



*Ontic Engineering and Manufacturing, Inc*

# **SA26 - SA226 - SA227 - SA227 COMMUTER CATEGORY TECHNICAL PUBLICATIONS INDEX**

## **OCTOBER 24, 2025**

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SA-26AT



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SA226-T



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SA226-TA



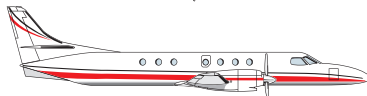
**MERLIN IIIB**  
SA226-T(B)



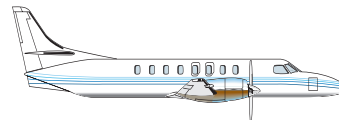
**MERLIN IIIC**  
SA227-TT



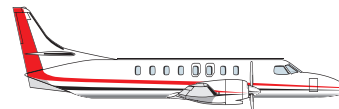
**FAIRCHILD 300**  
SA227-TT (300)



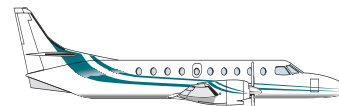
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**MERLIN IVC**  
SA227-AT



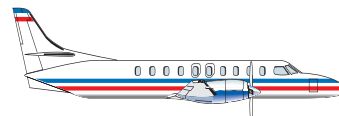
**MERLIN IVA**  
SA226-AT



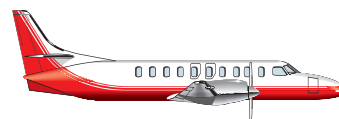
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**METRO II, IIA**  
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**METRO III**  
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### LETTER OF TRANSMITTAL

This document serves to provide operators of SA26, SA226, SA227, and SA227 COMMUTER CATEGORY airplanes with a listing of all available *Ontic Engineering and Manufacturing* publications and their current revision level, including active Temporary Revisions. All content listed in this index is available at the Ontic publication website. Using information on the last page of this letter, contact Ontic Sales Support Services to purchase a subscription for access to the publications essential to your operation.

Part Numbers (PNs) are listed after the manual title for use in ordering publications you need to access on the website. Airplane Flight Manuals are the only publication we offer in hard copy (paper). When ordering Airplane Flight Manuals, please provide the complete description listed in bold type, including the 3-digit character in parenthesis, if applicable. Example: (7AC) for SA227-AC 14,500 lbs. aircraft.

This Index is updated whenever a new or revised publication is added to the publication website. If you need to confirm the latest revision level of any Ontic publication, log onto the website and refer to the applicable section of this index. Also, whenever you log onto the website, you may want to view the list below first to check for publications that have changed since your last visit. A publication's revision date is not necessarily the date the publication or revision first appeared on the website due to the approval process.

**Key:** R# = Revision No. IR = Initial Revision TR = Temporary Revision

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| SA227 COMMUTER CATEGORY IPC CHANGED CLAMP SIZE PN.                                                              | R61        | 10/24/2025      |
| SA227 COMMUTER CATEGORY IPC ADDED CROSSFLOW PN's.                                                               | R61        | 10/24/2025      |
| SA227 COMMUTER CATEGORY IPC REPLACED INCORRECT FIGURE.                                                          | R61        | 10/24/2025      |
| SA227 COMMUTER CATEGORY IPC UPDATED REAR SPAR SPICE PN's.                                                       | R61        | 10/24/2025      |
| SA227 COMMUTER CATEGORY IPC UPDATED ALPHA AND NUMERIC INDEXES TO INCLUDE MISSING PART NUMBERS.                  | R61        | 10/24/2025      |
| SA226 AMM REV 130 WITH CHANGES TO THE TITLE PAGE, LIST OF EFFECTIVE PAGES, AND REVISIONS PAGE.                  | R130       | 10/10/2025      |
| SA226 AMM CHANGE RUDDER BELLCRANK ATTACHMENT INSTRUCTIONS.                                                      | R130       | 10/10/2025      |
| SA227 COMMUTER CATEGORY AMM REV 65 WITH CHANGES TO THE TITLE PAGE, LIST OF EFFECTIVE PAGES, AND REVISIONS PAGE. | R65        | 10/10/2025      |
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| SA227 COMMUTER CATEGORY AMM ADD DETAILED INSTRUCTIONS FOR PASSENGER DOOR INSTALLATION.                          | R65        | 10/10/2025      |
| SA227 COMMUTER CATEGORY AMM CORRECT ENGINE POWER LEVER CABLE RIGGING STEPS.                                     | R65        | 10/10/2025      |
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| SA227 COMMUTER CATEGORY AMM UPDATE INSTRUCTIONS FOR WRAPPING CONDITIONED AIR AND COLD AIR DUCTS WITH INSULATION.                          | R64        | 08/01/2025      |
| SA227 COMMUTER CATEGORY AMM ADD NEW SECTION: HYDRAULIC SIGHT GLASS ASSEMBLY.                                                              | R64        | 08/01/2025      |
| SA227 COMMUTER CATEGORY AMM UPDATE EMERGENCY EXIT ROUTES ILLUSTRATIONS.                                                                   | R64        | 08/01/2025      |
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[PN: 27-10054-028A; INCLUDES ALL SA26 DASH ONE AFMs]

INITIAL ISSUE 06 12 68

LATEST REVISION 05 14 15

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**DATED 12 07 07**

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**DATED 06 12 68**

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**DATED 02 24 00**

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### MERLIN SA26-AT DASH TWO FLIGHT MANUAL

[PN: 27-10054-028B; INCLUDES ALL SA26 DASH TWO AFMs]

**INITIAL ISSUE 06 12 68**

**LATEST REVISION 05 14 15**

### MERLIN SA26-AT FLIGHT MANUAL DASH TWO SECTION I

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| ORIG            | LOADING .....                                  | 06 12 68    |
| ORIG            | SAMPLE CALCULATION .....                       | 06 12 68    |
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| 02              | ELECTRICAL EQUIPMENT .....                     | 03 06 69    |
| 02              | MISCELLANEOUS .....                            | 03 06 69    |
| 02              | INSTRUMENTS AND INDICATORS .....               | 03 06 69    |
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| ORIG            | TWIN ENGINE CRUISE FUEL FLOW (Fig. VI-C) .....           | 06 12 68    |
| ORIG            | CLIMB DATA -- 10,000 LBS. GROSS WEIGHT (Fig. VI-D) ..... | 06 12 68    |
| ORIG            | RANGE (Fig. VI-E) .....                                  | 06 12 68    |
| ORIG            | 100% NORMAL CRUISE SPEED CHART (Fig. VI-F) .....         | 06 12 68    |
| ORIG            | 96% NORMAL CRUISE SPEED CHART (Fig. VI-G) .....          | 06 12 68    |

### MERLIN SA26-AT FLIGHT MANUAL DASH TWO CONTINUOUS IGNITION SYSTEM DATED 08 12 87

| <u>REV. NO.</u> | <u>DESCRIPTION</u>               | <u>DATE</u> |
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### MERLIN SA26-AT FLIGHT MANUAL DASH TWO AUTO/CONT IGNITION SYSTEM DATED 02 24 00

| <u>REV. NO.</u> | <u>DESCRIPTION</u>              | <u>DATE</u> |
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| ORIG            | AUTO/CONT IGNITION SYSTEM ..... | 02 24 00    |

### MERLIN SA26 SERIES MAINTENANCE MANUAL [PN: 27-10054-027]

**INITIAL ISSUE 07 15 66**  
**LATEST REVISION 01 06 22**

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| 7               | AILERON CONTROL SYSTEM ..... | 01 06 22    |



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INITIAL ISSUE 07 15 66  
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INITIAL ISSUE 07 15 66

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| 002    | ACCESS PANEL TO SPEED SWITCHES .....                                      | 12 24 69 |
| 003    | EMERGENCY ENTRANCE TO CABIN .....                                         | 12 24 69 |
| 004    | ADJUSTMENT OF NOSE GEAR STEERING SWITCHES .....                           | 03 25 70 |
| 005    | VENDOR ITEM SERVICE INFORMATION .....                                     | 03 25 70 |
| 006    | MAIN ENTRANCE DOOR SNUBBERS .....                                         | 08 27 70 |
| 007    | CABIN DOOR (WITH SUPPLEMENT NO. 1) .....                                  | 05 20 70 |
| 008    | PROCEDURES FOR FUEL QUANTITY CALIBRATION .....                            | 05 20 70 |
| 009    | NOT ISSUED .....                                                          | 00 00 00 |
| 010    | NOSE STEERING OPERATION .....                                             | 05 27 70 |
| 011    | FLAP SYSTEM SERVICE INFORMATION .....                                     | 05 27 70 |
| 012    | FREON AIR CONDITIONING SYSTEM (WITH ATTACHMENT NO. 1) .....               | 05 20 70 |
| 013    | PRESSURIZATION SYSTEM OPERATING TECHNIQUE AND TROUBLESHOOTING .....       | 05 20 70 |
| 013A   | PRESSURIZATION SYSTEM OPERATING TECHNIQUE AND TROUBLESHOOTING .....       | 03 10 71 |
| 014    | TPE 331 ENGINE OPERATING INFORMATION .....                                | 05 27 70 |
| 015    | LUBRICATION OF STARTER/GENERATOR DRIVE SPLINE WITH SUPPLEMENT NO. 1 ..... | 10 27 70 |
| 016    | PROPELLER LUBRICATION .....                                               | 05 27 70 |
| 017    | START CIRCUIT TROUBLESHOOTING .....                                       | 05 27 70 |
| 018    | VENDOR ITEM SERVICE INFORMATION ON THE WOODWARD GOVERNOR CO. ....         | 06 15 70 |
| 019    | AIRCRAFT SERVICE INFORMATION .....                                        | 06 15 70 |
| 020    | VENDOR SERVICE INFORMATION - PROPELLERS .....                             | 06 19 70 |
| 021    | PT6A ENGINE SERVICE INFORMATION .....                                     | 08 06 70 |
| 022    | VENDOR SERVICE INFORMATION - PT6 ENGINE .....                             | 08 06 70 |
| 023    | AIRCRAFT FUEL CONTROL AND SERVICE INFORMATION .....                       | 08 11 70 |
| 024    | INSTALLATION OF COFFEE DRAIN .....                                        | 08 27 70 |
| 025    | MERLIN II GENERATOR CONTROL CIRCUIT .....                                 | 00 00 00 |
| 026    | VENDOR SERVICE INFORMATION - PT6 ENGINE .....                             | 00 00 00 |
| 027    | ENGINE STARTING PROCEDURES .....                                          | 00 00 00 |
| 028    | NOSE GEAR STEERING PARTS AVAILABILITY .....                               | 00 00 00 |
| 029    | SERVICE INFORMATION - TPE331 ENGINE .....                                 | 00 00 00 |
| 030    | VENDOR SERVICE INFORMATION - HARTZELL PROPELLER .....                     | 00 00 00 |
| 031    | VENDOR SERVICE INFORMATION - TPE331 ENGINE .....                          | 03 12 71 |
| 032    | INSPECTION OF LANDING GEAR LIMIT SWITCH ACTUATOR ASSEMBLY .....           | 03 29 71 |
| 033    | RESCINDED .....                                                           | 00 00 00 |
| 034    | NOT ISSUED .....                                                          | 00 00 00 |
| 035    | REMOVAL OF LANDING GEAR TORQUE TUBE GEAR BOX .....                        | 05 22 72 |
| 036    | OPTIONAL REPLACEMENT OF LANDING GEAR POSITION SWITCHES .....              | 07 15 72 |
| 037    | INSPECTION OF ELEVATOR COUNTERWEIGHTS .....                               | 07 27 72 |
| 038    | NOSE STEERING COMPONENT INSTALLATION .....                                | 08 16 72 |
| 039    | AIR CONDITIONING SYSTEM MAINTENANCE .....                                 | 01 18 73 |
| 040    | MISMATCHED BATTERY INSTALLATION .....                                     | 05 11 73 |
| 041    | WOODWARD SERVICE BULLETIN 33550 .....                                     | 05 21 73 |
| 042    | B.F. GOODRICH SERVICE BULLETIN NO. E 71 40B .....                         | 06 25 73 |
| 043    | CLEANING AND LUBRICATION OF LANDING GEAR .....                            | 08 27 73 |
|        | EMERGENCY ACTUATING SYSTEM                                                |          |
| 044    | HARTZELL PROPELLER BULLETIN NO. 105 .....                                 | 05 05 74 |
| 045    | COMPLIANCE WITH EPA FUEL VENTING REQUIREMENTS .....                       | 11 18 74 |
| 046    | HARTZELL PROPELLER SERVICE LETTER NO. 90 AND HARTZELL .....               | 02 12 75 |
|        | PROPELLER BULLETIN NO. 109 SUP 1 SUPPLEMENT                               |          |
|        | HARTZELL SERVICE LETTER NO. 90 08 21 75                                   |          |
| 047    | GROUND RUNNING OF ENGINES WITH E.P.A. FUEL PURGE KITS INSTALLED .....     | 02 26 75 |
| 048    | MANUAL GROUND OR IN-FLIGHT SHUT-DOWN OF ENGINES .....                     | 07 28 75 |
|        | WITH E.P.A. FUEL PURGE KITS INSTALLED                                     |          |
| 049    | CONVERSION OF PN 38D84 MASS FLOW CONTROL VALVES TO PN F38D84 .....        | 09 09 75 |

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| NUMBER    | DESCRIPTION                                                                                      | DATE     |
|-----------|--------------------------------------------------------------------------------------------------|----------|
| 050       | OPTIONAL MODIFICATION TO LOWER CONNECTING<br>ROD-LANDING GEAR EMERGENCY EXTENSION SYSTEM .....   | 10 07 75 |
| 051       | BENDIX SERVICE BULLETINS NO. 87 AND 91 .....                                                     | 11 12 75 |
| 052       | INSPECTION OF COCKPIT FLOORING .....                                                             | 04 22 76 |
| 053       | INSPECTION OF ELEVATOR HINGE BEARINGS.....                                                       | 06 01 76 |
| 054       | PROPELLER DEICE BRUSH BLOCK REPLACEMENT .....                                                    | 10 15 78 |
| 055       | INSPECTION OF LANDING GEAR ACTUATOR CLEVIS.....                                                  | 02 02 81 |
| 056       | NEW HEAVY DUTY TACHOMETER GENERATOR.....                                                         | 02 10 81 |
| 057       | BACKGROUND INFORMATION ON LOWER FORWARD WING<br>ATTACH FITTINGS PN 50-110057 AND 50-110097 ..... | 05 28 82 |
| 058       | CRITICAL PROPELLER BLADE INSPECTION .....                                                        | 04 12 83 |
| 26-SN-059 | RUDDER TORQUE TUBE WEAR LIMITS.....                                                              | 09 06 83 |
| 26-SN-060 | NOSE STEERING SWITCH REPLACEMENT .....                                                           | 10 06 87 |
| 26-SN-061 | RUDDER TRIM TAB ROD ASSEMBLY .....                                                               | 11 08 90 |
| 26-SN-062 | POSSIBLE INFLATION DEVICE FAILURE ON SAFRAN LIFERAFTS .....                                      | 10 27 23 |



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### SA226 SERIES

#### SA226 TC, AT/227AC, AT CONFIGURATION DEVIATION LIST

**DATED 04 04 89**

**[INCLUDED WITH APPLICABLE PAPER AFM / INCLUDED ON ELECTRONIC 27-10054-218]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

#### MERLIN III/IIIA SA226-T FLIGHT MANUAL

**REISSUE A DATED 06 28 76**

**[PNs: PAPER 27-10054-023 / ELECTRONIC 27-10054-218; INCLUDES ALL 226 AFMs]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

|      |                                                                                 |          |
|------|---------------------------------------------------------------------------------|----------|
| A-01 | ADD APP FUEL/OILS LISTS, INC. SUPL 12, CLARIF. Vx .....                         | 08 10 77 |
| A-02 | CHG ELECTRIC STEERING TO HYDRAULIC .....                                        | 10 25 77 |
| A-03 | CHG ALT ENG NUM, ADD REF TO OIL SPEC, NEW RPM LIM.....                          | 12 14 78 |
| A-04 | CHG TO ADD WARNING TO SINGLE ENG BEST ANGLE/CLIMB .....                         | 12 19 78 |
| A-05 | PART 135 OPER W/FAA APP EQUIP LIST (MMEL) .....                                 | 06 03 80 |
| A-06 | POWER LEVER LOCK OUT CHECK.....                                                 | 06 27 80 |
| A-07 | INSTRUMENT MARKINGS EMERGENCY PROCEDURES .....                                  | 12 08 80 |
| A-08 | TEMPERATURE LIMITS.....                                                         | 03 05 81 |
| A-09 | TAXI, STOPPING ENGINES.....                                                     | 06 08 81 |
| A-10 | NOSE WHEEL STEERING - RESTRICTED USE .....                                      | 07 14 81 |
| A-11 | AUTO IGNITION SYSTEM (IF INSTALLED) .....                                       | 10 19 81 |
| A-12 | FLIGHT IN ICING CONDITIONS .....                                                | 12 18 81 |
| A-13 | NOSE WHEEL STEERING .....                                                       | 01 14 82 |
| A-14 | GEAR UP LANDINGS.....                                                           | 01 28 82 |
| A-15 | ADDED NOTES TO LANDING GEAR EMERGENCY EXTENSION .....                           | 09 13 84 |
| A-16 | ADDS BLEED AIR & NOTE TO ENG FAILURE PROCEDURE .....                            | 04 15 85 |
| A-17 | ICE PROTECTION EQUIPMENT .....                                                  | 10 30 85 |
| A-18 | CHANGE COLD WEATHER OPERATIONS INFO .....                                       | 10 23 91 |
| A-19 | CHANGED BATTERY OVERHEAT WARNING SYSTEM AND ADDED<br>CURRENT LIMITER CHECK..... | 03 29 94 |
| A-20 | REVISED SECTIONS II AND III.....                                                | 09 14 95 |
| A-21 | REVISED SECTIONS i, I, II, AND III.....                                         | 10 16 97 |
| A-22 | REVISED SECTIONS i AND III.....                                                 | 05 11 99 |
| A-23 | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                        | 04 28 00 |
| A-24 | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....    | 06 02 00 |
| A-25 | ADDED TWO DOT CAUTION TO AFTER LANDING .....                                    | 11 29 05 |
| A-26 | ADDED FUEL BALANCING TO SECTIONS 1 AND 2 .....                                  | 12 07 07 |
| A-27 | REVISED SECTION III .....                                                       | 05 28 08 |
| A-28 | REVISED SECTIONS i AND I (ENGINE STARTER DUTY CYCLES).....                      | 01 31 13 |
| A-29 | REVISED SECTIONS i AND III.....                                                 | 11 14 14 |
| A-30 | REVISED SECTION III TO ADD L/R LOW OIL PRESSURE WARNING LIGHT PROCEDURE .....   | 07 27 20 |

#### MERLIN III/IIIA SA226-T FLIGHT MANUAL SECTION V

**DATED 06 28 76**

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

|    |                                                      |          |
|----|------------------------------------------------------|----------|
| 01 | ADD MERLIN III CONFIGURATION "E" INFORMATION .....   | 05 01 77 |
| 02 | CHANGE TO STANDARD CONFIGURATION, CLUB SEATING ..... | 08 10 77 |
| 03 | EQUIPMENT LIST ADDITIONS .....                       | 12 19 77 |
| 04 | ADDITION OF LIST OF REVISIONS PAGES.....             | 11 15 83 |
| 05 | CORRECTED NOSE AND WING JACK PADS INCHES/ARM.....    | 11 29 05 |



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### **MERLIN III/IIIA SA226-T FLIGHT MANUAL SECTION VI**

**DATED 06 28 76**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                   | <u>DATE</u> |
|-----------------|------------------------------------------------------|-------------|
| 01              | CHANGE TO STALL SPEED AND MAX CRUISE POWER.....      | 08 10 77    |
| 02              | APP ENG OILS, OPER WITH WATER OR ICE ON RUNWAY.....  | 12 14 78    |
| 03              | EXTERNAL POWER SWITCH .....                          | 12 21 79    |
| 04              | ENG FLAMEOUT DUE TO ICE SHEDDING FROM SPINNERS ..... | 02 25 81    |
| 05              | ADDITION OF LIST OF REVISIONS PAGES.....             | 11 15 83    |
| 06              | NOISE CONTROL, LIST OF APPROVED ENGINE OILS .....    | 11 30 84    |
| 07              | REVISED DATA .....                                   | 09 14 95    |

### **MERLIN III/IIIA, SA226-T FLIGHT MANUAL SUPPLEMENTS**

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                          | <u>DATE</u>  |
|----------------|---------------------------------------------------------------------------------------------|--------------|
| SUP 01         | DUAL SPERRY STAR FLIGHT DETECTOR (WAS SUP A) .....                                          | 06 28 76     |
| SUP 02         | LOW PRESSURE LANDING GEAR MODIFICATION (WAS SUP 1) .....                                    | 06 28 76     |
| SUP 03         | COLLINS WXR-80 WEATHER RADAR (WAS SUP 2) .....                                              | 06 28 76     |
| SUP 04         | BONZER TRN-70 RADAR ALTIMETER (WAS SUP 3) .....                                             | 06 28 76     |
| SUP 05         | SPERRY STARS IVB FLIGHT DIRECTOR SYS (WAS SUP 4) .....                                      | 06 28 76     |
| SUP 06         | RCA AVQ-55 WEATHER RADAR (WAS SUP 5) .....                                                  | 06 28 76     |
| SUP 07         | BONZER TRN-71 RADAR ALTIMETER (WAS SUP 6) .....                                             | 06 28 76     |
| SUP 08         | OIL PRESSURE AND PITOT HEAT LIMITS (WAS SUP 10) .....                                       | 06 28 76     |
| SUP 09         | MASTER WARNING LIGHTS (WAS SUP 16) .....                                                    | 06 28 76     |
| SUP 10         | LOW PRESSURE TIRES (WAS SUP 21) .....                                                       | 06 28 76     |
| SUP 11         | DUAL CAMERA PROVISIONS .....                                                                | (R) 03 22 78 |
| SUP 12         | DELETED (INCORPORATED INTO BASIC MANUAL) .....                                              | 08 10 77     |
| SUP 13         | INDEPENDENT PITOT HEAT CONTROL .....                                                        | 06 28 77     |
| SUP 14         | ALCOHOL-WATER INJECTION SYSTEM .....                                                        | 07 20 77     |
| SUP 15         | SINGLE CAMERA PROVISIONS .....                                                              | 04 20 78     |
| SUP 16         | SPEED LEVER NOSE WHEEL STEERING SWITCH.....                                                 | 06 08 79     |
| SUP 17         | OPERATION WITH SPADE DOORS REMOVED.....                                                     | 01 11 82     |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 226-23-001) .....                               | 01 09 92     |
| UN             | AUTO/CONT IGNITION SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K82087) ..... | 02 24 00     |
| REV 01         | REVISED PAGES 2, 3, AND 7 .....                                                             | 09 06 01     |
| REV 02         | REVISED PAGES 2 AND 5 .....                                                                 | 12 12 02     |
| UN             | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....              | 03 05 08     |

### **MERLIN IIIB SA226-T(B) FLIGHT MANUAL**

**REISSUE B DATED 11 02 79**

**[PNs: PAPER 27-10054-021 / ELECTRONIC 27-10054-218: INCLUDES ALL 226 AFMs]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                        | <u>DATE</u> |
|-----------------|-----------------------------------------------------------|-------------|
| B-01            | ADD REVERSE THRUST FOR IMPR GROUND MANEUVERABILITY.....   | 03 13 80    |
| B-02            | ZERO FUEL WEIGHT.....                                     | 04 09 80    |
| B-03            | CORR VFE SPEEDS, AIRESEARCH #, LOAD FACTORS, MMEL.....    | 06 03 80    |
| B-04            | POWER LEVER LOCKOUT CHECK.....                            | 07 17 80    |
| B-05            | ENGINE GROUND START W/HIGH ET, ENG MAN. GRND. PROC.....   | 10 24 80    |
| B-06            | AIRSPPEED LIMIT, INSTR MARKINGS, FIRE GROUND/FLIGHT ..... | 03 12 81    |
| B-07            | TEMPERATURE LIMITS.....                                   | 03 12 81    |
| B-08            | TAXI, STOPPING ENGINES.....                               | 06 08 81    |
| B-09            | NOSE WHEEL STEERING - RESTRICTED USE .....                | 07 14 81    |
| B-10            | AUTO/CONT IGNITION SYSTEM (IF INSTALLED) .....            | 10 19 81    |
| B-11            | FLIGHT IN ICING CONDITIONS .....                          | 12 18 81    |
| B-12            | NOSE WHEEL STEERING.....                                  | 01 14 82    |
| B-13            | GEAR UP LANDINGS.....                                     | 01 28 82    |
| B-14            | INCREASE MAX FWD BAG CMPT LOADING.....                    | 02 03 83    |
| B-15            | ADD ENGINE -511G & -512G.....                             | 06 21 83    |
| B-16            | ADDED NOTES TO LANDING GEAR EMERGENCY EXTENSION .....     | 09 13 84    |



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| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                              | <u>DATE</u> |
|-----------------|---------------------------------------------------------------------------------|-------------|
| B-17            | ADDS BLEED AIR & NOTE TO ENG FAILURE PROCEDURES .....                           | 04 15 85    |
| B-18            | ICE PROTECTION EQUIPMENT .....                                                  | 10 30 85    |
| B-19            | CHANGED BATTERY OVERHEAT WARNING SYSTEM AND ADDED<br>CURRENT LIMITER CHECK..... | 03 29 94    |
| B-20            | REVISED COVER, SECTIONS 3 AND 4.....                                            | 09 14 95    |
| B-21            | REVISED SECTIONS i, 2, 3A, AND 4 .....                                          | 10 16 97    |
| B-22            | REVISED SECTIONS i AND 3.....                                                   | 05 11 99    |
| B-23            | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 3 AND 4 .....                        | 04 28 00    |
| B-24            | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....    | 06 02 00    |
| B-25            | ADDED TWO DOT CAUTION TO AFTER LANDING.....                                     | 11 29 05    |
| B-26            | ADDED FUEL BALANCING TO SECTIONS 2 AND 3A.....                                  | 12 07 07    |
| B-27            | REVISED SECTION 3 .....                                                         | 05 28 08    |
| B-28            | REVISED SECTIONS i, 1, AND 2.....                                               | 09 03 13    |
| B-29            | REVISED SECTIONS i AND 3.....                                                   | 11 14 14    |
| B-30            | REVISED SECTION III TO ADD L/R LOW OIL PRESSURE WARNING LIGHT PROCEDURE .....   | 07 27 20    |

### MERLIN IIIB SA226-T(B) FLIGHT MANUAL SECTION 6

DATED 11 02 79

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                | <u>DATE</u> |
|-----------------|---------------------------------------------------|-------------|
| 01              | ADDED -502G ENGINE.....                           | 03 13 80    |
| 02              | CHANGE TO WEIGHT & MOMENT ENVELOPE.....           | 04 09 80    |
| 03              | CHANGE TO EQUIPMENT LIST .....                    | 10 27 80    |
| 04              | MAX CAPACITY OF NOSE BAGGAGE COMPARTMENT.....     | 02 03 83    |
| 05              | ADDITION OF LOG OF REVISIONS PAGES.....           | 11 15 83    |
| 06              | CORRECTED NOSE AND WING JACK PADS INCHES/ARM..... | 11 29 05    |

### MERLIN IIIB SA226-T(B) FLIGHT MANUAL SECTION 7

DATED 11 02 79

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                      | <u>DATE</u> |
|-----------------|---------------------------------------------------------|-------------|
| 01              | ADDED -502G ENGINE.....                                 | 03 13 80    |
| 02              | REVERSE TAXI OPERATIONS .....                           | 04 16 80    |
| 03              | CHANGE TO FUEL CROSSOVER, SYSTEM, & JET PUMP.....       | 06 03 80    |
| 04              | ENG GROUND START WITH HIGH RESIDUAL ET .....            | 10 24 80    |
| 05              | ENG FLAMEOUT DUE TO ICE SHEDDING FROM PROP SPINNER..... | 02 25 81    |
| 06              | ADDITION OF LOG OF REVISIONS PAGES.....                 | 11 15 83    |
| 07              | APPROVED ENGINE OILS, NOISE CONTROL, WET SNOW OPS.....  | 11 30 84    |
| 08              | GUST LOCK BELT.....                                     | 01 01 86    |
| 09              | REVISED DATA .....                                      | 09 14 95    |
| 10              | REVISED DATA .....                                      | 05 11 99    |
| 11              | ADDED ALTERNATE RUDDER GUST LOCK.....                   | 11 06 03    |

