# Introduction

# INTRODUCTION

# LIST OF PAGE EFFECTIVITY

CHAPTER SECTION		
SUBJECT	PAGE	DATE
INTRODUCTION-EFFECTIVITY	1	Sep 20/85
INTRODUCTION	1	Nov 30/83
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	20	Aug 15/80

"END"

#### INTRODUCTION

This BEECHCRAFT Duke 60 Maintenance Manual is prepared in accordance with the ATA (Air Transport Association) Specification No. 100 format. Additional airframe manuals, which supplement this maintenance manual are the BEECHCRAFT Duke 60 Wiring Diagram Manual, P/N 60-590001-29 and the BEECHCRAFT Duke 60 Beech Manufactured Component Maintenance Manual, P/N 60-590001-27.

#### NOTICE

Beech Aircraft Corporation expressly reserve the right to supersede, cancel and/or declare obsolete any part, part numbers, kits or publication that may be referenced in this manual without prior notice.

#### NOTE

Service publication reissues or revisions are not automatically provided to the holders of this manual. For information on how to obtain a revision service applicable to this manual, refer to BEECHCRAFT Service Instructions No. 0250-010, Rev. I or subsequent revisions.

#### CORRESPONDENCE

If a question should arise concerning the care of your airplane, it is important to include the airplane serial number in any correspondence. The serial number appears on the model designation placard (refer to Chapter 11 for placard location).

#### ASSIGNMENT OF SUBJECT MATERIAL

The content of this publication is organized at four levels: Group, System/Chapter, Sub-System/Section, and Unit/Sub-ject.

**Group** - Identified by different colored divider tabs. These are primary divisions of the manual that enable broad separation of content. Typical of this division is the separation between Airframe Systems and the Power Plant.

System/Chapter - The various groups are broken down into major systems such as Air Conditioning, Electrical Power, Landing Gear, etc. The systems are arranged more or less alphabetically rather than by precedence or importance. They are assigned a number, which becomes the first element of a standardized numbering system. Thus, the element "28" of the number 28-00-00 refers to

the chapter "Fuel". Everything concerning the fuel system will be covered in this chapter.

**Sub-System/Section** - The major systems of an aircraft are broken down into sub-systems. These sub-systems are identified by the second element of a standard numbering system. The number "40" of the number 28-40-00 is for the indicating portion of the fuel system.

**Unit/Subject** - The individual units within a sub-system may be identified by the third element of the standard numbering system, such as 28-40-01. This number is assigned by the manufacturer and may, or may not, be used and will vary in usage.

#### **APPLICATION**

Any publication conforming to the ATA format will use the same basic numbering system. Thus, whether the manual be a BEECHCRAFT Duke 60 Maintenance Manual, or Wiring Diagram Manual for a Beech Duke 60, the person wishing information concerning the indicating portion of the fuel system would refer to the Tab System/Chapter 28, Fuel. The table of contents in the front of the chapter will provide a list of sub-systems covered in the chapter.

# For example:

20-00	General
28-10	Storage
	(Tanks, cells, necks,
	caps, instruments, etc.)
28-20	Distribution
	(Fuel lines, pumps, valves,
	controls, etc.)
28-30	Dump
	(If in-flight dumping system is
	installed, it would appear here.)
28-40	Indicating
	(Quantity, temperature, pressure,
	etc., does not include engine
	fuel flow or pressure.)

General

Carrying this example further, Fuel Indication, Left Indicator Panel, could be assigned the number 28-41-01.

The table of contents in front of each chapter will list the items covered and the numbers assigned.

All publications will use the standard numbering system, even though all chapters may not be applicable to the aircraft or to the publication.

#### ATA 100 PAGE BLOCK GUIDE

Following is a guide to the assignment of the blocks of pages within each System/Chapter, Sub-System/Section, Unit/Subject number in the maintenance manual.

Description and Operation Pages 1 to 100
Troubleshooting Pages 101 to 200
Maintenance Practices Pages 201 to 300

The text providing the coverage of the description and operation of a system or component would appear on pages numbered consecutively 1 through 100, if needed. The information pertaining to the troubleshooting of this same system or component would appear on pages numbered consecutively 101 through 200, if needed. The maintenance practices information would appear on pages numbered 201 through 300. The word "END" at the bottom of a page would indicate the last page in that block.

#### LIST OF EFFECTIVE REVISIONS

The Log of Effective Revisions following the title page of the manual lists the revisions currently effective for the manual.

# LIST OF EFFECTIVE PAGES

The List of Effective Pages and the Table of Contents in the front of each chapter will each start with page 1 and be numbered consecutively, thereafter, as necessary.

#### ALPHABETICAL INDEX

An alphabetical index, as part of the introduction, is provided as an assistance in locating the desired information. The alphabetical index provides the chapter and sub-chapter in which any given information may be found. Reference to the Table of Contents in the front of the indicated chapter will provide the exact page on which the information can be found.

#### MICROFICHE - AEROFICHE

The General Aircraft Manufacturers Association has developed a specification for microfiche and registered the name Aerofiche for use by all GAMA Members. Consult the

current issue of the Publications Price List for an enumeration of the maintenance information available in Aerofiche form for order from Beech Aircraft Corporation.

#### ATA 100 INDEX GUIDE

The following is an ATA-100 System/Chapter, Sub-System/Section Index Guide for use with Maintenance Manuals, Parts Catalogs, Wiring Diagram Manuals and Component Maintenance Manuals as required.

#### WARNING

Use only genuine BEECHCRAFT or BEECHCRAFT approved parts obtained from BEECHCRAFT approved sources, in connection with the maintenance and repair of Beech airplanes.

Genuine BEECHCRAFT parts are produced and inspected under rigorous procedures to insure airworthiness and suitability for use in Beech airplane applications. Parts purchased from sources other than BEECHCRAFT, even though outwardly identical in appearance, may not have had the required tests and inspections performed, may be different in fabrication techniques and materials, and may be dangerous when installed in an airplane.

Salvaged airplane parts, reworked parts obtained from non-BEECHCRAFT approved sources, or parts, components, or structural assemblies, the service history of which is unknown or cannot be authenticated, may have been subjected to unacceptable stresses or temperatures or have other hidden damage, not discernible through routine visual or usual nondestructive testing techniques. This may render the part, component or structural assembly, even though originally manufactured by BEECHCRAFT, unsuitable and unsafe for airplane use.

