Door		
Hydraulic System (Same as 55F)	O.C.	See Note *
(61F) Cylinder Assembly, Main		
Cabin Cargo Door Actuating	O.C.	See Note *

NOTE:

\* The design of the main cabin cargo door installation is such that in the normally latched and locked position, it can be structurally compared to any fixed portion of the fuselage.

It is only when the door is actuated open on the ground during cargo loading operations that the heaviest loads are incurred. These loads would be greatest at the upper door hinge and hydraulic actuating cylinder attach points. The door seal would also be subject to damage at this time.

Thus, door utilization establishes inspection frequency. Under these conditions, Douglas suggests the following procedure for purposes of inspection.

- (1) Conduct a general visual area inspection of the upper cargo door hinge attachments, door jamb, door actuating cylinder attachments, door seal and latching mechanism at the scheduled "D" service following use of the aircraft in cargo configuration.
- (2) If the aircraft is operated solely in the passenger configuration, conduct a general visual area inspection (as above) no later than "E" frequency.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-61/61F

STRUCTURE INSPECTION PROGRAM

E Check -	4000 Hours	Overhaul	Inspection &
D Check -	500 Hours	Period	Check Period

Demountable Powerplant

Aft Surface of Nose Cowl, Firewall,

Engine Control and Accessory  
Brackets, Zone 1, 2, 3 and 4

D

Wings

Wing Tip, Zone 5 L/R	5E	D
Wing Outboard of Sta. Xrs 727, Zone 6 L/R & Zone 9 L/R	5E	
Wing Leading Edge Sta. Xfs 710 to Xw 761, Zone 7 L/R	E	
Wing Leading Edge Sta. Xw 485 to Xfs 710, Zone 8 L/R	E	
No. 1 & 4 Alternate Fuel Tanks, Zone 9 L/R	5E	
Wing Trailing Edge Sta. Xw 408 to Xw 761 Aft of Rear Spar, Zone 10 L/R	E	Aileron Hinge Brackets and Bolts 4D
Aileron and Tab, Zone 11 L/R	E	Hinges & Attachments 4D
Aileron Leading Edge Balance Weights	2E	
Wing Leading Edge at Outboard Pylon Sta. Xw 454 to Xw 485, Zone 12 L/R	E	
Outboard Pylon, Apron and Nacelle Access Doors, Zone 13 L/R	4D	
Top Side of Upper Spar, Zone 13 L/R	2E	

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

DOUGLAS DC-8-61/61F

STRUCTURE INSPECTION PROGRAM

Overhaul Period	Inspection & Check Period
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Wings (continued)

Inboard Pylon, Apron and Nacelle Access Doors, Zone 14 L/R	4D
Top Side of Upper Spar, Zone 14 L/R	2E
Wing Leading Edge Sta. Xw 408 to Xw 454, Zone 15 L/R	E
Wing Leading Edge Sta. Xw 257 to Xw 408, Zone 16 L/R	E
No. 1 & 4 Main Fuel Tanks, Zone 17 L/R	5E
Wing Trailing Edge from Outboard Auxiliary Spar to Sta. Xw 408, Zone 18 L/R	E
Main Leading Gear Support Fittings and Auxiliary Spars, Zone 19 L/R	2E
Wing Leading Edge at Inboard Pylon Sta. Xw 223 to Xw 257, Zone 20 L/R	E
Wing Leading Edge Sta. Xfs 107 to Xw 223, Zone 21 L/R	E
Wing Leading Edge Sta. Xwo to Xfs 107 External Inspection, Zone 22 L/R	E
Internal Inspection, Zone 22 L/R	5E
No. 2 & 3 Alternate Fuel Tanks, Zone 23 L/R	5E
No. 2 & 3 Main Fuel Tanks, Zone 24 L/R	5E
Outboard Wing Flap Interior Structure, Zone 25 L/R	E
Flap Hinge Support Fittings, Zone 25 L/R	2E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-61/61F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Wings (Continued)		
Aft Side of Flap Spar, Zone 25 L/R	4E	
Inboard Wing Flap & Links at the Outboard End of the Flap, which Connect to the Inboard End of the Outboard Flap, Zone 26 L/R	E	
Flap Hinge Support Fittings and Aft Side of Flap Spar, Zone 26 L/R	4E	
Interior or Center Wing Sta. Xcw 0 to Xcw 69.5 (Front to Rear Spar), Zone 27 L/R	5E	
Fuselage (All Stations are DC-8-61/61F)		
Radome, Zone 51	E	
Fuselage Turbo Compressor Compt., Zone 52	4E	
Navigation Antenna Compt., Zone 53	E	
Nose Gear Wheel Well, Zone 54	4E	
Nose Wheel Well Tunnel, Zone 55 L/R	4E	
Air Conditioning Accessory Compt. Sta. 8 to 70, Zone 56	E	
Forward Cargo Compartment Sta. 70 to 640, Zone 57	4E	

Forward Cargo Compartment Tunnel	
Sta. 70 to 640, Zone 57 L/R	4E
Fuselage Accessory Compartment	
Sta. 640 to 680, Zone 58	E

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-61/61F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Upper and Lower Front Spar Cap, Forward Face of Front Spar Web Upper and Lower Front Spar Caps and Splice Plates at Sta. Xcw 0, Zone 58	4E	
Aft Cargo Compartment Sta. 980 to 1540, Zone 59	4E	
Aft Cargo Compartment Tunnel, Sta. 980 to 1540, Zone 59 L/R	4E	
Fuselage Belly Compartment Sta. 1540 to Pressure Panel at Sta. 1766, Zone 60	E	
Aft Fuselage Sta. 1766 to 1890, Zone 61	E	
Aft Face and Periphery of Pressure Panel at Fuselage Sta. 1766, Zone 61	E	
Fuselage Tail Cone, Zone 62	E	
Fuselage Sta. -131 to -117 above Cockpit Floor, Zone 63	4E	
Fuselage Cockpit Sta. -117 to -52, Zone 64	4E	

Fuselage Cockpit Sta. -52 to 25  
above Floor, Zone 65 L/R E

Fuselage Sta. 8 to -131 between  
Cockpit Floor and Horizontal  
Pressure Panel, Zone 66 E

Forward and Aft Galley Areas Sta.  
360 to 460 and Sta. 1500 to  
1620 R. Side, Zone 67 E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-61/61F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Scuff Plates at Forward and Aft Service Door Jambs, Internal		
Inspection of Door Jambs. Intercostals and Frames at Fuselage Sta. 395, 430, 1538 and 1575. Inspection of Door Hinge Attachments and Door Snubber Attachments to Jambs, Zone 67	4E	
Forward and Aft Lavatory Area, Zone 68	4E	
Vertical Stabilizer Front and Center Spar Attachments to Fuselage Longerons, between Fuselage Sta's. 1700 and 1766, Zone 68	4E	
Upper and Lower Attachments of Aft Pressure Panel Vertical Beam (Center Line-Forward Face of Pressure Panel) Fuselage Sta.		

1766, Zone 68	4E
Fuselage Entrance Doors, Zone 69	4E
Cargo Doors, Zone 69	4E
Exit Doors, All Types, Zone 69	4E
Fuselage Sta. 680 to 980 between Bottom of Floor and Top of Wing and Wheel Well, Zone 70	4E
Upper Wing to Fuselage Fillet, Zone 71 L/R	4E
Lower Wing to Fuselage Fillet Sta. 680 to 980, Zone 72 L/R	4E
Fuselage Less Zones 67 & 68, from Sta. 25 to 1645 above Cusp., Zone 73	4E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-61/61F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
(61F) Internal Inspection of Main Cabin Cargo Door Jamb Intercostals and Frames at Fuselage Sta. 130 and 270, Zone 73	4E	
Internal Inspection of Type I Emergency Exit Door Jambs, Intercostals and Frames at Approx. Fuselage Sta. 392, 416, 1312 & 1336, Zone 73	4E	
Left and Right Main Landing Gear and Wheel Well, Zone 74 L/R	4E	

Wheel Well Keel, Zone 74 L/R	E
Left and Right Horizontal Stabilizer Leading Edge, Zone 75 L/R	2E
Forward Face of Stabilizer Front Spar, Zone 75 L/R	E
Left and Right Horizontal Stabilizer Outer Panel, Zone 76 L/R	4E
Horizontal Stabilizer Center Section, Zone 77	2E
Left and Right Elevator and Tabs, Zone 78 L/R	E
Vertical Stabilizer Leading Edge, Zone 79	2E
Vertical Stabilizer Front Spar to Rear Spar, Zone 80	2E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-61/61F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Vertical Stabilizer Tip, Zone 81	3E	
Rudder and Tab, Zone 82	2E	
Rudder Hinge Fittings and Damper	E	
Horizontal Stabilizer Tip, Zone 83 L/R	2E	
Left and Right Aft Fillet, Zone 84		

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FIGURE 22. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- DOUGLAS DC-8/F

DC-8 INSPECTION AND MAINTENANCE PROGRAM  
[FIGURE NOT INCLUDED]

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FIGURE 23. OPERATIONS SPECIFICATIONS AIRCRAFT  
MAINTENANCE - LOCKHEED MODEL 382

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY

Form Approved.  
Budget Bureau  
No. 04-R075.

WASHINGTON

PART D

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

INSPECTION/CHECK REQUIREMENTS

The basic requirements for performing these inspections and checks are as specified in PART I of Lockheed Service Manual Publication SMP 515, revised June 1, 1970, and subsequent revisions thereto.

"A" INSPECTION/CHECK

To be accomplished each service calendar day.

"B" INSPECTION/CHECK

To be accomplished at intervals not exceeding 200 hours time in service after the preceding "B" or "C" inspection/check period.

"C" INSPECTION/CHECK

To be accomplished at intervals not exceeding 600 hours time in service after the preceding "C" inspection/check period.

AIRFRAME STRUCTURAL INSPECTIONS

The frequency and procedure for performing these inspections will

be accomplished as specified in PART I and PART III of Lockheed Service Manual Publication SMP 515, revised June 1, 1970, and subsequent thereto.

"SP" SPECIAL INSPECTIONS

The frequency and procedure for performing these inspections will be accomplished as specified in PART IV of Lockheed Service Publication SMP 515, revised June 1, 1970, and subsequent revisions thereto.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

	Overhaul Period	Inspection & Check Period			
		A	B	C	SP
Air Conditioning, Chapter 21	OC				
Condenser, Water Separator (Cargo Compt.)	OC			C	
Condenser, Water Separator (Flt. Sta.)	OC			C	
Control Box, Temp. (Cargo Compt.)	OC			C	
Control Box, Temp. (Flt. Sta.)	OC			C	
Controller, Cabin Air Pressure Fan, Recirculation	3,400 6,300			C	
Heat Exchanger (Cargo Compt.)	OC			C	
Heat Exchanger (Flt. Sta.)	OC			C	
Indicator, Cabin Altitude	12,600			C	
Indicator, Cabin Rate of Climb	12,600			C	
Indicator, Differential Press.	12,600			C	
Separator, Water (Cargo Compt.)	OC			C	
Separator, Water (Flt. Sta.)	OC			C	
Switch, Differential Pressure	1,800			C	
Switch, Emergency Depressurization	OC			C	
Thermostat, Cabin Air Temp.	6,300			C	
Thermostat, Duct Anticipator (Cargo Compt.)	OC			C	
Thermostat, Duct Anticipator (Flt. Sta.)	OC			C	
Turbine, Cooling (Cargo Compt.)	1,800			C	
Turbine, Cooling (Flt. Sta.)	1,800			C	
Valve, Aux. Vent (Cargo Compt.)	12,600			C	
Valve, Aux. Vent (Flt. Sta.)	12,600			C	
Valve, Cargo Floor Heat	12,600			C	

Valve, Cargo Floor Heat Diverter	12,600					C
Valve, Flow Cont. & Shut-Off (Cargo Compt.)	12,600					C
Valve, Flow Cont. & Shut-Off (Flt. Sta.)	12,600					C
Valve, Outflow	6,300					C
Valve, Safety	OC					C
Valve, Temp. Cont. (Cargo Compt. Dual Butterfly)	12,600					C
Valve, Temp. Cont. (Flt. Sta. Dual Butterfly)	12,600					C
Auto Flight, Chapter 22	OC	A	B	C		2C
Amplifier, Electronic Control, Approach and Nav.	3,400					C
Amplifier, Electronic Control, Auto Pilot (Main)	3,400					C
Control, Engage & Approach	6,300					C
Control, Gyro, Roll & Pitch	3,400					C
Control, Servo	3,400					C 2C
Control, Trim Tab Adapter	6,300					C
Controller, Flight	6,300					C
Drum and Bracket Assembly	OC					C
Motor and Drive Assembly	6,300					C
Relay, Servo Engage	6,300					C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

	Overhaul Period	Inspection & Check Period			
		A	B	C	SP
Communications, Chapter 23	OC				
May be determined by assigned inspector.					
Electrical Power, Chapter 24	OC	A	B	C	
Battery	OC	A	B	C	
Control Panel, AC	3,400				C
Frequency Meter	OC				C
Generator, 20 KVA, ATM Driven	12,600				C
Generator, 40 KVA, Engine Driven	EO		B	C	
Indicator, Loadmeter (AC)	OC				C

Indicator, Loadmeter (DC)	OC	C
Inverter, 250 VA	6,300	C
Inverter, 2500 VA	6,300	C
Regulator, Voltage, 20 KVA		
Generator	12,600	C
Regulator, Voltage, 40 KVA		
Generator	3,400	C
Relay, Battery	OC	C

Relay, Bus	6,300	C
Relay, Bus Off (AC)	OC	C
Relay, Bus Off (DC)	OC	C
Relay, External Power, AC	OC	C
Relay, External Power, DC	OC	C
Relay, Frequency Sensitive	OC	C
Relay, Generator & Bus Tie (AC)	12,600	C
Relay, Reverse Current	9,450	C
Transformer, Instrument	OC	C
Transformer, Instrument (Engine)	OC	C
Transformer, Rectifier	OC	C
Voltmeter, AC	OC	C
Voltmeter, DC	OC	C

Equipment & Furnishings, Chapter 25	OC	A	B	C
Kit, First Aid	OC	A	B	C
Seat Belts and Harnesses	OC	A	B	C
Seat, Flight Station, FAA Observer	OC	A	B	C
Seats, Flight Station	OC	A	B	C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382B, D, E, & F

	Overhaul Period	Inspection & Check Period
Fire Protection, Chapter 26	OC	A B C EC SP
Amplifier, Control Unit	OC	C
Amplifier, Control, Smoke Detection	OC	C
Control Panel, Assembly	OC	C
Control Relay (Unit)	OC	C
Extinguisher, Portable	*	B C
Flasher, Overheat	OC	C
Inert Element, Fire Detection	OC	C
Smoke Detector	OC	C
Sensing Element, Fire Detection	OC	C EC

Sphere Assy., (Agent Container)	*	B C
Squib, Fire Extinguisher	OC	C SP (Note 1)
Valve, Directional	OC	C

Note 1: Replace at 5 years from date of manufacture.

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	OC	A B C SP
Actuator, Rudder Trim Tab	6,300	C
Actuator, Aileron Trim Tab	6,300	C
Actuator, Elevator Trim Tab	3,400	C
Aileron & Trim Tab Assembly	OC	A B C
Booster Assy. Rudder	8,000	B C
Booster Assy. Elevator	8,000	B C
Booster Assy. Aileron	8,000	B C
Brake, Flap Asymmetry	12,600	C
Control Column Assembly	12,600	B C
Elevator & Trim Tab Assy.	OC	A B C
Gear Box Assy., Flap Drive	12,600	C
Gear Box, Wing Flap Jackscrew	6,300	B C
Indicator, Flap Position	12,600	C
Indicator, Aileron Trim Tab Position	12,600	C
Indicator, Elevator Trim Tab Position	12,600	C
Indicator, Rudder Trim Tab Position	12,600	C
Motor, Wing Flap Drive	6,300	B C
Relay, Trim Tab Control	12,600	C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27 continued		
Rudder Pedal Assembly	12,600	B C
Rudder & Trim Tab Assy.	OC	B C
Screw and Yoke Assy., Flap		

Jackscrew	OC	B	C	SP
Screwjack, Elevator Trim Tab	6,300		C	
Shaft, Flexible, Elevator Trim Tab	6,300		C	
Shaft, Flexible, Elevator Trim Tab Actuator	6,300		C	
Switch, Flap Asymmetry	12,600		C	
Switch, Flap Cable Failure Detection	OC		C	(Note 1)
Tension Regulator, Cable	OC		C	
Transmitter, Flap Position	12,600		C	
Valve, Flap Brake Control	12,600		C	
Valve, Flap Selector	12,600		C	
Valve, Pressure Reducer	OC		C	
Valve, Rudder System Relief	OC		C	
Wing Flap Assembly	OC	A	B	C

Note 1: Perform operational check at 6300 hours.

Fuel System, Chapter 28	OC	A	B	C	SP
Indicator, Fuel Quantity	12,600			C	
Indicator, Manifold Fuel Pressure	12,600			C	
Power Supply	OC			C	
Pump, Drain (SPR Manifold)	12,600			C	
Pump, Fuel Boost	6,300			C	
Pump, Fuel Jettison	12,600			C	
Relay, Fuel Quantity	OC			C	
Switch, Fuel Press. Warning	OC			C	
Tank Unit, Fuel Quantity	OC			C	
Transmitter, Manifold Fuel Pressure	12,600			C	
Valve, 1-inch Motor Operated Fuel Shut Off	12,600			C	
Valve, Dual Level Control	12,600			C	
Valve, Fuel Dump and Shut-Off	12,600			C	
Valve, Fuel Shut-Off	12,600			C	
Valve, Fuel Tank Vent	12,600			C	

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	Period	Check Period			
		A	B	C	SP
Hydraulic Power, Chapter 29	OC	A	B	C	SP
Accumulator	12,600		B	C	
Filter Assy., High Pressure	OC			C	
Filter Assy., Low Pressure	OC			C	
Filter, Reservoir Vent Line	OC			C	
Heat Exchanger	OC			C	
Indicator, Remote Pressure	12,600			C	
Pump, Auxiliary Elec. Driven	6,300		B	C	
Pump, Engine Driven	EO		B	C	
Pump, Hand	OC			C	
Pump, Suction Boost	3,400		B	C	
Reservoir	OC	A	B	C	
Switch, Low Pressure	OC			C	
Transmitter, Pressure	12,600			C	
Valve, Check	OC			C	
Valve, Firewall Shut-Off	6,300			C	
Valve, Pressure Shut-Off	12,600			C	
Valve, Relief	12,600			C	
Valve, Relief, In-Line	OC			C	
Valve, 9 Ported Manual	6,300			C	
Ice & Rain Protection, Chapter 30	OC	A	B	C	SP
Ammeter, Propeller Anti-Icing	OC			C	
Boot, Propeller Blade Anti-Icing	OC		B	C	
Control Box, NESAs	12,600			C	
Converter, Windshield Wiper	12,600		B	C	
Detector, Ice	OC			C	
Duct, Bleed Air	OC			C	
Duct, Wing & Empennage	OC			C	
Ejector, Wing & Empennage Anti-Icing	OC			C	
Indicator, Temperature, Anti-Icing	OC			C	
Interpreter, Ice Detector	OC			C	
Light Assy., Ice Warning	OC			C	
Motor, Windshield Wiper	12,600		B	C	
Relay, Windshield, Anti-Icing	12,600			C	
Switch, Thermal Inlet Duct Anti-Ice	OC			C	
Temperature Bulb	OC			C	
Thermostat, Overheat Warning	OC			C	
Timer, Propeller De-Icing	12,600			C	

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

	Overhaul Period	Inspection & Check Period		
Ice & Rain Protection, Chapter 30 continued				
Transformer, NESA	OC			C
Valve, Pressure Regulator	12,600			C
Valve, Pressure Relief (Radome)	OC			C
Valve, Wing & Empennage Anti-Icing	OC			C
Window, NESA	OC	B		C
Instruments, Chapter 31				
Accelerometer	OC			C
Accelerometer, Vertical (Flight Recorder)	3,400			C
Amplifier, Servo, Flight Recorder	3,400			C
Clock	OC			C
Control, Flight Recorder	OC			C
Flight Recorder	3,400			C
Landing Gear, Chapter 32				
Accumulator, Brake	12,600		B C	SP
Ball Screw Assy., MLG	3,400		B C	
Brake Assembly	OC		B C	
Control Box, Anti-Skid	6,300			C
Cylinder, NLG Steering	12,600	A	B C	
Cylinder, NLG Up-Lock	12,600	A	B C	
Cylinder, NLG Drag Strut Actuating	12,600	A	B C	
Detector, Anti-Skid	6,300	A	B C	(Note 1)
Fuse, Brake, Hydraulic	OC			C
Gear Box Assy., Manual Extension & Retraction MLG	6,300			C
Gear Box Assy., Extension & Retraction, MLG (90 degrees)	12,600			C
Indicator, Position	OC			C
Limit Switch	OC			C
Linkages, Landing Gear Door				
Actuating	OC	A	B C	
Motor, Hydraulic, MLG Actuating	6,300			C

Relay, Touchdown	OC			C
Strut, MLG, Oleo-pneumatic	12,600	A	B	C
Strut, NLG, Oleo-pneumatic	12,600	A	B	C
Tires, MLG	OC	A	B	C
Tires, NLG	OC	A	B	C
Torque Strut, MLG	12,600	A	B	C
Valve, Brake Anti-Skid	6,300			C
Valve, Control By-Pass, LG	12,600			C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

	Overhaul Period	Inspection & Check Period		
Landing Gear, Chapter 32 (continued)				
Valve, Dual Brake Control	6,300			C
Valve, NLG Emerg. Extension	12,600	A	B	C
Valve, NLG Steering Control	6,300			C
Valve, Selector Emer. Brake	12,600			C
Valve, Selector, Landing Gear	12,600			C
Valve, Shuttle	OC			C
Valve, Shuttle, NLG	OC			C
Wheel, Main Landing Gear	OC	A	B	C (Note 2)
Wheel, Nose Landing Gear	OC	A	B	C (Note 2)

Note 1: Inspect at each wheel removal.

Note 2: Visually inspect at each tire change; perform non-destructive inspection each 5th tire change.

Lights, Chapter 33	OC	A	B	C
Light Assy., Anti-Collision	OC		B	C
Light Assy., Dome	OC		B	C
Light Assy., Instrument Edge	OC		B	C

Light Assy., Instrument Panel Floor	OC		B	C
Light Assy., Leading Edge Scanning	OC		B	C
Light Assy., Navigation	OC		B	C
Light Assy., Ramp Flood	OC		B	C
Light Assy., Retractable, Landing	OC		B	C

Light Assy., Thunderstorm	OC	B	C		
Rheostat	OC	B	C		
Transformer, Instr. Lights	OC		C		
Navigation, Chapter 34	OC	A	B	C	
May be determined by assigned inspector.					
Oxygen, Chapter 35	OC	A	B	C	SP
Cylinder Assy., Oxygen	*	A	B	C	
Cylinder, Portable Oxygen	*	A	B	C	
Mask, Crew	OC	A	B	C	
Regulator Assy., (Fixed System)	6,300	A	B	C	
Regulator Assy., Portable System	6,300			C	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

	Overhaul Period	Inspection & Check Period			
Pneumatic, Chapter 36	OC	A	B	C	SP
Indicator, Bleed Air Pressure	OC			C	
					(Note 1)
Valve, Bleed Air Check	OC			C	
Valve, Bleed Air Divider	12,600			C	
Valve, Bleed Air Shut-Off	12,600			C	
Valve, Wing Isolation	12,600			C	

Note 1: Bench Service to insure proper operation and calibration at 12,600 flight hours.

Auxiliary Power, Chapter 49	OC	A	B	C	SP
Actuator, G.T.C. Door	12,600			C	
Air Turbine Motor	ETI 800*	B	C		
Compressor, Gas Turbine	ETI 1250*	B	C	SP	
	or				
	5,000 Starts				

Fan, ATM	6,300	C
Indicator, Elapsed Time	OC	C
Valve, GTC Oil Shut-Off	OC	C

\* Airframe equivalent hours of 6,300 may be used.

Door System, Chapter 52	OC	A	B	C
Cylinder, Aft Cargo Door	12,600	A	B	C
Cylinder, Ramp Actuating	9,450			C
Cylinder, Ramp Uplock	12,600			C
Uplock, Aft Cargo Door	12,600			C
Valve, Ramp Manifold Control	12,600			C

Fuselage, Chapter 53	See Structural Inspection Program
Nacelles, Chapter 54	See Structural Inspection Program
Stabilizers, Chapter 55	See Structural Inspection Program
Windows, Chapter 56	See Structural Inspection Program
Wings, Chapter 57	See Structural Inspection Program

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

	Overhaul Period	Inspection & Check Period			
Propeller, Chapter 61	OC	A	B	C	SP
Hub, Dome & Blade Assy., Propeller	4,000	A	B	C	SP (Note 1)
Pump Housing, Propeller	4,000	A	B	C	SP (Note 2)
Relay, Prop., Feathering	12,600				C
Spinner, Propeller	OC	A	B	C	

Synchrophaser	OC				C
Trim Control, Manual Phase	OC				C
Valve Housing, Propeller	4,000*	A	B	C	SP

Note 1: This includes the Spinner Bulkhead.

Note 2: This includes the NTS Bracket and Anti-Rotation (Drive) Lug.

\* The overhaul period for valve housings serial C8175 and up or having a part number with the suffix P4 or having

Hamilton-Standard Service Bulletin No. 36 incorporated is 4,000 hours. For other valve housings the overhaul period is 2,400 hours.

Power Plant, Chapter 71	OC	A	B	C	EC	SP
Cowling	OC	A	B	C	EC	
Engine Dynafocal Mounts	OC			C	EC	
Fire Seals	OC			C	EC	
QEC Cone Mounts	OC			C	EC	
QEC Structure	OC			C	EC	
Engine, Turboprop, Chapter 72	OC	A	B	C		SP
Engine Compressor Section	5,000	A	B	C		(Note 2)
Reduction Gear Assy.	EO		B	C		
Torquemeter, Assy.	EO		B	C		
Turbine Unit 501-D22	EO	A	B	C		(Note 1)
Turbine Unit 501-D22A	EO	A	B	C		(Note 3)

Note 1: At intervals not to exceed 2,000 hours turbine operating time, perform turbine maintenance inspection in accordance with Allison Publication 4RC-2 and replace life limited parts on turbines not modified in accordance with Allison Commercial Engine Bulletin No. 72-1019.

Note 2: Operators of Allison D-22 engines having an approved engine overhaul period greater than 5,000 hours may have the same approved time for D-22A engines.

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 LOCKHEED MODEL SERIES 382, 382B, D, E, F & G

	Overhaul Period	Inspection & Check Period
Engine, Turboprop, Chapter 72 continued	OC	A B C SP

Note 3: At an interval not to exceed 3,000 hours turbine section operating time, perform one hot section inspection in accordance with Allison Publication 4RC-2, Chapter

72-1-0, for 501-D22A series engines. On the basis of satisfactory findings, the interval for this inspection may be increased at the rate of 1,000 hours until it coincides with the currently approved engine overhaul period.

Engine, Fuel and Control, Chapter 73	OC	A B C	
Control, Speed Sensing	2 EO	C	
Control, Temperature Datum	OC	C	
Control, Unit, Fuel	EO	C	
Coordinator	EO	C	
Harness, Thermocouple	OC	C	
Heater and Strainer Assy., Eng. Fuel	OC	C	
Indicator, Fuel Flow	OC	C	(Note)
Pump, Fuel	EO	C	
Transmitter, Fuel Flow	2 EO	C	
Valve, Temperature Datum Control System	EO	C	

Note: Bench check at 2 EO.

Ignition, Chapter 74	OC	A B C	
Exciter	OC	C	
Harness Assembly	OC	C	
Igniter Plug	OC	C	
Relay, Ignition	OC	C	
Air, Chapter 75	OC	A B C EC	
Duct, Compressor Bleed Air (Engine Mounted)	OC	C EC	
Valve, Shut-Off, Inlet Anti-Ice	2 EO	C	
Valve, Speed Sensitive	EO	C	
Controls, Chapter 76	OC	A B C EC	
Power Lever System and Engine Coordinator Controls and Linkages	OC	B C EC	

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	Overhaul Period	Inspection & Check Period
Indicating, Chapter 77	OC	A B C
Generator, Tachometer	2 EO	C
Indicator, Tachometer	OC	C
Indicator, Torque	OC	C
Indicator, TIT	OC	C
Pickup, Torque	EO	C
Exhaust, Chapter 78	OC	A B C
Clamp, Tail Pipe	OC	A B C
Tail Pipe Assembly	OC	A B C
Oil, Chapter 79	OC	A B C EC
Actuator, Flap, Oil Cooler	2 EO	C
Cooler, Assy. Eng. Oil	OC	C EC
Indicator, Oil Pressure	20,000	C (Note)
Indicator, Oil Quantity	20,000	C (Note)
Indicator, Oil Temperature	20,000	C (Note)
Indicator, Position, Oil Cooler Flap	20,000	C (Note)
Switch Pressure, Oil (95023)	OC	C
Switch Pressure, Oil (95024)	OC	C
Tank, Assy., Eng. Oil	OC	C EC
Tank Unit, Oil Quantity	OC	C EC
Thermostat	OC	C
Transmitter, Oil Pressure	OC	C

Note: Bench check at 10,000 hours.

Starting, Chapter 80	OC	A B C
Starter	EO	C
Starter, Valve	2 EO	C

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FIGURE 24. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- CONVAIR CV-880

WASHINGTON

OPERATIONS SPECIFICATIONS

PART D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-880

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	12,500	
Cabin Supercharger	3,000	
Fan, Condenser	6,000	
Fan, Electronic Cooling	8,000	
Freon Package	3,000	
Heater, Dual Cabin Air Electric	3,000	
Regulator, Cabin Pressure	6,000	
Valve, Cabin Pressure Regulator Outflow and Safety	3,000	
Valve, Condenser Air Modulating	3,000	
Valve, Freon Bleed Duct Isolation	5,000	
Valve, Ram Air Shutoff	3,000	
Valve, Supercharger Drive Shutoff	3,000	
Auto Pilot, Chapter 22	12,500	
Computer, Flight Control	5,000	
Junction Box-Power	6,000	
Rate Controller - Three Axis	6,000	
Sensor, Air Data	6,000	
Servo and Drive	6,000	
Stabilization Computer and Amplifier	5,000	
Transmitter, Autosyn Position	7,500	
Trim Servo	6,000	
Vertical Gyro	3,000	
Communications, Chapter 23	12,500	
May be determined by assigned inspector.		
Electrical System, Chapter 24	12,500	
Ammeter, A.C.	10,000	
Ammeter, D.C.	10,000	
Battery	O.C.	
Bus Protection Panel	6,000	
Constant Speed Drive	1,800	
Contractor Bus Tie, Pilot's Essential - Ground/Maintenance	6,000	
Contractor, External Power	10,000	
Contractor, Generator Line & Bus		

Tie	6,000
Control Panel Voltage Regulator	4,000
CSD Air Oil Cooler Shutoff Valve	3,000
CSD Oil Cooler	7,500

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	Overhaul Period	Inspection & Check Period
Electrical System, Chapter 24 (continued)		
CSD Oil Cooler Thermo Sensor	3,000	
Frequency Meter	10,000	
Generator	2,000	
Load Controller	6,000	
Relay, Monitor D.C. Essential Bus	6,000	
Relay, Monitor Pilot Essential Bus	6,000	
Relay, Monitor Pilot Non-Essential Bus	6,000	
Relay, Phase Sequence	6,000	
Relay, Power Failure - Instrument Essential Bus	6,000	
Relay, Reverse Current	6,000	
Relay, Transfer - 28 V. Lighting	6,000	
Static Exciter	6,000	
Switch Load Limit	1,000	
Transformer/Rectifier	6,000	
Voltmeter, A.C.	10,000	
Voltmeter, D.C.	10,000	
Watt, VAR meter	10,000	
Equipment & Furnishings, Chapter 25	12,500	
Evacuation Slides	6 mos.	
Fire Protection, Chapter 26	12,500	
Agent Container & Cartridge Assembly	*	
Check Valve, Two Way	5 years	
Control Box, Fire & Overheat Warning	6,000	
Control Unit, Magnetic Amplifier	6,000	
Flasher, Overheat Warning	6,000	
Plug, Safety	5 years	
Power Relay Box	6,000	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	12,500
Actuator, Servo Rudder	10,000
Bata Box	6,000
Cylinder, Inboard Spoiler	10,000
Cylinder, Outboard Spoiler	10,000
Cylinder, Rudder	10,000
Cylinder, Rudder Stop	10,000
Dampeners, Flutter, Control Surfaces	5,000
Dampeners, Flutter, Flight Tabs	5,000
Dampeners, Gust	6,000
Indicators, Flap Position	10,000

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-880

	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27 (continued)		
Indicators, Stabilizer Position	10,000	
Motor, Electric, Stabilizer Emergency Trim	10,000	
Motor, Electric, Stabilizer Drive	3,000	
Motor, Hydraulic, Stabilizer Trim	10,000	
"Q" - Pat - Rudder Boost Control	6,000	
Relay, Flap Asymmetry Control	10,000	
Relay, Stabilizer, Electric Drive Control	10,000	
Switch, Flap Asymmetry	6,000	
Transmitter, Flap Position	10,000	
Transmitter, Stabilizer Position	10,000	
Valve, Inboard Spoiler	10,000	
Valve, Outboard Spoiler	10,000	
Valve, Rudder and Stabilizer, Check	10,000	
Fuel System, Chapter 28	12,500	
Pump, Booster and Transfer	10,000	
Valve, Firewall Fuel Shutoff	10,000	
Valve, Vent 1.50 Inch	10,000	
Valve, Vent 2.00 Inch (w/o pressure		

relief)	10,000
Valve, Vent 2.00 Inch (with pressure relief)	10,000
Hydraulic System, Chapter 29	12,500
Accumulator, Main	8,000
Accumulator, Main Landing Gear	8,000
Accumulator, Pump Supply Line	8,000
Filter, High Pressure	7,500
Filter, High Pressure (Purolator)	7,500
Filter, Low Pressure	7,500
Hydraulic Boost Pump and Motor	3,000
Hydraulic Pump, Engine Driven V.D.	2,000
Pump, Electric Auxiliary	7,500

Transmitter, Pressure	6,000
Valve, Firewall Shutoff	6,000

Ice and Rain Protection, Chapter 30	12,500
Valve, Engine Inlet Duct Lip Anti-Ice Pressure Regulator	3,000
Valve, Leading Edge Anti-Ice Pressure Regulator and Shutoff	3,000
Valve, Radome De-Ice Pressure Regulator	3,000
Valve, Radome De-Ice Suction Relief	3,000
Valve, Engine Bleed Air Press. Reg. Shutoff	E.O.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-880

	Overhaul Period	Inspection & Check Period
Ice & Rain Protection, Chapter 30 (continued)		
Valve, Windshield Rain Rem. Shutoff and Isolation	6,000	
Switch, Anti-Ice Pressure	3,500	
Instrument, Chapter 31	12,500	
May be determined by assigned inspector.		

Landing Gear, Chapter 32	12,500
Tire, Main	OC
Tire, Nose	OC
Transmission Mechanism (Anti-skid)	7,500
Wheel Assembly, Nose and Main	OC

Lights, Chapter 33	12,500
May be determined by assigned inspector.	

Navigation, Chapter 34	12,500
May be determined by assigned inspector.	

Oxygen System, Chapter 35	12,500
Cylinders, Oxygen (Supply)	*
Cylinders, Oxygen, Portable and Equipment	*
Masks, Crew	7,500
Regulators, Demand, Oxygen Diluter	7,500
Reducer, Oxygen Pressure	6,000
Valve, Auto Opening and Continuous Flow Regulator	6,000
Valve, Oxygen Cylinder	5 years

Pneumatic System, Chapter 36	12,500
Air Flask, Emergency Brakes	*

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-880

	Overhaul Period	Inspection & Check Period
Powerplant General, Chapter 71	E.O.	
Engine, Chapter 72		
Compressor Section	2,500*	
Turbine Section	1,700*	

\* Sample one turbine section at 1500 hours, one compressor

section at 2000 hours and one  
compressor section at 2300  
hours.

Engine Fuel & Control, Chapter 73	O.C.
Fuel Control Unit	E.O.
Fuel Flow Indicator	3,000

Fuel Flow Transmitter	E.O.
Fuel Heater	E.O.
Fuel Pressure Switch	E.O.
Fuel Pump	E.O.

Engine Ignition, Chapter 74	O.C.
Igniter Plugs	E.O.

Engine Air, Chapter 75	O.C.
Anti-Icing Valve	E.O.
Aspirator & Shutoff	E.O.
Vortex Destroyer	E.O.

Engine Controls, Chapter 76	O.C.
Engine Control Cables	E.O.
Engine Torque Boxes	E.O.
Teleflex Cable Conduit	E.O.

Engine Indicating, Chapter 77	O.C.
Amplifier, AVM	5,000
Detectors, AVM	5,000
Generator, Tachometer	E.O.
Indicator, AVM	6,000
Indicator, Exhaust Gas Temperature	8,000
Indicator, Pressure Ratio	6,000
Indicator, Tachometer	7,500
Thermocouples and Harness	O.C.
Transmitter, Pressure Ratio	2,000

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-880

	Overhaul Period	Inspection & Check Period
Exhaust System, Chapter 78	O.C.	
Sound Suppressor	E.O.	
Thrust Reverser	E.O.	
Thrust Reverser Actuator	E.O.	

Thrust Reverser Hydraulic Pump	E.O.
Thrust Reverser Control Valve	E.O.
Thrust Reverser Pilot Valve	E.O.

Oil System, Chapter 79	O.C.
Indicator, Engine Oil Pressure	10,000
Indicator, Engine Oil Quantity	12,500
Indicator, Engine Oil Temperature	10,000
Oil Tank	E.O.
Transmitter, Engine Oil Pressure	7,500
Switch, Engine Oil Pressure	12,500
Engine Starting, Chapter 80	O.C.
Air Turbine Engine Starter	E.O.
Starter Pressure Regulating Valve	E.O.

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-880

Structural Inspection Program

The aircraft structure is divided into zones and a detailed inspection time limitation is listed for each zone. The inspection of the zone shall include all areas of structure, components, and appliances unless a specific time limitation is listed for a particular item. Sample items are identified with the suffix "S" and will be accomplished on 1/5 of the fleet.

D Check - 225 hours

	Zone	Overhaul Period	Inspection & Check Period
Doors, Chapter 52		12,500	
Nose Wheel Well Access			
Door #1	2	1,000	
Access Doors #12, 13, & 14, Air Compressor, Heat Exchanger, and Cabin Refrigeration	3 & 4	1,000	
Access Door #20, Aft Section, Fuselage Sta. 1400 L.H.	7	1,000	
Access Door #21, Aft Section, Fuselage Sta. 1538	8	2,500	
Access Door #3, Electrical, 10	10	2,500 S	

L.H. & R.H. Fuselage		
Sta. 221		
Access Door #4, Electronic	11	2,500 S
Compartment, Fuselage		
Sta. 289		
Door #9, Forward Cargo	12	2,500 S
Access Door #16, Hydraulic	15	2,500 S
Compartment, Fuselage		
Sta. 970		
Door #17, Aft Cargo	16	2,500 S
Door #6, L.H. Forward Main	21	2,500 S
Entrance		
Door #7, R.H. Forward	21	2,500 S
Service		
Door #18, L.H. Aft Main	23	2,500 S
Entrance		
Door #19, R.H. Aft Service	23	2,500 S
Fuselage, Chapter 53		
		12,500
Radome, Nose Sta. 100 to	1	2,500
152		
Nose Wheel Well, Sta. 152	2	2,500
to 250		
Air Conditioning	3 & 4	2,500
Compartment (Plenum		
Chamber)		
Tail Section, Sta. 1374	7 & 8	2,500 S
to 1590		
Nose Section, Sta. 152 to	10	2,500 S
250		

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-880

	Zone	Overhaul Period	Inspection & Check Period
Fuselage, Chapter 53			
(continued)			
Electronic - Electrical	11	2,500 S	
Compartment, Sta. 250			
to 375			
Forward Baggage	12	2,500 S	

Compartment, Sta. 375 to 603			
Water & Misc. Compartment, Sta. 603 to 640	13	2,500 S	
Overwing Compartment	14	2,500 S	
Hydraulic Compartment, Sta. 926 to 1002	15	2,500 S	
Aft Baggage Compartment, Sta. 1002 to 1239	16	2,500 S	
Aft Fuselage - Below Floor, Sta. 1230 to 1374	17	2,500 S	
Cockpit, Sta. 187 to 301	20	2,500 S	
Entrance and Service - Forward	21	2,500 S	
Fuselage - Passenger, Sta. 403 to 1263	22	2,500 S	
Entrance and Service - Rear	23	2,500 S	
Lavatory and Pressure Dome, Sta. 1325 to 1374	24	2,500 S	
Nacelles, Chapter 54		12,500	
Nacelle, #1 Engine	81		D
Nacelle, #2 Engine	82		D
Nacelle, #3 Engine	83		D
Nacelle, #4 Engine	84		D
Pylon, #1 Engine	85	2,500 S	
Pylon, #2 Engine	86	2,500 S	
Pylon, #3 Engine	87	2,500 S	
Pylon, #4 Engine	88	2,500 S	
Stabilizers, Chapter 55		12,500	
Horizontal Stabilizer, Outboard L.H. & R.H.	60 & 65	2,500 S	
Horizontal Stabilizer, Interspar L.H. & R.H.	62 & 63	2,500 S	
Elevator and Tabs	61 & 64	2,500 S	
Vertical Stabilizer including Dorsal Fin and Tip	70 & 71	2,500 S	
Rudder and Tabs	72	2,500 S	

Effective date \_\_\_\_\_

AIRCRAFT MAINTENANCE  
CONVAIR CV-880

	Zone	Overhaul Period	Inspection & Check Period
Windows, Chapter 56		12,500	
Cockpit - Enclosure Glass	20	2,500 S	
Cabin Windows, Emergency Exit	22	2,500 S	
Wings, Chapter 57		12,500	
Wheel Well, Main L.H. & R.H.	5 & 6	2,500 S	
Wing Fillet, Fuselage	9 L & R	2,500 S	
Wing, #1 Aux. Fuel Tank, L.H.	30	2,500 S	
Wing, #4 Aux. Fuel Tank, R.H.	38	2,500 S	
Wing, #1 Main Fuel Tank, L.H.	31	2,500 S	
Wing, #4 Main Fuel Tank, R.H.	37	2,500 S	
Wing, #2 Aux. Fuel Tank, L.H.	32	2,500 S	
Wing, #3 Aux. Fuel Tank, R.H.	36	2,500 S	
Wing, #2 Main Fuel Tank, L.H.	33	2,500 S	
Wing, #3 Main Fuel Tank, R.H.	35	2,500 S	
Wing, Center Tie Box	34	3,000	
Wing Tip, L.H. & R.H.	40 & 47	2,500 S	
Wing Leading Edge, Outboard L.H.	41	2,500 S	
Wing Leading Edge, Outboard R.H.	46	2,500 S	
Wing Leading Edge, Center L.H.	42	2,500 S	
Wing Leading Edge, Center R.H.	45	2,500 S	
Wing Leading Edge, Inboard L.H. & R.H.	43 & 44	2,500 S	
Wing Trailing Edge, L.H. & R.H.	50 & 57	2,500 S	
Flap & Spoiler, Outboard L.H. & R.H.	51 & 56	2,500 S	
Wing, Aileron Area, L.H. & R.H.	52 & 55	2,500 S	
Flap & Spoiler, Inboard L.H. & R.H.	53 & 54	2,500 S	

Effective date \_\_\_\_\_

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MAINTENANCE ZONES - CONVAIR 880 - 22-99001  
[FIGURE NOT INCLUDED]

NOTES:

1. WING TO  
FUSELAGE  
FAIRING OMITTED  
FOR CLARITY.
2. C.S.S. MEANS  
CENTER SPAR  
STATION.
3. F.S. MEANS  
FUSELAGE  
STATION.
4. W.S. MEANS WING  
STATION.

UN-PRESSURIZED FUSELAGE AREAS

1. RADOME
2. NOSE WHEEL WELL & GEAR
3. AIR-COND (LH)
4. AIR-COND (RH)
5. WHEEL WELL - LH & GEAR
6. WHEEL WELL - RH & GEAR
7. TAIL SECTION - FUSELAGE
8. TAIL CONE

BELOW FLOOR COMPT'S

10. NOSE SECTION
11. ELECTRONIC - ELECTRICAL
12. BAGGAGE - FWD
13. WATER
14. OVER WING
15. HYDRAULICS
16. BAGGAGE - REAR
17. AFT FUSELAGE - BELOW FLOOR

ABOVE FLOOR COMPT.

20. COCKPIT
21. ENTRANCE & SERVICE - FWD
22. FUSELAGE - PASSENGER
23. ENTRANCE & SERVICE - REAR
24. LAVATORY & PRESS DOME
25. FAIRING - ANTENNA - TOP

FUEL TANKS

30. WING - NO 1 AUX FUEL TANK  
- LH
31. WING - NO 1 MAIN FUEL TANK  
- LH
32. WING - NO 2 AUX FUEL TANK  
- LH
33. WING - NO 2 MAIN FUEL TANK  
- LH
34. WING - FUEL TANK - CENTER  
SECTION
35. WING - NO 3 MAIN FUEL TANK

WINGS - L.E. & TIPS

40. WING TIP - LH
41. LEAD EDGE - OUTBD - LH
42. LEAD EDGE - CENTER - LH
43. LEAD EDGE - INB'D - LH
44. LEAD EDGE - INB'D - RH

- RH
36. WING - NO 3 AUX FUEL TANK  
- RH
37. WING - NO 4 MAIN FUEL TANK  
- RH
38. WING - NO 4 AUX FUEL TANK

- |                                   |                                |
|-----------------------------------|--------------------------------|
| 45. LEAD EDGE - CENTER - RH       | - RH                           |
| 46. LEAD EDGE - OUTBD - RH        |                                |
| 47. WING TIP - RH                 | HORIZONTAL STABILIZER          |
| WINGS - TRAILING EDGE & REAR SPAR | 60. HORIZ STAB - OUTBD - LH    |
| 50. WING - TRAILING EDGE - LH     | 61. ELEV. TABS & BAL BD'S - LH |
| 51. WING - FLAP & SPOILER - OUTBD | 62. HORIZ STAB - INBD - LH     |
| - LH                              | 63. HORIZ STAB - INBD - RH     |
| 52. WING - AILERON & BAL BD - LH  | 64. ELEV. TABS & BAL BD'S - RH |
| 53. WING - FLAP & SPOILER - INBD  | 65. HORIZ STAB - OUTBD - RH    |
| - LH                              |                                |
| 54. WING - FLAP & SPOILER - INBD  | VERTICAL STABILIZER            |
| - RH                              | 70. VERT STAB                  |
| 55. WING - AILERON & BAL BD - RH  | 71. VERT STAB - INSUL STRIP &  |
| 56. WING - FLAP & SPOILER - OUTBD | CAP                            |
| - RH                              | 72. RUDDER, BAL BD'S & TABS    |
| 57. WING - TRAILING EDGE - RH     | PODS & PYLONS                  |
|                                   | 81. ENGINE #1 POD              |
|                                   | 82. ENGINE #2 POD              |
|                                   | 83. ENGINE #3 POD              |
|                                   | 84. ENGINE #4 POD              |
|                                   | 85. ENGINE #1 PYLON            |
|                                   | 86. ENGINE #2 PYLON            |
|                                   | 87. ENGINE #3 PYLON            |
|                                   | 88. ENGINE #4 PYLON            |

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FIGURE 25. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- FAIRCHILD F-27

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved.  
Budget Bureau  
No. 04-R075.