### MERLIN IIIB SA226-T(B) FLIGHT MANUAL SECTION 8

DATED 11 02 79

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

### MERLIN IIIB SA226-T(B) FLIGHT MANUAL SUPPLEMENTS

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                    | <u>DATE</u>  |
|----------------|-------------------------------------------------------|--------------|
| SUP 01         | ANTI-SKID BRAKES.....                                 | (R) 11 02 79 |
| SUP 02         | SPEED LEVER NOSE WHEEL STEERING SWITCH.....           | 04 26 79     |
| REV 01         | CHANGES IN TEST PROCEDURES .....                      | 10 23 80     |
| SUP 03         | CONTINUOUS ALCOHOL-WATER INJECTION (CAWI) SYSTEM..... | 08 08 79     |
| REV 01         | MINOR CHANGES TO PERFORMANCE CHARTS.....              | 11 02 79     |
| REV 02         | CHANGE POWER AND ET SETTINGS .....                    | 10 23 80     |
| REV 03         | REVISED AWI FLUID MIX AND ADD LIST OF REVISION.....   | 12 29 86     |
| SUP 04         | FUEL QUANTITY PLACARDS.....                           | 06 05 80     |

## TECHNICAL PUBLICATIONS INDEX

| REV. NO. | DESCRIPTION                                                                                 | DATE     |
|----------|---------------------------------------------------------------------------------------------|----------|
| SUP 05   | 14,000 POUND TAKEOFF GROSS WEIGHT RESTRICTION CAT .....                                     | 07 29 80 |
| SUP 06   | HARTZELL LT10576B PROPELLERS.....                                                           | 11 18 80 |
| SUP 07   | OPERATION WITH SPADE DOORS REMOVED.....                                                     | 01 11 82 |
| SUP 08   | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 226-23-001).....                                | 01 03 92 |
| SUP 09   | AUTO/CONT IGNITION SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K82087) ..... | 02 24 00 |
| REV 01   | REVISED PAGES 2 AND 7 .....                                                                 | 12 12 02 |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....              | 03 05 08 |

### **MERLIN IV/IVA SA226-AT FLIGHT MANUAL**

**REISSUE B DATED 05 06 77**

**[PNs: PAPER 27-10054-025 / ELECTRONIC 27-10054-218: INCLUDES ALL 226 AFMs]**

| REV. NO. | DESCRIPTION                                                                     | DATE     |
|----------|---------------------------------------------------------------------------------|----------|
| B-01     | PROVIDES FOR STANDARDIZED ITT GAUGE .....                                       | 08 10 77 |
| B-02     | CHANGE ELECTRIC STEERING TO HYDRAULIC .....                                     | 10 25 77 |
| B-03     | CHANGE FUEL QUANT LIMIT. & OVERSPEED GOVN LIMIT .....                           | 04 11 78 |
| B-04     | REVISED TO SHOW IMPROVED LANDING DISTANCES.....                                 | 11 14 78 |
| B-05     | REVISED TO SHOW ALT. ENGINE NUM./ADD REF TO OIL SPEC .....                      | 12 14 78 |
| B-06     | CHANGE CRSFLW VAL CLOSED TO/LANDING-ADD LIGHT .....                             | 02 09 79 |
| B-07     | PART 135 OPTS W/FAA APP EQUIP LIST (MMEL).....                                  | 06 03 80 |
| B-08     | POWER LEVER LOCK OUT CHECK.....                                                 | 07 17 80 |
| B-09     | INSTRUMENT MARKINGS & EMERGENCY PROCEDURES .....                                | 12 08 80 |
| B-10     | TEMPERATURE LIMITS.....                                                         | 03 05 81 |
| B-11     | TAXI, STOPPING ENGINES.....                                                     | 06 03 81 |
| B-12     | NOSE WHEEL STEERING - RESTRICTED USE .....                                      | 07 14 81 |
| B-13     | AUTO IGNITION SYSTEM (IF INSTALLED) .....                                       | 10 19 81 |
| B-14     | FLIGHT IN ICING CONDITIONS .....                                                | 12 18 81 |
| B-15     | NOSE WHEEL STEERING .....                                                       | 01 14 82 |
| B-16     | GEAR UP LANDINGS.....                                                           | 01 28 82 |
| B-17     | NOSE WHEEL STEERING, OXYGEN FLOW, & ENG FIRE SYS.....                           | 04 20 84 |
| B-18     | ADD NOTES TO LANDING GEAR EMERGENCY EXTENSION .....                             | 09 13 84 |
| B-19     | ADDS BLEED AIR & NOTE TO ENG FAILURE PROCEDURES .....                           | 04 15 85 |
| B-20     | ICE PROTECTION EQUIPMENT .....                                                  | 10 30 85 |
| B-21     | CHANGE COLD WEATHER OPERATIONS INFORMATION.....                                 | 10 23 91 |
| B-22     | CHANGED BATTERY OVERHEAT WARNING SYSTEM AND ADDED<br>CURRENT LIMITER CHECK..... | 03 29 94 |
| B-23     | REVISED SECTIONS 2 AND 3.....                                                   | 09 14 95 |
| B-24     | REVISED SECTIONS i, I, II, AND III.....                                         | 10 16 97 |
| B-25     | REVISED SECTIONS i AND III.....                                                 | 05 11 99 |
| B-26     | REVISED SECTIONS i AND II.....                                                  | 02 03 00 |
| B-27     | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                        | 04 28 00 |
| B-28     | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....    | 06 02 00 |
| B-29     | ADDED TWO DOT CAUTION TO AFTER LANDING .....                                    | 11 29 05 |
| B-30     | ADDED FUEL BALANCING TO SECTIONS 1 AND 2 .....                                  | 12 07 07 |
| B-31     | REVISED SECTION III .....                                                       | 05 28 08 |
| B-32     | REVISED SECTIONS i AND I (ENGINE STARTER DUTY CYCLES).....                      | 01 31 13 |
| B-33     | REVISED SECTIONS i AND III.....                                                 | 11 14 14 |
| B-34     | REVISED SECTION III TO ADD L/R LOW OIL PRESSURE WARNING LIGHT PROCEDURE .....   | 07 27 20 |

### **MERLIN IV/IVA SA226-AT FLIGHT MANUAL SECTION V**

**DATED 05 06 77**

| REV. NO. | DESCRIPTION                                             | DATE     |
|----------|---------------------------------------------------------|----------|
| 01       | CHANGE TO EQUIP LIST & WT LIMIT TO TIE DOWN RINGS ..... | 12 19 77 |
| 02       | ADDS FUEL INFO TO CHART AND FUEL MOVEMENT TABLE .....   | 04 11 78 |
| 03       | ALLOWABLE WT THAT MAY BE TIED TO EA FLOOR FITTING.....  | 04 02 82 |
| 04       | ADDITION OF LIST OF REVISIONS PAGES.....                | 11 15 83 |
| 05       | CORRECTED LIST OF EFFECTIVE PAGES.....                  | 08 23 01 |
| 06       | CORRECTED NOSE AND WING JACK PADS INCHES/ARM.....       | 11 29 05 |

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### MERLIN IV/IVA SA226-AT FLIGHT MANUAL SECTION VI

DATED 05 06 77

| REV. NO. | DESCRIPTION                                              | DATE     |
|----------|----------------------------------------------------------|----------|
| 01       | CHANGE TO CONDITIONS OF MINIMUM CONTROL SPEED .....      | 04 11 78 |
| 02       | APP ENG OILS, OPER WITH WATER OR ICE ON RUNWAY .....     | 12 14 78 |
| 03       | CHANGE % RPM GROUND STARTS HIGH ITT, HYDROPLANING .....  | 07 20 79 |
| 04       | ENG FLAMEOUT DUE TO ICE SHEDDING FROM PROP SPINNER ..... | 02 25 81 |
| 05       | ADDITION OF LIST OF REVISIONS PAGES .....                | 11 15 83 |
| 06       | NOISE CONTROL, LIST OF APPROVED ENGINE OILS .....        | 11 30 84 |
| 07       | REVISED DATA .....                                       | 09 14 95 |

### MERLIN IV/IVA SA226-AT FLIGHT MANUAL SUPPLEMENTS

| REV. NO. | DESCRIPTION                                                                                                                                                                            | DATE         |
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| SUP 01   | BENDIX MODEL M-4C FLIGHT CONTROL SYSTEM .....                                                                                                                                          | 05 06 77     |
| SUP 02   | SPERRY STARS IVB FLIGHT DIRECTOR SYS (WAS SUP 3) .....                                                                                                                                 | 05 06 77     |
| SUP 03   | KING RADIO CORPORATION KNC 610 AREA NAVIGATION .....                                                                                                                                   | 05 06 77     |
| SUP 04   | RCA AVQ-21 WEATHER RADAR (WAS SUP 5) .....                                                                                                                                             | 05 06 77     |
| SUP 05   | BONZER TRU-71 RADAR ALTIMETER (WAS SUP 6) .....                                                                                                                                        | 05 06 77     |
| SUP 06   | OIL PRESSURE AND PITOT HEAT LIMITS (WAS SUP 12) .....                                                                                                                                  | 05 06 77     |
| SUP 07   | MASTER WARNING LIGHTS (WAS SUP 17) .....                                                                                                                                               | 05 06 77     |
| SUP 08   | LOW PRESSURE MAIN GEAR TIRES (WAS SUP 21) .....                                                                                                                                        | 05 06 77     |
| SUP 09   | ALCOHOL-WATER INJECTION (AWI) SYSTEM (WAS SUP 22) .....                                                                                                                                | 05 06 77     |
| SUP 10   | EMERGENCY/CONTINUOUS AWI SYSTEM (WAS SUP 23) .....                                                                                                                                     | 05 06 77     |
| SUP 11   | STANDBY ROCKET ENGINE (WAS SUP 25) .....                                                                                                                                               | (R) 12 20 83 |
| SUP 12   | INDEPENDENT PITOT HEAT CONTROL .....                                                                                                                                                   | 06 28 77     |
| SUP 13   | SPEED LEVER NOSE WHEEL STEERING SWITCH .....                                                                                                                                           | 04 26 79     |
| SUP 14   | FLYOVER SOUND LEVEL COMPLIANCE .....                                                                                                                                                   | (R) 09 29 80 |
| SUP 15   | OPERATION WITH SPADE DOORS REMOVED .....                                                                                                                                               | 01 11 82     |
| SUP 16   | CONRAC SAS .....                                                                                                                                                                       | 12 08 82     |
| REV 01   | NUMBERED, RENAMED, REPRINTED AND REISSUED .....                                                                                                                                        | 12 07 88     |
| UN       | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 226-23-001) .....                                                                                                                          | 01 03 92     |
| UN       | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105) .....                                             | (R) 05 07 96 |
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002) ..... | 04 13 94     |
| UN       | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795) .....                                                                                  | 11 26 99     |
| REV 01   | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                                                            | 08 30 00     |
| UN       | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K14063) .....                                                                                            | 02 03 00     |
| UN       | AUTO/CONT IGNITION SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K82087) .....                                                                                            | 02 24 00     |
| REV 01   | REVISED PAGES 2, 3, AND 7 .....                                                                                                                                                        | 09 06 01     |
| REV 02   | REVISED PAGES 2 AND 5 .....                                                                                                                                                            | 12 12 02     |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                                                         | 03 05 08     |

### METRO II/IIA SA226-TC FLIGHT MANUAL

REISSUE A DATED 12 01 76

[PNs: PAPER 27-10054-027 / ELECTRONIC 27-10054-218; INCLUDES ALL 226 AFMs]

| REV. NO. | DESCRIPTION                                          | DATE     |
|----------|------------------------------------------------------|----------|
| A-01     | GRADE 100LL AVIATION GASOLINE .....                  | 04 12 77 |
| A-02     | INCORPORATE SUP 14 AND 15, CLARIFY Vx .....          | 08 10 77 |
| A-03     | CHANGE ELECTRICAL NOSE STEERING TO HYDRAULIC .....   | 10 25 77 |
| A-04     | IMPROVED LANDING DISTANCE .....                      | 11 14 77 |
| A-05     | ALT ENGINE, OIL SPECS, RPM LIMITS, WATER SPECS ..... | 12 14 78 |



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| A-06     | FUEL CROSSFLOW VALVE CLOSED ON TAKEOFF, LIGHT .....                             | 02 08 79 |
| A-07     | CORRECT INSTR MARKINGS WITH FAA APP MMEL, FUEL SYS .....                        | 06 03 80 |
| A-08     | POWER LEVER LOCK OUT CHECK.....                                                 | 07 17 80 |
| A-09     | INSTRUMENT MARKINGS & EMERGENCY PROCEDURES .....                                | 12 08 80 |
| A-10     | TEMPERATURE LIMITS.....                                                         | 12 09 80 |
| A-11     | FIRE EXTINGUISHERS.....                                                         | 12 09 80 |
| A-12     | TAXI, STOPPING ENGINES.....                                                     | 06 03 81 |
| A-13     | LANDING DISTANCE OVER 50 FOOT HEIGHT.....                                       | 07 14 81 |
| A-14     | NOSE WHEEL STEERING-RESTRICTED USE .....                                        | 07 14 81 |
| A-15     | AUTO IGNITION SYSTEM (IF INSTALLED) .....                                       | 10 19 81 |
| A-16     | EXPANDED NOTES & REV PERFORMANCE CHARTS.....                                    | 12 17 81 |
| A-17     | FLIGHT IN ICING CONDITIONS .....                                                | 12 18 81 |
| A-18     | NOSE WHEEL STEERING.....                                                        | 01 14 82 |
| A-19     | GEAR UP LANDINGS.....                                                           | 01 28 82 |
| A-20     | REVISED PERFORMANCE CHARTS.....                                                 | 01 28 82 |
| A-21     | SETTING POWER FOR TAKEOFF AND MAXIMUM CONTINUOUS .....                          | 05 05 82 |
| A-22     | ADDED NOTE: REQ. ENGINE TORQUE BY 80 KNOTS.....                                 | 06 09 82 |
| A-23     | ENGINE FAILURE NOTE ADDED TO PAGE III-2 .....                                   | 07 14 82 |
| A-24     | NOTES CHANGES ON PAGE II-8.....                                                 | 11 15 82 |
| A-25     | NOSE WHEEL STEERING, OXYGEN FLOW, & ENG FIRE SYS.....                           | 04 20 84 |
| A-26     | ADDED NOTES TO LANDING GEAR EMERGENCY EXTENSION .....                           | 09 13 84 |
| A-27     | ADDS BLEED AIR & NOTE TO ENG FAILURE PROCEDURES .....                           | 04 15 85 |
| A-28     | ICE PROTECTION EQUIPMENT .....                                                  | 10 30 85 |
| A-29     | CHANGE COLD WEATHER OPERATION INFORMATION .....                                 | 10 23 91 |
| A-30     | CHANGED BATTERY OVERHEAT WARNING SYSTEM AND ADDED<br>CURRENT LIMITER CHECK..... | 03 29 94 |
| A-31     | REVISED SECTIONS II AND III.....                                                | 09 14 95 |
| A-32     | REVISED SECTIONS I AND II.....                                                  | 11 21 95 |
| A-33     | REVISED SECTIONS i, I, II AND III.....                                          | 10 16 97 |
| A-34     | REVISED SECTIONS i, 1, AND III.....                                             | 06 11 99 |
| A-35     | REVISED SECTIONS i AND III.....                                                 | 08 17 99 |
| A-36     | REVISED SECTIONS i AND II.....                                                  | 02 03 00 |
| A-37     | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                        | 04 28 00 |
| A-38     | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFORMATION .....                          | 08 08 00 |
| A-39     | REVISED SECTIONS i, I, AND II.....                                              | 07 06 01 |
| A-40     | ADDED TWO DOT CAUTION TO AFTER LANDING .....                                    | 11 29 05 |
| A-41     | ADDED FUEL BALANCING TO SECTIONS 1 AND 2 .....                                  | 12 07 07 |
| A-42     | REVISED SECTION III .....                                                       | 05 28 08 |
| A-43     | REVISED SECTIONS i AND III.....                                                 | 11 14 14 |
| A-44     | REVISED SECTION III TO ADD L/R LOW OIL PRESSURE WARNING LIGHT PROCEDURE .....   | 07 27 20 |

### METRO II/IIA SA226-TC FLIGHT MANUAL SECTION V

DATED 12 01 76

| REV. NO. | DESCRIPTION                                        | DATE     |
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| 02       | EQUIPMENT LIST CHANGE .....                        | 08 10 77 |
| 03       | CHANGE ELECTRICAL NOSE STEERING TO HYDRAULIC ..... | 12 19 77 |
| 04       | EQUIPMENT LIST CHANGE.....                         | 10 27 80 |
| 05       | EQUIPMENT LIST CHANGE.....                         | 04 14 81 |
| 06       | CHANGE TO LOADING INSTRUCTIONS.....                | 03 25 82 |
| 07       | LOADING HIGH DENSITY INDUSTRIAL EQUIPMENT.....     | 01 20 83 |
| 08       | ADD LIST OF REVISION PAGES.....                    | 11 15 83 |
| 09       | CORRECTED NOSE AND WING JACK PADS INCHES/ARM.....  | 11 29 05 |



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| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                 | <u>DATE</u> |
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| 01              | SPARE BULBS FOR COCKPIT LIGHTING .....             | 12 19 77    |
| 02              | ENGINE GROUND STARTS & HYDROPLANING .....          | 07 20 79    |
| 03              | PILOT OP TIPS & EXTERNAL POWER SWITCH.....         | 12 21 79    |
| 04              | ENG FLAMEOUT DUE TO ICE SHEDDING FROM SPINNER..... | 02 25 81    |
| 05              | LANDING DIST OVER 50' WITH ICE .....               | 01 28 82    |
| 06              | ADD POWER SETTING CHART .....                      | 05 05 82    |
| 07              | MAX POWER SETTING CHART .....                      | 07 15 82    |
| 08              | ADD LIST OF REVISION PAGES.....                    | 11 15 83    |
| 09              | APPROVED ENGINE OILS, NOISE CONTROL .....          | 11 30 84    |
| 10              | REVISED DATA .....                                 | 09 14 95    |
| 11              | REVISED DATA .....                                 | 07 06 01    |

### METRO II/IIA SA226-TC FLIGHT MANUAL SUPPLEMENTS

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                       | <u>DATE</u>  |
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| SUP 01         | BENDIX MODEL M-4C FLIGHT CONTROL SYSTEM .....            | 01 14 71     |
| SUP 02         | BONZER TRN-70 RADAR ALTIMETER .....                      | 01 14 71     |
| SUP 03         | RCA AVQ-55 WEATHER RADAR .....                           | 01 14 71     |
| SUP 04         | SPERRY STARS IVB FLIGHT DIRECTOR .....                   | 01 14 71     |
| SUP 05         | OIL PRESSURE AND PITOT HEAT LIMITS (WAS SUP 9) .....     | 01 09 74     |
| SUP 06         | ALCOHOL-WATER INJECTION SYSTEM LIMITS (WAS SUP 11) ..... | 01 11 74     |
| SUP 07         | ALCOHOL-WATER INJECT LIMITS (TC-208) (WAS SUP 12).....   | 03 29 74     |
| SUP 08         | D.C. VOLTMETER RETROFIT (WAS SUP 17) .....               | 05 27 75     |
| SUP 09         | LOW PRESSURE TIRES (WAS SUP 19).....                     | 05 06 75     |
| SUP 10         | HIGH ALTITUDE KIT (WAS SUP 26).....                      | 11 06 75     |
| REV 01         | TAKEOFF POWER (REV 1 TO SUP 10) .....                    | 05 05 82     |
| REV 02         | ENGINE FAILURE NOTE ADDED (REV 2 TO SUP 10).....         | 07 14 82     |
| REV 03         | ADD UPCO 1337-1 ROCKET MOTOR.....                        | 12 20 83     |
| SUP 11         | REDUCED FUEL CAPACITY (WAS SUP 22).....                  | 11 06 75     |
| SUP 12         | 31,000 FOOT OPERATING ALTITUDE (WAS SUP 25).....         | 06 06 76     |
| SUP 13         | CONTINUOUS AWI SYSTEM (WAS SUP 26).....                  | 08 05 76     |
| REV 01         | ENGINE TORQUE (REV 1 TO SUP 13) .....                    | 12 17 81     |
| REV 02         | TAKEOFF POWER (REV 2 TO SUP 13) .....                    | 05 05 82     |
| SUP 14         | DELETED (INCORPORATED IN MAIN MANUAL).....               | 08 10 77     |
| SUP 15         | DELETED (INCORPORATED IN MAIN MANUAL).....               | 08 10 77     |
| SUP 16         | GROUND AIR CONDITIONING CONNECTOR.....                   | 05 31 77     |
| SUP 17a        | TILLER WHEEL NOSE GEAR STEERING .....                    | 09 07 82     |
| SUP 18         | EMERGENCY AWI SYSTEM (PUMP OPERATED) .....               | 07 05 77     |
| REV 01         | ENGINE FAILURE NOTE (REV 1 TO SUP 18) .....              | 07 14 82     |
| SUP 19         | INDEPENDENT PITOT HEAT CONTROL .....                     | 06 28 77     |
| SUP 20         | ANTI-SKID BRAKE SYSTEM .....                             | 11 14 78     |
| SUP 21         | SPEED LEVER NOSE WHEEL STEERING SWITCH.....              | 04 26 79     |
| SUP 22         | FLYOVER SOUND LEVEL COMPLIANCE..... (R)                  | 09 29 80     |
| SUP 23         | REDUCED POWER TAKEOFF .....                              | 08 08 79     |
| SUP 24         | FUEL QUANTITY PLACARDS.....                              | 12 14 78     |
| SUP 25         | 179 CUBIC FOOT OXYGEN SUPPLY .....                       | (R) 08 18 86 |
| SUP 26         | 13,230 POUND TAKEOFF WEIGHT (TC-398 & SUBSEQUENT).....   | 12 29 80     |
| REV A          | MINIMUM CREW REQUIREMENTS (REV A TO SUP 26) .....        | 12 31 80     |
| REV B          | REVISED LANDING DISTANCES (REV B TO SUP 26).....         | 07 31 81     |
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| REV D          | MAXIMUM T/O WT CONT WET POWER (REV D TO SUP 26) .....    | 01 28 82     |
| REV E          | ADDED MAXIMUM ZERO FUEL WEIGHT TO LIMITATIONS.....       | 01 12 98     |
| SUP 27         | DETERIORATED POWER OPERATION.....                        | 07 29 81     |
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| REV 02         | LIMITATION NOTES (REV 2 TO SUP 27) .....                 | 02 10 82     |
| REV 03         | FIGURE REFERENCE ADDED (REV 3 TO SUP 27).....            | 05 05 82     |
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| REV. NO. | DESCRIPTION                                                                                                                                                                           | DATE     |
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| REV 05   | CLARIFY DEFINITION OF T/O POWER (REV 5 TO SUP 27).....                                                                                                                                | 08 17 83 |
| SUP 28   | OPERATION WITH SPADE DOORS REMOVED.....                                                                                                                                               | 01 11 82 |
| REV 01   | PERFORMANCE SPADE DOORS REMOVED (REV 1 TO SUP 28).....                                                                                                                                | 07 14 82 |
| REV 02   | CLARIFICATION OF APP/ AC MOD/SN (REV 2 TO SUP 28).....                                                                                                                                | 08 17 83 |
| REV 03   | OPERATION OF METRO IIA AT OR BELOW 12,500 POUNDS .....                                                                                                                                | 05 14 85 |
| REV 04   | PROVIDE FOR A/C TC-416 AND ABOVE .....                                                                                                                                                | 02 24 86 |
| SUP 29   | CONRAC SAS .....                                                                                                                                                                      | 07 20 82 |
| REV 01   | REPRINT .....                                                                                                                                                                         | 05 31 83 |
| REV 02   | NUMBERED, RENAMED, REPRINTED AND REISSUED .....                                                                                                                                       | 12 07 88 |
| UN       | 13,100 POUND TAKEOFF WEIGHT FOR METRO IIA.....                                                                                                                                        | 06 19 80 |
| UN       | FIVE-COMPARTMENT CARGO CONFIGURATION (IF MODIFIED IAW<br>STC SA 763SW AND FAIRCHILD AIRCRAFT DRAWING 27-14058).....                                                                   | 11 28 89 |
| UN       | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 226-23-001).....                                                                                                                          | 01 03 92 |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-23).....                                                                                              | 03 18 93 |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-1/-19).....                                                                                           | 03 22 93 |
| UN       | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                         | 05 07 96 |
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94 |
| UN       | FIVE-COMPARTMENT CARGO CONFIGURATION (27-14132-25) (FOR AIR-<br>PLANES WITHOUT SEAT TRACKS BUT WITH ADDITIONAL PAN FITTINGS) .....                                                    | 04 18 94 |
| UN       | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                                                  | 11 26 99 |
| REV 01   | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                                                           | 08 30 00 |
| UN       | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K14063) .....                                                                                           | 02 03 00 |
| UN       | AUTO/CONT IGNITION SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K82087) .....                                                                                           | 02 24 00 |
| REV 01   | REVISED PAGES 2, 3, AND 7 .....                                                                                                                                                       | 09 06 01 |
| REV 02   | REVISED PAGES 2 AND 5.....                                                                                                                                                            | 12 12 02 |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                                                        | 03 05 08 |

### **SA226 SERIES AIRFRAME INSPECTION MANUAL ST-UN-M002**

**REISSUE A 12 09 86**

**[PNs: PAPER 27-10054-035; INCLUDED WITH 27-10054-031, 27-10054-033 AND 27-10054-213 / ELECTRONIC 27-10054-225. INSPECTION MANUAL SET: INCLUDES ST-UN-M002, SUPPLEMENTAL INSPECTION DOCUMENT, LETTERCHECK, AND PHASE INSPECTION]**

| REV. NO. | DESCRIPTION                                                                                                                                                            | DATE     |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| A-13     | REVISED PAGES i, v, 3, AND 13-70 .....                                                                                                                                 | 04 25 12 |
| TR-001   | CLARIFIED DOOR LATCH INSPECTION REQUIREMENTS. INCLUDED ALL POTENTIALLY<br>INSTALLED LATCH ASSEMBLY PART NUMBERS. ADDED CABIN DOOR SILL INSPECTION<br>REQUIREMENT ..... | 11 17 14 |
| TR-005   | UPDATES SUPPLEMENT A, SYSTEM INSPECTIONS AND LIFE LIMITS .....                                                                                                         | 03 10 21 |

### **SA226/SA227 SERIES SUPPLEMENTAL INSPECTION DOCUMENT (SID)**

**INITIAL ISSUE 09 27 99**

**[PNs: PAPER 27-10054-213; INCLUDED WITH 27-10054-031, 27-10054-033 AND 27-10054-035 / ELECTRONIC 27-10054-225. INSPECTION MANUAL SET: INCLUDES ST-UN-M002, SUPPLEMENTAL INSPECTION DOCUMENT, LETTERCHECK, AND PHASE INSPECTION]**

| REV. NO. | DESCRIPTION                 | DATE     |
|----------|-----------------------------|----------|
| F        | REVISED DATA .....          | 05 01 12 |
| TR-002   | APPENDIX C, PG 9 OF 14..... | 05 18 15 |

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**SA226/SA227 FIELD MAINTENANCE PROCEDURES (FMP) 57-011 EDDY-CURRENT INSPECTION PROCEDURES. B.L. 9 (INCLUDED IN SUPPLEMENTAL INSPECTION DOCUMENT (SID))** **INITIAL ISSUE 09 06 96**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>          | <u>DATE</u> |
|-----------------|-----------------------------|-------------|
| 02              | REVISED DATA .....          | 08 12 04    |
| TR-002          | APPENDIX C, PG 9 OF 14..... | 05 18 15    |

**METRO II SA226 SERVICING AND RECOVERY MANUAL** **REISSUE A SEP 97**  
**[PNs: PAPER 27-10054-029 / INCLUDED ON ELECTRONIC 27-10054-218]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

**SA226 SERIES MAINTENANCE MANUAL** **INITIAL ISSUE 11 25 72**  
**[PNs: PAPER 27-10054-047 / ELECTRONIC 27-10054-048; INCLUDES 27-10054-078]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                | <u>DATE</u> |
|-----------------|-----------------------------------------------------------------------------------|-------------|
| 130             | REVISED TITLE AND REVISION PAGES, LIST OF EFFEC. PAGES, LTR. OF TRANSMITTAL ..... | 10 10 25    |
|                 | CHANGED RUDDER BELLCRANK ATTACHMENT INSTRUCTIONS.....                             | 10 10 25    |

**SA226 SERIES ILLUSTRATED PARTS CATALOG .....** **INITIAL ISSUE 10 01 72**

**[PNs: PAPER 27-10054-045 / ELECTRONIC 27-10054-046]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                  | <u>DATE</u> |
|-----------------|-------------------------------------|-------------|
| 112             | UPDATED NUMERIC INDEX.....          | 07 01 25    |
|                 | ADDED DOOR SEAL REPLACEMENT PN..... | 07 01 25    |
|                 | ADDED ANGLE ALTERNATE PN.....       | 07 01 25    |