BEECHCRAFT expressly disclaims any responsibility for malfunctions, failures, damage or injury caused by use of non-BEECHCRAFT approved parts

#### NOTE

It shall be the responsibility of the owner/operator to ensure that the latest revision of publications referenced in this handbook are utilized during operation, servicing, and maintenance of the airplane.

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# ATA-100 SYSTEM/CHAPTER INDEX GUIDE

The following chapters are not covered within this Maintenance Manual: 26, 29, 31, 37, 39, 49, 54, 60, 70, 75, 76, 78, and 83

CHAPTER	SECTION	TITLE	
INTRODUCTION			
AIRCRAFT GENERAL			
5	TIME LIMITS/MAINTENANCE CHECKS		
	10 20	Time Limits Scheduled Maintenance Checks	
6	DIMENSIONS AND AREAS		
7	LIFTING AND SHORING		
	00	General	
8	LEVELING AND WEIGHING	i	
	00	General	
9	TOWING AND TAXIING		
	00	General	
10	PARKING AND MOORING		
	00	General	
11	PLACARDS AND MARKING	S	
	00	General	
12	SERVICING		
	00 10 20	General Replenishing Scheduled Servicing	

SUB-SYSTEM/

# AIRFRAME SYSTEMS

SYSTEM/

20 STANDARD PRACTICES-AIRFRAME

00 Standard Practices-Airframe

SYSTEM/ CHAPTER	SUB-SYSTEM/ SECTION	TITLE
21	AIR CONDITIONING	
	00 10 20 30 40	General Compression Distribution Pressurization Control Heating Cooling
22	AUTO FLIGHT	
	00 10 11	General Autopilot (H14) Autopilot (New-Matic)
23	COMMUNICATIONS	
	60	Static Discharging
24	ELECTRIC POWER	
	00 30 31 32 40 50	General DC Generation DC Generation (Battery) DC Generation (Charge Current Detector) External Power Electrical Load Distribution
25	EQUIPMENT/FURNISHING	s
	00 60	General Emergency
26	FIRE PROTECTION	
27	FLIGHT CONTROLS	
	00 10 20 30 50 60 70	General Aileron and Tab Rudder and Tab Elevator and Tab Flaps Spoiler, Drag Devices and Variable Aerodynamic Fairings Gust Lock and Dampener
28	FUEL	
	00 10 20 40	General Storage Distribution Indicating

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# TEMPORARY REVISION NO. 20-1

Dated: April 1, 2011

This Temporary Revision applies to the

# **Duke 60 Series**

Model 60

Model A60

Model B60

(P-4 thru P-126 except P-123)

(P-123, P-127 thru P-246)

(P-247 and After)

# **Maintenance Manual**

P/N 60-590001-25

# **Hawker Beechcraft Corporation**

**DUKE 60 MAINTENANCE MANUAL** 

Manual Affected: Duke 60 Maintenance Manual (60-590001-25).

Instructions: Insert this Temporary Revision (TR) facing page 1, Chapter 20-00-00.

Reason: Add Warning.

airplane to service.

WARNING: Any maintenance requiring the disconnection and reconnection of flight control cables, plumbing, electrical connectors or wiring requires identification of each side of the component being disconnected to facilitate correct reassembly. At or prior to disassembly, components should be color coded, tagged or properly identified in a way that it will be obvious how to correctly reconnect the components. After reconnection of any component, remove all identification tags. Check all associated systems for correct function prior to returning the

This chapter describes the standard maintenance practices used in maintaining the airplane in an airworthy condition. The information in this chapter is applicable during maintenance in several chapters of this maintenance manual. Maintenance procedures in a particular chapter supersede the general information in this chapter.

SYSTEM/ CHAPTER	SUB-SYSTEM/ SECTION	TITLE
CHAPTER	SECTION	IIILL
30	ICE AND RAIN PROTECTION	
	00	General
	10	Airfoil
	20	Air Intakes
	30	Pitot and Static
		Windows and Windshields
	40	
	60	Propellers/Rotors
32	LANDING GEAR	
	00	General
	10	Main Gear and Doors
	20	Nose Gear and Doors
	30	Extension and Retraction
	40	Wheels and Brakes
	50	
	60	Steering
	00	Position and Warning
33	LIGHTS	
	00	General
	40	Exterior
	10	Exterior
34	NAVIGATION	
	10	Flight Environment Data
35	OXYGEN	
	00	General
36	PNEUMATIC	
	00	General
AIRFRAME SYSTEMS	5	
38	WATER/WASTE	
	30	Waste Disposal
STRUCTURES		
51	STRUCTURES	
	00	General

SYSTEM/ CHAPTER	SUB-SYSTEM/ SECTION	TITLE
52	DOORS	
	00 10 60 70	General Passenger/Crew Entrance Stairs Door Warning
53	FUSELAGE	
	30	Plates/Skin
55	STABILIZERS	
	00 10 20 30 40	General Horizontal Stabilizers Elevator Vertical Stabilizer Rudder
56	WINDOWS	
	00 10 20	General Flight Compartment Cabin
57	WINGS	
	00 30 40 50	General Plates/Skin Attach Fittings Flight Surfaces
PROPELLERS		
61	PROPELLERS	
	00	General
POWER PLANT		
71	POWER PLANT	
	00 10	General Cowling
72	ENGINE RECIPROCATING	
73	ENGINE FUEL AND CONTROL	
	30	Indicating

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SYSTEM/ CHAPTER	SUB-SYSTEM/ SECTION	TITLE
74	IGNITION	
	00 10 20	General Electrical Power Supply Distribution
77	ENGINE INDICATING	
	00	General
79	OIL	
	00	General
80	STARTING	
	00 10	General Cranking
81	TURBINES	
	00	General
91	CHARTS	
	00	Charts

#### SUPPLEMENTARY PUBLICATIONS

The following is a list of publications providing servicing, overhaul and parts information on various components on the BEECHCRAFT Duke 60 Series airplanes which you may obtain to supplement the BEECHCRAFT Duke 60 Series Maintenance Manual. In most instances you should obtain the publications directly from the manufacturer or his distributor. Only a few, such as Beech supplementary publications, are available from Parts and Service Operations, Beech Aircraft Corporation. Those which are so available are listed in the current Publications Price List. Since a wide variety of radio components and equipment is available and because radio manufacturers normally supply parts and servicing manuals with each set, radio publications have not been included in the list. As publications on additional components become available, they will be added to the list of publications.