OPERATIONS SPECIFICATIONS

PART D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

FAIRCHILD F-27

	Overhaul Period	Inspection & Check Period
Air Conditioning System, Chapter 21	12,000	
Altimeter, Dual Pressure	3,000	
Air Cycle Machine	3,000	
Blower, Cabin (Roots)	2,200	

Circuit - Cabin Temperature Sensing	3,000
Controller, Cabin Pressure	5,000
Controller, Cabin Rate	5,000
Controller, Cabin Temperature	5,000
Delivery Silencer	10,000
Fan, Combustion	2,000
Heater System	3,000
Indicator, Cabin Blower Pressure	7,500
Recirculating Fan	1,000
Transmitter, Cabin Blower Pressure	6,000
Valve, ACM Turbine Bypass	2,000
Valve, Spill	3,000
Auto Pilot, Chapter 22	12,000
Controller, Altitude	2,000
Capstan, Primary Servo	2,000
Capstan, Trim Servo	2,000
Computer Coupler	2,000
Followup	2,000
Servo, Primary	2,000
Servo, Trim	2,000
Trim Indicator	4,000
Communications, Chapter 23	12,000
May be determined by the assigned inspector.	
Electrical Power, Chapter 24	12,000
Ammeter, D.C.	8,000
Battery	O.C.
Circuit Breakers	12,000
Control Panel A.C.	2,000
Control Relay D.C.	2,000
Control, D.C. Generator	1,000
Generator, D.C.	1,400
Generator, A.C. Brushless	2,000
Generator, Emergency A.C.	1,300
Inverter	1,800
Power Failure, A.C.	2,000

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAIRCHILD F-27

Electrical Power, Chapter 24	Overhaul Period	Inspection & Check Period
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(continued)

Relay, Main Contactor	1,000
Voltmeter, D.C.	7,000
Equipment and Furnishings, Chapter 25	12,000
Emergency Equipment	6 mos.
Fire Protection, Chapter 26	12,000
Control Box, Fire Detection	4,000
Cartridges, Discharge Valve	2 years
Cylinders (Water and CO2 Hand Extinguisher)	*
Cylinders (Engine)	*

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	12,000
Cables System	OC
Control Surface Assembly	12,000
Control Interior Structure	12,000
Control Exterior Covering	12,000
Control Stick Shaker	2,000
Flap Transmitter Position and Indicator	5,000
Flap Actuator	1,000
Lift Transducer	1,500
Stall Warning Indicator	1,500
Switch Asymmetry	12,000
Summing and Relay Unit	OC
Tension Regulator	10,000
Fuel System, Chapter 28	12,000
Indicator Fuel Quantity and Power	

Unit	12,000
Indicator Fuel Quantity Repeater	12,000
Pump, Fuel Boost	1,200
Switch, Differential Pressure	6,000
Switch, Pressure Fuel Warning	6,000
Tank Unit, 13.41" Fuel Quantity	12,000
Tank Unit, 20.00" Fuel Quantity	12,000
Tank Unit, 16.25	12,000
Valve, Hot Air Gate	3,000
Valves, Electrical and Manual	12,000

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAIRCHILD F-27

	Overhaul Period	Inspection & Check Period
Ice and Rain Protection, Chapter 30	12,000	
Ammeter, Deicing	8,000	
Control Windshield Temperature	3,000	
Control Panel A.C.	3,000	
Deicer Fixed Installation and Lines	12,000	
Deicer Boots	O.C.	
Deicing Cycling Timer	O.C.	
Ejector, Deicer Boot Assembly	5,000	
Gauge, Deicing Suction	5,000	
Gauge, Deicing Pressure	5,000	
Voltmeter A.C.	7,000	
Valve Suction Relief	2,000	
Windshield Wiper Assembly	O.C.	
Instruments, Chapter 31	12,000	
May be determined by the assigned inspector.		
Landing Gear, Chapter 32	10,000	
Nose Landing Gear Assembly	10,000	
Attach Points	10,000	
Under Carriage Main Gear	10,000	
Drag Strut Main Gear	10,000	
Lock Strut Main Gear	10,000	
Brake Assembly	O.C.	
Anti-skid Device	750	
Cable Nose Gear Retract	O.C.	
Nose Gear Fork	10,000	
Nose Gear Strut	10,000	
Indicator, Landing Gear Position	10,000	
Nose and Main Wheels	O.C.	
Main Gear Retract Strut	5,000	
Uplock Main Gear	5,000	
Nose Gear Actuator	2,000	
Nose Gear Uplock	2,000	
Nose Gear Steering Actuator	1,500	
Valve Steering Shutoff	3,000	
Valve Steering Followup	1,500	
Valves Pressure Reducing	2,500	
Valve, Selector Landing Gear	3,000	
Valve, Selector Solenoid Landing Gear	1,500	

Valve, Brake	1,500
Valve Brake Emergency	3,000

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAIRCHILD F-27

	Overhaul Period	Inspection & Check Period
Landing Gear, Chapter 32 (continued)		
Valve Rapid Exhaust	1,500	
Gearbox Nose Gear Steering	4,000	
Nose Gear Centering Cylinder	1,000	
Nose Gear Air Motor	2,500	
Actuator Main Gear Uplock	6,000	
Actuator Nose Gear Uplock	2,000	
Gauge, Brake Pressure	6,000	
Hydraulic Pressure Relief Valve	5,000	
Hydraulic Pressure Switch	5,000	
Hydraulic Solenoid Valve	5,200	
Hydraulic Pump and Motor	5,000	
Relay Hydraulic Steering	3,000	
Rectifier	OC	
Lights, Chapter 33	12,000	
May be determined by the assigned inspector.		
Navigation, Chapter 34	12,000	
May be determined by the assigned inspector.		
Oxygen, Chapter 35	12,000	
Oxygen Bottle	*	
Pneumatic System, Chapter 36	12,000	
Air Compressor	1,400	
Bottles	*	
Inspect for Corrosion	1 year	
Chemical Dryer Housing	4,300	
Gauge, Pneumatic Brake Pressure	5,000	
Gauge, Pneumatic Emergency Pressure	5,000	
Gauge, Primary Pressure	5,000	
Separator, Moisture	1,500	
Switch High Pressure Cutoff	1,500	
Unloader	1,500	

Valve Pressure Reduction (1000-100)	1,500
Valve Isolation	3,000
Valve Back Pressure	2,000
Valve Manual Discharge	3,000

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAIRCHILD F-27

	Overhaul Period	Inspection & Check Period
Doors, Chapter 52	12,000	
Doors, Pax and Cargo	6,000	
Emergency Exits	12,000	
Retract Cylinder Cabin Door	5,000	
Valve Pressure Reducing	3,000	
Fuselage, Chapter 53	12,000	
Attach Points	12,000	
Exterior Covering	12,000	
Interior Structure	12,000	
Nose Cap Attach Points	12,000	
Belly Interior Overhaul	6,000	
Belly Interior, Lavatory and Galley	3,600	
Nacelles, Chapter 54	12,000	
Interior Structure	12,000	
Exterior Covering	12,000	
Stabilizers, Chapter 55	12,000	
Dorsal Fin Structure	12,000	
Vertical Stabilizer and Installation	12,000	
Horizontal Stabilizer and Installation	12,000	
Windows, Chapter 56	12,000	
Windshield Assembly and Installation	12,000	
Windows	12,000	
Wings, Chapter 57	12,000	

Outer Section	
Interior Structure	12,000
Exterior Covering	12,000
Control Hinge Points	12,000
Flap Track and Installation	12,000
Center Section	
Exterior Covering	12,000
Interior Structure	12,000
Fuselage Attach Points	12,000
Flap Tracks and Inst.	12,000
Cables, Pulleys and Fairleads	O.C.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAIRCHILD F-27

	Overhaul	Inspection &
	Period	Check Period
Propellers, Chapter 61		
Propeller	2,600	
Spinner	2,600	
Propeller Control Unit	4,100	
Feathering Pump	4,200	
Alternator Prop Control	1,500	
Corrector Motor	2,000	
Propeller Brake	1,000	
Propeller Controls and Installation	2,600	
Powerplant General, Chapter 71		
Engine Mount	3,000	
Magnaflux	6,000	
Cowling and Installation	3,000	
Engine, Chapter 72		
Air Intake Assembly	3,000	
Engine	3,000 *	
* Sample one hot section inspection at 2000 hours, one engine overhaul at 2400 hours and one engine overhaul at 2700 hours.		
Engine Fuel and Control, Chapter 73		
Fuel Control Unit	3,000	
Fuel Pump	3,000	
Fuel System (Nacelle Forward Firewall)	3,000	
Fuel Trimmer Actuator	3,000	

Indicator, Fuel Flow Dual	5,000
Indicator, Fuel Pressure Dual	8,000
Indicator, Fuel Trim	7,500
Transmitter Fuel Pressure	3,800
Transmitter Fuel Flow	1,900
Transmitter Fuel Trimmer Position	7,000

Engine Controls, Chapter 76	
Engine Controls and Installation	3,000
Cables, Pulleys and Fairleads	O.C.
Controls (Nacelle Aft Firewall)	12,000
Pedestal (cockpit)	12,000

Engine Indicating, Chapter 77	
Generator Tachometer	5,000
Indicator Tachometer	5,000

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAIRCHILD F-27

	Overhaul Period	Inspection & Check Period
Engine Indicating, Chapter 77 continued		
Indicator, Tail Pipe Temperature	7,500	
Indicator, Torque Pressure	7,500	
Transmitter Torque Pressure	3,000	
Exhaust, Chapter 78		
Exhaust Tail Pipe	3,000	
Oil System, Chapter 79		
Oil Radiator and Installation	3,000	
Indicator Oil Pressure Dual	7,500	
Indicator Oil Temperature Dual	5,000	
Switch Oil Pressure Warning	7,000	
Transmitter Oil Pressure	7,000	
Starting, Chapter 80		
Ignition Harness Assembly	3,000	
Igniter	3,000	
Starter	3,000	
Starter Relay	1,500	
Water Injection, Chapter 82		

W/M Tank and Installation	6,000
W/M Control Unit	3,000
W/M System (Nacelle Aft Firewall)	6,000
W/M Pump	3,000
W/M Filter	600
W/M Pressure Warning Switch	6,000
W/M Tank Indicator	5,000
W/M Valves Electrical and Manual	12,000
Accessory Gearbox, Chapter 83	
Gearbox	2,200
Drive Shaft	1,400

Effective date \_\_\_\_\_

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FIGURE 26. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- CONVAIR CV-990

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved.  
Budget Bureau  
No. 04-R075.

OPERATIONS SPECIFICATIONS

PART D

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AIRCRAFT MAINTENANCE  
CONVAIR CV-990

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	12,500	
Controller, Cabin Pressure	6,000	
Condenser, Conditioned Air Modulating	5,000	
Fan, Electronic Equipment Cooling	6,000	
Fan, Freon Pack Condensor	6,000	
Fan, Recirculating	6,000	
Indicator, Cabin Compartment Air Flow	10,000	
Indicator, Cabin Temperature	10,000	
Indicator, Turbo Compressor Bearing Temperature	10,000	
Indicator, Turbo Compressor RPM	10,000	
Heater, Electric Flight Deck Air	6,000	
Heater, Cabin Air	6,000	
Pack, Freon Refrigeration	5,000	

Sensor, Conditioned Air Temperature	5,000
Turbo Compressor	3,000
Valve, Air Turbine Drive-Shutoff	5,000
Valve, Condenser Air Ground Shutoff	10,000
Valve, Outflow Cabin Pressure	3,000
Valve, Ram Air Shutoff	10,000

Auto Pilot, Chapter 22	12,500
Accelerometer - Linear, Horizontal and Vertical	5,000
Amplifier, Servo Auto Pilot	5,000
Computer, Automatic Cutoff	5,000
Computer, Yaw Command	5,000

Computer, Pitch Command	5,000
Computer, Roll Command	5,000
Computer, Pressure	5,000
Controller, Auto Pilot	5,000
Coupler, Trim	5,000
Drum-Servo Bracket	6,000
Indicator, Trim	5,000
Rack Assy., Gain Calibrator & Relay	5,000
Rack, Stabilization Computer	5,000
Relay, Trim Valve Solenoid Control & Cockpit	5,000
Servo & Drive - Aileron & Rudder	6,000
Servo & Drive - Elevator	6,000

Communications, Chapter 23	12,500
May be determined by the assigned inspector.	

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR DC-990

	Overhaul Period	Inspection & Check Period
Electrical Power, Chapter 24	12,500	
Ammeters, A.C. & D.C.	10,000	
Battery	OC	
Constant Speed Drive	1,500	
Contactor, External Power	10,000	
Contactor, Line and Bus Tie	6,000	
Contactor, Load Reduction	6,000	
Controller, C.S.D. Load	10,000	

Frequency Meter	10,000
Generator	2,000
Panel, Control	6,000
Panel, Sync, Bus Protector	6,000
Relay, A.C. Monitor, Pilot's Essential Bus	6,000
Relay, A.C. 28 v. Lighting Transfer	6,000
Relay, Essential D.C. Bus Connector	6,000
Relay, Phase Sequence	6,000
Relay, Power Failure Detector	6,000

Relay, Reverse Current	6,000
Relay, Tie Control	6,000
Relay, Tow Power Contactor Transfer	6,000
Relay, 28 v D.C. Battery	6,000
Static Exciter	6,000
Transformer - Rectifier - Battery Charger	6,000
Voltmeters, A.C. & D.C.	10,000
Wattmeter, A.C.	10,000

Equipment and Furnishings, Chapter 25	12,500
Evacuation Slides	6 Mos.

Fire Protection, Chapter 26	12,500
Agent Container & Actuator Assy. Cartridge	* 3 years replace
Control Box, Fire & Overheat Warning Alarm Bell	5,000
Fire Extinguisher - Hand (CO2)	*
Fire Extinguisher - Hand (Water)	5 years
Valve, Three Way	10,000

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	12,500
Actuator, Flap Control - Inboard & Outboard	12,500
Actuator, Horizontal Stabilizer Trim	10,000
Actuator, Inboard and Outboard Spoiler Deactivation	8,000
Actuator, Leading Edge Flap	10,000
Actuator, Outboard Spoiler	6,000

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AIRCRAFT MAINTENANCE  
CONVAIR CV-990

	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27		
(continued)		
Amplifier, Speed Stability Augmentation	5,000	
Computer, Mach. Sensor and Transmitter	5,000	
Control Package, Rudder Linkage	10,000	
Control Unit - Horizontal Stabilizer Trim	10,000	
Cylinder, Inboard Spoiler	10,000	
Cylinder, Rudder Power	5,000	
Cylinder, Rudder Tab Locking	10,000	
Damper, Aileron Flutter	5,000	
Damper, Aileron Flight Tab Flutter	5,000	
Damper, Aileron Gust	10,000	
Damper, Elevator Gust	10,000	
Damper, Elevator Flutter	5,000	
Damper, Elevator Flight Tab Flutter	5,000	
Elevator Crossover Tube (Fwd)	12,500	
Flap Asymmetry Unit	8,000	
Jack, Rudder Trim Tab	10,000	
Jack, Rudder Flight Trim Tab	10,000	
Indicator, Flap Position	10,000	
Indicator, Longitudinal Trim Position	10,000	
Motor, Electric, Stabilizer Emer. Trim	10,000	
Motor, Flap Main Drive Gearbox	12,500	
Power Supply - Speed Stability Augmentation	5,000	
Quadrant, Irreversible Aileron Spoiler Control	12,500	
"Q" Cylinder Rudder Feel	12,500	
Restrictors - Leading Edge Flap	12,500	
Spoiler Mixer Installation	12,500	
Switch, Leading Edge Flap Pressure	5,000	
Swivels, Leading Edge Flap Actuator Flex Line	10,000	
Switch, Rudder Hydraulic Pressure	10,000	
Switch, Trim Rate Limit	5,000	
Solenoid, Flap Position	5,000	
Solenoid, Trim Rate Limit	5,000	
Spring, Horizontal Stabilizer Trim Control Centering	10,000	
T Box Assembly - Inboard & Outboard		

Flap	12,500
Valve, Flap Control Servo	12,500
Valve, Flap Control Check	12,500
Valve, Flap Phase Shutoff	12,500

Valve, Inboard & Outboard Spoiler Servo	12,500
Valve, Leading Edge Flap Control	12,500
Valve, Power Rudder Servo	10,000
Valve, Rudder Power Limiting Relief	10,000
Valve, Rudder Shutoff	5,000

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AIRCRAFT MAINTENANCE  
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	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27 (continued)		
Valve, Rudder Emergency & Auto Pilot Shutoff	10,000	
Valve, Stabilizer Hydraulic Emergency & A/P Shutoff	10,000	
Valve, Stabilizer Trim Control	5,000	
Fuel System, Chapter 28	12,500	
Hose, Fire Resistant Flexible	5,000	
Impellor Assy., Pump, Hyd., Boost and Jettison	10,000	
Indicator, Fuel Quantity	10,000	
Indicator, Fuel Temperature	10,000	
Manifold, Center Section Refuel	12,500	
Motor, Hyd., Pump, Boost and Jettison	2,500	
Pump, Electric, Boost & Transfer	10,000	
Valve, Fuel Boost Control	5,000	
Valve, Motor Actuated Crossfeed Gate	5,000	
Valve, Motor Actuated Shutoff Emergency	10,000	
Valve, Shutoff Fuel Jettison	5,000	
Valve, Fuel Boost Control	5,000	
Pump, Wing Tank Jettison	10,000	
Hydraulic System, Chapter 29	12,500	
Accumulator, Main	8,000	
Filter, Hydraulic Pump Case Drain		

Line	8,000
Filter, Low Pressure, Pump Supply Line	8,000
Filter, Main System High Pressure	8,000
Indicator, Hydraulic Pressure	10,000
Pump, Engine Driven Hydraulic	1,500
Transmitter, Hydraulic Pressure	8,000
Valve, Check Relief	10,000
Valve, Hydraulic Firewall Shutoff	10,000
Valve, 125 psi Hydraulic Check	5,000
Pump, Hydraulic Inlet Booster Motor	7,500
Ice and Rain Protection, Chapter 30	12,500
Actuator, Pneumatic Rain Clearing	6,000
Ammeter, Empennage De-Ice	10,000
Controller, Defog, Sliding Window A/1	8,000
Controller, Empennage De-Ice	8,000
Controller, Temperature & De-Fog, Pilot's Aft Window W/1	8,000
Control Box Assy., Bleed Air Duct Overheat Detector, Wing and Fuselage	5,000
Control Box, Center Windshield Anti-Ice	8,000
Control Box, Side Window Anti-Ice Temperature	8,000

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	Overhaul Period	Inspection & Check Period
Ice and Rain Protection, Chapter 30 (continued)		
Control Box, Structural Anti-Ice Overheat Warning	5,000	
Control Box, Structural Overheat Valve	6,000	
Control Box, Windshield Heat Temperature	8,000	
Detector, Ice Warning, Engine	6,000	

Valve, Anti-Icing Bleed Air Pressure Regulator	5,000
Valve, Rain Cleaning Actuator Solenoid	6,000
Valve, Relief, Pressure Differential	6,000
Valve, Windshield Rain Removal Shutoff	6,000
Instruments, Chapter 31	12,500
May be determined by the assigned inspector.	
Landing Gear, Chapter 32	12,500
Accumulator, Brake	10,000
Adjuster Assy., Hydraulic Brake, Nose and Main Gear	5,000
Bottle, Emergency Air Brake	*
Cylinder, MLG Positioner Assembly	3,000
Drive Assy., NLG Anti-Skid Detector	7,500
Indicator, Brake Pressure	10,000
Lever, Landing Gear Control	10,000
Solenoid, Lever Lock	5,000
Switch, MLG Extend Pressure	5,000
Tires, Nose and Main	OC
Transmitter, Brake Pressure	5,000
Valve, MLG Emergency Brake Selector	5,000
Wheel Assy., Nose and Main Gear	8 months
Lights, Chapter 33	12,500
May be determined by assigned inspector.	
Navigation, Chapter 34	12,500
May be determined by assigned inspector	
Oxygen System, Chapter 35	12,500
Cylinder, Oxygen (Supply)	*
Cylinder, Oxygen, Portable and Equipment	*
Masks, Crew	5,000
Masks, Oxygen (Crew Portable)	7,500
Regulator, Diluter Demand	6,000
Valve, Auto Opening & Continuous Flow Regulator	6,000
Valve, Oxygen Cylinder	5 years
Valve, Pressure Reducer	6,000

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of

CFR Title 49.

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AIRCRAFT MAINTENANCE  
CONVAIR CV-990

	Overhaul Period	Inspection & Check Period
Pneumatic, Chapter 36	12,500	
Indicator, Bleed Air Pressure	10,000	
Transmitter, Bleed Air Pressure	8,000	
Valve, Bleed Air Pressure Regulator Shutoff	6,000	
Water/Waste, Chapter 38	12,500	
Pump, Water System Air Compressor,	5,000	
Valve, Manual Pressure Release	5,000	
Valve, Water System Pressure Relief	6,000	
Valve, Aft Drain	5,000	
Valve, Remote Control (Fwd Drain)	5,000	
Valve, Check, Potable Water System	5,000	
Powerplant General, Chapter 71	O.C.	
Engine Mounts, Forward and Aft Links and Bolts	E.O.	
Engine, Chapter 72	O.C.	
Compressor Section	2,000 *	
Turbine Section	1,500 *	

\* Sample one turbine section at  
1200 hours, one compressor  
section at 1600 hours, and one  
compressor section at 1800  
hours.

Engine Fuel and Control, Chapter 73	O.C.	
Actuator, Inlet Guide Vanes	E.O.	
Control, Engine Fuel	E.O.	
Heater, Fuel	E.O.	
Indicator, Fuel Flow	5,000	
Pump, Engine Fuel	E.O.	
Sensor, Compressor Inlet		

Temperature	E.O.	
Switch, Fuel Pump Low Pressure		

Warning	12,000
Transmitter, Fuel Flow	5,000
Valve, Pressurization and Dump	E.O.
Ignition System, Chapter 74	O.C.
Cables	E.O.
Igniter Plugs	500
Igniter Unit	E.O.
Engine Air, Chapter 75	O.C.
Switch, Engine Anti-Icing Air Pressure	12,000
Valve, Bleed Air Pressure Regulator and Check	6,000
Valve, Engine Anti-Icing	E.O.
Valve, Engine Inlet Anti-Icing Pressure Regulator and Shutoff	3,000

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AIRCRAFT MAINTENANCE  
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	Overhaul Period	Inspection & Check Period
Engine Air, Chapter 75 (continued)		
Valve, Engine Anti-Icing	E.O.	
Valve, Shutoff, 1-Inch Bleed Air Ejector	E.O.	
Engine Controls, Chapter 76	O.C.	
Cable Tension Regulator	10,000	
Engine Torque Box	E.O.	
Pylon Torque Box	5,000	
QEC Cables and Conduits	E.O.	
Engine Indicating, Chapter 77	O.C.	
Amplifier, AVM	5,000	
Detectors, AVM	E.O.	
Generator, Engine Tachometer	E.O.	
Generator, Fan Tachometer	E.O.	
Indicator, AVM	10 months	
Indicator, Engine Pressure Ratio	8,000	
Indicator, Engine Tachometer	7,500	
Indicator, Exhaust Gas Temperature	5,000	
Indicator, Fan Tachometer	7,500	
Transducer, Engine Pressure Ratio	E.O.	

Exhaust System, Chapter 78	O.C.
Actuator and Linkage, Thrust Reverser	E.O.
Blocker Door Assy., Thrust Reverser	E.O.
Bucket Guard Assy., Thrust Reverser	E.O.
Interlock Valve, Thrust Reverser	E.O.
Latch Actuator, Thrust Reverser	E.O.
Metering Valve, Thrust Reverser	E.O.
Pump, Thrust Reverser	E.O.
Selector Valve, Thrust Reverser	E.O.
Oil System, Chapter 79	O.C.
Cooler, Main Oil and Constant Speed Drive	E.O.
Indicator, Engine Oil Temperature	10,000
Indicator, Engine Oil Pressure	10,000
Indicator, Oil Quantity	6,000
Oil Tank	E.O.
Tank Unit	10,000
Transmitter, Engine Oil Pressure	8,000
Switch, Low Pressure Warning	12,000
Engine Starting, Chapter 80	O.C.
Starter, Air Turbine	3,000
Valve, Starter Air Regulating and Shutoff	3,000

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
CONVAIR CV-990

Structural Inspection Program

The aircraft structure is divided into zones and a detailed inspection time limitation is listed for each zone. The inspection of the zone shall include all areas of structure,

components, and appliances unless a specific time limit is listed for a particular item. Sample items are identified with the suffix "S" and will be accomplished on 1/5 of the fleet.

	Zone	Overhaul Period	Inspection & Check Period
Doors, Chapter 52		12,500	
Electronics Access Door	12	2,500	S

Forward Baggage Door	13.1	2,500 S
Rear Baggage Door	15.1 & 15.2	2,500 S
Forward Entry Door	31.1	2,500 S
Forward Galley Door	34.1	2,500 S
Rear Entry Door	43.1	2,500 S
Rear Galley Door	44.1	2,500 S
Emergency Exit	36.1 & 37.1	2,500 S
Fuselage, Chapter 53		12,500
Radome	1	2,500 S
Under Wing Bay L.H. & R.H. FS 670-870	3 & 4	5,000
MLG Well, Inboard Sect. FS 87-964	5.1 & 6.1	12,500
MLG Well, Outboard Sect.	5.2 & 6.2	5,000
Under Floor, Nose Sect. FS 187-250	11	2,500 S
Electronic & Electrical Compartment FS 250-375	12	2,500 S
Forward Baggage Compartment FS 375-622	13	2,500 S
Air Conditioning Compartment FS 622-678	14	2,500 S
Rear Baggage Compartment FS 1040-1344	15	2,500 S
Under Floor, Aft Sect. FS 1344-1487	16	2,500 S
Flight Deck & Fwd. of Inst. Panel FS 152-301	20 thru 25	2,500 S
Control Pedestal	22	2,500 S
Flight Engineers Station R.H. FS 250-301	24	2,500 S
Fuselage, Cabin FS 301-1437	31 thru 48	2,500 S
Forward Entry Area FS 301-375	31	2,500 S
Lavatory "A" FS 301-341	32	2,500 S
Lavatory "B" FS 341-384	33	2,500 S

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	Zone	Overhaul Period	Inspection & Check Period
Fuselage, Chapter 53 (continued)			
Forward Galley Area FS 384-482	34	2,500 S	
Forward Cabin Area L.H. FS 362-482	35	2,500 S	
Forward Cabin Area R.H. FS 482-964	36	2,500 S	
Forward Cabin Area L.H. FS 482-964	37	2,500 S	
Floor and Seat Tracks		5,000	
Overwing Area Below Floor FS 678-964	39	2,500 S	
Aft Cabin Area L.H. FS 964-1344	41	2,500 S	
Aft Cabin Area R.H. FS 964-1325	42	2,500 S	
Rear Entry Area FS 1344-1422	43	2,500 S	
Rear Galley Area FS 1325-1422	44	2,500 S	
Lavatory "C" & "D" FS 1422-1487	47 & 48	2,500 S	
Aft Fuselage FS 1487-1640	51	2,500 S	
Tail Cone FS 1640-1717	55	2,500 S	
Nacelles/Pylons, Chapter 54		12,500	
Pylon, #1 Engine	75	5,000	
Pylon, #2 Engine	76	5,000	
Pylon, #3 Engine	77	5,000	
Pylon, #4 Engine	78	5,000	
Stabilizers, Chapter 55		12,500	
Trailing Edge, Horizontal Stabilizer	52.0 & 53.0	2,500	
Trailing Edge, Horizontal Stabilizer	52.1 & 53.1	2,500	
Trailing Edge, Horizontal Stabilizer	52.2 & 53.2	2,500	
Trailing Edge, Horizontal Stabilizer	52.3 & 53.3	5,000	
Trailing Edge, Horizontal Stabilizer	52.4 & 53.4	2,500	
Trailing Edge, Horizontal Stabilizer	52.5 & 53.5	2,500	
Tip, Horizontal Stabilizer	52.6 & 53.6	2,500 S	
Torque Box, Center to Rear Spar	52.7 & 53.7	1,000	

Torque Box, Center to Rear Spar	52.8 & 53.8	2,500 S
Torque Box, Center to Rear Spar	52.9 & 53.9	1,000
Torque Box, Center to Rear Spar	52.10 & 53.10	2,500 S
Torque Box, Front to Center Spar	52.11 & 53.11	5,000
Torque Box, Front to Center Spar	52.12 & 53.12	2,500 S
Torque Box, Front to Center Spar	52.13 & 53.13	2,500 S
Torque Box, Front to Center Spar	52.14 & 53.14	2,500 S
Leading Edge Stub	52.15 & 53.15	2,500
Leading Edge, Horizontal Stabilizer	52.16 & 53.16	2,500
Elevator and Tabs	56.1 & 57.1	2,500 S
Torque Box, Vertical Fin	54.1	5,000
Torque Box, Vertical Fin, Center to Rear Spar	54.2	2,500 S

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AIRCRAFT MAINTENANCE  
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	Zone	Overhaul Period	Inspection & Check Period
Stabilizers, Chapter 55 (continued)			
Torque Box, Vertical Fin, Center to Rear Spar	54.3	2,500	
Torque Box, Vertical Fin, Front to Rear Spar	54.4	2,500 S	
Torque Box, Vertical Fin, Front to Rear Spar	54.5	2,500 S	
Torque Box, Vertical Fin, Front to Rear Spar	54.6	2,500 S	
Trailing Edge, Vertical Fin	54.7	5,000	
Trailing Edge, Vertical Fin	54.8	1,000	
Trailing Edge, Vertical Fin	54.9	5,000	
Trailing Edge, Vertical Fin	54.10	1,000	
Trailing Edge, Vertical Fin	54.11	5,000	
Trailing Edge, Vertical Fin	54.12	1,000	
Trailing Edge, Vertical Fin	54.13	5,000	

Trailing Edge, Vertical Fin	54.14	1,000
Trailing Edge, Vertical Fin	54.15	5,000
Trailing Edge, Vertical Fin	54.16	1,000
Trailing Edge, Vertical Fin	54.17	5,000
Trailing Edge, Vertical Fin	54.18	1,000
Trailing Edge, Vertical Fin	54.19	1,000
Dorsal - Vertical Fin	54.20	5,000
Leading Edge, Vertical Fin	54.21	2,500
Tip, Vertical Fin	54.22	2,500 S
Rudder and Tabs	58.1	2,500 S
Remove and Inspect Vertical Stabilizer Attach Bolts		5,000

Windows, Chapter 56		
Cockpit Sliding Windows Mechanism	21 & 23	2,500 S
Flight Deck Windshields	21, 22 & 23	1,000

Wings, Chapter 57		
Tip, Wing	61 & 68	2,500 S
Leading Edge, Wing, Outboard	62.1 & 67.1	2,500 S
Leading Edge, Wing, Intermediate	63.1 & 66.1	2,500 S
Leading Edge, Wing, Inboard	64.2 & 65.2	2,500 S
Leading Edge, Wing, Stub	64.1 & 65.1	1,000
Flaps, Leading Edge	1 thru	2,500 S

8		
Fillet, Wing	69.1 & 69.2	2,500 S
Tank, #1 Main	81.1 thru 81.7	2,500 S
Tank, #2 Main	82.5 thru 82.8	2,500 S
Tank, #3 Main	83.5 thru 83.8	2,500 S

Effective date \_\_\_\_\_

AIRCRAFT MAINTENANCE  
CONVAIR CV-990

Zone	Overhaul Period	Inspection & Check Period
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Wings, Chapter 57  
 (continued)

Tank, #4 Main	84.1	2,500 S
	thru 84.7	
Tank, #1 Aux.	85.1	2,500 S
	thru 85.6	
Tank, #2 Aux.	82.1	2,500 S
	thru 82.4	
Tank, #3 Aux.	83.1	2,500 S
	thru 83.4	
Tank, #4 Aux.	89.1	2,500 S
	thru 89.6	
Fuel Cell, Wing Center Section	87	2,500 S
Trailing Edge, Wing, Outboard	91 & 98	2,500 S
Trailing Edge, Wing, Outboard	92.3 & 97.3	2,500 S
Trailing Edge, Wing, Outboard	92.4 & 97.4	1,000
Trailing Edge, Wing, Outboard	92.5 & 97.5	2,500
Trailing Edge, Wing, Outboard	92.6 & 97.6	1,000
Trailing Edge, Wing, Outboard	92.7 & 97.7	1,000
Trailing Edge, Wing, Outboard	92.8 & 97.8	1,000
Trailing Edge, Wing, Outboard	92.9 & 97.9	2,500
Trailing Edge, Wing, Intermediate	93.2 & 96.2	1,000
Trailing Edge, Wing, Intermediate	93.3 & 96.3	2,500
Trailing Edge, Wing, Intermediate	93.4 & 96.4	1,000
Trailing Edge, Wing, Intermediate	93.5 & 96.5	1,000
Trailing Edge, Wing, Intermediate	93.6 & 96.6	2,500
Trailing Edge, Wing, Intermediate	93.7 & 96.7	1,000
Trailing Edge, Wing Aileron Balance Bay	93.8 & 96.8	2,500
Trailing Edge, Wing Aileron Balance Bay	93.9 & 96.9	2,500
Trailing Edge, Wing Aileron Balance Bay	93.10 & 96.10	2,500
Trailing Edge, Wing, Inboard	94.3 & 95.3	1,000
Trailing Edge, Wing,	94.4 &	2,500

Inboard	95.4		
Trailing Edge, Wing,	94.5 &	1,000	
Inboard	95.5		
Trailing Edge, Wing,	94.6 &	1,000	
Inboard	95.6		
Trailing Edge, Wing,	94.7 &	2,500	
Inboard	95.7		
Trailing Edge, Wing,	94.8 &	1,000	
Inboard	95.8		
Flap, Outboard	92.1 &	2,500 S	
	97.1		
Flap, Inboard	94.1 &	2,500 S	
	95.1		
Spoiler, Outboard	92.2 &	2,500 S	
	97.2		
Spoiler, Inboard	94.2 &	2,500 S	
	95.2		
Aileron	93.1 &	2,500 S	
	96.1		
Anti-Shock Body, Outboard	100 &	2,500 S	
	103		
Anti-Shock Body, Inboard	101 &	2,500 S	
	102		

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 FIGURE 27. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - JET COMMANDER 1121

UNITED STATES OF AMERICA  
 FEDERAL AVIATION AGENCY  
 WASHINGTON

Form Approved.  
 Budget Bureau  
 No. 04-R075.

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE - GENERAL  
 JET COMMANDER 1121

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Thorough checks shall be accomplished in accordance with the applicable procedures as listed in ABC Airlines' Maintenance Manual.

Preflight (P.F.) shall be accomplished each service calendar day. Inspection shall be in accordance with the applicable procedures listed in ABC Airlines' Maintenance Manual.

Station Check (S.C.) shall be accomplished at basic intervals of 90 hours time in service. Inspection shall be in accordance with applicable procedures listed in ABC Airlines' Maintenance Manual.

During initial operation, the basic intervals for station checks will be evaluated in the following manner:

Ten inspections at 75 hours.\*

Periodic Inspection (P.I.) shall be accomplished at intervals not to exceed 175 hours time in service. Inspection shall be in accordance with the applicable procedures listed in ABC Airlines' Maintenance Manual. During initial operation, the basic intervals for periodic inspections will be evaluated in the following manner:

Five inspections at 150 hours.\*

\* Note - Upon termination of the evaluation period, the assigned FAA maintenance and avionics inspectors will review the maintenance inspection findings and the operating history. If satisfactory, the carrier will be authorized to continue at the time established for the subsequent stage, i.e.,

Station Check - 90 hours  
Periodic Inspection - 175 hours

Overhaul times as listed in hours and years are maximum limits of whichever occurs first.

Aircraft shall not be utilized in air carrier or commercial operations unless:

- a. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in accordance with the schedule of maintenance and inspection functions and procedures set forth in the operator's maintenance manual.
- b. OC "On Condition" items will be maintained in continuous airworthiness condition by periodic and progressive inspections, checks, services, repair and/or preventive maintenance and are appropriately described in the operator's maintenance manual.
- c. Parts or sub-components, not listed below, will be checked, inspected and/or overhauled at the same time limits specified for the component or accessory to which such parts or sub-components are related.

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE - GENERAL  
JET COMMANDER 1121

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Abbreviations used in the Jet Commander maintenance specifications are defined as follows:

FC - Indicates "Functional Check"  
 BC - Indicates "Bench Check"  
 EO - Indicates "Engine Overhaul"  
 EC - Indicates "Engine Change"  
 OC - Indicates "On Condition"  
 R&R - Indicates "Remove and Replace" in accordance  
 with factory recommendations  
 HYD - Indicates "Hydrostatic Test"  
 C - Indicates "Calibration"

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS

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AIRCRAFT MAINTENANCE  
JET COMMANDER 1121

	OVERHAUL		INSPECTION AND CHECK PERIOD			
	HOURS	or YRS.	P.F	S.C.	P.I.	OTHER
Air-Conditioning, Chapter 21	10,000	5	X	X	X	
Controller-Cabin Pressure	5,000	2.5			X	
Indicator-Rate of Climb	4,000	2			X	C 2000/1yr
Indicator-Alt. & Diff. Pressure	4,000	2			X	C 2000/1yr
Turbine-Cooling Separator-Water	5,000	2.5			X	
Regulator- Absolute Pressure	OC				X	
Filter-Cabin Air	5,000	2.5			X	FC 4-PI
Valve-Bleed Air	OC	--			X	R&R 4-PI
Flow Control	4,000	2			X	
Valve-Bleed Air Shutoff	5,000	2.5			X	
Valve-Bleed Air Check	5,000	2.5				4-PI
Valve-Emer. Air Pressure Regulator Shutoff	5,000	2.5			X	FC 4-PI
Valve-Outflow	2,000	1			X	

Auto-Pilot, Chapter 22*	10,000	5	X	X	X	
Pedestal Controller	OC				X	BC/C 2,000
Computer Amplifier	OC				X	BC 1,000
Servos	2,000	2			X	
Trim Coupler	5,000	2.5			X	
Sensing Unit	2,000	2			X	
Rate Gyro	2,000	2			X	
Emergency Disconnect	5,000	2.5			X	
Altitude						

Controller	2,000	2			X	
Servo Mount	2,000	2			X	
Vertical Reference	2,000	2			X	

Communications,  
Chapter 23  
May be determined  
by assigned  
inspector.

\* Applies to  
Collins auto  
pilot.

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	OVERHAUL		INSPECTION AND CHECK PERIOD			
	HOURS	or YRS.	P.F.	S.C.	P.I.	OTHER
Electrical, Chapter 24	10,000	5	X	X	X	
Ammeter, AC	OC				X	C 2,000
Ammeter, DC	OC				X	C 2,000
Volt Meters AC/DC	OC					C 2,000
Battery N/C	OC		X	X	X	
DC Bus & Con- tactor Box	OC				X	F C 2,500
AC Control Panel	5,000	2.5			X	
DC Control Panel Regulator	5,000	2.5			X	
AC Converter Regulator	2,000	2			X	
Current Trans-						

formers	OC					X
AC Generator	EO					
DC Starter						
Generator	EO					

Equipment &  
Furnishings,  
Chapter 25  
May be determined  
by assigned

inspector.

Fire Protection, Chapter 26	10,000	5	X	X	X	
Containers	*			X	X	*
Detector Control	2,000	1			X	
Relay	OC				X	
Heat Sensing Units	OC					X

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	10,000	5	X	X	X	
Speed Brake & Control-						
Actuator	2,000	2.5	X	X	X	
Flap Controls-						
Actuator	2,000	2.5	X	X	X	
Gust Lock and Controls	OC		X	X	X	
Stabilizer-						
Installation	OC		X	X	X	
Flap Torque Tube	10,000	5	X	X	X	Note 1
Valve-Flap						
Control	10,000	5	X	X	X	Note 1
Valve-Speed Brake	10,000	5	X	X	X	Note 1
Trim Actuators	4,000	2	X	X	X	BC 2,000
Fuel, Chapter 28	10,000	5	X	X	X	
Cells	OC		X	X	X	R&R
Boost-Pump AC	4,000	2	X	X	X	
Boost-Pump DC	8,000	4	X	X	X	Note 2
Fuel Quantity Indication System	OC				X	C 1,000
Compensator Fuel Temp.	OC				X	C 1,000

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	OVERHAUL		INSPECTION AND CHECK PERIOD			
	HOURS	or YRS.	P.F.	S.C.	P.I.	OTHER
Hydraulic, Chapter 29	10,000	5	X	X	X	
Pump Emergency	2,000	2.5	X	X	X	
Pump Engine Driven	EO		X	X	X	
Regulator-Air- Pressure	4,000	4			X	
Valve-Reservoir Relief	4,000	4			X	
Accumulator- Emergency	4,000	4		X	X	
Accumulator- Regulator Primary	4,000	4		X	X	
Filters - Pressure Valve-Thermal	OC				X	R&R 4-PI
Relief-Emergency	4,000	4	X	X	X	
Reservoir Air Filters	OC					Note 3
Ice and Rain, Chapter 30	10,000	5	X	X	X	
Boots	OC	2.5	X	X	X	
Regulator	OC	2.5		X	X	
Valve Distributor	OC	2.5		X	X	
Instruments, Chapter 31						
May be determined by assigned inspector.						
Landing Gear, Chapter 32	10,000	5	X	X	X	
Wheels	OC		X	X	X	Zyglo wheels ea. tire ch.
Brakes	OC		X	X	X	
Anti-Skid-Control Units	OC	5			X	Spin check at wheel or brake

Tires	OC		X	X	X	change.
Cable-Emergency System	OC				X	FC 4-PI

Bottle-Nitrogen Pressure	*	*	X	X	X	*
Doors and Linkage Valve Assy. - Power Brake	OC		X	X	X	
	4,000	2	X	X	X	

Lights, Chapter 33  
 May be determined by assigned inspector

Navigation, Chapter 34  
 Overhaul times may be determined by assigned inspector.

X X X

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

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 AIRCRAFT MAINTENANCE  
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	OVERHAUL		INSPECTION AND CHECK PERIOD			
	HOURS	or YRS.	P.F.	S.C.	P.I.	OTHER
Oxygen, Chapter 35	10,000	5	X	X	X	
Cylinders	*		X	X	X	
Regulators, Crew	2,500	2	X	X	X	
Passenger regulator control panel	2,500	2	X	X	X	
Masks, Crew	OC		X	X	X	
Masks, Passenger	OC					Drop Test 3-PI

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of

CFR Title 49.

Doors, Chapter 52	10,000	5	X	X	X	
Locking mechanism and pins	10,000	5				Note 1
Fuselage, Chapter 53	10,000	5	X	X	X	
Connection of bottom frame carry thru structure between floor beams, FS 104 thru FS 270 - Z line .50	10,000	5				Note 4
Fuselage splice attachment in "J" stringers, Z line 65 and FS 105.78	10,000	5				Note 4
Splice at top of frames FS 105, FS 134.78 and FS 163.65, Z line 65	10,000	5				Note 4
Splice at inner caps at lower centerline, FS 105, FS 134.78 and FS 163.65, Z line 10.5						
Escape hatch retention blocks FS 196 and FS 216. - Z lines 32.45 and 59.45	10,000	5				500 hrs. or 6 mo.
Seat brace support. R/H side, FS 141 to FS 158. R/H and L/H sides FS 163 thru FS 259. Z line 10.5	10,000	5				Note 4
Clips connecting window line fuselage frames to adjacent	10,000	5				Note 4

fuselage frame.  
 R/H side FS  
 134.78, R/H and  
 L/H side FS  
 163.65 thru FS  
 250 - Z lines  
 38.75 and 56.25.

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	OVERHAUL		INSPECTION AND CHECK PERIOD			
	HOURS	or YRS.	P.F.	S.C.	P.I.	OTHER
Fuselage, Chapter 53 (Cont.)						
Window frames connecting to fuselage frames R/H side FS 134.73, R/H and L/H side FS 163.65 thru FS 250. Z lines 38.75 and 56.25.	10,000	5				Note 4
Splice bolts through pork chop fittings and members spanning floor beams. FS 196 and FS 216. -Z lines 1 and 9.	10,000	5				Note 4
Control idler attachments between floor beams in forward fuselage and supported on frames in aft fuselage. FS 76 thru FS 87, FS 125 thru	10,000	5				Note 4

FS 150, FS 196  
thru FS 223, FS  
259 thru FS 269,  
FS 317 thru FS  
328. Z line  
10.5

Aft pressure 5,000 5  
bulkhead mold  
line "U" cap  
channel used for  
skin splice. FS  
269.87

"J" stringer 10,000 5  
attachment at  
pressure bulk-  
head FS 269.87  
Z line 65.

Note 4

Center fuel 5,000 5  
separation panel  
floor to lower  
wing FS 270 to  
FS 316, Z lines  
10.5 thru 38.

Angles to connect 5,000 5  
centerfuel  
separation panel  
to pressure  
bulkhead. FS  
270, Z lines  
10.5 thru 38.

Angle under wing 5,000 5  
rear spar FS  
316, Z line 38.

Lower floor beam 10,000 5  
cap carry  
through fittings  
FS 270 and FS  
316. Z line -  
10.5.

Note 4

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	OVERHAUL		INSPECTION AND CHECK PERIOD			
	HOURS	or YRS.	P.F.	S.C.	P.I.	OTHER
Fuselage, Chapter 53 (Cont.)						
Engine nacelle mount yoke to fuselage attachments FS 404 and FS 419	10,000	5				EC
Nacelle/Pylons, Chapter 54	10,000	5	X	X	X	
Engine mount structure (including nacelle internal skins) NS 47.83 thru 102.58	10,000	5			X	EC
Engine attach bolts	OC				X	EC Magnaflux
Stabilizers, Chapter 55	10,000	5	X	X	X	
Elevator hinge bolts	10,000	5	X	X	X	Note 5
Elevator spar, external and internal	10,000	5		X	X	Note 6
Elevator ribs	10,000	5		X	X	Note 6
Elevator balance weights	10,000	5			X	2500 hrs or 2.5 yrs.
Horizontal stabilizer front spar and ribs	10,000	5		X	X	Note 6
Horizontal trim actuator bolts	OC				X	Note 8
Forward surface of forward spar, vertical stabilizer	10,000	5				Note 1

Rudder hinge bolts	10,000	5	X	X	X	Note 5
Rudder balance weights	10,000	5			X	2500 hrs or 2.5 yrs.
Rudder tab hinge pin	10,000	5	X	X	X	Note 4
Rudder tab balance weight	10,000	5			X	2500 hrs or 2.5 yr
Forward surface of forward rudder spar	10,000	5			X	2500 hrs. or 2.5 yrs.

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	OVERHAUL		INSPECTION AND CHECK PERIOD			
	HOURS	or YRS.	P.F.	S.C.	P.I.	OTHER
Windows, Chapter 56	10,000	5	X	X	X	
All Glass	OC		X	X	X	Note 7
Wing, Chapter 57	10,000	5	X	X	X	
Wing to fuselage attachments, WS 33	10,000	5				Note 4
57 Spar - rear side	10,000	5				Note 4
Front spar, main	10,000	5				Note 4
Dagger fittings WS 0 WS 62 and WS 93	10,000	5				Note 4
Rib, Center WS 0	10,000	5				Note 4
Ribs - WS 33 thru WS 247	10,000	5				Note 4
Stringers	10,000	5				Note 4

Rear spar, main	10,000	5					Note 4
Front spar splice, WS 15 RH side upper, WS 15 LH side lower	10,000	5					Note 4
Rear spar splice, WS 10 RH side upper, WS 10 RH side lower	10,000	5					Note 4
Flap hinge pin	2,500	2.5	X	X	X		
Aileron hinge bolts	10,000	5	X	X	X		Note 8
Aileron tab hinge pin	10,000	5	X	X	X		Note 4
Aileron and tab balance weights	10,000	5				X	Note 4
Engine, Chapter 72 CJ 610-1	1,000		X	X	X		Hot section 500 hrs. Note 9

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OVERHAUL	INSPECTION AND CHECK PERIOD			
HOURS or YRS.	P.F.	S.C.	P.I.	OTHER

Engine Fuel and Control, Chapter 73	EO		X	X	
Ignition, Chapter 74	EO		X	X	
Ignitor plug	OC				Note 7
Engine Controls, Chapter 76	OC	X	X	X	EO

Engine Indicating, Chapter 77	EO		X	X
Tachometer, Generator	EO		X	X
Exhaust Temperature Thermocouples	EO		X	X
Exhaust Pressure Ratio Transducer	EO		X	X
Fuel Flow Transmitter	EO		X	X
Oil Pressure Transmitter	EO		X	X
Fuel Pressure Transmitter	EO		X	X
Exhaust, Chapter 78	OC	X	X	X
Tail cone	EO	X	X	X
Oil, Chapter 79	EO			X
Oil tank	EO			X
Oil pump	EO			X
Starting, Chapter 80	EO			X
Starter-Generator (See Chapter 24)				

Note 1 Sample 1/3 of fleet at 2,500, 5,000 and 7,500 hours.

Note 2 Sample 1/3 of fleet at 4,000 and 6,000 hours.

Note 3 Inspect 1/3 of fleet at 2nd and 4th Periodic Inspection. If found satisfactory, increase time between inspections to each 8th Periodic Inspection.

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Note 4 Inspect at 5,000 hours or 2.5 years.

- Note 5     Inspect and magnaflux center bolt at 1,000 and 5,000 hours.
- Note 6     Xray 1/3 of fleet at 1,000, 3,000 and 5,000 hours.
- Note 7     Inspect, repair and/or replace in accordance with factory recommendations.
- Note 8     Inspect and magnaflux at intervals of 2,500 hours or 2.5 years.
- Note 9     Serialized engines listed in CJ 610 Service Bulletin No. 9 require a combustion liner change at 400 hours unless Service Bulletin No. 9, Service Bulletin No. 47 or subsequent revisions are incorporated.

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FIGURE 28.   OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
                   - DOUGLAS DC-8-62/62F

UNITED STATES OF AMERICA  
 FEDERAL AVIATION AGENCY  
 WASHINGTON

Form Approved.  
 Budget Bureau  
 No. 04-R075.

PART D

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE

DOUGLAS DC-8-62/62F

Following are additional items and/or changes to the original Douglas DC-8/F aircraft specification listing which apply to the Douglas DC-8-62/62F aircraft.

Zone diagrams for the Douglas DC-8/F are also applicable to Douglas DC-8-62/62F aircraft; however, fuselage stations listed will only apply to the Douglas DC-8/F.

Air Conditioning, Chapter 21 Valve, Cold Air Bypass	Overhaul Period OC	Inspection & Check Period D,E
Electrical Power, Chapter 24 Constant Speed Rive, 30 KVA Generator, 30 KVA	3,000 5,000	D - Oil Change B,D - Oil Level check

Panel, Voltage Regulator and Generator Control	OC	F/C @ E
Cooler, Air/Oil CSD	EO	D

Fire Protection, Chapter 26 (62F) Pyrotector (Smoke Detector)	OC	A, B, D, E
Container - Fire Extinguisher	*	B, D, E
Cartridge - Dual Squib	4 years	B, D, E

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27 Cylinder and Control Valve Rudder Power	2E	D
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Fuel, Chapter 28 Pump, Residual Fuel Scavenge Center Wing	OC	D - F/C @ E
Heater, Sump, Center Wing	OC	D - F/C @ E
Valve, Fuel Scavenge Selector Center Wing	OC	D - F/C @ E

Ice and Rain System, Chapter 30 Rain Repellent System	OC	A, B, D
Tail, De-icing	OC	D, E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-62/62F

	Overhaul Period	Inspection & Check Period
Landing Gear, Chapter 32		
Limiter, Brake Fluid Quantity	12,500	D
Bogie Beam, Main Landing Gear, Non Swivel	12,500	D
Valve, Nose Wheel Steering Bypass	12,500	D
Pneumatic, Chapter 36		
Heat Exchanger, Bleed Air	O.C.	D - E.C.
Valve, Bleed Air Temperature Control	O.C.	D - F/C @ E
Valve, 16th Stage Shut-Off	O.C.	D - F/C @

Valve, 12th Stage Check	O.C.	E.O. D - F/C @ E.O.
Amplifier, Pneumatic Manifold Rupture Warning	O.C.	D,E
Sensing Element, Pneumatic Manifold Rupture Warning	O.C.	E
Doors, Chapter 52		
(62F) Main Cabin Cargo Door Hydraulic System	O.C.	See NOTE *
(62F) Cylinder Assembly, Main Cabin Cargo Door Actuating	O.C.	See NOTE *

NOTE:

- \* The design of the main cabin cargo door installation is such that in the normally latched and locked position, it can be structurally compared to any fixed portion of the fuselage.