**SA226/227 SERIES STRUCTURAL REPAIR MANUAL** **INITIAL ISSUE 03 01 83**

**[PNs: PAPER 27-10054-079 / ELECTRONIC 27-10054-080]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                          | <u>DATE</u> |
|-----------------|---------------------------------------------|-------------|
| 40              | REVISED CHAPTERS 53, 54, 56, AND 57 .....   | 02 28 13    |
| TR54-16         | 54-90-50, PG 34.....                        | 04 18 13    |
| TR51-21         | 51-30-02, PG 10.....                        | 01 13 14    |
| TR53-22         | 53-90-10, PGS 1, 2, 67, 68 .....            | 01 30 14    |
| TR52-17         | 52-90-30, PGS 1, 15-18 .....                | 02 07 14    |
| TR57-18         | 57-90-60, PG 36.....                        | 02 10 14    |
| TR52-19         | 52-90-30, PG 13.....                        | 02 11 14    |
| TR57-20         | 57-90-20, PGS 51-60 .....                   | 02 12 14    |
| TR53-23         | 53-90-20, PGS 71-74 .....                   | 02 13 14    |
| TR57-24         | 57-90-10, PGS 1, 2, 77-90, 95, 109-132..... | 02 18 14    |
| TR53-25         | 53-90-10, PGS 1, 2, 27-36 .....             | 10 31 14    |
| TR53-24         | 53-90-10, PGS 1, 2, 69-74 .....             | 11 19 14    |
| TR54-27         | 54-90-10, PGS 1, 55-58 .....                | 05 25 19    |
| TR57-26         | 57-90-55, PGS 1-6 .....                     | 04 02 19    |

**SA226 SERIES WIRING MANUAL** **INITIAL ISSUE 02 15 77**  
**[PNs: PAPER 27-10054-043; INCLUDES 27-10054-189 / ELECTRONIC 27-10054-044; INCLUDES 27-10054-190]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                        | <u>DATE</u> |
|-----------------|-------------------------------------------|-------------|
| 40              | REVISED FRONT MATTER AND CHAPTER 20 ..... | 02 26 20    |

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### **SA226 SERIES ELECTRICAL EQUIPMENT LIST** **INITIAL ISSUE 08 25 00** **[PNs: PAPER 27-10054-189; INCLUDED WITH 27-10054-043 / ELECTRONIC 27-10054-190; INCLUDED ON 27-10054-044]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                         | <u>DATE</u> |
|-----------------|----------------------------------------------------------------------------|-------------|
| 12              | REVISED FRONT MATTER AND SECTIONS A CODE, H/HA/HT, K, L, M, P, AND S ..... | 02 26 20    |

### **SA226/227 SERIES ILLUSTRATED TOOL AND EQUIPMENT MANUAL** **REISSUE 11 01 00** **[PNs: PAPER 27-10054-077 / ELECTRONIC 27-10054-078; INCLUDED ON 27-10054-048]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                         | <u>DATE</u> |
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| 117    | AIRFRAME INSPECTION MANUAL, ST-UN-M002.....                                                              | 04 06 83     |
| 118    | RESCINDED BY SB 27-036 AND SB 32-048                                                                     |              |
| 119    | CIRCUIT BREAKER MOISTURE PROTECTION..... (R)                                                             | 03 29 84     |
| 120    | RESCINDED .....                                                                                          | 07 26 93     |
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| 122    | PROCEDURE FOR CONVERTING SA227-TC FLOOR TO CARGO .....                                                   | 05 07 85     |
| 123    | PITCH TRIM ACTUATOR .....                                                                                | 12 09 83     |
| 124    | PROP DEICE SYSTEM MAINTENANCE PROCEDURES.....                                                            | 11 15 83     |
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| 126    | NOT ISSUED                                                                                               |              |
| 127    | WIRE IDENTIFICATION .....                                                                                | (R) 10 04 88 |
| 128    | METALLIC TUBING AND LINE SUPPORT.....                                                                    | 01 16 84     |
| 129    | NOT ISSUED                                                                                               |              |
| 130    | COCKPIT HYD FLUID CONT SHROUD ASSY & INSULATION BLANKETS.....                                            | 05 16 84     |
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| 133    | LANDING GEAR SERVICE AND LUBRICATION..... (R)                                                            | 09 05 84     |
| 134    | STALL AVOIDANCE SYSTEM (SAS) .....                                                                       | 08 06 84     |
| 135    | ENG CONTROL CABLE I D & INTERCHANGEABILITY.....                                                          | 08 14 84     |
| 136    | NOT ISSUED                                                                                               |              |
| 137    | AIRCRAFT DEICING PROCEDURES.....                                                                         | 11 07 84     |
| 138    | INSPECTION OF 893-16162 OXYGEN MASK MOUNTED REG .....                                                    | 01 24 85     |
| 139    | IMPROVED RADOME EROSION CAP .....                                                                        | (R) 08 20 85 |
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| 141    | SAS SERVO MOUNT BOLT ACCESS.....                                                                         | 02 28 85     |
| 142    | PASSENGER & CARGO DOOR LATCH CHECK .....                                                                 | 02 28 85     |
| 143    | FAR PART 135 COMMUTER OPERATION.....                                                                     | 06 17 85     |
| 144    | FUEL LEAK CLICK-PATCH REPAIR .....                                                                       | (R) 05 11 12 |
| 145    | INSPECT SCEET HOSES IN SIDE CONSOLES .....                                                               | 07 02 85     |
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| 149    | RESCINDED                                                                                                |              |
| 150    | ALT FITTINGS FOR SB 226-35-002 AND 226-35-003.....                                                       | 12 31 85     |
| 151    | CLARIFICATION OF A.D.85-04-01.....                                                                       | 03 04 86     |
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| 153    | IMPROVED FIRE EXTINGUISHER LOGIC MODULE .....                                                            | 08 26 86     |
| 154    | MLG TRUNNION BUSHING REPL PN..... (R)                                                                    | 09 10 86     |
| 155    | NOSE STEERING SWITCH REPLACEMENT .....                                                                   | 10 06 87     |
| 156    | NOT ISSUED                                                                                               |              |
| 157    | FORWARD WING SPAR ACCESS PANEL HARDWARE INSPECTION.....                                                  | 10 05 88     |
| 158    | MAIN LANDING GEAR DOOR TO NACELLE CLEARANCE.....                                                         | 11 28 88     |
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| 160    | ELEVATOR TORQUE TUBE INSPECTION.....                                                                     | 10 17 89     |
| 161    | FUEL SHUTOFF BELLCRANK.....                                                                              | 11 16 90     |
| 162    | RUDDER TRIM TAB ROD ASSEMBLY .....                                                                       | 11 08 9      |
| 163    | PAINTED WINGS (FULL REVISION AND REPRINT) .....                                                          | (R) 05 13 08 |
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| 166    | EXHAUST TRACK RIVET REPLACEMENT.....                                                                     | 03 18 92     |
| 167    | EXTREME COLD WEATHER GREASE FOR AILERON AND RUDDER TRIM ACTUATORS.....                                   | 01 25 93     |
| 168    | ACOUSTIC WINDOW PANE REMOVAL .....                                                                       | 01 25 93     |
| 169    | EROSION PREVENTION FOR AERODYNAMIC FEATURES, AND ABRASION<br>PROTECTION AT CERTAIN CHAFING POINTS .....  | (R) 12 19 97 |
| 170    | CHAFING, RUDDER CONTROL RODS.....                                                                        | 10 31 94     |
| 171    | CHAFING ON OIL LINES FROM RUBBER OIL COOLER TRANSITION DUCT .....                                        | 10 03 23     |
| 172    | REINFORCING WIRES, ON LOWER ENGINE COWLING<br>POSSIBLE INFLATION DEVICE FAILURE ON SAFRAN LIFERAFTS..... | 10 27 23     |



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### SA227 SERIES

**SA226 TC, AT/227AC, AT CONFIGURATION DEVIATION LIST**

**DATED 04 04 89**

**[INCLUDED WITH APPLICABLE PAPER AFM / INCLUDED ON ELECTRONIC 27-10054-220 AND 27-10054-222]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

**METRO III SA227-AC FLIGHT MANUAL 14,500 LB (7AC)**

**REISSUE B DATED 04 02 86**

**[PNs: PAPER 27-10054-073 / ELECTRONIC 27-10054-220; INCLUDES ALL 227 DOMESTIC AFMs]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                       | <u>DATE</u> |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|-------------|
| B-01            | REVISED AIR BLEED AND BALKED LANDING PROCEDURES.....                                                                     | 09 05 86    |
| B-02            | REVISED AWI MIX, GEN LOADS EFF, EDITORIAL ERRORS.....                                                                    | 12 29 86    |
| B-03            | REVISED SAS CLUTCH SWITCH NOMENCLATURE .....                                                                             | 12 30 86    |
| B-04            | REVISED ICE INGESTION & COMPLIANCE WITH AD 86-25-04 .....                                                                | 03 13 87    |
| B-05            | REVISED AWI MIX, GEN LOAD EFFECTIVITY, EDIT ERRORS.....                                                                  | 05 07 87    |
| B-06            | ACCOMMODATED SB227-61-006.....                                                                                           | 03 03 89    |
| B-07            | INCREASE PROPELLER OVERSPEED AND UNFEATHER PUMP CHECK TO 200 HOURS.....                                                  | 08 07 90    |
| B-08            | ADDED NEW BRAKE MANUFACTURER AND PN, REVISED EMERGENCY<br>PROCEDURES, CHANGED TAKEOFF POWER CHECK CHARTS.....            | 12 06 91    |
| B-09            | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT LIMITERS<br>STEP IN BEFORE TAXI.....                                    | 03 29 94    |
| B-10            | REVISED SECTIONS 0, 1, 2, 3, 3A, AND 4 .....                                                                             | 10 17 94    |
| B-11            | REVISED SECTIONS 0 AND 2.....                                                                                            | 03 28 96    |
| B-12            | REVISED SECTIONS 0, 1 AND 2.....                                                                                         | 05 13 97    |
| B-13            | REVISED SECTIONS 0, 1, 2, AND 3A .....                                                                                   | 11 18 97    |
| B-14            | REVISED SECTIONS 0, 1, 2, 3, AND 3A .....                                                                                | 05 19 99    |
| B-15            | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                                                                 | 04 28 00    |
| B-16            | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                             | 06 02 00    |
| B-17            | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A.....                                                                           | 12 07 07    |
| B-18            | REVISED SECTION 3 .....                                                                                                  | 05 28 08    |
| B-19            | REVISED SECTIONS 0 AND 3.....                                                                                            | 12 09 14    |
| B-20            | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE..... | 07 27 20    |

**METRO III SA227-AC FLIGHT MANUAL 14,500 LB SECTION 5**

**DATED 04 02 86**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                    | <u>DATE</u> |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|-------------|
| B-01            | ASTERISK REMOVED AND REVISED FIGURE REFERENCE .....                                                                   | 09 05 86    |
| B-02            | ADDED SAS TORQUE MOTOR SERVO TO EQUIP LIST.....                                                                       | 12 30 86    |
| B-03            | CORRECT EDITORIAL ERRORS ADD CONFIGURATION INFO .....                                                                 | 05 07 87    |
| B-04            | REVISED CONFIGURATION TITLES .....                                                                                    | 02 01 88    |
| B-05            | ADDED INFORMATION FOR ALLOWABLE WEIGHT PLACARDS, MODIFIED<br>WEIGHT AND BALANCE DATA, CORRECTED EDITORIAL ERRORS..... | 12 06 91    |
| B-06            | REVISED DATA .....                                                                                                    | 10 17 94    |
| B-07            | REVISED DATA .....                                                                                                    | 05 19 99    |

**METRO III SA227-AC FLIGHT MANUAL 14,500 LB SECTION 6**

**DATED 04 02 86**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                       | <u>DATE</u> |
|-----------------|----------------------------------------------------------|-------------|
| B-01            | CORRECT TYPOGRAPHICAL ERRORS.....                        | 09 05 86    |
| B-02            | CORRECT TYPOGRAPHICAL ERRORS & ENGINE FLAMEOUTS .....    | 03 13 87    |
| B-03            | REVISED COOLING SYSTEM.....                              | 05 07 87    |
| B-04            | NOSE GR. FIG., PROP. DESCRIP., LOW OIL PRESS. ANNUN..... | 02 01 88    |
| B-05            | ACCOMMODATED SB227-61-006.....                           | 03 03 89    |
| B-06            | REVISED DATA .....                                       | 10 17 94    |
| B-07            | REVISED DATA .....                                       | 03 28 96    |
| B-08            | REVISED DATA .....                                       | 05 19 99    |
| B-09            | ADDED ALTERNATE RUDDER GUST LOCK.....                    | 11 06 03    |



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### METRO III SA227-AC FLIGHT MANUAL 14,500 LB SUPPLEMENTS

| REV. NO. | DESCRIPTION                                                                                                                                                                           | DATE         |
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| SUP B-01 | ICAO ANNEX 8 OPERATIONS.....                                                                                                                                                          | 04 08 86     |
| REV B-01 | BALKED LANDING AND CORRECT EDITORIAL ERRORS.....                                                                                                                                      | 09 05 86     |
| REV B-02 | ACCOMMODATED SB227-61-006.....                                                                                                                                                        | 03 03 89     |
| SUP B-02 | SUPERSEDED BY AFM DATED .....                                                                                                                                                         | 07 29 87     |
| SUP B-03 | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                                                                 | 07 30 86     |
| REV B-01 | ENGINE START AND BEFORE TAXI PROCEDURES.....                                                                                                                                          | 07 02 87     |
| REV B-02 | ACCOMMODATED SB227-61-006.....                                                                                                                                                        | 03 03 89     |
| SUP B-04 | FLIGHT DATA RECORDER.....                                                                                                                                                             | 08 03 88     |
| SUP B-05 | COCKPIT VOICE RECORDER .....                                                                                                                                                          | 08 03 88     |
| REV B-01 | ADDED CVR MODEL A100A & OPT UNDERWATER LOCATOR BEACON.....                                                                                                                            | 12 07 88     |
| SUP B-06 | FERRY WITH FLAPS INOPERATIVE.....                                                                                                                                                     | 03 18 92     |
| SUP B-07 | FERRY WITH LANDING GEAR EXTENDED .....                                                                                                                                                | 11 20 96     |
| UN       | IMPROVED NWS (IF INSTALLED PER SB 227-32-030) .....                                                                                                                                   | 11 02 90     |
| REV 01   | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                                                        | 01 06 94     |
| REV 02   | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034) .....                                                                                                                | 03 29 94     |
| REV 03   | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES .....                                                             | 08 10 94     |
| REV 04   | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                                                                                  | 03 28 96     |
| UN       | TILLER NWS (IF INSTALLED PER SB 227-32-030) .....                                                                                                                                     | 11 02 90     |
| REV 01   | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                                                        | 01 06 94     |
| REV 02   | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034) .....                                                                                                                | 03 29 94     |
| REV 03   | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES .....                                                             | 08 10 94     |
| REV 04   | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                                                                                  | 03 28 96     |
| UN       | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001) .....                                                                                                                         | 01 03 92     |
| UN       | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING 32-82034) .....                                                                                                              | 03 11 92     |
| REV 01   | PROVISIONS FOR INSTALLATION OF F1000 FDR WITH KIT DRAWING 27K82090 .....                                                                                                              | 08 31 98     |
| REV 02   | CHANGED EFFECTIVITY ON KIT DRAWING 27K82090 TO INCLUDE SA227-BC AIRPLANES .....                                                                                                       | 08 04 00     |
| UN       | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IN ACCORDANCE WITH<br>FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300).....                                                  | 07 09 92     |
| REV 01   | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS .....                                                                                                                   | 11 05 92     |
| REV 02   | CHANGED AFT BAGGAGE COMPARTMENT LOAD .....                                                                                                                                            | 06 14 93     |
| REV 03   | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5 .....                                                                                        | 03 29 94     |
| REV 04   | ADDED PLACARD.....                                                                                                                                                                    | 04 27 94     |
| UN       | ENTRANCE LIGHTS (WHEN MODIFIED PER SB 227-33-007) .....                                                                                                                               | 07 27 92     |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -81<br>INSTALLATION OF FAIRCHILD DRAWING 27-14005).....                                                                         | 09 24 92     |
| UN       | DUAL BLEED AIR FLOW CONTROL .....                                                                                                                                                     | 02 12 93     |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-23) .....                                                                                             | 03 18 93     |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-1/-19).....                                                                                           | 03 22 93     |
| UN       | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105).....                                             | (R) 05 07 96 |
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE SYSTEM<br>(IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94     |
| UN       | FIVE-COMPARTMENT CARGO CONFIGURATION (27-14132-25) (FOR AIR-<br>PLANES WITHOUT SEAT TRACKS BUT WITH ADDITIONAL PAN FITTINGS) .....                                                    | 04 18 94     |
| UN       | FIVE CARGO NETS .....                                                                                                                                                                 | 04 21 95     |
| UN       | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                                                    | 05 04 95     |
| REV 01   | CHANGED NOTE ON PAGE 4 .....                                                                                                                                                          | 06 28 95     |



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| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                      | <u>DATE</u>  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| REV 02          | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH.....                                                     | 07 15 96     |
| UN              | FAR 121 OPERATIONS.....                                                                                                                                 | 03 12 97     |
| UN              | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                    | 11 26 99     |
| REV 01          | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                             | 08 30 00     |
| UN              | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD<br>AIRCRAFT DRAWING 27K14063) .....                                                             | 12 22 99     |
| UN              | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB 227-34-011 ..... | (R) 08 04 05 |
| UN              | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                          | 03 05 08     |

### **METRO III SA227-AC FLIGHT MANUAL 14,500 LB McCAULEY (7MC)**

**REISSUE A DATED 05 22 89**

**[PNs: PAPER 27-10054-071 / ELECTRONIC 27-10054-220; INCLUDES ALL 227 DOMESTIC AFM'S]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                          | <u>DATE</u> |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------|-------------|
| A-01            | ADD B.F. GOODRICH TIRES AND EDITORIAL CORRECTIONS .....                                                                     | 08 08 89    |
| A-02            | ADDED NEW BRAKE MANUFACTURER NAME, CHANGED NOTE ON MAXIMUM<br>LOADS, REVISED EMERGENCY PROCEDURES, ADDED FUEL VENTING ..... | 08 02 91    |
| A-03            | ADDED NEW PN FOR (ABS) BRAKES AND NOTE CONCERNING THE BRAKES,<br>AND NOTES ON COOLING ENGINES .....                         | 12 06 91    |
| A-04            | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI .....                                      | 03 29 94    |
| A-05            | REVISED SECTIONS 0 AND 2.....                                                                                               | 03 28 96    |
| A-06            | REVISED SECTIONS 0, 1 AND 2.....                                                                                            | 05 13 97    |
| A-07            | REVISED SECTIONS 0, 1, 2, AND 3A .....                                                                                      | 11 18 97    |
| A-08            | REVISED SECTIONS 0, 1, 2, 3, AND 3A .....                                                                                   | 05 19 99    |
| A-09            | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                                                                    | 04 28 00    |
| A-10            | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                                | 06 02 00    |
| A-11            | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A.....                                                                              | 12 07 07    |
| A-12            | REVISED SECTION 3 .....                                                                                                     | 05 28 08    |
| A-13            | REVISED SECTIONS 0 AND 3.....                                                                                               | 12 09 14    |
| A-14            | REVISED SECTION 3 .....                                                                                                     | 08 17 15    |
| A-15            | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE.....    | 07 27 20    |

### **METRO III SA227-AC FLIGHT MANUAL 14,500 LB McCAULEY SECTION 5**

**DATED 05 22 89**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                          | <u>DATE</u> |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| A-01            | EDITORIAL CORRECTIONS.....                                                                                                                  | 08 08 89    |
| A-02            | ADDED INFORMATION ON ALLOWABLE WEIGHT PLACARDS, CARGO NET PN AND<br>INFO ON ANCRA SINGLE STUD FITTINGS, MODIFIED WEIGHT & BALANCE DATA..... | 08 02 89    |
| A-03            | CHANGED WEIGHT AND MOMENT ENVELOPE, ADDED NEW PN FOR (ABS) BRAKES .....                                                                     | 12 06 91    |
| A-04            | REVISED DATA .....                                                                                                                          | 05 19 99    |

### **METRO III SA227-AC FLIGHT MANUAL 14,500 LB McCAULEY SECTION 6**

**DATED 05 22 89**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                     | <u>DATE</u> |
|-----------------|----------------------------------------|-------------|
| A-01            | REVISED DATA .....                     | 03 28 96    |
| A-02            | REVISED DATA .....                     | 05 19 99    |
| A-03            | ADDED ALTERNATE RUDDER GUST LOCK ..... | 11 06 03    |



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### METRO III SA227-AC FLIGHT MANUAL 14,500 LB McCAULEY, SUPPLEMENTS

| REV. NO. | DESCRIPTION                                                                                                                                                                           | DATE     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SUP A-01 | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                                                                 | 05 22 89 |
| SUP A-02 | ICAO ANNEX 8 OPERATIONS.....                                                                                                                                                          | 05 22 89 |
| SUP A-03 | FLIGHT DATA RECORDER.....                                                                                                                                                             | 05 22 89 |
| SUP A-04 | COCKPIT VOICE RECORDER.....                                                                                                                                                           | 05 22 89 |
| SUP A-05 | FERRY WITH FLAPS INOPERATIVE.....                                                                                                                                                     | 04 22 92 |
| SUP A-06 | FERRY WITH LANDING GEAR EXTENDED.....                                                                                                                                                 | 10 01 96 |
| UN       | IMPROVED NWS (IF INSTALLED PER SB 227-32-030).....                                                                                                                                    | 11 02 90 |
| REV 01   | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                                                        | 01 06 94 |
| REV 02   | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                                                                 | 03 29 94 |
| REV 03   | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES.....                                                              | 08 10 94 |
| REV 04   | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040).....                                                                                                   | 03 28 96 |
| UN       | TILLER NWS (IF INSTALLED PER SB 227-32-030).....                                                                                                                                      | 11 02 90 |
| REV 01   | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                                                        | 01 06 94 |
| REV 02   | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                                                                 | 03 29 94 |
| REV 03   | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO FOLLOW<br>ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES.....                                                              | 08 10 94 |
| REV 04   | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040).....                                                                                                   | 03 28 96 |
| UN       | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                                                                                          | 01 03 92 |
| UN       | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING 32-82034).....                                                                                                               | 03 11 92 |
| REV 01   | PROVISIONS FOR INSTALLATION OF F1000 FDR WITH KIT DRAWING 27K82090.....                                                                                                               | 08 31 98 |
| REV 02   | CHANGED EFFECTIVITY ON KIT DRAWING 27K82090 TO INCLUDE SA227-BC AIRPLANES.....                                                                                                        | 08 04 00 |
| UN       | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IN ACCORDANCE<br>WITH FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300).....                                                  | 07 09 92 |
| REV 01   | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS.....                                                                                                                    | 11 05 92 |
| REV 02   | CHANGED AFT BAGGAGE COMPARTMENT LOAD.....                                                                                                                                             | 06 14 93 |
| REV 03   | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5.....                                                                                         | 03 29 94 |
| REV 04   | ADDED PLACARD.....                                                                                                                                                                    | 04 27 94 |
| UN       | ENTRANCE LIGHTS (WHEN MODIFIED PER SB 227-33-007).....                                                                                                                                | 07 27 92 |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -81<br>INSTALLATION OF FAIRCHILD DRAWING 27-14005).....                                                                         | 09 24 92 |
| UN       | DUAL BLEED AIR FLOW CONTROL.....                                                                                                                                                      | 02 12 93 |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-23).....                                                                                              | 03 18 93 |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-1/-19).....                                                                                           | 03 22 93 |
| UN       | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                         | 05 07 96 |
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94 |
| UN       | FIVE-COMPARTMENT CARGO CONFIGURATION (27-14132-25) (FOR AIR-<br>PLANES WITHOUT SEAT TRACKS BUT WITH ADDITIONAL PAN FITTINGS).....                                                     | 04 18 94 |
| UN       | FIVE CARGO NETS.....                                                                                                                                                                  | 04 21 95 |
| UN       | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM.....                                                                                                                                     | 05 04 95 |
| REV 01   | CHANGED NOTE ON PAGE 4.....                                                                                                                                                           | 06 28 95 |
| REV 02   | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH.....                                                                                   | 07 15 96 |
| UN       | FAR 121 OPERATIONS.....                                                                                                                                                               | 03 12 97 |
| UN       | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                                                  | 11 26 99 |



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| REV. NO. | DESCRIPTION                                                                                                                                             | DATE         |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| REV 01   | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                             | 08 30 00     |
| UN       | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD<br>AIRCRAFT DRAWING 27K14063) .....                                                             | 12 22 99     |
| UN       | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB 227-34-011 ..... | (R) 08 04 05 |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                          | 03 05 08     |

### **METRO III SA227-AC FLIGHT MANUAL 16,000 LB (6AC)**

**REISSUE A DATED 05 22 89**

**[PNs: PAPER 27-10054-069 / ELECTRONIC 27-10054-220; INCLUDES ALL 227 DOMESTIC AFM'S]**

| REV. NO. | DESCRIPTION                                                                                                               | DATE     |
|----------|---------------------------------------------------------------------------------------------------------------------------|----------|
| A-01     | ADD B.F. GOODRICH TIRES AND EDITORIAL CORRECTIONS .....                                                                   | 08 08 89 |
| A-02     | ADD B.F. REDUCED POWER TAKEOFF OPERATIONS .....                                                                           | 04 26 90 |
| A-03     | CHANGE NOTE ON MAX LOADS FOR BAGGAGE COMPARTMENTS .....                                                                   | 08 20 90 |
| A-04     | ADDED APPROVED BRAKES, NOTES ON COOLING ENGINES, REVISED<br>EMERGENCY PROCEDURES .....                                    | 12 06 91 |
| A-05     | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI .....                                    | 03 29 94 |
| A-06     | CHANGED INFO ABOUT McCAULEY PROPELLERS, AND GENERATOR LOAD<br>FOR IN FLIGHT OPERATIONS .....                              | 08 12 94 |
| A-07     | REVISED SECTIONS 0 AND 2 .....                                                                                            | 03 28 96 |
| A-08     | REVISED SECTIONS 0, 1 AND 2 .....                                                                                         | 05 13 97 |
| A-09     | REVISED SECTIONS 0, 1, 2, 3A, 4C, AND 4D .....                                                                            | 11 18 97 |
| A-10     | REVISED SECTIONS 0, 1, 2, 3, AND 3A .....                                                                                 | 05 11 99 |
| A-11     | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                                                                  | 04 28 00 |
| A-12     | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                              | 06 02 00 |
| A-13     | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A .....                                                                           | 12 07 07 |
| A-14     | REVISED SECTION 3 .....                                                                                                   | 05 28 08 |
| A-15     | REVISED SECTION 3 .....                                                                                                   | 09 24 14 |
| A-16     | REVISED SECTIONS 0 AND 3 .....                                                                                            | 11 14 14 |
| A-17     | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE ..... | 07 27 20 |

### **METRO III SA227-AC FLIGHT MANUAL 16,000 LB SECTION 5**

**DATED 05 22 89**

| REV. NO. | DESCRIPTION                                                                                                                              | DATE     |
|----------|------------------------------------------------------------------------------------------------------------------------------------------|----------|
| A-01     | EDITORIAL CORRECTIONS .....                                                                                                              | 08 08 89 |
| A-02     | ADD 19 SEATS, REMOVE MOVEMENT TABLES & W/B DATA,<br>CHANGE BAGGAGE MAX LOAD .....                                                        | 08 20 90 |
| A-03     | MODIFIED WEIGHT AND BALANCE DATA, ADDED CARGO NET PN AND INFO ON<br>ANCRA SINGLE STUD FITTINGS, CHANGED WEIGHT AND MOMENT ENVELOPE ..... | 12 06 91 |
| A-04     | REVISED DATA .....                                                                                                                       | 05 11 99 |

### **METRO III SA227-AC FLIGHT MANUAL 16,000 LB SECTION 6**

**DATED 05 22 89**

| REV. NO. | DESCRIPTION                            | DATE     |
|----------|----------------------------------------|----------|
| A-01     | REVISED SECTION 6 .....                | 03 28 96 |
| A-02     | REVISED DATA .....                     | 12 12 97 |
| A-03     | REVISED DATA .....                     | 05 11 99 |
| A-04     | ADDED ALTERNATE RUDDER GUST LOCK ..... | 11 06 03 |