Installation, Maintenance and Illustrated Parts Breakdown for 60-389017 Voltage Regulator.

# **BEECH PUBLICATIONS**

98-33857

	The Market Control of the Control of
98-36235	Installation, Maintenance and Illustrated Parts Breakdown for 60-389017-1 Voltage Regulator.
98-33702	Overhaul and Parts Breakdown for 50-921560 Engine Driven Fuel Pump.
98-37031	Inspection Procedures and Maintenance Guide for the OECO 20139 and 20051 Inverter.
98-35655	Brittain B-5 and B-7 Autopilot Operating Manual.
98-35850	Brittain B-5 and B-7 Autopilot Maintenance Manual and Illustrated Parts Breakdown.
98-34350	Operation Manual for 3-Button Flight Controller.
98-35636	Operation Manual for 4-Button Flight Controller (With Heading Selector).
98-32751	Maintenance Instructions for Goodyear Wheel, Brake and Tire Assembly.
98-34998	Maintenance Instructions for Goodrich Wheel, Brake and Tire Assembly.
98-36374	Overhaul and Cleaning Procedure for Pressurization Controllers, Outflow and Safety Valves
H-14 AUTOP	ILOT
130333C	Maintenance Manual.
98-30603	Maintenance Manual Supplement.
92-30103B	Overhaul Instructions for BG274B2, C1, C2 Computer.
92-30105	Overhaul Instructions for CG136A1 Heading Selector.
92-30106B	Overhaul Instructions for MG113A1, MG113A2, MG113A3, MG114A4 Actuator and SG28A1, SG28A3 Pressure Switch.
92-30107A1	Overhaul Instructions for PG51A1 Altitude Control.
92-30229	Overhaul Instructions for GG205A3, GG205A4, (GG205B4) Turn and Bank Indicator Gyro.
92-30411B	Overhaul Instructions for GG201A1, GG201B1 Vertical Gyro.
92-30412B	Overhaul Instructions for GG2021, GG202B1 Directional Gyro.

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#### H-14 AUTOPILOT (Cont'd.)

98-32523 Overhaul Instructions for MG112A1, MG112B1 Trim Actuator.

98-32839 Overhaul Instructions for CG417B1, CG417B2 Flight Controller.

#### **VENDOR PUBLICATIONS**

#### **ENGINE**

Parts Catalog PC-120, Avco Lycoming Division, Williamsport, Pennsylvania. Overhaul Manual 60294-6, Avco Lycoming Division, Williamsport, Pennsylvania. Operator's Manual 60297-13, Avco Lycoming Division, Williamsport, Pennsylvania.

#### FUEL INJECTION

Operation and Service Manual, Form 15-468, Bendix Corporation, South Bend, Indiana.

#### PROPELLER

Overhaul Instructions 117B for Hartzell Propeller, Hartzell Propeller Inc., Piqua, Ohio.

Owners Manual 115E for Hartzell HCF3YR2/C7479-2R and Hartzell HCF3YR2F/FC7479B2R Propellers, Hartzell Propeller Inc., Piqua, Ohio.

Spinner Assembly Maintenance Instruction Guide, Issued: June 1974, Hartzell Propeller Inc., Piqua, Ohio

Maintenance Handbook for Constant Speed Hydraulic Propeller Governor Type CSSA, Number 33002, Woodward Governor Company, Rockford, Illinois.

#### **MAGNETOS**

Overhaul Instructions for Bendix S-1200 Series Magnetos, Form L-609, Scintilla Division, Bendix Aviation Corporation, Sidney, New York.

Service Parts List for Bendix S-1200 Series Magnetos, Form L-608, Scintilla Division, Bendix Aviation Corporation, Sidney, New York.

#### STARTING MOTOR

Overhaul Instructions, Form OE-A1, Prestolite Company, Toledo, Ohio.

#### DEICER DISTRIBUTOR VALVE

Overhaul Instructions with Parts Breakdown, Publication Number 38U-2-142, Fluid Power Division, Bendix Aviation Corp. Utica, New York.

Operation and Service Instructions, Publication Number 39U-1-810E Fluid Power Division, Bendix Aviation Corp. Utica, New York.

# ELECTRONIC SYNCHRONIZER

Installation Manual, Bulletin Number 33032A, Woodward Governor Company, Rockford, Illinois.

Propeller Synchronizer for Light Twin Engine Aircraft, Bulletin Number 33049C, Woodward Governor Company, Rockford, Illinois.

#### HYDRAULIC ACCUMULATOR

Maintenance Manual Number 33058, Woodward Governor Company, Rockford, Illinois.

#### **GENERATOR**

Overhaul and Parts Breakdown, File 30204, Lear Siegler Inc., Cleveland, Ohio.

#### BATTERY

Operator and Service Manual for Vented-Cell Nickel-Cadmium Battery, GET3593A, General Electric Company, Gainesville, Florida

Maintenance Manual for Nickel-Cadmium Battery, ABD1100, Gulton Industries, Inc., Metuchen, New Jersey.

Marathon Battery Installation Manua, BA89, Marathon Battery Co., Cold Springs, N.Y.

#### ELECTRIC PROPELLER DEICER

Installation of Deicer Boots, Report 59-728, B.F. Goodrich Company, Akron, Ohio.

Installation, Inspection and Testing of Propeller Deicer System, Report 68-04-708, B.F. Goodrich Company, Akron, Ohio.

#### HEATER VENT BLOWER

Overhaul Instructions for Vane Axial Blower Number M6921N6A, with Motor M3416DA, Dynamic Air Engineering Inc., Santa Ana, California.

#### HEATER

Maintenance Instructions for Janitrol A34D51 Aircraft Heater, Publication Number 57D83, Janitrol Aero Division, Midland-Ross Corporation, Columbus, Ohio.

Maintenance Instructions for Janitrol 52D70 Aircraft Heater Ignition Unit, Publication Number 58D42, Janitrol Aero Division, Midland-Ross Corporation, Columbus, Ohio.

# AIR CONDITIONER COMPRESSOR

Series 67 Compressor Service Manual, Form 180.33NM, York Corporation, York, Pennsylvania.

Renewal Parts List, Form 180.33RP, York Corporation, York, Pennsylvania.