It is only when the door is actuated open on the ground during cargo loading operations that the heaviest loads are incurred. These loads would be greatest at the upper door hinge and hydraulic actuating cylinder attach points. The

door seal would also be subject to damage at this time.

Thus, door utilization established inspection frequency. Under these conditions, Douglas suggests the following procedures for purposes of inspection: (1) Conduct a general visual area inspection of the upper cargo door hinge attachments, door jamb, door actuating cylinder attachments, door seal and latching mechanism at the scheduled "D" service following use of the aircraft in cargo configuration. (2) If the aircraft is operated solely in the passenger configuration, conduct a general visual area inspection (as above) no later than "E" frequency.

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OPERATIONS SPECIFICATIONS  
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Powerplant, Chapter 71	Overhaul Period	Inspection & Check Period
------------------------	--------------------	------------------------------

Nose Cowl and Fan Duct Attach.,

Fireseal, Engine Mounts, Control and Accessory Brackets	Engine Change	D
Engine Air, Chapter 75		
Valve, Engine Nose Cowl Anti-ice Shut-off	O.C.	D - F/C @ E.O.
Thrust Reverser, Chapter 78		
Thrust Reverser Assembly	O.C.	B,D (X-Ray Reverser Structure, on Aircraft at E Frequency)
Pump Assembly, Electric Driven	5000	D
Accumulator	16,000	D
Cylinder, Thrust Reverser Actuator	12,000	D
Valve, Thrust Reverser Control	12,000	D
Cylinder, Stow Latch, Thrust		
Reverser	12,000	D
Filter Assembly	O.C.	E

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AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-62/62F

STRUCTURE INSPECTION PROGRAM

E Check -	4000 Hours	Overhaul	Inspection &
D Check -	500 Hours	Period	Check Period

Wings

Wing Tip, Zone 5 L/R	5E	D
----------------------	----	---

Wing Outboard of Sta. Xw 408, Zone 9 L/R & Zone 6 L/R	5E	
--	----	--

Wing Leading Edge Sta. Xfs. 710 to Xw 736 Cant, Zone 7 L/R	E	
--	---	--

Wing Leading Edge Sta. Xw 485		
-------------------------------	--	--

to Xfs. 710, Zone 8 L/R	E	
* No. 1 & 4 Alternate Fuel Tanks, Zone 9 L/R and Zone 6 L/R	5E	E-Sample One Tank Per Aircraft
Wing Trailing Edge Sta. Xw 408 to Xw 736 Cant, Aft of Rear Spar, Zone 10 L/R	E	Aileron Hinge Brackets and Bolts 4D
Aileron and Tab, Zone 11 L/R	E	Hinges & Attachments 4D
Aileron Leading Edge Balance Weights	2E	
Wing Leading Edge at Outboard Pylon Sta. Xfs. 526 to Xw 485, Zone 12 L/R	E	
Outboard Pylon, Apron and Nacelle Access Doors, Zone 13 L/R	E	2D
* Pylon Upper Spar and Pylon Leading Edge attachments, Zone 13 L/R	E	2D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-62/62F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Wings (Continued)		
* Pylon to Wing Front Spar and Pylon to Wing Attachments, Zone 13 L/R	E	2D

Inboard Pylon, Apron and Nacelle Access Doors, Zone 14 L/R	E	2D
* Pylon Upper Spar and Pylon Leading Edge Attachments, Zone 14 L/R	E	2D
* Pylon to Wing Front Spar and Pylon to Wing Attachments, Zone 14 L/R	E	2D
Wing Leading Edge Sta. Xw 408 to Xfs. 526, Zone 15 L/R	E	
Wing Leading Edge Sta. Xw 257  to Xw 408, Zone 16 L/R	E	
* No. 1 & 4 Main Fuel Tanks, Zone 17 L/R	5E	E-Sample One Tank Per Aircraft
Wing Trailing Edge from Outboard Auxiliary Spar to Sta. Xw 408, Zone 18 L/R	E	
Main Landing Gear Support Fittings and Auxiliary Spars, Zone 19 L/R	2E	
Wing Leading Edge at Inboard Pylon Sta. Xfs. 250 to Xw 257, Zone 20 L/R	E	
Wing Leading Edge Sta. Xw0 to Xfs. 207, Zone 21 L/R & 22 L/R External Inspection	E	
Wing Leading Edge Xfs Sta. 207 to Xs 250, Zone 20 & Zone 21 External Inspection	E	
Wing Leading Edge Xfs Sta. 207 to Xs 250, Zone 20 & Zone 21 Including Forward Face of Wing Front Spar, as visible.	E	

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AIRCRAFT MAINTENANCE  
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STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Wings (Continued)		
Leading Edge Fuel Tanks, Zone 21 L/R and Zone 22 L/R	5E	
No. 2 and 3 Main and Alternate Fuel Tanks, Zone 23 L/R and Zone 24 L/R	5E	
Outboard Wing Flap Interior Structure, Zone 25 L/R	3E	
Flap Hinge Support Fittings, Zone 25 L/R	2E	
Aft Side of Flap Spar, Zone 25 L/R	4E	
Inboard Wing Flap & Links at the Outboard End of the Flap, which Connect to the Inboard End of the Outboard Flap, Zone 26 L/R	E	
Flap Hinge Support Fittings and Aft Side of Flap Spar, Zone 26 L/R	4E	
Interior of Center Wing Sta. Xcw 0 to Xcw 69.5 (Front to Rear Spar, Zone 27 L/R	5E	

NOTE:

- \* Specified times for items identified by (\*) applicable to all operators until satisfactory service experience accumulated.

Fuselage (All Stations are DC-8-62/62F)

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AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-62/62F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Fuselage Turbo Compressor Compartment, Zone 52	4E	
Navigation Antenna Compartment, Zone 53	4E	
Nose Gear Wheel Well, Zone 54	4E	
Nose Wheel Well Tunnel, Zone 55, L/R	4E	
Air Conditioning Accessory Compartment, Sta. 208 to 270, Zone 56	E	
Forward Cargo Compartment, Sta. 270 to 640, Zone 57	4E	
Forward Cargo Compartment Tunnel Sta. 270 to 640, Zone 57 L/R	4E	
Fuselage Accessory Compartment Sta. 640 to 680, Zone 58	E	
Upper and Lower Front Spar Cap, Forward Face of Front Spar Web Upper and Lower Front Spar Caps and Splice Plates at Sta. Xcw 0, Zone 58	4E	
Aft Cargo Compartment Sta. 980 to 1380, Zone 59	4E	

Aft Cargo Compartment Tunnel,  
Sta. 980 to 1380, Zone 59 L/R 4E

Fuselage Belly Compartment Sta.  
1380 to Pressure Panel at  
Sta. 1606, Zone 60 E

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AIRCRAFT MAINTENANCE  
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STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Aft Fuselage Sta. 1606 to 1730, Zone 61	E	
Aft Face and Periphery of Pressure Panel at Fuselage Sta. 1606, Zone 61	E	
Fuselage Tail Cone, Zone 62	E	
Fuselage Sta. 69 to 83 Above Cockpit Floor, Zone 63	4E	
Fuselage Cockpit Sta. 83 to 148, Zone 64	4E	
Fuselage Cockpit Sta. 148 to 225 Above Floor, Zone 65 L/R	E	
Fuselage Sta. 208 to 69 Between Cockpit Floor and Horizontal Pressure Panel, Zone 66	E	
Forward and Aft Galley Areas Sta. 340 to 420 and Sta. 1440 to 1520 R. Side, Zone 67	E	
Scuff Plates at Forward and Aft Service Door Jambs, Internal Inspection of Door Jambs.		

Intercostals and Frames at  
Fuselage Sta. 355, 391, 1460  
and 1500. Inspection of Door

Hinge Attachments and Door  
Snubber Attachments to Jambs,  
Zone 67 4E

Forward and Aft Lavatory Areas,  
Zone 68 4E

Vertical Stabilizer Front and  
Center Spar Attachments to  
Fuselage Longerons, Between  
Fuselage Sta.'s 1540 and 1606,  
Zone 68 4E

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AIRCRAFT MAINTENANCE  
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STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Upper and Lower Attachments of Aft Pressure Panel Vertical Beam (Center Line-Forward Face Pressure Panel) Fuselage Sta. 1606, Zone 68	4E	
Fuselage Entrance Doors, Zone 69	4E	
(62F) Main Cabin Cargo Door, Zone 69	4E	
Emergency Exit Doors, Zone 69	4E	
Fuselage Sta. 680 to 980 Between Bottom of Floor and Top of Wing and Wheel Well, Zone 70	4E	
Upper Wing to Fuselage Fillet,		

Zone 71 L/R	4E
Lower Wing to Fuselage Fillet Sta. 680 to 980, Zone 72 L/R	4E
Fuselage Less Zones 67 & 68, From Sta. 225 to 1485 Above Cusp., Zone 73	4E
(62F) Internal Inspection of Main Cabin Cargo Door Jamb Intercostals and Frames at Fuselage Sta. 330 and 470, Zone 73	4E
Left and Right Main Landing Gear and Wheel Well, Zone 74 L/R	4E
Wheel Well Keel, Zone 74 L/R	E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-62/62F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Left and Right Horizontal Stabilizer Leading Edge, Zone 75 L/R	2E	
Forward Face of Stabilizer Front Spar, Zone 75 L/R	E	
Left and Right Horizontal Stabilizer Outer Panel, Zone 76 L/R	4E	
Horizontal Stabilizer Center		

Section, Zone 77	2E
Left and Right Elevator and Tabs, Zone 78 L/R	E
Vertical Stabilizer Leading Edge, Zone 79	2E
Vertical Stabilizer Front Spar To Rear Spar, Zone 80	2E
Vertical Stabilizer Tip, Zone 81	3E
Rudder and Tab, Zone 82	2E
Rudder Hinge Fitting and Damper	E
Horizontal Stabilizer Tip, Zone 83 L/R	2E
Left and Right Aft Fillet, Zone 84, L/R	2E

Effective date \_\_\_\_\_

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 FIGURE 29. OPERATIONS SPECIFICATIONS/AIRCRAFT MAINTENANCE  
 - DOUGLAS DC-8-63/63F

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PART D

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 DOUGLAS DC-8-63/63F

Following are additional items and/or changes to the original Douglas DC-8/F aircraft specification listing which apply to the Douglas DC-8-63/63F aircraft.

Zone diagrams for the Douglas DC-8/F are also applicable to

Douglas DC-8-63/63F aircraft; however, fuselage stations listed will only apply to the Douglas DC-8/F.

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21		
Valve, Fan Unloader	OC	D,E
Filter, Recirculating Fan	OC	D
Valve, Cold Air Bypass	OC	D,E
Electrical Power, Chapter 24		
Constant Speed Drive, 30 KVA	3,000	D-Oil Change
Generator, 30 KVA	5,000	B,D-Oil Level Check
Panel, Voltage Regulator and Generator Control	OC	E - F/C
Cooler, Air/Oil CSD	EO	D
Fire Protection, Chapter 26		
(63F) Pyrotector (Smoke Detector)	OC	A,B,D,E
Container - Fire Extinguisher	*	B,D,E
Cartridge - Dual Squib	4 years	B,D,E
* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.		
Flight Controls, Chapter 27		
Cylinder and Control Valve Rudder Power	2E	D
Fuel, Chapter 28		
Pump, Residual Fuel Scavenge Center Wing	OC	D, F/C @ E
Heater, Sump, Center Wing	OC	D, F/C @ E
Valve, Fuel Scavenge Selector Center Wing	OC	D, F/C @ E
Ice and Rain Protection, Chapter 30		
Rain Repellent System	OC	A,B,D
Tail De-icing Timer	OC	D,E

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Landing Gear, Chapter 32	Overhaul Period	Inspection & Check Period
Bogie Beam, Main Landing Gear, Non-Swivel	12,500	D
Energy Absorber, Tailskid Valve, Nose Wheel Steering, Bypass	O.C.	A,B,D
Limiters, Brake Fluid Quantity	12,500	D
	12,500	D
Pneumatic System, Chapter 36		
Heat Exchanger, Bleed Air Valve, Bleed Air Temperature Control	O.C.	D - E.C.
	O.C.	D - F/C @ E
Valve, 16th Stage Shut-off	O.C.	D - F/C @ E.O.
Valve, 12th Stage Check	O.C.	D - F/C @ E.O.
Amplifier, Pneumatic Manifold Rupture Warning	O.C.	D,E
Sensing Element, Pneumatic Manifold Rupture Warning	O.C.	E
Doors, Chapter 52		
(63F) Main Cabin Cargo Door Hydraulic System (Same as 55F)	O.C.	See NOTE *
(63F) Cylinder Assembly, Main Cabin Cargo Door Actuating	O.C.	See NOTE *

\* NOTE: The design of the main cabin cargo door installation is such that in the normally latched and locked position, it can be structurally compared to any fixed portion of the fuselage.

It is only when the door is actuated open on the ground during cargo loading operations that the heaviest loads are incurred. These loads would be greatest at the upper door hinge and hydraulic actuating cylinder attach points. The door seal would also be subject to damage at this time.

Thus, door utilization established inspection frequency. Under these conditions, Douglas suggests the following procedure for purposes of inspection:  
(1) Conduct a general visual area inspection of the upper cargo door hinge attachments, door jamb, door actuating cylinder attachments, door seal and latching mechanism at the scheduled "D" service following use of the aircraft in cargo configuration; (2) If the

aircraft is operated solely in the

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-63/63F

Overhaul                      Inspection &  
Period                        Check Period

\* NOTE: (Continued)

passenger configuration, conduct a general visual area inspection (as above) no later than "E" frequency.

Powerplant, Chapter 71

Nose Cowl and Fan Duct Attach.  
Fireseal, Engine Mounts  
Control & Accessory Brackets

Engine  
Change                      D

Engine Air, Chapter 75

Valve, Engine Nose Cowl  
Anti-ice Shut-off

O.C.                        D, F/C @  
E.O.

Thrust Reverser, Chapter 78

Thrust Reverser Assembly

O.C.                        B,D (X-Ray  
Reverser  
Structure  
on  
Aircraft  
@ E  
Frequency)

Pump Assembly, Electric Driven  
Accumulator                      5000  
Cylinder, Thrust Reverser                      16,000  
Actuator                              12,000  
Valve, Thrust Reverser Control                      12,000  
Cylinder, Stow Latch, Thrust  
Reverser                              12,000  
Filter Assembly                      O.C.

D  
D  
D  
D  
D  
E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-63/63F

STRUCTURE INSPECTION PROGRAM

E Check -	4000 Hours	Overhaul	Inspection &
D Check -	500 Hours	Period	Check Period

Wings

Wing Tip, Zone 5 L/R	5E	D
Wing Outboard of Sta. Xw 408, Zone 9 L/R & Zone 6 L/R	5E	Combined Zone 9 L/R & Zone 6 L/R
Wing Leading Edge Sta. Xfs 710 to Xw 736 Cant, Zone 7 L/R	E	
Wing Leading Edge Sta. Xw 485 to Xfs 710, Zone 8 L/R	E	
* No. 1 & 4 Alternate Fuel Tanks, Zone 9 L/R and Zone 6 L/R	5E	E-Sample One Tank Per Aircraft
Wing Trailing Edge Sta. Xw 408 to Xw 736 Cant, Aft of Rear Spar, Zone 10 L/R	E	Aileron Hinge Brackets and Bolts 4D
Aileron and Tab, Zone 11 L/R	E	Hinges &

Attachments 4D

Aileron Leading Edge Balance Weights	2E	
Wing Leading Edge at Outboard Pylon Sta. Xfs 526 to Xw 485, Zone 12 L/R	E	
Outboard Pylon, Apron and Nacelle Access Doors, Zone 13 L/R	E	2D
* Pylon Upper Spar, and Pylon		

Leading Edge Attachments, Zone 13 L/R	E	2D
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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-63/63F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Wings (Continued)		
* Pylon to Wing Front Spar and Pylon to Wing Attachments, Zone 13 L/R	E	2D
Inboard Pylon, Apron and Nacelle Access Doors, Zone 14 L/R	E	2D
* Pylon Upper Spar and Pylon Leading Edge Attachments, Zone 14 L/R	E	2D
* Pylon to Wing Front Spar and Pylon to Wing Attachments, Zone 14 L/R	E	2D
 Wing Leading Edge Sta. Xw 408 to Xfs 526, Zone 15 L/R	 E	
Wing Leading Edge Sta. Xw 257 to Xw 408, Zone 16 L/R	E	
* No. 1 & 4 Main Fuel Tanks, Zone 17 L/R	5E	E-Sample One Tank Per Airplane
 Wing Trailing Edge from Outboard Auxiliary Spar to Sta. Xw 408, Zone 18 L/R	 E	
Main Landing Gear Support Fittings & Auxiliary Spars,		

Zone 19 L/R	2E
Wing Leading Edge at Inboard Pylon Sta. Xfs 250 to Xw 257, Zone 20 L/R	E
Wing Leading Edge Sta. Xw0 to Xfs. 207, Zone 21 L/R & 22 L/R External Inspection	E
Wing Leading Edge Xfs Sta. 207 to Xs 250, Zone 20 & Zone 21 External Inspection	E
Wing Leading Edge Xfs Sta. 207 to Xs 250 Zone 20 & Zone 21 including Forward Face of Wing Front Spar, as visible.	E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-63/63F  
  
STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Wings (Continued)		
Leading Edge Fuel Tanks, Zone 21 L/R & Zone 22 L/R	5E	
No. 2 & 3 Main and Alternate Fuel Tanks, Zone 23 L/R & Zone 24 L/R	5E	
Outboard Wing Flap Interior Structure, Zone 25 L/R	3E	
Flap Hinge Support Fittings, Zone 25 L/R	2E	
Aft Side of Flap Spar, Zone 25 L/R	4E	
Inboard Wing Flap & Links at the		

Outboard End of the Flap,  
 which Connect to the Inboard  
 End of the Outboard Flap,  
 Zone 26 L/R E

Flap Hinge Support Fittings and  
 Aft Side of Flap Spar, Zone  
 26 L/R 4E

Interior or Center Wing Sta.  
 Xcw 0 to Xcw 69.5 (Front to  
 Rear Spar), Zone 27 L/R 5E

NOTE: \* Specified times for items identified by (\*) applicable  
 to all operators until satisfactory service experience  
 accumulated.

Fuselage (All stations are  
 DC-8-63/63F, Identical  
 to DC-8-61/61F)

Radome, Zone 51 E

Fuselage Turbo Compressor  
 Compartment, Zone 52 4E

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 DOUGLAS DC-8-63/63F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Navigation Antenna Compartment, Zone 53	4E	
Nose Gear Wheel Well, Zone 54	4E	
Nose Wheel Well Tunnel, Zone 55 L/R	4E	
Air Conditioning Accessory Compartment Sta. 8 to 70,		

Zone 56	E
Forward Cargo Compartment Sta. 70 to 640, Zone 57	4E
Forward Cargo Compartment Tunnel Sta. 70 to 640, Zone 57 L/R	4E
Fuselage Accessory Compartment Sta. 640 to 680, Zone 58	E
Upper and Lower Front Spar Cap, Forward Face of Front Spar Web Upper and Lower Front Spar Caps and Splice Plates at Sta. Xcw 0, Zone 58	4E
Aft Cargo Compartment Sta. 980 to 1540, Zone 59	4E
Aft Cargo Compartment Tunnel, Sta. 980 to 1540, Zone 59 L/R	4E

Fuselage Belly Compartment Sta. 1540 to Pressure Panel at Sta. 1766, Zone 60	E
Aft Fuselage Sta. 1766 to 1890, Zone 61	E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-63/63F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Aft Face and Periphery of Pressure Panel at Fuselage Sta. 1766, Zone 61	E	
Fuselage Tail Cone, Zone 62	E	

Fuselage Sta. -131 to -117  
above Cockpit Floor, Zone 63 4E

Fuselage Cockpit Sta. -117 to  
-52, Zone 64 4E

Fuselage Cockpit Sta. -52 to  
25 above Floor, Zone 65 L/R E

Fuselage Sta. 8 to -131 Between  
Cockpit Floor and Horizontal  
Pressure Panel, Zone 66 E

Forward and Aft Galley Areas  
Sta. 360 to 460 & Sta. 1500  
to 1620 R. Side, Zone 67 E

Scuff Plates at Forward and Aft

Service Door Jambs. Internal  
Inspection of Door Jambs.  
Intercostals & Frames at  
Fuselage Sta. 395, 430, 1538  
& 1575. Inspection of Door  
Hinge Attachments & Door  
Snubber Attachments to Jambs,  
Zone 67 4E

Forward and Aft Lavatory Areas,  
Zone 68 4E

Vertical Stabilizer Front &  
Center Spar Attachments to  
Fuselage Longerons, Between  
Fuselage Sta's. 1700 and 1766,  
Zone 68 4E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-63/63F

STRUCTURE INSPECTION PROGRAM

Overhaul Period	Inspection & Check Period
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Fuselage (Continued)

Upper and Lower Attachments of Aft Pressure Panel Vertical Beam (Center Line-Forward Face of Pressure Panel) Fuselage Sta. 1766, Zone 68	4E
Fuselage Entrance Doors, Zone 69	4E
(63F) Main Cabin Cargo Door, Zone 69	4E
Emergency Exit Doors, Type I and Type III, Zone 69	4E
Fuselage Sta. 680 to 980 Between Bottom of Floor and Top of Wing and Wheel Well, Zone 70	4E
Upper Wing to Fuselage Fillet, Zone 71 L/R	4E
Lower Wing to Fuselage Fillet Sta. 680 to 980, Zone 72 L/R	4E
Fuselage Less Zones 67 & 68, From Sta. 25 to 1645 above Cusp., Zone 73	4E
(63F) Internal Inspection of Main Cabin Cargo Door Jamb Intercostals and Frames at Fuselage Sta. 130 to 270, Zone 73	4E
Internal Inspection of Type I and Type III Emergency Exit Door Jambs, Intercostals and Frames	4E
Left and Right Main Landing Gear and Wheel Well, Zone 74 L/R	4E
Wheel Well Keel, Zone 74 L/R	E

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-8-63/63F

STRUCTURE INSPECTION PROGRAM

	Overhaul Period	Inspection & Check Period
Fuselage (Continued)		
Left and Right Horizontal Stabilizer Leading Edge, Zone 75 L/R	2E	
Forward Face of Stabilizer Front Spar, Zone 75 L/R	E	
Left and Right Horizontal Stabilizer Outer Panel, Zone 76 L/R	4E	
Horizontal Stabilizer Center Section, Zone 77	2E	
Left and Right Elevator and Tabs, Zone 78 L/R	E	
Vertical Stabilizer Leading Edge, Zone 79	2E	
Vertical Stabilizer Front Spar to Rear Spar, Zone 80	2E	
Vertical Stabilizer Tip, Zone 81	3E	
Rudder and Tab, Zone 82	2E	
Rudder Hinge Fittings and Damper	E	
Horizontal Stabilizer Tip, Zone 83 L/R	2E	
Left and Right Aft Fillet, Zone 84 L/R	2E	

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FIGURE 30. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- LOCKHEED MODEL 300 (C-141A)

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PART D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

APPLICABILITY

Lockheed fuselage serial numbers 6285 and up. For aircraft with fuselage serial numbers other than stated, Maintenance Specifications will be individually established. Overhaul and inspection intervals apply to components and appliances identified in Lockheed Service Manual Publication SMP 231 dated June 1, 1967, and revisions thereto.

EFFECTIVITY

Subject to the submission of acceptable maintenance technical data to an authorized representative of the FAA.

INSPECTION/CHECK REQUIREMENTS

The basic requirements for performing these inspections and checks are as specified in Part I of Lockheed Service Manual Publication SMP 231 dated June 1, 1967, and revisions thereto.

"A" INSPECTION/CHECK

To be accomplished each service calendar day.

"B" INSPECTION/CHECK

To be accomplished at intervals not exceeding 125 hours time in service after the preceding "B" or "C" inspection/check period.

"C" INSPECTION/CHECK

To be accomplished at intervals not exceeding 500 hours time in service after the preceding "C" inspection/check period.

## AIRFRAME STRUCTURAL INSPECTIONS

The frequency and procedure for performing these inspections will be accomplished as specified in Part I and Part III of Lockheed Service Manual Publication SMP 231 dated June 1, 1967, and revisions thereto.

## SPECIAL INSPECTIONS

The frequency and procedures for performing these inspections will be accomplished as specified in Part IV of Lockheed Service Manual Publication SMP 231 dated June 1, 1967, and revisions thereto.

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## OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE LOCKHEED MODEL 300 (C-141A)

## TERMINOLOGY DEFINITION

Unless otherwise stated herein, the time limitations are listed in aircraft operating hours. Letters and terms used denote the following:

"OC" = On Condition  
"EO" = Engine Overhaul  
"6 Months" = Six months calendar time  
"5 Years" = Five years calendar time  
"E.T.I." = Elapsed time indicator hours  
"5000 Starts" = Quantity indicated on unit start counter  
"A" = Daily Check (Part I)  
"B" = "B" Check (125 hours) (Part I)  
"C" = "C" Check (500 hours) (Part I)  
"2C" = Second "C" Check (Part I)  
"3C" = Third "C" Check (Part I)  
"6C" = Sixth "C" Check (Part I)  
"EC" = Engine Change  
"EO" = Engine Overhaul  
"EO/FC" = Functional Check required at Engine Overhaul  
"S" = Special Inspection (Part IV)  
"ST" = Structural Inspection (Part III)

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

LOCKHEED MODEL 300 (C-141A)

	Overhaul Period	Inspection and Check Period			
		A	B	C	2C S
Air Conditioning, Chapter 21	OC	A	B	C	2C S
Box, Temperature Control	OC			C	2C
Control, Fan and Venturi, Cabin Pressure	6,000			C	
Control, Venturi, Cabin Pressure	OC			C	
Controller, Cabin Pressure, Automatic	3,000	A	B	C	2C
Controller, Cabin Pressure, Manual	6,000	A	B	C	2C
Fan Cooling, Electrical Equipment	12,000			C	
Fan Cooling, Electronic Components	6,000			C	
Heat Exchanger, Primary and Secondary	OC			B	C
Indicator, Air Pressure, Dual	OC	A	B	C	
Indicator, Rate of Climb	12,000	A	B	C	
Indicator, Pressure Cabin Altitude and Diff. Pressure	6,000	A	B	C	
Indicator, Temperature	OC	A	B	C	
Regulator, Pressure, Jet-Pump	OC			C	
Sensor, Temperature	OC			C	2C
Switch, Warning, Cabin Low Pressure	OC			C	
Transmitter, Pressure, Air	OC			C	
Turbine Assembly, Refrigeration	3,000	B	C		2C
Valve, By-Pass Turbine	12,000			C	2C
Valve, Diverter, Air Conditioning	12,000			C	
Valve, Flow Control and Shut-Off (Air Conditioning)	12,000			C	
Valve, Flow Control, Electronic Cooling	12,000			C	
Valve, Modulating, Floor Heat, Cargo Compartment	3,000			C	
Valve, Outflow, Cabin Pressure	6,000			C	
Valve, Regulator, Air Pressure	6,000			C	
Valve, Relief, Air Pressure	12,000			C	
Valve, Shut-Off, Alternate Air, Flight Station	12,000			C	
Valve, Shut-Off, Floor Heat, Cargo Compartment	12,000			C	
Valve, Shut-Off, Primary Heat Exchanger Ejector	12,000			C	
Valve, Shut-Off, Ram Air Vent	12,000			C	
Valve, Solenoid, Emergency Depressurization	OC			C	S
Valve, Temperature Control, Cabin	12,000			C	
Water Separator, Air Conditioning	OC	B	C		S

Auto Flight, Chapter 22	OC	A B C 2C S
Actuator, Servo AFCS	6,000	C
Actuator, Servo Yaw Damper	6,000	C
Compensator, Mach Trim	3,000	C 2C S
Computer, Aileron, AFCS	1,000	C
Computer, Elevator, AFCS	1,000	C
Computer, Yaw Damper	1,000	C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

	Overhaul Period	Inspection and Check Period
Auto Flight, Chapter 22, Continued	OC	A B C 2C
Control, Mach Trim	OC	A B C
Control Panel, Yaw Damper	OC	A B C
Gyro-Rate, Single Axis	3,000	B C
Gyro-Rate, Two Axis	3,000	B C
Indicator, Trim, AFCS	6,000	A B C
Mounts, Servo, Aileron and Elevator	OC	C
Mounts, Servo, Yaw Damper	OC	C
Panel, Control, AFCS	3,000	A B C
Sensor, Control Wheel Force	12,000	C
Transmitter, Mach Trim Compensator	12,000	C 2C
Vertical Gyro, AFCS	1,000	C
Communications, Chapter 23	OC	A B C S ST
Control, Intercommunications	OC	A B C S ST

Requirements for additional equipment may be determined by assigned inspector.

Electrical Power, Chapter 24	OC	A B C 2C S
Battery	OC	A B C
Constant Speed Drive (CSD)	EO	B C S
Controller - Load	12,000	C
Contractor	12,000	C
Cooler - Oil CSD	EO	B C
Frequency Meter	12,000	A B C
Generator - Engine Driven 40 KVA	EO	B C
Generator - APU Driven 40 KVA	6,000	B C
Generator - Emergency Hydraulic		

Driven	OC	B C 2C	
Indicator - Temperature CSD Oil	12,000	A B C	S
Loadmeter	OC	A B C	
Panel - Bus Protection	OC	C	
Panel - Generator Protection	9,000	C	
Panel - Protection Aux. Power	12,000	C	
Quick-Attach/Detach Assembly	EO	B C	
Regulator-Voltage	12,000	C	
Relay - "Bus Off" Indicator	12,000	C	
Relay - Emergency Bus Power	12,000	C 2C	
Relay - Essential Bus Power	12,000	C	
Relay - Frequency Sensitive	12,000	C 2C	
Relay - Isolated Bus	12,000	C 2C	
Relay - Isolated Bus Reverse Current	12,000	C 2C	
Relay - Main D-C Bus	12,000	C	
Tank, Oil, CSD	EO	B C	
Transformer - Rectifier Unit	OC	B C	
Sensor - Temperature CSD Oil	12,000	B C	S
Switch, Pressure, CSD Oil	12,000	B C	
Voltmeter	12,000	A B C	

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

	Overhaul Period	Inspection & Check Period	
Equipment & Furnishings, Chapter 25	OC	A B C	ST
Belt, Flight Crew Safety	6,000	A B C	
Belt, Passenger Type Safety	6,000	A B C	
Galley - Aircraft Type, Crew	12,000	A B C	ST
Goggles, Smoke	OC	A B C	
Harness, Aircraft Safety, Shoulder	6,000	A B C	
Kit, First Aid, Medical	6 months	A B C	
Ladder Assy. - Emergency Exit	OC	A B C	
Lavatory - Crew	12,000	A B C	ST
Rope Assembly - Escape	OC	A B C	
Seats - Flight Station	12,000	A B C	
Winch - Cargo	OC	C	
Fire Protection, Chapter 26	OC	A B C	S ST
Amplifier - Smoke Detection	OC	B C	

Cable - Flex	OC	B C	S ST
Control Unit - Fire Warning	OC	A B C	S
Detector - Smoke	OC	B C	
Element - Sensing	OC	A B C	S
Extinguisher - Fire, Portable CO2	*	A B C	S
Extinguisher - Fire, Dry Chemical, Portable	*	A B C	S
Generator - Fire Warning (Tone)	OC	A B C	S
Horn, APU Fire Warning SDU-1A	OC	A B C	S
Keyer, Engine Overheat	OC	A B C	S
Sphere-Charged, and Operating Head, APU and Engine	*	B C	S
Valve, Fire Extinguisher, Two-Way Check	OC	C	S

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	OC	A B C 2C	S ST
Actuator - Aileron Trim and Transmitter Assembly	6,000	B C	
Actuator - Aileron Artificial Feel (Cartridge)	6,000	B C	
Actuator - Elevator, Artificial Feel "Q"	3,000	B C	
Actuator - Rudder Artificial Feel (Cartridge)	6,000	B C	
Actuator - Flap Inboard and Outboard	6,000	A B C	
Actuator - Rudder Pedal, Bungee (Rudder Pedal Steering)	6,000	B C	
Actuator - Rudder Trim & Transmitter Assembly	6,000	B C	
Actuator - Spoiler Control, Cable Servo	6,000	B C	
Actuator - Spoiler Control Servo	6,000	B C	
Actuator Assembly - Stabilizer Trim (PITCH)	6,000	B C 2C	
Actuator Assembly - Aileron Tab Lockout	6,000	B C	
Actuator Assembly - Control Column Pusher	6,000	B C	

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Flight Controls - Chapter 27 Continued	Overhaul Period	Inspection and Check Period
Actuator Assembly - Pitch Trim		
Arming	6,000	B C 2C
Aileron Assembly	OC	A B C ST
Brake Assembly - Flap Asymmetry	12,000	B C 2C
Broken Cable Detector, Wing Flap	OC	B C 2C
Carriage Assembly - Flap Inboard and Outboard	6,000	B C
Chain and Cable Assembly - Flap Asymmetry	OC	B C 2C
Computer Amplifier - Flap Asymmetry System	6,000	B C 2C
Computer, Stall Warning and Prevention	3,000	B C
Control Assembly - Aileron Power	6,000	B C
Control Assembly - Elevator Power	6,000	B C
Control Assembly - Rudder Power	6,000	B C
Control Column Assembly	OC	B C ST
Elevator Assembly	OC	A B C ST
Flap Assembly - Inboard and Outboard	OC	A B C ST
Gear Box Assembly - Flap Drive	6,000	B C
Indicator - Aileron Trim	12,000	C
Indicator - Flap Position	12,000	C
Indicator - Pitch Trim	12,000	C 2C
Indicator - Rudder Trim	12,000	C
Indicator - Spoiler Position	6,000	C 2C
Limit Switch - Flap Position	6,000	B C
Regulator Assembly - Control Cable Tension (All Control Systems)	OC	B C ST
Rudder Assembly	OC	A B C ST
Shaker - Control Column	12,000	B C
Spoiler Panels - Inboard, Outboard Upper and Lower	OC	A B C ST
Transmitter, Angle of Attack	6,000	B C
Transmitter - Flap Drive Sprocket, Position	12,000	C 2C
Transmitter - Flap Position	6,000	C
Transmitter - Pitch Trim Position	6,000	C 2C
Transmitter - Spoiler Position	6,000	C 2C
Valve, Flow Control, Pitch Trim	6,000	B C
Valve, Spoiler, Shutoff, Manual	OC	C
Fuel System, Chapter 28	OC	A B C 3C S ST
Actuator, Fuel Shut-Off Valve	12,000	C
Control Unit, Fuel Sensing	12,000	C
Indicator, Fuel Pressure	12,000	A B C
Indicator, Fuel Tank Quantity	12,000	A B C 3C S
Indicator, Total Fuel Quantity	12,000	A B C 3C S
Pump, Fuel Boost	6,000	A B C
Pump, Fuel, SPR Drain	12,000	A B C

Switch, Boost Pump Low Pressure  
Warning

OC

A B C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

	Overhaul Period	Inspection and Check Period					
Fuel System, Chapter 28 Continued							
Switch, Fuel Inlet Pressure	OC	A	B	C			
Tank Unit, Fuel Quantity	OC	A	B	C	3C	S	ST
Transmitter, Fuel Pressure	12,000	A	B	C			
Valve, APU Fuel Shut-Off Supply	OC	A	B	C			
Valve, Fuel Level Control	12,000	A	B	C			ST
Valve, Fuel, Manual Shut-off	OC			C		S	ST
Valve, Fuel Shut-Off	12,000	A	B	C		S	ST
Hydraulic Power, Chapter 29	OC	A	B	C	2C	3C	6C S ST
Accumulator	12,000	A	B	C			ST
Filter-Air Vent Line	OC		B	C	2C		S
Filter - Hydraulic	OC		B	C	3C		S
Fuse - Hydraulic	OC		B	C			
Gage - System Pressure, Direct Reading	OC	A	B	C			S
Indicator, Hydraulic Pressure	12,000	A	B	C			S
Pump - Suction Boost, Hydraulic Driven	6,000		B	C			S
Pump - Hand Operated	OC		B	C			6C
Pump - Hydraulic, Engine Driven	4,000		B	C			S
Pump - Hydraulic, Electric Driven	6,000		B	C			S
Pump - Suction Boost, Electric Driven	6,000		B	C			S
Pressure Transmitter	12,000		B	C			S
Reservoir	OC	A	B	C			S
Snubber - Pressure Line	OC			C			
Switch - Low Pressure Warning	OC			C			
Valve - Interconnect	OC			C			
Valve - Inline Relief, Case Drain	OC			C			
Valve - Motor Operated, Shut-Off	12,000			C			
Valve - Pressure Relief (3560)	12,000			C			
Valve - Pressure Shut-Off	12,000			C			S
Valve - Solenoid Operated, 3-way	12,000			C			
Valve - Solenoid Operated, 4-way	12,000			C			
Valve - Drain Line Shut-Off	OC			C			
Ice and Rain Protection, Chapter 30	OC	A	B	C			S

Auto-Transformer, Windshield Heat	OC	C
Box, Control, Windshield Heat	OC	C
Control Box, Temperature Sensing		
Rain Removal	6,000	C
Controller, Temperature, Empennage		
De-Icing System	OC	C
Detector, Ice	OC	C
Nozzle, Rain Removal	OC	C
Sensor, Temperature Control, Wing		
Anti-Ice	OC	C
Switch, Overheat, Wing Anti-Ice	OC	C
Valve, Drain, Windshield Rain		
Removal	OC	C
Valve, Modulating, Wing Anti-Ice	12,000	C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

Ice and Rain Protection, Chapter 30 Continued	Overhaul Period	Inspection and Check Period	
Valve, Pressure Regulating and Shut-Off, Rain Removal	12,000	C	
Valve, Pressure Relief, Rain Removal Duct	OC	C	
Valve, Shut-Off, Rain Removal	12,000	C	
Windshield, NESA	OC	A B C	
 Instruments, Chapter 31	 OC	 A B C	 S
Accelerometer	12,000	A B C	
Accelerometer, Sensor, Flight Recorder	3,000	C	
 Clock	 OC	 A B C	
Recorder, Flight	3,000	A B C	
 Landing Gear, Chapter 32	 OC	 A B C 6C	 S ST
Actuator, MLG Downlock	12,000	A B C	
Actuator, NLG Steering	9,000	A B C	
Actuator, NLG Up-Down Lock	12,000	A B C	
Actuator, Uplock, MLG	12,000	A B C	
Assembly, MLG	9,000	A B C	
Assembly, NLG	9,000	A B C	
Brake Assembly, MLG	OC	A B C	
Control Box, Anti-Skid	3,000	B C	
Control Box, Touchdown	6,000	B C	
Control Panel, Landing Gear	OC	A B C	

Cylinder, MLG Actuating	6,000	A B C
Cylinder, NLG Actuating	12,000	A B C
Detector, Anti-Skid	6,000	C
Fuse, Hydraulic Brake	12,000	B C
Horn, Warning	OC	A B C
Indicator, Brake Pressure	OC	A B C
Indicator, Panel, Bogie Position	OC	A B C
Relay, MLG Up and Locked @	OC	C
Relay, Touchdown	OC	C
Tire, MLG	OC	A B C
Tire, NLG	OC	A B C
Transmitter, Pressure, Brake	12,000	B C
Uplock, MLG	12,000	A B C
Valve, By Pass, Manual	OC	C
Valve, Control, Dual Brake Anti-Skid	6,000	C
Valve, Downlock Selector, MLG	12,000	B C
Valve, Dual Metering Brake (Pilot)	12,000	B C
Valve, Flow Regulation, MLG	OC	C
Valve, Flow Regulation, NLG	OC	C
Valve, Main Brake Metering	12,000	C
Valve, Pressure Relief (1200)	12,000	C 6C
Valve, Selector, Brake	12,000	C
Valve, Selector, MLG	12,000	C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

	Overhaul Period	Inspection and Check Period
Landing Gear, Chapter 32 Continued		
Valve, Selector, NLG	12,000	C
Valve, Selector, NLG Emergency, Manual	OC	C
Valve, Shutter, Brake	OC	C
Wheel, MLG	OC	A B C Note (1)
Wheel, NLG	OC	A B C Note (1)

Note (1): Visually inspect at each tire change and perform non-destructive inspection at each 15th tire change.

Lights, Chapter 33	OC	A B C	ST
Control - Master Caution, Annunciator	OC	A B C	ST
Light, Anti-Collision	3,000	A B C	ST
Light, Emergency Exit	6,000	A B C	ST
Light, Landing	3,000	A B C	ST

Lights, Navigation	OC	A B C	ST
Navigation, Chapter 34	OC	A B C 2C	S
Altimeter - Pressure	6,000	A B C 2C	S
Amplifier - Slaving, Gyro Compass	3,000	B C	S
Amplifier - Airspeed - Mach Number	3,000	B C	S
Amplifier - Altitude - Vertical Speed	3,000	B C	S
Amplifier - Servo Gyro Compass	3,000	B C	S
Amplifier - Audible Warning	OC	B C	S
Compass - Magnetic, Pilots Standby	OC	B C	S
Computer - Central Air Data	1,000	B C	S
Computer - Flight Director	3,000	B C	S
Controller - Gyro Compass	3,000	A B C	S
Flux Valve and Compensator	3,000	B C	S
Generator - Audible Warning	OC	B C	S
Gyro-Directional	2,000	B C	S
Gyro-Rate Switching	3,000	B C	S
Gyro-Vertical	2,000	B C	S
Indicator - Attitude Director	2,000	A B C	S
Indicator - Airspeed, Mach Number	3,000	A B C 2C	S
Indicator - Airspeed, Standby	6,000	A B C 2C	S
Indicator - Altitude, Vertical Speed	3,000	A B C	S
Indicator - BDHI	2,000	A B C	S
Indicator - Horizontal Situation	2,000	A B C	S
Indicator - Total Air Temperature	OC	A B C	S
Keyer, Audible Warning (Underspoiler Speed Warning)	OC	B C	S
Power Supply - Gyro Compass	3,000	B C	S
Probe - Total Air Temperature	OC	A B C	S

Rack - Gyro Compass	OC	B C	S
Sensor - Rate of Turn	2,000	B C	S
Tube - Pitot Static	OC	A B C 2C	S

Requirements for additional equipment may be determined by assigned inspector.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

	Overhaul Period	Inspection & Check Period
Oxygen Chapter 35	OC	A B C S
Oxygen Cylinder Assembly	*	A B C S
Pressure Reducer	5 years	A B C S

Gage - Remote Pressure	6,000	A B C	S
Mask, Oxygen	OC	A B C	
Oxygen Cylinder - Portable	*	A B C	S
Regulator, Oxygen	6,000	A B C	S

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Pneumatic System, Chapter 36	OC	A B C	2C
Indicator-Pressure, Bleed Air Manifold	12,000	A B C	2C
Transmitter-Pressure, Bleed Air Manifold	12,000		C 2C
Valve - Shut-Off, Bleed Air	6,000		C 2C

Auxiliary Power, Chapter 49	OC	A B C	S
Auxiliary Power Plant	** E.T.I. 1250	A B C	S
	or		Note 1
	5,000 Starts		

Tank, Oil, APU	OC	A B C	
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\*\* Note 1: Whichever occurs first.

Doors, Chapter 52	OC	A B C	2C 6C S ST
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Actuator, Cargo Ramp	12,000	A B C	
Actuator, Pedal Door and Ramp Lock	12,000	A B C	

Actuator, Pressure Door	12,000	A B C	
Actuator, Pressure Door Down Lock	12,000	A B C	
Actuator, Pressure Door Up Lock	12,000	A B C	
Central Gear Box Assy., Pedal Door Actuator	12,000	A B C	
Jack Screw Assembly, Pedal Door Actuator	12,000	A B C	
Valve, Flow Regulation	12,000	B C	
Valve, Pressure Door, Selector	12,000	B C	
Valve, Pressure Reducing, Cargo Ramp	12,000	B C	
Valve, Selector, Door Locks	12,000	B C	
Valve, Shuttle, Ramp Lock & Pressure Door	12,000	B C	

Fuselage, Chapter 53	Structural inspection requirements are as specified in Parts I, III, and IV of Lockheed Service Publication SMP No. 231 dated June 1, 1967.
Nacelles, Chapter 54	
Stabilizers, Chapter 55	
Windows, Chapter 56	
Wings, Chapter 57	

Power Plant, Chapter 71	OC	A B C EC	S
Mount, Engine	EC	B C EC	S

Cowling	OC	A B C EC
Firewall	OC	B C EC

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

	Overhaul Period	Inspection and Check Period
Engine - Turbine, Chapter 72	OC	A B C EO S
Engine, Turbo Fan P&W TF-33-P7/ JT3D-5A	4,000	A B C EO S Note I

Note I: Major Inspection at  
2,000 hours.

Engine Fuel and Control, Chapter 73		A B C EO
Actuator, Fuel Shut-Off	EO	B C
Control, Fuel	EO	B C

Filter Assembly, Fuel De-Icing	OC	B C EO
Heater, Fuel De-Icing	EO	B C
Indicator, Engine Fuel Inlet Temperature	12,000	A B C
Indicator, Fuel Flow	2,000	A B C
Pump, Fuel	EO	B C
Switch, Differential Pressure	OC	B C EO/FC
Switch, Inlet Pressure	OC	B C EO/FC
Transmitter, Rate of Flow, Fuel	2 EO	B C
Valve Assembly, Fuel Pressurization and Dump	EO	B C

Ignition, Chapter 74		A B C EO
Cable, Exciter, Electrical Power	EO	B C
Cable, Special Purpose	EO	B C
Exciter, Ignition	EO	B C
Plug, Igniter	OC	C EO

Engine Air, Chapter 75		A B C EO
Actuator, Compressor Bleed	EO	B C
Regulator, Anti-Icing Air	EO	B C
Regulator, Duct Seal Pressure	OC	B C EO/FC
Regulator, Pressure, CSD Oil Tank	OC	B C EO/FC
Valve and Actuator Assembly, Anti-Icing Air	EO	B C
Valve Assembly, Breather Pressurizing	EO	B C

Valve, Bleed Air Shut-Off	EO	B C		
Valve, Check, Duct Seal Pressure	OC	B C EO/FC		
Valve, Compressor Bleed	EO	B C		
Valve and Control Assembly, Compressor Bleed	EO	B C		
Valve, Nacelle Preheat	OC	B C EO/FC		
Valve, Nose Cowl Anti-Ice	OC	B C EO/FC		
Valve, Shut-Off, Compartment Cooling (Zone I)	OC	B C EO/FC		
Valve, Shut-Off, Compartment Cooling (Zone II)	OC	B C EO/FC		
Engine Controls, Chapter 76		A B C EC		ST
Power Lever System, Cables, Pulley, Rods and Linkages	OC	B C EC		ST
Tension Regulator, Throttle	OC	EC		

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED MODEL 300 (C-141A)

	Overhaul Period	Inspection and Check Period
Engine Indicating, Chapter 77		A B C 2C S
Converter, Engine Instrument	3,000	B C
Generator, Tachometer	EO	B C
Indicator, Engine Pressure Ratio	2,000	A B C 2C
Indicator, Engine Vibration	6,000	A B C
Indicator, Exhaust Gas Temperature	2,000	A B C 2C
Indicator, Tachometer	2,000	A B C
Pick-Up, Engine Vibration	EO	C
Transmitter, Pressure Ratio	EO	C 2C
Exhaust, Chapter 78		A B C EO S
Actuator, Thrust Reverser	2EO	A B C EO
Control, Thrust Reverser	2EO	B C EO
Door, Thrust Reverser	OC	A B C EO
Filter, Thrust Reverser	OC	B C EO
Nozzle Assembly, Primary Exhaust Pump, Thrust Reverser	EO 2EO	A B C B C EO
Telescopic Unit, Thrust Reverser	OC	A B C EO
Valve, Flow Regulator, Thrust Reverser	OC	B C EO
Valve, Relief	OC	B C EO/FC
Engine Oil, Chapter 79		A B C EO S

Bulb, Temperature	OC	C EO
Cooler Assembly, Fuel Oil Coolant	EO	B C
Heat Exchanger, Air-Oil	EO	B C
Indicator, Engine Oil Temperature	6,000	A B C
Indicator, Oil Pressure	6,000	A B C
Pump Assembly, Oil	EO	C
Strainer Assembly, Oil, Main	OC	C EO
Switch, Low Oil Quantity	OC	C EO
Switch, Oil Pressure	OC	C EO
Tank Assy., Lubricating Oil	EO	B C
Transmitter, Oil Pressure	EO	B C
Valve, Oil Pressure Relief	EO	C
Starting, Chapter 80	OC	A B C EO
Starter, Engine	EO	B C
Valve, Pressure Regulating	EO	B C

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 FIGURE 31. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - LOCKHEED JETSTAR - MODEL 1329

UNITED STATES OF AMERICA  
 FEDERAL AVIATION AGENCY  
 WASHINGTON

Form Approved.  
 Budget Bureau  
 No. 04-R075.