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### METRO III SA227-AC FLIGHT MANUAL 16,000 LB SUPPLEMENTS

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                                                                                    | <u>DATE</u> |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| SUP A-01       | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                                                                 | 05 22 89    |
| SUP A-02       | FLIGHT DATA RECORDER.....                                                                                                                                                             | 05 22 89    |
| SUP A-03       | COCKPIT VOICE RECORDER.....                                                                                                                                                           | 05 22 89    |
| SUP A-04       | C-26A CONFIGURATION (C-26A AIRCRAFT ONLY).....                                                                                                                                        | 05 22 89    |
| REV A-01       | INCREASED ZERO FUEL WEIGHT; CLARIFICATION OF MED-EVAC STATUS.....                                                                                                                     | 10 18 89    |
| REV A-02       | ADD MFG DATA FOR CONTAMINATED RUNWAY.....                                                                                                                                             | 03 02 90    |
| REV A-03       | COMPLETE REISSUE OF SUP A-4.....                                                                                                                                                      | 09 20 90    |
| REV A-04       | COMPLETE REISSUE OF SUP A-4.....                                                                                                                                                      | 02 11 92    |
| REV A-05       | ADDED CARGO NET PART NUMBER.....                                                                                                                                                      | 07 28 92    |
| SUP A-05       | (RESERVED)                                                                                                                                                                            |             |
| SUP A-06       | 200 AMPERE ELECTRICAL SYSTEM.....                                                                                                                                                     | 08 15 91    |
| SUP A-07       | 21-INCH DOWTY ROTOL PROPELLER BOOTS.....                                                                                                                                              | 08 15 91    |
| SUP A-08       | FERRY WITH FLAPS INOPERATIVE.....                                                                                                                                                     | 04 22 92    |
| SUP A-09       | INCREASED ZERO FUEL AND LANDINGS WEIGHTS.....                                                                                                                                         | 11 06 92    |
| SUP A-10       | FERRY WITH LANDING GEAR EXTENDED.....                                                                                                                                                 | 10 01 96    |
| UN             | IMPROVED NWS (IF INSTALLED PER SB 227-32-030).....                                                                                                                                    | 11 02 90    |
| REV 01         | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                                                        | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                                                                 | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES.....                                                              | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040).....                                                                                                   | 03 28 96    |
| UN             | TILLER NWS (IF INSTALLED PER SB 227-32-030).....                                                                                                                                      | 11 02 90    |
| REV 01         | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                                                        | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                                                                 | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES.....                                                              | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040).....                                                                                                   | 03 28 96    |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                                                                                          | 01 03 92    |
| UN             | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING 32-82034).....                                                                                                               | 03 11 92    |
| REV 01         | PROVISIONS FOR INSTALLATION OF F1000 FDR WITH KIT DRAWING 27K82090.....                                                                                                               | 08 31 98    |
| REV 02         | CHANGED EFFECTIVITY ON KIT DRAWING 27K82090 TO INCLUDE SA227-BC AIRPLANES.....                                                                                                        | 08 04 00    |
| UN             | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IN ACCORDANCE WITH<br>FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300).....                                                  | 07 09 92    |
| REV 01         | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS.....                                                                                                                    | 11 05 92    |
| REV 02         | CHANGED AFT BAGGAGE COMPARTMENT LOAD.....                                                                                                                                             | 06 14 93    |
| REV 03         | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5.....                                                                                         | 03 29 94    |
| REV 04         | ADDED PLACARD.....                                                                                                                                                                    | 04 27 94    |
| UN             | ENTRANCE LIGHTS (WHEN MODIFIED PER SB 227-33-007).....                                                                                                                                | 07 27 92    |
| UN             | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -81<br>INSTALLATION OF FAIRCHILD DRAWING 27-14005).....                                                                         | 09 24 92    |
| UN             | DUAL BLEED AIR FLOW CONTROL.....                                                                                                                                                      | 02 12 93    |
| UN             | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-23).....                                                                                              | 03 18 93    |
| UN             | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-1/-19).....                                                                                           | 03 22 93    |
| UN             | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                         | 05 07 96    |
| UN             | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94    |
| UN             | FIVE-COMPARTMENT CARGO CONFIGURATION (27-14132-25) (FOR AIR-<br>PLANES WITHOUT SEAT TRACKS BUT WITH ADDITIONAL PAN FITTINGS).....                                                     | 04 18 94    |
| UN             | FIVE CARGO NETS.....                                                                                                                                                                  | 04 21 95    |



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| REV. NO. | DESCRIPTION                                                                                                                                             | DATE         |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UN       | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                      | 05 04 95     |
| REV 01   | CHANGED NOTE ON PAGE 4 .....                                                                                                                            | 06 28 95     |
| REV 02   | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH.....                                                     | 07 15 96     |
| UN       | FAR 121 OPERATIONS .....                                                                                                                                | 03 12 97     |
| UN       | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                    | 11 26 99     |
| REV 01   | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                             | 08 30 00     |
| UN       | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD<br>AIRCRAFT DRAWING 27K14063) .....                                                             | 12 22 99     |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (27K10002-5 INSTALLATION)<br>(EFFECTIVITY : S/N'S 532B, 538B, 571B - 783B, AND 785B - 789B ONLY) .....              | 10 06 00     |
| UN       | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB 227-34-011 ..... | (R) 08 04 05 |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                          | 03 05 08     |

### **MERLIN IVC SA227-AT FLIGHT MANUAL 14,500 LB (7AT)**

**REISSUE B DATED 11 30 88**

**[PNs: PAPER 27-10054-061 / ELECTRONIC 27-10054-220; INCLUDES ALL 227 DOMESTIC AFM'S]**

| REV. NO. | DESCRIPTION                                                                                                              | DATE     |
|----------|--------------------------------------------------------------------------------------------------------------------------|----------|
| B-01     | ACCOMMODATED SB227-61-006 .....                                                                                          | 03 03 89 |
| B-02     | ADDED B.F. GOODRICH TIRES, APPROVED BRAKES, REVISED EMERGENCY<br>PROCEDURES, CHANGED NOTES ON COOLING ENGINES .....      | 12 06 91 |
| B-03     | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI .....                                   | 03 29 94 |
| B-04     | REVISED SECTIONS 0 AND 4.....                                                                                            | 03 28 96 |
| B-05     | REVISED SECTIONS 0, 2 AND 4.....                                                                                         | 05 13 97 |
| B-06     | REVISED SECTIONS 0, 2, 3A, AND 4 .....                                                                                   | 11 18 97 |
| B-07     | REVISED SECTIONS 0 AND 3.....                                                                                            | 05 11 99 |
| B-08     | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 3 AND 4 .....                                                                 | 04 28 00 |
| B-09     | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                             | 06 02 00 |
| B-10     | ADDED FUEL BALANCING TO SECTIONS 2 AND 3A.....                                                                           | 12 07 07 |
| B-11     | REVISED SECTION 3 .....                                                                                                  | 05 28 08 |
| B-12     | REVISED SECTIONS 0 AND 3.....                                                                                            | 12 09 14 |
| B-13     | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE..... | 07 27 20 |

### **MERLIN IVC SA227-AT FLIGHT MANUAL 14,500 LB SECTION 6**

**DATED 11 30 88**

| REV. NO. | DESCRIPTION                                                                                                                                 | DATE     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------|----------|
| B-01     | ADDED PLAN F, REVISED EXPEDITER LOADING, BENDING MOMENTS INFO.....                                                                          | 11 30 88 |
| B-02     | MODIFIED WEIGHT AND BALANCE DATA, CHANGED WEIGHT AND MOMENT ENVELOPE,<br>LISTED NEW NAME AND ADDED PART NUMBER FOR BRAKE MANUFACTURER ..... | 12 06 91 |

### **MERLIN IVC SA227-AT FLIGHT MANUAL 14,500 LB SECTION 7**

**DATED 11 30 88**

| REV. NO. | DESCRIPTION                                           | DATE     |
|----------|-------------------------------------------------------|----------|
| B-01     | ACCOMMODATED SB227-61-006 .....                       | 03 03 89 |
| B-02     | CORRECTED EDITORIAL ERROR, CLARIFIED PROCEDURES ..... | 12 06 91 |
| B-03     | REVISED DATA .....                                    | 03 28 96 |
| B-04     | REVISED DATA .....                                    | 05 11 99 |
| B-05     | ADDED ALTERNATE RUDDER GUST LOCK .....                | 11 06 03 |



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**MERLIN IVC SA227-AT FLIGHT MANUAL 14,500 LB SECTION 8**

**DATED 11 30 88**

| REV. NO. | DESCRIPTION | DATE |
|----------|-------------|------|
|----------|-------------|------|

**MERLIN IVC SA227-AT FLIGHT MANUAL 14,500 LB SUPPLEMENTS**

| SUP/REV  | DESCRIPTION                                                                                                                                                                           | DATE     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SUP B-01 | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                                                                 | 11 30 88 |
| REV B-01 | ACCOMMODATED SB227-61-006.....                                                                                                                                                        | 03 03 89 |
| SUP B-02 | McCAULEY PROPELLERS.....                                                                                                                                                              | 11 30 88 |
| REV B-01 | ACCOMMODATED SB227-61-006.....                                                                                                                                                        | 03 03 89 |
| SUP B-03 | ICAO ANNEX 8 OPERATIONS.....                                                                                                                                                          | 11 30 88 |
| REV B-01 | ACCOMMODATED SB227-61-006.....                                                                                                                                                        | 03 03 89 |
| SUP B-04 | OPERATION IN CANADA.....                                                                                                                                                              | 11 30 88 |
| REV B-01 | REVISED AND DELETED DATA.....                                                                                                                                                         | 05 07 97 |
| SUP B-05 | FLIGHT DATA RECORDER.....                                                                                                                                                             | 11 30 88 |
| SUP B-06 | COCKPIT VOICE RECORDER.....                                                                                                                                                           | 11 30 88 |
| UN       | IMPROVED NWS (IF INSTALLED PER SB 227-32-030).....                                                                                                                                    | 12 12 91 |
| REV 01   | REVISED LIMITATIONS, EMERGENCY, ABNORMAL AND NORMAL<br>PROCEDURES, AND SYSTEMS DESCRIPTIONS.....                                                                                      | 01 06 94 |
| REV 02   | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                                                                 | 03 29 94 |
| REV 03   | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 5 AND ADDED TWO PAGES.....                                                              | 08 10 94 |
| REV 04   | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040).....                                                                                                   | 03 28 96 |
| UN       | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                                                                                          | 01 03 92 |
| UN       | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING).....                                                                                                                        | 03 11 92 |
| UN       | ENTRANCE LIGHTS (WHEN INSTALLED PER SB 227-33-007).....                                                                                                                               | 07 27 92 |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -75<br>INSTALLATION OF DWG. 24-14005).....                                                                                      | 08 05 92 |
| UN       | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                         | 05 07 96 |
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94 |
| UN       | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                                                  | 11 26 99 |
| REV 01   | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0.....                                                                                                                            | 08 30 00 |
| UN       | FLIGHT DATA RECORDER (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 32-82034 OR 27K82090).....                                                                                     | 12 22 99 |
| UN       | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K14063).....                                                                                            | 12 22 99 |
| UN       | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB 227-34-011..... (R)                            | 08 04 05 |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009.....                                                                                                         | 03 05 08 |

**MERLIN IVC SA227-AT FLIGHT MANUAL 16,000 LB (6AT)**

**DATED 05 13 87**

**[PNs: PAPER 27-10054-059 / ELECTRONIC 27-10054-220: INCLUDES ALL 227 DOMESTIC AFM'S]**

| REV. NO. | DESCRIPTION                                                                                                                            | DATE     |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|----------|
| 01       | ACCOMMODATED SB227-61-006.....                                                                                                         | 03 03 89 |
| 02       | ADDED REDUCED POWER TAKEOFF OPERATIONS AND INCLUDED JP-8 IN FUEL<br>SECTIONS, ADDED APPROVED BRAKES, REVISED EMERGENCY PROCEDURES..... | 12 06 91 |
| 03       | REVISED NORMAL, EMERGENCY, AND ABNORMAL PROCEDURES SECTIONS<br>CORRECTED EDITORIAL ERRORS.....                                         | 01 26 93 |
| 04       | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI.....                                                  | 03 29 94 |
| 05       | REVISED SECTIONS 0 AND 4.....                                                                                                          | 03 28 96 |
| 06       | REVISED SECTIONS 0, 2 AND 4.....                                                                                                       | 05 13 97 |

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| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                       | <u>DATE</u> |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|-------------|
| 07              | REVISED SECTIONS 0, 2, 3A, AND 4 .....                                                                                   | 11 18 97    |
| 08              | REVISED SECTIONS 0 AND 3.....                                                                                            | 05 11 99    |
| 09              | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 3 AND 4 .....                                                                 | 04 28 00    |
| 10              | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                             | 06 02 00    |
| 11              | ADDED FUEL BALANCING TO SECTIONS 2 AND 3A.....                                                                           | 12 07 07    |
| 12              | REVISED SECTION 3 .....                                                                                                  | 05 28 08    |
| 13              | REVISED SECTIONS 0 AND 3.....                                                                                            | 11 14 14    |
| 14              | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE..... | 07 27 20    |

### MERLIN IVC SA227-AT FLIGHT MANUAL 16,000 LB SECTION 6

**DATED 05 13 87**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                          | <u>DATE</u> |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------|-------------|
| 01              | MODIFIED WEIGHT AND BALANCE DATA, EXPANDED EXPEDITER CARGO<br>CONFIGURATION SECTION, CHANGED WEIGHT AND MOMENT BALANCE..... | 12 06 91    |
| 02              | MODIFIED WEIGHT AND BALANCE IN FIGURES 6-1, 6-2 AND 6-32.<br>CORRECTED EDITORIAL ERRORS .....                               | 01 26 93    |

### MERLIN IVC SA227-AT FLIGHT MANUAL 16,000 LB SECTION 7

**DATED 05 13 87**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                       | <u>DATE</u> |
|-----------------|----------------------------------------------------------|-------------|
| 01              | NOSE GR. FIG., PROP. DESCRIP., LOW OIL PRESS. ANNUN..... | 02 01 88    |
| 02              | ACCOMMODATED SB 227-61-006.....                          | 03 03 89    |
| 03              | CORRECTED EDITORIAL ERRORS .....                         | 01 26 93    |
| 04              | REVISED DATA .....                                       | 03 28 96    |
| 05              | REVISED DATA .....                                       | 05 11 99    |
| 06              | ADDED ALTERNATE RUDDER GUST LOCK.....                    | 11 06 03    |
| 07              | CORRECTED REVISION DATE FOR PAGE 7-21 .....              | 11 03 14    |

### MERLIN IVC SA227-AT FLIGHT MANUAL 16,000 LB SECTION 8

**DATED 05 13 87**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>               | <u>DATE</u> |
|-----------------|----------------------------------|-------------|
| 01              | CORRECTED EDITORIAL ERRORS ..... | 01 26 93    |

### MERLIN IVC SA227-AT FLIGHT MANUAL 16,000 LB SUPPLEMENTS

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                                        | <u>DATE</u>  |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| SUP 01         | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                     | 05 13 87     |
| REV 01         | ACCOMMODATED SB227-61-006 .....                                                                                                           | 03 03 89     |
| SUP 02         | FLIGHT DATA RECORDER.....                                                                                                                 | 08 03 88     |
| SUP 03         | COCKPIT VOICE RECORDER .....                                                                                                              | 08 03 88     |
| REV 01         | ADDED CVR MODEL A100A & OPT UNDERWATER LOCATOR BEACON.....                                                                                | 12 07 88     |
| UN             | IMPROVED NWS (IF INSTALLED PER SB 227-32-030).....                                                                                        | 12 12 91     |
| REV 01         | REVISED LIMITATIONS, EMERGENCY, ABNORMAL AND NORMAL<br>PROCEDURES, AND SYSTEMS DESCRIPTIONS .....                                         | 01 06 94     |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034). .....                                                                   | 03 29 94     |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 5 AND ADDED TWO PAGES .....                 | 08 10 94     |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                                      | 03 28 96     |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                                              | 01 03 92     |
| UN             | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING 32-82034) .....                                                                  | 03 11 92     |
| UN             | ENTRANCE LIGHTS (WHEN MODIFIED PER SB 227-33-007).....                                                                                    | 07 27 92     |
| UN             | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -75<br>INSTALLATION OF DWG. 27-14005).....                                          | 08 05 92     |
| UN             | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... | (R) 05 07 96 |



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| REV. NO. | DESCRIPTION                                                                                                                                                                     | DATE         |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107, SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94     |
| UN       | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                                               | 11 26 99     |
| REV 01   | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                                                     | 08 30 00     |
| UN       | FLIGHT DATA RECORDER (WHEN INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 32-82034 OR 27K82090).....                                                                                  | 12 22 99     |
| UN       | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27K14063) .....                                                                                        | 12 22 99     |
| UN       | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS) DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED PER M7 AEROSPACE SB 227-34-011.....                                | (R) 08 04 05 |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                                                  | 03 05 08     |

### MERLIN IIIC SA227-TT FLIGHT MANUAL

**REISSUE A DATED 08 07 81**

**[PNS: PAPER 27-10054-053 / ELECTRONIC 27-10054-220; INCLUDES ALL 227 DOMESTIC AFM'S]**

| REV. NO. | DESCRIPTION                                                                                                           | DATE     |
|----------|-----------------------------------------------------------------------------------------------------------------------|----------|
| 01       | FLIGHT IN ICING CONDITIONS .....                                                                                      | 12 18 81 |
| 02       | ANTI-SKID (IF INSTALLED) PROCEDURE .....                                                                              | 01 11 81 |
| 03       | NOSE WHEEL STEERING.....                                                                                              | 01 14 82 |
| 04       | PROP DEICE LOADMETER.....                                                                                             | 01 21 82 |
| 05       | LANDING GEAR EMERG EXT & GEAR UP LANDINGS .....                                                                       | 01 28 82 |
| 06       | PROP LEADING EDGE TAPE .....                                                                                          | 03 05 82 |
| 07       | ADD OF SECTION 5 LIST OF EFF PGS & PERFOR DATA .....                                                                  | 05 05 82 |
| 08       | AIRSPEED INDICATOR .....                                                                                              | 05 05 82 |
| 09       | CONTINUED AIRWORTHINESS REQUIREMENTS .....                                                                            | 07 27 82 |
| 10       | 21 INCH PROPELLER DEICE BOOTS .....                                                                                   | 08 09 82 |
| 11       | USE OF PROP TAPE W/21" PROP DEICE BOOTS .....                                                                         | 10 05 82 |
| 12       | INCREASE MAX FWD BAG CMPT LOAD TO 600 LBS.....                                                                        | 03 02 83 |
| 13       | ADD ENGINE -513G.....                                                                                                 | 06 10 83 |
| 14       | ADDED NOTES TO LANDING GEAR EMERGENCY EXTENSION .....                                                                 | 09 13 84 |
| 15       | -17 PLACARD FOR LANDING GEAR EMERGENCY EXTENSION .....                                                                | 10 15 84 |
| 16       | BLEED AIR, ICE PROTECTION, AND OXYGEN EQUIPMENT.....                                                                  | 10 10 85 |
| 17       | CORRECTION TO INSTRUMENT MARKINGS .....                                                                               | 12 17 85 |
| 18       | REVISED AWI FLUID MIX .....                                                                                           | 12 29 86 |
| 19       | ACCOMMODATED SB227-61-006.....                                                                                        | 03 03 89 |
| 20       | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT LIMITERS STEP IN BEFORE TAXI.....                                    | 03 29 94 |
| 21       | REVISED SECTIONS i AND 4.....                                                                                         | 03 28 96 |
| 22       | REVISED SECTIONS i, 2 AND 4.....                                                                                      | 05 13 97 |
| 23       | REVISED SECTIONS i, 2, 3A, AND 4 .....                                                                                | 11 18 97 |
| 24       | REVISED SECTIONS i and 3 .....                                                                                        | 05 11 99 |
| 25       | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 3 AND 4 .....                                                              | 04 28 00 |
| 26       | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                          | 06 02 00 |
| 27       | ADDED FUEL BALANCING TO SECTIONS 2 AND 3A.....                                                                        | 12 07 07 |
| 28       | REVISED SECTION 3 .....                                                                                               | 05 28 08 |
| 29       | REVISED SECTIONS 0 AND 3.....                                                                                         | 12 09 14 |
| 30       | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE..... | 07 27 20 |

### **MERLIN IIIC SA227-TT FLIGHT MANUAL SECTION 6**

**DATED 08 07 81**

| REV. NO. | DESCRIPTION                                              | DATE     |
|----------|----------------------------------------------------------|----------|
| 01       | MAX CAPACITY NOSE COMP AND AWI MOMENT TABLE .....        | 03 02 83 |
| 02       | ADDITION OF LIST OF REVISIONS PAGES.....                 | 11 15 83 |
| 03       | ADDS PLNS C&D ARR, W/B FORM, PAYLOAD MOMENT TABLES ..... | 06 27 84 |
| 04       | REVISED EQUIPMENT LIST .....                             | 10 10 85 |



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### MERLIN IIIC SA227-TT FLIGHT MANUAL SECTION 7

DATED 03 02 82

| REV. NO. | DESCRIPTION                                         | DATE     |
|----------|-----------------------------------------------------|----------|
| 01       | ADDITION OF LIST OF REVISIONS PAGES.....            | 11 15 83 |
| 02       | POWER LEVER MANG DURING START, NOISE CONTROL.....   | 11 30 84 |
| 03       | PROP DEICE BOOTS AND BETA LIGHT AMPLIFICATION ..... | 10 10 85 |
| 04       | GUST LOCK BELT.....                                 | 01 01 86 |
| 05       | ACCOMMODATED SB227-61-006.....                      | 03 03 89 |
| 06       | REVISED DATA .....                                  | 03 28 96 |
| 07       | REVISED DATA .....                                  | 05 11 99 |
| 08       | ADDED ALTERNATE RUDDER GUST LOCK.....               | 11 06 03 |

### MERLIN IIIC SA227-TT FLIGHT MANUAL SECTION 8

DATED 08 07 81

| REV. NO. | DESCRIPTION                                      | DATE     |
|----------|--------------------------------------------------|----------|
| 01       | CHANGE TO REFUELING PROCEDURE AND OIL CHECK..... | 06 03 83 |
| 02       | ADDITION OF LIST OF REVISIONS PAGES.....         | 11 15 83 |
| 03       | ADDITION OF CAUTION TO TOWING PROCEDURE .....    | 02 03 84 |
| 04       | OIL LEVEL CHECK.....                             | 11 30 84 |

### MERLIN IIIC SA227-TT FLIGHT MANUAL SUPPLEMENTS

| SUP/REV | DESCRIPTION                                                                                                               | DATE     |
|---------|---------------------------------------------------------------------------------------------------------------------------|----------|
| SUP 01  | 13,230 POUND TAKEOFF WEIGHT.....                                                                                          | 08 07 81 |
| REV 01  | WEIGHT CORRECTION & PERFORMANCE (REV 1 TO SUP 1) .....                                                                    | 05 05 82 |
| REV 02  | EXPANDED PERFORMANCE CHARTS (REV 2 TO SUP 1).....                                                                         | 10 05 82 |
| REV 03  | DELETED ANTI-SKID EFFECTS FROM EXAMPLE FOR FIGURES 11 & 12 .....                                                          | 09 29 93 |
| SUP 02  | BENDIX FCS-8700B AUTO FLIGHT CONTROL SYSTEM .....                                                                         | 10 29 81 |
| REV 01  | CORRECTED WORDING (REV 1 TO SUP 2).....                                                                                   | 11 30 81 |
| SUP 03  | BENDIX FCS-8700B YAW DAMPER SYSTEM.....                                                                                   | 10 29 81 |
| UN      | IMPROVED NWS (IF INSTALLED PER SB 32-030) .....                                                                           | 12 12 91 |
| REV 01  | REVISED LIMITATIONS, EMERGENCY, ABNORMAL AND NORMAL<br>PROCEDURES, AND SYSTEMS DESCRIPTIONS .....                         | 01 06 94 |
| REV 02  | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034). .....                                                   | 03 29 94 |
| REV 03  | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 5 AND ADDED TWO PAGES ..... | 08 10 94 |
| REV 04  | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                      | 03 28 96 |
| UN      | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                              | 01 03 92 |
| UN      | AUTO/CONT IGNITION SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K82087) .....                               | 02 24 00 |
| REV 01  | REVISED PAGES 2 AND 8.....                                                                                                | 12 12 02 |
| UN      | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                            | 03 05 08 |

### FAIRCHILD 300 SA227-TT FLIGHT MANUAL 13,230 LB (300)

DATED 10 04 84

[PNs: PAPER 27-10054-051 / ELECTRONIC 27-10054-220; INCLUDES ALL 227 DOMESTIC AFM'S]

| REV. NO. | DESCRIPTION                                                                            | DATE     |
|----------|----------------------------------------------------------------------------------------|----------|
| 01       | BLEED AIR, ENGINE FIRE, TIRE LIMITATIONS .....                                         | 09 06 85 |
| 02       | ICE PROTECTION AND OXYGEN EQUIPMENT .....                                              | 10 10 85 |
| 03       | REVISED AWI MIX AND ADDED GOODYEAR AEROSPACE TIRES .....                               | 12 29 86 |
| 04       | EQUIVALENT METHOD OF COMPLIANCE W/ AD 86-25-04.....                                    | 06 24 88 |
| 05       | ACCOMMODATED SB227-61-006.....                                                         | 03 03 89 |
| 06       | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI ..... | 03 29 94 |
| 07       | REVISED SECTIONS 0 AND 4.....                                                          | 03 28 96 |
| 08       | REVISED SECTIONS 0, 2, AND 4.....                                                      | 05 13 97 |

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| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                       | <u>DATE</u> |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|-------------|
| 09              | REVISED SECTIONS 0, 2, 3A, AND 4 .....                                                                                   | 11 18 97    |
| 10              | REVISED SECTIONS 0 AND 3.....                                                                                            | 05 11 99    |
| 11              | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 3 AND 4 .....                                                                 | 04 28 00    |
| 12              | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                             | 06 02 00    |
| 13              | ADDED FUEL BALANCING TO SECTIONS 2 AND 3A.....                                                                           | 12 07 07    |
| 14              | REVISED SECTION 3 .....                                                                                                  | 05 28 08    |
| 15              | REVISED SECTIONS 0 AND 3.....                                                                                            | 12 09 14    |
| 16              | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE..... | 07 27 20    |

### FAIRCHILD 300 SA227-TT FLIGHT MANUAL 13,230 LB SECTION 6

**DATED 10 04 84**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                              | <u>DATE</u> |
|-----------------|-------------------------------------------------|-------------|
| 01              | CORRECT APPROVAL INFORMATION BOTTOM PAGES ..... | 06 24 88    |

### FAIRCHILD 300 SA227-TT FLIGHT MANUAL 13,230 LB SECTION 7

**DATED 10 04 84**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                              | <u>DATE</u> |
|-----------------|-------------------------------------------------|-------------|
| 01              | PROP DEICE AND BETA LIGHT CHARACTERISTICS ..... | 10 10 85    |
| 02              | GUST LOCK BELT.....                             | 01 01 86    |
| 03              | OPERATING TIP REGARDING ENGINE FLAMEOUTS .....  | 06 24 88    |
| 04              | ACCOMMODATED SB227-61-006.....                  | 03 03 89    |
| 05              | REVISED DATA .....                              | 03 28 96    |
| 06              | REVISED DATA .....                              | 05 11 99    |
| 07              | ADDED ALTERNATE RUDDER GUST LOCK.....           | 11 06 03    |

### FAIRCHILD 300 SA227-TT FLIGHT MANUAL 13,230 LB SECTION 8

**DATED 10 04 84**

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

### FAIRCHILD 300 SA227-TT FLIGHT MANUAL 13,230 LB SUPPLEMENTS

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                        | <u>DATE</u> |
|----------------|---------------------------------------------------------------------------------------------------------------------------|-------------|
| UN             | IMPROVED NWS (IF INSTALLED PER SB 227-32-030) .....                                                                       | 12 12 91    |
| REV 01         | REVISED LIMITATIONS, EMERGENCY, ABNORMAL AND NORMAL<br>PROCEDURES, AND SYSTEMS DESCRIPTIONS .....                         | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034) .....                                                    | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 5 AND ADDED TWO PAGES ..... | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                      | 03 28 96    |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001) .....                                                             | 01 03 92    |
| UN             | AUTO/CONT IGNITION SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K82087) .....                               | 02 24 00    |
| REV 01         | REVISED PAGES 2 AND 8.....                                                                                                | 12 12 02    |

### FAIRCHILD 300 SA227-TT FLIGHT MANUAL 13,230 LB SUPPLEMENTS

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                             | <u>DATE</u> |
|----------------|--------------------------------------------------------------------------------|-------------|
| UN             | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 ..... | 03 05 08    |



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### **FAIRCHILD 300 SA227-TT FLIGHT MANUAL 12,500 LB (312)**