#### OUTFLOW AND SAFETY VALVE

Operation and Maintenance Instructions, Report No. 4-268, 15 April 1975, Garrett Airesearch Manufacturing Division, Los Angeles, CA.

#### FUEL CELLS

Recommended Handling and Storage Procedures for Bladder Type Fuel and Oil Cells, Publication Number FC1473-73, Uniroyal Inc., Mishawaka, Indiana 46544.

Repair Procedures for Heated Repairs to Bladder and Self-sealing Fuel Cells, Repair Procedure RK-72, February 3, 1977, Uniroyal, Inc., Mishawaka, Indiana 46544.

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#### NEWMATIC AUTOPILOT

B-8 Ground and Flight Check Procedures Manual Number 3957, Brittain Industries, Torrance, California.

#### LANDING GEAR MOTOR

Component Maintenance Manual with Illustrated Parts List for Landing Gear Motor P/N 27-4 and 27-8, Electro-Mech, Inc., Wichita, Ks.

#### BRAKES

Overhaul Information for A22 Brake Shuttle Valve, Publication Number 74456, Hoof Products, Co., Chicago, Illinois.

Overhaul Information for Brake Shuttle Valve, A-SA404, Publication Number 23595, Paramount Machine Co., Stow, Ohio.

#### EMERGENCY LOCATOR TRANSMITTER

Operating Instructions for Model CIR-10() Emergency Locator Transmitter System, Transmitter P/N TR 70-17, Collins/Communications Components Corporation, Costa Mesa, California.

Operating Instructions for Model CIR-11() Emergency Locator Transmitter System, Transmitter P/N TR 70-13, Collins/Communication Components Corporation, Costa Mesa, California.

Owners Manual, Installation and Pilot's Guide P/N 03716-0602 for the Narco ELT 10 Emergency Locator Transmitter, Narco Avionics, Division of Narco Scientific Industries, Fort Washington, Pennsylvania.



COMPONENT ITEM OR SYSTEM NAME	CHAPTER NAME	CHAPTER & SUB CHAPTER
A		
AC GENERATION	ELECTRICAL POWER	24-00-00
AILERON BALANCING	WINGS	57-50-00
AILERON CONTROL CABLE INSTALLATION	FLIGHT CONTROLS	27-10-00
AILERON CONTROL CABLE REMOVAL	FLIGHT CONTROLS	27-10-00
AILERON CONTROL SYSTEM RIGGING	FLIGHT CONTROLS	27-10-00
AILERON INSTALLATION	FLIGHT CONTROLS	27-10-00
AILERUN MAINTENANCE	WINGS	57-50-00
AILERON REMOVAL	FLIGHT CONTROLS	27-10-00
AILERON SERVO PRESSURE REGULATOR	PNEUMATIC	36-00-00
AILERON TRIM TAB ACTUATOR INSTALLATION	FLIGHT CONTROLS	27-10-00
AILERON TRIM TAB ACTUATOR REMOVAL	FLIGHT CONTROLS	27-10-00
AILERON TRIM TAB CABLE INSTALLATION	FLIGHT CONTROLS	27-10-00
AILERON TRIM TAB CABLE REMOVAL	FLIGHT CONTROLS	27-10-00
AILERON TRIM TAB RIGGING	FLIGHT CONTROLS	27-10-00
AILERON TRIM TAB-CHECKING FREE PLAY	FLIGHT CONTROLS	27-10-00
AIR CUNDITIONER-CHARGING	SERVICING	12-10-00
AIR CONDITIONING FUNCTIONAL TEST	AIR CONDITIONING	21-50-00
AIR CONDITIONING SYSTEM	AIR CONDITIONING	21-00-00
AIR CONDITIONING SYSTEM	SERVICING	12-10-00
AIR CONDITIONING SYSTEM CHARGING	AIR CONDITIONING	21-50-00
AIR SCOUP RIGGING AIR CONDITIONING	AIR CONDITIONING	21-50-00
AIRPLANE FINISH CARE	STANDARD PRACTICES-AIRFRA	1111명(휴대) - 이러네 - 연락(휴
AIRPLANE FINISH CLEANING & WAXING	SERVICING	12-20-00
ALCAL CALIBRATION UNIT	ENGINE INDICATING	77-00-00
ALTITUDE CONTROLLER INSTALLATION, CABIN	AIR CONDITIONING	21-30-00
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ASSIST STEP ADJUSTMENT-FOLDED ASSIST STEP BELL CRANK INSTALLATION	DOORS	52-60-00
ASSIST STEP BELL CRANK REMOVAL	DOORS	52-60-00
ASSIST STEP CABLE INST (P-4 THRU P-509)	DOORS	52-60-00
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ASSIST STEP CABLE REM (P-4 THRU P-509)	DOORS	52-60-00
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ASSIST STEP STRUT ASSY INSTALLATION	DOORS	52-60-00
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AUTOPILOT PNEUMATIC SYSTEM	AUTO FLIGHT	22-10-00
AUTOPILOT REGULATOR-H-14	PNEUMATIC	36-00-00
AUTUPILOT-H-14	AUTO FLIGHT	22-10-00
AUTOPILOT-NEW-MATIC	AUTO FLIGHT	22-11-00
<b>D</b>		
В		
BATT REPL, COLLINS/COMM COMP CORP ELT	EQUIPMENT/FURNISHINGS	25-60-00
BATTERY	ELECTRICAL POWER	24-00-00
BATTERY	SERVICING	12-20-00
BATTERY CAPACITY CHECK	ELECTRICAL POWER	24-31-00
BATTERY CAPACITY RECONDITIONING	ELECTRICAL POWER	24-31-00
BATTERY CHARGE CURRENT DETECTOR SYSTEM	ELECTRICAL POWER	24-00-00
BATTERY CHARGE CURRENT DETECTOR SYSTEM	ELECTRICAL POWER	24-32-00
BATTERY CHARGING	ELECTRICAL POWER	24-31-00
BATTERY CLEANING AND INSPECTION	ELECTRICAL POWER	24-31-00
BATTERY CONSTANT CURRENT CHARGING	ELECTRICAL POWER	24-31-00
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BATTERY ELECTRICAL LEAKAGE CHECK	ELECTRICAL POWER	24-31-00
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BATTERY INSTALLATION BATTERY MAINTENANCE LOG	ELECTRICAL POWER	24-31-00
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BATTERY PRE-INSTALLATION INSTRUCTION	ELECTRICAL POWER ELECTRICAL POWER	24-31-00
BATTERY RECONDITIONING FREQUENCY	ELECTRICAL POWER	24-31-00 24-31-00
BATTERY RECONDITIONING PROCEDURE	ELECTRICAL POWER	24-31-00
BATTERY REMOVAL	ELECTRICAL POWER	24-31-00
BATTERY REPL, NARCO ELT	EQUIPMENT/FURNISHINGS	25-60-00
BATTERY STAND-BY CHARGING	ELECTRICAL POWER	24-31-00