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE - GENERAL  
 LOCKHEED JETSTAR - MODEL 1329

Aircraft shall not be utilized in air carrier or commercial operations unless:

- a. The aircraft and its component parts, accessories and appliances are maintained in an airworthy condition in accordance with the operator's maintenance manual. Such manual shall at least include the methods, procedures and limitations contained in the Lockheed JetStar Handbook of Operating and Maintenance Instructions.
- b. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in accordance with the maximum time limits hereinafter set forth for the accomplishment of the overhaul, periodic inspection, and routine checks of the aircraft and its component parts, accessories, and appliances.

- c. OC "On Condition" items will be maintained in continuous airworthy condition by periodic and progressive inspections and checks, services, repair and/or preventive maintenance and are appropriately described in the operator's maintenance manual.
- d. Parts or sub-components not listed herein will be checked, inspected and/or overhauled at the same time limits specified for the component or accessory to which they are related.

Abbreviations used in the JetStar Model 1329 maintenance specifications are defined as follows:

PF - Indicates "Preflight Inspection"  
FC - Indicates "Functional Check"  
BC - Indicates "Bench Check"  
EO - Indicates "Engine Overhaul"  
EC - Indicates "Engine Change"  
OC - Indicates "On Condition"  
R&R - Indicates "Remove and Replace"  
HYD - Indicates "Hydrostatic Test"  
C - Indicates "Calibration"  
ST - Indicates "Scrap Time"  
DI - Indicates "Detailed Inspection" in accordance with manufacturer's methods and procedures  
ETI - Elapsed Time Indicated

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

Preflight Inspection/Check

To be accomplished each service calendar day.

"A" Inspection/Check

To be accomplished at intervals not to exceed 80 hours time in service after the preceding "B" or "C" Inspection/Check period.

"B" Inspection/Check

To be accomplished at intervals not to exceed 160 hours time in service after preceding "B" or "C" Inspection/Check period.

"C" Inspection/Check

To be accomplished at intervals not to exceed 640 hours time in service after preceding "C" Inspection/Check period.

Special Inspections

The frequency and procedure for performing special inspections will be accomplished as specified in the operator's maintenance manual.

Overhaul and inspection/check period time limitations specified in hours and calendar time are maximum limits of

whichever occurs first.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

	OVERHAUL HOURS OR YRS.	INSPECTION & CHECK PERIOD	OTHER
Air-Conditioning, Chapter 21	10,000	PF A B C	
Actuator Emerg. Press.	2,600/5 yrs.		B C
Controller Cabin Press.	2,600/5 yrs.		B C
Control Temper- ature	OC		B C
Exchanger Heat	2,000		B C
Fan Turbine Assy.	1,200		B C
Indicator Cabin Air Temp.	5,000	PF A B C	
Indicator Cabin Rate of Climb	2,600	PF A B C	
Indicator Duel Altimeter/Diff. Press.	4,000	PF A B C	
Oil Change, Cooling Turbine	640		B C
Relay Cabin Press.	2,600/5 yrs.		B C
Regulator Cooling Fan Assy.	2,600/5 yrs.		B C
Refrigeration Assy.	3,000		B C
Valve Bleed-Air Flow Control	2,600		B C
Valve Shut-Off			

Flt. Station	2,600/5 yrs.				B C
Valve Shut-Off					
Emerg. Press.	2,600/5 yrs.				B C
Valve Shut-Off					
Engine Bleed	2,600/5 yrs.				B C
Valve Out-Flow					
Cabin Press.	1,200				B C
Valve Needle					
Cabin Press.	2,600/5 yrs.				B C
Valve Check	5,000				B C
Auto-Pilot,					
Chapter 22	10,000	PF	A		B C
Accelerometer	OC				C
Bracket Assy.					
Servo Drive	2,000/2 yrs.				B C
Coupler Engage	OC		A		B C
Computer	OC				B C (B C at "C")
Control Altitude	2,000/2 yrs.				B C
Controller	2,000/2 yrs.				B C
Drive Aileron					
Servo	2,000/2 yrs.				B C
Drive Elevator and					
Rudder Servo	2,000/2 yrs.				B C
Gyro Rate	2,000/2 yrs.				B C
Gyro Vertical	2,000/2 yrs.				B C
Communications,					
Chapter 23	10,000	PF	A		B C
To be determined					
by assigned					
inspector.					

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

	OVERHAUL HOURS OR YRS.		INSPECTION & CHECK PERIOD	OTHER
Electrical Power,				
Chapter 24	10,000	PF	A B C	
Battery	OC	PF	A B C	
Contactors,				
Generator Line	4,000		B C	
Control Panel,				
Generator	2,000	PF	A B C	

Generator, Starter	1,200			B	C	(Inspect brushes every 400 hrs.)
Inverter, Rotary	800	PF	A	B	C	
Loadmeter	4,000			B	C	
Meter Frequency	4,000	PF	A	B	C	
Relay, Battery, Series	OC	PF	A	B	C	
Relay, Inverter Input	OC	PF	A	B	C	
Relay, Inverter Output	OC	PF	A	B	C	
Voltmeter	4,000	PF	A	B	C	
Equipment/Furnishings, Chapter 25	10,000	PF	A	B	C	
Axe Fire	OC	PF	A	B	C	
Belts, Seat	OC	PF	A	B	C	
Galley	OC	PF	A	B	C	
Harness, Shoulder	OC	PF	A	B	C	
Kit, First Aid	OC	PF	A	B	C	
Lavatory	OC	PF	A	B	C	
Mask, Smoke	OC	PF	A	B	C	
Raft, Life		6 mo. PF	A	B	C	
Seats	OC	PF	A	B	C	
Vest, Life		6 mo. PF	A	B	C	
Fire protection, Chapter 26	10,000	PF	A	B	C	(Functional check every 2 1/2 years)
Actuator Explosive	OC			B	C	(Replace every 2 years)
Controller, Fire detection	OC	PF	A	B	C	
Element Sensing	OC	PF	A	B	C	
Extinguisher, Portable	*	PF		B	C	
Sphere, Fire Extinguishing	*			B	C	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

	OVERHAUL HOURS OR YRS.	INSPECTION & CHECK PERIOD			
		PF	A	B	C
Flight Controls, Chapter 27	10,000	PF	A	B	C
Actuator Flap	6 yrs.			B	C
Actuator Flap Screwjack	6 yrs.			B	C
Actuator Pitch Trim	2,000			B	C
Booster Assy. Aileron	3,000			B	C
Booster Assy. Elevator	3,000			B	C
Compensator Mach Trim	2,000/2 yrs.			B	C
Contacto Stabilizer Trim Normal	1,000			B	C
Contacto Stabilizer Trim Emerg.	2,000			B	C
Coupling Flapdrive, L.E.	5 yrs.			B	C
Gear Box Flapdrive, 120 degree	6 yrs.			B	C
Gear Box Flap	5,000			B	C
Motor Hydraulic Flap	5,000			B	C
Motor Pitch Trim Primary	1,000			B	C
Stop Hydraulic Flap	5,000			B	C
Fuel, Chapter 28	10,000	PF	A	B	C
Indicator, Fuel Quantity	2,600	PF	A	B	C
Hose, Fuel Jettison	1 yr.			B	C
Pump, Fuel Boost Main.					
P/N RR 12040B and					
P/N RR 12040E	300			B	C
P/N RR 12040D and					
P/N RR 12040F	1,000			B	C
Pump, Fuel Boost Ext. Tanks	1,200			B	C
Probes, Fuel Quantity	OC	PF	A	B	C
Valve, Motor Shutoff	5,000			B	C
Hydraulic Power, Chapter 29	10,000	PF	A	B	C
Accumulator	2 yrs.	PF	A	B	C
Bottle Air Emerg. Lndg. Gear Ext.	*	PF	A	B	C
Filter, Hydraulic Line,					
P/N AC-2768-10	OC	PF	**B		C
P/N AC-2768-101P and P/N					
AC-2768-101NBP	**OC/2,500	PF		B	C
Indicator, Hydraulic Press.	5,000	PF	A	B	C
Pump, Hydraulic Electric	3,000	PF	A	B	C
Pump, Hydraulic Engine	1,200		A	B	C
Regulator, Air Pressure	18 mo.			B	C
Reservoir, Hydraulic	OC	PF	A	B	C
Valve, Engine Shutoff	5,000			B	C
Valve, Wing Flap Selector Standby	3 yrs.			B	C

Valve, Wing Flap Selector

3 yrs.

B C

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

	@	OVERHAUL HOURS OR YRS.	INSPECTION & CHECK PERIOD	OTHER
Hydraulic Power, Chapter 29 Cont'd.				
Valve, Dual Shuttle		1,800/3 yrs.		B C
Valve, Speed Brake Selector, P/N 263-0046		2 yrs.		B C
P/N 263-0067		3 yrs.		B C
Valve, Thrust Reserver Selector		3 yrs.		B C
Valve, Air Charging/Relief	1,200			B C
Valve, Check Manual Control		5 yrs.		
Valve, Main Gear Door Selector		3 yrs.		
Ice and Rain Protection, Chapter 30	10,000		PF A	B C
Motor, Windshield Wiper	OC			B C
Valve, De-Icer Distributor		5 yrs.		B C
Valve, Pressure Regulator	2,500			B C
Instruments, Chapter 31	10,000		PF A	B C

Accelerometer, Vertical	OC		B C	(BC & C every 4,000 hrs.)
Clock	OC		PF A B C	
Encoder Trip/Data Indicator Outside	2,000		PF A B C	
Air Temp.	OC		PF A B C	
Recorder Flight Data	2,000		PF A B C	
Landing Gear, Chapter 32	10,000		PF A B C	
Actuator, Nose Gear Steering	10,000		PF A B C	
Actuator, Nose Gear Retract	10,000		PF A B C	
Actuator, Main Gear Side Brace, P/N JL/1400-9 and FL1400-11	10,000		PF A B C	
P/N JL/1400-7	6,000		PF A B C	
Anti-Skid System	OC		PF A B C	
Strut, Main Landing Gear	10,000		PF A B C	
Strut, Nose Landing Gear	10,000		PF A B C	
Tires, Landing Gear	OC		PF A B C	
Valve, Brake Selector	3 yrs.		PF A B C	
Valve, Landing Gear Control	4 yrs.		B C	
Valve, Nose Wheel Steering	3 yrs.		B C	
Valve, Steering Selector	3 yrs.		PF B C	
Valve, Brake Shuttle	1,800/3 yrs.		PF A B C	
Wheels, Landing Gear	OC		PF A B C	*
Lights, Chapter 33	10,000		PF A B C	
Battery, Emergency/ Charger	OC		PF A B C	

\* Magnaflux wheel tie bolts every third tire change, and dye or zyglo inner and outer wheel halves every "C"

check.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

	OVERHAUL	INSPECTION &				OTHER
	HOURS OR YRS.	CHECK PERIOD				
Lights, Chapter 33 Cont'd.						
Light, Anti-Collision	OC	PF	A	B	C	
Light, Landing	OC	PF	A	B	C	
Light, Navigation	OC	PF	A	B	C	
Light, Taxi	OC	PF	A	B	C	
Navigation, Chapter 34	10,000	PF	A	B	C	
To be determined by assigned inspector.						
Oxygen, Chapter 35	10,000	PF	A	B	C	
Cylinder Assy.	*		A	B	C	
Pressure Reducer	18 mo.		A	B	C	
Cylinder, Portable	*	PF	A	B	C	
Mask/Regulator						
Passenger	2 yrs.		A	B	C (FC at B)	
Mask, Crew Oxygen	2 yrs.	PF	A	B	C	
Panel Control						
Pass. Oxygen	2 yrs.		A	B	C	
Regulator Crew						
Oxygen	2 yrs.	PF	A	B	C	
Valve Pass. Mask						
Container Door						
Actuator	3 yrs.		A	B	C	
Valve Pass. Mask						
Lanyard	3 yrs.		A	B	C (FC at B)	

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 172, Chapter I, Subtitle "B" of CFR Title 49.

Drag Chute,

Chapter 39	10,000	PF	A	B	C
Parachute Assy.					
Deceleration	OC			B	C **

Airborne  
Auxiliary Power,

Chap. 49	10,000	PF	A	B	C	
Auxiliary Power Unit (Solar)	2,000 ETI	PF	A	B	C	
Panel Control Regulator	10,000					C
Starter/Generator	2,000 ETI					C (Inspect brushes every 400 hrs.)
Doors, Chapter 52	10,000	PF	A	B	C	(Visual inspect. every 5000 hrs.)
Door, Entrance	10,000	PF	A	B	C	
Hatch, Emergency	10,000	PF	A	B	C	
Cone, Nose	10,000	PF	A	B	C	

\*\* If not used within last three months, remove chute, aerate, dry and repack into container in accordance with applicable directions.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS OR YRS.	INSPECTION & CHECK PERIOD			OTHER
Fuselage, Chapter 53	10,000	PF	A	B C	(Visual inspec. every 5,000 hrs.)
D.1. Structure members at connections of  main frame at F.S. 410.5, 429.5, 450.4, 469.5 and 526 between floor level and W.L. 100.	10,000				"
D.1. Structure	10,000				"

members at F.S.  
F.S. 232 thru  
277, 410, 526  
to 539 R&R as  
required.

D.1. Structure 10,000 "  
members at F.S.  
570, 589, and  
608.

D.1. All main 10,000 "  
frames for  
distortion,  
corrosion and  
cracks.

D.1. Center 10,000 "  
fuselage upper  
and lower  
structure FS  
257 to 270 for  
distortion,  
corrosion and  
cracks.

D.1. Forward 10,000 "  
upper and lower  
fuselage section  
F.S. 158 to 270  
for distortion,  
corrosion, and  
cracks.

D.1. Aft 10,000 "  
fuselage  
upper and  
lower section  
for corrosion,

distortion, and  
cracks.

D.1. Nose and 10,000 "  
equipment  
support  
structure  
for  
distortion,  
corrosion, and  
cracks.

D.1. Window frames for stress bulges, cracks, and corrosion.	10,000	"
D.1. Engine nacelle mount yoke	10,000	"
D.1. Empennage upper, lower and center vertical box structure for distortion, corrosion, and cracks.	10,000	(Visual inspec. every 2,500 & 5,000 hrs.)

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

	OVERHAUL HOURS OR YRS.	INSPECTION & CHECK PERIOD	OTHER
Nacelle/Pylons, Chapter 54	10,000	PF A B C	EC
D.1. Engine mount structure box beam and frames at N.S. 51.5 and 100.	10,000		(Visual inspec. every 5,000 hrs.)
D.1. Nacelle attach bolts and bolts and fittings.	10,000		"
Stabilizer, Chapter 55	10,000	PF A B C	"
D.1. Elevator Hinge Bolts	10,000		"
D.1. Elevator Counterbalances	10,000		"
D.1. Elevator	10,000		"

Spar					
D.1. Elevator	10,000				"
Ribs					
D.1. Horizontal	10,000				"
Stabilizer					
Front Spar and					
Ribs					
D.1. Rudder	10,000				"
Hinge Bolts					
D.1. Rudder	10,000				"
Counterbalances					
D.1. Rudder	10,000				"
Hinge Pins					
D.1. Rudder	10,000				"
Spar					
D.1. Vertical	10,000				"
Stabilizer Aft					
Hinge Pins,					(Visual inspec.
Forward Center					& magnaflux
and Aft Scissors					every 5,000
Joint Bolts					hrs.)
Windows,					
Chapter 56	10,000		PF	A B C	
Glass, All					
Wings,					
Chapter 57	10,000		PF	A B C	
D.1. Wing to	10,000				(Visual inspec.
Fuselage Attach					at 5,000 hrs.)
Bolts at Left					
and Right Attach					
Frames at F.S.					
410 and 430 for					
Distortion,					
Corrosion, and					
Cracks					
D.1. Visually		3 yrs.			
Inspect Fuel					
Tank Interior					
for Corrosion,					
Cracks, & Con-					
dition.					
D.1. Wing	10,000				(Visual inspec.
forward, center,					every 5,000
and aft spars					hrs.)
for distortion,					
corrosion, and					
cracks.					

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

	OVERHAUL HOURS OR YRS.	INSPECTION & CHECK PERIOD	OTHER
Wings, Chapter 57, Cont'd.			
D.1. Root rib and sheer fittings for distortion, corrosion, and cracks.	10,000		(Visual inspec. every 5,000 hrs.)
D.1. Aileron hinges and attach fittings.	10,000		"
D.1. Aileron Hinge Bolts	10,000		"
D.1. Aileron Counterbalance	10,000		"
weights			
D.1. Wing Trailing Edge Alignment pins	10,000		"
D.1. Trim Tab Control Hinges and Fittings	10,000		"
D.1. Wing Trailing Edge Flap Hinges and Attach Fittings	10,000		"
D.1. Forward Support Assembly and Auxiliary Beam (Remove Landing Gear)	10,000		"
D.1. Main Landing Gear Mounting Bolts	10,000		"
Powerplant			

General, Chapter 71 Mount Assembly		PF	A	B	C	
Engine	EO			B	C	
Engine, Chapter 72 Engine P&W		PF	A	B	C	
JT12A-6A	1,500	PF	A	B	C	
Hot Section Inspection						750 hrs.
Engine P&W JT12A-8	1,200 *	PF	A	B	C	
Hot Section Inspection						600 hrs.**

\* Sample overhaul the number of engines specified below at 1,000 hrs. to substantiate 1,200 hrs. T.B.O.

\*\* Perform the number of hot section inspections specified below at 400 hrs. to substantiate 600 hrs. hot section inspection frequency.

Number of engines	O.H.
1-4	1
5-9	2
10-21	3
22-61	4
62-100	5
102 & Above	6

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LOCKHEED JETSTAR - MODEL 1329

	OVERHAUL HOURS OR YRS.	INSPECTION & CHECK PERIOD	OTHER
Engine Fuel and Control, Chapter 73		PF	A B C
Transmitter Fuel Flow	EO		B C
Indicator Fuel Flow	3,600	PF	A B C
Fuel Control			

Engine	EO		B	C	
Fuel Pump					
Engine	EO		B	C	
Ignition,					
Chapter 74		PF	A	B C	EC
Exciter	EO			B C	
Harness Assembly	EO			B C	
Plug Igniter	OC			B C	
Air, Chapter 75		PF	A	B C	EC
Bleed Valves					
Engine Mounted	EO			B C	
Bleed Air Ducts					
Engine Mounted	EO			B C	
Engine Controls					
Chapter 76		PF	A	B C	EC
Throttle Quadrant	OC	PF	A	B C	
Linkages and					
Pulleys	OC	PF	A	B C	
Engine Indicating,					
Chapter 77		PF	A	B C	EC
Generator					
Tachometer	3,000	PF	A	B C	
Indicator					
Tachometer	3,000	PF	A	B C	
Indicator Pressure					
Ratio	5,000	PF	A	B C	
Indicator E.G.T.	5,000	PF	A	B C	
Transmitter E.P.R.	3,000		A	B C	
Exhaust,					
Chapter 78		PF	A	B C	EC
Actuator Thrust					
Reverser	OC	PF	A	B C	
Reverser Thrust					
Assy.	1,800			B C	
Oil, Chapter 79		PF	A	B C	EC
Indicator Oil					
Pressure	3,000		A	B C	
Indicator Oil					
Temperature	5,000		A	B C	
Transmitter Oil					
Pressure	EO		A	B C	

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FIGURE 32. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
- SHORT TURBO-SKYVAN (SC-7)

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved.  
Budget Bureau  
No. 04-R075.

PART D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
SHORT TURBO-SKYVAN

Thorough checks shall be accomplished at the following inspection periods and in accordance with the applicable procedures listed in ABC Airlines' Maintenance Manual.

INSPECTION PERIODS

- A. Daily inspection to be accomplished before first flight each day.
- B. Inspection to be accomplished each 75 hours of aircraft time in service.
- C. Inspection to be accomplished each 300 hours of aircraft time in service.
- D. Inspection to be accomplished each 600 hours of aircraft time in service.
- E. Inspection to be accomplished each 900 hours of aircraft time in service.
- F. Inspection to be accomplished each 1200 hours of aircraft time in service.

Other repetitive inspections and special sampling programs are specified in notes.

Where a calendar time is quoted as an alternative to aircraft time in service for overhaul, inspection or sampling; that which expires first shall be taken as the time at which the action called for is carried out.

Abbreviations used in the Short Turbo-Skyvan Maintenance Specifications are defined as follows:

EO = engine overhaul  
 OC = on condition  
 YRS = years

Note: Inspection and overhaul periods for familiar aircraft parts, attachments, accessories and/or other items not specifically listed in this Standard Maintenance Specification, may be determined by the assigned inspector. Where this is not done, parts or subcomponents which are not listed, will be checked, inspected and/or overhauled at the same time limits specified for the component or accessory to which such parts or subcomponents are related.

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 SHORT TURBO-SKYVAN

	OVERHAUL HRS. OR YRS.	INSPECTION AND CHECK PERIOD					
		PERIODIC	OTHER				
Air Conditioning, Chapter 21	10,000	A	B	C	D	E	F
Manual Regulator Valve	3,000/3 yrs.						F
Compressor Bleed Valves, Rigid and Flexible Lines	10,000		C				Note 1
Autopilot, Chapter 22	May be determined by assigned inspector.						
Communications, Chapter 23	May be determined by assigned inspector.						
Electrical Power, Chapter 24	10,000	A	B	C	D	E	F
Undervoltage Unit Transistorized Inverter	OC						E
Contactor, Battery	6,000/5 yrs.						F
Starter Generator	EO		B				
Magnetic Indicator	OC	A					F
Battery	OC		B				
Differential Relay	1,200			C			

Overvoltage Protector	1,000		C		
Contactors, Cross Couple		5 yrs.			F
Voltage Regulator	1,000		C		

Equipment & Furnishings, Chapter 25  
 May be determined by assigned inspector.

Fire Protection, Chapter 26	10,000		A	B	C	D	E	F
Detector Elements	EO			B				F

Extinguisher - Engine	*		A					Note 2
Cartridge Unit		2 yrs.		B				

\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Flight Controls, Chapter 27	10,000		A	B	C	D	E	F
Position Indicator System	6,000		A		C			
Cables, Turnbarrels, Pulleys Pushrods, Sprockets & Chains	OC							F Note 3

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 SHORT TURBO-SKYVAN

	OVERHAUL HRS. OR YRS.	INSPECTION AND CHECK PERIOD PERIODIC	OTHER
Fuel System, Chapter 28	10,000	A B C D E F	
Flex Tanks	4 Yrs.	A	F Note 4
Vent Valve	OC		F
Collector Tank	10,000	A	Note 5
Booster Pump	1,000	B	
Filter	OC	A	F Note 6
Pressure Switch	3,000/2 Yrs.		F

Tank Units	4 Yrs.	A	Note 4
Hydraulic System, Chapter 29	10,000	A B C D E F	
Power Pack	5,000	A B C	
Emergency Accumulator	5,000	A B C	
Filter	OC		Note 6
Pressure Switch	2,000	A	F
Vent Valve	2,000		F

Ice & Rain, Chapter 30	10,000	A B C D E F	
De-Icer Boots	OC	A B	
Distributor Valve	2,400	B C	
Electronic Timer	2,400	C	
Regulating & Relief Valves	2,400		F Note 7
Air Intake Anti- Icing Valve	1,200	C	
Contactors, Prop Anti-Icing	5,000		E
Cyclic Timer	1,800		E

Instruments,  
Chapter 31  
May be determined  
by assigned  
inspector.

Landing Gear, Chapter 32	10,000	A B C D E F	
Main Leg Assembly	10,000	A B C	Note 8
Shock Absorber	10,000	A B C	Note 8
Steering Jack	5,000	A C	
Nose Gear Leg Assembly	10,000	A B C	Note 8
Brake Control Valve	5,000	A C	
Pressure Reducing Valve	5,000	A C	
Brake Master Cylinder	5,000	A B C	
Pressure Relay	2,400	C	
Wheels, Tires and Brakes	OC	A B C	

Lights, Chapter 33  
May be determined  
by assigned  
inspector.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

SHORT TURBO-SKYVAN

	OVERHAUL HRS. OR YRS.	INSPECTION AND CHECK PERIOD PERIODIC	OTHER
Navigation, Chapter 34			
May be determined by assigned inspector.			

Oxygen, Chapter 35 Cylinders	*		
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\* Hydrostatic and life limits shall be entered here and shall not exceed those set forth in Part 173, Chapter I, Subtitle "B" of CFR Title 49.

Doors, Chapter 52	10,000	A B C D E F	
Passenger/Crew Doors and Frames	10,000	A B C	Note 9
Ditching Hatch & Frames	10,000	A B C	Note 9
Rear Cargo Door & Frame	10,000	A B C	Note 9
Fuselage, General, Chapter 53	10,000	A B C D E F	
Skin, Outside Surfaces	OC	A B C	
Internal Structure Including Windows & Frames	10,000	C	Note 9 & 10
Floor Panels (Cabin)	10,000	A	F Note 9
Floor Panels (Flight Deck)	10,000	A	F Note 9
MLG Attach Fittings & Structure	Note 12	C	Note 12
NLG Attach Fittings & Structure	10,000	C	Note 9
Nose Fairing	OC	A C	
Main Spars - Stub Wings	Note 12		F Note 12
Nacelle Structure, Chapter 54	10,000	A B C D E F	
External Structure	OC	A B	

Internal Structure	EO	C		
Attach Fittings & Structure	10,000		F	Note 11

Stabilizers and Stabilizer Control Surfaces, Chapter 55	10,000	A B C D E F		
Exterior Surfaces, Stabilizers	OC	A B C		
Interior Structure, Stabilizers	10,000		E	Note 9
Exterior Control Surfaces	OC	A C		
Interior Control Surface Structure	10,000		E	Note 9
Attach Fittings & Hinges	10,000		F	Note 9

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SHORT TURBO-SKYVAN

	OVERHAUL HRS. OR YRS.	INSPECTION AND CHECK PERIOD PERIODIC	OTHER
Windows, Chapter 56	10,000	A B C D E F	
DV Window Lock Mechanism	OC	A C	
Wings, Chapter 57	10,000	A B C D E F	
Exterior Surfaces	OC	A B C	
Interior Structure	10,000		F Note 9
Wing Strut Exterior Surface	OC	A B C	
Wing Strut Internal	10,000		F Note 9
Wing Fuselage Attachments	10,000		F Note 11
Attachment Strut/ Wing	10,000	C	Note 11
Aileron & Tab Exterior Surfaces	OC	A B C	
Aileron & Tab Internal			

Structure	10,000			E	Note 9		
Flaps Exterior Surface	OC	A	B	C			
Flaps Interior Structure	10,000			E	Note 9		
All Hinges & Brackets	10,000	A		C	Note 9		
Propeller, Chapter 61	750	A	B	C			
Propeller FH 76	750	A	B	C			
Propeller Hub	750	A	B	C			
Engine, Chapter 72	750	A	B	C			
Astazou XII	750	A	B	C			
Engine Controls, Chapter 76	10,000	A	B	C	D	E	F
Cables, Turnbarrels and Pulleys Aft of Firewall	10,000					C	Note 3
Prop Contactor Box	EO					B	
Automatic Control Box	EO					B	
Power Limiter	EO					B	
Leak Valve	EO					B	
Speed Governor	EO					B	
Pitch Motor	EO					B	
Prop Microswitch Assembly	EO					B	
Emergency FFP Stop Switch	EO					B	
Engine Indicating, Chapter 77	10,000	A	B	C	D	E	F
Power Indicator Potentiometer	OC	A					F
Percent Power Indicator	6,000	A					F
Jet Pipe Temp. Indicator	6,000	A					F
Exhaust, Chapter 78	EO	A	B	C			
Engine Oil, Chapter 79	EO	A	B	C			

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SHORT TURBO-SKYVAN

- Note 1 Remove lagging at 2,500 and 5,000 hours for sample inspections in accordance with factory instructions.
- Note 2 Weigh bottles each 3 months. Hydrostatic test each 5 years.
- Note 3 Check cable tension each year.
- Note 4 Check tank quantity indicator capacitance units and internal surfaces of flex tanks every 2 years.
- Note 5 Check collector tank and negative "G" valve-vent, in accordance with factory instructions, when booster pump is changed.
- Note 6 Replace filter elements at times specified by factory.
- Note 7 Sample overhaul 1 valve at 1,200 hours.
- Note 8 Sample overhaul main gear and nose gear assemblies at 5,000 hours in conjunction with Note 11.
- Note 9 Sample overhaul of structure in accordance with factory instructions at 5,000 hours or 5 years.
- Note 10 Remove windows and skin access panels in accordance with factory instructions every 5,000 hours or 5 years in order to check for corrosion of skin and skin corrugations.
- Note 11 Remove and inspect sample bolts and/or pins in accordance with factory instructions every 5,000 hours.
- Note 12 Check for fatigue damage in accordance with factory instructions initially at 12,000 landings and each 2,000 landings thereafter until a total of 20,000 landings, then every 1,000 landings.

Effective date \_\_\_\_\_

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 FIGURE 33. OPERATIONS SPECIFICATIONS AIRCRAFT MAINTENANCE  
 - SIKORSKY S-61L/N HELICOPTER

UNITED STATES OF AMERICA  
 FEDERAL AVIATION AGENCY  
 WASHINGTON

Form Approved.  
 Budget Bureau  
 No. 04-R075.

Part D

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	9,000	
Heater Assembly	2,000	
Ducting, Heater Compartment	O.C.	
Fuel Control Assembly, Heater	2,000	
Blower, Cabin Ventilation	2,500	
Relay, Blower, Heater	O.C.	
Relay Heater, Ventilation Blower	O.C.	
Relay, Heater Overheat	O.C.	
Control Unit, Heater	2,000	
Valve, Heater Fuel Shut-off	2,000	
Sensing Elements, Cabin Air	O.C.	
D.C. Motor, Cabin Air Sensing	1,500	
Ignition Unit	2,000	
Switch, Air Ram Pressure	O.C.	
Switch, Thermal Overheat	O.C.	
Switch, Fan Thermal Overrun	O.C.	
Switch, Thermal Cycling	O.C.	
Switch, Outside Air Temperature	O.C.	
Sensing Element, Heater Discharge	O.C.	
Light, Warning	O.C.	
Circuit Breakers	O.C.	
Switches	O.C.	
Rheostat, Temperature Selector	O.C.	
Wiring and Connections	O.C.	
Ducting Installation, Cabin	9,000	
Air Vent Installation, Cabin	9,000	
Ducting Installation, Cockpit	9,000	
Lines and Fittings, Fuel (Airframe)	O.C.	
Relay, Time Delay	O.C.	Functional Check

Valve, Backfire O.C.

Automatic Flight Control System, Chapter 22  
 May be determined by the assigned inspector.

Communications System, Chapter 23  
May be determined by the assigned inspector.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Electrical Power, Chapter 24	9,000	
Power System DC		
Battery	O.C.	
Relay, Battery	O.C.	
Regulator, Voltage (DC)	1,200	
Relay, Over Volt Field Control	1,200	
Generator/Motor	1,000	
Relays, Reverse Current	2,000	
Relay, External Power (DC)	O.C.	
Relay Motorizing	2,000	
Transformer Rectifier	1,500	
Receptacle, External Power (DC)	O.C.	
Support, Battery Vibration Absorber	1,000	
Power System AC		
Generators (AC)	1,500	
Brushless Type (AC)	2,500	
Regulators, Voltage (AC)	1,200	
Panels, Supervisory (AC)	1,200	
Line Contactors, Generators (AC)	2,000	
Relays, External (AC)	O.C.	
Relay, External Power Interlock	O.C.	
Contactor, Emergency Essential Bus	2,000	
Inverter	1,000	
Receptacle, External Power	O.C.	
Transformers, Power Step-Down	O.C.	
Test Receptacle, AC/DC	O.C.	
AC & DC Systems		
Wiring and Connections	O.C.	
Switches	O.C.	
Circuit Protectors	O.C.	
Relay, Inverter	O.C.	
Lights, Warning	O.C.	
Static Discharge Wicks	O.C.	
Relay, Inverter Transfer	O.C.	

Equipment and Furnishing, Chapter 25	9,000
First Aid Kits	
Cabin, Passenger	O.C.
Cockpit	O.C.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Seats - Cockpit		
Seat Belts	O.C.	
Shoulder Harnesses and Reels	9,000	
Seats	9,000	
Seats - Passenger Cabin		
Seat Belts	O.C.	
Seats and Attachments	9,000	
Cabin Interior		
Upholstery	O.C.	
Partition, Cabin Movable	O.C.	
Fire Protection, Chapter 26	9,000	
Fire Detection System - Engine		
Control Units, Fire detection	O.C.	
Sensing Loops and Fittings **	O.C.	Functional Check
Lights, Warning	O.C.	
Wiring and Connections	O.C.	
Circuit Protectors	O.C.	
Switches	O.C.	
Fire Extinguisher - Head		
Cabin	O.C.	
Cockpit	O.C.	
Fire Extinguisher System - Engine *	Engine Change	
Lines and Nozzles *	O.C.	
Handles, Fire Control	O.C.	
Switch, Fire Extinguishing	O.C.	
Container and Valve Assembly	O.C.	
Wiring and Connectors	O.C.	
Indicator, Thermal Discharge	O.C.	
Supports, Fire Extinguisher		

Container O.C.

\* Directional Flow Check (Nitrogen or Smoke Source)

\*\* Functional Check - Scheduled Engine Change  
Using Jetcal Analyzer or Per Sikorsky Maintenance Manual

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Fuel System, Chapter 28	9,000	
Tub Section		
Tanks, Fuel	9,000	
Fuel Lines, Fittings	9,000	
Pumps, Booster	1,200	
Ejectors	9,000	
Fuel Filter, Airframe	9,000	
Valves, Manual Shut-off	9,000	
Valve, Cross-feed	9,000	
Pressure Switch, Pump Failure	9,000	
Vents, Fuel Tanks	9,000	
Drain Sumps	9,000	
Valves, Fuel Drain	9,000	
Cabin Section Firewall		
* Valves, Fuel Shut-off	9,000	Functional Check
Pressure Switches, Fuel Shut-off	9,000	
Pressure Fueling System		
Valves, High Level Shut-off	9,000	
Adapter, Fueling and Defueling	9,000	
Valve, Fueling and Defueling	9,000	
Float Switches, Intermediate		
Level Selector	O.C.	
Lines and Fittings, Fueling Adaptor	9,000	
Electrical System		
Switches	O.C.	
Circuit Protectors	O.C.	
Lights, Warning	O.C.	
Wiring and Connections	O.C.	
Wiring & Conduits (Tank Cells)	O.C.	
Lights, Preset	O.C.	

\* Functional Check at Engine Change

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Hydraulic Power, Chapter 29	9,000	
Primary Servo System		
Reservoir	O.C.	
Pump	2,000	
Manifold Assembly (Includes 6 Items)	2,000	
Relief Valve		
Three-Way Solenoid Valve		
Filter (Pressure)		
Restrictors (By-Pass)		
Pressure Switch		
Snubber		
Check Valves	O.C.	
Hoses, Lines and Fittings	O.C.	
Switch, Servo Shut-off	O.C.	
Wiring and Connections	O.C.	
Lights, Warning	O.C.	
Circuit Protectors	O.C.	
Auxiliary Servo System		
Reservoir	O.C.	
Pump	2,000	
Manifold Assembly (Includes 6 Items)	2,000	
Relief Valve		
Three-Way Solenoid Valve		
Filter (Pressure)		
Restrictors (By-Pass)		
Pressure Switch		
Snubber		
Check Valves	O.C.	
Wiring and Connections	O.C.	
Switches, Stick Trim	O.C.	
Light, Warning	O.C.	
Filter, Auxiliary Servo	O.C.	
Ice and Rain Protectors, Chapter 30	9,000	
Windshield Wiper System		

Motor, Wiper	O.C.
Converters	O.C.
Arms and Blades, Wiper	O.C.
Wiring and Connections	O.C.
Switch	O.C.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Ice and Rain Protectors, Chapter 30 (Cont.)		
Windshield Washer System		
Reservoir	O.C.	
Surgemeter	O.C.	
Nozzles	O.C.	
Hoses, Lines and Fittings	O.C.	
Windshield Anti-Icing System		
Temperature Controller	O.C.	
Auto-Transformers	O.C.	
Windshield Panel, Electropane	O.C.	
Wiring and Connections	O.C.	
Switches	O.C.	
Pitot Tube Heater System		
Heads, Pitot Heat	O.C.	
Wiring and Connectors	O.C.	
Lights, Warning	O.C.	
Switches	O.C.	
Relays, Pitot Heater	O.C.	
Instruments, Chapter 31	9,000	
Power Plant Instruments		
Indicators, Gas Generator	O.C.	
Indicators, Power Turbine Inlet Temp.		
(Howell Instrument Co.)	O.C.	
Indicators, Oil Temperature	O.C.	
Indicators, Oil Pressure	O.C.	
Transmitters, Oil Pressure Indicator	O.C.	
Indicators, Fuel Pressure	O.C.	
Transmitters, Fuel Pressure Indicator	O.C.	

Indicators, Triple Tachometer	O.C.
Indicators, Torque Meter	O.C.
Transmitters, Torque Meter Indicator	O.C.
Miscellaneous Instruments	
Indicator, Transmission Oil Pressure	O.C.
Transmitter, Trans. Oil Pressure Ind.	O.C.
Indicator, Trans. Oil Temperature	O.C.
Indicator, Primary Hydraulic Pressure	O.C.
Indicator, Auxiliary Hyd. Pressure	O.C.
Transmitter, Aux. Hyd. Press. Ind.	O.C.
Indicator, Free Air Temperature	O.C.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Miscellaneous Instruments (Cont.)		
Ammeter-Voltmeter (DC)	O.C.	
Volt-Ammeter (AC)	O.C.	
Indicators, Fuel Quantity	O.C.	
Tank Probes, Fuel Quantity	9,000	
Control Units, Fuel Low Level	O.C.	
Sensors, Fuel Low Level	O.C.	
Wire and Connection	O.C.	
Lights, Low Level Warning	O.C.	
* Indicator, Landing Gear	O.C.	
Transmitter, Primary Hyd. Press. Ind@ @ @	O.C.	
Landing Gear, Chapter 32	9,000	
Main Gear Installation		
Strut Assemblies, Shock	5,000	
Wheels	O.C.	
Tires	O.C.	
Struts, Energy Absorbing	9,000	
Supports	9,000	
Attachment Fitting, Fuselage	9,000	
Fairing	O.C.	
Switches, Under Frequency Lockout		

Scissors	O.C.
Wiring and Connections	O.C.
* Hydraulic Pump and Motor Unit	2,000
* Hydraulic Reservoir	2,000
* Filters, Reservoir Panel	O.C.
* Relief and Control Valves	O.C.
* Plug Stat	O.C.
* Mounting and Supports	O.C.
* Lines and Fittings	O.C.
* Drag Links Upper and Lower	5,000
* Switches	O.C.
* Control Unit	O.C.
* Relays, Landing Gear	O.C.
* Relay, Pump Motor	O.C.
* Emergency Release Control	O.C.
* Shock Strut and Trunnion Assembly	5,000
* Retracting Cylinders	5,000
* Emergency Release Pin, Cables, and Pulleys	O.C.
* Uplock Cylinder	5,000
* Emergency Air Bottle	O.C.

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\* "N" MODEL ONLY

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Tail Gear Installation		
Shock Strut Installation	5,000	
Centering Cylinder	5,000	
Attachment, Fuselage	9,000	
Wheel	O.C.	
Tire	O.C.	
Control System, Tail Wheel Lock	O.C.	
Fairing	O.C.	
Wheel Brake System		
Brake Assemblies	O.C.	
Master Cylinders	9,000	
Mixing Valves, Wheel Brake	9,000	
Parking Brake Valve	9,000	
Hoses, Lines, Check Valves and Fittings	O.C.	
Lights, Chapter 33	9,000	

Light Assemblies Position	O.C.
Light Assemblies, Anti-Collision	O.C.
Light Assemblies, Retractable	
Landing	O.C.
Spot Lights, Cockpit	O.C.
Dome Light, Cockpit	O.C.
Rheostat, Emergency	O.C.
Light Assemblies, Instruments	O.C.
Rheostats	O.C.
Light, Master Warning	O.C.
Panel Assemblies, Warning Light	O.C.
Control Unit, Warning Light Dimming	O.C.
Dome Lights, Cabin	O.C.
Reading Lights, Passenger	O.C.
Lights, Cabin Emergency	O.C.
Lights, No Smoking	O.C.

Lights, Fasten Seat Belts	O.C.
Light Assemblies, Loading	O.C.
Relay, Loading Light	O.C.
Lights, Warning	O.C.
Wiring and Connections	O.C.
Switches	O.C.
Riding Light	O.C.

\* "N" MODEL ONLY

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Navigation, Chapter 34	9,000	
Flight and Navigation Instruments		
Clocks (Wakeman)	O.C.	
Indicators, Turn and Slip (Allen)	O.C.	
Instantaneous Vert. Speed Indicator (IVIS) (Specialties Corp.)	O.C.	
Indicators, Altimeter (Kollsman)	O.C.	
Indicators, Airspeed (Kollsman)	O.C.	
Compass, Magnetic (U.S. Gage)	O.C.	
Compass, C-4A or C-14A Gyrosyn System		
Amplifier, Gyrosyn Compass	O.C.	
Flux Valve and Compensator Assembly	O.C.	

Control Unit, Gyrosyn Compass	O.C.
Relay, Interlock (DC)	O.C.
Relay, Interlock (AC)	O.C.
Transformer, Power Adapter	O.C.
Gyro and Sync Assembly	O.C.
Servo Amplifier	O.C.
Annunciator	O.C.

Vertical Gyro Installation	
Indicator, Navigational Lear Model 4005A	2,500
Gyros, Roll & Pitch Lear Model 7000B	1,500

Amplifier Navig. Instrument Lear Model 5510B	O.C.
Power Adapter Airframe Supplies	O.C.
Wiring Connections	O.C.

Static & Pitot Systems	
Lines and Fittings	O.C.
Pitot-Static Mast	MGB OVHL

Doors, Chapter 52 *	9,000
Cabin	
Passenger Doors	9,000
Release, Mechanisms Door Emergency	9,000
Cargo Door	9,000
Release Mechanism, Cargo Door	9,000
Lights, Warning, Cargo and Passenger	O.C.

\* May be accomplished progressively by zones.  
(see zone table on page 12 of 15)

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Doors, Chapter 52 (Cont.)	9,000	
Hull		
Baggage Doors **	9,000	
Electronic Compartment Door	9,000	
Lights, Warning, Baggage & Electronic Door	O.C.	

Upper Fuselage	
Platforms, Engine Servicing	O.C.
Platforms, Transmission Servicing	O.C.

Electrical Systems	
Wiring & Connections, Warning	
Lights	O.C.
Switches, Warning Light	O.C.

Fuselage, Chapter 53 *	9,000
Structure, Pylon (Zone 1)	9,000
Structure, Upper Fuselage Engine	
Compartment (Zone 2)	9,000
Structure, Upper Fuselage, Main	
Gear Box Compartment (Zone 3)	9,000
Support, Main Gear Box (Zone 3)	9,000
Structure, Tail Cone (Zone 4)	9,000
Hull Structure (Zone 6)	9,000
Structure, Cockpit (Zone 7)	9,000
Structure, Electronics Compartment	
(Zone 7)	9,000
Structure, Cabin (Zone 8)	9,000
Structure, Hull (Zone 9)	9,000
Sponsons	9,000

Stabilizers, Chapter 55 *	9,000
Stabilizer Installation (Zone 1)	
Structure, Stabilizer	9,000
Attachment Fittings, Stabilizer	9,000
Support, Tube, Stabilizer	9,000

Windows, Chapter 56 *	9,000
Cockpit	
Emergency Escape Exits	9,000
Release Mechanism, Emergency	
(Airframe)	9,000
Windshields and Windows	O.C.

\*\* S-61 L Model Only

\* May be accomplished progressively by zones.  
 (see zone table on page 12 of 15)

Effective date \_\_\_\_\_

	Overhaul Period	Inspection & Check Period
Windows, Chapter 56 (Cont.)	9,000	
Cabin		
Windows *	O.C.	
Emergency Escape Exits	9,000	
Release Mechanism, Emergency (Airframe)	9,000	
Rotor System, Chapter 65	9,000	
Main Rotor Head Installation		
Blades	O.C.	
Main Rotor Head Assembly	1,250	
Azimuth Control Star Assembly	1,250	
Dampers	1,250	
Bifilar Vibration Assembly	Main Rotor Head O/H	
Tail Rotor Installation		
Blades	O.C.	
Hub Assembly	1,250	
Flight Controls		
Collective Pitch Assembly (Zone 7)	9,000	
Collective Pitch Assembly (Zone 8)	9,000	
Collective Balance Spring (Zone 7)	9,000	
Cyclic Pitch Assembly (Zone 3)	MGB O/H	
Cyclic Pitch Assembly (Zone 7)	9,000	
Cyclic Pitch Assembly (Zone 8)	9,000	
Rudder Flight Control Assembly (Zone 7)	9,000	
Mixing Unit	9,000	
Force Link Assembly	9,000	
Rudder Flight Control Assembly (Zone 1)	9,000	
Rudder Flight Control Assembly (Zone 4)	9,000	
Rudder Flight Control Assembly (Zone 8)	9,000	
Rudder Pedal Adjusting Installation (Zone 7)	9,000	
Negative Force Gradient Spring Assembly	9,000	
Primary Servos	1,250	
Auxiliary Servo with Beeper Trim Valves	1,250	
Rudder Control Cables	O.C.	
Drive Shafts		
Tail Drive Shaft, Section I	2,500	
Tail Drive Shaft, Section II	2,500	

Tail Drive Shaft, Section III	2,500
Tail Drive Shaft, Section IV	2,500
Tail Drive Shaft, Section V	3,000

Support, Tail Drive Shaft Bearings 2,500

\* May be accomplished progressively by zones.  
(see zone table on page 12 of 15)

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Rotor System, Chapter 65 (Cont.)	9,000	
Gear Boxes		
Main Gear Box	1,250	
Intermediate Gear Box	3,000	
Tail Gear Box Installation	3,000	
Oil Cooler Installation, Main Gear Box	MGB O/H	
Supports, Oil Cooler Installation	O.C.	
Actuator, Rotor Brake Installation	MGB O/H	
Accumulator, Rotor Brake	9,000	
Relief Valve, Rotor Brake	O.C.	
Pressure Switch, Rotor Brake Warning Light	O.C.	
Master Cylinder, Rotor Brake	9,000	
Lines & Fittings, Rotor Brake Hydraulic	O.C.	
Pressure Switch, MGB Oil Warning	MGB O/H	
Lights, Warning	O.C.	
Wiring and Connections	O.C.	
Speed Switch, Motor/Generator (if installed)	MGB O/H	

Note: Zones and areas referenced are as follows:

ZONE	AREA
1. . . . .	Pylon and Stabilizer - Station 622 Aft
2. . . . .	Upper Fuselage, Engine Section - Station 178 - 247
3. . . . .	Upper Fuselage, Main Gear Box - Station 247 - 362
4. . . . .	Tail Cone - Station 493 - 622
5. . . . .	Landing Gear (Main and Tail Gear)

- 6. . . . . Fuel Cells - Station 186 - 323 (Below Water Line 106)
- 7. . . . . Cockpit and Electronics - Station 0 - 110
- 8. . . . . Cabin - Station 110 - 493 (Above Water Line 106)
- 9. . . . . Hull - Station 110 - 186, 323 - 459 (Below Water Line 106)

Powerplant - General, Chapter 71	1,800
Cowling	
Fairing, Intake Duct	O.C.
Cowling, Engine	O.C.
Firewall	O.C.
Fire Seal, Rear Support	O.C.
Engine Suspension	
Support, Rear	Eng. O/H
Supports, Front	Eng. O/H

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Powerplant - General, Chapter 71 (Cont.)	1,800	
Drive Shaft Installation		
Thomas Coupling and Adapter	Eng. O/H	
Drive Shaft	Eng. O/H	
Coupling, MGB Input (Drive Shaft Portion)	Eng. O/H	
Instrumentation		
Supports, Indicator Transmitters	9,000	
Lines and Fittings, Indicator Transmitters	O.C.	
Wiring and Connections	O.C.	
* Damper Weights and Clamps	O.C.	
Engine, Chapter 72	1,800	
Engine		
CT58-110-1	2,000 **	
CT58-110-2	2,400 **	

CT58-140-1	2,400 **
CT58-140-2	1,500 **

\*\* Major Inspection as defined in G.E. O/H Manual SEI-102 (CT58-110 Engines) and SEI-183 (CT58-140 Engines) is required at the following intervals:

CT58-110-1	600
CT58-110-2	800
CT58-140-1	800
CT58-140-2	500
Compressor Section	Eng. O/H
Combustion & Gas Gen. Section	Eng. O/H
Power Turbine Section	Eng. O/H
Accy Dr. Assy.	Eng. O/H
Flex. Dr. Shaft	Eng. O/H ***

\*\*\* Lubrication required every 100 hours per SEI-101 or SEI-182.