**DATED 10 31 85**

**[PNs: PAPER 27-10054-049 / ELECTRONIC 27-10054-220; INCLUDES ALL 227 DOMESTIC AFM'S]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                        | <u>DATE</u> |
|-----------------|---------------------------------------------------------------------------------------------------------------------------|-------------|
| 01              | REVISED AWI MIX AND ADDED GOODYEAR AEROSPACE TIRES .....                                                                  | 12 29 86    |
| 02              | EQUIVALENT METHOD OF COMPLIANCE W/ AD 86-25-04 .....                                                                      | 06 24 88    |
| 03              | ACCOMMODATED SB227-61-006 .....                                                                                           | 03 03 89    |
| 04              | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI .....                                    | 03 29 94    |
| 05              | REVISED SECTIONS 0 AND 4 .....                                                                                            | 03 28 96    |
| 06              | REVISED SECTIONS 0, 2 AND 4 .....                                                                                         | 05 13 97    |
| 07              | REVISED SECTIONS 0, 2, 3A, AND 4 .....                                                                                    | 11 18 97    |
| 08              | REVISED SECTIONS 0 AND 3 .....                                                                                            | 05 11 99    |
| 09              | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 3 AND 4 .....                                                                  | 04 28 00    |
| 10              | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                              | 06 02 00    |
| 11              | ADDED FUEL BALANCING TO SECTIONS 2 AND 3A .....                                                                           | 12 07 07    |
| 12              | REVISED SECTION 3 .....                                                                                                   | 05 28 08    |
| 13              | REVISED SECTIONS 0 AND 3 .....                                                                                            | 12 09 14    |
| 14              | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE ..... | 07 27 20    |

### **FAIRCHILD 300 SA227-TT FLIGHT MANUAL 12,500 LB SECTION 6**

**DATED 10 31 85**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                     | <u>DATE</u> |
|-----------------|----------------------------------------|-------------|
| 01              | ADDITION OF PLAN E CONFIGURATION ..... | 11 22 85    |

### **FAIRCHILD 300 SA227-TT FLIGHT MANUAL 12,500 LB SECTION 7**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                             | <u>DATE</u> |
|-----------------|------------------------------------------------|-------------|
| 01              | OPERATING TIP REGARDING ENGINE FLAMEOUTS ..... | 06 24 88    |
| 02              | ACCOMMODATED SB227-61-006 .....                | 03 03 89    |
| 03              | REVISED DATA .....                             | 03 28 96    |
| 04              | REVISED DATA .....                             | 05 11 99    |
| 05              | ADDED ALTERNATE RUDDER GUST LOCK .....         | 11 06 03    |

### **FAIRCHILD 300 SA227-TT FLIGHT MANUAL 12,500 LB SECTION 8**

**DATED 10 31 85**

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

### **FAIRCHILD 300 SA227-TT FLIGHT MANUAL 12,500 LB SUPPLEMENTS**

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                        | <u>DATE</u> |
|----------------|---------------------------------------------------------------------------------------------------------------------------|-------------|
| UN             | IMPROVED NWS (IF INSTALLED PER SB 227-32-030) .....                                                                       | 12 12 91    |
| REV 01         | REVISED LIMITATIONS, EMERGENCY, ABNORMAL AND NORMAL<br>PROCEDURES, AND SYSTEMS DESCRIPTIONS .....                         | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034) .....                                                    | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 5 AND ADDED TWO PAGES ..... | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                      | 03 28 96    |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001) .....                                                             | 01 03 92    |
| UN             | AUTO/CONT IGNITION SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K82087) .....                               | 02 24 00    |
| REV 01         | REVISED PAGES 2 AND 8 .....                                                                                               | 12 12 02    |
| UN             | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                            | 03 05 08    |



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**METRO III SA227-AC FLIGHT MANUAL (ICAO) 14,500 LB (4AC) REISSUE B DATED 11 07 90**  
**[PNs: PAPER 27-10054-067 / ELECTRONIC 27-10054-222: INCLUDES ALL 227 ICAO AFM'S]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                   | <u>DATE</u> |
|-----------------|----------------------------------------------------------------------------------------------------------------------|-------------|
| B-01            | ADDED NEW PN AND NEW NAME OF BRAKE MANUFACTURER, CHANGED<br>NOTE ON MAXIMUM LOADS, REVISED EMERGENCY PROCEDURES..... | 12 06 91    |
| B-02            | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI .....                               | 03 29 94    |
| B-03            | REVISED SECTIONS 0 AND 2.....                                                                                        | 03 28 96    |
| B-04            | REVISED SECTIONS 0, 1 AND 2.....                                                                                     | 05 13 97    |
| B-05            | REVISED SECTIONS 0, 1, 2, 3A, AND 4E.....                                                                            | 11 18 97    |
| B-06            | REVISED SECTIONS 0, 1, 2, 3, AND 3A.....                                                                             | 05 19 99    |
| B-07            | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                                                             | 04 28 00    |
| B-08            | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                         | 06 02 00    |
| B-09            | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A.....                                                                       | 12 07 07    |
| B-10            | REVISED SECTION 3 .....                                                                                              | 05 28 08    |
| B-11            | REVISED SECTIONS 0 AND 3.....                                                                                        | 11 14 14    |

**METRO III SA227-AC FLIGHT MANUAL (ICAO) 14,500 LB SECTION 5 DATED 11 07 90**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                        | <u>DATE</u> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| B-01            | MODIFIED WEIGHT AND BALANCE DATA, CHANGED WEIGHT AND MOMENT ENVELOPE,<br>LISTED NEW NAME AND ADD PART NUMBER FOR BRAKE MANUFACTURER ..... | 12 06 91    |
| B-02            | REVISED DATA .....                                                                                                                        | 05 19 99    |

**METRO III SA227-AC FLIGHT MANUAL (ICAO) 14,500 LB SECTION 6 DATED 11 07 90**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                    | <u>DATE</u> |
|-----------------|---------------------------------------|-------------|
| B-01            | REVISED DATA .....                    | 03 28 96    |
| B-02            | REVISED DATA .....                    | 05 19 99    |
| B-03            | ADDED ALTERNATE RUDDER GUST LOCK..... | 11 06 03    |

**METRO III SA227-AC FLIGHT MANUAL (ICAO) 14,500 LB SUPPLEMENTS**

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                                    | <u>DATE</u> |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------|
| SUP B-01       | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                 | 11 07 90    |
| SUP B-02       | FLIGHT DATA RECORDER .....                                                                                                            | 11 07 90    |
| SUP B-03       | COCKPIT VOICE RECORDER .....                                                                                                          | 11 07 90    |
| SUP B-04       | OPERATION IN CANADA (CANADIAN REGISTRATION ONLY).....                                                                                 | 09 20 12    |
| REV B-01       | REVISED AND DELETED DATA .....                                                                                                        | 05 07 97    |
| UN             | IMPROVED NWS (IF INSTALLED PER SB 227-32-030) .....                                                                                   | 11 02 90    |
| REV 01         | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                        | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                 | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES .....             | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                                  | 03 28 96    |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                                          | 01 03 92    |
| UN             | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING 32-82034).....                                                               | 03 11 92    |
| REV 01         | PROVISIONS FOR INSTALLATION OF F1000 FDR WITH KIT DRAWING 27K82090 .....                                                              | 08 31 98    |
| REV 02         | CHANGED EFFECTIVITY ON KIT DRAWING 27K82090 TO INCLUDE SA227-BC AIRPLANES .....                                                       | 08 04 00    |
| UN             | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IN ACCORDANCE<br>WITH FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300) ..... | 07 09 92    |
| REV 01         | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS .....                                                                   | 11 05 92    |
| REV 02         | CHANGED AFT BAGGAGE COMPARTMENT LOAD .....                                                                                            | 06 14 93    |
| REV 03         | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5 .....                                        | 03 29 94    |
| UN             | ENTRANCE LIGHTS (WHEN MODIFIED PER SB 227-33-007).....                                                                                | 07 27 92    |

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| REV. NO. | DESCRIPTION                                                                                                                                                                           | DATE         |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UN       | SIX COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -81<br>INSTALLATION OF FAIRCHILD DRAWING 27-14005).....                                                                         | 09 24 92     |
| UN       | DUAL BLEED AIR FLOW CONTROL .....                                                                                                                                                     | 02 12 93     |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-23) .....                                                                                             | 03 18 93     |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-1/-19) .....                                                                                          | 03 22 93     |
| UN       | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                         | 05 07 96     |
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94     |
| UN       | FIVE-COMPARTMENT CARGO CONFIGURATION (27-14132-25) (FOR AIR-<br>PLANES WITHOUT SEAT TRACKS BUT WITH ADDITIONAL PAN FITTINGS) .....                                                    | 04 18 94     |
| UN       | FIVE CARGO NETS .....                                                                                                                                                                 | 04 21 95     |
| UN       | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                                                    | 05 04 95     |
| REV 01   | CHANGED NOTE ON PAGE 4 .....                                                                                                                                                          | 06 28 95     |
| REV 02   | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH.....                                                                                   | 07 15 96     |
| UN       | FAR 121 OPERATIONS.....                                                                                                                                                               | 03 12 97     |
| UN       | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                                                  | 11 26 99     |
| REV 01   | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                                                           | 08 30 00     |
| UN       | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD<br>AIRCRAFT DRAWING 27K14063) .....                                                                                           | 12 22 99     |
| UN       | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB 227-34-011 .....                               | (R) 08 04 05 |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                                                        | 03 05 08     |

**METRO III SA227-AC FLIGHT MANUAL (ICAO) 14,500 LB McCAULEY (4MC) REISSUE A DATED 05 22 89**  
**[PNs: PAPER 27-10054-065 / ELECTRONIC 27-10054-222; INCLUDES ALL 227 ICAO AFM'S]**

| REV. NO. | DESCRIPTION                                                                                                | DATE     |
|----------|------------------------------------------------------------------------------------------------------------|----------|
| A-01     | ADDED B.F. GOODRICH TIRES, NEW PN AND NEW NAME OF BRAKE<br>MANUFACTURER, REVISED EMERGENCY PROCEDURES..... | 12 06 91 |
| A-02     | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI .....                     | 03 29 94 |
| A-03     | REVISED SECTIONS 0, 1, 2, 3, 3A AND 4 .....                                                                | 10 17 94 |
| A-04     | REVISED SECTIONS 0 AND 2.....                                                                              | 03 28 96 |
| A-05     | REVISED SECTIONS 0, 1 AND 2.....                                                                           | 05 13 97 |
| A-06     | REVISED SECTIONS 0, 1, 2, AND 3A .....                                                                     | 11 18 97 |
| A-07     | REVISED SECTIONS 0, 1, 2, 3, AND 3A .....                                                                  | 05 21 99 |
| A-08     | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                                                   | 04 28 00 |
| A-09     | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                               | 06 02 00 |
| A-10     | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A.....                                                             | 12 07 07 |
| A-11     | REVISED SECTION 3 .....                                                                                    | 05 28 08 |
| A-12     | REVISED SECTIONS 0 AND 3.....                                                                              | 11 14 14 |

**METRO III SA227-AC FLIGHT MANUAL (ICAO) 14,500 LB McCAULEY SECTION 5 DATED 05 22 89**

| REV. NO. | DESCRIPTION                                                                                                                                                                               | DATE     |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| A-01     | MODIFIED WEIGHT ANG BALANCE DATA, ADDED INFORMATION FOR<br>ALLOWABLE WEIGHT PLACARDS, ADDED CARGO NET PN AND INFO ON<br>ANCRA SING STUD FITTINGS, CHANGED WEIGHT AND MOMENT ENVELOPE..... | 12 06 91 |
| A-02     | REVISED DATA .....                                                                                                                                                                        | 10 17 94 |
| A-03     | REVISED DATA .....                                                                                                                                                                        | 05 21 99 |

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### METRO III SA227-AC FLIGHT MANUAL (ICAO) 14,500 LB McCAULEY SECTION 6

DATED 05 22 89

| REV. NO. | DESCRIPTION                            | DATE     |
|----------|----------------------------------------|----------|
| A-01     | REVISED DATA .....                     | 10 17 94 |
| A-02     | REVISED DATA .....                     | 03 28 96 |
| A-03     | REVISED DATA .....                     | 05 21 99 |
| A-04     | ADDED ALTERNATE RUDDER GUST LOCK ..... | 11 06 03 |

### METRO III SA227-AC FLIGHT MANUAL (ICAO) 14,500 LB McCAULEY, SUPPLEMENTS

| SUP/REV  | DESCRIPTION                                                                                                                                                                           | DATE     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SUP A-01 | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                                                                 | 05 22 89 |
| SUP A-02 | OPERATION IN CANADA (CANADIAN REGISTRATION ONLY).....                                                                                                                                 | 09 20 12 |
| REV A-01 | REVISED AND DELETED DATA .....                                                                                                                                                        | 05 07 97 |
| SUP A-03 | FLIGHT DATA RECORDER.....                                                                                                                                                             | 05 22 89 |
| SUP A-04 | COCKPIT VOICE RECORDER .....                                                                                                                                                          | 05 22 89 |
| UN       | IMPROVED NWS (IF INSTALLED PER SB 227-32-030) .....                                                                                                                                   | 11 02 90 |
| REV 01   | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                                                        | 01 06 94 |
| REV 02   | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                                                                 | 03 29 94 |
| REV 03   | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES .....                                                             | 08 10 94 |
| REV 04   | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                                                                                  | 03 28 96 |
| UN       | TILLER NWS (IF INSTALLED PER SB 227-32-030) .....                                                                                                                                     | 11 02 90 |
| REV 01   | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                                                        | 01 06 94 |
| REV 02   | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                                                                 | 03 29 94 |
| REV 03   | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 5 AND ADDED TWO PAGES .....                                                             | 08 10 94 |
| REV 04   | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                                                                                  | 03 28 96 |
| UN       | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                                                                                          | 01 03 92 |
| UN       | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING 32-82034).....                                                                                                               | 03 11 92 |
| REV 01   | PROVISIONS FOR INSTALLATION OF F1000 FDR WITH KIT DRAWING 27K82090 .....                                                                                                              | 08 31 98 |
| REV 02   | CHANGED EFFECTIVITY ON KIT DRAWING 27K82090 TO INCLUDE SA227-BC AIRPLANES .....                                                                                                       | 08 04 00 |
| UN       | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IAW<br>FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300).....                                                                 | 07 09 92 |
| REV 01   | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS .....                                                                                                                   | 11 05 92 |
| REV 02   | CARGO AFT BAGGAGE COMPARTMENT LOAD .....                                                                                                                                              | 06 14 93 |
| REV 03   | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5 .....                                                                                        | 03 29 94 |
| UN       | ENTRANCE LIGHTS (WHEN MODIFIED PER SB 227-33-007).....                                                                                                                                | 07 27 92 |
| UN       | SIX COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -81<br>INSTALLATION OF FAIRCHILD DRAWING 27-14005).....                                                                         | 09 24 92 |
| UN       | DUAL BLEED AIR FLOW CONTROL .....                                                                                                                                                     | 02 12 93 |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-23).....                                                                                              | 03 18 93 |
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-1/-19).....                                                                                           | 03 22 93 |
| UN       | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                         | 05 07 96 |
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94 |
| UN       | FIVE-COMPARTMENT CARGO CONFIGURATION (27-14132-25) (FOR AIR-<br>PLANES WITHOUT SEAT TRACKS BUT WITH ADDITIONAL PAN FITTINGS) .....                                                    | 04 18 94 |
| UN       | FIVE CARGO NETS .....                                                                                                                                                                 | 04 21 95 |
| UN       | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                                                    | 05 04 95 |
| REV 01   | CHANGED NOTE ON PAGE 4 .....                                                                                                                                                          | 06 28 95 |



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| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                      | <u>DATE</u>  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| REV 02          | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH.....                                                     | 07 15 96     |
| UN              | FAR 121 OPERATIONS.....                                                                                                                                 | 03 12 97     |
| UN              | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                    | 11 26 99     |
| REV 01          | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                             | 08 30 00     |
| UN              | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD<br>AIRCRAFT DRAWING 27K14063) .....                                                             | 12 22 99     |
| UN              | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB 227-34-011 ..... | (R) 08 04 05 |
| UN              | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                          | 03 05 08     |

### **METRO III SA227-AC FLIGHT MANUAL (ICAO) 16,000 LB (8AC)**

**REISSUE A DATED 05 22 89**

**[PNs: PAPER 27-10054-063 / ELECTRONIC 27-10054-222; INCLUDES ALL 227 ICAO AFM'S]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                                                                                                               | <u>DATE</u> |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| A-01            | ADDED APPROVED BRAKES, CHANGED NOTE ON MAX LOADS FOR<br>BAGGAGE COMPARTMENTS, ADDED NOTES ON COOLING ENGINES,<br>REVISED EMERGENCY PROCEDURES, CHANGED SRL COMPUTER FAILURE<br>SECTION, ADDED FUEL VENTING AND EXHAUST EMISSIONS STATEMENT ..... | 03 18 92    |
| A-02            | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI .....                                                                                                                                                           | 03 29 94    |
| A-03            | CHANGED INFO ABOUT McCAULEY PROPELLERS, AND GENERATOR LOAD<br>FOR IN FLIGHT OPERATION .....                                                                                                                                                      | 08 12 94    |
| A-04            | REVISED SECTIONS 0 AND 4.....                                                                                                                                                                                                                    | 03 26 95    |
| A-05            | REVISED SECTIONS 0 AND 2.....                                                                                                                                                                                                                    | 03 28 96    |
| A-06            | REVISED SECTIONS 0, 1 AND 2.....                                                                                                                                                                                                                 | 05 13 97    |
| A-07            | REVISED SECTIONS 0, 1, 2 AND 4.....                                                                                                                                                                                                              | 04 17 97    |
| A-08            | REVISED SECTIONS 0, 1, 2, 3A, AND 4J .....                                                                                                                                                                                                       | 11 18 97    |
| A-09            | REVISED SECTIONS 0, 1, AND 4J.....                                                                                                                                                                                                               | 06 05 98    |
| A-10            | REVISED SECTIONS 0, 1, 2, 3, AND 3A .....                                                                                                                                                                                                        | 05 11 99    |
| A-11            | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                                                                                                                                                                                         | 04 28 00    |
| A-12            | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                                                                                                                                                     | 06 02 00    |
| A-13            | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A.....                                                                                                                                                                                                   | 12 07 07    |
| A-14            | REVISED SECTION 3 .....                                                                                                                                                                                                                          | 05 28 08    |
| A-15            | REVISED SECTIONS 0 AND 3.....                                                                                                                                                                                                                    | 12 09 14    |
| A-16            | REVISED SECTION 3A .....                                                                                                                                                                                                                         | 06 29 15    |

### **METRO III SA227-AC FLIGHT MANUAL (ICAO) 16,000 LB SECTION 5**

**DATED 05 22 89**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                                                                                             | <u>DATE</u> |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| A-01            | MODIFIED WEIGHT AND BALANCE DATA, CHANGED MAXIMUM LOAD INFO,<br>ADDED CARGO NET, ANCRA SINGLE STUD FITTINGS, CHANGED WEIGHT<br>AND BALANCE MOMENT ENVELOPE, AND LISTED NEW NAME AND PART<br>NUMBER FOR BRAKE MANUFACTURER..... | 03 18 92    |
| A-02            | REVISED DATA .....                                                                                                                                                                                                             | 05 11 99    |

### **METRO III SA227-AC FLIGHT MANUAL (ICAO) 16,000 LB SECTION 6**

**DATED 05 22 89**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                        | <u>DATE</u> |
|-----------------|-----------------------------------------------------------------------------------------------------------|-------------|
| A-01            | ADDED TABLES, CHANGED FIGURE NUMBERS, DELETED ITEM FROM LIST OF<br>EFFECTIVE PAGES, AND ADDED PAGES ..... | 05 02 95    |
| A-02            | REVISED DATA .....                                                                                        | 03 28 96    |
| A-03            | REVISED DATA .....                                                                                        | 05 11 99    |
| A-04            | ADDED ALTERNATE RUDDER GUST LOCK.....                                                                     | 11 06 03    |

**TECHNICAL PUBLICATIONS INDEX****METRO III SA227-AC FLIGHT MANUAL (ICAO) 16,000 LB SUPPLEMENTS**

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                                            | <u>DATE</u> |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| SUP A-01       | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                         | 05 22 89    |
| SUP A-02       | AC SYSTEM WITH THREE INVERTERS .....                                                                                                          | 05 22 89    |
| SUP A-03       | FLIGHT DATA RECORDER (FOR AC-670B ONLY) .....                                                                                                 | 05 22 89    |
| SUP A-04       | COCKPIT VOICE RECORDER (FOR AC-670B ONLY) .....                                                                                               | 05 22 89    |
| SUP A-05       | FLIGHT DATA RECORDER (FOR AC-692B ONLY) .....                                                                                                 | 05 22 89    |
| SUP A-06       | COCKPIT VOICE RECORDER (FOR AC-692B ONLY) .....                                                                                               | 05 22 89    |
| SUP A-07       | FLIGHT DATA RECORDER .....                                                                                                                    | 05 22 89    |
| SUP A-08       | COCKPIT VOICE RECORDER .....                                                                                                                  | 05 22 89    |
| SUP A-09       | OPERATION IN CANADA (CANADIAN REGISTRATION ONLY).....                                                                                         | 09 20 12    |
| REV A-01       | REVISED AND DELETED DATA .....                                                                                                                | 05 07 97    |
| SUP A-10       | 200 AMPERE ELECTRICAL SYSTEM .....                                                                                                            | 08 15 91    |
| SUP A-11       | 21-INCH DOWTY ROTOL PROPELLER BOOTS .....                                                                                                     | 07 23 91    |
| SUP A-12       | INCREASED ZERO FUEL AND LANDINGS WEIGHTS .....                                                                                                | 11 06 92    |
| SUP A-13       | AIRCRAFT BRAKING SYSTEM (ABS) ANTI-SKID/POWER BRAKE SYSTEM<br>(IF INSTALLED IAW FAIRCHILD DRAWING NUMBER 27-85211) .....                      | 08 12 94    |
| SUP A-14       | 14,500 POUNDS MTOW AIRCRAFT .....                                                                                                             | 11 01 94    |
| REV A-01       | REVISED PAGES 2, 3 AND 11 THRU 18 .....                                                                                                       | 12 19 94    |
| SUP A-15       | REDUCED VISCOSITY HYDRAULIC FLUID .....                                                                                                       | 12 19 94    |
| SUP A-16       | OPERATION WITH DUAL BLEED AIR FLOW CONTROL .....                                                                                              | 07 11 02    |
| UN             | IMPROVED NWS (IF INSTALLED PER SB 227-32-030) .....                                                                                           | 11 02 90    |
| REV 01         | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034) .....                                                                        | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES .....                     | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW SB 227-32-040) .....                                                            | 03 28 96    |
| UN             | TILLER NWS (IF INSTALLED PER SB 227-32-030) .....                                                                                             | 11 02 90    |
| REV 01         | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURERS DATA.....                                                | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034) .....                                                                        | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES .....                     | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW SB 227-32-040) .....                                                            | 03 28 96    |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001) .....                                                                                 | 01 03 92    |
| UN             | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING 32-82034) .....                                                                      | 03 11 92    |
| REV 01         | PROVISIONS FOR INSTALLATION OF F1000 FDR WITH KIT DRAWING 27K82090 .....                                                                      | 08 31 98    |
| REV 02         | CHANGED EFFECTIVITY ON KIT DRAWING 27K82090 TO INCLUDE SA227-BC AIRPLANES .....                                                               | 08 04 00    |
| UN             | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IAW<br>FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300).....                         | 07 09 92    |
| REV 01         | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS .....                                                                           | 11 05 92    |
| REV 02         | CHANGED AFT BAGGAGE COMPARTMENT LOAD .....                                                                                                    | 06 14 93    |
| REV 03         | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5 .....                                                | 03 29 94    |
| REV 04         | ADDED PLACARD.....                                                                                                                            | 04 27 94    |
| UN             | ENTRANCE LIGHTS (WHEN MODIFIED PER SB 227-33-007) .....                                                                                       | 07 27 92    |
| UN             | SIX COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER –81<br>INSTALLATION OF FAIRCHILD DRAWING 27-14005).....                                 | 09 24 92    |
| UN             | DUAL BLEED AIR FLOW CONTROL .....                                                                                                             | 02 12 93    |
| UN             | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-23).....                                                      | 03 18 93    |
| UN             | SIX-COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER<br>FAIRCHILD DWG 27-14132-1/-19).....                                                   | 03 22 93    |
| UN             | 5 CHANNEL FLIGHT DATA RECORDER .....                                                                                                          | 06 04 93    |
| UN             | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R) | 05 07 96    |



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| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                                              | <u>DATE</u>  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UN              | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107, SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94     |
| UN              | FIVE-COMPARTMENT CARGO CONFIGURATION (27-14132-25) (FOR AIRPLANES WITHOUT SEAT TRACKS BUT WITH ADDITIONAL PAN FITTINGS) .....                                                   | 04 18 94     |
| UN              | FIVE CARGO NETS .....                                                                                                                                                           | 04 21 95     |
| UN              | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                                              | 05 04 95     |
| REV 01          | CHANGED NOTE ON PAGE 4 .....                                                                                                                                                    | 06 28 95     |
| REV 02          | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED INFORMATION ABOUT ALTITUDE SWITCH.....                                                                                | 07 15 96     |
| UN              | FAR 121 OPERATIONS .....                                                                                                                                                        | 03 12 97     |
| UN              | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                                               | 11 26 99     |
| REV 01          | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                                                     | 08 30 00     |
| UN              | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27K14063) .....                                                                                        | 12 22 99     |
| UN              | SIX-COMPARTMENT CARGO CONFIGURATION (27K10002-5 INSTALLATION) (EFFECTIVITY : S/N'S 532B, 538B, 571B - 783B, AND 785B - 789B ONLY) .....                                         | 10 06 00     |
| UN              | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS) DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED PER M7 AEROSPACE SB 227-34-011 .....                               | (R) 08 04 05 |
| UN              | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                                                  | 03 05 08     |

### MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 14,500 LB (4AT)

REISSUE A DATED 11 30 88

[PNs: PAPER 27-10054-057 / ELECTRONIC 27-10054-222; INCLUDES ALL 227 ICAO AFM'S]

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                            | <u>DATE</u> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|-------------|
| A-01            | ACCOMMODATED SB 227-61-006 .....                                                                                              | 03 03 89    |
| A-02            | CHANGED INTERVAL FOR OVERSPEED GOVERNOR CHECK, ADDED B.F. GOODRICH TIRES, APPROVED BRAKES, REVISED EMERGENCY PROCEDURES ..... | 12 06 91    |
| A-03            | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT LIMITERS STEP IN BEFORE TAXI.....                                            | 03 29 94    |
| A-04            | REVISED SECTIONS 0 AND 4.....                                                                                                 | 03 28 96    |
| A-05            | REVISED SECTIONS 0, 2 AND 4.....                                                                                              | 05 13 97    |
| A-06            | REVISED SECTIONS 0, 2, 3A, AND 4 .....                                                                                        | 11 18 97    |
| A-07            | REVISED SECTIONS 0 AND 3.....                                                                                                 | 05 11 99    |
| A-08            | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 3 AND 4 .....                                                                      | 04 28 00    |
| A-09            | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                                  | 06 02 00    |
| A-10            | ADDED FUEL BALANCING TO SECTIONS 2 AND 3A.....                                                                                | 12 07 07    |
| A-11            | REVISED SECTION 3 .....                                                                                                       | 05 28 08    |
| A-12            | REVISED SECTIONS 0 AND 3.....                                                                                                 | 11 14 14    |

### MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 14,500 LB SECTION 6

DATED 11 30 88

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                             | <u>DATE</u> |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|-------------|
| A-01            | ADDED METRIC EQUIV, PLAN F, REVISED EXPEDITER LOADING .....                                                                    | 11 30 88    |
| A-02            | MODIFIED WEIGHT AND BALANCE DATA, CHANGED WEIGHT AND MOMENT ENVELOPE, LISTED NEW NAME AND ADDED PN FOR BRAKE MANUFACTURER..... | 12 06 91    |

### MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 14,500 LB SECTION 7

DATED 11 30 88

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                    | <u>DATE</u> |
|-----------------|-------------------------------------------------------|-------------|
| A-01            | ACCOMMODATED SB 227-61-006 .....                      | 03 03 89    |
| A-02            | CORRECTED EDITORIAL ERROR, CLARIFIED PROCEDURES ..... | 12 06 91    |
| A-03            | REVISED DATA .....                                    | 03 28 96    |
| A-04            | REVISED DATA .....                                    | 05 11 99    |
| A-05            | ADDED ALTERNATE RUDDER GUST LOCK.....                 | 11 06 03    |