COMPONENT ITEM	CHAPTER	CHAPTER &
OR SYSTEM NAME	NAME	SUB CHAPTER
В		
A TOTAL CONTROL OF THE PROPERTY OF THE PROPERT		
BRAKE ASSEMBLY	LANDING GEAR	32-40-00
BRAKE ASSEMBLY INSTALLATION BRAKE ASSEMBLY REMOVAL	LANDING GEAR	32-40-00
BRAKE GRAVITY BLEEDING	LANDING GEAR	32-40-00
BRAKE HYDRAULIC SYSTEM	LANDING GEAR LANDING GEAR LANDING GEAR LANDING GEAR LANDING GEAR LANDING GEAR	32-40-00 32-40-00 32-40-00 32-40-00
BRAKE MASTER CYLINDER INSTALLATION	LANDING GEAR	32-40-00
BRAKE MASTER CYLINDER LINKAGE ADJUST	LANDING GEAR	32-40-00
BRAKE MASTER CYLINDER REMOVAL BRAKE PRESSURE BLEEDING	LANDING GEAR	32-40-00
BRAVE SYSTEM	LANDING GEAR SERVICING	32-40-00
BRAKE SYSTEM BLEEDING BRAKE SYSTEM BLEEDING-DUAL BRAKE WEAR LIMITS-GOODRICH BRAKE WEAR LIMITS-GOODYEAR	LANDING GEAR	32-40-00 12-10-00 32-40-00 32-40-00 32-40-00
BRAKE SYSTEM BLEEDING-DUAL	LANDING GEAR LANDING GEAR	32-40-00
BRAKE WEAR LIMITS-GOODRICH	LANDING GEAR	32-40-00
BRANE HEAR LIMITS-GOODTEAK	LANDING GEAR	32-40-00
C		
CABIN ALTITUDE CONTROLLER FILTER	AIR CONDITIONING AIR CONDITIONING	21-30-00
CABIN ALTITUDE CONTROLLER INSTALLATION	AIR CONDITIONING	21-30-00 21-30-00
CABIN ALTITUDE CONTROLLER INSTALLATION	AIR CONDITIONING	21-30-00
CABIN ALTITUDE CONTROLLER REMOVAL	AIR CONDITIONING	21-30-00
CABIN ALTITUDE CONTROLLER-MANUAL CABIN ALTITUDE CONTROLLER-MOTORIZED	AIR CONDITIONING AIR CONDITIONING	21-30-00
CABIN DOOR	DOORS	21-30-00
CABIN DOOR INSTALLATION	DOORS	52-10-00 52-10-00
CABIN DOOR LATCH ADJUSTMENT	DOORS	52-10-00
CABIN DOOR LATCH MECHANISM LUBE CABIN DOOR LATCH MECHANISM RIGGING	DOORS	52-10-00 52-10-00
CABIN DOOR LIGHT SWITCHES	DOORS DOORS	52-10-00 52-70-00
CABIN DOOR REMOVAL	DOORS	52-10-00
CABIN TEMP SENSORS/CONT RHEO TEST	AIR CONDITIONING	52-10-00 21-40-00
CABLE TENSION-EFFECT OF TEMP UPON	FLIGHT CONTROLS	27-00-00
CARRY THROUGH STRUCTURE CHEMICAL TOILET CLEANING	WINGS	57-00-00
COMBUSTION AIR BLOWER INSTALLATION	WATER/WASTE AIR CONDITIONING	38-30-00
COMBUSTION AIR BLOWER REMOVAL	AIR CONDITIONING	21-40-00 21-40-00
COMPRESSION	AIR CONDITIONING	21-10-00
COMPRESSOR BELT INSTALLATION COMPRESSOR BELT REMOVAL	AIR CONDITIONING	21-50-00
COMPRESSOR BELT TENSION ADJUSTMENT	AIR CONDITIONING AIR CONDITIONING	21-50-00
COMPRESSOR BELT TENSION ADJUSTMENT	SERVICING	21-50-00 12-10-00
COMPRESSOR INSTALLATION	AIR CONDITIONING	21-50-00
COMPRESSOR OIL LEVEL CHECKING COMPRESSOR OIL LEVEL CHECKING	SERVICING	12-10-00
COMPRESSOR REMOVAL	AIR CONDITIONING AIR CONDITIONING	21-50-00
CONDENSER BLOWER INSTALLATION	AIR CONDITIONING	21-50-00
CONDENSER BLOWER REMOVAL	AIR CONDITIONING	21-50-00
CONSUMABLE MATERIALS CONSUMABLE MATERIALS CHART	CHARTS	91-00-00
CONTROL COLUMN	SERVICING	12-20-00
CONTROL COLUMN BUS CABLE INSTALLATION	FLIGHT CONTROLS FLIGHT CONTROLS	27-00-00 27-00-00
CONTROL COLUMN BUS CABLE REMOVAL	FLIGHT CONTROLS	27-00-00
CONTROL COLUMN BUS CABLE RIGGING	FLIGHT CONTROLS	27-00-00
CONTROLLER INSTALLATION, CABIN ALTITUDE CONTROLLER REMOVAL, CABIN ALTITUDE	AIR CONDITIONING	21-30-00
COOLING	AIR CONDITIONING AIR CONDITIONING	21-30-00
COWL FLAP ACTUATOR RIGGING	POWER PLANT	21-50-00 71-10-00
COME FLAP AND ACTUATOR INSTALLATION	POWER PLANT	71-10-00
COWL FLAP AND ACTUATOR REMOVAL COWLING INSTALLATION	POWER PLANT	71-10-00
COWLING REMOVAL	POWER PLANT	71-10-00
_	POWER PLANT	71-10-00
D		
DC GENERATION	ELECTRICAL POWER	24-00-00
DEFUELING-AIRCRAFT	FUEL	28-00-00
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COMPONENT ITEM OR SYSTEM NAME	CHAPTER NAME	CHAPTER & SUB CHAPTER
D		
DEICER BOOTS DEICER BOOTS-RESURFACING DEICER SYSTEM-AIRFOIL DIF CONT & SAFETY VALVE ADJUSTMENT DIF CONT & SAFETY VALVE INSTALLATION	SERVICING ICE AND RAIN PROTECTION ICE AND RAIN PROTECTION AIR CONDITIONING AIR CONDITIONING	12-20-00 30-10-00 30-10-00 21-30-00 21-30-00
DIF CONT & SAFETY VALVE REMOVAL DIFFERENTIAL CONTROL VALVE DIMENSIONS—AIRCRAFT DISTRIBUTION	AIR CONDITIONING AIR CONDITIONING DIMENSIONS AND AREAS AIR CONDITIONING	21-30-00 21-30-00 06-00-00 21-20-00
E		
ELECT TRIM TAB ACT MAG CLUTCH INST ELECT TRIM TAB ACT MAG CLUTCH TEST ELECT TRIM TAB ACT MAG CLUTCH REMOVAL ELECTRIC TRIM TAB ACTUATOR INSTALLATION ELECTRIC TRIM TAB ACTUATOR REMOVAL ELECTRIC TRIM TAB CABLE INSTALLATION ELECTRICAL UTILIZATION LOAD CHART ELEVATOR BALANCING ELEVATOR CABLE INSTALLATION ELEVATOR CABLE INSTALLATION ELEVATOR CABLE REMOVAL	FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS ELECTRICAL POWER STABILIZERS FLIGHT CONTROLS FLIGHT CONTROLS	27-30-00 27-30-00 27-30-00 27-30-00 27-30-00 27-30-00 24-50-00 27-30-00 27-30-00
ELEVATOR CONTROL SYSTEM RIGGING ELEVATOR INSTALLATION ELEVATOR REMOVAL ELEVATOR TRIM TAB ACTUATOR INSTALLATION ELEVATOR TRIM TAB ACTUATOR REMOVAL	FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS	27-30-00 27-30-00 27-30-00 27-30-00 27-30-00
ELEVATOR TRIM TAB CABLE INSTALLATION ELEVATOR TRIM TAB CABLE REMOVAL ELEVATOR TRIM TAB RIGGING ELEVATOR TRIM TAB—CHECKING FREE PLAY ELT BATT REPL, COLLINS/COMM COMP CORP ELT BATTERY REPLACEMENT, NARCO	FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS EQUIPMENT/FURNISHINGS	27-30-00 27-30-00 27-30-00 27-30-00 25-60-00
EMERGENCY LOCATOR TRANSMITTER EMPENNAGE ENGINE AIR INDUCTION SYSTEM ENGINE BUILD-UP ENGINE GROUND RUNNING AND WARM-UP	EQUIPMENT/FURNISHINGS EQUIPMENT AND FURNISHINGS STABILIZERS TURBINES POWER PLANT POWER PLANT	25-60-00 25-60-00 55-00-00 81-00-00 71-00-00
ENGINE IDLE SPEED & MIXTURE ADJUSTMENT ENGINE INSTALLATION ENGINE OILS—APPROVED ENGINE OVERBOOST CONTROL ENGINE OVERBOOST CONTROL ENGINE OVERHAUL	STABILIZERS TURBINES POWER PLANT POWER PLANT POWER PLANT POWER PLANT CHARTS OIL TURBINES ENGINE	71-00-00 71-00-00 91-00-00 79-00-00 81-00-00
ENGINE REMOVAL EQUIPMENT, TEST (PO4 & AFTER) EVAPORATOR AIR FILTER REPLACEMENT EVAPORATOR AIR FILTER REPLACEMENT EXTERNAL POWER EXTERNAL POWER	ENGINE POWER PLANT AIR CONDITIONING AIR CONDITIONING SERVICING ELECTRICAL POWER SERVICING	72-00-00 71-00-00 21-30-00 21-50-00 12-10-00 24-40-00 12-20-00
F	SERVICING	12-20-00
FIBERGLASS COMPONENTS-REPAIR OF FIREWALL SHUT-OFF VAI VE FLAP ACTUATOR INSTALLATION FLAP ACTUATOR REMOVAL FLAP CONTROL SYSTEM RIGGING FLAP FUNCTIONAL GROUND TEST FLAP INSTALLATION FLAP MOTOR/GEARBOX INSTALLATION FLAP MOTOR/GEARBOX REMOVAL FLAP POS IND LIGHTS-ADJUST & CHECK FLAP POSITION TRANSMITTER ADJUSTMENT	STRUCTURES AIR CONDITIONING FLIGHT CONTROLS	51-00-00 21-10-00 27-50-00 27-50-00 27-50-00 27-50-00 27-50-00 27-50-00 27-50-00 27-50-00
FLAP REMOVAL FLAP TRACK ROLLER INSTALLATION FLAPS	FLIGHT CONTROLS FLIGHT CONTROLS FLIGHT CONTROLS	27-50-00 27-50-00 27-50-00