Lubrication System (Engine)	
Lines and Fittings	O.C.
Lubrication Pump	Eng. O/H
Oil Cooler	Eng. O/H

\* "N" MODEL ONLY

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
SIKORSKY S-61L/N HELICOPTER

	Overhaul Period	Inspection & Check Period
Fuel System (Engine), Chapter 73	Eng. O/H	
Lines and Fittings	O.C.	
Fuel Control Unit	1,600	
Flow Divider	Eng. O/H	
Fuel Pump	1,600	
Filter, Centrifugal	1,600	
Filter, Static	Eng. O/H	
Ignition System, Chapter 74	Eng. O/H	
Ignitor Unit	Eng. O/H	
Ignitor Plug	Eng. O/H	

Harness, Ignition	Eng. O/H
Air, Chapter 75	Eng. O/H
Starter Cover	O.C.
Intake Duct, Engine Air	O.C.
Boots, Intake Duct Anti-icing (Heating Element)	O.C.
Thermal Switch, 40 degrees F Warning	O.C.
Control Unit, Intake Duct Anti-icing	O.C.
Relay, Current Sensing, Warning Light	O.C.
Switches, Control	O.C.
Wiring and Connections	O.C.
Lights, Warning	O.C.
Relays, Engine Anti-Ice Solenoid Valve, Anti-icing	Eng. O/H
Lines and Fittings Anti-icing Valve	Eng. O/H
Actuator, Variable Vane	Eng. O/H
Pilot Valve, Variable Vane Actuator	1,600
Lines and Fittings, Variable Vane Actuator	Eng. O/H
Vane Actuator, Linkage and Cable	Eng. O/H
Lines and Fittings Air Bleed Systems	Eng. O/H
Lines and Fittings, Compressor Inlet Temp.	Eng. O/H
Valve, Starting Bleed (CT58-140-1, 140-2)	Eng. O/H
Engine Control System, Chapter 76	Eng. O/H
Engine Control System	
Control Quadrant Installation	9,000
Cables, Control	9,000
Pulleys, Control Cable	9,000
Supports, Cable Pulleys	9,000
Control Box, Engine	9,000
Remote Topping Control Gear Box	9,000
Remote Topping Control Rods	O.C.

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OPERATIONS SPECIFICATIONS

	Overhaul Period	Inspection & Check Period
Engine Control System, Chapter 76 (Cont.)	Eng. O/H	
Emergency Control System		
Box Assembly, Teleflex	9,000	
Cables, Teleflex	9,000	
Conduit, Teleflex	9,000	
Engine, Indicating, Chapter 77	Eng. O/H	
Thermocouple Harnesses	Eng. O/H	
Thermocouple Units	O.C.	
Leads, Thermocouple	O.C.	
Generator, Gas Generator Tachometer	Eng. O/H	
Generator, Power Turbine Tachometer	Eng. O/H	
Wiring and Connections	O.C.	
Engine Exhaust, Chapter 78	O.C.	
Exhaust Tail Pipe (Airframe)	O.C.	
Oil, Chapter 79	Eng. O/H	
Oil Tank Installation		
Hose, Lines and Fittings	O.C.	
Support, Oil Tank	O.C.	
Oil Tank	O.C.	
Change Oil (Engine)	Eng. O/H	
Pressure Switches, Low Pressure Warning	O.C.	Functional Check
Bulb, Engine Oil Temperature	O.C.	
Wiring and Connections	O.C.	
Warning Lights, Oil Low Pressure	O.C.	
Starting, Chapter 80	Eng. O/H	
Starters	Eng. O/H	
Relays, Starters	Eng. O/H	
Wiring and Connections, Starter (Airframe)	O.C.	
Warning Lights, Starter Drop-Out Relay	O.C.	

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FIGURE 34. OPERATIONS SPECIFICATIONS,  
AIRCRAFT MAINTENANCE - LEAR MODEL 24/24B/25

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY

Form Approved.  
Budget Bureau  
No. 04-R075.

WASHINGTON

Part D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
LEAR MODEL 24/24B/25

Inspections shall be accomplished in accordance with the applicable procedures as listed in ABC Airlines Maintenance Manual.

Preflight (PF) shall be accomplished each service calendar day. Inspection shall be in accordance with the applicable procedures listed in ABC Airlines Maintenance Manual.

Station Check (SC) shall be accomplished at basic intervals of 100 hours time in service. Inspection shall be in accordance with applicable procedures listed in ABC Airlines Maintenance Manual. During initial operation, the basic intervals for station checks will be evaluated in the following manner:

Ten inspections at 80 hours. \*

Periodic Inspection (PI) shall be accomplished at intervals not to exceed 200 hours time in service. Inspection shall be in accordance with the applicable procedures listed in ABC Airlines Maintenance Manual. During initial operation, the basic intervals for periodic inspections will be evaluated in the following manner:

Five inspections at 160 hours. \*

\* Note - Upon termination of the evaluation period, the assigned FAA maintenance and avionics inspectors will review the maintenance inspection findings and the operating history. If satisfactory, the carrier will be authorized to continue at the time established for the subsequent state, i.e.,

Station Check - 100 hours

Periodic Inspection - 200 hours

Overhaul times as listed in hours and years are maximum limits of whichever occurs first.

In addition to the preflight, periodic, and station checks there are "other" inspections required. These inspections are explained in the notes below or are self-explanatory.

Time retirement items must be replaced where "replace" is

indicated. (Refer to FAA Approved Lear Report 24/25-S47.)

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
LEAR MODEL 24/24B/25

- NOTE 1: Insp. @ ea. 1,000 hrs. or once ea. 1 yr. (use Lear 1,000 hr. insp. form) \*\*
- NOTE 2: Insp. @ ea. 5,000 hrs. or once ea. 5 yrs. (use Lear 5,000 hr. insp. form) \*\*
- NOTE 3: Insp. @ Engine O/H or CHG.
- NOTE 4: Insp. @ ea. 2,500 hrs. (use Lear 2,500 hr. insp. form) \*\*
- NOTE 5: Insp. @ ea. 500 hrs. or ea. 6 mos. (use Lear 500 hr. insp. form) \*\*
- NOTE 6: Overhaul and hot section inspections in accordance with General Electric Service Bulletin (CJ 610) 72-43 (GEB No. 4) Rev. 7, dated 11/29/68, or subsequent revisions which are FAA approved. The "Periodic Inspection" intervals mentioned in the above Service Bulletin will be adjusted to coincide with periodic inspection as set forth on Page 1 of this Specification. \*\*
- NOTE 7: Yearly intervals, engine change, and engine overhaul.
- NOTE 8: Special inspections to be conducted in accordance with schedule and procedures set forth in Lear and General Electric Maintenance Manuals. \*\*

(\*\* Specifically identify by revision number and/or date.)

AVIONICS SYSTEMS. The term "System" means all those interdependent subassemblies, component parts, etc., necessary for the proper functioning of the system as a whole. The term "Bench Check" includes calibration, if necessary, to return the

unit to service.

Aircraft shall not be utilized in air carrier or commercial operations unless:

- a. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in accordance with the schedule of maintenance and inspection functions and procedures set forth in the operator's maintenance manual.
- b. OC "On Condition" items will be maintained in continuous airworthiness condition by periodic and progressive

inspections, checks, services, repair, and/or preventive maintenance and shall be appropriately described in the operator's maintenance manual.

- c. Parts or subcomponents, not listed below, will be checked, inspected, and/or overhauled at the same time limits specified for the component or accessory to which such parts or subcomponents are related.

Abbreviations used in the Lear Model 24/24B/25 maintenance specifications are defined as follows:

BC - Indicates "Bench Check"  
 EO - Indicates "Engine Overhaul"  
 EC - Indicates "Engine Change"  
 OC - Indicates "On Condition"  
 HYD - Indicates "Hydrostatic Test"  
 C - Indicates "Calibration"  
 SI - Indicates "Special Inspections"

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 LEAR MODEL 24/24B/25

	OVERHAUL		INSPECTION AND CHECK PERIOD			
	HOURS	OR YRS.	PF	SC	PI	OTHER
Air Conditioning, Chapter 21						
Pre-cooler	6,000	8		X	X	Note 1
Motor Compressor Assy.	6,000	8			X	Note 1
Condenser	6,000	8			X	Note 1
Compressor	3,000	3			X	Note 1
Cabin Rate of Climb Ind.					X	BC/2 yrs.
Cabin Altitude Controller	5,000	4			X	Note 1
Cabin Altitude & Diff. Pressure					X	BC/2 yrs.
Thermostat					X	BC/2 yrs.
Outflow Valve	2,000	2			X	Note 1
Safety Valve	2,000	2			X	Note 1
Aneroid Sw.					X	BC/4 yrs.
Flow Control Valve	4,000	4			X	Note 1

Autopilot, Chapter 22	OC		X	X	
Computer Amplifier	OC	X	X	X	BC Note 1
Flight Controller	OC	X	X	X	BC Note 1
Altitude Controller	OC	X	X	X	BC Note 1
Servo Pitch	OC	X	X	X	BC Note 1
Servo Yaw, Roll	OC	X	X	X	BC Note 1
Followup Pitch, Yaw & Roll	OC	X	X	X	
Rate Gyro	OC	X	X	X	BC Note 1
Effort Indicator	OC			X	
Lateral Accelerometer	OC			X	
Drum & Brkt. Assy. (Pitch)	OC		X	X	Note 5
Drum & Brkt. Assy. (Yaw)	OC		X	X	Note 5
Drum & Brkt. Assy. (Roll)	OC		X	X	Note 5
Communications System, Chapter 23	OC	X	X	X	
To be determined by assigned inspector.					
Electrical System, Chapter 24	OC		X	X	
Starter - Generators	OC		X	X	BC/800 hrs.
Battery N/C	OC		X	X	
Voltage Regulator 2,000				X	BC Note 5
Inverter	OC	X	X	X	BC Note 1
Standby Inverter	OC	X	X	X	BC Note 1
Emergency Battery with Inverter 2,000		X	X	X	BC Note 5
Electrical Warning Panel	OC	X	X	X	BC Note 1
AC Voltmeter	OC	X	X	X	BC Note 1
DC Voltmeter	OC	X	X	X	BC Note 1
Ammeters	OC	X	X	X	BC Note 1
Starter - Gen Control Panel	OC		X	X	BC Note 1

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	OVERHAUL		INSPECTION AND CHECK PERIOD			OTHER
	HOURS	OR YRS.	PF	SC	PI	
Equipment & Furnishings, Chapter 25	OC			X	X	
Flotation Vests	OC		X	X	X	Note 1
Life Rafts	OC		X	X	X	Note 1
Fire Protection, Chapter 26	OC		X	X	X	
Containers	OC		X		X	HYD 5 Yrs. & Note 5
Two-way Check Valve		1			X	Note 5
Detector Sense Elements	OC				X	Note 1
Relay	OC				X	
Cartridges	Replace	3 yrs			X	
Pressure & Thermal Discharge	OC		X	X	X	
Portable Fire Extinguishers	OC		X	X	X	BC/12 mos.
Flight Controls, Chapter 27	OC		X	X	X	
Aileron Trim Motor	OC			X	X	Note 1
Rudder Trim Motor	OC			X	X	Note 1
Horizontal Stabilizer Trim Motor	500			X	X	
Aileron Actuator - Consisting of Yoke Assembly (P/N 2324511-1), Drive Clevis (P/N 2324512-3 or -5), Bearing Support Assembly (P/N 2324510-8), Drive Pulley Assembly (P/N 2324513-7-8-11 or -12), and Woodruff Key (P/N AN 280R40G)	Replace	20,000			X	Note 1
Speed Brake Actuator	OC				X	Note 1
Speed Brake Valve Restrictor	OC				X	Note 1
Spoiler Control Valve	OC				X	Note 1
Flap Control Valve	OC				X	Note 1
Flap Actuator	OC			X	X	Note 1

Aileron Trim Indicator	OC		X	X	Note 1
Rudder Trim Indicator	OC		X	X	Note 1
Stabilizer Trim Indicator	OC		X	X	Note 1
Control Cables	OC			X	Note 1
Control Column	OC			X	Note 4

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LEAR MODEL 24/24B/25

	OVERHAUL		INSPECTION AND CHECK PERIOD		
	HOURS	OR YRS.	PF	SC	PI OTHER
Fuel System, Chapter 28	OC		X	X	X
Fuel Quantity Indicator	OC				X
Fuel Quantity					
Selector Switch	OC				X
Fuel Quantity Probe Indicator	OC				X
Fuel Quantity Probe OB Wing	OC				X
Fuel Quantity Probe Tip Tank	OC				X
Fuel Quantity Probe Fuselage	OC				X
Fuel Pump, Standby	8,000				X
Fuel Pump, Jet	OC				X
Motive Flow Valves	10,000	10			X Note 2
Firewall Shutoff Valves	10,000	10			X Note 2
Crossfeed Valve	10,000	10			X Note 2
Fuel Cell	OC				X SI/6 mos.
Fuselage Defuel Valve	10,000	10			X Note 2
Low Press. Fuel Filter	OC				X Note 1
Fuel Vent Check Valves	OC				X Note 1
Fuel Transfer Pump	8,000				X
Fuselage Fuel Pump	8,000				X

Hydraulic System, Chapter 29	OC		X	X	X	
Hydraulic Pressure Indicator	OC				X	
Accumulator	5,000	5			X	
Hydraulic Shutoff	5,000	5			X	
Relief Valve	5,000	5			X	
Pressure Regulator	5,000	5			X	
Hydraulic Pump (Electric)	OC				X	Note 1
Engine Pump (Hyd)	EO				X	
Ice & Rain, Chapter 30	OC		X	X	X	
Boots - Electric	OC		X	X	X	Note 1
Pump - Alcohol	OC				X	Note 1
Tank	OC			X	X	Note 1
Pressure Switch	OC		@		X	Note 1
Defog Valve	OC			X	X	Note 1
Defog Ducts & Nozzles	OC			X	X	Note 1
Defog Automatic Control	OC			X	X	Note 1
Timer - Electric Boot	OC				X	Note 1
Valve - Wing Anti-ice	OC			X	X	Note 1
Sensors - Duct Temp.	OC				X	Note 1
Instruments, Chapter 31	OC		X	X	X	
To be determined by the assigned inspector.						

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LEAR MODEL 24/24B/25

	OVERHAUL HOURS OR YRS.	INSPECTION AND CHECK PERIOD			
		PF	SC	PI	OTHER
Landing Gear, Chapter 32	OC	X	X	X	
Power Brake Valve	OC		X	X	Note 2
Parking Brake Valve	OC		X	X	Note 2

Hydraulic Shuttle Valve	OC		X	X	Note 2
Priority Valve (nose)	OC		X	X	Note 2
Emergency Air Pressure Ind.	OC		X	X	Note 2
Door Uplock Actuator	OC		X	X	Note 2
Main Gear Door Actuator	OC		X	X	Note 2
Gear Extension Valve	OC		X	X	Note 2
Emergency Brake Valve	OC		X	X	Note 2
Gear Door Sequence Valve	OC		X	X	Note 2
Shuttle Valve (Gear Door)	OC		X	X	Note 2
Shuttle Valve (Gear Actuator)	OC		X	X	Note 2
Gear Selector Valve	OC		X	X	Note 2
Landing Gear					

Actuator (Main Gear)	Replace 5,000 hrs.		X	X	
Brake Assembly	OC	X	X	X	
Wheel Assembly	OC	X	X	X	
Solenoid Valve (Antiskid)	OC		X	X	Note 2
Shuttle Valve (Antiskid)	OC		X	X	Note 2
Hydraulic Fuse (Antiskid)	OC		X	X	Note 2
Actuator (nose gear)	Replace 20,000 hrs.		X	X	
Shuttle Valve	OC		X	X	Note 2
Strut Nose	Replace 20,000 hrs.		X	X	
Oleo Strut Main	Replace 5,000 hrs.	X	X	X	
Emergency Air Bottle	12 yrs. scrap	X	X	X	HYD 3 yrs.
Tires	OC	X	X	X	
Nose Wheel Steering Actuator	3,000		X	X	
Nose Wheel Steering Amplifier	OC			X	BC/1 yr.
Antiskid Generator	OC		X	X	
Antiskid Amplifier	OC			X	BC/1 yr.
Lights, Chapter 33	OC	X	X	X	
All lights	OC	X	X	X	
Navigation System, Chapter 34	OC		X	X	
To be determined by					

assigned inspector.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LEAR MODEL 24/24B/25

	OVERHAUL HOURS OR YRS.	INSPECTION AND CHECK PERIOD			
		PF	SC	PI	OTHER
Oxygen System, Chapter 35 Oxygen Bottle &	OC	X	X	X	
Regulator	OC			X	5 yrs. HYD
Oxygen Pressure Switch	OC			X	Note 1
Aneroid Pressure Switch	OC			X	Note 1
Oxygen Masks (Crew & Cabin)	OC			X	
Oxygen Pressure Gage	OC			X	
Doors, Chapter 52	OC	X	X	X	
Actuator	OC	X	X	X	Note 1
Cabin Door Assembly	OC	X	X	X	
Emergency Exits	OC	X		X	Operate at PI
Fuselage, Chapter 53	OC	X	X	X	
Forward Fuselage	OC	X	X	X	
Cockpit Area	OC	X	X	X	
Tail Cone	OC	X	X	X	
Fuselage Special Inspection					Note 8
Cabin Area	OC	X	X	X	
Engine Pylon & Nacelle, Chapter 54	OC	X	X	X	
Engine Mounts and (Rubbers)	1,000			X	Note 3
Engine Yoke Assy.	Replace 20,000			X	Note 1
Pylon Beams	EC				Note 8 EC
Engine Mount Fittings	EC				Note 8 EC

Beam to Fuselage  
Fittings

EC

Note 8 EC

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LEAR MODEL 24/24B/25

	OVERHAUL HOURS OR YRS.	INSPECTION AND CHECK PERIOD			
		PF	SC	PI	OTHER
Stabilizers, Chapter 55	OC	X	X	X	
Severe Turbulence and/or Maneuvers					Note 8
Horizontal Stabilizer Assy. Includes hinge fittings and actuator bracket	Replace 16,000			X	SI/1,000 hrs.
Horizontal Stabilizer Hinge pin	Replace 16,000			X	SI/5,000 hrs.
Vertical Stabilizer Hinge Assembly (2331025-1)	Replace 16,000			X	SI/5,000 hrs.
NAS 464P6 - Stabilizer Actuator Attach Bolts	Replace 5,000			X	SI/1,000 hrs.
Elevator Installation Includes hinge and hinge supports, torque tube, bell cranks, and dual push-pull tubes.	Replace 16,000	X	X	X	SI/1,000 hrs.
Rudder Surface, Hinges and Hinge Support	Replace 15,500	X	X	X	Note 1
Vertical Stabilizer	OC	X	X	X	Note 1
Windows, Chapter 56 All, including windshield	OC	X	X	X	

Wings, Chapter 57	OC	X	X	X	Notes 1 & 2
Hard and/or Overweight					Note 8
Landing Inspection					
Severe Turbulence or					Note 8
Maneuvers					
Inspection					
Wing Flap	Replace 19,300				X SI/1,000 hrs.
Assembly, Includes					
surface, track &					
roller mechanism,					

actuator hinge, &					
associated support					
structure					
Aileron Surface,	Replace 20,000		X	X	
Hinge & Fittings					
Support P/N					
2324011-181-2,-1					
Aileron Surface,	Replace 5,000	X	X	X	SI/1,000 hrs.
Hinge & Hinge					
Support, all					
others than					
above					
Aileron Drive	Replace 1,000				X SI/500 hrs.
Yoke Bolt (P/N					
NAS 1304-34H)					
Note: See Lear					
SB 23/24/25-193A					
Special Inspection					Note 8

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
LEAR MODEL 24/24B/25

	OVERHAUL HOURS OR YRS.	INSPECTION AND CHECK PERIOD			
		PF	SC	PI	OTHER
Engine Turbine, Chapter 72	OC	X	X	X	
General Electric CJ-610 Series	Note 8	X	X	X	Hot Section Note 6
Overspeed and/or Overtemp.					Note 8
Engine Fuel and Control,	EO		X	X	

Chapter 73					
Fuel Flow Meters	OC				X
Fuel Pump	8,000				X
Ignition, Chapter 74	EO				
Ignitor Plug	OC		X		X
Engine Controls,	EO	X	X		X

Chapter 76

Engine Indicating, Chapter 77	OC	X	X	X	
Tachometer Generator	OC	X	X	X	Note 7
Tachometer Indicator	OC	X	X	X	C Note 7
EPR Indicator	OC	X	X	X	C Note 7
Exhaust Temp. Ind.	OC	X	X	X	C Note 7
Fuel Flow and Indicator	OC	X	X	X	C Note 7
Oil Pressure Indicator	OC	X	X	X	C Note 7
Engine Oil Pressure Trans.	OC	X	X	X	C Note 7
Low Oil Pressure Warning Switch	OC	X	X	X	C Note 7
Oil Temp. Bulb	OC	X	X	X	Note 7
Exhaust, Chapter 78	OC	X	X	X	
Tail Cone	EO	X	X	X	
Oil, Chapter 79	EO	X	X	X	
Oil Tank	EO	X	X	X	
Oil Pump	EO		X	X	

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FIGURE 35. OPERATIONS SPECIFICATIONS, AIRCRAFT MAINTENANCE  
FAN JET FALCON

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved.  
Budget Bureau  
No. 04-R075.

Aircraft shall not be utilized in air carrier or commercial operations unless:

- a. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in

accordance with the schedule of maintenance and inspection functions and procedures set forth in the operator's maintenance manual.

- b. OC "On Condition" items will be maintained in continuous airworthiness condition by periodic and progressive inspections, checks, services, repair, and/or preventive maintenance and shall be appropriately described in the operator's maintenance manual.
- c. Parts or subcomponents not listed below will be checked, inspected, and/or overhauled at the same time limits specified for the component or accessory to which such parts or subcomponents are related.

Abbreviations used in the FAN JET FALCON maintenance specifications are defined as follows:

FC - Indicates "Functional Check"  
BC - Indicates "Bench Check"  
EO - Indicates "Engine Overhaul"  
EC - Indicates "Engine Change"  
OC - Indicates "On Condition"  
HYD - Indicates "Hydrostatic Test"  
CAL - Indicates "Calibration"  
OP - Indicates "Operational Check"

Inspection, replacement, and/or overhaul of fatigue critical parts having service life limits will be accomplished as listed, and in accordance with the S.G.A.C. - Approved Flight Manuals for Fan Jet Falcon and Fan Jet Falcon Series C, D, E, and F.

**Preflight Inspection**

To be accomplished each service calendar day.

**PVO Inspection/Check**

To be accomplished at intervals not to exceed 100 hours time in service or three months, whichever occurs first.

**V.A. Inspection**

To be accomplished at intervals not to exceed 800 hours time in service or twelve months, whichever occurs first.

**IGV Inspection**

To be accomplished at intervals not to exceed 2,400 hours time in service or four years, whichever occurs first.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
FAN JET FALCON - 20

2GV Inspection

To be accomplished at intervals not to exceed 4,800 hours time in service or seven years, whichever occurs first.

Special Inspections

The frequency and procedure for performing special inspections will be accomplished as specified in the operator's maintenance manual.

Overhaul and inspection/check period time limitations specified in hours and calendar time are maximum limits of whichever occurs first.

\*\* "Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter I, Subtitle "B" of CFR 49 currently in effect."

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAN JET FALCON

	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				
		PVO	VA	GV	2GV	OTHER
Air Conditioning, Chapter 21	OC	X	X	X	X	
Turbo Compressor	2,400	X	X	X		
Regulating Valve	2,400		X	X		
Flow Limiter	OC		X	X		BC 2GV
Temperature Control Valve	OC		X	X		FC VA
Electrical/Radio Rack Blowers	OC		X	X		BC VA
Autopilot,	OC	X	X	X	X	

Chapter 22						
Pedestal Controller	OC	X	X	X		BC VA
Computer Amplifier	OC		X	X		BC VA
Servos	2,400	X	X	X		
Communications,	OC	X	X	X	X	
Chapter 23						
To be determined by assigned inspector.						
Electrical,	OC	X	X	X	X	
Chapter 24						
Inverter	2,400		X	X		Brush check VA
Inverter, Static	2,400	X				
(Voice Recorder						
Emergency)						
Starter Generator	E.O	X	X	X		300 hours brush check and shaft greasing FC VA
Battery Blower	4,800	X	X	X		
Equipment & Furnishings,	OC	X	X	X	X	
Chapter 25						
Fire Protection,	OC	X	X	X	X	
Chapter 26						
Fire Extinguisher	**OC	X	X	X		6 MO, WT. CK
Bottle (Hyd. or retire appropriate for bottle used)						

Effective date \_\_\_\_\_

	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				OTHER
		PVO	VA	GV	2GV	
Fire Protection, Chapter 26 (Cont'd)						
H2O Fire Extinguisher	OC	X				6 MO. WT.CK.
CO2 Fire Extinguisher (Hyd. or retire appropriate for bottle used)	**OC	X				6 MO. WT.CK.
Detector Control	OC	X				FC VA
Flight Controls, Chapter 27	OC	X	X	X	X	
Double Hydraulic Servo Control Jack Aileron	7 yrs.	X	X	X		FC VA
Double Hydraulic Servo Control Jack Elevator	7 yrs.	X	X	X		FC VA
Double Hydraulic Servo Control Jack Rudder	7 yrs.	X	X	X		FC VA
Variable Bellcrank, Aileron	7 yrs.		X	X		FC 2VA
Variable Bellcrank, Elevator	7 yrs.		X	X		FC 2VA
Trim Jack, Aileron	10 yrs.		X	X		FC VA
Trim Jack, Rudder	10 yrs.		X	X		FC VA
Yaw Damp Jack System	1,800		X	X		FC 2VA
Aux. Artificial Feel, Aileron	10 yrs.		X	X		FC 1GV
Aux. Artificial Feel, Elevator	10 yrs.		X	X		FC 1GV
Aux. Artificial Feel, Rudder	10 yrs.		X	X		FC 1GV
Tailplane Electric Actuator	3,600	X	X	X		FC VA
Droop Leading Edge Jack	3,600		X	X		FC VA
Trim & Air Brake Control Box	10 yrs.		X	X		FC VA
Flap Reduction Gear Assy.	7 yrs.		X	X		FC VA
Wing Flap Jack	7 yrs.		X	X		FC VA
Droop Leading Edge & Flap Control Box	3,600		X	X		FC VA

Fuel System, Chapter 28	OC	X	X	X	X	
Rear Compartment Tank	OC		X	X		
Fuel Heater	3,000		X	X		FC VA
Wing Tank Press. Reducing Valve	3,600		X	X		CAL VA
Rear Compartment Tank Press. Reducing Valve	3,600		X	X		CAL VA
Dual Fuel Quantity Indicators	1,500		X	X		CAL VA
Fuel Transfer Pump	2,400	X	X	X		Replace brushes 1,800 hrs.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAN JET FALCON

	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				OTHER
		PVO	VA	GV	2GV	
Fuel System, Chapter 28 (Cont'd)						
Fuel Shut Off Valve	OC	X	X	X		FC EC
L.P. Crossfeed Valve	OC	X	X	X		FC VA
L.P. Fuel Pump	2,400	X	X	X		Replace brushes 1,800 hrs.
Hydraulic System, Chapter 29	OC	X	X	X	X	
Hydraulic Pump Engine Driven	EO	X				
Transfer Jack	5,400	X	X	X		
Electro Pump Selector Valve	7 yrs.	X	X	X		
Electro Pump	3,600	X	X	X		FC Once a week.
Ice & Rain, Chapter 30	OC	X	X	X	X	

Instruments, Chapter 31	OC	X	X	X	X	
To be determined by assigned inspector.						
Landing Gear, Chapter 32	OC	X	X	X	X	
Main Landing Gear	2,700					
	5,400	X	X	X		Per AMD SB 431
Nose Landing Gear	2,700					
	5,400	X	X	X		Per AMD SB 431
Landing Gear Door Locks	OC	X	X	X		
(2 GV Inspection for door locks P/N VTS 431)						
(1 GV Inspection for door locks P/N VTS 442 or 4422)						
Parking Brake Telforce Cable	OC		X	X		
Anti-Skid Detectors	4,800	X	X	X		OP at wheel or brake change
Nose Gear Wheel (P/N 9533961)	700 Ldgs					Scrap after 700 landings

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAN JET FALCON

	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				
		PVO	VA	GV	2GV	OTHER
Lights, Chapter 33	OC	X	X	X	X	
All Lights	OC	X	X	X	X	

Navigation, Chapter 34	OC	X	X	X	X
To be determined by assigned inspector.					
Oxygen, Chapter 35	OC	X	X	X	X
Oxygen Bottle (Hyd. or retire appropriate for bottle used)	** 3 yrs.	X	X	X	
Pressure Reducing Valve	3 yrs.	X	X	X	
High Pressure Gauge	OC	X	X	X	
Crew Oxygen Mask	3 yrs.	X	X	X	
Altitude Sensitive Switch	5 yrs.	X	X	X	
Filler Connection	OC	X	X	X	
Solenoid Valve	OC	X	X	X	
Shut Off Valve	OC	X	X	X	
Pneumatic, Chapter 36	OC	X	X	X	X
Valve, Nacelle Deicing	OC		X	X	
Valve, Bleed Air	OC		X	X	
Valve, Conditioning	OC		X	X	
Valve, Wing Deicing	OC		X	X	
Drag Chute, Chapter 39	OC	X	X	X	X
* F.C. to be carried out every time drag chute has been used or at least every 6 mos. in case of non- operation.					* 6 mos.
APU, Chapter 49	OC	X	X	X	X
APU	*	X	X	X	* See APU Manufacturers recommendation.

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAN JET FALCON

OVERHAUL

INSPECTION AND CHECK PERIOD

	HOURS/YRS.	PVO	VA	GV	2GV	OTHER
Doors, Chapter 52	OC	X	X	X	X	
Main L/G Door	OC	X	X	X		
Teleforce Control						
L/G Door Emergency	OC	X	X	X		
Teleforce Control						
Passenger/Crew Door	7 yrs.	X	X	X		
Pneumatic Jack						
Emergency Exits	OC	X	X	X		O.P. VA
Fuselage, Chapter 53	OC	X	X	X	X	
NOTE 1: Inspect areas in accordance with Fan Jet Falcon Maintenance Manual.						
Nacelles, Pylons, Chapter 54	OC	X	X	X	X	
Inspect areas in accordance with Fan Jet Falcon Maintenance Manual.						
Stabilizers, Chapter 55	OC	X	X	X	X	
Inspect areas in accordance with Fan Jet Falcon Maintenance Manual.						
Windows, Chapter 56	OC	X	X	X	X	
Inspect areas in accordance with						
Fan Jet Falcon Maintenance Manual.						
Wings, Chapter 57	OC	X	X	X	X	
Inspect areas in accordance with Fan Jet Falcon Maintenance Manual.						
Powerplant, Chapter 71	OC	X	X	X	X	
Engine Mount	EC	X	X	X		

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAN JET FALCON

	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD			OTHER
		PVO	VA	GV	
Engine, Chapter 72	OC	X	X	X	X
Turbojet Engine CF 700	*	X	X	X	
Hot Section Inspection	*	X	X	X	
* See engine (G.E. manufacturer's recommendations)					
Engine Fuel & Control, Chapter 73	EO	X	X	X	X
Ignition, Chapter 74	EO	X	X	X	X
Igniter Plug	300 Engine Hours	X	X	X	
Engine Air, Chapter 75	EO	X	X	X	X
Engine Controls, Chapter 76	OC	X	X	X	X
Throttle Teleforce	3,600				
Control in Nacelle					
Engine Indicating, Chapter 77	OC	X	X	X	X
T5 Harness	EO	X	X	X	
EPR (PT7) Probe	EO	X	X	X	
EPR Transmitter	3,600	X	X	X	
Exhaust, Chapter 78	OC	X	X	X	X
Oil, Chapter 79	OC	X	X	X	X
Oil Pressure Transmitter	EO	X	X	X	
Starting, Chapter 80	OC	X	X	X	X

NOTE 1: Effectivity - Aircraft Serial No. 1 through 53.  
Prior to accumulation 4,800 hours time in service or 7 years,  
whichever occurs first, accomplish Marcel Dassault Service  
Bulletin No. 159 titled, Fuselage - Reinforcement of Stringer

Junction on Frame 33.

Effective date \_\_\_\_\_

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FIGURE 36. OPERATIONS SPECIFICATIONS, AIRCRAFT MAINTENANCE  
- HAWKER-SIDDELEY DH-125 SERIES

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved.  
Budget Bureau  
No. 04-R075.

PART D

Page 1 of 7

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
HAWKER SIDDELEY DH-125 SERIES

Thorough inspection shall be accomplished in accordance with the applicable procedures as listed in ABC Airlines Maintenance Manual.

Preflight (PF) shall be accomplished each service calendar day. Inspection shall be in accordance with the applicable procedures listed in ABC Airlines Maintenance Manual.

Period Inspections (PI) the procedure for the performance of period inspections will be accomplished as specified in ABC's Maintenance Manual. Period inspections must be accomplished at intervals not to exceed 160 hours time in service.

Aircraft shall not be utilized in air carrier or commercial operations unless:

- a. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in accordance with the schedule of maintenance and inspection functions and procedures set forth in the operator's maintenance manual.
- b. OC "On Condition" items will be maintained in continuous airworthiness condition by periodic and progressive inspections, checks, services, repair, and/or preventive maintenance and shall be appropriately described in the operator's maintenance manual.
- c. Parts or sub-components not listed below will be checked, inspected and/or overhauled at the same time limits

specified for the component or accessory to which such parts or sub-components are related.

Abbreviations used in the Hawker-Siddeley DH-125 maintenance specifications are defined as follows:

PF - Indicates "Preflight Inspection"  
 BC - Indicates "Bench Check"  
 EO - Indicates "Engine Overhaul"  
 EC - Indicates "Engine Change"  
 OC - Indicates "On Condition"  
 HYD - Indicates "Hydrostatic Test"  
 C - Indicates "Calibration"

Life Limited Components.

Numerous parts, affecting different models of the DH-125 Aircraft, are life limited and listed under Note 3 of FAA Type Certificate Data Sheet ABEU. The limitations must be adhered to as applicable to the various aircraft.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 HAWKER-SIDDELEY DH-125 SERIES

	OVERHAUL LNDGS., HOURS OR YRS	INSPECTION AND CHECK PERIOD		
		PF	PI	OTHER
Air Conditioning, Chapter 21	OC	X	X	
Air Jet Pump	3,000		X	
Air Needle Valve	OC		X	
APU Supply Check Valve	3,000		X	
APU Shut-off Valve	3,000		X	
Auxiliary Heating Valve	3,000		X	
Cabin Temperature Controller	OC		X	
Cabin Pressure Control	OC		X	
Fan Operated Venturi	3,000		X	
Flow Control Valve	3,000		X	
Initiation Air Valve	3,000		X	

Main Supply Check Valve	3,000		X	
Outflow and Safety Valve	3,000		X	
Pneumatic Relay	3,000		X	
Pressure Regulators	3,000		X	
Ram Air Check Valves	3,000		X	
Ram Air Valve	3,000		X	
Refrigeration By-Pass Valve	3,000		X	
Refrigeration Unit	2,000		X	
Turbine By-Pass Valve	3,000		X	
Auto Pilot, Chapter 22	OC	X	X	
Aileron Servo	3,000	X	X	
Air Speed Compensator	4,000		X	
Compass Amplifier	4,000	X	X	
Computer Amplifier	4,000	X	X	BC 1 Year

Controller, Pedestal	5,000	X	X	BC 1 Year
Elevator Servo	3,000	X	X	
Emergency Disconnect	4,000	X	X	
Instrument Amplifier	4,000	X	X	
Rudder Servo	3,000	X	X	
Servo Mount	5,000		X	
Steering Computer	4,000	X	X	
Trim Tab Servo	3,000	X	X	
Vertical, Yaw and Rate Gyros	4,000	X	X	
Communications, Chapter 23	OC	X	X	
To be determined by assigned inspector.				

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HAWKER-SIDDELEY DH-125 SERIES

	OVERHAUL LNDGS., HOURS OR YRS	INSPECTION AND CHECK PERIOD		
		PF	PI	OTHER
Electrical System, Chapter 24	OC	X	X	

Alternator	800		X	X	
Alternator Volt. Control Unit	2 Yrs.		X	X	
Compass Inverter	1,000		X	X	
Emergency Contactor	4,000			X	
Field Contactors	3,000			X	
Generator Contactors	2,000			X	
Generator Switching Units	2,000			X	
Ground Contactor	5,000			X	
Inverters #1 and #2	1,500 running Hrs.	X	X	X	
Inverter Control Relays	4,000			X	
Overspeed Relays	3,000			X	
Overvoltage Relays	4,500			X	BC - 2250 Hrs.
Overvoltage Unit	3,000			X	

Regulators	4,500			X	
Standby Inverter	1,500 running Hrs.	X	X	X	
Start and Battery Contactor	4,000			X	
Starter Buss Contactor	5,000			X	
Starter Generators	800		X	X	
Time Switch	4,000			X	
Voltage Sensing Unit	4,500			X	
Voltmeter	10,000		X	X	

Equipment & Furnishings, Chapter 25	OC		X	X	
To be determined by assigned inspector.					

Fire Protection System, Chapter 26	OC		X	X	
Actuator Cartridge	OC			X	Replace 2 Yrs.
APU Fire Detector	OC		X	X	
Container, Fire Extinguisher	OC		X	X	HYD 5 Yrs.
Dual Head Valves	OC			X	
Engine Fire Detection	OC		X	X	
Rear Equipment Bay Overheat	OC			X	
Flight Control Systems, Chapter 27	OC		X	X	
Airbrake and Lift	OC			X	

Dump System				
Flap System	OC		X	X
Flap Control Unit	4,500			X
Flap Jack Screws	3,000			X
Stall Warning System	OC		X	X
Stick Shaker System	4 Yrs.		X	X
Trim Control Systems	OC			X

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HAWKER-SIDDELEY DH-125 SERIES

	OVERHAUL LNDGS., HOURS OR YRS	INSPECTION AND CHECK PERIOD		
		PF	PI	OTHER
Fuel System, Chapter 28	OC	X	X	
Boost Pumps	1,000	X	X	
Check Valves	6 Yrs.			X
Cross Feed System	OC	X	X	
Drain Valves	OC	X	X	
Float Valves	6 Yrs.	X	X	
Low Pressure, Transfer and Crossfeed Valves	4 Yrs.			X
Hydraulic System, Chapter 29	OC	X	X	
Accumulators	3,000	X	X	
Aux. Hydraulic Low Level Light	OC			X
Brake Modulator Units	3,000			X
Cylinders:				
Airbrake	3,000			X
Actuating MLG,	4,500 Lndgs			X
Retraction MLG, Door	3,000 Lndgs			X
Actuating NLG,	6,000 Lndgs			X
Retraction NLG,	3,600 Lndgs			X
Steering				

Wing Flap	3,000		X
Actuating			
Engine Driven Pumps	3,000		X
Flap Control Unit	4,500		X
Flow Indicator Unit	5,000		X
Hand Pump	5,000		X
Valves:			
Brake	3,000		X
Emergency Reducer			
Brake	3,000		X
Control			
Brake	5,000		X
Shuttle			
Check	5,000		X
Gear	5,000		X
Extension Restrictor			
Nose Gear	5,000		X
Steering			
Pump Cut-Out	2,500		X
Pressure	5,000		X
Regulating			
Ice and Rain Protection, Chapter 30	OC	X	X
Airframe Deicing Pump	2 Yrs.		X
Fuel Filter Deice Pump	3 Yrs.		X
Ice Detector System	4,500		X
Pitot Heat System	OC	X	X
Windshield Heat Control	OC	X	X
Windshield Deicer Hand Pump	3 Yrs.		X
Wing Deicer Check Valve	3,000/4 Yrs.		X
Wing Deicer Compensating Valve	3,000/4 Yrs.		X

Effective date \_\_\_\_\_

	OVERHAUL		INSPECTION AND CHECK PERIOD		
	LNDGS.,	HOURS OR YRS	PF	PI	OTHER
Instruments, Chapter 31 To be determined by assigned	OC		X	X	
inspector.					
Landing Gear, Chapter 32	OC		X	X	
Anti-Skid System	3,000 Lndgs		X	X	
Landing Gear Control Unit	3,000 Lndgs			X	
MLG Assembly	2,000 Lndgs		X	X	
MLG Door Assembly	OC		X	X	
MLG Mechanical Indicator	OC			X	
NLG Assembly	3,000 Lndgs		X	X	
NLG Door Assembly	OC		X	X	
NLG Mechanical Indicator	OC			X	
Parking Brake Control	OC		X	X	
Wheels, Tires and Brakes	OC		X	X	
Lights, Chapter 33	OC		X	X	
Anti-Collision	OC		X	X	
Central Warning Unit	OC		X	X	
Exit Marking	OC		X	X	
Landing	OC			X	
Navigation	OC			X	
Passenger Emergency	OC			X	
Wing Ice Lights	OC			X	
Navigation, Chapter 34 To be determined by assigned inspector.	OC		X	X	
Oxygen, Chapter 35	OC		X	X	
Cylinders:					
Main	*OC		X	X	*(4 Yrs. Hyd Check or cyl. replacement appropriate to

Portable *OC		X	X	Cyl) *(4 Yrs. Hyd Check or cyl. replacement appropriate to
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Masks	OC	X	X	Cyl)
Pressure Gage	OC	X	X	
Pressure Regulator	OC	X	X	

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HAWKER-SIDDELEY DH-125 SERIES

	OVERHAUL LNDGS., HOURS OR YRS	INSPECTION AND CHECK PERIOD		
		PF	PI	OTHER
Oxygen, Chapter 35 (Cont'd)				
Valves:				
Flow Selector	OC		X	
Charging	OC		X	
Supply Master	OC		X	
Airborne Auxiliary				
Power, Chapter 49	OC	X	X	
Aux. Power Unit	1,000 APU Hrs.	X	X	
Fuel Filter	2,000 APU Hrs.	X	X	
Generator	OC		X	
Ignitor Unit	1,000 APU Hrs.	X	X	
Solenoid Fuel Valve	6,000 APU Hrs.	X	X	
Valve Fuel Check	4 Yrs.		X	
Doors, Chapter 52				
Cargo	OC	X	X	
Emergency Exits	OC		X	
Passenger	OC	X	X	
Fuselage, Chapter 53				
	OC	X	X	
Nacelle/Pylons, Chapter 54				
Airframe Engine	OC	X	X	
Mount Brackets	10,000		X	
Stabilizers,				

Chapter 55	OC	X	X	
Elevator and Rudder				
Hinge Fittings	OC		X	
Horizontal Stabilizer				
Attach Points	OC		X	
Vertical Stabilizer				
Attach Points	OC		X	
Wings, Chapter 57	OC	X	X	
Internal Structure	OC		X	
Engine, Chapter 72	OC	X	X	
Engine, Bristol				
Siddeley Viper	1,600	X	X	
Engine, Mount	OC		X	EC Detail Insp.
Engine, Cowling	OC	X	X	
Fire, Seal	OC		X	EC Detail Insp.
Tail Cone	OC		X	EC Detail Insp.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HAWKER-SIDDELEY DH-125 SERIES

	OVERHAUL LNDGS., HOURS OR YRS	INSPECTION AND CHECK PERIOD		
		PF	PI	OTHER
Engine Fuel				
System,				
Chapter 73	OC	X	X	
Air/Fuel Ratio				
Control	EO		X	
Barometric Flow				
Control	EO	X	X	
Electric Pressure				
Control	EO	X	X	
Flowmeter				
Transmitter	EO	X	X	
Fuel Filter	EO		X	
Fuel Pump	EO		X	
Pressure Switches	EO		X	
Primer Solenoid	EO		X	
Pressure				
Increasing				
Valve	EO		X	
Rate Reset Valve	EO		X	

Engine Ignition,				
Chapter 74	OC		X	X
Igniter Plug	375			X
Exciter System	EO			X
Glow Plugs	OC			X
Engine Bleed Air,				
Chapter 75	OC		X	X
Anti-Ice Valve	EO			X
Engine Controls,				
Chapter 76	OC		X	X
Power Control				
Linkage	OC		X	X
H.P. Fuel Cock				
Linkage	OC		X	X
Engine Indicating,				
Chapter 77	OC		X	X
Tach. Generator	EO			X
EGT Probes	EO		X	X
Power Loss				
Indicator	EO			X
Oil System,				
Chapter 79	OC		X	X
Pressure				
Indicator	3,000			X
Pressure				
Transmitter	OC			X
Tank	OC			X
Temperature				
Indic.	3,000			X
Temperature Bulb	OC			X

EC Detail Insp.

C at EO

EC Detail Insp.

C at EO

Effective date \_\_\_\_\_

FIGURE 37. OPERATIONS SPECIFICATIONS  
- AIRCRAFT MAINTENANCE - HFB 320 HANSA JET

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved  
Budget Bureau  
No 04-R075

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
HFB 320 HANSA JET

Thorough inspection shall be accomplished in accordance with the applicable procedures as listed in ABC Airlines Maintenance Manual.

Preflight shall be accomplished each service calendar day. Inspection shall be in accordance with the applicable procedures listed in ABC Airlines Maintenance Manual.

Special Inspections

The frequency and procedure for performing special inspections will be accomplished as specified in the operator's maintenance manual.

Overhaul and inspection/check period time limitations specified in hours and calendar time are maximum limits of whichever occurs first.

Period Inspections (PI) Period inspections will be accomplished as specified in ABC Airlines Maintenance Manual.

Aircraft shall not be utilized in air carrier or commercial operations unless:

- a. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in accordance with the schedule of maintenance and inspection functions and procedures set forth in the operator's maintenance manual.
- b. OC "On Condition" items are maintained in continuous airworthiness condition by periodic and progressive inspections, checks, services, repairs, and/or preventive maintenance and shall be appropriately described in the operator's maintenance manual.
- c. Parts or subcomponents not listed below are checked, inspected and/or overhauled at the same time limits specified for the component or accessory to which such parts or subcomponents are related.
- d. FC/BC items are done in accordance with manufacturer's recommendations.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE GENERAL  
HFB 320 HANSA JET

The following PERIOD INSPECTIONS will be accomplished in accordance with instructions contained in ABC Airlines Maintenance Manual.

1. POST FLIGHT INSPECTION

To be accomplished not to exceed 25 hours time in service as indicated by "X" under PO column on the following pages.

2. MID PERIOD INSPECTION

To be accomplished at intervals not to exceed 60 hours time in service, as indicated by "X" under MP (PI) column on the following pages.

3. A PERIOD INSPECTION

To be accomplished at intervals not to exceed 150 hours time in service, as indicated by "X" under A (PI) column on the following pages.

4. B PERIOD INSPECTION

To be accomplished at intervals not to exceed 300 hours time in service, as indicated by "X" under B (PI) column on the following pages.

5. C PERIOD INSPECTION

To be accomplished at intervals not to exceed 600 hours time in service, as indicated by "X" under C (PI) column on the following pages.

6. D PERIOD INSPECTION

To be accomplished at intervals not to exceed 1200 hours

time in service, as indicated by "X" under D (PI) column on the following pages.

7. E PERIOD INSPECTION

To be accomplished at intervals not to exceed 2400 hours time in service, as indicated by "X" under E (PI) column on the following pages.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE GENERAL  
HFB 320 HANSA JET

Abbreviations used in the HFB 320 Hansa Jet maintenance schedule are defined as follows:

- PO - Indicates Post Flight Inspection
- MP - Indicates Mid Period Inspection
- PI - Indicates Period Inspections
- HS - Indicates Engine Hot Section Inspection
- EC - Indicates Engine Change Inspection
- EO - Indicates Engine Overhaul
- OC - Indicates On Condition
- HYD - Indicates Hydrostatic Test
- CALIB -Indicates Calibration
- FC - Functional Check
- BC - Bench Check

Life Limited Components:

1. Main Landing Gear P/N 320-50125/50150 15,000 hours
2. Nose Landing Gear P/N 320-50165 15,000 hours
  
3. Flap Assembly P/N 320-11700/12700 17,500 hours
4. Frame 28 (Aircraft Serial No. 1023) 10,000 hours

The times quoted above are predicated on one landing per hour.

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 HFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTIONS						
		PO	MP	A	B	C	D	E
Air-Conditioning System, Chapter 21	OC	X	X	X	X	X	X	X
Check Valves, APU, Air Conditioning	OC			X	X	X	X	X
Air Flow Regulator	4,000		X	X	X	X	X	X
Cabin Pressure Differential Indicator	2,400		X	X	X	X	X	X
Rate of Climb, Cabin Indicator	2,400		X	X	X	X	X	X
Altitude Selector	5,000		X	X	X	X	X	X
Valves, Control Bleed Air	3,000		X	X	X	X	X	X
Emergency Pressure Shutoff Valve	OC		X	X	X	X	X	X
Temperature Control Valve	3,000		X	X	X	X	X	X
Shutoff Valve	OC		X	X	X	X	X	X
Discharge Valve	3,000		X	X	X	X	X	X
Emergency Pressure Controller	4,000		X	X	X	X	X	X
Cabin Pressure Indicator	2,000		X	X	X	X	X	X
Air Drier	OC				X	X	X	X
Dump and Fresh Air Valve	OC		X	X	X	X	X	X
Pressure Differential Switch	OC		X	X	X	X	X	X
Temperature Sensors, Low and High Limit	OC					X	X	X

Water Extractor	OC		X	X	X	X	X	X
Heat Exchanger	OC		X	X	X	X	X	X
Auto Pilot System - Chapter 22	OC	X	X	X	X	X	X	X
Amplifier, Computer	OC (BC per * next page)				X	X	X	X
Trim Coupler	OC				X	X	X	X

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTIONS						
		PO	MP	A	B	C	D	E
Auto Pilot System - Chapter 22 (Cont'd) Airspeed Sensor and Switch	OC				X	X	X	X
Vertical and Yaw Rate Gyros	3,000				X	X	X	X
Altitude Control	OC				X	X	X	X
Servo Drives	3,000		X	X	X	X	X	X
Controller, Pedestal	3,600		X	X	X	X	X	X

Computers, Steering	OC			X	X	X	X	X
Emergency Disconnect Switch	OC				X	X	X	X

\* Bench check in accordance with applicable Manufacturer's Overhaul Manual or equivalent instructions every 2,000 hours or 18 months, whichever occurs first.

Communications System, Chapter 23	OC	X	X	X	X	X	X	X
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To be determined by  
assigned inspector.