## TECHNICAL PUBLICATIONS INDEX

**MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 14,500 LB SECTION 8**

**DATED 11 30 88**

| REV. NO. | DESCRIPTION | DATE |
|----------|-------------|------|
|----------|-------------|------|

**MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 14,500 LB SUPPLEMENTS**

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                                                                                    | <u>DATE</u> |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| SUP A-01       | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                                                                 | 11 30 88    |
| REV A-01       | ACCOMMODATED SB 227-61-006.....                                                                                                                                                       | 03 03 89    |
| SUP A-02       | McCAULEY PROPELLERS.....                                                                                                                                                              | RESERVED    |
| SUP A-03       | OPERATION IN CANADA (CANADIAN REGISTRATION ONLY).....                                                                                                                                 | 09 20 12    |
| REV A-01       | CORRECTED TOOL IDENTIFICATION .....                                                                                                                                                   | 03 03 89    |
| REV A-02       | REVISED AND DELETED DATA .....                                                                                                                                                        | 05 07 97    |
| SUP A-04       | FLIGHT DATA RECORDER.....                                                                                                                                                             | 11 30 88    |
| SUP A-05       | COCKPIT VOICE RECORDER .....                                                                                                                                                          | 11 30 88    |
| UN             | IMPROVED NWS (IF INSTALLED PER SB 227-32-030) .....                                                                                                                                   | 12 12 91    |
| REV 01         | REVISED LIMITATIONS, EMERGENCY, ABNORMAL AND NORMAL<br>PROCEDURES, AND SYSTEMS DESCRIPTION.....                                                                                       | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                                                                                 | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 5 AND ADDED TWO PAGES .....                                                             | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW SB 227-32-040) .....                                                                                                    | 03 28 96    |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                                                                                          | 01 03 92    |
| UN             | ENTRANCE LIGHTS (IF MODIFIED BY SB 227-33-007) .....                                                                                                                                  | 07 27 92    |
| UN             | SIX COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -75<br>INSTALLATION OF DWG. 27-14005).....                                                                                      | 08 05 92    |
| UN             | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                         | 05 07 96    |
| UN             | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94    |
| UN             | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                                                  | 11 26 99    |
| REV 01         | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                                                           | 08 30 00    |
| UN             | FLIGHT DATA RECORDER (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 32-82034 OR 27K82090).....                                                                                     | 12 22 99    |
| UN             | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT<br>DRAWING 27K14063) .....                                                                                           | 12 22 99    |
| UN             | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB 227-34-011..... (R)                            | 08 04 05    |
| UN             | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                                                        | 03 05 08    |

**MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 16,000 LB (8AT)**

**DATED 05 13 87**

**[PNs: PAPER 27-10054-055 / ELECTRONIC 27-10054-222; INCLUDES ALL 227 ICAO AFM'S]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                      | <u>DATE</u> |
|-----------------|-----------------------------------------------------------------------------------------|-------------|
| 01              | ACCOMMODATED SB 227-61-006.....                                                         | 03 03 89    |
| 02              | REVISED NORMAL, EMERGENCY, AND ABNORMAL PROCEDURES.<br>CORRECTED EDITORIAL ERRORS ..... | 01 26 93    |
| 03              | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT<br>LIMITERS STEP IN BEFORE TAXI .....  | 03 29 94    |
| 04              | REVISED SECTION 0 AND 4 .....                                                           | 03 28 96    |
| 05              | REVISED SECTIONS 0, 2 AND 4.....                                                        | 05 13 97    |
| 06              | REVISED SECTIONS 0, 2, 3A, AND 4 .....                                                  | 11 18 97    |
| 07              | REVISED SECTIONS 0 AND 3.....                                                           | 05 11 99    |
| 08              | REVISED SECTIONS 0 AND 5G.....                                                          | 11 26 99    |

## TECHNICAL PUBLICATIONS INDEX

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                           | <u>DATE</u> |
|-----------------|------------------------------------------------------------------------------|-------------|
| 09              | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 3 AND 4 .....                     | 04 28 00    |
| 10              | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 ..... | 06 02 00    |
| 11              | ADDED FUEL BALANCING TO SECTIONS 2 AND 3A.....                               | 12 07 07    |
| 12              | REVISED SECTION 3 .....                                                      | 05 28 08    |
| 13              | REVISED SECTIONS 0 AND 3.....                                                | 12 09 14    |

### MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 16,000 LB SECTION 6

DATED 05 13 87

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                  | <u>DATE</u> |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 01              | MODIFIED WEIGHT AND BALANCE DATA FIGURES 6-1 & 6-2, EXPANDED EXPEDITER<br>CARGO CONFIGURATION SECTION, CHANGED WEIGHT AND MOMENT ENVELOPE, ETC..... | 01 26 93    |

### MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 16,000 LB SECTION 7

DATED 05 13 87

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                     | <u>DATE</u> |
|-----------------|------------------------------------------------------------------------|-------------|
| 01              | METRIC UNITS, NOSE GR. FIG., PROP. DESCRIP., LOW OIL PRESS. ANNUN..... | 02 01 88    |
| 02              | ACCOMMODATED SB 227-61-006.....                                        | 03 03 89    |
| 03              | CORRECTED EDITORIAL ERRORS .....                                       | 01 26 93    |
| 04              | REVISED DATA .....                                                     | 03 28 96    |
| 05              | REVISED DATA .....                                                     | 05 11 99    |
| 06              | ADDED ALTERNATE RUDDER GUST LOCK.....                                  | 11 06 03    |

### MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 16,000 LB SECTION 8

DATED 05 13 87

| <u>REV. NO.</u> | <u>DESCRIPTION</u>             | <u>DATE</u> |
|-----------------|--------------------------------|-------------|
| 01              | CORRECTED EDITORIAL ERROR..... | 01 26 93    |

### MERLIN IVC SA227-AT FLIGHT MANUAL (ICAO) 16,000 LB SUPPLEMENTS

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                        | <u>DATE</u> |
|----------------|---------------------------------------------------------------------------------------------------------------------------|-------------|
| SUP 01         | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                     | 05 13 87    |
| REV 01         | ACCOMMODATED SB 227-61-006.....                                                                                           | 03 03 89    |
| SUP 02         | FLIGHT DATA RECORDER (FOR AT-440B ONLY).....                                                                              | 06 17 88    |
| SUP 03         | COCKPIT VOICE RECORDER (FOR AT-440B ONLY) .....                                                                           | 06 17 88    |
| SUP 04         | FLIGHT DATA RECORDER.....                                                                                                 | 08 03 88    |
| SUP 05         | COCKPIT VOICE RECORDER .....                                                                                              | 08 03 88    |
| REV 01         | ADDED CVR MODEL A100A & OPT UNDERWATER LOCATOR BEACON.....                                                                | 12 07 88    |
| SUP 06         | OPERATION IN CANADA (CANADIAN REGISTRATION ONLY).....                                                                     | 09 20 12    |
| REV 01         | REVISED AND DELETED DATA .....                                                                                            | 05 07 97    |
| UN             | IMPROVED NWS (IF INSTALLED PER SB 227-32-030).....                                                                        | 12 12 91    |
| REV 01         | REVISED LIMITATIONS, EMERGENCY, ABNORMAL AND NORMAL<br>PROCEDURES, AND SYSTEMS DESCRIPTION.....                           | 01 06 94    |
| REV 02         | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034).....                                                     | 03 29 94    |
| REV 03         | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 5 AND ADDED TWO PAGES ..... | 08 10 94    |
| REV 04         | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW S.B. 227-32-040) .....                                      | 03 28 96    |
| UN             | COCKPIT VOICE RECORDER (IF INSTALLED PER SB 227-23-001).....                                                              | 01 03 92    |
| UN             | ENTRANCE LIGHTS (IF MODIFIED BY SB 227-33-007) .....                                                                      | 07 27 92    |
| UN             | SIX COMPARTMENT CARGO CONFIGURATION (IF INSTALLED PER -75<br>INSTALLATION OF DWG. 27-14005).....                          | 08 05 92    |

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                                                    | <u>DATE</u> |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| UN              | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                         | 05 07 96    |
| UN              | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94    |



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|        |                                                                                                                                                   |              |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UN     | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27K82795).....                                                 | 11 26 99     |
| REV 01 | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                       | 08 30 00     |
| UN     | FLIGHT DATA RECORDER (WHEN INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 32-82034 OR 27K82090).....                                                    | 12 22 99     |
| UN     | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27K14063 .....                                                           | 12 22 99     |
| UN     | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS) DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED PER M7 AEROSPACE SB 227-34-011 ..... | (R) 08 04 05 |
| UN     | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                    | 03 05 08     |

### SA227-BC FLIGHT MANUAL 16,000 LB (6BC)

**DATED 09 25 89**

**[PNs: PAPER 27-10054-075 / ELECTRONIC 27-10054-220: INCLUDES ALL 227 DOMESTIC AFM'S]**

| REV. NO. | DESCRIPTION                                                                                                           | DATE     |
|----------|-----------------------------------------------------------------------------------------------------------------------|----------|
| 01       | NTS SYS CHECK, FIRST SEG CLIMB, WET LIMITATIONS CHANGES .....                                                         | 02 08 90 |
| 02       | TACHOMETER MARKINGS .....                                                                                             | 05 17 90 |
| 03       | HIGH/LOW BLEED AIR PROCEDURES .....                                                                                   | 07 10 90 |
| 04       | FUEL VENTING AND EXHAUST EMISSIONS, FLYOVER NOISE LEVELS, MAX LOADS, FWD AND AFT BAGGAGE COMP .....                   | 04 22 91 |
| 05       | -3 AND -7 SRL COMPUTERS .....                                                                                         | 03 28 91 |
| 06       | -12UAR ENGINE/CAWI, TAKEOFF WITH CAWI.....                                                                            | 07 09 91 |
| 07       | ADDED BRAKE PN, NOTES ON COOLING ENGINES AND REVISED EMERGENCY PROCEDURES.....                                        | 12 06 91 |
| 08       | CHANGED BLADE ANGLE INFO FOR THE PROPELLERS, AND ADDED APPROVED TIRE .....                                            | 07 28 92 |
| 09       | CHANGED INSTRUMENT MARKINGS, NOTE IN MAX WGTS, NTS SYS REF .....                                                      | 12 21 92 |
| 10       | NEW ENG DESIGNATION FOR -10 SRL COMPUTER, ADDED NEW TIRE .....                                                        | 03 18 93 |
| 11       | CHANGED BATTERY OVERHEAT WARNING SYSTEM, CURRENT LIMITERS STEP IN BEFORE TAXI .....                                   | 03 29 94 |
| 12       | REVISED SECTIONS 0, 1, 2, 3 AND 3A .....                                                                              | 06 29 95 |
| 13       | REVISED SECTIONS 0 AND 2.....                                                                                         | 03 28 96 |
| 14       | REVISED SECTIONS 0, 1 AND 2.....                                                                                      | 05 13 97 |
| 15       | REVISED SECTIONS 0, 1, 2, AND 3A .....                                                                                | 11 18 97 |
| 16       | REVISED SECTIONS 0, 1, 2, 3, AND 3A .....                                                                             | 05 11 99 |
| 17       | ADDED OUT-OF-TRIM WARNING INFO TO SECTIONS 2 AND 3 .....                                                              | 04 28 00 |
| 18       | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                          | 06 02 00 |
| 19       | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A.....                                                                        | 12 07 07 |
| 20       | REVISED SECTION 3 .....                                                                                               | 05 28 08 |
| 21       | REVISED SECTIONS 0 AND 3.....                                                                                         | 12 09 14 |
| 22       | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND ADDED L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE..... | 07 27 20 |

### SA227-BC FLIGHT MANUAL 16,000 LB SECTION 5

**DATED 09 25 89**

| REV. NO. | DESCRIPTION                                                                                                                                                                              | DATE     |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 01       | EQUIPMENT LIST WEIGHTS .....                                                                                                                                                             | 02 08 90 |
| 02       | CARGO NET PN, ANCRA, WEIGHT & BALANCE DATA MODIFICATIONS.....                                                                                                                            | 07 09 91 |
| 03       | ADDED BRAKE PN TO EQUIPMENT LIST.....                                                                                                                                                    | 12 06 91 |
| 04       | CORRECTED FIGURES, ADDED OPTIONAL 19 PLACE CABIN DIAGRAM, CHANGED WEIGHT AND MOMENT ENVELOPE, CHANGE PAYLOAD MOMENT TABLE FOR AFT BAGGAGE COMPARTMENT, AND CORRECTED EQUIPMENT LIST..... | 07 28 92 |
| 05       | NEW ENGINE DESIGNATION FOR -10 SRL, ADDED NEW TIRE.....                                                                                                                                  | 03 18 93 |
| 06       | REVISED DATA .....                                                                                                                                                                       | 06 29 95 |
| 07       | REVISED DATA .....                                                                                                                                                                       | 05 11 99 |

### SA227-BC FLIGHT MANUAL 16,000 LB SECTION 6

**DATED 09 25 89**

| REV. NO. | DESCRIPTION                                             | DATE     |
|----------|---------------------------------------------------------|----------|
| 01       | TWO LEVEL BLEED AIR SYSTEM .....                        | 02 08 90 |
| 02       | CHANGED COCKPIT VOICE RECORDER DATA.....                | 07 09 91 |
| 03       | NEW ENGINE DESIGNATION FOR -10 SRL, ADDED NEW TIRE..... | 03 18 93 |



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## TECHNICAL PUBLICATIONS INDEX

| REV. NO. | DESCRIPTION                            | DATE     |
|----------|----------------------------------------|----------|
| 04       | REVISED DATA .....                     | 06 29 95 |
| 05       | REVISED DATA .....                     | 03 28 96 |
| 06       | REVISED DATA .....                     | 05 11 99 |
| 07       | ADDED ALTERNATE RUDDER GUST LOCK ..... | 11 06 03 |

### SA227-BC FLIGHT MANUAL 16,000 LB SUPPLEMENTS

| REV. NO. | DESCRIPTION                                                                                                                                                                                                  | DATE         |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| SUP 01   | TAKEOFF WITH SRL OFF/INOPERATIVE .....                                                                                                                                                                       | 12 04 89     |
| REV 01   | SUP ONLY APPLIES TO -3 SRL COMPUTERS .....                                                                                                                                                                   | 03 28 91     |
| REV 02   | PROVIDED FOR OPERATION WITH -7 OR -8 SRL COMPUTERS .....                                                                                                                                                     | 06 19 92     |
| REV 03   | CHANGED PROCEDURES IN BEFORE STARTING ENGINES TO INCLUDE USE OF<br>TAKEOFF POWER CHECK CHART, CHANGED NOTE UNDER POWER LEVERS IN<br>TAKEOFF - DRY AND CHANGED SUPPLEMENT TO APPLY TO -10 SRL COMPUTERS ..... | 05 24 93     |
| SUP 02   | C-26A CONFIGURATION (C-26A AIRCRAFT ONLY) .....                                                                                                                                                              | 07 10 90     |
| REV 01   | COMPLETE REISSUE OF SUPPLEMENT .....                                                                                                                                                                         | 02 11 92     |
| REV 02   | ADDED CARGO NET PART NUMBER .....                                                                                                                                                                            | 07 28 92     |
| SUP 04   | IMPROVED NOSE WHEEL STEERING SYSTEM (IF INSTALLED PER S.B. 32-030) .....                                                                                                                                     | 02 26 93     |
| REV 01   | REVISED LIMITATIONS, NORMAL, EMERGENCY AND ABNORMAL<br>PROCEDURES, AND MANUFACTURER'S DATA .....                                                                                                             | 01 06 94     |
| REV 02   | ADDED ITEM 4 TO NOSE WHEEL STEERING (MODIFIED IAW SB 227-32-034) .....                                                                                                                                       | 03 29 94     |
| REV 03   | CHANGED NOSE WHEEL STEERING LIMITATIONS, MOVED TEXT TO<br>FOLLOW ON PAGES, SPLIT NOTE ON PAGE 8 AND ADDED TWO PAGES .....                                                                                    | 08 10 94     |
| REV 04   | CHANGED NOSE WHEEL STEERING INFORMATION<br>(WHEN MODIFIED IAW SB 227-32-040) .....                                                                                                                           | 03 28 96     |
| UN       | FLIGHT DATA RECORDER (IF INSTALLED IAW FAIRCHILD DRAWING 32-82034) .....                                                                                                                                     | 03 11 92     |
| REV 01   | PROVISIONS FOR INSTALLATION OF F1000 FDR WITH KIT DRAWING 27K82090 .....                                                                                                                                     | 08 31 98     |
| REV 02   | CHANGED EFFECTIVITY ON KIT DRAWING 27K82090 TO INCLUDE SA227-BC AIRPLANES .....                                                                                                                              | 08 04 00     |
| UN       | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IN ACCORDANCE WITH<br>FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300) .....                                                                        | 07 09 92     |
| REV 01   | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS .....                                                                                                                                          | 11 05 92     |
| REV 02   | CHANGED AFT BAGGAGE COMPARTMENT LOAD .....                                                                                                                                                                   | 06 14 93     |
| REV 03   | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5 .....                                                                                                               | 03 29 94     |
| REV 04   | ADDED PLACARDS .....                                                                                                                                                                                         | 04 27 94     |
| UN       | ENTRANCE LIGHTS (IF MODIFIED BY SB 227-33-007) .....                                                                                                                                                         | 07 27 92     |
| UN       | SIX COMPARTMENT CARGO CONFIGURATION (IF INSTALLED BY -81<br>INSTALLATION OF FAIRCHILD DRAWING 27-14005) .....                                                                                                | 09 24 92     |
| UN       | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105) .....                                                                   | (R) 05 07 96 |
| UN       | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002) .....                       | 04 13 94     |
| UN       | FIVE CARGO NETS .....                                                                                                                                                                                        | 04 21 95     |
| UN       | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                                                                           | 05 04 95     |
| REV 01   | CHANGED NOTE ON PAGE 4 .....                                                                                                                                                                                 | 06 28 95     |
| REV 02   | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH .....                                                                                                         | 07 15 96     |
| UN       | FAR 121 OPERATIONS .....                                                                                                                                                                                     | 03 12 97     |
| UN       | EMERGENCY LOCATOR TRANSMITTER (ELT) (WHEN INSTALLED PER<br>FAIRCHILD AIRCRAFT DRAWING 27K82795) .....                                                                                                        | 11 26 99     |
| REV 01   | CORRECTED SECOND FREQUENCY NUMBER FROM 234.0 TO 243.0 .....                                                                                                                                                  | 08 30 00     |
| UN       | PITOT HEAT WARNING SYSTEM (WHEN INSTALLED PER FAIRCHILD<br>AIRCRAFT DRAWING 27K14063) .....                                                                                                                  | 12 22 99     |

## TECHNICAL PUBLICATIONS INDEX

| REV. NO. | DESCRIPTION                                                                                                                                             | DATE         |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UN       | SIX-COMPARTMENT CARGO CONFIGURATION (27K10002-5 INSTALLATION)<br>(EFFECTIVITY : S/N'S 532B, 538B, 571B - 783B, AND 785B - 789B ONLY) .....              | 10 06 00     |
| UN       | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB 227-34-011 ..... | (R) 08 04 05 |
| UN       | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                          | 03 05 08     |

**SA227 SERIES AIRFRAME AIRWORTHINESS LIMITATIONS MANUAL ST-UN-M001** **REISSUE C 01 18 91**  
**[PNs: PAPER 27-10054-087; INCLUDED WITH 27-10054-083, 27-10054-085 AND 27-10054-213 / ELECTRONIC 27-10054-226, INSPECTION MANUAL SET; INCLUDES ST-UN-M001, SUPPLEMENTAL INSPECTION DOCUMENT, LETTER CHECK AND PHASE INSPECTION]**

| REV. NO. | DESCRIPTION                                                                                                           | DATE     |
|----------|-----------------------------------------------------------------------------------------------------------------------|----------|
| C-12     | REVISED PAGES i, v, 3, AND 14-71 .....                                                                                | 04 25 12 |
| TR-001   | CLARIFIED DOOR LATCH INSPECTION REQUIREMENTS. INCLUDED ALL POTENTIALLY<br>INSTALLED LATCH ASSEMBLY PART NUMBERS. .... | 11 17 14 |
| TR-006   | UPDATES SUPPLEMENT A, SYSTEM INSPECTIONS AND LIFE LIMITS .....                                                        | 06 15 21 |

**SA226/SA227 SERIES SUPPLEMENTAL INSPECTION DOCUMENT (SID)** **INITIAL ISSUE 09 27 99**  
**[PNs: PAPER 27-10054-213; INCLUDED WITH 27-10054-083, 27-10054-085 AND 27-10054-087 / ELECTRONIC 27-10054-226, INSPECTION MANUAL SET; INCLUDES ST-UN-M001, SUPPLEMENTAL INSPECTION DOCUMENT, LETTER CHECK, AND PHASE INSPECTION]**

| REV. NO. | DESCRIPTION                 | DATE     |
|----------|-----------------------------|----------|
| F        | REVISED DATA .....          | 05 01 12 |
| TR-002   | APPENDIX C, PG 9 OF 14..... | 05 18 15 |

**SA226/SA227 FIELD MAINTENANCE PROCEDURES (FMP) 57-011 EDDY-CURRENT** **INITIAL ISSUE 09 06 96**  
**INSPECTION PROCEDURES. B.L. 9 (INCLUDED IN SUPPLEMENTAL INSPECTION DOCUMENT (SID))**

| REV. NO. | DESCRIPTION                 | DATE     |
|----------|-----------------------------|----------|
| 02       | REVISED DATA .....          | 08 12 04 |
| TR-002   | APPENDIX C, PG 9 OF 14..... | 05 18 15 |

**SA227 SERIES MERLIN/METRO AIRCRAFT SERVICING AND RECOVERY MANUAL** **REISSUE B SEP 97**  
**[PNs: PAPER 27-10054-081 / INCLUDED ON ELECTRONIC 27-10054-220 AND 27-10054-222]SA227 SERIES**

| REV. NO. | DESCRIPTION | DATE |
|----------|-------------|------|
|----------|-------------|------|

**SA227 SERIES MAINTENANCE MANUAL** **INITIAL ISSUE 04 01 81**  
**[PNs: PAPER 27-10054-095 / ELECTRONIC 27-10054-096; INCLUDES 27-10054-078]**

| REV. NO. | DESCRIPTION                                               | DATE     |
|----------|-----------------------------------------------------------|----------|
| 145      | CHANGED RUDDER BELLCRANK ATTACHMENT INSTRUCTIONS.....     | 09 22 25 |
|          | UPDATED INSTRUCTIONS FOR PASSENGER DOOR INSTALLATION..... | 09 22 25 |
|          | CORRECTED ENGINE POWER LEVER CABLE RIGGING STEPS.....     | 09 22 25 |

**SA227 SERIES ILLUSTRATED PARTS CATALOG** **INITIAL ISSUE 04 01 81**  
**[PNs: PAPER 27-10054-093 / ELECTRONIC 27-10054-094]**

| REV. NO. | DESCRIPTION                                             | DATE     |
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| 035    | INSPECTION/REPLACEMENT OF (31 PSI) PNEUMATIC PRESSURE REGULATOR<br>FOR INCORRECT INLET/OUTLET PORT ORIENTATION .....                         | 11 24 98     |
| 036    | LIFE PRESERVER WITH LOCATOR LIGHT FOR FAR, PART 121.2 AND 121.340<br>REQUIREMENT.....                                                        | 12 04 98     |
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| 038    | BF GOODRICH PN 74-451-AC EROSION REPAIR KIT,<br>FOR WING AND TAIL DE-ICE BOOTS .....                                                         | 08 25 99     |
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| 040    | NOT ISSUED                                                                                                                                   |              |
| 041    | INSPECTION OF PRIMARY FLIGHT CONTROL CABLE TERMINALS FOR<br>CRACKS/PITTING CORROSION.....                                                    | 05 29 01     |
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| 044    | INSPECTION OF MAIN LANDING GEAR (MLG) TRUNNION BUSHING, PN 27-51009,<br>ATTACHING HARDWARE FOR LOOSENESS ..... 03                                                                                                                                                                                                                            | 27 03    |
| 045    | INSPECT FOR POSSIBLE CRACKS IN LH/RH FUSELAGE STATION (F.S.) 272 AND 276 FOR<br>FORWARD SPAR, F.S. 308 AND 311 FOR AFT SPAR ON AT/TC MODEL AIRPLANES OR<br>F.S. 169 AND 173 FOR MAIN SPAR, F.S. 205 AND 208 FOR AFT SPAR ON TT/TT300 MODEL<br>AIRPLANES, LOWER BELT FRAMES AND NESTED CHANNELS AT LH/RH STRINGER 10A<br>FEEDTHROUGH ..... 06 | 10 03    |
| 046    | INSPECT FOR CRACKS AND/OR BULGES OF LEFT HAND/RIGHT HAND,<br>INBOARD/OUTBOARD, KEELSON WEB SKIN AT NACELLE STATION (N.S.) 141.69..... 06                                                                                                                                                                                                     | 10 03    |
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REISSUE 03 07 16

[SERVICE INFORMATION INCLUDES: BULLETINS, LETTERS, AND NOTES -

PNs: PAPER 27-10054-089 / ELECTRONIC 27-10054-090]

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| 070    | NOT ISSUED                                                                                              |              |
| 071    | TPE331-11U MAXIMUM POWER FLIGHT CHECK .....                                                             | 01 17 90     |
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| 073    | FUEL SHUTOFF BELLCRANK.....                                                                             | 11 16 90     |
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| 076    | FLIGHT CONTROL CABLE MATERIAL.....                                                                      | 10 18 91     |
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| 086    | BATTERY BOX HYDRAULIC LINE CLEAR TUBING (PN 3028) REMOVAL .....                                         | 07 05 94     |
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### SA227 COMMUTER CATEGORY (CC/DC)

#### SA227-CC/DC CONFIGURATION DEVIATION LIST

**DATED 10 17 94**

[INCLUDED WITH APPLICABLE PAPER AFM / INCLUDED ON ELECTRONIC PN 27-10054-224]

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

#### SA227-CC FLIGHT MANUAL 16,500 LB (6CC)

**DATED 12 11 92**

[PNs: PAPER 27-10054-117 / ELECTRONIC 27-10054-224; INCLUDES ALL CC/DC AFMs]

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                                                                                                                                                                                              | <u>DATE</u> |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 01              | CHANGED NOSE WHEEL STEERING LIMITATIONS .....                                                                                                                                                                                                                                                                                   | 04 02 93    |
| 02              | ADDED TOTAL OIL QUANTITY, CHANGED BATTERY OVERHEAT WARNING<br>SYSTEM INFORMATION, ADDED NEW APPROVED TIRE, FIGURE REFERENCES<br>IN OPERATING WEIGHTS, ADDED PART "J" TO PERFORMANCE SECTION .....                                                                                                                               | 06 03 93    |
| 03              | CHANGED NWS LIMITATIONS AND CORRECTED METRIC SCALE ON FIG. 4G-4,<br>CORRECTED EDITORIAL ERRORS, MODIFIED DURING TAXI SECTION .....                                                                                                                                                                                              | 09 01 93    |
| 04              | CHANGED NOTE ABOUT USE OF GENERATORS, CHANGED INSTRUMENT<br>MARKINGS FOR EGT, ADDED ITEM 4 TO NOSE WHEEL STEERING (S/N CC-843<br>AND UP OR MODIFIED IAW SB CC7-32-003) CHANGED OPS IN ICING<br>CONDITIONS, ADDED DEFINITION FOR STOPWAY, CHANGED DEFINITIONS<br>FOR CLEARWAY AND TAKEOFF RUN AND CORRECT EDITORIAL ERRORS ..... | 03 29 94    |
| 05              | CHANGED NOSE WHEEL STEERING LIMITATIONS AND SPLIT NOTE ON PAGE 3A-11 .....                                                                                                                                                                                                                                                      | 08 10 94    |
| 06              | REVISED SECTIONS 0 AND 1 .....                                                                                                                                                                                                                                                                                                  | 10 17 94    |
| 07              | REVISED SECTIONS 0, 1, 2 AND 3 .....                                                                                                                                                                                                                                                                                            | 03 28 95    |
| 08              | REVISED SECTIONS 0 AND 4 .....                                                                                                                                                                                                                                                                                                  | 03 26 95    |
| 09              | REVISED SECTIONS 0, 1 AND 2 .....                                                                                                                                                                                                                                                                                               | 03 28 96    |
| 10              | REVISED SECTIONS 0, 2, 3, AND 3A .....                                                                                                                                                                                                                                                                                          | 12 02 97    |
| 11              | REVISED SECTIONS 0, 1 AND 4 .....                                                                                                                                                                                                                                                                                               | 11 20 96    |
| 12              | ADDED UNCOMMANDED ENGINE ACCELERATION INFO AND MANUAL GROUND<br>START PROCEDURES TO SECTIONS 3 AND 3A .....                                                                                                                                                                                                                     | 04 28 00    |
| 13              | REVISED SECTIONS 0, 1, 2, 3, AND 3A .....                                                                                                                                                                                                                                                                                       | 06 03 99    |
| 14              | REVISED SECTIONS 0, 2, AND 3 .....                                                                                                                                                                                                                                                                                              | 02 29 00    |
| 15              | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                                                                                                                                                                                                                                    | 06 02 00    |
| 16              | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A .....                                                                                                                                                                                                                                                                                 | 12 07 07    |
| 17              | REVISED SECTIONS 0 AND 3 .....                                                                                                                                                                                                                                                                                                  | 12 09 14    |
| 18              | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE .....                                                                                                                                                                                                             | 07 27 20    |