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F		300 CHAPTER
FLARE FITTING TORQUE CHART	CHARTS	91-00-00
FLARED FITTINGS	FUEL	28-20-00
FLIGHT CONTROLS	FLIGHT CONTROLS	27-00-00
FUEL BOOST PUMP INSTALLATION	FUEL	28-20-00
FLIGHT CONTROLS FUEL BOOST PUMP INSTALLATION FUEL BOOST PUMP REMOVAL FUEL BOOST PUMPS	FUEL FUEL FUEL FUEL FUEL FUEL FUEL FUEL	28-20-00
FUEL CELL DRAINS	FUEL	28-00-00 28-00-00
FUEL CELL FLAPPER VALVE INSP-BAFFLED	FUEL	28-10-00
FUEL CELL INST-INBOARD LEADING EDGE	FUEL	28-10-00
FUEL CELL INST-OUTBOARD LEADING EDGE FUEL CELL INSTALLATION-BOX SECTION	FUEL	28-10-00
FUEL CELL INSTALLATION-NACELLE	FUEL	28-10-00 28-10-00
FUEL CELL LEAKAGE CHECK	FUEL	28-10-00
FUEL CELL REMOVAL-BOX SECTION	FUEL	28-10-00
FUEL CELL REMOVAL-INBD LEADING EDGE FUEL CELL REMOVAL-NACELLE	FUEL	28-10-00
FUEL CELL REMOVAL-OUTBD LEADING EDGE	FUEL	28-10-00 28-10-00
FUEL CELL REPAIR-GOODYEAR	FUEL	28-10-00
FUEL CELL REPAIR-UNIRDYAL	FUEL	28-10-00
FUEL CELL VELCRO TAPE-INST OF FUEL CELL VENT FLOAT VALVE INSTALLATION	FUEL	28-10-00
FUEL CELL VENT FLOAT VALVE REMOVAL	FUEL	28-20-00
FUEL CELL VENT LINE-EXTERNAL	FUEL	28-20-00 28-20-00
FUEL CELLS	FUEL	28-00-00
FUEL CELLS-FILLING FUEL CROSSFEED	SERVICING	12-10-00
FUEL FILTERS AND SCREENS-ENGINE	FUEL	28-00-00
FUEL FLOW INDICATOR	ENGINE FUEL AND CONTROL	12-10-00 73-30-00
FUEL GAGING SYSTEM-ADJUST AND TEST	FUEL	28-40-00
FUEL HANDLING PRACTICES	FUEL	28-00-00
FUEL PUMP ADJUSTMENT-ENGINE DRIVEN FUEL PUMP INSTALLATION-ENGINE DRIVEN	FUEL	28-20-00
FUEL PUMP REMOVAL-ENGINE DRIVEN	FUEL	28-20-00
FUEL QUANTITY INDICATORS	FUEL	28-20-00 28-40-00
FUEL SELECT VALVE CONT CABLE REMOVAL	FUEL	28-20-00
FUEL SELECT VALVE CONT CABLE RIGGING FUEL SELECT VALVE CONT CABLE INSTALL	FUEL	28-20-00
FUEL SELECTOR VALVE INSTALLATION	FUEL	28-20-00
FUEL SELECTOR VALVE REMOVAL	FUEL	28-20-00 28-20-00
FUEL SYSTEM-DRAINING	SERVICING	12-10-00
FUEL TRANSMITTER INSTALLATION	FUEL	28-40-00
FUEL TRANSMITTER INSTALLATION FUEL TRANSMITTER REMOVAL FUSELAGE ACCESS OPENINGS	FUEL	28-40-00
•	SERVICING ENGINE FUEL AND CONTROL FUEL FUEL FUEL FUEL FUEL FUEL FUEL FUE	53-30-00
GENERATOR GENERATOR BRUSH REPLACEMENT GENERATOR CURRENT ADJ-MAXIMUM LOAD	ELECTRICAL POWER	24-00-00
GENERATOR CURRENT ADJ-MAXIMUM LOAD	ELECTRICAL POWER	24-30-00
GENERATOR INSTALLATION	ELECTRICAL POWER ELECTRICAL POWER	24-30-00
GENERATOR PARALLELING	ELECTRICAL POWER	24-30-00 24-30-00
GENERATOR PARALLELING RHEDSTATS-ADJUST	ELECTRICAL POWER	24-30-00
GENERATOR PARALLELING-FINAL CHECKS GENERATOR REMOVAL	ELECTRICAL POWER	24-30-00
GENERATOR SYSTEM STABILIZATION	ELECTRICAL POWER ELECTRICAL POWER	24-30-00
GENERATOR VOLTAGE ADJUST-MINIMUM LOAD	ELECTRICAL POWER	24-30-00 24-30-00
GENERATOR VOLTAGE REGULATOR ADJUST	ELECTRICAL POWER	24-30-00
GUST LOCK GYRO INSTRUMENT PRESSURE REGULATOR	FLIGHT CONTROLS PNEUMATIC	27-70-00 36-00-00
н	* (CANTENIALATOR)	50 50 00
HEATER CONTROL SYSTEM	ATR COMPTTO	126 Mark 128
HEATER FUEL PUMP	AIR CONDITIONING AIR CONDITIONING	21-40-00
HEATER IGNITION	AIR CONDITIONING	21-40-00 21-40-00
HEATER INSTALLATION	AIR CONDITIONING	21-40-00
HEATER OPERATION	AIR CONDITIONING	21-40-00