Electrical Power System - Chapter 24	OC	X	X	X	X	X	X	X	X
Alternator	1,200	X	X	X	X	X	X	X	X
Regulators	OC	X	X	X	X	X	X	X	X
Current Transformers	OC				X	X	X	X	
Volt and Ampere Meters	OC	X	X	X	X	X	X	X	X
Inverters	*1,000	X	X	X	X	X	X	X	X
* Inverter Operating Time									
Starter Generator	1,200	X	X	X	X	X	X	X	X
Battery	OC	X	X	X	X	X	X	X	X
Contactors, Main, Battery, Generator	OC				X	X	X	X	

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HFB 320 HANSA JET

OVERHAUL                      PERIOD INSPECTIONS

	HOURS OR YRS.	PO	MP	A	B	C	D	E
Electrical Power System - Chapter 24 (Cont'd)								
Relays, Feeder Protection	OC		X	X	X	X	X	X
Relay, Bus Transfer	OC				X	X	X	X
Relay, Reverse Current	OC				X	X	X	X
Equipment & Furnishings, Chapter 25	OC	X	X	X	X	X	X	X
To be determined by assigned inspector.								
Dragchute (Detail inspection 60-day deployed)	OC	X	X	X	X	X	X	X

Fire Protection System, OC X X X X X X X  
 Chapter 26  
 (F/C every 24 months)

Fire Extinguisher OC X X X X X X X  
 Assembly  
 P/N F2718E/MS33514 or  
 1526/M33514 "Inspections,  
 hydrostatic test, and  
 life limits will be  
 accomplished as set  
 forth in Part 173,  
 Chapter 1, Subtitle B  
 of CFR 49 currently in  
 effect."

Check and Distributing 2,000/5 yrs X X X X X X X  
 Valves

Element, Sensing, APU 1,500/3 yrs X X X X X X X  
 Engine EO X X X X X X X

Extinguisher, Portable OC X X X X X X X  
 "Inspections, hydrostatic  
 test, and life limits will  
 be accomplished as set  
 forth in Part 173,  
 Chapter 1, Subtitle B of  
 CFR 49 currently in

effect."

Flight Control System, OC X X X X X X X  
 Chapter 27

Gear Boxes OC X X X X

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 HFB 320 HANSA JET

OVERHAUL PERIOD INSPECTIONS  
 HOURS OR YRS. PO MP A B C D E

Flight Control System,  
 Chapter 27 (Cont'd)

Position Indicators:	OC	X	X	X	X	X	X	X
Aileron								
Rudder								
Flap								
Trim Actuators:								
Aileron	1,200			X	X	X	X	X
Rudder	OC			X	X	X	X	X
Elevator	4 years			X	X	X	X	X
Trim Switches:	OC	X	X	X	X	X	X	X
Rudder & Aileron								
Elevator								
Shutoff Valves:	4 years				X	X	X	X
Anti-Stall Computer (BC 3,000 hours)	OC	X	X	X	X	X	X	X
Angle of Attack Sensor	OC	X	X	X	X	X	X	X
Stick Shaker	OC	X	X	X	X	X	X	X
Actuators:	2,400/4 yrs		X	X	X	X	X	X
Flap								
Slat								
Speed Brake								
Stick Pusher Cylinder "Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect."	5 years	X	X	X	X	X	X	X
Fuel System, Chapter 28	OC	X	X	X	X	X	X	X
Relief Valves	OC			X	X	X	X	X
Pump, Fuel Boost	1,200/4 yrs	X	X	X	X	X	X	X
Normal								
Emergency								

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 HFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTIONS						
		PO	MP	A	B	C	D	E
Fuel System, Chapter 28 (Cont'd)								
Check Valves	OC			X	X	X	X	X
Methanol Tank	1,500/5 yrs	X	X	X	X	X	X	X
Quantity Transmitters	OC			X	X	X	X	X
Quantity Indicators	OC	X	X	X	X	X	X	X
Fuel Check Valve (APU)	OC		X	X	X	X	X	X
Shutoff Valve (APU)	OC			X	X	X	X	X
Hydraulic Power, Chapter 29	OC	X	X	X	X	X	X	X
Check Valves	OC			X	X	X	X	X
Pumps	2,000	X	X	X	X	X	X	X
Accumulators, Systems (4)	2,400/4 yrs	X	X	X	X	X	X	X
Accumulators, Nose Wheel Shimmy Damper	2,400/4 yrs	X	X	X	X	X	X	X
Air Pressure Regulator	OC				X	X	X	X
Reservoir	OC	X	X	X	X	X	X	X
Filters, Element	600		X	X	X	X	X	X
Pressure Control Valve	2,400				X	X	X	X
Valves, Shutoff	2,400			X	X	X	X	X
Valves, Relief	OC			X	X	X	X	X
Hand Pump	OC	X	X	X	X	X	X	X
Switches, Low Level, Low Pressure	OC				X	X	X	X

Temperature Indicator & Transmitter	OC	X	X	X	X	X	X	X
Pressure Indicator	OC	X	X	X	X	X	X	X
Pressure Transmitter	2,500	X	X	X	X	X	X	X

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTION						
		PO	MP	A	B	C	D	E
Ice and Rain Protection System, Chapter 30	OC	X	X	X	X	X	X	X
Pressure Switch, Engine De-ice	OC		X	X	X	X	X	X
Solenoid Valve, Engine De-ice	OC		X	X	X	X	X	X
Window Temperature Regulator	OC			X	X	X	X	X
Windshield Wiper Motor	OC				X	X	X	X
Wiper Gear Box	OC				X	X	X	X
De-ice and Anti-ice Warning Indicator	OC		X	X	X	X	X	X
De-icing and Anti-ice Control Box	OC			X	X	X	X	X
Static Ports	OC		X	X	X	X	X	X
Pitot Head, Fuselage	OC		X	X	X	X	X	X
Pitot Head, Tail	OC		X	X	X	X	X	X
Instruments, Chapter 31 To be determined by assigned inspector.	OC	X	X	X	X	X	X	X

Landing Gear, Chapter 32	OC	X	X	X	X	X	X	X
MLG Assembly	5,000	X	X	X	X	X	X	X
NLG Assembly	5,000	X	X	X	X	X	X	X
MLG Actuator Cylinder	2,400/4 yrs	X	X	X	X	X	X	X
NLG Actuator Cylinder	2,400/4 yrs	X	X	X	X	X	X	X
MLG Locking Cylinder	2,400/4 yrs	X	X	X	X	X	X	X
NLG Locking Cylinder	2,400/4 yrs	X	X	X	X	X	X	X
NLG Centering Cylinder	2,400/4 yrs	X	X	X	X	X	X	X

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
NFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTION						
		PO	MP	A	B	C	D	E
Landing Gear, Chapter 32 (Cont'd)								
Emergency Gear, Mechanical Shutoff Valve	2,400/4 yrs	X	X	X	X	X	X	X
Door Actuator Cylinder	2,400/4 yrs	X	X	X	X	X	X	X
Door Sequence Valves	2,400/4 yrs	X	X	X	X	X	X	X
Door Relief Valves	OC	X	X	X	X	X	X	X
Brake Control Valves	3,000/4 yrs	X	X	X	X	X	X	X
Master Cylinder	3,000/4 yrs	X	X	X	X	X	X	X
Emergency Brake Control Valve	3,000/4 yrs	X	X	X	X	X	X	X
Anti-Skid System:		X	X	X	X	X	X	X
Generator	OC							
Control Box	OC							
Control Valve	OC							
Steering Cylinders	2,400/4 yrs	X	X	X	X	X	X	X

Brake, Wheels and Tires	OC	X	X	X	X	X	X	X
Gear Selector Control Valves	2,400/4 yrs	X	X	X	X	X	X	X
Lights, Chapter 33	OC	X	X	X	X	X	X	X
Anti-Collision	OC	X	X	X	X	X	X	X
Landing	OC	X	X	X	X	X	X	X
Navigation	OC	X	X	X	X	X	X	X
Exit Markings	OC	X	X	X	X	X	X	X
Passenger Safety Lights	OC	X	X	X	X	X	X	X
Master Caution Light	OC	X	X	X	X	X	X	X
Warning Horn	OC	X	X	X	X	X	X	X

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTIONS						
		PO	MP	A	B	C	D	E
Navigation, Chapter 34	OC	X	X	X	X	X	X	X
Flasher To be determined by assigned inspector.	2,400			X	X	X	X	X
Oxygen, Chapter 35	OC	X	X	X	X	X	X	X
Masks	OC	X	X	X	X	X	X	X
Pressure Reducer	3 years	X	X	X	X	X	X	X
Pressure Gauge	3 years	X	X	X	X	X	X	X
Orifice Block (silica gel)	2 years		X	X	X	X	X	X
Portable Bottle "Inspections, hydrostatic	OC	X	X	X	X	X	X	X

test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect."

Cylinder	OC			X	X	X	X	X
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"Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect."

Airborne Auxiliary Power, Chapter 49	OC		X	X	X	X	X	X
APU * (APU engine hours)	*250/500 starts		X	X	X	X	X	X
Panel, Control Regulator * (APU engine hours)	*250/500 starts		X	X	X	X	X	X
Starter/Generator * (APU engine hours)	*250/500 starts			X	X	X	X	X
Doors, Chapter 52	OC		X	X	X	X	X	X
Entrance	OC		X	X	X	X	X	X

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTIONS						
		PO	MP	A	B	C	D	E
Doors, Chapter 52 (Cont'd)								
Emergency Exits	OC	X	X	X	X	X	X	X
Fuselage, Chapter 53	OC	X	X	X	X	X	X	X

Inspect areas in  
accordance with the HFB  
320 Hansa Jet  
Maintenance Manual.

Nacelle/Pylons, Chapter 54	OC	X	X	X	X	X	X	X
Fireseal Assembly	OC			X	X	X	X	X
Engine Mount & Thrust Strut * (Detail Inspection at EC)	*OC			X	X	X	X	X

Inspect areas in  
accordance with the HFB  
320 Hansa Jet  
Maintenance Manual.

Stabilizers, Chapter 55	OC	X	X	X	X	X	X	X
Elevator and Rudder Hinges	OC	X	X	X	X	X	X	X
Vortex Generators	OC	X	X	X	X	X	X	X
Elevator and Rudder Balance Stops	OC			X	X	X	X	X

Inspect areas in  
accordance with the HFB  
320 Hansa Jet  
Maintenance Manual.

Windows, Chapter 56	OC	X	X	X	X	X	X	X
Wings, Chapter 57	OC	X	X	X	X	X	X	X
Fuselage to Wing Connection Bolts * (Retorque according to Maintenance Manual, Chapter 57-10-0)	*OC					X	X	X

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HFB 320 HANSA JET

	OVERHAUL HOURS OF YRS.	PERIOD INSPECTIONS						
		PO	MP	A	B	C	D	E
Wings, Chapter 57 (Cont'd)								
Tiptanks	OC	X	X	X	X	X	X	X
Fence	OC	X	X	X	X	X	X	X
Vortex Generators	OC	X	X	X	X	X	X	X
Slats	OC	X	X	X	X	X	X	X
Flaps	OC	X	X	X	X	X	X	X
Ailerons	OC	X	X	X	X	X	X	X
Speed Brakes	OC	X	X	X	X	X	X	X
Inspect areas in accordance with the HFB 320 Hansa Jet Maintenance Manual.								
Engine, Chapter 72	OC	X	X	X	X	X	X	X
Engine CJ-610-1 or -5	1,500 *Note 1	X	X	X	X	X	X	X
Engine - Hot Section	Hot Section *Note 2					X	X	
Engine Mount * Detail inspection EC	*OC			X	X	X	X	X
Engine Fuel and Control, Chapter 73	OC	X	X	X	X	X	X	X
Drain Valves	EO			X	X	X	X	X
Inlet Guide Vane Actuator	EO			X	X	X	X	X
Fuel Flow Transmitter	2,000	X	X	X	X	X	X	X

Fuel Flow Indicator	1,500	X	X	X	X	X	X	X
Fuel Pressure Transmitter	EO		X	X	X	X	X	X

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTION						
		PO	MP	A	B	C	D	E
Engine Fuel and Control, Chapter 73 (Cont'd)								
Fuel Pump	EO		X	X	X	X	X	X
Ignition, Chapter 74	OC	X	X	X	X	X	X	X
Plug, Igniter	375				X	X	X	X
Ignition Exciter Box	EO				X	X	X	X
Air, Chapter 75	OC	X	X	X	X	X	X	X
Bleed Air Valve	EO				X	X	X	X
Generator Cooling Duct	EO				X	X	X	X
Engine Controls, Chapter 76	OC	X	X	X	X	X	X	X
Thrust Control Unit	EO		X	X	X	X	X	X
Flex Ball Assembly	OC	X	X	X	X	X	X	X
Engine Indicating, Chapter 77	OC	X	X	X	X	X	X	X
Tach, Generator	5,000/4 yrs	X	X	X	X	X	X	X

E.P.R. Transmitter	EO	X	X	X	X	X	X	X
E.G.T. Thermocouple	EO	X	X	X	X	X	X	X
E.G.T. Indicator	OC	X	X	X	X	X	X	X
E.P.R. Indicator	3,000	X	X	X	X	X	X	X
Oil Temp. & Pressure Transmitters	OC	X	X	X	X	X	X	X
Oil Low Pressure Switch	OC	X	X	X	X	X	X	X
RPM Indicator	5,000/4 yrs	X	X	X	X	X	X	X

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HFB 320 HANSA JET

	OVERHAUL HOURS OR YRS.	PERIOD INSPECTIONS						
		PO	MP	A	B	C	D	E
Exhaust, Chapter 78	OC	X	X	X	X	X	X	X
Tail Cone	EO	X	X	X	X	X	X	X
Oil, Chapter 79	OC	X	X	X	X	X	X	X
Oil Tank	EC	X	X	X	X	X	X	X
Oil Pump	EO	X	X	X	X	X	X	X

Power Plant Notes

\* Note 1: 1,800 depending on GE Bulletins accomplished.

\* Note 2: Engine manufacturer recommendation.

Effective date \_\_\_\_\_

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FIGURE 38. OPERATIONS SPECIFICATIONS AIRCRAFT  
MAINTENANCE - BOEING 727

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved  
Budget Bureau  
No. 04 R075.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

Inspection/Check Requirements

Checks shall be accomplished in accordance with the applicable procedures as listed in the airline's maintenance manual.

"A" Inspection/Check \*

To be accomplished before exceeding thirty-five (35) hours time in service.

"B" Inspection/Check \*

To be accomplished before exceeding three hundred (300) hours time in service.

"C" Inspection/Check \*

To be accomplished before exceeding nine hundred (900) hours time in service.

"D" Inspection/Check \*

To be accomplished before exceeding seven thousand (7,000) hours time in service.

"D" Inspection/Check \*

To be accomplished before exceeding seven thousand (7,000) hours time in service. (Structural inspections - one-fourth of operators' fleet will be completed each 7,000 hours; i.e., one-fourth at 7,000; one-fourth at 14,000; one-fourth at 21,000; one-fourth at 28,000).

NOTE:

\* Revision to the times specified for the "A", "B", and

"C" checks can be initiated after accumulation of satisfactory service experience by the submission of an amended Operations Specifications - Maintenance to the assigned inspector for consideration, handling, and approval.

\*\* The "D" inspection is based on the premise that the details of the "A", "B", and "C" checks will be developed in sufficient depth to assure the airworthiness of the aircraft until the "D" inspection interval is reached.

FC - Functional check; check for security and proper operation.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	O.C.	A,B,C,D
Air Distribution Selector Valve	O.C.	B,C
Air Conditioning Pack Temperature Indicator	O.C.	B,C
Air Cycle Machine	7,000	B,C
Air Condition Anti-Icing Valve	14,000	B,C
Air Conditioning Pack Shutoff Valve	7,000	B,C
APU Isolation Shutoff Valve	14,000	B,C
APU Bleed Check Valve	O.C.	B,C
APU Crossover Check Valve	O.C.	B,C
Cable Driven Ram Air Door Actuator	O.C.	B,3C
Control Cabin, Temperature Control Valve	O.C.	B,C
Cargo Heating Air Shutoff Valve	O.C.	B,3C
Cabin Temperature Indicator	O.C.	B,C
Cabin Pressure Manual Controller	O.C.	B,C,D
Cabin Pressure Automatic Controller	O.C.	B,C,D
Cabin Temperature Selector	O.C.	C,D
Cabin Air Check Valve 3 1/2 in. Diameter	O.C.	B
Cabin Air Check Valve 4 1/2 in. Diameter	O.C.	B,C
Fan Venturi	14,000	B,3C
Gasper Fan	3,500	B,C
Ground Air Mover Actuator Assembly	O.C.	B,C
Ground Air Mover Fan	7,000	B,C
Ground Air Connection Check Valve	O.C.	
Main Cabin Temperature Control	O.C.	B,C
Motor Driven Ram Air Door Actuator	7,000	B,C
Outflow Valve	7,000	A,B,3C
Pressure Equalizer Check Valve	O.C.	B,C,D
Primary Heat Exchanger	O.C.	D,C
Ram Air Shutoff Valve	O.C.	B,3C

Ram Air Exhaust Dampers	O.C.	B,3C
Secondary Heat Exchanger	O.C.	B,C
Valve Position Indicator	O.C.	B,C
Water Separator Anti-Icing Thermostat	7,000	B,C
Water Separator	O.C.	B,3C
Zone Temperature Control Air Shutoff	7,000	

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Auto Pilot, Chapter 22	O.C.	A,B,C,D
Aileron Servo Motor and Drive Assembly	7,000	B,3C
Aileron Servo Stop Mechanism	7,000	B,C
Air Data Sensor	O.C.	B,C,D
Air Data Sensor Calibrator	O.C.	B,C,D
Control Panel	O.C.	B,C,D
Glideslope Indicator	O.C.	B,C,D
Position Sensor - Elevator and Elevator Trim	O.C.	B,C,D
Position Sensor - Spoiler	O.C.	B,C,D
Pitch Control Channel	7,000	B,C
Pitch Control Channel Calibrator	O.C.	B,C,D
Position Sensor - Rudder	O.C.	B,C,D
Roll Control Channel	7,000	B,C
Roll Control Channel Calibrator	O.C.	B,C,D
Rudder Trim and Position Indicator	O.C.	B,C,D
Stabilizer Trim Potentiometer	O.C.	B,C,D
Stabilizer Trim Servo	7,000	B,C
Trim Indicator - Elevator and Aileron	O.C.	B,C,D
Warning Light Flasher and Roll Limit Resistor Module	O.C.	B,C,D
Yaw Damper Coupler	7,000	B,C
Yaw Damper Coupler Calibrator	O.C.	B,C,D
Communications, Chapter 23	O.C.	A,B,C,D
The maintenance program (overhaul time and intermediate checks) for this chapter is to be established in the local Air Carrier District Office for all units of radio communication and radio navigation equipment.		
Electrical System, Chapter 24	O.C.	A,B,C,D
AC Voltmeter	O.C.	B,C

Battery Charger	O.C.	B,C
Bus Protection Panel	O.C.	B,C
Constant Speed Drive	3,000	B,C
Constant Speed Drive Oil Temperature Indicator	O.C.	B,C
DC Ammeter	O.C.	B,C
DC Voltmeter	O.C.	B,C
Essential Power Failure Relay	O.C.	B,3C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Electrical System, Chapter 24, continued	O.C.	A,B,C,D
Essential Power Selector Relay	O.C.	B,3C
External Power Transformer - Rectifier	O.C.	B,C
Generator (40 KVA)	3,000	B,C
Generator Drive Loud Controller	O.C.	B,C
Generator Frequency Meter	O.C.	B,C
Generator Circuit Breaker	O.C.	B,C
Generator Control Panel	O.C.	B,C
Ground Power Relay	O.C.	B,C
Master Warning Control Unit	O.C.	B,3C
Reverse Current Contactor	12,000	B,3C
Static Inverter	O.C.	B,C
Transformer Rectifier	O.C.	B,C
Voltage Regulator	O.C.	B,C
Equipment and Furnishings, Chapter 25	O.C.	A,B,C,D
Equipment Air Flow Detector	O.C.	B,C
Electric Equipment Blower	6,000	B,C
Equipment Cooling Air Shutoff Valve	12,000	B,C
Fire Protection, Chapter 26	O.C.	A,B,C,D
Fire Extinguisher Bottle	5 years	B,C
Lower Aft Body Overheat Control Unit	O.C.	B,C
Shutoff Valve (Directional Valve)	12,000	B,C-FC
Strut #1 and #3 Overheat Control Unit	O.C.	B,C
Wheel Well Fire Control Unit	O.C.	B,C
Flight Controls, Chapter 27	O.C.	A,B,C,D
Aileron Shutoff Valve Cartridge	14,000	B,C,D
Aileron Lockout Gearbox, Outboard	O.C.	B,C,D

Aileron Compensator Assembly	O.C.	B,C,D
Aileron Hydraulic Pressure Switch Assembly	O.C.	B,C,D
Aileron Control Disconnect Assembly	O.C.	B,C
Aileron Power Control Package	7,000	B,C
Control Column	O.C.	B,C,D
Elevator Hydraulic Shutoff Valve Cartridge	14,000	B,C,D
Elevator Hydraulic Compensator Cartridge	O.C.	B,C,D
Elevator Feel Control Assembly	7,000	B,C
Elevator Hydraulic Pressure & Switch Cartridge	O.C.	B,C,D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27, continued	O.C.	A,B,C,D
Elevator Feel Computer Package	7,000	B,C
Elevator Power Control Package	7,000	B,C
Flap Asymmetric Shutoff Valve	14,000	B,C
		FC-7,000
Flap Drive Gearbox Power Unit	14,000	B,C,D
Flap Drive Gearbox Alternate	14,000	B,C,D
Flap Drive Gearbox Assembly-Angle-Inboard	14,000	B,C,D
Flap Position Indicator	O.C.	C,D
Ground Speed Brake Actuator	14,000	B,C,D
Ground Speed Brake Hydraulic Control Valve	14,000	B,C,D
Ground Spoiler Shutoff Valve	14,000	B,C,D
Inboard Flap Flow Limiting Valve	14,000	3C,D
Inboard Flap Position Transmitter	14,000	B,C,D
Inboard Flap Drive Offset Gearbox	14,000	B,C,D
Leading Edge Flap Standby Hydraulic Motor	14,000	B,C,D
Leading Edge Flap Actuator and Shuttle Valve	14,000	B,C,D
Leading Edge Slat Actuator and Shuttle Valve	14,000	B,C,D
Leading Edge Flaps and Slats Control Valve	14,000	B,C,D
Leading Edge Flap and Slat Bypass Valve	14,000	B,C,D
Leading Edge Flap Position Switch	O.C.	B,C,D
Leading Edge Slat Position Switch	O.C.	B,C,D
Leading Edge Flap Flow Limiting Valve (Standby System)	14,000	B,C,D
Outboard Flap Flow Limiting Valve	14,000	B,C,D
Outboard Flap Drive Angle Gearbox	14,000	B,C,D
Outboard Trailing Edge Flap Transmission Assembly	14,000	B,C,D

Rudder Power Control Unit	14,000	B,C,D
Rudder Shutoff Valve Cartridge	14,000	B,C,D
Rudder Hydraulic Pressure Compensator Cartridge	O.C.	B,C,D
Rudder Hydraulic Pressure Switch Cartridge	O.C.	B,C,D
Rudder Trim Actuator	O.C.	B,C,D
Rudder Standby Power Control Unit	14,000	B,C,D
Spoiler Hydraulic Pressure Relief Valve Cartridge	14,000	B,C,D
Spoiler Hydraulic Shutoff Valve Cartridge	14,000	B,C,D
Spoiler Hydraulic Actuator Assembly	14,000	B,C,D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27, continued	O.C.	A,B,C,D
Speed Brake Lever Control Brake Assembly	O.C.	B,C
Stabilizer Trim Actuator	7,000	B,C
Stabilizer Trim Drive Motor	7,000	B,C
Stabilizer Trim Brake	14,000	B,C
Spoiler Differential Mechanism Assembly	7,000	B,C
Trailing Edge Flap Bypass Valve	14,000	C,D
Trailing Edge Flap Hydraulic Motor	14,000	B,C
Trailing Edge Flap Control Valve	14,000	C,D
Trailing Edge Inboard Flap Transmission Assembly	12,000	C,D
Wing Flap Alternate Drive Motor	12,000	C,D
All Flight Control Cables shall be tension checked		D
Fuel System, Chapter 28	O.C.	A,B,C,D
Baffle Check Valve	O.C.	Inspect for condition anytime tank is open at the D check
Boost Pump	7,000	A,B,C,D
Boost Pump Removal Valve	O.C.	C,D
Boost Pump Bypass Check Valve	O.C.	C,D
Boost Pump Check Valve	7,000	

Boost Pump Vent Check Valve	7,000	
Engine Shutoff Valve	14,000	B,C
Fuel Manifold Crossfeed Valve	14,000	B,C
Fuel Dump Control Valve	7,000	
Fuel Dump Nozzle Shutoff Valve	14,000	B,C
Fueling Level Control Pilot Valve	O.C.	C,D
Fueling Level Control Shutoff Valve	14,000	
Fueling Shutoff Valve	14,000	
Fueling Manifold Vent Shutoff Valve	O.C.	C,D
Fuel Temperature Probe	O.C.	C,D
Fuel Temperature Indicator	O.C.	B,C,D
Fuel Quantity Indicator	O.C.	C,D
Fuel Quantity Tank Unit	O.C.	3C
Fuel Quantity Compensator	O.C.	3C,D
Fuel Quantity Total Indicator	O.C.	B,C,D
Manual Defueling Valve	O.C.	B,C
Tank Dump Valve	14,000	B,C

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul	Inspection
	Period	& Check Period
Hydraulic System, Chapter 29	O.C.	A,B,C,D
Accumulator - System "A"	O.C.	C,D
Accumulator - System "B"	O.C.	C,D
Heat Exchanger Assembly	O.C.	C,D
Indicator, Hyd. Quantity System "A", "B" and "Standby" Reservoir	O.C.	B,C,D
Indicator, Remote Pressure	14,000	C,D
Interconnect Valve, System "A" and "B"	14,000	C,D
Manual Shutoff Valve Cartridge (System "A" Depressurization)	14,000	2C
Manual Reservoir Fill Selector Valve	O.C.	A,B
Overheat Sensing Switch	O.C.	2C,D
Pressure Operated Selector Valve Cartridge (Standby System)	14,000	B,C,D
Pump - Engine Driven	4,000	B,C,D
Pump - AC Motor Driven - System "B"	4,000	B,C,D
Pump - AC Motor Driven (Standby System)	14,000	C,D
Pump - Reservoir Pressure Filling	O.C.	C,D
Pneumatic Pressure Gage, Accumulator	O.C.	B,D
Reservoir - System "A"	O.C.	C,D
Reservoir - System "B"	O.C.	D

Reservoir - Standby System	O.C.	2C,D
Reservoir Pressure Regulating Valve	14,000	2C
Switch Assembly Cartridge, Hyd. Pressure	O.C.	2C,D
Transmitter - Liquid Level System "A"	O.C.	B,C,D
Transmitter - Liquid Level System "B"	O.C.	B,C,D
Transmitter - Liquid Level Standby System	O.C.	B,C,D
Transmitter - Accumulator Pressure	14,000	2C,D
Valve - Pressure Relief Cartridge - System "A"	14,000	2C
Valve Assembly - Hydraulic Suction Shutoff	14,000	2C,D
Valve Assembly Cartridge - Hyd. Motor Operated (Standby)	14,000	2C,D
Valve Cartridge - Pressure Relief - Standby and System "B"	14,000	2C,D
Ice and Rain Protection, Chapter 30	O.C.	A,B,C,D
Cowl Thermal Anti-Icing Shutoff Valve	14,000	C,D
Inlet Duct Shutoff Valve	14,000	C,D
Ice Detector	O.C.	C,D
Ice Detector Interpreter	O.C.	C,D

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Ice and Rain Protection, Chapter 30, continued	O.C.	A,B,C,D
Thermal Anti-Ice Shutoff Valve	14,000	C,D
Thermal Anti-Ice Engine Bleed Check Valve	O.C.	C,D
	Leakage check at engine OH	
Thermal Anti-Ice Duct Temperature Indicator	O.C.	C,D
Thermal Anti-Ice Isolation Shutoff Valve	14,000	C,D
Thermal Anti-Ice High Pressure Bleed Shutoff Valve	14,000	C,D
Thermostatic Modulating Valve	O.C.	Calibrate at EO
Windshield Wiper Motor	14,000	C,D
Instruments, Chapter 31	O.C.	A,B,C,D
The Maintenance Program (overhaul time and intermediate checks) for this chapter is		

to be established in the local Air Carrier District Office for all units in this system including the Flight Recorder.

Landing Gear, Chapter 32	O.C.	A,B,C,D
Anti-Skid Brake Detector	7,000	B,C
Anti-Skid Control Shield	14,000	C,D
Brake System Interconnect Valve	14,000	C,D
Brake Interconnect Pressure Switch	14,000	C
Brake Interconnect Flow Limiting Valve	14,000	C
Brake System Accumulator	O.C.	B,C,D
Brake Pressure Indicator, Hydraulic	O.C.	B,C,D
Brake Pneumatic Control Valve	O.C.	D,FC
Brake Pneumatic Pressure Indicator	O.C.	B,C,D
Brake Accumulator & Air Bottle Pressure Gage	O.C.	B,C,D
Brake Accumulator & Air Bottle Pressure Transmitter	14,000	B,C,D
Brake Pneumatic System - Hydraulic Transfer Cylinder	O.C.	C,D
Brake Pneumatic Bottle	5 years	B,C
Brake Deboost Valve	6,000	A,B,C
Gear Selector Valve	14,000	C,D
Gear Shuttle and Disconnect Valve	14,000	C,D
Main Gear Sequence Valve	14,000	C,D

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Landing Gear, Chapter 32, continued	O.C.	A,B,C,D
Main Gear Brake Anti-Skid Valve	14,000	C,D
Main Gear Door Safety Valve	14,000	C,D
Main Gear Hydraulic Actuator	14,000	C,D
Main Gear Lock Actuator	14,000	C,D
Main Gear Lock System	O.C.	C,D
Main Gear Brake Metering Valve	7,000	C
Main Gear Door Sequence Valve	14,000	C,D
Main Gear Door Actuator	14,000	C,D
Main Gear Assembly (shock strut, side strut, drag strut & beam, support links, torsion links, axles)	14,000	A,B,C,D
Main Gear Axle Sleeve	O.C.	Wheel or brake

Main Gear Wheel Assembly	O.C.	change A,B,C Tire change
Main Gear Brake Assembly	O.C.	B
Nose Gear Assembly (shock strut, drag brace strut, torsion links, steering collar)	14,000	A,B,C,D
Nose Gear Wheel Assembly	O.C.	A,B,C Tire change
Nose Gear Brake Assembly	O.C.	B
Nose Gear Brake Anti-Skid Valve	14,000	C,D
Nose Gear Actuator	14,000	C,D
Nose Gear Steering Metering Valve	14,000	C,D
Nose Gear Steering Disconnect Valve	14,000	C,D
Nose Gear Bypass Valve	14,000	C,D
Nose Gear Lock	O.C.	C,D
Nose Gear Lock Actuator	14,000	C,D
Nose Gear Lock Retention	14,000	D
Nose Gear Variable Restrictor	14,000	C,D
Nose Gear Brake Metering Valve	7,000	C
Nose Gear Brake Pressure Reducer Valve	14,000	C,D
Switch Assembly - Hydraulic Pressure Cartridge	O.C.	C,D
Tail Skid Actuator	14,000	C,D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Lights, Chapter 33	O.C.	A,B,C,D
Oscillating Navigation Light	O.C.	A,B
Rotating Beacon	O.C.	A,B
Navigation, Chapter 34	O.C.	A,B,C,D
Ammeter - Pitot Static Heat	O.C.	C,D
Airspeed Indicator - Air Data System	7,000	C
Air Data Computer	O.C.	B,C,D
Antenna - Glideslope	O.C.	B,C,D
ADF Sense Antenna Coupler	O.C.	B,C,D
ADF Loop Antenna	O.C.	B,C,D
Angle of Attach Vanes	O.C.	B,C,D
Control Column Shaker	14,000	B,C,D

Inertial - Lead Vertical Speed Indicator	7,000	B,C
Machmeter	7,000	B,C
Mach Air Speed Warning Switch	O.C.	C,D
Marker Beacon Antenna	O.C.	C,D
Pitot Tube Probe	O.C.	C,D
Ram Air Temperature Indicator	O.C.	C,D
Ram Air Temperature Bulb	O.C.	C,D
Static Selector Valve	O.C.	C,D
Stall Warning Computer	O.C.	C,D
Total Air Temperature Probe	O.C.	C,D
Total Air Temperature Indicator	7,000	C
True Airspeed Indicator	14,000	B,C,D
Oxygen System, Chapter 35	O.C.	A,B,C,D
Crew Oxygen System Pressure	14,000	C,D
Crew Oxygen Demand Regulator	7,000	C

Crew Oxygen System Pressure Reducer	14,000	C,D
Electro-Pneumatic Continuous Flow Control Unit	7,000	3C
Oxygen Bottles	5 Years	A,B,C,D
Oxygen Bottles, Portable	5 Years	A,B,C,D
Oxygen Shutoff Valve	O.C.	D
Oxygen System Pressure Indicator	O.C.	A,B,C
Oxygen System Charging Valve	7,000	C
Pneumatic Continuous Flow Control Unit	7,000	3C
Passenger Oxygen System Latch, Valve and Manifold Assembly	O.C.	3C,D

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Pneumatic, Chapter 36	O.C.	A,B,C,D
Air Conditioning Airflow Control Valve	7,000	
Air Conditioning Airflow Sensing Venturi and Servo Unit	7,000	
Bleed Air Heat Exchanger Temperature Controller	O.C.	C,D
Dual Pneumatic Manifold Pressure Gage	O.C.	C,D
Engine Fan Air Modulating Valve	7,000	C
Engine Bleed Shutoff Valve	3,500	C
Engine No. 2 Bleed Air Shutoff Valve	14,000	C,D
Engine Bleed Air Isolation Shutoff Valve	14,000	C,D

Ground Cart Starting Pneumatic Connector	O.C.	C,D
Heat Exchanger - Pneumatic System	O.C.	C,D
High Pressure Bleed Modulating and Shutoff Valve	3,500	C
Pneumatic Manifold Air Pressure Transmitter	O.C.	C,D
Water and Waste, Chapter 38 Systems shall be maintained	O.C. "On Condition"	A,B,C,D
Airborne Auxiliary Power, Chapter 49	O.C.	A,B,C,D
Auxiliary Power Unit - Airborne	1,500	A,B,C
APU Exhaust Door Actuator	14,000	B,C
APU Fire Bottle	5 years	B,C

Structures, Chapter 50	7,000 1/4	A,B,C,D
Doors, Chapter 52	7,000 1/4	A,B,C,D
Emergency Hatches	14,000 1/4	
Fuselage, Chapter 53	7,000 1/4	A,B,C,D
Fuselage Tension Bolts between BS 360 and 1183	14,000 1/4	
Fuselage Skin and Stringer Splices in Crown Area (Stringer S-6 and above) at BS 360, 480, 740, 870, 1080.45	14,000 1/4	
Fuselage Center Engine Inlet Duct	2,500	C
Fuselage Upper and Lower Torque Boxes	7,000	
Fuselage Frames at BS 760.95, 785.95, 804.5, 825.95 and 848.95	7,000 1/2	
Center Engine Support	3,000	

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Nacelles/Pylons, Chapter 54	3,000	A,B,C,D
Forward Engine Mount Fittings, Thrust Links and Aft Engine Mount Fittings	3,000	
Stabilizers, Chapter 55	7,000	A,B,C,D
Horizontal Stabilizer Skin Panel	3,500	B,C
Vertical Fin Skin Panels	3,500	B,C
Elevator Tab	3,500	B,C

Rudder Internal Structure	7,000	1/4	C
Rudder Hinge Fittings	7,000	1/4	B,C
Rudder Tabs	3,500		B,C
Wings, Chapter 57	7,000	1/4	A,B,C,D
Right and Left Wing Upper and Lower Interspar	3,500		B,C
Lower Interspar Skin Under Wing Body Fairing and Wing Center Section	7,000		B,C
Right and Left Wing Lower Surface at WS 224.5	7,000		C
Wing Body Breather Web and BBL 13.0 Beam	7,000		
Right and Left Wing Terminal Forgings	7,000		
Right and Left Wing Body Bottle Pin Retaining Bolts and Forward Lug Retaining Bolt	7,000		C
Main Landing Gear Rear Trunnion Support Beam and Attach Links	7,000		C
Wing Trailing Edge Skin and Support Structure	7,000		C
Flap Tracks, Carriages, Attachments, and Supports	7,000		B,C
Inboard/Outboard Aileron Balance Panels	7,000		C
Inboard/Outboard Aileron Adjustable Weights	7,000		C
Inboard/Outboard Aileron Tabs	3,500		B,C
Engine Turbine, Chapter 72	3,000		A,B,C,D
Accessory and Component Drive Gear Box Section	3,000		B
Air Inlet Section	3,000		A,B,C
Combustion Section	3,000		PP NOTE 1
Compressor Section	3,000		A,B,C
Diffuser Section	3,000		PP NOTE 1
Exhaust Section	3,000		A,B,C
Fan Discharge Section	3,000		B,C
Turbine Section	3,000		A,B,C
Basic Engine Plumbing, Wiring, and Linkages	3,000		B,C

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

	Overhaul Period	Inspection & Check Period
Engine Fuel and Control, Chapter 73	O.C.	A,B,C,D
Burner Pressure Sense Line Drain	O.C.	B,C PP NOTE 4

Engine Driven Fuel Pump	6,000	B,C
Fuel Control Unit - Hamilton Standard JFC-60	6,000	B,C
Fuel Control Unit Inlet Temperature Sensor	6,000	A,B,C
Fuel Strainer (FCU)	6,000	B,C
		PP NOTE 2
Fuel Deicing System	O.C.	B,C
		PP NOTES 2&3
Fuel Flow Transmitter	6,000	B
Fuel Flow Indicator	6,000	C
Fuel Flow Power Supply Unit	6,000	
Pressure Differential Warning Transmitter	O.C.	B,C
Pressurizing and Dump Valve	O.C.	B,C
Plumbing and Wiring	O.C.	B,C
Fuel Heater	O.C.	
Fuel Deicing Air Valve	O.C.	
Fuel Pressure Drop Warning Switch	O.C.	
Fuel Deicing System Filter	O.C.	B,C
Ignition, Chapter 74	O.C.	A,B,C,D
High Tension Leads	3,000	B,C
Ignition Exciter Unit	O.C.	B,C
Igniter Plugs Champion AA72S Continuous Duty	O.C.	B,C
Igniter Plugs Champion AA72S Intermittent Duty	O.C.	B,C
Replaceable Gap Assembly	3,000	B,C
Air, Chapter 75	O.C.	A,B,C,D
Anti-Icing Air System Plumbing and Wiring	6,000	B,C
Compressor Inlet Anti-Icing Regulator	6,000	B,C
Compressor Inlet Anti-Icing Shutoff Valve	6,000	B,C
Compressor Bleed System Valves and Plumbing	6,000	
CSD Ejector Air Shutoff Valve	6,000	B
CSD Oil Cooler	6,000	B
Pressure Ratio Bleed Control	O.C.	B,C
Air Shutoff Valve and Actuator	O.C.	B,C
Anti-Icing Air Regulator	O.C.	B,C
Engine Controls, Chapter 76	O.C.	A,B,C
Engine Control Linkages	O.C.	B,C

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
BOEING 727

Overhaul Inspection  
Period & Check

		Period
Engine Indicating, Chapter 77	O.C.	A,B,C
Engine Vibration Amplifier Unit	O.C.	C
Engine Vibration Indicator	O.C.	C
Engine Vibration Pickup @	E.O.	B
Exhaust Gas Temperature Probes	O.C.	C
Exhaust Gas Temperature Indicator	O.C.	C
Exhaust Pressure @tio Probes and Plumbing	O.C.	A,B,C
Engine Pressure Ratio Transmitter	E.O.	C
Engine Pressure Ratio Indicator	O.C.	C
Tachometer Generator	E.O.	B
Tachometer Indicators N1 and N2	O.C.	C
Exhaust, Chapter 78	O.C.	A,B,C
Directional Valve Assembly	6,000	A,B
Thrust Reverser Actuator	O.C.	A,B
Thrust Reverser Assembly	O.C.	A,B
Thrust Reverser Sequence Valve	E.O.	
Thrust Reverser Indicating System		
Oil System, Chapter 79	O.C.	A,B,C
Oil Tank and Stick Quantity Indicator	O.C.	A,B,C
Oil System Plumbing and Connections, Drain Valve	E.O.	B,C
Fuel and Oil Cooler and Temperature Regulator	E.O.	B,C
Engine Oil Pressure Transmitter	E.O.	B
Engine Oil Pressure Indicator	O.C.	C
Oil Quantity Indicator	O.C.	C
Oil Quantity Tank Unit	O.C.	B
Low Oil Pressure Switch	O.C.	B
Oil Filter Bypass Switch	E.O.	B
Oil Temperature Transmitter	O.C.	B
Oil Temperature Indicator	O.C.	C
Oil Strainer	O.C.	B,C
Starting System, Chapter 80	O.C.	A,B,C
Pneumatic Starter	6,000	B,C
Starter Pressure Regulating and Shutoff Valve	6,000	B,C

Effective date \_\_\_\_\_

NOTE 1. Access for inspection is impeded by engine fan duct. Specific instructions will be established by carriers to assure that flight crews are aware of indications of hot section case distress.

NOTE 2. Filters should be cleaned within 150 hours.

NOTE 3. Filter should be sampled daily on new aircraft or after tank repairs until residual is disposed of.

NOTE 4. Drain at "B" check.

Effective date \_\_\_\_\_

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FIGURE 39. OPERATIONS SPECIFICATIONS AIRCRAFT  
MAINTENANCE - DOUGLAS DC-9

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
WASHINGTON

Form Approved  
Budget Bureau  
NO. 04 R075.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-9

Inspection/Check Requirements

Checks shall be accomplished in accordance with the applicable procedures as listed in the airline's maintenance manual.

"A" Inspection/Check \*

To be accomplished at intervals not exceeding fifty (50) hours time in service.

"B" Inspection/Check \*

To be accomplished at intervals not exceeding three hundred (300) hours time in service.

"C" Inspection/Check \*

To be accomplished at intervals not exceeding nine hundred (900)

hours time in service.

"D" Inspection/Check \*

To be accomplished at intervals not exceeding seven thousand (7000) hours time in service. (One-fourth of fleet at 7000, one-fourth of fleet at 14,000, one-fourth at 21,000, and one-fourth of fleet at 28,000).

NOTE:

- \* Revision to the times specified for the "A", "B", and "C" checks can be initiated after accumulation of satisfactory service experience by the submission of an amended Operations Specifications - Maintenance to the assigned inspector for consideration, handling, and approval.
- \*\* The "D" inspection is based on the premise that the details of the "A", "B", and "C" checks will be developed in sufficient depth to assure the airworthiness of the aircraft until the "D" inspection interval is reached.

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-9

	Overhaul Period	Inspection & Check Period
Air Conditioning, Chapter 21	O.C.	A,B,C,D
Valve - Ram Air	O.C.	C
Fan - Heat Exchanger Cooling Air	7000	C,D
Actuator - Valve, Cabin Air Outflow	7000	C,D
Controller - Cabin Pressure	O.C.	C,D
Regulator - Reset, Cabin Pressure Control	12,500	D
Valve - Safety, Cabin Pressure	14,000	C,D
Valve - Pressure Regulator, Air Condition	14,000	C,D
Valve - Flow Control, Air Conditioning	12,500	C,D
Sensor - Pressure Differential, Cabin to Reference	O.C.	C
Indicator - Pressure, Air Conditioning Supply	O.C.	C,D
Indicator - Cabin Rate of Climb	O.C.	C,D

Indicator - Cabin Differential Pressure and Altitude	O.C.	C,D
Turbine - Cooling	7000	C,D
Fan - Cooling, Radio Rack	7000	C,D
Switch - Differential Pressure, Fan	O.C.	C,D
Indicator - Position, Temp. Control Valve	O.C.	C,D
Transmitter - Temp. Control Valve, Position	O.C.	C,D
Indicator - Cabin Duct Temperature	O.C.	C,D
Thermostat - Water, Separator Discharge	7000	C,D
Valve - Temperature Control, Water Separator	12,500	C,D
Auto Pilot, Chapter 22	O.C.	A,B,C,D
Computer - Pitch Axis	7000	C,D
Computer - Roll Axis	7000	C,D
Computer - Stability Augmentation	7000	C,D
Actuator, Mach Trim and Yaw Damper	7000	C
Drive - Elevator and Aileron Servo	7000	C
Panel - Controller	O.C.	B,D
Indicator - Trim	O.C.	B,D
Computer - Air Data	O.C.	B,D

Communications, Chapter 23

The Maintenance Program (overhaul time and intermediate checks) for this chapter is to be established in the local Air Carrier District Office for all units of the communication systems.

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-9

	Overhaul Period	Inspection & Check Period
Electrical System, Chapter 24	O.C.	A,B,C,D
Transmission - Constant Speed Drive	3000	B
Heat Exchanger - Constant Speed Drive Oil Temperature	O.C.	C
Indicator - Constant Speed Drive Oil Temperature	O.C.	C,D
Generator, AC 40KVA	3000	B
Panel, Generator Control	O.C.	C,D
Panel, Bus Control	O.C.	C,D
Regulator, Voltage	O.C.	C,D
Relay - Generator, External Power,		

AC, Crosstie, APU	7000	C
Inverter Emergency	O.C.	C,D
Transformer Rectifier	O.C.	C,D
Battery Charger	O.C.	C,D
Loadmeter (AC and DC)	O.C.	C,D
AC Voltmeter	O.C.	C,D
Frequency Meter	O.C.	C,D
Battery	O.C.	C,D
DC Volt/Ammeter	O.C.	C,D
Equipment and Furnishings, Chapter 25	O.C.	A,B,C,D
Emergency Equipment	O.C.	A,B,C,D
Coffeemaker	O.C.	
Seat Belts	O.C.	A,B,C,D
Fire Protection, Chapter 26	O.C.	A,B,C,D
Fire Detector	O.C.	B
Control - Fire Warning Bell	O.C.	B
Control - Fire Warning Horn, APU	O.C.	B
Container - Fire Extinguisher	5 years	C,D
Cartridge - Dual Squib	4 years	C,D
Flight Controls, Chapter 27	O.C.	A,B,C,D
Actuator Aileron Trim	O.C.	C,D
Damper - Aileron and Elevator	14,000	C,D
Valve - Power Shutoff, Rudder Hydraulic	14,000	C,D
Damper - Rudder	14,000	C,D
Feel Spring - Rudder Trim and Load	O.C.	
Power Package - Hydraulic Rudder Control	14,000	C,D
Actuator Limiter - "Q" Bellows, Rudder Throw	O.C.	C,D

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-9

	Overhaul Period	Inspection & Check Period
Flight Controls, Chapter 27, continued	O.C.	A,B,C,D
Valve - Elevator Control	14,000	C,D
Valve - Hydraulic Return Relief	14,000	C,D
Valve - Hydraulic Pressure Reducer and Bleed	14,000	C,D
Cylinder - Elevator Power Control	14,000	C,D
Accumulator - Hydraulic	O.C.	C,D

Switch - Elevator Press. Low	O.C.	C,D
Motor Actuator - Primary Longitudinal Trim	14,000	C,D
Motor Actuator - Alternate Longitudinal Trim	14,000	C,D
Jack Screw	14,000	C,D
Box - Longitudinal Trim Gear	14,000	C,D
Valve - Wing Flap Control	14,000	C,D
Cylinder - Wing Flap Actuating	14,000	C,D
Transmitter - Flap Position	O.C.	C,D
Indicator - Flap Position, Dual	O.C.	C,D
Actuator - Ground Spoiler, Automatic	14,000	C,D
Valve - Ground Spoiler Control	14,000	C,D
Cylinder - Actuating Ground Spoiler	14,000	C,D
Actuator - Spoiler Flight	14,000	C,D
Fuel System, Chapter 28	O.C.	A,B,C,D
Pump - Boost Fuel	7000	C
Pump - Engine Start	7000	C,D
Valve - Pressure, Crossfeed (Mech)	14,000	C,D
Valve - Engine Fuel Fire Shutoff	14,000	C,D
Valve - APU - Fuel Shutoff (Solenoid)	14,000	C,D
Indicator - Fuel Quantity Master	O.C.	C,D
Indicator - Repeater, Fuel Quantity	O.C.	C,D
Indicator - Totalizer, Fuel Quantity	O.C.	C,D
Probe - Fuel Quantity	O.C.	D
Valve - Fuel Fill	14,000	C,D
Hydraulic System, Chapter 29	O.C.	A,B,C,D
Pump - Hydraulic - Engine Driven	4000	B
Pump - Hydraulic - Electric, Auxiliary	4000	B
Motor Pump - Reversible	14,000	B
Pump - Hand - Ground Service	O.C.	C
Reservoir - Hydraulic System	O.C.	C,D
Accumulator	O.C.	C,D
Valve - Priority	14,000	C
Valve - Spoiler Shutoff and System Depressurization	O.C.	C
Valve - Engine Driven Pump Fire Shutoff	14,000	C
Filters	O.C.	C

Effective date \_\_\_\_\_

		Period
Hydraulic System, Chapter 29, continued	O.C.	A,B,C,D
Indicator - Fluid Quantity - Hydraulic	O.C.	C,D
Transmitter - Fluid Quantity	O.C.	C,D
Indicator - Hydraulic Pressure	O.C.	C,D
Transmitter - Hydraulic Pressure	O.C.	C,D
Switch - Warning - Hydraulic System		
Low Pressure	O.C.	C,D
Thermoswitch - Over Temp Hydraulic Fluid	O.C.	C,D
Ice and Rain Protection, Chapter 30	O.C.	A,B,C,D
Tail De-icer Timer	7000	C
High Pressure Switches	O.C.	C,D
Pressure Regulator & Shutoff Valves	7000	C
Temperature Sensors	O.C.	C
Air Intakes	O.C.	A,C,D
Pitot and Static	O.C.	B,C,D
Wiper and Rain Repellent	O.C.	C,D
Motor	14,000	C,D
Water Lines	O.C.	C
Instruments, Chapter 31	O.C.	A,B,C,D
The Maintenance Program (overhaul time and intermediate checks) for this chapter is to be established in the local Air Carrier District Office for all units in this system including the flight recorder.		
Landing Gear, Chapter 32	O.C.	A,B,C,D
Main Landing Gear	7000	A,B,C,D
Nose Landing Gear	7000	A,B,C,D
Hydraulic Control System	14,000	C,D
Hydraulic Control System (Wheels and Brakes)	O.C.	C
Hydraulic Brake Control Valve	14,000	C
Accumulators	O.C.	A,B
Brake Fluid Quantity Limiter	7000	C,D
Anti-skid System	O.C.	C,D
Control Box	O.C.	C,D
Wheels	O.C.	B
Brakes	O.C.	B
Steering Hydraulic Controls	O.C.	C,D
Steering Control Valve	14,000	C,D
Bypass & Relief Valve	14,000	C,D
Steering Cylinder	14,000	C,D
Nose Wheel Swivel Glands	O.C.	C,D
Positioning and Warning	O.C.	A,B,C,D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-9

	Overhaul Period	Inspection & Check Period
Airborne Auxiliary Power, Chapter 49	O.C.	A,B,C,D
Gas Turbine	2200*	B,C,D
Combustion Chambers	1100*	
Unit & Low Pressure Filters	500*	C
Acceleration & Overtemp Control Thermostat	O.C.	C,D
Ignition Plug	500*	C,D
Starter Motor	2200*	C,D
Load Control Thermostat	O.C.	C,D
Centrifugal Switch	2200*	C,D
Generator - Tach	O.C.	B,C
Oil Filter		C

\* Operating Time for Unit - NOT aircraft time.