#### SA227-CC FLIGHT MANUAL 16,500 LB SECTION 5

**DATED 12 11 92**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                           | <u>DATE</u> |
|-----------------|----------------------------------------------|-------------|
| 01              | ADDED AVIATOR TIRE TO EQUIPMENT LIST .....   | 06 03 93    |
| 02              | ADDED ABS NOSE WHEEL TO EQUIPMENT LIST ..... | 11 17 93    |
| 03              | REVISED DATA .....                           | 07 18 95    |
| 04              | ADDED AND REVISED DATA .....                 | 05 26 00    |
| 05              | DELETED AND CORRECTED DATA .....             | 08 29 00    |

#### SA227-CC FLIGHT MANUAL 16,500 LB SECTION 6

**DATED 12 11 92**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                                        | <u>DATE</u> |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 01              | CHANGED ENGINE POWER CHECK CHART - MCP, INFORMATION ABOUT LANDING<br>GEAR WARNING SYSTEM, ADDED TOTAL OIL SYSTEM CAPACITY, ETC .....                                      | 06 03 93    |
| 02              | CHANGED INFORMATION ON NWS FAIL LIGHT AND NORMAL STEERING<br>OPERATIONS FOR VARIABLE AUTHORITY NOSE WHEEL STEERING AND<br>TILLER NOSE WHEEL STEERING .....                | 09 01 93    |
| 03              | CHANGED INFORMATION ABOUT NWS FAIL LIGHT FOR TILLER NOSE WHEEL<br>STEERING AND CHANGED NOTE FOR OPERATIONS WITH STANDING WATER,<br>SLUSH, OR WET SNOW ON THE RUNWAY ..... | 03 29 94    |
| 04              | REVISED DC POWER DISTRIBUTION SYSTEM .....                                                                                                                                | 03 28 95    |
| 05              | ADDED TABLES AND PAGES .....                                                                                                                                              | 05 02 95    |
| 06              | REVISED DATA .....                                                                                                                                                        | 03 28 96    |

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| REV. NO. | DESCRIPTION                                 | DATE     |
|----------|---------------------------------------------|----------|
| 07       | REVISED DATA .....                          | 12 02 97 |
| 08       | REVISED DATA .....                          | 11 20 96 |
| 09       | REVISED DATA .....                          | 06 03 99 |
| 10       | ADDED UNCOMMANDED ENGINE ACCELERATION ..... | 04 28 00 |
| 11       | ADDED ALTERNATE RUDDER GUST LOCK .....      | 11 06 03 |

### SA227-CC FLIGHT MANUAL 16,500 LB SUPPLEMENTS

| SUP/REV | DESCRIPTION                                                                                                                                                                           | DATE         |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| SUP 01  | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                                                                 | 12 11 92     |
| REV 01  | CHANGED PROCEDURES IN BEFORE STARTING ENGINES TO INCLUDE<br>USE OF TAKEOFF POWER CHECK CHART AND CHANGED NOTE UNDER<br>POWER LEVERS IN TAKEOFF-DRY .....                              | 05 24 93     |
| SUP 02  | OPERATION IN CANADA (CANADIAN REGISTRATION ONLY).....                                                                                                                                 | 06 01 93     |
| REV 01  | ADDED PASSENGER BRIEFING TO NORMAL PROCEDURES SECTION.....                                                                                                                            | 09 03 93     |
| REV 02  | REVISED AND DELETED DATA .....                                                                                                                                                        | 05 07 97     |
| SUP 03  | AIRCRAFT BRAKING SYSTEMS (ABS) ANTI-SKID/POWER BRAKE SYSTEM<br>(IF INSTALLED IAW FAIRCHILD AIRCRAFT DRAWING NUMBER 27-85211) .....                                                    | 06 27 94     |
| SUP 04  | MINIMUM CAWI FLUID QUANTITY FOR SINGLE ENGINE TAKEOFF WITH<br>CONTINUOUS ALCOHOL WATER INJECTION .....                                                                                | 05 15 95     |
| REV 01  | DELETED NOTE 12 REGARDING WHITE RADIAL LINES FROM FIGURE 3 ON PAGE 8.....                                                                                                             | 08 10 20     |
| SUP 05  | REDUCED VISCOSITY HYDRAULIC FLUID .....                                                                                                                                               | 11 23 94     |
| UN      | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IAW<br>WITH FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300) .....                                                           | 07 09 92     |
| REV 01  | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS .....                                                                                                                   | 11 05 92     |
| REV 02  | CHANGED AFT BAGGAGE COMPARTMENT LOAD .....                                                                                                                                            | 06 14 93     |
| REV 03  | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5 .....                                                                                        | 03 29 94     |
| REV 04  | ADDED PLACARD.....                                                                                                                                                                    | 04 27 94     |
| UN      | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105) .....                                             | (R) 05 07 96 |
| UN      | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94     |
| UN      | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                                                    | 05 04 95     |
| REV 01  | CHANGED NOTE ON PAGE 4 .....                                                                                                                                                          | 06 28 95     |
| REV 02  | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH .....                                                                                  | 07 15 96     |
| UN      | BENDIX/KING CAS 66A TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM WITH CP 66B CONTROL PANEL .....                                                                            | 10 29 96     |
| UN      | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB CC7-34-008 .....                               | (R) 08 04 05 |
| UN      | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                                                        | 03 05 08     |

### SA227-CC PILOT'S FLIGHT CHECKLIST (6CC)

**DATED 03 05 93**

**[PNs: PAPER 27-10054-115 / ELECTRONIC 27-10054-224: INCLUDES ALL CC/DC AFMs]**

| REV. NO. | DESCRIPTION                                                                  | DATE     |
|----------|------------------------------------------------------------------------------|----------|
| 01       | REVISED SECTIONS N AND AB .....                                              | 03 28 95 |
| 02       | REVISED SECTIONS i, E, AND AB.....                                           | 12 02 97 |
| 03       | REVISED SECTIONS i, N, E, AND AB .....                                       | 05 11 99 |
| 04       | REVISED SECTIONS i, N, AND E.....                                            | 02 29 00 |
| 05       | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 ..... | 06 02 00 |
| 06       | ADDED FUEL BALANCING TO ABNORMAL PROCEDURES.....                             | 12 07 07 |



Ontic Engineering and Manufacturing, Inc

## TECHNICAL PUBLICATIONS INDEX

**SA227-DC FLIGHT MANUAL 16,500 LB (6DC)**

**DATED 08 23 91**

**[PNs: PAPER 27-10054-113 / ELECTRONIC 27-10054-224; INCLUDES ALL CC/DC AFMs]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                                                                                                                                                                                                                                             | <u>DATE</u> |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 01              | ADDED CAWI AND RESERVE POWER, CORRECTED FIGURE REFERENCE NUMBERS, CHANGED POWER SETTING FOR SINGLE ENGINE GO AROUND .....                                                                                                                                                                                                                      | 11 15 91    |
| 02              | ADDED WET PERFORMANCE SECTION, CHANGED FDR AND CVR PROCEDURES, MADE EDITORIAL CHANGES.....                                                                                                                                                                                                                                                     | 12 31 91    |
| 03              | ADDED MCCAULEY PROP ASSY NUMBERS, CHANGED PROP BLADE ANGLES, PROP REVERSING WARNING AND CHANGED SRL COMPUTER FAILURE SEC .....                                                                                                                                                                                                                 | 04 24 92    |
| 04              | CHANGED PROCEDURES TO PERMIT SINGLE PILOT OPERATION.....                                                                                                                                                                                                                                                                                       | 06 19 92    |
| 05              | REVISED RES PWR IN LIMITATIONS SECTION, CHANGED CAWI INFO, ADDED INFO ABOUT CONVERTIBLE INTERIOR, MAX. LANDING WGT LIMITATION CHART .....                                                                                                                                                                                                      | 09 29 92    |
| 06              | CHANGED GENERATOR LOAD, SPEED FOR TAKEOFF POWER CHECK CHARTS AND REVISED SINGLE PILOT PROCEDURES.....                                                                                                                                                                                                                                          | 07 28 92    |
| 07              | ADDED NEW ENGINE DESIGNATION FOR -10 SRL COMPUTER, NEW TIRE, NEW EGT LIMIT WITH SRL INOPERATIVE POWER TABLES AND CHANGED FIGURE REFERENCE NUMBERS .....                                                                                                                                                                                        | 03 18 93    |
| 08              | CHANGED NOSE WHEEL STEERING LIMITATIONS.....                                                                                                                                                                                                                                                                                                   | 04 02 93    |
| 09              | CHANGED BATTERY OVERHEAT WARNING SYSTEM, OIL FILTER BYPASS INDICATOR, ADDED INFO ABOUT ANNUNCIATOR PANEL DIMMING, ADDED METRIC TICK MARKS ON PERFORMANCE CHARTS .....                                                                                                                                                                          | 06 23 93    |
| 10              | CHANGED FIGURES 4H-3 THRU 4H-6 AND CORRECTED METRIC TICK MARKS ON FIGURE 4G-4 AND CORRECTED EDITORIAL ERROR ON PAGE 2-26.....                                                                                                                                                                                                                  | 08 09 93    |
| 11              | CHANGED NOSE WHEEL STEERING LIMITATIONS, MODIFIED DURING TAXI SECTION ON PAGE 2-35 ,AND CHANGED NOTE ON PAGE 3A-11.....                                                                                                                                                                                                                        | 09 01 93    |
| 12              | CHANGED MAXIMUM LAND WEIGHT LIMITATIONS CHARTS, REVISED TAKEOFF FLIGHT PATH DISTANCE TO 1500 FEET EXAMPLES, ADD PART J SUPPLEMENTAL TAKEOFF PERFORMANCE SECTION AND CHANGED PAGES TO REFLECT THE NEW PART J .....                                                                                                                              | 09 10 93    |
| 13              | CHANGED NOTE ABOUT USE OF GENERATORS, CHANGED INSTRUMENT MARKINGS FOR EGT, ADDED ITEM 4 TO NOSE WHEEL STEERING (S/N CC-843 AND UP OR MODIFIED IAW SB CC7-32-003) CHANGED OPS IN ICING CONDITIONS, ADDED DEFINITIONS FOR STOPWAY, CHANGED DEFINITIONS FOR CLEARWAY AND TAKE-OFF RUN, CORRECTED EDITORIAL ERRORS AND CORRECTED FIGURE 4J-1. .... | 03 29 94    |
| 14              | CHANGED NOSED WHEEL STEERING LIMITATIONS AND SPLIT NOTE ON PAGE 34-11 .....                                                                                                                                                                                                                                                                    | 08 10 94    |
| 15              | DELETED KINDS OF OPERATION, CHANGED KINDS OF OPERATION EQUIPMENT LIST, MOVED TEXT TO DIFFERENT PAGES AND DELETED 4 PAGES FROM LIMITATION SECTION.....                                                                                                                                                                                          | 08 26 94    |
| 16              | REVISED SECTIONS 0, 1, 2, 3 AND 4.....                                                                                                                                                                                                                                                                                                         | 03 28 95    |
| 17              | REVISED SECTIONS 0 AND 4.....                                                                                                                                                                                                                                                                                                                  | 03 26 95    |
| 18              | REVISED SECTIONS 0, 1 AND 2.....                                                                                                                                                                                                                                                                                                               | 03 04 96    |
| 19              | REVISED SECTIONS 0 AND 4.....                                                                                                                                                                                                                                                                                                                  | 07 31 95    |
| 20              | REVISED SECTIONS 0, 2, 3, AND 3A .....                                                                                                                                                                                                                                                                                                         | 12 02 97    |
| 21              | REVISED AND ADDED DATA IN SECTIONS 0, 1 AND 4 .....                                                                                                                                                                                                                                                                                            | 11 12 96    |
| 22              | REVISED DATA .....                                                                                                                                                                                                                                                                                                                             | 05 28 97    |
| 23              | ADDED UNCOMMANDED ENGINE ACCELERATION INFO AND MANUAL GROUND START PROCEDURES TO SECTIONS 3 AND 3A .....                                                                                                                                                                                                                                       | 04 28 00    |
| 24              | REVISED SECTIONS 0 AND 3.....                                                                                                                                                                                                                                                                                                                  | 06 05 98    |
| 25              | REVISED SECTIONS 0, 1, 2, 3, AND 3A .....                                                                                                                                                                                                                                                                                                      | 05 11 99    |
| 26              | REVISED SECTIONS 0 AND 1.....                                                                                                                                                                                                                                                                                                                  | 08 19 99    |
| 27              | REVISED SECTIONS 0, 2, AND 3.....                                                                                                                                                                                                                                                                                                              | 02 29 00    |
| 28              | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                                                                                                                                                                                                                                                   | 06 02 00    |
| 29              | ADDED AURAL TAKEOFF WARNING (SN 902, 903, 904) TO SECTION 3 .....                                                                                                                                                                                                                                                                              | 07 12 00    |
| 30              | REVISED DATA IN SECTIONS 0 AND 2 .....                                                                                                                                                                                                                                                                                                         | 10 06 00    |
| 31              | REVISED DATA IN SECTIONS 0 AND 3A.....                                                                                                                                                                                                                                                                                                         | 10 03 01    |
| 32              | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A.....                                                                                                                                                                                                                                                                                                 | 04 05 07    |
| 33              | REVISED FUEL BALANCING IN SECTIONS 1 AND 3A.....                                                                                                                                                                                                                                                                                               | 12 07 07    |
| 34              | REVISED SECTIONS 0 AND 3.....                                                                                                                                                                                                                                                                                                                  | 12 09 14    |
| 35              | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE.....                                                                                                                                                                                                                                | 07 27 20    |

## TECHNICAL PUBLICATIONS INDEX

### SA227-DC FLIGHT MANUAL 16,500 LB SECTION 5

DATED 08 23 91

| REV. NO. | DESCRIPTION                                                                                             | DATE     |
|----------|---------------------------------------------------------------------------------------------------------|----------|
| 01       | CORRECTED AWI INFORMATION .....                                                                         | 11 15 91 |
| 02       | CHANGED WEIGHT AND F.S. OF DRAINABLE BUT UNUSABLE FUEL AND<br>CHANGED FIGURE 5-2 .....                  | 12 31 91 |
| 03       | ADDED AVIONICS EQUIPMENT TO THE EQUIPMENT LIST AND CORRECTED<br>EDITORIAL ERRORS .....                  | 04 24 92 |
| 04       | NEW ENGINE DESIGNATION FOR -10 SRL, NEW TIRE .....                                                      | 03 18 93 |
| 05       | CORRECTED WEIGHT AND BALANCE CALCULATION EXAMPLE, CAWI<br>FLUID MOMENT TABLE AND EDITORIAL ERRORS ..... | 06 23 93 |
| 06       | ADDED ABS NOSE WHEEL TO EQUIPMENT LIST .....                                                            | 11 17 93 |
| 07       | REVISED DATA .....                                                                                      | 07 18 95 |
| 08       | REVISED DATA .....                                                                                      | 07 19 95 |
| 09       | REVISED DATA .....                                                                                      | 10 29 97 |
| 10       | ADDED AND REVISED DATA .....                                                                            | 05 26 00 |
| 11       | DELETED AND CORRECTED DATA .....                                                                        | 08 28 00 |

### SA227-DC FLIGHT MANUAL 16,500 LB SECTION 6

DATED 12 31 91

| REV. NO. | DESCRIPTION                                                                                                                                                                                             | DATE     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 01       | CHANGED SPECIFIC RANGE, CHARTS FOR FUEL FLOW, SPECIFIC RANGE AND<br>CRUISE SPEEDS .....                                                                                                                 | 04 24 92 |
| 02       | ADDED BRAKE AND PARKING BRAKE INFORMATION AND STANDBY<br>INSTRUMENT POWER SYSTEM .....                                                                                                                  | 06 19 92 |
| 03       | NEW ENGINE DESIGNATION FOR -10 SRL, NEW TIRE .....                                                                                                                                                      | 03 18 93 |
| 04       | CORRECTED FUEL SYSTEM DRAWINGS, JET TRANSFER PUMP SYSTEM INFO,<br>VARIABLE AUTHORITY NOSE WHEEL STEERING TEST, ETC. ....                                                                                | 06 23 93 |
| 05       | CHANGED INFO ABOUT NWS FAIL LIGHT AND NORMAL STEERING PROCEDURES<br>FOR VARIABLE AUTHORITY NOSE WHEEL STEERING AND TILLER NWS .....                                                                     | 09 01 93 |
| 06       | CHANGED INFORMATION ABOUT NWS FAIL LIGHT FOR TILLER NOSE WHEEL<br>STEERING AND CHANGED NOTE FOR OPERATIONS WITH STANDING WATER,<br>SLUSH, OR WET SNOW ON THE RUNWAY AND CORRECTED EDITORIAL ERROR ..... | 03 29 94 |
| 07       | REVISED DC POWER DISTRIBUTION SYSTEM .....                                                                                                                                                              | 03 28 95 |
| 08       | ADDED TABLES AND PAGES .....                                                                                                                                                                            | 05 02 95 |
| 09       | REVISED DATA .....                                                                                                                                                                                      | 03 04 96 |
| 10       | REVISED DATA .....                                                                                                                                                                                      | 12 02 97 |
| 11       | REVISED DATA .....                                                                                                                                                                                      | 11 12 96 |
| 12       | REVISED DATA .....                                                                                                                                                                                      | 12 02 97 |
| 13       | ADDED UNCOMMANDED ENGINE ACCELERATION .....                                                                                                                                                             | 04 28 00 |
| 14       | REVISED DATA .....                                                                                                                                                                                      | 05 11 99 |
| 15       | ADDED AURAL TAKEOFF WARNING (SN 902, 903, 904) .....                                                                                                                                                    | 07 12 00 |

### SA227-DC FLIGHT MANUAL 16,500 LB SUPPLEMENTS

| SUP/REV | DESCRIPTION                                                                              | DATE         |
|---------|------------------------------------------------------------------------------------------|--------------|
| 16      | ADDED EMERGENCY LOCATOR TRANSMITTER, ARTEX 110-406 .....                                 | 08 28 00     |
| 17      | ADDED UTILIZATION OF REDUNDANT NAV RECEIVERS AND DISPLAYS (EHSI-74) .....                | 10 19 00     |
| 18      | REVISED EFFECTIVE PAGES .....                                                            | 10 03 01     |
| 19      | ADDED ALTERNATE RUDDER GUST LOCK .....                                                   | 11 06 03     |
| SUP 01  | TAKEOFF WITH SRL OFF/INOPERATIVE (APPLIES TO AIRCRAFT<br>WITH -7/-8 SRL COMPUTERS) ..... | 06 19 92     |
| REV 01  | APPLIES TO AIRCRAFT WITH -10 SRL COMPUTERS .....                                         | (R) 05 24 93 |
| SUP 02  | C-26B CONFIGURATION (C-26B AIRCRAFT ONLY) .....                                          | 12 06 91     |
| REV 01  | CORRECTED EDITORIAL ERROR AND DELETED PARAGRAPH UNDER<br>BUS TRANSFER SECTION .....      | 04 24 92     |
| REV 02  | ADDED CARGO NET PART NUMBER .....                                                        | 07 28 92     |
| REV 03  | REVISED PAGES 2, 3, 5 THRU 7, 10 AND 47 THRU 50 .....                                    | 01 26 96     |
| REV 04  | ADDED, REVISED, AND REFORMATTED DATA ON PAGES 3, 5, AND 46 THRU 50 .....                 | 02 04 97     |



Ontic Engineering and Manufacturing, Inc

## TECHNICAL PUBLICATIONS INDEX

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                                                                                    | <u>DATE</u>  |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| REV 05         | ADDED GNS-XLS (IF INSTALLED) TO KNS 660 HEADING REFERENCE SELECT SWITCH.....                                                                                                          | 04 17 00     |
| SUP 03         | C-26 SURVEILLANCE CONFIGURATION (C-26B AIRCRAFT ONLY) .....                                                                                                                           | 06 16 94     |
| REV 01         | TO MAKE COMPATIBLE WITH BOTH PODS .....                                                                                                                                               | 03 29 95     |
| REV 02         | REVISED PAGES 3 AND 8 .....                                                                                                                                                           | 01 12 96     |
| SUP 04         | AIRCRAFT BRAKING SYSTEMS (ABS) ANTI-SKID/POWER BRAKE SYSTEM<br>(IF INSTALLED IAW FAIRCHILD AIRCRAFT DRAWING NUMBER 27-85211) .....                                                    | 07 22 94     |
| REV 01         | REVISED PAGES 2 AND 22 .....                                                                                                                                                          | 04 13 95     |
| REV 02         | REVISED PAGES 2 THRU 5, 7 AND 27 .....                                                                                                                                                | 11 27 95     |
| SUP 05         | MINIMUM CAWI FLUID QUANTITY FOR SINGLE ENGINE TAKEOFF WITH<br>CONTINUOUS ALCOHOL WATER INJECTION .....                                                                                | 05 15 95     |
| REV 01         | DELETED NOTE 12 REGARDING WHITE RADIAL LINES FROM FIGURE 3 ON PAGE 7.....                                                                                                             | 08 10 20     |
| SUP 06         | TRIM-IN -MOTION TONE GENERATOR AND OVERSPEED WARNING SYSTEM<br>(IF INSTALLED PER ECP 705 OR KIT DRAWING 27K82818).....                                                                | 06 06 96     |
| REV 01         | REVISED PAGES 2, 3, AND 4 .....                                                                                                                                                       | 11 26 99     |
| SUP 07         | ALTERNATE STATIC SYSTEM WITH COLLINS EFIS-84 (IF INSTALLED IAW<br>FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88759 REV A).....                                                              | 03 26 96     |
| SUP 08         | PITOT HEAT WARNING SYSTEM .....                                                                                                                                                       | 10 04 96     |
| REV 01         | ADDED FAIRCHILD AIRCRAFT DRAWING 27K14063 FOR INSTALLATION OF<br>PITOT HEAT WARNING SYSTEM .....                                                                                      | 07 06 01     |
| SUP 09         | OPERATION IN CANADA.....                                                                                                                                                              | 06 17 97     |
| SUP 10         | LOW FUEL PRESSURE WARNING ANNUNCIATION .....                                                                                                                                          | 05 28 97     |
| SUP 11         | RESERVED                                                                                                                                                                              |              |
| SUP 12         | GNS-XLS FLIGHT MANAGEMENT SYSTEM WITH FAULT DETECTION AND<br>EXCLUSION CAPABILITY (C-26B AIRCRAFT ONLY) .....                                                                         | 07 15 99     |
| UN             | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IAW<br>FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300).....                                                                 | 07 09 92     |
| REV 01         | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS .....                                                                                                                   | 11 05 92     |
| REV 02         | CHANGED AFT BAGGAGE COMPARTMENT LOAD .....                                                                                                                                            | 06 14 93     |
| REV 03         | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5 .....                                                                                        | 03 29 94     |
| REV 04         | ADDED PLACARD.....                                                                                                                                                                    | 04 27 94     |
| UN             | ALLIEDSIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105).....                                             | (R) 05 07 96 |
| UN             | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94     |
| UN             | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                                                    | 05 04 95     |
| REV 01         | CHANGED NOTE ON PAGE 4 .....                                                                                                                                                          | 06 28 95     |
| REV 02         | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH.....                                                                                   | 07 15 96     |
| UN             | AILERON-RUDDER INTERCONNECT INSTALLATION .....                                                                                                                                        | 07 25 96     |
| UN             | BENDIX/KING CAS 66A TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM WITH CP 66B CONTROL PANEL .....                                                                            | 10 29 96     |
| UN             | TWELVE PLACE CLUB CONFIGURATION .....                                                                                                                                                 | 03 08 02     |
| UN             | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB CC7-34-008 .....                               | (R) 08 04 05 |
| UN             | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                                                        | 03 05 08     |

### **SA227-DC PILOT'S FLIGHT CHECKLIST (6DC)**

**DATED 07 28 92**

**[PNs: PAPER 27-10054-111 / ELECTRONIC 27-10054-224: INCLUDES ALL CC/DC AFMs]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                           | <u>DATE</u> |
|-----------------|----------------------------------------------------------------------------------------------|-------------|
| 01              | CHANGED SINGLE ENGINE BEFORE LANDING AND SINGLE ENGINE<br>GO-AROUND PROCEDURES .....         | 09 29 92    |
| 02              | DELETED ENG DESIGNATION AND ADDED 6DC-CL BOTTOM OF PGS.....                                  | 03 03 93    |
| 03              | CHANGED CHECK LIST TO REFLECT REV. 9 TO AFM AND ADDED 6DC-CL TO<br>BOTTOM OF EACH PAGE ..... | 06 23 93    |

## TECHNICAL PUBLICATIONS INDEX

|    |                                                                              |          |
|----|------------------------------------------------------------------------------|----------|
| 04 | REVISED SECTIONS N AND AB .....                                              | 03 28 95 |
| 05 | REVISED SECTIONS i, N, E, AND AB .....                                       | 12 02 97 |
| 06 | REVISED SECTIONS i, N, E, AND AB .....                                       | 05 11 99 |
| 07 | ADDED AURAL OUT-OF-TRIM WARNING INFO TO SECTIONS N AND E .....               | 04 28 00 |
| 08 | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 ..... | 06 02 00 |
| 09 | ADDED AURAL TAKEOFF WARNING (SN 902, 903, 904) TO EMERGENCY SECTION .....    | 07 12 00 |
| 10 | ADDED FUEL BALANCING TO ABNORMAL PROCEDURES.....                             | 04 05 07 |
| 11 | REVISED FUEL BALANCING IN ABNORMAL PROCEDURES.....                           | 12 07 07 |

**SA227-DC WITH C663 MCCAULEY PROPELLERS FLIGHT MANUAL 16,500 LB (8DC)**  
**[PNs: PAPER 27-10054-143 / ELECTRONIC 27-10054-224: INCLUDES ALL CC/DC AFMs]**

**DATED 08 09 96**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                 | <u>DATE</u> |
|-----------------|--------------------------------------------------------------------------------------------------------------------|-------------|
| 01              | REVISED SECTIONS 0, 1 AND 4.....                                                                                   | 11 20 96    |
| 02              | REVISED SECTIONS 0 AND 4.....                                                                                      | 03 14 97    |
| 03              | REVISED SECTIONS 0, 1, 2, 3, 3A, AND 4E.....                                                                       | 05 11 99    |
| 04              | REVISED SECTIONS 0 AND 2.....                                                                                      | 11 26 99    |
| 05              | REVISED SECTIONS 0, 2, AND 3.....                                                                                  | 02 29 00    |
| 06              | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 .....                                       | 06 02 00    |
| 07              | ADDED FUEL BALANCING TO SECTIONS 1 AND 3A.....                                                                     | 12 07 07    |
| 08              | REVISED SECTIONS 0 AND 3.....                                                                                      | 12 09 14    |
| 09              | REVISED SECTION III ANNUNCIATOR PANEL LIGHT REFERENCES AND<br>L/R LOW OIL PRESSURE WARNING LIGHT ON PROCEDURE..... | 07 27 20    |

**SA227-DC WITH C663 MCCAULEY PROPELLERS FLIGHT MANUAL 16,500 LB SECTION 5**

**DATED 08 09 96**

| <u>REV. NO.</u> | <u>DESCRIPTION</u> | <u>DATE</u> |
|-----------------|--------------------|-------------|
|-----------------|--------------------|-------------|

**SA227-DC WITH C663 MCCAULEY PROPELLERS FLIGHT MANUAL 16,500 LB SECTION 6**

**DATED 08 09 96**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                    | <u>DATE</u> |
|-----------------|---------------------------------------|-------------|
| 01              | REVISED DATA .....                    | 11 20 96    |
| 02              | REVISED DATA .....                    | 05 11 99    |
| 03              | REVISED DATA .....                    | 11 26 99    |
| 04              | ADDED ALTERNATE RUDDER GUST LOCK..... | 11 06 03    |