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Н	mane 3	OB CHAPTER
TO TAK	AIR CONDITIONING	21-40-00
HEATER SYSTEM	AIR CONDITIONING	21-40-00
HEATER VIBRATOR INSTALLATION	AIR CONDITIONING	21-40-00
HEATER VIBRATOR REMOVAL	AIR CONDITIONING	21-40-00
HEATING	AIR CONDITIONING	21-40-00
HYDROLOK LOCKS	EQUIPMENT AND FURNISHINGS	25-00-00
i	也	
IGNITION HARNESS	IGNITION	74-20-00
INDUCTION AIR FILTER	SERVICING	12-20-00
INDUCTION SYSTEM AIR INTAKES INSPECTION GUIDE	ICE AND RAIN PROTECTION	30-20-00
INSPECTION GOIDE	TIME LIMITS/MAINTENANCE CK	
INSPECTION-DUAL BUS FEEDER DIDDES	TIME LIMITS/MAINTENANCE CK ELECTRICAL POWER	24-50-00
INSPECTION-EMERGENCY LOCATOR	EQUIPMENT AND FURNISHING	25-60-00
INSPECTION-GENERAL	TIME LIMITS/MAINTENANCE CK	
INSPECTION-LDG GEAR DYNAMIC BRAKE RELAY	LANDING GEAR	32-30-00
INSPECTION-LDG GEAR RETRACT MECH 100-HR	LANDING GEAR	32-30-00
INSPECTION—MAIN GEAR AND BRAKE INSPECTION—MAIN GEAR RETRACTION	TIME LIMITS/MAINTENANCE CK	
INSPECTION-MAIN GEAR 100-HR	TIME LIMITS/MAINTENANCE CK LANDING GEAR	
INSPECTION-MAIN WHEEL	LANDING GEAR	32-10-00 32-40-00
INSPECTION-MAIN WHEEL TIRE & BRAKE	LANDING GEAR	32-40-00
INSPECTION-NACELLE	TIME LIMITS/MAINTENANCE CK	
INSPECTION-NOSE GEAR RETRACTION	TIME LIMITS/MAINTENANCE CK	05-20-00
INSPECTION—NOSE GEAR 100—HOUR INSPECTION—NOSE SECTION	LANDING GEAR	32-20-00
INSPECTION-NOSE STEERING 100-HOUR	TIME LIMITS/MAINTENANCE CK LANDING GEAR	32-50-00
INSPECTION-NOSE WHEEL	LANDING GEAR	32-40-00
INSPECTION-OPERATIONAL	TIME LIMITS/MAINTENANCE CK	
INSPECTION-PITOT SYSTEM HOSE	NAVIGATION	34-10-00
INSPECTION-POWER PLANT	TIME LIMITS/MAINTENANCE CK	
INSPECTION-PRESSURE DIST DUCTS-100-HOUR INSPECTION-PROP CONTROLLING-100-HOUR	AIR CONDITIONING	21-20-00
INSPECTION-PROPELLER DEICER 100-HOUR	PROPELLERS TIME LIMITS/MAINTENANCE CK	61-00-00
INSPECTION-PROPELLER DEICER 50-HOUR	TIME LIMITS/MAINTENANCE CK	
INSPECTION-PROPELLER 100-HOUR	PROPELLERS	61-00-00
INSPECTION-REAR FUSELAGE & EMPENNAGE	TIME LIMITS/MAINTENANCE CK	05-20-00
INSPECTION—WING FRONT SPAR CAP INSPECTION—WING 100—HOUR	WINGS	57-40-00
INSPECTION-WINGS	WINGS TIME LIMITS/MAINTENANCE CK	57-00-00
INSTRUMENT ACCESS	NAVIGATION	34-00-00
INSTRUMENT OPERATION	NAVIGATION	34-00-00
INTERCOOLER CONTROL RIGGING	AIR CONDITIONING	21-10-00
INTERCOOLER INSTALLATION INTERCOOLER REMOVAL	AIR CONDITIONING	21-10-00
INTERCOOLER REMOVAL	AIR CONDITIONING	21-10-00
J		
JACKING-AIRCRAFT	LIFTING AND SHORING	07-00-00
L		
LAMP BULB REPLACEMENT	LIGHTS	33-40-00
LANDING GEAR DYNAMIC BRAKE RELAY REMOVAL	LANDING GEAR	32-30-00
LANDING GEAR LIMIT SWITCHES ADJUST	LANDING GEAR	32-60-00
LANDING GEAR MANUAL EXTENSION SYSTEM	LANDING GEAR	32-00-00
LANDING GEAR MOTOR & ACTUATOR INSTALL	LANDING GEAR	32-30-00
LANDING GEAR MOTOR & ACTUATOR REMOVAL LANDING GEAR POSITION LIGHTS ADJUST	LANDING GEAR	32-30-00
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LANDING GEAR RIGGING	LANDING GEAR	32-30-00
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LANDING GEAR SAFETY SYSTEM	LANDING GEAR	32-00-00
LANDING GEAR SAFETY SYSTEM	LANDING GEAR	32-60-00
LANDING GEAR SAFETY SYSTEM CHECK	LANDING GEAR	32-60-00