Oil Change to be at Manufacturer recommendations.

Structures, Chapter 51	O.C.	A,B,C,D
Doors, Chapter 52	O.C.	A,B,C,D
Snubber - Forward Entrance Door	O.C.	B
Motor - Stairway Gearbox Actuator	O.C.	B,C
Motor - Stairway Handrail	O.C.	B,C
Cylinder - Retract, Ventral Stairs	O.C.	C
Valve - Ventral Stair	O.C.	C
Passenger Aft Entrance Door	7,000	B,C,D
Main Gear Support Fittings and Auxiliary Spars	2500	B,C,D
Emergency Exit Doors, Zone 58 (LH and RH)	7000	B,C,D
Forward Passenger Entrance and Service Door	7000	B,C,D
Electrical and Electronics Compartment Door	14,000	B,C,D
Baggage Compartment Doors	7000	
Framing Around Main Cargo Door	14,000	
Main Cargo Door	28,000	
Fuselage, Chapter 53	O.C.	A,B,C,D
Radome and Pressure Bulkhead	7000	A,B,C,D
Bulkhead Station 786 Internal Structure	28,000	C,D
Floor Beams Station 69 to 148	28,000	C,D
Top of Center Section - Center Aisle Between Inboard Seat Tracks and Sides	28,000	C,D
Fuselage Internal Structure	28,000	C,D
Rear Baggage Compartment Interior	28,000	C,D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-9

	Overhaul Period	Inspection & Check Period
Fuselage, Chapter 53, continued	O.C.	A,B,C,D
Forward Baggage Compartment Interior	28,000	B,C
Body Station 642 Bulkhead	28,000	C,D
Nose Wheel Well - Canted Panel - Support Beams and Adjacent Area	28,000	A,B,C,D
Fuselage Interior Structure Production Splice 817 to 908	7000	D
Nacelle and Pylons, Chapter 54	O.C.	A,B,C,D
Firewall, Pylon, and Engine Mount Fittings	7000	
Fuselage Bulkhead and Pylon Spar Stubs	7000	C,D
Pylon Spar and Structure, Station 786	7000	C,D
Stabilizers, Chapter 55	O.C.	A,B,C,D
Elevator Hinge Attachment, Dampers and Adjacent Structure	7000	B,C,D
Vertical Stabilizer Installation and		
Dorsal Fin Structure	7000	B,C,D
Stabilizer Outer Panel to Center Section Joints, Upper and Lower Surfaces	7000	B,C,D
Rudder Spar and Adjacent Internal Structure Horizontal Stabilizer	7000	B,C,D
Vertical Stabilizer Leading Edge Interior	14,000	
Elevator Front and Rear Spars, Elevator Interior Structure, Elevator Tabs	28,000	B,C,D
Horizontal Stabilizer Leading Edge, Tip, Front Spar and Interior	28,000	C,D
Windows, Chapter 56	O.C.	A,B,C,D
Windshield, LH and RH	O.C.	A,B,C
Window - Cockpit LH and RH Sliding	O.C.	A,B,C
Window - Cockpit LH and RH - Aft	O.C.	A,B,C
Window - Eyebrow LH and RH	O.C.	A,B,C
Windshield - Center	O.C.	A,B,C
Wings, Chapter 57	O.C.	A,B,C,D
Wing Leading Edge Interior	7000	C,D
Wing Tip - Interior	14,000	C,D

Wing to Fuselage Upper Attach Angle	14,000	
Station 484-645	7000	C,D
Wing Flaps - Internal	14,000	C,D
Wing Internal	14,000	
Front Spar - Wing Center Section	28,000	C,D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-9

	Overhaul Period	Inspection & Check Period
Powerplant, Chapter 71	O.C.	A,B,C,D
Nose Cowl	O.C.	A,B,C
Engine Turbine, Chapter 72	4800	
Engine Fuel and Control, Chapter 73	O.C.	A,B,C,D
Fuel Heater Valve	7000	B
Fuel Heater	O.C.	B,C
Fuel Pump	O.C.	B,C
Valve - Pressurizing and Dump	O.C.	B,C
De-icer Timer	O.C.	B
Fuel Control	O.C.	B,C
Indicator - Fuel Temperature	O.C.	B,C
Indicator - Fuel Flow	O.C.	B,C
Power Supply, Fuel Flow	O.C.	C
Switch - Low Fuel Press.	O.C.	C
Transmitter - Fuel Flow	7000	B,C
Eductor - Fuel Vapor	O.C.	B,C
Air, Chapter 75	O.C.	A,B,C,D
Valve - Engine Anti-ice	7,000	C
Valve - Shutoff, Cowl Anti-icing	7,000	C
Valve - Thermostat Control, Cowl Anti-icing	O.C.	C
Engine Controls, Chapter 76	O.C.	A,B,C,D
Engine Indicating, Chapter 77	O.C.	A,B,C,D
Generator - Tachometer N1 and N2	O.C.	C
Indicator - Tachometer N1 and N2	O.C.	C
Transmitter - Engine Press Ratio	O.C.	C
Indicator - Engine Press Ratio	O.C.	C
Monitor - AVM	O.C.	B,C
Indicator - AVM	O.C.	B,C

Pick-Up AVM	O.C.	B,C
Indicator - Exhaust Gas Temp	O.C.	C

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
DOUGLAS DC-9

	Overhaul Period	Inspection & Check Period
Exhaust, Chapter 78	O.C.	A,B,C,D
Gauge - Accumulator Pressure	O.C.	B,C
Accumulator, Thrust Reverser	O.C.	B,D
Actuator - Thrust Reverser Bucket	O.C.	B
Indicating - Thrust Reverser System	O.C.	C
Switch - Low Pressure Warning	O.C.	C
Reverser - Thrust and Exhaust Nozzle	E.O.	B,C
Valve - Control, Thrust Reverser	O.C.	B,C
Oil, Chapter 79	O.C.	A,B,C,D
Cooler - Engine Fuel/Oil	O.C.	B,C
Sensor, Oil Temperature	O.C.	B,C
Indicator - Oil Pressure	O.C.	C
Indicator - Oil Quantity	O.C.	C
Indicator - Oil Temperature	O.C.	C
Switch - Low Pressure Warning	O.C.	B,C
Transmitter - Oil Pressure	O.C.	B,C
Switch - Filter Differential Pressure	O.C.	B,C
Transmitter - Oil Quantity	O.C.	@@@
Starting, Chapter 80	O.C.	A,B,C,D
Starter - Pneumatic	7000	B,C
Valve - Regulating Shutoff, Air Starter	7000	B
Switch - Starter Control	O.C.	B
Ignition - Exciter	12,000	B,C
Igniter Plugs	2000	B,C

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FIGURE 40. OPERATIONS SPECIFICATIONS, AIRCRAFT MAINTENANCE -  
HAWKER SIDDELEY 748 SERIES 2A

PART D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
HAWKER SIDDELEY 748 SERIES 2A

Thorough inspection shall be accomplished in accordance with the applicable procedures as listed in ABC Airlines Maintenance Manual.

Preflight (Pre/Flt) shall be accomplished each service calendar day. Inspection shall be in accordance with the applicable procedures listed in ABC Airlines Maintenance Manual.

Special Inspections.

The frequency and procedure for performing special

inspections will be accomplished as specified in the operator's maintenance manual.

Overhaul and inspection/check period time limitations specified in hours and calendar time are maximum limits of whichever occurs first.

Check A Inspections. To be accomplished within 100 hours of aircraft time in service since last check.

Period Inspections. (PI) The procedure for the performance of period inspections will be accomplished as specified in ABC Airlines Maintenance Manual. Period inspections must be accomplished at intervals not to exceed 500 hours of aircraft time in service. The #1 period inspection will be accomplished each 500 hours of aircraft time in service or 90 days, whichever occurs first.

Aircraft shall not be utilized in air carrier or commercial operations unless:

- a. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in accordance with the schedule of maintenance and inspection functions and procedures set forth in the operator's maintenance manual.
- b. OC "On Condition" items will be maintained in continuous airworthiness condition by periodic and progressive inspections, checks, services, repair, and/or preventive maintenance and shall be appropriately described in the

operator's maintenance manual.

- c. Parts or subcomponents not listed below will be checked, inspected and/or overhauled at the same time limits specified for the component or accessory to which such parts or subcomponents are related.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
HAWKER SIDDELEY 748 SERIES 2A

Abbreviations used in the HS/748 Series 2A maintenance

specifications are defined as follows:

PI - Indicates "Period Inspection"  
PRE/FLT - Indicates "Preflight Inspection"  
FC - Indicates "Functional Check"  
BC - Indicates "Bench Check"  
EO - Indicates "Engine Overhaul"  
EC - Indicates "Engine Change"  
OC - Indicates "On Condition"  
HYD - Indicates "Hydrostatic Test"  
CALIB - Indicates "Calibration"

Life Limited Components

The service life limits for aircraft structural parts and components which are fatigue critical are listed in the Hawker Siddeley 748 Recommended Maintenance Schedule, Pages 12 to 18 inclusive. Engine and propeller life limited parts are listed in the Hawker Siddeley 748 Recommended Maintenance Schedule, and may not be changed without CAA or FAA approval.

\* These items do not have a set overhaul period. If the unit becomes defective before the quoted hours the unit is repaired. If the defect occurs after the quoted hours the unit is overhauled.

\*\* Inspections, Hydrostatic Test, and Life Limits" will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

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OPERATIONS SPECIFICATIONS  
 AIRCRAFT MAINTENANCE  
 HAWKER SIDDELEY 748 SERIES 2A

	OVERHAUL HOURS/YRS.	PRE- FLT.	INSPECTION AND CHECK		
			CHECK A	PERIODS	OTHER
AIR CONDITIONING, CHAPTER 21	OC	X	X	X	
Fans - Radio Crate Cooling	1000/2 yrs.			X	
Fan - Ventilation Fan (AC)	2 yrs.			X	
Fan - Heat Exchanger					
Fan	2000			X	
Temperature Control Valve Actuator	5000/3 yrs.			X	
Actuators - Spill Valve	1000/2 yrs.			X	
Pressure Controller	10,000/ 4 yrs.	X	X	X	
Duct Relief Valve	10,000/ 4 yrs.			X	
Discharge Valve	10,000/ 4 yrs.			X	
Temperature Control Valve	3 yrs.		X	X	
Supercharger	2400			X	
Spill Valve	3000/2 yrs.			X	
Cabin Pressure Safety Valve	10,000/ 4 yrs.			X	
Cold Air Unit	2400			X	
Cabin Pressure Indicator	OC			X	(6000)*
Cabin Height Indicator	OC			X	(6000)*
Spill Valve Position Indicator	OC			X	
Cabin Rate of Climb Indicator	OC	X	X	X	(6000)*
Temperature Control Valve Position Indicator	OC			X	
Spill Valve Position Transmitter	OC			X	
Mass Flow Controller	10,000/ 4 yrs.			X	
COMMUNICATIONS, CHAPTER 23	OC	X	X	X	
To be determined by assigned inspector.					
Station Box	3 yrs.			X	

ELECTRICAL POWER, CHAPTER 24	OC	X	X	X	
Inverter	1000			X	
Generator	2400/3 yrs.			X	Brush change at 1200.
Alternator	2400/3 yrs.			X	Brush change at 1200.

Auto Transformers	OC			X	
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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HAWKER SIDDELEY 748 SERIES 2A

	OVERHAUL HOURS/YRS.	PRE- FLT.	INSPECTION AND CHECK PERIODS	CHECK A	PERIODS OTHERS
EQUIPMENT AND FURNISHINGS, CHAPTER 25	OC	X	X	X	
To be determined by assigned inspector.					
Pilots safety harness	12,000/4 yrs.				
FIRE PROTECTION, CHAPTER 26	OC	X	X	X	
Relay Unit	OC			X	Bench test at 10,000/5 yrs. & 12,000/6 yrs. Scrap at 15,000/7 yrs.
Base Unit	10,000/5 yrs.			X	
Fire Extinguisher Cartridge	2 yrs.			X	
Fire Extinguisher Bottle (Hyd. or retire appropriate for bottle used)	**5 yrs.	X	X	X	

FLIGHT CONTROLS, CHAPTER 27	OC	X	X	X	
Flap Motor	5000 Ldgs/ 3 yrs.			X	
Flap Carriage Assemblies	5000 Ldgs.	X	X	X	
Reversing Contactor	5000 Hrs/			X	
	4 yrs.				
Start Unit	5000/4 yrs.			X	
Flap Position Transmitter	OC			X	
Flap Position Indicator	OC	X	X	X	
FUEL SYSTEM, CHAPTER 28	OC	X	X	X	
Fuel Pump	3200		X	X	
Cock Actuator - LP Cock Pre Saunders Mod. 23	1 yr.			X	
Post Saunders Mod. 23	2 yrs.			X	
Fuel Tank Contents	OC	X	X	X	
HYDRAULIC POWER, CHAPTER 29	OC	X	X	X	
Flow Indicator Valve	2500/6 yrs.			X	
Venting Valve Assembly	6 yrs.			X	
Venting Valve	6 yrs.			X	
Relief Valve	6 yrs.			X	
Cut-Out Valve	6000/6 yrs.			X	
Non Return Valves	6 yrs.			X	
Relief Valve	6 yrs.			X	
Shut Off Valve	OC	X	X	X	FC at EC

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HAWKER SIDDELEY 748 SERIES 2A

	OVERHAUL HOURS/YRS.	PRE- FLT.	INSPECTION AND CHECK PERIODS CHECK A PERIODS OTHER
HYDRAULIC POWER, CHAPTER 29 (Cont'd)			
Hydraulic Pump	5000/6 yrs.		X
Pressure Release Valve	6 yrs.		X

Relief Valve	6 yrs.			X
Hydraulic Accumulator	6 yrs.			X
Accumulator Air Bottle	5 yrs.			X
Hand Pump	6 yrs.			X
HP/LP Valve	OC			

(Starboard wing torsion box)				X	FC at EC
Hydraulic and Brake Accumulator					
Pressure Indicators	OC	X	X	X	

ICE AND RAIN PROTECTION

CHAPTER 30	OC	X	X	X
De-icing Timer	6000/6 yrs.			X
Disbribution Valves	7000/6 yrs.			X
Non Return Valves	7000/6 yrs.			X
Regulator Valve	7000/6 yrs.			X
Relief Valves	7000/6 yrs.			X
De-icing Timer	3000			X
Pump Unit	10,000		X	X

INSTRUMENTS, CHAPTER 31	OC	X	X	X
To be determined by assigned inspector.				
Flight Data Recorder	2000 hrs.	X	X	X
Fatigue Meter	10,000 counts			X
	on any one counter.			
	Pre Mod Z107 or CN 4233, 30,000 counts			
Flight Clock	OC	X	X	X
	Post Mod/2 yrs.			

LANDING GEAR, CHAPTER 32	OC	X	X	X
Selector Valves	6 yrs.			X
Non Return Valves	6 yrs.			X
Footmotor	12,000			X
Brake Control Valve	12,000			X
Accumulator	10,000	X	X	X
Reducing Valve	12,000			X

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
HAWKER SIDDELEY 748 SERIES 2A

OVERHAUL      PRE-      INSPECTION AND CHECK

HOURS/YRS. FLT. PERIODS  
CHECK A PERIODS OTHER

LANDING GEAR, CHAPTER 32  
(Cont'd)

Pressure Relay	12,000			X	
Steering Selector Valve	10,000 Ldgs.			X	
Steering Control Valve	10,000 Ldgs.			X	
Steering Jack	10,000 Ldgs.			X	
Double Relief Valve	10,000 Ldgs.			X	
Nose Down Lock	10,000 Ldgs.		X	X	
Main Down Lock	10,000 Ldgs.		X	X	
Restrictors	10,000 Ldgs.			X	
Up Lock Jack	10,000 Ldgs.		X	X	
Nose Down Lock Jack	10,000 Ldgs.			X	
Main Down Lock Jack	10,000 Ldgs.			X	
Nose Jack	10,000 Ldgs.			X	
Main Jack	10,000 Ldgs.			X	
Up Lock Jack	10,000 Ldgs.		X	X	
Modulator	6000 Ldgs.			X	
Main Landing Gear Leg	10,000 Ldgs.	X	X	X	
Cross Beam and Radius Rod	10,000 Ldgs.		X	X	
Up Locks	10,000 Ldgs.			X	
Nose Landing Gear Leg	10,000 Ldgs.	X	X	X	
Steering Selector Valve	10,000 Ldgs.			X	
Maxarets					
Pre Mod 725	3000 Ldgs.			X	
Post Mod 725	OC			X	

LIGHTS, CHAPTER 33	OC	X	X	X	
Emergency Lights	OC	X	X	X	

NAVIGATION, CHAPTER 34	OC	X	X	X	
To be determined by an assigned inspector.					
Lift Transducer	10,000/5 yrs.			X	
Signal Summing Unit	5000			X	
Control shaker	5000			X	
Flap Potentiometer	15,000/5 yrs.			X	
Artificial Horizon Controller	1500	X	X	X	
	3 yrs.			X	
Airspeed Indicator	OC		X	X	*(6000)
Altimeter LH	OC	X	X	X	*(4000)
Altimeter RH	OC	X	X	X	*(4000)
Altitude Alerting Unit	OC			X	*(6000)
Rate of Climb Indicator	OC	X	X	X	*(6000)

Turn and Slip Indicator	OC	X	X	*(3000)
Compass Type E2B	OC		X	

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS/YRS.	PRE- FLT.	INSPECTION AND CHECK PERIODS	
			CHECK A	PERIODS OTHER
OXYGEN SYSTEM, CHAPTER 35	OC	X	X	X
Oxygen Cylinder (Hyd or retire appropriate for bottle used)	**5 yrs.	X	X	X
Portable Oxygen Sets (Hyd or retire appropriate for bottle used)	**5 yrs.	X	X	X
Mask	5 yrs.			X
DOORS, CHAPTER 52	OC	X	X	X
Airstairs	4000/2 yrs.	X	X	X
Selector Valve	10,000 Ldgs.		X	X
Inspect areas in accordance with Hawker Siddeley HS-748 Series 2A Maintenance Manual.				
FUSELAGE, CHAPTER 53	OC	X	X	X
Inspect areas in accordance with Hawker Siddeley HS-748 Series 2A Maintenance Manual.				
NACELLES, CHAPTER 54	OC	X	X	X
Inspect areas in accordance with Hawker				

Siddeley HS-748 Series  
2A Maintenance Manual.

STABILIZERS, CHAPTER 55	OC	X	X	X
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Inspect areas in accordance with Hawker Siddeley HS-748 Series 2A Maintenance Manual.

WINDOWS, CHAPTER 56	OC	X	X	X
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Inspect areas in accordance with Hawker Siddeley HS-748 Series 2A Maintenance Manual.

WINGS, CHAPTER 57	OC	X	X	X
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Inspect areas in accordance with Hawker Siddeley HS-748 Series 2A Maintenance Manual.

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OPERATIONS SPECIFICATIONS,  
AIRCRAFT MAINTENANCE  
HAWKER SIDDELEY 748 SERIES 2A

	OVERHAUL	PRE-	INSPECTION AND CHECK		
	HOURS/YRS.	FLT.	PERIODS		
			CHECK A	PERIODS	OTHER
PROPELLERS, CHAPTER 61	OC	X	X	X	
Propeller Control Unit	3000/3yrs.	X	X	X	Refer to
Feathering Pump Unit	3000/3 yrs.	X	X	X	Dowty
Feathering Pump Motor	3000			X	Rotol
Propeller	3000/3 yrs.	X	X	X	Service
Synchronising Alternator	3000/3 yrs.			X	Bulletin
Synchronising Corrector	3000/3 yrs.			X	61-519-11
Low Torque Switch	EO			X	
Propeller Brake Valve	12,000			X	
Non Return Valve	6 yrs.			X	

ENGINE, CHAPTER 72	OC	X	X	X
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Engine  
Overhaul life to be in accordance with Rolls Royce Service Bulletin Da 70-8.

Intake Heater Pad	EO	X	X	X	
ENGINE FUEL AND CONTROL,					
CHAPTER 73	OC	X	X	X	
Fuel Flow Indicator	5000	X	X	X	
Fuel Flow Computer	5000			X	
Fuel Flow Transmitters	3000			X	
Fuel Datum Position					
Indicator	OC			X	
Fuel Datum Transmitter	OC			X	
Fuel Low Pressure Switch	OC			X	*(6000)
ENGINE AIR, CHAPTER 75					
Fuel Heater Valve	EO	X	X	X	
ENGINE CONTROL,					
CHAPTER 76	OC	X	X	X	
Fuel Datum Actuators	4500			X	
Cables	OC			X	Refer to life limits section of Maintenance Schedule.
ENGINE INDICATING,					
CHAPTER 77	OC	X	X	X	
R.P.M. Generator	EO			X	
Torque Pressure					
Transmitter	EO			X	
Thermocouples	EO			X	
R.P.M. Indicators	OC			X	*(5000)
R.P.M. Generators	OC			X	*(5000)

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

HAWKER SIDDELEY 748 SERIES 2A

	OVERHAUL	PRE-	INSPECTION AND CHECK
	HOURS/YRS.	FLT.	PERIODS
ENGINE INDICATING,			CHECK A PERIODS OTHER

CHAPTER 77 (Cont'd)

Oil Pressure and Temperature Indicator	OC			X	*(6000)
Torque Pressure Indicator	OC			X	
Torque Pressure Transmitter	OC			X	

ENGINE OIL, CHAPTER 79	OC	X	X	X	
Pressure Transmitter	EO			X	
Oil Pressure Switch	EO			X	
Oil Pressure Transmitter	OC			X	
Low Oil Pressure Switch	OC			X	

STARTING, CHAPTER 80	OC	X	X	X	
Starter, Motor	4 yrs/EO			X	

WATER INJECTION, CHAPTER 82	OC	X	X	X	
Water Methanol Pump	3200			X	
Water Methanol Indicators	OC	X	X	X	
Water Methanol Transmitters	OC			X	

ACCESSORY GEARBOX, CHAPTER 83	OC	X	X	X	
Gearbox	3000/3 yrs.		X	X	Refer to Dowty Rotol Service Bulletin 83-362-11

Gearbox Drive Shaft	3000/3 yrs.		X	X	Never exceed 50 Hr Lub.
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Effective date \_\_\_\_\_

FIGURE 41. OPERATIONS SPECIFICATIONS, AIRCRAFT MAINTENANCE -  
FAN JET FALCON-10

Form Approved.  
OMB No. 04-R0075

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
WASHINGTON

PART D

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
FAN JET FALCON-10

Aircraft shall not be utilized in air carrier or commercial operations unless:

- a. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in accordance with the schedule of maintenance and inspection functions and procedures set forth in the operator's maintenance manual.
- b. OC "On Condition" items will be maintained in continuous airworthiness condition by periodic and progressive inspections, checks, services, repair, and/or preventive maintenance and shall be appropriately described in the operator's maintenance manual.
- c. Parts or subcomponents not listed below will be checked, inspected, and/or overhauled at the same time limits specified for the component or accessory to which such parts or subcomponents are related.

Abbreviations used in the FAN JET FALCON maintenance specifications are defined as follows:

FC - Indicates "Functional Check"  
IC - Indicates "Inspection Check"  
EO - Indicates "Engine Overhaul"  
EC - Indicates "Engine Change"

OC - Indicates "On Condition"  
HYD - Indicates "Hydrostatic Test"  
CAL - Indicates "Calibration"  
OP - Indicates "Operational Check"  
S - Indicates "Servicing"

Inspection, replacement, and/or overhaul of fatigue critical parts having service life limits will be accomplished as listed, and in accordance with the S.G.A.C. - Approved Flight Manuals for Fan Jet Falcon-10.

Preflight Inspection

To be accomplished each service calendar day.

Inspection "A" Period

To be accomplished at intervals not to exceed 150 hours time in service or six months, whichever occurs first.

Inspection "B" Period

To be accomplished at intervals not to exceed 1000 hours time in service or twelve months, whichever occurs first.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE - GENERAL  
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Inspection "C" Period

To be accomplished at intervals not to exceed 2,800 hours time in service or four years, whichever occurs first.

Inspection "2C" Period

To be accomplished at intervals not to exceed 5,600 hours time in service or eight years, whichever occurs first.

Special Inspections

The frequency and procedure for performing special inspections will be accomplished as specified in the operator's maintenance

manual.

Overhaul and inspection/check period time limitations specified in hours and calendar time are maximum limits of whichever occurs first.

\*\* Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect."

- \* NOTE (1) To be discarded.
- \* NOTE (2) On coupling unit G.
- \* NOTE (3) For servicing of extinguisher bottles, see CFR 49, Part 173.34(e).

- \* NOTE (4) For servicing of extinguisher, see CFR 49, Part 173.34(e) 11, 14, and 15.
- \* NOTE (5) See GARRETT maintenance manual.
- \* NOTE (6) Included in SECAN nozzle assembly.
- \* NOTE (7) For servicing of oxygen cylinders, see CFR 49, Part 173.34(e) 13.

OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				OTHER
		A	B	C	2C	
AIR CONDITIONING, CHAPTER 21	OC	X	X	X	X	
Pressure reducing valve Replacement of diaphragm	OC 2800/4 yrs.		X	X	X	FC
Air conditioning electrovalve	2800 hrs.		X	X	X	
Replacement of brushes	1400 hrs.					I/C, OP
Pressurization regulating valves	2800/4 yrs.		X	X	X	
Check of removed diaphragm	2000/2 yrs.					I/C
Safety valve	2800/4 yrs.		X	X	X	
Check of removed diaphragm	2000/2 yrs.					I/C
Altitude pressure switch Calibration	OC 2800/4 yrs.		X	X	X	CAL
Freon compressor motor Check of brushes	5600 1000/1 yr.		X	X	X	I/C, OP
Blower Replacement of brushes	OC 5600/4 yrs.		X	X	X	*NOTE (6) I/C, OP
Freon heat-exchanger blower	OC		X	X	X	
Replacement of brushes	1000/1 yr.					OP
Replacement of ball bearings	2800/4 yrs.					OP

Temperature regulating valve	OC	X	X	X	
Replacement of brushes; check of actuator condition.	2800/4 yrs.				I/C, OP

AUTO PILOT, CHAPTER 22	OC	X	X	X	X
To be determined by assigned inspector.					

COMMUNICATIONS, CHAPTER 23	OC	X	X	X	X
To be determined by assigned inspector.					

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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OVERHAUL	INSPECTION AND CHECK PERIOD				
HOURS/YRS.	A	B	C	2C	OTHER

ELECTRICAL POWER,

CHAPTER 24	OC	X	X	X	X
Battery	OC	X	X	X	X
Removal for servicing	2 mos.				S
Starter-generator	1500 hrs.		X	X	X
Check of brush wear and slip ring condition	300 hrs.				I/C, OP
Battery Blower	OC	X	X	X	X
Check of brushes	5600/8 yrs.				I/C, OP

EQUIPMENT FURNISHINGS, CHAPTER 25	OC	X	X	X	X
To be determined by assigned inspector.					

Shoulder Harness & Harness Reels	OC		X	X	X
----------------------------------	----	--	---	---	---

FIRE PROTECTION, CHAPTER 26		OC	X	X	X	X	
Freon extinguisher bottle	**5 yrs.		X	X	X	X	* NOTE (3)
Weighing	1 yr.		X	X	X	X	I/C
Replacement of squibs	2 yrs.		X	X	X	X	I/C
CO2 extinguisher	**5 yrs.		X	X	X	X	* NOTE (4)
Weighing	6 mos.		X	X	X	X	I/C
FLIGHT CONTROLS, CHAPTER 27		OC	X	X	X	X	
Elevator servo-control	8 yrs.				X	X	
Check of travel speed and check for leakage on stop; Lubrication of bearings							FC/S 2800/4 yrs
Rudder servo-control	8 yrs.				X	X	
Check of travel speed and check for leakage on stop; Lubrication of bearings							FC/S 2800/4 yrs

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				
		A	B	C	2C	OTHER
FLIGHT CONTROLS, CHAPTER 27 (Cont'd)						
Aileron servo-control	8 yrs.			X	X	
RH side						
LH side						
Check of travel speed and check for leakage on stop; Lubrication of bearings.						FC/S 2800/4 yrs.

Trim jack (rudder and aileron)	10 yrs.		X	X		FC 2800/4 yrs.
Check of axial clearance, travel and electric motor (brushes, insulation)						
Trim control box	10 yrs.		X	X	X	FC 1000/1 yr.
Main AFS Internal lubrication and check of radial clearance.	OC		X	X	X	FC/S 2800/4 yrs.
Secondary AFS (aileron)	10 yrs.		X	X	X	I/C, S 2800/4 yrs.
AMEDEE COUPLING Measurement of gear teeth meshing play; Lubrication	OC	X	X	X	X	FC, S 2800/4 yrs.
Pressure Relief Valves	8 yrs.		X	X	X	FC, 1000/1 yr.
Anti-gust valve	8 yrs.	X	X	X	X	FC,

150

Main AFS Internal lubrication and check of radial clearance.	OC		X	X	X	FC, S 2800/4 yrs.
Secondary AFS (rudder) Internal lubrication and check of radial clearance.	OC		X	X	X	FC, S 2800/4 yrs.
Main AFS Internal lubrication and check of radial clearance.	OC		X	X	X	FC, S 2800/4 yrs.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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OVERHAUL      INSPECTION AND CHECK PERIOD

	HOURS/YRS.	A	B	C	2C	OTHER
FLIGHT CONTROLS, CHAPTER 27 (Cont'd)						
Rudder Linear ARTHUR Jack	8 yrs.		X	X	X	FC, S 1000/1 yr.
Secondary AFS (elevator)	10 yrs.		X	X	X	I/C, S 2800/4 yrs.
Electrical ARTHUR Jack Check of motor (brushes, insulation, motor stop overrun)	3000 hrs.	X	X	X	X	OP 2800/4 yrs.
Electrical stabilizer jack Check of motor (brushes, insulation)	3000 hrs.	X	X	X	X	OP 2800/4 yrs.
Potentiometer box	10 yrs.		X	X	X	FC 1000/1 yr.
Airbrake jack	8 yrs.		X	X	X	FC 1000/1 yr.
Airbrake distributor	8 yrs.		X	X	X	FC 1000/1 yr.
Microswitch box	2800 hrs.	X	X	X	X	FC 1000/1 yr.
Switches Stabilizer Trim OC		X	X	X	X	FC, S 1000/1 yr.
Reduction gear motor	2400 hrs.		X	X	X	FC 1000/1 yr.
Screw jacks LH outboard jack RH outboard jack Inboard jack Inboard jack	2400 hrs.		X	X	X	FC 1000/1 yr.
Slat distributor	8 yrs.		X	X	X	FC 1000/1 yr.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				
		A	B	C	2C	OTHER
FLIGHT CONTROLS, CHAPTER 27 (Cont'd)						
Stand-by slat distributor	8 yrs.		X	X	X	FC 1000/1 yr.
Slat jacks	8 yrs.		X	X	X	FC  1000/1 yr.
Slat jacks	8 yrs.		X	X	X	FC 1000/1 yr.
Slat jacks	8 yrs.		X	X	X	FC 1000/1 yr.
Stand-by outboard slat jacks	8 yrs.	@	X	X	X	FC 1000/1 yr.
Yaw damper jack	8 yrs.		X	X	X	FC 1000/1 yr.
FUEL, CHAPTER 28	OC		X	X	X	X
Booster pump	OC		X	X	X	FC 2800/4 yrs.
Replacement of brushes	1200 hrs.					OP
Replacement of bearings	2400 hrs.					OP
LP crossfeed valve actuator	OC		X	X	X	*NOTE (2)
Check of brushes and slip ring						OP, 2800/4 yrs.
Pressure switch	OC		X	X	X	
Check of calibration						CAL. 2800/4 yrs.
Indicator	2800 hrs.		X	X	X	OP

1000/1 yr.

HYDRAULIC POWER, CHAPTER 29	OC	X	X	X	X	
Pressurization reducing valves	OC		X	X	X	
Replacement of diaphragm						FC, 2800/4 yrs.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				OTHER
		A	B	C	2C	
HYDRAULIC POWER, CHAPTER 29 (Cont'd)						
Pressure switch Check of calibration	OC		X	X	X	CAL. 2800/4 yrs.
Hydraulic pump	2400 hrs.		X	X	X	OP 1000/1 yr.
Electropump	4800 hrs.		X	X	X	OP 1000/1 yr.
Pressure switch	OC		X	X	X	CAL. 2800/4 yrs.
Pressure transmitter	OC		X	X	X	CAL. 2800/4 yrs.
ICE AND RAIN PROTECTION, CHAPTER 30	OC	X	X	X	X	
Wing anti-icing air valve	2800 hrs.	X	X	X	X	OP, 1000/1 yr.
Windshield wiper	OC	X	X	X	X	FC, 1000/1 yr.

Servicing						S,
Anti-icing valve	2800 hrs.	X	X	X		5600/8 yrs.
						OP,
						1000/1 yr.
INSTRUMENTS, CHAPTER 31	OC	X	X	X	X	
To be determined by						
assigned inspector.						
LANDING GEAR, CHAPTER 32	OC	X	X	X	X	
Pressure switch	OC		X	X	X	CAL.
						2800/4 yrs.
Main gear struts	5600 hrs.	X	X	X	X	
Effective date	_____					

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				
		A	B	C	2C	OTHER
LANDING GEAR, CHAPTER 32 (Cont'd)						
Ball joint bearings	5600 hrs.	X	X	X	X	
Front						
Rear						
Main shock strut	5600 hrs.	X	X	X	X	
Actuating cylinder assembly	5600 hrs.	X	X	X	X	
LH side						
RH side						
Nose gear	5600 hrs.	X	X	X	X	
Actuating cylinder assembly	5600 hrs.	X	X	X	X	
Pressure reducing solenoid valve	4800 hrs.		X	X	X	

Main gear wheel	OC	X	X	X	X	
Visual inspection, lubrication of bearings. Eddy current or ultra sonic inspection.						At each wheel change 1500 hrs., then at each tire change.
Nose gear wheel	OC	X	X	X	X	
Visual inspection, lubrication of bearings. Eddy current or ultra sonic inspection.						At each wheel change 2800 hrs., then at each tire change.
Servo-valve	3600 hrs.		X	X	X	FC 1000/1 yr.
Anti-skid speed sensor	OC		X	X	X	CAL., 2800/4 yrs.
LIGHTS, CHAPTER 33	OC	X	X	X	X	
Anti-collision light Check of motor	OC		X	X	X	OP, 2800/4 yrs.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
FAN JET FALCON-10

	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				
		A	B	C	2C	OTHER
NAVIGATION, CHAPTER 34 To be determined by assigned inspector.	OC	X	X	X	X	
Encoder altimeter	OC		X	X	X	CAL/2 yrs.
Altimeter	OC		X	X	X	CAL/2 yrs. PER IDC Overhaul

						Manual.
Mach Meter	OC	X	X	X		CAL/2 yrs. PER IDC Overhaul
						Manual.
Overspeed warning device	OC	X	X	X		CAL/2 yrs
OXYGEN, CHAPTER 35	OC	X	X	X	X	
Oxygen cylinder	**3 yrs.	X	X	X	X	S Service life 15 yrs * NOTE (7)
Pressure reducing valve	OC	X	X	X		CAL., 2800/4 yrs.
Altitude sensitive valve	4 yrs.	X	X	X		FC, 1000/1 yr.
PNEUMATIC, CHAPTER 36	OC	X	X	X	X	
(P2) Unit	2400 hrs.	X	X	X	X	I/C, 150/6 mos.
HP isolation pneumatic valve	2800 hrs.	X	X	X	X	I/C, 150/6 mos.
DOORS, CHAPTER 52	OC	X	X	X	X	
Inspect areas in accordance with Falcon-10 Maintenance Manual.						

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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OVERHAUL      INSPECTION AND CHECK PERIOD  
HOURS/YRS.      A    B    C    2C    OTHER

FUSELAGE, CHAPTER 53	OC	X	X	X	X	
Inspect areas in						
accordance with Falcon-10						
Maintenance Manual.						
NACELLES, CHAPTER 54	OC	X	X	X	X	
Inspect areas in						
accordance with Falcon-10						
Maintenance Manual.						
STABILIZERS, CHAPTER 55	OC	X	X	X	X	
Inspect areas in						
accordance with Falcon-10						
Maintenance Manual.						
WINDOWS, CHAPTER 56	OC	X	X	X	X	
Inspect areas in						
accordance with Falcon-10						
Maintenance Manual.						
WINGS, CHAPTER 57	OC	X	X	X	X	
Inspect areas in						
accordance with Falcon-10						
Maintenance Manual.						
ENGINE, CHAPTER 72	OC	X	X	X	X	* NOTE (5)
Service, inspection and						
overhaul life limits to						
be in accordance with						
Garrett Air Research						
Service Bulletins						
TFE731-72-3001 and						
TFE-731-72-3002.						
ENGINE CONTROLS,						
CHAPTER 76	OC	X	X	X	X	
Power control						
mechanical linkage	4000 hrs.	X	X	X	X	* NOTE (1)
						Scrap S,
						1000/1 yr.

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 AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS/YRS.	INSPECTION AND CHECK PERIOD				
		A	B	C	2C	OTHER
ENGINE CONTROLS, CHAPTER 76 (Cont'd)						
Power control linkage (cable and box assembly) LH side RH side Lubrication of bearings and cable.	OC	X	X	X	X	IC/S    1000/1 yr.
OIL, CHAPTER 79	OC	X	X	X	X	
Oil pressure switch	OC		X	X	X	CAL. 2800/4 yrs.

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FIGURE 42. OPERATIONS SPECIFICATIONS, AIRCRAFT MAINTENANCE -  
 GATES LEARJET MODELS 35/36

Form Approved

UNITED STATES OF AMERICA    OMB. No. 04-R0075  
 DEPARTMENT OF TRANSPORTATION  
 FEDERAL AVIATION ADMINISTRATION  
 WASHINGTON

PART D

Preface Page 1 of 1

OPERATIONS SPECIFICATIONS  
 PREFACE PAGE  
 AIRCRAFT MAINTENANCE  
 ABC AIRLINES  
 LEAR 35/36

Irrespective of the type of operation to be conducted by ABC

Airlines, the continuous airworthiness and inspection program limitations which are described and specified in these Operations Specifications shall be applicable to all ABC Airlines aircraft listed and authorized for use under Federal Aviation Regulations Part \_\_\_\_\_. ABC Airlines shall provide in its currently effective Maintenance Manual a comprehensive program necessary to fulfill the responsibility to maintain the aircraft in an airworthy condition in accordance with the applicable Federal Aviation Regulations and standards prescribed and approved by the Administrator.

Aircraft shall not be utilized in air carrier \_\_\_\_\_ operations unless:

- a. The aircraft and its component parts, accessories, and appliances are maintained in an airworthy condition in accordance with the schedule of maintenance and inspection procedures and functions set forth in the operator's maintenance manual.
- b. OC "on condition" items will be maintained in continuous airworthiness condition by periodic and progressive inspections, checks, services, repair, and/or preventive maintenance and shall be appropriately described in the operator's maintenance manual.
- c. Parts or subcomponents, not listed below, will be checked, inspected, and/or overhauled at the same time limits specified for the component or accessory to which such parts or subcomponents are related.

AVIONICS SYSTEMS. The term "system" means all those interdependent subassemblies, component parts, etc., necessary for the proper functioning of the system as a whole. The term "Bench Check" includes calibration, if necessary, to return the unit to service in accordance with the manufacturer's procedures.

Abbreviations used in the maintenance specifications are defined as follows:

FC - Indicates "Functional Check"  
BC - Indicates "Bench Check"  
EO - Indicates "Engine Overhaul"  
EC - Indicates "Engine Change"  
OC - Indicates "On Condition"  
HYD - Indicates "Hydrostatic Test"  
C - Indicates "Calibration"  
SI - Indicates "Special Inspections"

ESV - Indicates "Engine Shop Visit"

HR - Indicates "Hours"  
MO - indicates "Months"  
YRS - Indicates "Years"

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
ABC AIRLINES  
LEAR 35/36

Maintenance and inspections shall be accomplished in accordance with the applicable procedures as listed in ABC Airlines Maintenance Manual.

#1 insp. shall be accomplished prior to the originating flight from a maintenance base each day. In the event the aircraft is away from a station where qualified maintenance personnel are not available, the #1 inspection shall be accomplished prior to exceeding 20 hours time in service or seven days, whichever comes first.

#2 insp. shall be accomplished at basic intervals of 75 hours times in service and shall be repeated each 75 hours time in service after a #3 or #4 inspection has been accomplished.

#3 insp. shall be accomplished at intervals not to exceed 150 hours time in service.

#4 insp. shall be accomplished at intervals not to exceed 300 hours time in service.

The inspection cycle #2, #3, #2, #4, #2, #3, etc., shall be repeated in this sequence.

In addition to the #1, #2, #3, #4 inspections there are (other) inspections required. These inspections are explained in the notes below or are self-explanatory.

Overhaul times listed in hours, years and cycles are maximum limits, whichever comes first. Time replacement items must be replaced where "replace" is indicated.

ESV - Engine Shop Visit. The engine shop visit shall be

accomplished at five hundred hours (500) time in service in accordance with Airesearch TFE 731-72 maintenance manual.

NOTE 1: Replace engine elements having service life limits as

established in Airesearch Service Bulletin TFE 731-72-3001, Revision #4, dated 2-28-75 and AD 75-05-12 pertaining to Airesearch Manufacturing Company.

NOTE 2: Replace structural components at replacement lives shown in FAA approved Learjet Report 26-S47. These replacement lives are also shown in the Learjet Model 35 Maintenance Manual (ref. Type Data Sheet No. ATOCE under "Equipment").

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
ABC AIRLINES  
LEAR 35/36

	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD					
			#1	#2	#3	#4	OTHER
Chapter 21 - Air Conditioning							
Air Conditioning System	OC					X	
Valve, Bleed Air Check	6,000	10				X	
Valve, Flow Control	4,000	4				X	
Valve, Hot Air Bypass	6,000	10				X	
Heat Exchanger	6,000	10				X	
Valve, Ram Air Check	6,000	10				X	
Indicator, Temp Control	6,000	10				X	
Heater, Cabin Auxiliary	6,000	10				X	
Selector, Temperature	6,000	10				X	
Unit, Temperature Control	OC					X	
Sensor, Cabin Temperature	OC					X	
Thermostat, Hi Limit	OC					X	
Sensor, Duct Temperature	OC					X	
Sensor, Cabin Skin Temperature	OC					X	
Compressor, Freon	3,600	3	X	X	X	X	
Motor, Compressor	6,000	10	X	X	X	X	
Condensor	10,000	10				X	
Dehydrator	10,000	10				X	
Switch, Refrig. Pressure	6,000	10				X	
Evaporator	10,000	10				X	
Blower, Cabin	2,400	4				X	
Fan, Cockpit Cooling	2,400	4				X	
Valve, Expansion	6,000	8				X	
Valve, Cabin Air Exhaust	4,000	4				X	
Valve, Diff Press. Relief	6,000	10				X	
Pump, Pressurization Jet	6,000	10				X	
Module, Pressurization	6,000	10				FC @	

Limiters, Cabin Altitude	OC								1200 hr
Valve, Cabin Safety	4,000	4							X
Aneroid, Cabin Press. Warning	OC								X FC @
									1200 hr
Aneroid, Cabin Pressurization	OC								X FC @
									1200 hr
Indicator, Cabin Temperature	OC								X

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
ABC AIRLINES  
LEAR 35/36

		OVERHAUL	INSPECTION AND CHECK				
		HOURS OR	PERIOD				
		YEARS	#1	#2	#3	#4	OTHER
Chapter 22 - Auto Pilot							
Auto Pilot System	OC						X
Controller, Autopilot	OC						X
Computer/Controller, Yaw	OC						X
Sensor, Air Data	OC						X
Computer, Autopilot	OC						X BC @ 900 hr
Accelerator, Lateral							
Indicator, Yaw Damper	OC						X
Capstan, Servos	OC						X SI @ 600 hr
Actuator, Servo							
	OC						X SI @ 600 hr
Computer, Mach Trim	OC						X
Followup, Mach Trim	OC						X
Rate Gyro	OC						X
Box, Flt. Direct Interface	OC						X

Chapter 23- Communications	OC		X	X	X	X	
To be determined by assigned inspector.							