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EARROR FRANKLING NOW WATER WATER WATER		
L		
LANDING GEAR SYSTEM	LANDING GEAR	32-00-00
LDG GEAR SAFETY SYS MICROSWITCH ADJUST	LANDING GEAR	32-60-00
LDG GEAR SAFETY SYS PRESS SWITCH ADJUST	LANDING GEAR	32-60-00
LOG GEAR/THROTTLE WARNING HORN SWITCH	POWER PLANT	71-00-00
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LOCKS, ROTON	EQUIPMENT AND FURNISHINGS	25-00-00
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MAGNETO BREAKER POINT ADJUSTMENT	IGNITION	74-10-00
MAGNETO DROP-OFF CHECK	IGNITION	74-10-00
MAGNETO TIMING	IGNITION	74-10-00
MAIN GEAR DOWNLOCK/UPLOCK SWITCH ADJUST	LANDING GEAR	32-30-00
MAIN GEAR INSTALLATION	LANDING GEAR	32-10-00
MAIN GEAR LUBRICATION	LANDING GEAR	32-10-00
MAIN GEAR REMOVAL	LANDING GEAR	32-10-00
MAIN GEAR SHOCK ABSORBERS SERVICING	LANDING GEAR	32-10-00
MAIN WHEEL AND TIRE	LANDING GEAR	32-40-00
MAIN WHEEL ASSEMBLIES	LANDING GEAR	32-40-00
MODEL DESIGNATION PLACARD	PLACARDS AND MARKINGS	11-00-00
MOORING-AIRCRAFT	PARKING AND MOORING	10-00-00
23.20002		
N		
NOSE GEAR DOWNLOCK/UPLOCK SWITCH ADJ	LANDING GEAR	32-30-00
NOSE GEAR INSTALLATION	LANDING GEAR	32-20-00
NOSE GEAR LUBRICATION	LANDING GEAR	32-20-00
NOSE GEAR REMOVAL	LANDING GEAR	32-20-00
NOSE GEAR SHOCK ABSORBER SERVICING	LANDING GEAR	32-20-00
NOSE STEERING ADJUSTMENT	LANDING GEAR	32-50-00
NOSE WHEEL AND TIRE	LANDING GEAR	32-40-00
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0		
O .		
OIL FILTER CHANGING	SERVICING	12-10-00
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OXYGEN CYLINDER RETESTING	OXYGEN	35-00-00
OXYGEN SYSTEM	SERVICING	12-10-00
OXYGEN SYSTEM	OXYGEN	35-00-00
DXYGEN SYSTEM PURGING	OXYGEN	35-00-00
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PAINT REPAIR PROCEDURES-URETHANE	STANDARD PRACTICES-AIRFRAN	
PAINT-ENAMEL EXTERIOR COLORS	STANDARD PRACTICES-AIRFRAN	
PAINT-ENAMEL INTERIOR COLORS	STANDARD PRACTICES-AIRFRAN	
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PAINT-ENAMEL TOUCH-UP REPAIR	STANDARD PRACTICES-AIRFRAN	

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P		
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PUBLICATIONS-SUPPLEMENTARY	INTRODUCTION	IN-TR-OD
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STARTER INSTALLATION	STARTING	80-10-00
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STROBE LGT-PWR SUP UNIT REM-HOSKINS STROBE LGT-TIMER MODULE CHK-HOSKINS	LIGHTS	33-40-00
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STROBE LIGHT-SYS CHECK OUT-HOSKINS	LIGHTS	33-40-00 33-40-00
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"END"