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE

ABC AIRLINES  
LEAR 35/36

	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
		#1	#2	#3	#4	OTHER
Chapter 24 - Electrical Power						
Electrical Power System	OC	X	X	X	X	
Inverter, Primary	OC	X	X	X	X	
Sensor, AC Overload	OC		X	X	X	
Relay, AC Power	OC		X	X	X	
Autotransformer	OC					X
Inverter, Secondary	OC	X	X	X	X	
Box, AC Parallel Control	OC					X
Voltmeter, AC	OC	X	X	X	X	
Generator	OC		X	X	X	
Regulator, Gen. Voltage	OC		X	X	X	
Sensor, Gen. Overload	OC					X
Relay, Gen. Feeder Bus	OC					X
Ammeter, Generator	OC		X	X	X	
Box, Generator Control	OC					X
Voltmeter, DC	OC	X	X	X	X	
Battery	OC	X	X	X	X	
Relay, Battery	OC					X
Switch, Batt. Hi Lim. Temp.	OC		X	X	X	
Sensor, Batt. Temp.	OC		X	X	X	
Indicator, Battery Temp.	OC	X	X	X	X	
Battery, Emergency Light	OC	X	X	X	X	
Receptacle, External Power	OC		X	X	X	
Relay, External Power	OC		X	X	X	
Chapter 25 - Equipment/ Furnishings						
Equipment & Furnishings	OC		X	X	X	
Seat, Crew	OC		X	X	X	
Seat, Passenger	OC		X	X	X	
Belt	OC		X	X	X	
Harness/Reel Shlder	OC		X	X	X	
Life Vests	24 mo.		X	X	X	
Drag Chute	OC					X

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	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
		#1	#2	#3	#4	OTHER
Chapter 26 - Fire Protection						
Fire Protection System	OC	X	X	X	X	FC @ 600 hr
Sphere, Fire Extinguisher (ICC/DOT - 4DA)	5 yrs. **	X	X	X	X	
Cartridges, Explosive, Fire Exting.	3 yrs.					X
Valve, Fire Ext. 2 Way Ck	OC		X	X	X	FC @ 600 hr
Element, Sensor	OC	X	X	X	X	
Control Unit, Fire Detector	OC	X	X	X	X	
Engine, Fire Detector System	OC	X	X	X	X	
Extinguisher, Portable (6BC Dry Chemical)	OC		X	X	X	
** Inspections, Hydrostatic Test, and Life Limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.						
Chapter 27 - Flight Controls						
Flight Controls	OC		X	X	X	
Aileron	NOTE 2	X	X	X	X	SI @ 600 hr
Drive Assy, Aileron	NOTE 2		X	X	X	
Bolt, Ail. Drive Yoke	NOTE 2		X	X	X	
Bolt, Ail. Hinge	NOTE 2		X	X	X	
Tab, Aileron Trim	NOTE 2	X	X	X	X	
Actuator, Aileron Trim Tab	OC	X	X	X	X	FC @ 600 hr
Potentiometer, Ail. Trim	OC		X	X	X	FC @ 600 hr
Tab, Aileron Balance	NOTE 2	X	X	X	X	
Wheel, Control	20,000			X	X	
Column, Control	20,000			X	X	
Cables, Flight Control	NOTE 2		X	X	X	
Indicator, Ail. Trim Pos.	OC		X	X	X	FC @ 600 hr
Rudder	NOTE 2		X	X	X	SI @ 600 hr
Hinges, Rudder	NOTE 2		X	X	X	
Supports, Rudder	NOTE 2		X	X	X	
Sector, Rudder Servo	OC		X	X	X	
Tab, Rudder	NOTE 2	X	X	X	X	
Actuator, Rudder Trim Tab	OC	X	X	X	X	FC @ 1200 hr
Potentiometer, Rudder Trim	OC		X	X	X	FC @

Indicator, Rudder Trim Pos.	OC	X	X	X	X	FC @	1200 hr
							1200 hr

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OPERATIONS SPECIFICATIONS  
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	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD					
		#1	#2	#3	#4	OTHER	
Chapter 27 - continued							
Elevator	NOTE 2	X	X	X	SI	@ 600	hr
Downspring Assy, Elevator	OC	X	X	X	SI	@ 600	hr
Stabilizer, Horizontal	NOTE 2	X	X	X			
Hinge Pin, Horizontal	NOTE 2				SI	@ 600	hr
Stabilizer							
Actuator, Horizontal	OC				SI	@ 600	hr
Stabilizer							
Bolt, Stabilizer Actuator	NOTE 2				SI	@ 600	hr
Attach							
Indicator, Horizontal	OC	X	X	X	X	FC @ 600	
Stabilizer Posi							hr
Flap Assembly	NOTE 2	X	X	X	X		
Actuator, Flap	OC		X	X	X		
Support, Flap	NOTE 2				X		
Track, Flap	NOTE 2				X		
Bushings, Flap Roller	1,200				X		
Valve, Flap Control	OC				X		
Bolts, Wing Flap Selector	NOTE 2				X		
Restrictor, Flap	OC				X		
Valve, Flap Press, Relief	OC		X	X	X		
Indicator, Flap Position	OC	X	X	X	X		
Potentiometer, Flap Position	OC		X	X	X		
Switch, Flap Airspeed	OC				X		
Spoiler, Assembly	3,600	X	X	X	X		
Actuator Fitting & Bolts	NOTE 2				X		
Spoiler							
Arm, Spoiler Actuator	NOTE 2		X	X	X		
Brackets, Spoiler	2,400		X	X	X		
1/4 Bolt, Spoiler Act Arm	NOTE 2				X		
5/16 Bolt, Spoiler Act Arm	NOTE 2				X		

Switch, Spoiler Down/Lock	OC				X
1/4 Bolt, Spoiler Hinge	NOTE 2				X
5/16 Bolt, Spoiler Hinge	NOTE 2				X
Switch, Spoiler Limit	OC		X	X	X
Followup, Spoiler	OC		X	X	X
Followup, Aileron Aug.-Ail.	OC		X	X	X
Valve, Spoiler Servo	OC				X
Valve, Spoiler Control	OC				X
Valve, Spoiler Solenoid	OC				X
Restrictor					
Computer Amp. Spoiler	OC		X	X	X

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AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
		#1	#2	#3	#4	OTHER
Chapter 27 - continued						
Filter, Spoiler	300					X
Computer/Amp. Stall Warning	OC					X
Transducer, Angle of Attack	OC		X			X
Bias Box, Stall Warning	OC					X
Shaker, Control Column	OC		X			X
Accelerometer, Stall Warning	OC					X
Indicator, Angle of Attack	OC					X
Cutout, Stall Warning Acceler.	OC					X
Chapter 28 - Fuel						
Fuel System	OC					X
Pump, Jet	OC		X	X		X
Valve, Tank Vent Ck.	10,000 10					X
Valve, Tank Jettison	6,000 10					FC @600 hr
Tank, Tip	20,000		X	X	X	X
Pump, Boost (Standby)	8,000		X	X	X	X
Switch, Wing Float	10,000 10					FC @ 600 hr
Valve, Crossflow Shutoff	10,000 10		X	X	X	X
Valve, Fuselage Transfer Shutoff	10,000 10		X	X	X	X
Valve, Wing Press. Relief	10,000 10					X
Valve, Wing Vacuum Relief	10,000 10					FC @ 600

						hr
Cell, Fuselage Fuel	6,000	10	X	X	X	
Switch, Fuselage Tank Trans. Pres.	6,000	10	X	X	X	
Switch, Fuselage Tank Float	10,000	10	X	X	X	
Valve, Fuel Shutoff	10,000	10	X	X	X	
Valve, Motive Flow	10,000	10	X	X	X	
PC Board, Fuel Board	10,000	10				X C @ 600 hr
Probe, Fuselage & Wing	10,000	10				X C @ 600 hr
Indicator, Fuel Quantity	10,000	10				X C @ 600 hr
Hoses, Engine Nacelle	2,400					X
Hoses, Aircraft System	6,000	10				X

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	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
		#1	#2	#3	#4	OTHER
Chapter 29 - Hydraulic Power						
Hydraulic Power System	OC					X
Reservoir, Hydraulic	20,000	X	X	X	X	
Valve, Hydraulic Shutoff	6,000 10		X	X	X	
Pump, Engine Hydraulic	EC					X
Accumulator, Hydraulic	10,000 10	X	X	X	X	
Valve, Engine Hydraulic Press. Ck.	OC		X	X	X	
Valve, Hydraulic Reserv. Press. Relief	OC		X	X	X	
Valve, Hydraulic System Relief	6,000 10					X
Valve, Emergency Air	OC					FC @ 600 hr
Indicator, Hydraulic Pressure	OC	X	X	X	X	
Pump, Auxiliary Electric	OC	X	X	X	X	
Regulator, Reservoir, Pressure	OC		X	X	X	
Hoses, Engine Nacelle	2,400					X
Hoses, (all other except landing gear system)	6,000		X	X	X	

Chapter 30, Ice and Rain Protection

Ice and Rain Protection	OC					X
Regulator, Press. Anti-Ice	OC					X
Thermostat, Wing Anti-Ice	OC					X
Indicator, Temperature Anti-Ice	OC					X
Valve, Nacelle Anti-Ice Shutoff	OC					X
Valve, Defrost Pressure Regulator	OC					X
Tank, Alcohol Anti-Ice	OC		X	X	X	
Pump, Motor Driven Anti-Ice	OC		X	X	X	
Filter, Alcohol Anti-Ice	OC					X
Valve, Alcohol Pressure Relief	OC					X
Pitot/Static System Heater	OC	X	X	X	X	

Chapter 31 - Instruments

Instruments System	OC	X	X	X	X	SI @ 600 hr
Clock	OC	X	X	X	X	
Unit, Aural Warning	OC		X	X	X	

Flight Recorder 2,000 X X X

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	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
		#1	#2	#3	#4	OTHER
Chapter 32 - Landing Gear						
Landing Gear System	OC	X	X	X	X	
Strut, Main Gear Shock	NOTE 2					X
Actuator, Main Gear	NOTE 2					X
Valve, Shuttle Gear Actuator	OC					FC @ 600 hr
Actuator, Door	OC					X
Valve, Shuttle Gear Door	OC					X
Arm, Main Gear Strut Torq.	OC					X
Strut, Nose Gear	NOTE 2		X	X	X	
Actuator, Nose Gear	NOTE 2		X	X	X	
Valve, Nose Gear Priority	OC					X
Valve, Shuttle, Nose Gear	OC					FC @ 600

						hr
Actuator, Nose Gear Upltch.	OC					X
Valve, Gear Selector	OC					X
Valve, Gear Door Sequence	OC					X
Valve, Emergency Air Shuttle	OC					FC @ 600 hr
Bottle, Emergency Air (ICC/DOT) Type D-16	3 yrs.**		X	X	X	
Indicator, Emergency Air	OC	X	X	X	X	
Valve, Emergency Gear Extend	OC					FC @ 600 hr
Valve, Emerency Brake	OC					FC @ 600 hr
Wheel, Main Gear	2,500	X	X	X	X	
Wheel, Nose	OC	X	X	X	X	
Valve, Power Brake	OC		X	X	X	
Valve, Brake Shuttle	OC					FC @ 600 hr
Brake	OC	X	X	X	X	

Valve, Anti-Skid	OC					X FC @ 600 hr
Control Box, Anti-Skid	OC					X FC @ 600 hr
Computer/Amp, Nose Steer	OC					X
Actuator, Nose Wheel Steer	3,000		X	X	X	
Servo, Nose Steering	OC					X
Followup, Rudder Pedal	OC					X

\*\* Inspections, Hydrostatic Test, and Life Limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

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OPERATIONS SPECIFICATIONS  
AIRCRAFT MAINTENANCE  
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	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
		#1	#2	#3	#4	OTHER
Chapter 33 - Lights						
Light System	OC	X	X	X	X	
Control Box, Warning Light	OC					X
Light, Landing/Taxi	OC	X	X	X	X	
Light, Strobe	OC	X	X	X	X	

Power Sup. Strobe Light	OC	X	X	X	
Dim Assembly, Light	OC				X
Transformer, Cold Cathode	OC				X
Lights, Emergency (Interior and Exterior)	OC	X	X	X	X
Chapter 34 - Navigation	OC	X	X	X	X
To be determined by assigned inspector.					

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AIRCRAFT MAINTENANCE  
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		OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
			#1	#2	#3	#4	OTHER
Chapter 35 - Oxygen							
Oxygen System	OC						X NOTE 3
Detector, Flow	OC						X
Cylinder, Pressure Oxygen (ICC/DOT) 3AA		5 yrs.*					X
Switch, Oxygen Aneroid	OC						X
Valve, Lanyard Actuated	OC						X
Mask, Oxygen	OC						X
Indicator, Oxygen Pressure	OC		X				X
Valve, Manual Aneroid Bypass	OC						X
Valve, Oxygen Solenoid	OC						X
Valve, Manual Pass. Oxygen	OC						X

\* Inspections, Hydrostatic Test, and Life Limits will be accomplished as set forth in Part 173, Chapter 1, Subtitle B of CFR 49 currently in effect.

NOTE 3: Conduct a special functional check of the passenger oxygen system every 2,000 to 3,000 hours by simulating a cabin pressure of 14,000 to 15,000 feet altitude and checking the oxygen flow at each passenger mask.

Chapter 36 - Pneumatic							
Pneumatic System	OC						X
Valve, Shutoff/Pressure Reg.	OC						X
Thermoswitch, Pneumatic System	OC						X

Chapter 52 - Doors

Door, Cabin Assembly	OC		X	X	X		
Actuator, Cabin Door Lock	OC		X	X	X		
Door, Emergency	OC					X	
Chapter 53 - Fuselage							
Fuselage Fwd	OC		X	X	X	X	SI @ 600 hr
Cabin	OC		X	X	X	X	SI @ 600 hr
Cockpit	OC		X	X	X	X	SI @ 600 hr
Tail Cone	OC		X	X	X	X	SI @ 600 hr
Fuselage Aft	OC		X	X	X	X	SI @ 600 hr
Chapter 54 - Nacelles/Pylons							
Nacelle/Pylon	OC		X	X	X	X	SI @ 600 hr
Mount, Engine Fwd & Aft	NOTE 2			X	X	X	SI @ 600 hr
Mount, Bolts	NOTE 2			X	X	X	SI @ 600 hr

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AIRCRAFT MAINTENANCE  
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		OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
			#1	#2	#3	#4	OTHER
Chapter 55 - Stabilizers							
Empennage	OC		X	X	X	X	
Hinge Assembly, Vertical Stabil.	NOTE 2			X	X	X	SI @ 600 hr
Chapter 56 - Windows							
Windshield	OC		X	X	X	X	
Window, Cabin	OC		X	X	X	X	SI @NOTE 4
Chapter 57 - Wings							
Wing	OC		X	X	X	X	SI @NOTE 4

Wing Structure OC SI @NOTE  
4

Chapter 71 - Power Plant  
Fwd. & Aft Support Shock Mounts and Bolts NOTE 2 X X X

Chapter 72 - Engine  
Engine ESV X X X X NOTE 1

Chapter 73 - Engine Fuel & Control  
Engine Fuel & Control System OC X X X  
Control Assy. Fuel EC X X X  
Pump, Fuel EC X X X  
Valve, Flow Divider/Drain EC X X X  
Cooler, Fuel/Oil Engine EC X X X  
Computer, Fuel Control OC X X X  
Valve, Surge Bleed EC X X X  
Valve, Solenoid Control EC X X X  
Transmitter, Fuel Flow EC X X X  
Indicator, Dual Fuel Flow OC X X X

Chapter 74 - Ignition  
Ignition System OC X X  
Ignition Unit OC X X  
Plug, Ignitor OC X

NOTE 4: The Special Inspection (SI) at 6,000 hours for systems 56 and 57 is a major inspection requiring performance in accordance with the Gates Learjet Model 35 Maintenance Manual. It involves demating the wing from the fuselage and includes numerous NDT procedures.

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	OVERHAUL HOURS OR YEARS	INSPECTION AND CHECK PERIOD				
		#1	#2	#3	#4	OTHER
Chapter 75 - Air Sensor, Inlet Press/Temp Engine	EC	X	X	X		

Chapter 76 - Engine Controls

Engine Control System	OC		X	X
Engine Control, Cables & Linkage	OC		X	X

Chapter 77 - Engine Indicating

Engine Indicating System	OC		X	X	X
Transducer, Engine	EC		X	X	X
Harness, ITT Thermocouple Engine	EC		X	X	X
Indicator, ITT Engine	OC				X
Indicator, N1 & N2 Engine	OC				X

Chapter 79 - Engine Oil

Oil System	OC		X	X	X
Tank, Oil	EC	X	X	X	X
Valve, Pressure Breather	EC		X	X	X
Cooler, Oil	EC			X	X
Valve, Oil Temperature	EC				X
Switch, Oil Pressure	EC			X	X
Transmitter, Oil Pressure	OC		X	X	X
Bulb, Oil Temperature	EC			X	X
Indicator, Oil Temperature	OC	X	X	X	X
Indicator, Dual Oil Pressure	OC	X	X	X	X

Chapter 80 - Starting

Starting System	OC		X	X
Starter, Engine	OC		X	X
Start Timer, Resistance Assembly	OC		X	X
Start Timer Relay	OC		X	X

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 \* FIGURE 43. OPERATIONS SPECIFICATIONS, AIRCRAFT  
 MAINTENANCE - SOCIETE NATIONALE  
 INDUSTRIELLE AEROSPATIALE (SNIAS) NORD  
 262A AND 262A/M-298

Form Approved.  
 OMB. No. 04-R0075.

UNITED STATES OF AMERICA Preface Page  
 DEPARTMENT OF TRANSPORTATION Page 1 of 3  
 FEDERAL AVIATION ADMINISTRATION  
 WASHINGTON

OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE - PREFACE PAGE  
GENERAL

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

Irrespective of the type of operation to be conducted by (name of operator) the continuous airworthiness and inspection program limitations which are described and specified in these Operations Specifications shall be applicable to all (name of operator) aircraft listed and authorized for use under Federal Aviation Regulations 135.2 or 121 as the case may be.

The operator shall provide in its currently effective Maintenance Manual a comprehensive maintenance program necessary to fulfill its responsibility to maintain the aircraft in an airworthy condition in accordance with applicable Federal Aviation Regulations and standards prescribed and approved by the Administrator.

The aircraft and its component parts, accessories and appliances shall be maintained in an airworthy condition in accordance with the maximum time limits hereinafter set forth for the accomplishment of the overhaul, periodic inspections and routine checks of the aircraft and its component parts, accessories and appliances.

"On Condition" items will be maintained in a continuous airworthy condition by periodic and progressive inspections, checks, services, repair and/or preventive maintenance and shall be appropriately described in the operator's Maintenance Manual.

Parts or subcomponents not listed herein will be checked, inspected and/or overhauled at the same time limitations specified for the component or accessory to which such parts or subcomponents are related or at the time period indicated for the ATA subchapter heading.

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE--PREFACE PAGE  
SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

Checks, Inspections and Overhaul Time Limits

All inspections, checks and maintenance shall be accomplished in

accordance with the applicable procedures as listed in the (name of operator) Maintenance Manual.

The following four levels of inspection are defined and detailed in the appropriate section of the (name of operator) Maintenance Manual.

- L = Line Service Inspection to be performed at the first regular maintenance facility reached during each day the aircraft is used.
- PF = Pre Flight Inspection to be performed at intervals not to exceed 25 hours of aircraft time in service or 5 calendar days.
- \* P = Periodic Inspection to be performed at intervals not to exceed 400 hours of aircraft time in service.
- \* BIP = Basic Inspection Period to be performed at intervals not to exceed 4,000 hours of aircraft time in service.
  
- \* NOTE 1: Operators having utilization of less than 1,200 hours per year may be required to institute calendar controlled inspections in lieu of the flight hours noted herein.

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#### OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE--PREFACE PAGE  
SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

#### Special Inspections

The frequency and procedure for performing special inspections will be accomplished as specified in the (name of operator) Maintenance Manual.

A double asterisk (\*\*) indicates "Inspections, hydrostatic test, and life limits will be accomplished as set forth in Part 173,

Chapter 1, Subtitle B of CFR 49 currently in effect. For foreign manufactured containers identify, retire and test per manufacturer's technical data currently in effect.

Abbreviations used in the Nord 262A Operations Specification Aircraft Maintenance are defined as follows:

- OC = On Condition. [For the definition of On Condition, refer to Advisory Circular AC121-1A.]
- CALIB = Calibration check. Testing for compliance with established standards and readjustment for tolerances as necessary. May be performed with unit installed or removed with proper test equipment.
- FC = Functional Check. A qualitative check of a component, assembly or system to determine that it is operating in a normal and intended manner. Does not require quantitative values and is usually accomplished without removal from aircraft.
- Annual Functional Checks shall be performed during the 90-day period preceding the season of maximum system usage.
- BC = Bench Check. The removal of a unit from its position on the aircraft, engine or assembly and its routing to a shop for a thorough inspection, check of its performance and compliance with tolerances as prescribed for any and all of its functions. This check shall include minor adjustments, markings and lubrication.
- E.O. = Engine Overhaul.
- E.O. = Engine Change.

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SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

	O/H	L	PF	P	BIP	OTHER
Air Conditioning System						
- Chapter 21	24,000	X	X	X	X	
Check valve, elect. panel cooling	O.C.			X	X	
Check valve, emerg. ventilation	O.C.			X	X	F/C @ BIP
Check valve, P2 regulation	O.C.			X		
Check valve, P2	O.C.			X		
Check valve, water separator	O.C.			X		
Check valve, engine isolation	O.C.			X		
Check valve, turbo cooler	O.C.			X		
Filter, P2 regulation	O.C.			X		
Filter, control air	O.C.			X		
Indicator, cabin rate of climb	8,000		X	X	X	
Indicator, cabin temp.	O.C.		X	X		
Indicator, differential press. & altitude	12,000			X	X	Calib @ BIP
Regulator, manual pressurization	O.C.			X	X	F/C @ BIP
Regulator, altitude	O.C.			X		
Selector, temperature	O.C.			X	X	
Switch, altitude	8,000			X	X	
Switch, differential pressure	8,000			X	X	
Temperature probe, cabin	O.C.			X	X	
Thermostat, cabin	O.C.			X	X	
Thermostat, controllable	O.C.			X	X	
Thermostat, overtemp warning	4,000			X		
Timer, pressurization valve	4,000			X		
Turbo cooler & heat exchanger	1,400			X		
Valve, depressurization	8,000			X	X	
Valve, hot air control	O.C.			X	X	
Valve, emergency ventilation	8,000			X	X	
Valve, cockpit window defog	O.C.			X		
Valve, mixing turbine air	8,000			X	X	
Valve, outflow	4,000			X		Clean @ 2P
Valve, outflow & overpressure relief	4,000			X		
Valve, press. distribution	8,000			X	X	
Valve, pressure regulating	8,000			X	X	
Valve, P2 bleed shutoff	8,000			X	X	
Valve, selector	O.C.			X	X	
Water separator	O.C.			X	X	Clean @ P

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Cockpit seats	O.C.		X	X	X	
Passenger seats	O.C.		X	X	X	
Fire Protection System - Chapter 26	24,000	X	X	X	X	
Extinguisher, engine **	O.C.	X	X	X	X	Continuity Check @ BIP or 2 yrs. max.
Extinguisher, engine firing cartridge	3 yrs.					

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### OPERATIONS SPECIFICATIONS

#### AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

	O/H	L	PF	P	BIP	OTHER
Fire Protection System - Chapter 26 (Cont'd)						
Fire detector engine unit	O.C.	X	X	X		Calib @ E.C.
Fire detector control box	O.C.		X	X		
Hand extinguisher CO2 **	O.C.		X	X		
Hand extinguisher H2O **	O.C.		X	X		
Valve, Tee check	O.C.				X	F/C @ BIP
Warning horn, fire	O.C.		X	X		
Flight Control System - Chapter 27	24,000	X	X	X	X	Cable tension check annually
Box, flap preset	O.C.		X	X	X	
Control column	O.C.		X	X	X	
Cylinder, gust lock actuating	8,000		X	X	X	
Cylinder, flap actuating	8,000		X	X	X	
Detector, stall warning	O.C.			X	X	F/C @ BIP
Horn, stall warning	O.C.		X	X		
Indicator, flap position	O.C.		X	X	X	
Jackscrews, trim tab - oil, rudder, elev.	12,000		X	X	X	
Rudder pedal assemblies	16,000			X	X	

Selector, gust lock	12,000		X	X	X	
Transmitter, flap position	O.C.		X	X	X	
Valve, check restrictor	O.C.		X	X	X	
Valve, flap dual selector	8,000		X	X	X	
Valve, emergency flap retraction	8,000		X	X	X	F/C @ 3P
Valve, ratchet & overload	8,000			X	X	
Valve, flap shuttle	8,000			X	X	
Valve, thermal expansion	12,000			X	X	F/C @ BIP
Warning system, flap aural	O.C.			X		F/C during scheduled gear retraction check
Fuel System - Chapter 28	24,000	X	X	X	X	
Boost pumps & motor, main (front)	1,000		X	X		
Boost pumps & motor, standby (rear)	2,000			X	X	
Cells, fuel tank	O.C.	X	X	X	X	Leak test/inspection @ 2 BIP
Connector, pressure refueling	O.C.	X		X		
Filter, fuel	O.C.		X	X		
Fuel collector manifold	O.C.			X	X	
Indicator, fuel quantity	O.C.		X	X	X	Calib @ BIP
Indicator, fuel temp (dual)	5,000		X	X		

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#### OPERATIONS SPECIFICATIONS

##### AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A  
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	O/H	L	PF	P	BIP	OTHER
Fuel System - Chapter 28 (Cont'd)						
Switch, tank float	O.C.			X	X	F/C @ BIP
Switch, pressure warning	12,000		X	X		
Transmitter, fuel quantity	O.C.		X	X	X	Calib @ BIP
Valve, refueling check	O.C.			X	X	F/C @ BIP
Valve, firewall shutoff	8,000			X	X	F/C @ E.C.

Valve, isolating & crossfeed	8,000			X	X	F/C @ BIP
Valve, pressure refueling	8,000			X	X	
Valves, tank relief, vent, sump & pressure refuel vent	O.C.	X	X	X	X	Tank relief valves sump drains daily
Hydraulic System - Chapter 29	24,000	X	X	X	X	
Accumulators, surge & main	12,000			X	X	X
Filter, emergency fluid supply	4,000				X	
Filter, low pressure supply	O.C.				X	Element change @ 3P
Filter, high pressure	O.C.			X	X	
Indicator, pressure (triple)	8,000			X	X	X
Pump, hydraulic boost	1,250			X	X	
Pump, hydraulic engine driven	2 EO			X	X	Shaft Insp & lube @ E.C.
Pump, hand emergency	12,000	X	X	X	X	F/C @ 3P
Regulator, flap & gear pressure	8,000			X	X	X
Reservoir, main & emergency	O.C.			X	X	X
Switch, low pressure warning	12,000			X	X	X
Transmitter, hydraulic level	O.C.			X	X	X
						Calib @ BIP
Transmitter, hydraulic pressure	8,000			X	X	X
Valves, ground test check	O.C.					X
Valves, check & restrictor	O.C.				X	F/C @ BIP
Valve, emergency selector	8,000				X	X
Valve, emergency relief	O.C.				X	X
Valve, firewall shutoff	8,000				X	X
Valve, pressure relief	O.C.	X			X	X
Valve, thermal expansion	12,000				X	X

Effective date \_\_\_\_\_

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

	O/H	L	PF	P	BIP	OTHER
Ice & Rain Protection System						
- Chapter 30	24,000	X	X	X	X	F/C Annual
Control panel, deicer boots	O.C.		X	X		
Deicer boots, airfoil leading edge	O.C.	X		X		
Filter, deicer system	O.C.		X	X		Element change @ 2P
Indicator, deicing pressure	O.C.		X	X	X	
Prop & Engine anti-ice ammeter	O.C.			X	X	
Prop & engine anti-ice cycle timer	O.C.			X	X	Annual F/C
Prop & engine spray mat	O.C.		X	X	X	Annual F/C
Regulator, windshield heat	O.C.			X		F/C @ BIP
Relay, windshield heat	O.C.			X		
Resistor unit, wipers	O.C.			X		
Timer, airfoil deicing cycle	O.C.		X	X	X	Annual F/C
Transmitter, deice pressure	O.C.			X	X	Annual F/C
Valves, check wing deice	O.C.			X	X	Annual F/C
Valve, pressure regulating deice	8,000		X	X	X	
Valve, pressure relief wing deice	8,000		X	X	X	
Valve, deicing shutoff	8,000		X	X	X	
Valve, solenoid operated cycling	4,000		X	X	X	
Windshield wiper motor & actuator	8,000			X	X	
Instrument System - Chapter 31	24,000	X	X	X	X	
The maintenance program (overhaul and inspection) for this system to be established in coordination with the assigned inspector, except for the following:						
Clock	O.C.		X	X		
Instrument panel & installation	O.C.		X	X	X	
Recorder, flight data	2,000		X	X		
Landing Gear System - Chapter 32	24,000	X	X	X	X	

Accumulator, main & emerg. brakes	12,000		X	X		
Accumulator, nose steering	12,000		X	X		
Brake assembly	O.C.	X		X		
Control unit, gear actuator	12,000			X	X	
Cylinder, brake pedal	8,000		X	X	X	
Cylinder, retract main & nose	8,000			X	X	
Cylinder, nose steering	8,000			X	X	
Filter, high pressure	O.C.			X	X	
Gear retraction & extension normal & emergency						Scheduled retract check @ 3P

Effective date \_\_\_\_\_

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

		O/H	L	PF	P	BIP	OTHER
Landing Gear System -							
Chapter 32 (Cont'd)							
Horn, gear warning	O.C.			X	X	X	
Indicator, brake pressure (dual)	8,000			X	X	X	
Indicator, gear position	O.C.			X	X	X	
Main & Nose gear assemblies	8,000			X	X	X	
Relay, hyd. pressure shutoff	O.C.				X	X	F/C @ BIP
Shock strut, main & nose gear	8,000		X		X		
Tires	O.C.		X	X	X		
Valve, anti skid control	4,000				X		
Valve, brake pressure control	4,000			X	X		
Valves, check & restrictor	O.C.				X	X	F/C @ scheduled retract check
Valve, nose steering control	8,000			X	X	X	
Valve, emerg. & park brake	8,000			X	X	X	
Valve, electric dual selector	8,000				X	X	
Valve, nose steering shutoff	8,000				X	X	

Valve, brake shuttle	O.C.		X	X	X	
Wheels	O.C.	X	X	X		
Anti skid control box	O.C.			X		F/C @
Anti skid generator	4,000			X		retract
						check
Lights - Chapter 33	24,000	X	X	X	X	
Emergency light system	O.C.	X	X	X		
Rotating beacon	2,000	X	X	X		
Navigation System - Chapter 34	24,000	X	X	X	X	

The maintenance program (overhaul and inspection) for this chapter is to be established in coordination with the assigned inspector except for the following:

Ammeter, pitot heat	O.C.		X	X	X	
Compass, magnetic	O.C.			X	X	Swing @ 2

Detector, overspeed warning	O.C.			X	X	years
Pitot static system	O.C.			X	X	F/C @ BIP
						Annual
						leak ck.
Probe, pitot tube	O.C.		X	X	X	
Selector, instrument static	O.C.			X	X	Annual
						leak ck.

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A  
AND 262 A/M-298

	O/H	L	PF	P	BIP	OTHER
Oxygen System - Chapter 35	24,000	X	X	X	X	
Cylinder O2**	O.C.	X				
Regulator/indicator	O.C.			X		F/C @ time
						of cyl.
						retest

Masks	O.C.		X	X		
Water/Waste System - Chapter 38	24,000	X	X	X	X	
System plumbing	O.C.			X	X	
Structure - Chapters 52 thru 57						

Chapters 52 thru 57 - covered in the following pages, are structural items and therefore do not have specific overhaul times. These items, generally speaking, cannot be removed from the aircraft; and even if they could, nothing could be done from a maintenance standpoint to restore their original condition. Therefore, the airworthiness of these items will be determined by inspection/examinations in extensive detail. If specific times are not cited, the items are to be considered "On Condition". If the carrier elects to list structural inspection items in some manner other than FAA-approved specifications, the document must be referenced in the carrier's specifications and revision

handled in a similar manner to specifications revisions. X-ray or other approved NDT methods may be substituted in lieu of visual inspections where applicable.

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AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

	Detail					
		Insp.	L	PF	P	BIP
Doors - Chapter 52	24,000	X	X	X	X	
Rear passenger door	12,000					
External inspection						
- check of safety cables, hinges, lock hooks		X	X	X	X	
Internal inspection of door structure, locking mechanism & hooks						X
Magnetic particle inspection of hooks	12,000					
Forward cargo door	12,000					
External inspection, lock, hooks and hinges		X	X	X	X	

Internal inspection of door structure, lock mechanisms and hooks						X	
Magnetic particle inspection of hooks	12,000						
Nose area and landing gear doors	4,000	X	X	X	X		
Hinges and operating mechanism					X	X	
Emergency exits, overhead, window and floor level	24,000						or when cabin lining replaced
External inspection		X	X	X			
Detailed external inspection (door removal) of door structure & latch mechanism						X	
Internal inspection, door structure, latch mechanism & latch rigging						X	
Fuselage - Chapter 53	24,000	X	X	X	X		
Radome	4,000					X	Detail & External/
External inspection		X	X	X			internal
Fuselage skin	O.C.						inspection
External inspection, skin, joints & cutouts		X	X	X			
Internal inspection of support structure, joints & cutouts						X	
Station D pressure bulkhead	12,000				X	X	
Forward face							
Aft face & attach structure	12,000						
Flight deck area, window frames and exposed structure	4,000		X	X			
Instrument panel & supports, control pedestal, seat tracks, control attach structure	4,000				X		
Cockpit window frames, internal structure, panel supports, cockpit structure & system components	12,000						

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AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

Detail

Insp. L PF P BIP OTHER

Fuselage - Chapter 53 (Cont'd)

Flight deck area below floor  
line visual inspection of

nose gear support units, structure and system components in area			X	X	
Structure inspection with all cockpit flooring removed	12,000				
Nose gear area structure	4,000	X	X	X	
Inspect for looseness or misalignment of gear units or supporting structure					X
Detailed inspection, penetrant or other special type inspection of all nose gear fixed components and attachments to fuselage fittings. Dimensional checks of pins and bores	12,000				
Inspection of fuselage hull cutout framing and reinforcements, main passenger door, emerg. exits, cargo door, windows, outflow valves, etc.	12,000	X	X	X	
External inspection of framing and reinforcements			X	X	
Internal inspection of hull cutouts & reinforcements with upholstery and trim removed	12,000				
Galley and lavatory areas Visual inspection of areas below galley & lavatory for corrosion	8,000				
Area above cabin & cargo floor seat rails, general					

support for seats & cargo restraints		X	X	X
Inspection of seat rails, attach structure, interior of fuselage skin, stringers, splices, and belt frames	12,000			
Area below cabin & cargo floor, fuselage skin interior, floor support structure, belt frames				
		X	X	
Area below cabin & cargo floors, detailed inspection of all system equipment, floor support structure, fuselage formers & stringers				
	12,000			

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A AND 262A/M-298

Detail  
 Insp. L PF P BIP OTHER

Fuselage - Chapter 53 (Cont'd)

Fuselage center section, detailed inspection of fuselage formers and stringers in area of Sta 9 & 11	4,000				
Wing attach fittings and bolts. Magnetic particle inspection of bolts and detailed inspection of immediate fuselage skin and structure around fittings	16,000				
Main wheel pod area	4,000	X	X	X	X
Detail inspection of main gear support arm, tie rods, brace strut, shock					

absorber, gear mountings, air conditioning equipment, waer methanol equipment, hydraulic reservoir & equipment.	12,000					
Rear pressure bulkhead Detailed inspection of rear face				X	X	
Detailed inspection of  fwd. face	12,000					
Tail section, detailed inspection of splice joint, systems equipment, formers, stringers, empennage attach fittings and support rods and tail cone.	4,000			X	X	
Nacelles - Chapter 54	24,000	X	X	X	X	
Inspection of firewall and engine mount attach points	E.C.			X	X	
Inspect interior and exterior of nacelles with tail pipe removed	4,000					X
Inspect all flight control cables, bellcranks & associated equipment in nacelles	12,000			X	X	
Detailed visual inspection of nacelle structure, center section attach angles, forward side of front spar, spar rails and brackets	4,000					
Engine QEC structure	E.O.	X	X		X	
Magnetic particle inspection of engine mount and firewall attach bolts.	4,000					Engine mount to engine attach bolts - magnetic particle insp. @ E.O.

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

Detail

	Insp.	L	PF	P	BIP	OTHER
Stabilizers - Chapter 55	24,000	X	X	X	X	
Vertical stabilizer, rudder, tabs & dorsal fin		X	X	X	X	
Detailed visual inspection of dorsal fin, vertical fin, vertical fin attach points, rudder & hinge points, vertical fin tip cap area	4,000					
Detailed inspection of rudder internal structure	O.C.					During cover replacement
Detailed inspection of internal structure of dorsal fin	12,000					
Penetrant inspection of vertical stabilizer attach fittings, fin attach bolts & rudder hinge fittings	12,000					
Inspect visible structure at rudder hinge points and vertical stabilizer attach points	12,000					
Horizontal stabilizer, elevator and elevator tabs		X	X	X	X	
Detailed visual inspection of horizontal stabilizer, hinge points, attach points, elevator structure, elevator covering and tip caps	4,000					
Detailed inspection of internal structure of horizontal and vertical stabilizers	12,000					
Penetrant inspection of horizontal stabilizer attach points, attach bolts, attachment bars, support frames, brace strut, vee fitting and elevator hinge fittings	16,000					

Detailed inspection of elevator internal structure	O.C.						During cover replacement
--	------	--	--	--	--	--	--------------------------------

Wings - Chapter 57	24,000	X	X	X	X		
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Forward fuselage to wing fairing area, condition of forward spar and fairing attach fasteners	4,000						
--	-------	--	--	--	--	--	--

Wing leading edge ribs 7-13 noting condition of spar and general structure	4,000						
--	-------	--	--	--	--	--	--

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AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

Detail

Insp. L PF P BIP OTHER

Wings - Chapter 57 (Cont'd)

Aft fuselage to wing fairing area, noting mounting of flap position transmitter, hydro valves, aft spar and flap torque tube	4,000						
--	-------	--	--	--	--	--	--

Lower fuselage to wing fairing area, noting condition of wing attach fittings and system installations	4,000						
--	-------	--	--	--	--	--	--

External inspection of center wing structure (ribs 1-21) noting skin condition, areas adjacent to attachment fittings to fuselage, areas adjacent to nacelle, flap hinge attach points and outer wing attach points	4,000						
---	-------	--	--	--	--	--	--

Center wing structure (internal structure) radiographic inspection in accordance with							As required by airframe
--	--	--	--	--	--	--	----------------------------------

manufacturer's recommendations	O.C.	flight cycles
Center to outer wing attach fittings, perform detailed inspection of fittings and bolts as installed	4,000	
Outer wing structure (ribs 22-49) noting attachment fittings at rib 22, hinge attach points at ribs 25, 30, 35, 43, & 49	4,000	
Aft section of wings (ribs 7-49) detailed inspection of engine nacelle longeron to rear spar in area of ribs 15 thru 17, flap hinge, arms, and cylinder attach brackets at ribs 7, 17, 25, 30 & 35, aileron hinge brackets and mounting areas at ribs 35, 41, 42, 43 & 49. Check on condition of aileron balance curtain	4,000	
Wing leading edge area (ribs 22-49) detailed inspection of skin, interior structure, wing deicer equipment by removing leading edge or use of radiographic procedure	8,000	
Detailed inspection of tip cap and surrounding area with cap removed	8,000	
Magnetic particle, penetrant or similar special inspection of outer/center wing attach fittings and bolts	24,000	

Effective date \_\_\_\_\_

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

	Detail				
	Insp.	L	PF	P	BIP OTHER
Wings - Chapter 57 (Cont'd)					
Outer wing structure ribs 30-49 detailed interior inspection with all access panels opened					8,000
Detailed inspection of internal area of forward wing to fuselage fairing. Remove all inspection panels.					12,000
Detailed inspection of leading edge (ribs 7-13 areas) noting condition of all equipment internally housed in the area					12,000
Aft wing section (rib 7-35) flap support fittings, magnetic particle or penetrant inspection of removable parts					12,000
Aft wing/fuselage fairing area. Detailed inspection of entire area including flap torque tube, mount brackets & bearings					
Penetrant inspection of aileron quadrants, mount brackets & bolts					24,000
Magnetic particle, penetrant or similar special inspection of center wing to fuselage attach fittings, links & bolts					24,000
Outer wing structure (rib 22-30) radiographic inspection of forward lower spar rail between 22 & 23, 23 & 24. Lower skin forward of rear spar between ribs 22 & 23, 23 & 24. Lower skin doublers between ribs 25 & 26, 28 &					

29. (Drain fuel prior to inspection) 24,000  
Detailed visual inspection of flaps. Note condition of areas adjacent to hinge arms 4,000  
Magnetic particle or penetrant inspection of flap, hinge arms, actuator attach fittings & bolts 12,000  
Detailed visual inspection of ailerons visible structure hinge brackets & adjacent structure 4,000  
Magnetic particle or penetrant inspection of aileron hinge brackets, aileron pushrods, and attach bolts 12,000

Effective date \_\_\_\_\_

OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

	O/H	L	PF	P	BIP	OTHER
Propeller System - Chapter 61		X	X	X	X	
Propeller Ratier Figeac FH-146	2,000	X	X	X		
Auto feather capsule	O.C.		X	X		F/C @ 1,000 hrs.
Auto feather pitot masts	O.C.	X	X	X	X	
Contactora, feather pump	8,000		X	X		
Feather pump	2,000		X	X		
Governor, prop control	E.O.		X	X		
Relay unit, prop control	8,000		X	X		
Switch, prop feather	O.C.	X	X	X		
Powerplant - Chapter 71		X	X	X	X	
Cowling	O.C.	X	X	X		

Engine - Chapter 72

Engine Turbomeca Bartau VI C (Refer to manufacturer's specification for life limited parts)	2,000	X	X	X		Hot section inspection @ 1/2 E.O.
Engine Fuel System - Chapter 73		X	X	X		
Fuel control unit	E.O.		X	X		
Indicator fuel flow	5,000		X	X		
Indicator fuel used	O.C.		X	X		
Transmitter fuel flow	5,000		X	X		
Transmitter fuel pressure diff.	E.O.		X	X		
Valve, electrical fuel shutoff	2 E.O.		X	X		F/C @ E.O.
Valve, safety shutoff	O.C.		X	X		F/C @ E.O.
Ignition System - Chapter 74				X		
Coil	E.O.			X		
Torch ignitors	E.O.			X		
Engine Air System - Chapter 75						
Engine anti-ice electro valve	O.C.			X		F/C @ E.O.
Engine Controls System - Chapter 76						
Engine control linkage (forward of firewall)	O.C.			X		Inspect E.C.
Effective date _____						

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE

SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE (SNIAS) NORD-262A

	O/H	L	PF	P	BIP	OTHER
Engine Indicating - Chapter 77		X	X	X	X	
Indicator Tachometer	5,000		X	X		

Indicator, EGT, oil temp & pressure	5,000	X	X		
Indicator, torquemeter	5,000	X	X		
Switch, P2 starter cutoff	O.C.	X	X		
Tachometer generator	2 E.O.	X	X		
Thermic corrector	O.C.	X	X		Calib @ E.C.
Torque transmitter	E.O.	X	X		
AVM Transducer	O.C.		X		Calib @ E.C.
AVM Indicator	O.C.		X		Calib @ E.C.
AVM Amplifier	O.C.		X		Calib @ E.C.
Engine Exhaust - Chapter 78		X	X	X	X
Tailpipe & clamp	O.C.		X	X	
Tailpipe insulating blanket	O.C.			X	
Engine Oil System - Chapter 79				X	
Heat exchanger, oil/fuel	O.C.	X	X		F/C @ E.O.
Oil filter	O.C.		X		Inspect @ 1/2 P
Switch, low pressure warning	O.C.	X	X		F/C @ E.O.
Tank, engine oil	O.C.	X	X		
Temperature probe	O.C.	X	X		F/C @ E.O.
Transmitter, oil pressure	O.C.	X	X		F/C @ E.O.
Starting - Chapter 80			X	X	
Micro pump	2 E.O.	X	X		
Relay, starting	12,000	X	X	X	
Starter/generator	E.O.	X	X		Brush checks Air equip-400 hours SEB - 600 hours
Starter relay box	O.C.	X	X		

Effective date \_\_\_\_\_

SOCIETE NATIONALE INDUSTRIELLE AERSPATIALE (SNIAS) NORD-262A

	Detail					
		Insp.	L	PF	P	BIP
Water Methanol System - Chapter 82	24,000	X	X	X	X	
Filter element	O.C.			X	X	Inspect @ 2P
Indicator, water/met. flow	4,000		X	X		
Indicator, water/met. quantity	8,000		X	X		Calib @ 4,000
Metering unit, water/met. flow	4,000		X	X		
Pump & motor, water/met. boost	4,000		X	X		
Switch, low pressure warning	8,000		X	X		Calib @ 4,000
Transmitter, water/met. flow	4,000		X	X		
Transmitter, water/met. quantity	O.C.		X	X	X	
Valve, check	12,000			X		F/C @ 4,000
Valve, isolation	8,000		X	X		
Valve, water/met. control	8,000		X	X		
Effective date _____						

Form Approved.  
OMB. No. 04-R0075.

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UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION  
WASHINGTON

OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE - SUPPLEMENT  
GENERAL

SNIAS N262A/M-298

These pages apply to N262A aircraft modified in accordance with  
STC 2369SW. Those portions of the airframe and/or systems

unaffected by the modification will continue to be maintained in accordance with the operators' currently approved Operations Specifications.

Abbreviations and definitions listed for the basic N262A Aircraft Maintenance Operations Specifications apply to this supplement also.

Samples listed in this supplement are industry samples and are to be submitted by the first operator attaining the specified time limit.

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE - SUPPLEMENT  
SNIAS N262A/M-298

ATA CHAPTER	OH	L	PF	P	BIP	OTHER
21 - Air Conditioning and Pressurization						
Valve airflow -	5,000			X		Sample 2 @ 2,500
Switch, overpressure sense	O.C.			X		
Valve, pressure regulating	5,000			X		
Venture, flow limiter	O.C.			X		
Switch, bleed air overheat	O.C.			X		
Air cycle machine	5,000			X		Sample 1 @ 2,000, 1 @ 4,000
Valve, ACM bypass	O.C.			X		Sample insp. 2 @ 2,000
Separator, water	O.C.			X		Clean or

				replace coalescer @ P
Switch, temp. supply	O.C.		X	
Heat exchanger, secondary	O.C.		X	Leak test 1 @ 2,000, 1 @ 4,000
Sensor, cabin temp.	O.C.		X	
Sensor, duct temp.	O.C.		X	
Selector, cabin temp.	O.C.		X	
Controller, cabin temp.	O.C.		X	
Precooler, nacelle	O.C.		X	Leak test 1 @ 2,000, 1 @ 4,000

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE - SUPPLEMENT  
SNIAS N262A/M-298

ATA CHAPTER	OH	L	PF	P	BIP	OTHER
22 - Autopilot						
Control, altitude Collins P/N 229-9015-010	O.C.				X	
Sensor, airspeed Collins P/N 229-9016-010	O.C.				X	
Servo, trim Collins P/N 622-0965-001	6,000				X	Sample 1 @ 3,000
Control, pitch & turn Collins P/N 622-1210-001	O.C.				X	

Servo, aileron Collins  
P/N 622-2366-001 6,000 X Sample 1 @  
3,000

Servo, rudder & elevator  
Collins P/N 622-2366-002 6,000 X Sample 1 @  
3,000

Gyro, vertical Collins  
P/N 792-6694-001 2,500 X

23 - Communications

\* Maintenance program to  
be approved by local  
ACDO

24 - Electrical

Inverter, solid state  
Jet P/N S1-2500B O.C. X X

25 - Furnishings

Seat, passengers & F.A. O.C. X X X  
Galley unit O.C. X X

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE - SUPPLEMENT  
SNIAS N262A/M-298

ATA CHAPTER OH L PF P BIP OTHER

26 - Fire Protection

Detector, engine fire O.C. X X X

Detector, nacelle fire O.C. X X X

Extinguisher, engine &  
APU fire O.C. X X

27 - Flight Controls

No changes



Transmitter, deice pressure	O.C.	X	
Controller, windshield heat	O.C.	X	
Boot, engine lip deice	O.C.	X	Annual F/C
Boot, airframe deice	O.C.	X	Annual F/C
Valve, hydraulic shutoff	O.C.	X	
Timer, prop deice	O.C.	X	Annual F/C
Valve check	O.C.	X	Annual F/C
Valve deice distributor	O.C.	X	Annual F/C
Regulator, deice			
pressure	O.C.	X	Annual F/C
Valve, deice distributor	O.C.	X	Annual F/C
Actuator, inertial separator	2 E.O.	X	Annual F/C
Brushblock, prop deice	O.C.	X	
Timer, airframe deice	O.C.	X	Annual F/C
Indicator, deice pressure	O.C.	X	Annual F/C
Separator, deice water	O.C.	X	
Valve, hydraulic shutoff	O.C.	X	Annual F/C
Switch, deice pressure	O.C.	X	Annual F/C

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE - SUPPLEMENT  
SNIAS N262/M-298

ATA CHAPTER	OH	L	PF	P	BIP	OTHER
31 - Instruments						
No Changes						
32 - Landing Gear						
No Changes						
33 - Lights						
Strobe lights						
Grimes P/N 30-0516-1 & 30-0863-1/2	O.C.		X	X		
Power supply, strobe						
Grimes P/N 60-2290-1	O.C.				X	
Coder, strobe lights						
Grimes P/N 70-0125	O.C.				X	
34 - Navigation						
*Maintenance program to be approved by local ACDO						
38 - Water/Waste						
Toilet, chemical	O.C.	X	X	X		
49 - Auxiliary Power	Note:	APU related unit TBO's stated in APU operation hours				
Valve, APU fuel shutoff	O.C.			X		
Valve, APU bleed check	O.C.			X		Bench check @ 3,000
Starter - generator, APU 3,000						Inspect @ 1,000
Filter, APU Fuel	O.C.			X		
APU, engine	3,000			X		Sample inspect 1 @ 1,000 1 @ 2,000



nacelles

Detailed visual inspection of nacelles structure, center section attach angles, forward side of front spar, spar rails and brackets	1 BIP	X	Sample 1 @ 2,000 and 1 @ 4,000
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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE -- SUPPLEMENT  
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ATA CHAPTER	OH	L	PH	P	BIP	OTHER
55 - Stabilizers						
No Change						
57 - Wings						
No Change						
61 - Propeller System						
Governor, prop overspeed	E/O				X	
Propeller, assembly	1,500					Sample inspect 2 @ 750
Relay, autofeather delay	O.C.				X	
Shaft, prop sync	O.C.				X	Inspect @ E/O
Control, prop sync	O.C.				X	
Pick up, prop sync	2 E.O.				X	
Actuator, prop sync	2 E.O.				X	Inspect @ E/O

Switch, auto feather	O.C.				X	
Governor, propeller	E.O.				X	
71 - Powerplant						
Cowl, engine	O.C.				X	
Mount, engine	O.C.				X	Mag Part Insp. @ E.O.
72 - Engine						
Engine P & W PT6A-45A	1,500	X	X	X		Sample Insp. 1 @ 1,000 & 1 @ 1,250
Hot Section Insp.	1/2 E.O.					

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE -- SUPPLEMENT  
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ATA CHAPTER	OH	L	PF	P	BIP	OTHER
73 - Engine Fuel System						
Indicator, fuel flow	5,000		X	X		
Totalizer, fuel used	5,000		X	X		
Controller, fuel heat	2 E.O.			X		
Conditioning unit, fuel flow	O.C.			X		
Valve, fuel shut off	O.C.					F/C @ engine change
Pump, fuel engine driven	E.O.			X		

Transmitter, fuel flow	5,000		X	
Heat exchanger, oil/fuel	O.C.		X	
Pump, engine fuel	E.O.		X	
Fuel control unit	E.O.		X	
Valve, check	O.C.		X	
Transmitter, fuel pressure	5,000		X	
Pump, EPA fuel drains	O.C.		X	F.C. @ 3P
Indicator, fuel pressure	5,000		X	
74 - Ignition				
Exciter, ignition unit	O.C.		X	
Ignitor	O.C.		X	
76 - Engine Control System				
Engine control linkage	O.C.		X	Insp. @ E.O.

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OPERATIONS SPECIFICATIONS

AIRCRAFT MAINTENANCE -- SUPPLEMENT  
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ATA CHAPTER	OH	L	PF	P	BIP	OTHER
77 - Engine Indicating						
Generator, tachometer Task P/N AG34	2	E.O.		X		
Horn, overtemp warning Mallory P/N SC 628H	O.C.			X		
Indicator, torque						



Relay, starter/ generator	10,000	X	Sample Insp. 1 @ 5,000 & 1 @ 7,500
Starter, generator	2 E.O.	X	Insp. @ 1 1/2 P
82 - Water Methanol			
Relay, water methanol pump	O.C.	X	
Tank, water methanol	O.C.	X	
Valve, water methanol shutoff	O.C.	X	
Indicator, water methanol qty.	5,000	X	
Transmitter, water methanol qty.	O.C.	X	
Transmitter, water methanol pressure	O.C.	X	
Filter, water methanol supply	O.C.	X	Insp. @ 2 P
Indicator, water methanol pressure	5,000	X	
Pump, water methanol boost	4,000	X	

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