**SA227-DC WITH C663 MCCAULEY PROPELLERS FLIGHT MANUAL 16,500 LB SUPPLEMENTS**

| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                                                                                    | <u>DATE</u> |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| SUP 01         | TAKEOFF WITH SRL OFF/INOPERATIVE.....                                                                                                                                                 | 08 09 96    |
| SUP 02         | MINIMUM CAWI FLUID QUANTITY FOR SINGLE ENGINE TAKEOFF WITH<br>CONTINUOUS ALCOHOL - WATER INJECTION .....                                                                              | 08 09 96    |
| REV 01         | DELETED NOTE 12 REGARDING WHITE RADIAL LINES FROM FIGURE 3 ON PAGE 7 .....                                                                                                            | 08 10 20    |
| SUP 03         | TABULAR FIELD LENGTH DATA FOR USE WITH ANTI-SKID/POWER BRAKE SYSTEM.....                                                                                                              | 10 23 96    |
| SUP 04         | AIRCRAFT BRAKING SYSTEMS (ABS) DUAL ROTOR MANUAL BRAKE SYSTEM .....                                                                                                                   | 10 23 96    |
| REV 01         | ADDED AND REVISED DATA ON PAGES 2 AND 12.....                                                                                                                                         | 03 14 97    |
| UN             | VAPOR CYCLE AIR CONDITIONING SYSTEM (IF INSTALLED IAW<br>FAIRCHILD AIRCRAFT DRAWING NUMBER 27-84300 OR 27K84300).....                                                                 | 07 09 92    |
| REV 01         | ADDED MAXIMUM WEIGHTS AND CORRECTED BAGGAGE COMPARTMENT LOADS .....                                                                                                                   | 11 05 92    |
| REV 02         | CHANGED AFT BAGGAGE COMPARTMENT LOAD .....                                                                                                                                            | 06 14 93    |
| REV 03         | CORRECTED CIRCUIT BREAKER INFO, EDITORIAL ERROR AND ADDED<br>EQUIPMENT LIST TO SECTION 5 .....                                                                                        | 03 29 94    |
| REV 04         | ADDED PLACARD.....                                                                                                                                                                    | 04 27 94    |
| UN             | ALLIED SIGNAL AEROSPACE MK-VI GROUND PROXIMITY WARNING SYSTEM<br>(GPWS) (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING NUMBER 27-88105)..... (R)                                        | 05 07 96    |
| UN             | BENDIX/KING CAS TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM (IF INSTALLED PER FAIRCHILD AIRCRAFT DRAWING 27-88107,<br>SB 226-23-002, SB 227-23-004, OR SB CC7-23-002)..... | 04 13 94    |



Ontic Engineering and Manufacturing, Inc

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| <u>SUP/REV</u> | <u>DESCRIPTION</u>                                                                                                                                      | <u>DATE</u>  |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UN             | IMPROVED VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                                                                                      | 05 04 95     |
| REV 01         | CHANGED NOTE ON PAGE 4 .....                                                                                                                            | 06 28 95     |
| REV 02         | ADDED PLACARD WHEN ALTITUDE SWITCH IS REMOVED AND CHANGED<br>INFORMATION ABOUT ALTITUDE SWITCH.....                                                     | 07 15 96     |
| UN             | BENDIX/KING CAS 66A TCAS I TRAFFIC ALERT AND COLLISION AVOIDANCE<br>SYSTEM WITH CP 66B CONTROL PANEL.....                                               | 10 29 96     |
| UN             | AVIATION COMMUNICATION AND SURVEILLANCE SYSTEMS (ACSS)<br>DUAL MODE S TRANSPONDER AND TCAS SYSTEMS AS INSTALLED<br>PER M7 AEROSPACE SB CC7-34-008 ..... | (R) 08 04 05 |
| UN             | PITOT HEAT INDICATION IF INSTALLED PER M7 AEROSPACE DRAWING 27K14063-009 .....                                                                          | 03 05 08     |

### **SA227-DC WITH C663 MCCAULEY PROPELLERS PILOT'S FLIGHT CHECKLIST (8DC)**

**DATED 08 09 96**

**[PNs: PAPER 27-10054-145 / ELECTRONIC 27-10054-224: INCLUDES ALL CC/DC AFMs]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                           | <u>DATE</u> |
|-----------------|------------------------------------------------------------------------------|-------------|
| 01              | REVISED SECTIONS i, N, E, AND AB .....                                       | 05 11 99    |
| 02              | REVISED SECTIONS i, N, AND E.....                                            | 02 29 00    |
| 03              | ADDED PNEUMATIC DEICING BOOTS SYSTEM INFO TO COMPLY WITH AD 2000-06-04 ..... | 06 02 00    |
| 04              | ADDED FUEL BALANCING TO ABNORMAL PROCEDURES.....                             | 12 07 07    |

### **SA227 SERIES COMMUTER CATEGORY AIRFRAME AIRWORTHINESS LIMITATIONS**

**MANUAL ST-UN-M003**

**INITIAL ISSUE 12 06 91**

**[PNs: PAPER 27-10054-109: INCLUDED WITH 27-10054-135, 27-10054-139 AND 27-10054-213 / ELECTRONIC 27-10054-227, INSPECTION MANUAL SET: INCLUDES ST-UN-M003, SUPPLEMENTAL INSPECTION DOCUMENT, LETTER CHECK AND PHASE INSPECTION]**

| <u>REV. NO.</u> | <u>DESCRIPTION</u>                                                                                                   | <u>DATE</u> |
|-----------------|----------------------------------------------------------------------------------------------------------------------|-------------|
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| 56-005 | DUAL PANE COCKPIT SIDE WINDOW DESICCANT FILTER INSTALLATION .....                                                       | 04 25 97     |
| 56-006 | CABIN WINDOW DEFOG SYSTEM.....                                                                                          | (R) 03 08 02 |
| 56-007 | HEATED WINDSHIELD ELECTRICAL BONDING INSTRUCTIONS .....                                                                 | (R) 01 07 09 |

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| 56-009 | INSPECTION FOR COCKPIT HEATED WINDSHIELDS .....                                                                                                                                  | 12 01 10     |
| 56-010 | INSTALLATION OF NEW ELECTRICALLY HEATED GLASS WINDSHIELD<br>(27-19482-001/-002) .....                                                                                            | 09 28 12     |
| 56-011 | INSPECT COCKPIT WINDSHIELDS AND SIDE WINDOWS FOR FASTENER/NUT<br>SECURITY .....                                                                                                  | (R) 02 26 15 |
| 57-001 | INSPECT, MODIFY/REPAIR LOWER WING SKIN AT WING STATION (WS) 113.....                                                                                                             | 06 22 93     |
| 57-002 | MODIFICATION/REPAIR OF UPPER WING SKIN .....                                                                                                                                     | (R) 07 01 93 |
| 57-003 | NOT ISSUED                                                                                                                                                                       |              |
| 57-004 | INCREASED CORROSION CONTROL FOR AFT SPAR, AT LOWER FORWARD<br>AND AFT STEEL ANGLES .....                                                                                         | (R) 02 24 04 |
| 57-005 | WING EXTENSION TRIM TAB INSTALLATION .....                                                                                                                                       | 08 21 09     |
| 57-006 | INSTALLATION OF FORM-IN-PLACE GASKETS-BATTERY BOX ACCESS PANELS .....                                                                                                            | 09 03 10     |
| 57-007 | NOT ISSUED                                                                                                                                                                       |              |
| 57-008 | CANCELLED                                                                                                                                                                        |              |
| 57-009 | INSPECTION OF MAIN SPAR LOWER CAP, BL 0.0 TO BL 3.0 .....                                                                                                                        | (R) 08 06 19 |
| 61-001 | REDUCE PROPELLER START LOCK AND FEATHER ANGLE .....                                                                                                                              | 01 15 93     |
| 61-002 | INSTALLATION OF DEICER EROSION TAPE ON MCCAULEY PROPELLERS .....                                                                                                                 | 10 04 95     |
| 71-001 | INSPECTION AND MODIFICATION OF UPPER ENGINE TRUSS TO FIREWALL ATTACH<br>FITTINGS AND UPPER ENGINE SHOCK MOUNT AT UPPER ENGINE MOUNT LUG .....                                    | (R) 05 26 10 |
| 71-002 | RESERVE POWER SYSTEM.....                                                                                                                                                        | 05 24 07     |
| 76-001 | POSITIVE SAFETY OF POWER CONTROL CABLE TO LEVER ATTACH POINT<br>CLEVIS, AND INSPECTION FOR SECURITY OF ATTACHING HARDWARE OF<br>POWER CONTROL CABLE TO PN 26-21505 BRACKET ..... | 01 06 95     |
| 76-002 | POSITIVE SAFETY OF ATTACHING HARDWARE FOR ENGINE POWER/RPM<br>CONTROL CABLE HOUSINGS TO PEDESTAL BRACKET PN 26-21505 .....                                                       | (R) 03 13 96 |
| 76-003 | INSPECT POWER LEVERS IN PEDESTAL FOR CRACKING AND/OR EXCESSIVE WEAR .....                                                                                                        | (R) 11 01 18 |
| 76-004 | REPLACE/REWORK PROPELLER PITCH CONTROL (PPC) ASSEMBLIES PER<br>HONEYWELL SERVICE BULLETIN TPE331-72-2190 .....                                                                   | 03 17 15     |
| 76-005 | REPLACEMENT ENGINE CONTROL CABLES (FLEXIBLE SLIDING ELEMENT) .....                                                                                                               | 04 26 19     |
| 77-001 | SINGLE RED LINE CONTROLLER.....                                                                                                                                                  | 03 19 93     |
| 77-002 | SINGLE RED LINE CONTROLLER.....                                                                                                                                                  | 06 11 93     |
| 78-001 | IMPROVED ENGINE EXHAUST DUCT GASKET.....                                                                                                                                         | 05 29 92     |
| 80-001 | TEMPERATURE LIMITER CIRCUIT .....                                                                                                                                                | 09 07 93     |
| 82-001 | IMPROVED LIQUID LEVEL POTENTIOMETER FOR CONTINUOUS ALCOHOL<br>WATER INJECTION.....                                                                                               | (R) 09 23 92 |
| 82-002 | CAWI QUANTITY INDICATOR SINGLE ENGINE GO AROUND MINIMUM LEVEL MARKING .....                                                                                                      | (R) 11 03 93 |
| 82-003 | CAWI TANK VENT TUBING.....                                                                                                                                                       | 03 11 93     |
| 82-004 | IMPROVED CAWI QUANTITY GAUGING SYSTEM.....                                                                                                                                       | (R) 02 28    |
| 82-005 | INSTALLATION OF NEW CAWI PUMPS - PN 27-67033-045 .....                                                                                                                           | 08 06 97     |
| 82-006 | IMPROVED PRESSURE SWITCH FOR CAWI .....                                                                                                                                          | (R) 06 12 09 |

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### SA227 SERIES COMMUTER CATEGORY SERVICE LETTERS

**REISSUE 03 07 16**

**[SERVICE INFORMATION INCLUDES: BULLETINS, LETTERS, AND NOTES -**

**PNs: PAPER 27-10054-129 / ELECTRONIC 27-10054-130]**

| NUMBER | DESCRIPTION                                                                                                                                                                                                                          | DATE          |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 001    | TERMINAL STRIP (TS) 14 JUMPER WIRE IMPROVEMENT.....                                                                                                                                                                                  | (R) 02 03 93  |
| 002    | ADD DRAIN HOLES TO VERTICAL STABILIZER.....                                                                                                                                                                                          | 10 28 92      |
| 003    | ADD LUMBAR SUPPORT TO 27-19308 CABIN SEAT WITH THE COMPLIANCE OF<br>(PTC SERVICE BULLETIN 25-1230) .....                                                                                                                             | 10 23 92      |
| 004    | RELOCATE WIRE NUMBER 206052-10.....                                                                                                                                                                                                  | 02 03 93      |
| 005    | ARM REST RELEASE BUTTON .....                                                                                                                                                                                                        | 01 15 93      |
| 006    | CARGO DOOR GAS SPRING ATTACH POINT (FUSELAGE FRAME).....                                                                                                                                                                             | 05 12 93      |
| 007    | 27-62085-043 BRACKET .....                                                                                                                                                                                                           | 08 30 93      |
| 008    | ENLARGE WING AFT BELLY SKIN ACCESS DOOR DRAIN HOLES.....                                                                                                                                                                             | 08 18 93      |
| 009    | LOW FUEL FLOAT SWITCH SPLICE REPLACEMENT .....                                                                                                                                                                                       | 10 07 93      |
| 010    | REPLACEMENT OF J416-8SS-5 OR MS24593-8 BLEED AIR CHECK VALVE .....                                                                                                                                                                   | 10 26 93      |
| 011    | RESCINDED (NOT APPLICABLE TO COMMUTER CATEGORY AIRPLANES) .....                                                                                                                                                                      | (R) 01 09 95  |
| 012    | RETURN PORT, NOSE WHEEL STEERING ACTUATOR .....                                                                                                                                                                                      | 11 08 93      |
| 013    | REPLACEMENT OF ENGINE OIL INSPECTION DOOR CAMLOCK STUDS.....                                                                                                                                                                         | 01 27 94      |
| 014    | ABSC 5007397-1 WHEEL INSTALLATION .....                                                                                                                                                                                              | 08 23 94      |
| 015    | DEICER BOOT MOISTURE REMOVAL .....                                                                                                                                                                                                   | 11 23 94      |
| 016    | NOT ISSUED                                                                                                                                                                                                                           |               |
| 017    | NOT ISSUED                                                                                                                                                                                                                           |               |
| 018    | STARTER/GENERATOR BEARING REPLACEMENT .....                                                                                                                                                                                          | 12 23 94      |
| 019    | FAR 121.310(g) EXTERIOR EXIT MARKINGS .....                                                                                                                                                                                          | 01 29 97      |
| 020    | FAR 121.310(h) EXTERIOR ESCAPE ROUTE .....                                                                                                                                                                                           | 02 21 97      |
| 021    | BARBER COLMAN PITCH TRIM ACTUATOR - PERFORM ADJUSTMENT - MECHANICAL/<br>ELECTRICAL STOPS FUNCTIONAL CHECK AND NO-BACK FUNCTIONAL CHECK .....                                                                                         | (R) 02 01 99  |
| 022    | PILOT SEAT BACK POCKET INTERFERES WITH JUNCTION BOX .....                                                                                                                                                                            | 04 02 98      |
| 023    | BARBER COLMAN PITCH TRIM ACTUATOR - AIRSPEED LIMITATION .....                                                                                                                                                                        | (R) 09 02 98  |
| 024    | INSPECTION OF PITCH TRIM ACTUATOR FOR CORRECT INSTALLATION<br>AND FREEDOM OF OPERATION.....                                                                                                                                          | 09 09 98      |
| 025    | INSPECTION/REPLACEMENT OF (31 PSI) PNEUMATIC PRESSURE REGULATOR<br>FOR INCORRECT INLET/OUTLET PORT ORIENTATION.....                                                                                                                  | 11 24 98      |
| 026    | LIFE PRESERVER WITH LOCATOR LIGHT FOR FAR, PART 121.2 AND 121.340<br>REQUIREMENT.....                                                                                                                                                | 12 04 98      |
| 027    | REPLACEMENT CLEVIS FOR BRAKE PEDAL PUSH ROD ASSEMBLY .....                                                                                                                                                                           | (R) 07 06 11  |
| 028    | DL5040M8 PITCH TRIM ACTUATOR FREEPLAY MEASUREMENT .....                                                                                                                                                                              | 08 12 99      |
| 029    | OVERHAUL TIME LIMIT FOR PN 27-81009 HYDRAULIC POWER PACK .....                                                                                                                                                                       | (R) 11 03 99  |
| 030    | BF GOODRICH PN 74-451-AC EROSION REPAIR KIT, FOR WING AND TAIL DE-ICE BOOTS.....                                                                                                                                                     | 08 25 99      |
| 031    | INSPECTION/REPLACEMENT/PROTECTION OF FUEL BOOST PUMP<br>WIRE HARNESS FOR CHAFFING CONDITION, FAA APPROVED.....                                                                                                                       | (R) 09 25 00  |
| 032    | NOT ISSUED                                                                                                                                                                                                                           |               |
| 033    | INSPECTION OF PRIMARY FLIGHT CONTROL CABLE TERMINALS FOR<br>CRACKS/PITTING CORROSION.....                                                                                                                                            | 05 29 01      |
| 034    | INSPECT CARGO DOOR, FORE AND AFT, CLICK-CLACK BUSHING<br>RECEPTACLE, PN 27-20063-007 (AIRFRAME SIDE), FOR CRACKS .....                                                                                                               | (R) 04 04 16  |
| 035    | INSPECTION OF MAIN LANDING GEAR (MLG) TRUNNION BUSHING, PN 27-51009,<br>ATTACHING HARDWARE FOR LOOSENESS .....                                                                                                                       | 03 27 03      |
| 036    | INSPECT FOR POSSIBLE CRACKS IN LH/RH FUSELAGE STATION (F.S.) 272 AND 276 FOR<br>FORWARD SPAR, F.S. 308 AND 311 FOR AFT SPAR ON CC/DC MODEL AIRPLANES,<br>LOWER BELT FRAMES AND NESTED CHANNELS AT LH/RH STRINGER 10A FEEDTHROUGH ... | 06 10 03      |
| 037    | INSPECTION OF AFT SPAR, AT LOWER AFT STEEL ANGLE FOR CORROSION .....                                                                                                                                                                 | 06 10 03      |
| 038    | INSPECT FOR CRACKS AND/OR BULGES OF LEFT HAND/RIGHT HAND,<br>INBOARD/OUTBOARD, KEELSON WEB SKIN AT NACELLE STATION (N.S.) 141.69.....                                                                                                | 06 10 03      |
| 039    | ONE TIME INSPECTION OF UPPER, PITCH TRIM ACTUATOR (PTA) ATTACH<br>FITTING HARDWARE AND BUSHINGS FOR CORRECT INSTALLATION AND<br>SUBSEQUENT INSPECTION FOR CRACKS.....                                                                | (R) 02 10 200 |



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| NUMBER | DESCRIPTION                                                                                                                                                      | DATE         |
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| 040    | RELIEF FOR RECENT CHANGE OF SA227 COMMUTER CATEGORY MM, CHAPTER 5, HYDROSTATIC TEST INTERVAL (HTI), FOR PN 30301100 AND 30300020 FIRE EXTINGUISHER BOTTLES ..... | 04 16 04     |
| 041    | SPECIAL INSPECTION OF FUSELAGE DRAINS AND INSTALLATION OF ADDITIONAL FUSELAGE DRAINS IN ACCORDANCE WITH M7 ENGINEERING DRAWING, 27K22001 .....                   | (R) 01 26 05 |
| 042    | NOT ISSUED                                                                                                                                                       |              |
| 043    | FUEL LEAK CLICK-PATCH REPAIR .....                                                                                                                               | 03 20 06     |
| 044    | USE OF THE NAME FAIRCHILD OR M7 AEROSPACE LP .....                                                                                                               | 02 20 07     |
| 045    | INSPECTION/REPLACEMENT OF FLIGHT CONTROL CABLE PULLEY GUARD PIN .....                                                                                            | (R) 01 30 14 |
| 046    | INSPECTION OF UPPER AND LOWER ENGINE MOUNT ATTACH FITTING BOLTS FOR CORRECT TORQUE .....                                                                         | 11 14 08     |
| 047    | NOT ISSUED                                                                                                                                                       |              |
| 048    | COCKPIT HEATED WINDSHIELD (PN 26-21126 AND 27-19442) DAMAGE REPORT .....                                                                                         | (R) 08 31 12 |
| 049    | CANCELLED .....                                                                                                                                                  | 08 23 13     |
| 050    | APPH SOLENOID VALVES AND HYDRAULIC POWER PACKS ALERT .....                                                                                                       | (R) 10 08 12 |
| 051    | DEFECTIVE STANDARD HARDWARE - MS21042 SELF-LOCKING NUTS .....                                                                                                    | 08 03 12     |
| 052    | NOT ISSUED                                                                                                                                                       |              |
| 053    | INSPECT AILERON SPAR OUTBOARD FITTINGS FOR CRACKING .....                                                                                                        | 09 19 14     |
| 054    | INSPECT AND REPLACE 27-51000-031 LANDING GEAR ACTUATOR BOLTS .....                                                                                               | 08 13 13     |
| 055    | INSPECT HONEYWELL PN 894568-1/-2 FUEL LINE FOR DAMAGE .....                                                                                                      | (R) 12 12 13 |
| 056    | INSPECTION/REPLACEMENT OF 27-51042-177 SHEAR BOLT INSTALLED ON THE MAIN LANDING GEAR DOOR LINKAGE .....                                                          | 03 07 14     |
| 057    | RECOMMEND REPLACE/REWORK PROPELLER PITCH CONTROL (PPC) ASSEMBLIES PER HONEYWELL SERVICE BULLETIN TPE331-72-2190 .....                                            | 02 11 14     |
| 058    | INSPECT HONEYWELL PN 894382-2/-5 ANTI-ICE TUBE FOR CRACKING AND DAMAGE .....                                                                                     | 09 19 14     |
| 059    | INSPECT/REPLACE 27-52000-141 NOSE LANDING GEAR ACTUATOR BELLCRANK PINS .....                                                                                     | 08 31 15     |
| 060    | INSPECTION OF ENGINE CONTROL CABLE SUPPORT BRACKET IN PEDESTAL .....                                                                                             | 08 24 15     |
| 061    | CABIN ALTITUDE WARNING SYSTEM OPERATIONAL TEST .....                                                                                                             | (R) 11 07 18 |
| 062    | ROUTING MODIFICATIONS AFFECTING CONTROL CABLE LIFE .....                                                                                                         | 02 14 18     |
| 063    | AIRPLANE TOWING PLACARDS .....                                                                                                                                   | 02 12 18     |
| 064    | WINDSHIELD POST/LOWER SILL CORROSION .....                                                                                                                       | 08 14 18     |
| 065    | UNAPPROVED BCP4W10/BCP5W11 BEARING VENDOR PART .....                                                                                                             | 08 06 19     |
| 066    | ALTERNATE POLYURETHANE ANTENNA GASKET .....                                                                                                                      | 03 20 19     |
| 067    | FORWARD PRESSURE BULKHEAD INSPECTION FOR MISSING RIVETS AND CRACKS AROUND EXISTING RIVETS AT WL 97.12, LBL / RBL 3.0 .....                                       | 07 16 20     |
| 068    | SUPERSEDED BY SERVICE LETTER CC7-SL-072                                                                                                                          |              |
| 069    | ELEVATOR QUADRANT ASSEMBLY .....                                                                                                                                 | 03 08 23     |
| 070    | CHANGE OF NAME OF DESIGN APPROVAL HOLDER .....                                                                                                                   | 10 27 23     |
| 071    | MAIN LANDING GEAR PLACARD RELOCATION .....                                                                                                                       | 07 31 24     |
| 072    | POTENTIAL 5G INTERFERENCE OF RADIO ALTIMETERS ON AIRPLANES .....                                                                                                 | 07 07 25     |

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### SA227 SERIES COMMUTER CATEGORY SERVICE NOTES

REISSUE 03 07 16

[SERVICE INFORMATION INCLUDES: BULLETINS, LETTERS, AND NOTES -

PNs: PAPER 27-10054-129 / ELECTRONIC 27-10054-130]

| NUMBER | DESCRIPTION                                                                                             | DATE         |
|--------|---------------------------------------------------------------------------------------------------------|--------------|
| 001    | EXHAUST TRACK RIVET REPLACEMENT .....                                                                   | 03 18 92     |
| 002    | DECAL INSTALLATION - CABIN SEAT ARMRESTS .....                                                          | 03 20 92     |
| 003    | EXTREME COLD WEATHER GREASE FOR AILERON/RUDDER TRIM ACTUATOR .....                                      | 01 25 93     |
| 004    | ACOUSTIC WINDOW PANE REMOVAL .....                                                                      | 01 25 93     |
| 005    | EROSION PREVENTION FOR AERODYNAMIC FEATURES, AND ABRASION<br>PROTECTION AT CERTAIN CHAFING POINTS ..... | (R) 12 19 97 |
| 006    | SOLID STATE FLIGHT DATA RECORDER .....                                                                  | 09 23 93     |
| 007    | OPERATIONAL LIMITATION FOR VAPOR CYCLE AIR CONDITIONING SYSTEM .....                                    | 01 27 94     |
| 008    | FUEL FLOW TRANSMITTER WIRING .....                                                                      | 02 25 94     |
| 009    | LANDING GEAR POSITION AND WARNING SWITCHES .....                                                        | 02 25 94     |
| 010    | BATTERY BOX HYDRAULIC LINE CLEAR TUBING (PN 3028) REMOVAL .....                                         | 07 05 94     |
| 011    | PAINTED WINGS .....                                                                                     | (R) 05 13 08 |
| 012    | CHAFING, RUDDER CONTROL RODS .....                                                                      | 10 31 94     |
| 013    | BATTERY AND STARTER/GENERATOR GROUND BONDING .....                                                      | (R) 08 16 99 |
| 014    | INSPECTION OF WIRES 228018H-20 AND 228087-22 FOR CHAFING CONDITION .....                                | 06 01 98     |
| 015    | FUEL LEAK CLICK-PATCH REPAIR .....                                                                      | 05 11 12     |
| 016    | POSSIBLE INFLATION DEVICE FAILURE ON SAFRAN LIFERAFTS .....                                             | 10 27 23     |



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## TECHNICAL PUBLICATIONS INDEX

### KIT DRAWING INDEX

#### GENERAL:

This index is provided to list Kit Drawings available and applicable for field use. Some Kit Drawings which are not applicable, or are proprietary information will not be listed and are not available for field use.

The following kits or modifications are available for sale only through Ontic Spares Sales:

- Canadian Certification
- French Certification
- Italian Certification
- 13,900 Maximum Zero Fuel Weight
- 16,000 Pound Gross Weight Mod
- Cargo Net Installation
- Bulkhead Installation, Cargo Area

To purchase Kit Drawings, contact Ontic Spares Sales. A short description is included to help you determine if the kit may be useful for your operation.

Since most kits were developed for special purposes or limited effectivity, parts may be in limited quantities or not normally stocked. Notify Spares Sales with sufficient lead time when you plan to order a kit.

| <u>NUMBER</u> | <u>DESCRIPTION</u>                                                                                                                                                                                                                                           |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26K24000      | Cabin Door Step Guard<br>Adds guard to step side channels to prevent fingers/hands getting pinched with door open.<br>Effectivity - 26 T, AT                                                                                                                 |
| 27K10001      | Air Sampling Tube Installation<br>Provides mounting structure for customer supplied air sampler.<br>Effectivity - 226 AT                                                                                                                                     |
| 27K13019      | 16K AFM (8AC)<br>Allows 14,500 227-AC w/Dowty props currently operating with AFM 4AC or 7AC to operate with AFM 8AC.<br>Effectivity - 227 AC w/Dowty Props only                                                                                              |
| 27K13989      | Cargo Net at F.S. 491<br>Adds cargo net at aft side of cargo door for loose baggage.<br>Effectivity - 227 AC, CC, DC                                                                                                                                         |
| 27K14048      | Overspeed Warning<br>Adds aural warning of overspeed approximately 246.4 KIAS or .52 Mach.<br>Effectivity - 227 AC, AT, (required for French certification, but available if this feature is desired.)                                                       |
| 27K14055      | SAS Disconnect Switch/Relay<br>Adds disconnect switch to Pilot and Copilot control wheels to disconnect the SAS pusher.<br>Effectivity - 226 T, T(B), TC, AT; 227 AC, AT, TT, (required for French certification, but available if this feature is desired.) |
| 27K14063      | Pitot Heat Indication Warning<br>Adds PITOT HEAT OFF light to annunciator panel.<br>Effectivity - 227 AC & AT, (required for Italian certification, but available if this feature is desired.)                                                               |
| 27K14064      | 220VAC Receptacle<br>Installs a 220 VAC plug and receptacle to provide quick disconnect for electric heater to pre-heat the cabin.<br>Effectivity - 227                                                                                                      |



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| <b>NUMBER</b> | <b>DESCRIPTION</b>                                                                                                                                                                                                                    |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 27K14088      | Gravel Guard Installation<br>Installs Gravel Guard Tape to Flaps; Inboard and Outboard of Engine Exhaust Area.<br>Effectivity - 226; 227 AC, AT, TT, BC, CC, DC                                                                       |
| 27K20002      | Landing Gear Control Shield<br>Installs shield on side of pedestal to prevent accidental actuation of the landing gear handle.<br>Effectivity - 226                                                                                   |
| 27K20003      | Landing Gear Control Shield<br>Installs shield on front of pedestal to prevent accidental actuation of the landing gear handle.<br>Effectivity - 226                                                                                  |
| 27K20077      | Kit-Anti Fogging Panel Instl FWD Escape Hatch<br>Effectivity - SA227 CC, DC                                                                                                                                                           |
| 27K20085      | Removable Cargo Floor<br>Installs quick removable floor panels across center aisle and a roller system between FS 168 and FS 437.<br>Effectivity - 227 AC, AT, BC, CC, DC - with seat tracks                                          |
| 27K20086      | Removable Cargo Floor<br>Installs quick removable floor panels across center aisle and a roller system between FS 159 and FS 437.<br>Effectivity - 226 TC; 227 AC - with pan fittings                                                 |
| 27K21000      | Nose Gear Door Hinge Bolts Access Door Installation<br>Installs access panels in Nose Wheelwell Keelsons to inspect gear door hinges and hardware.<br>Effectivity - 226 T, T(B), TC, AT                                               |
| 27K21006      | Nose Baggage Door Holder<br>Adds a wire rod to hold the nose baggage doors open (IR)<br>Effectivity - 226 & 227<br>Adds a locking strut to hold the nose baggage doors open (B rev)<br>Effectivity - 227 CC, DC                       |
| 27K22001      | Additional Fuselage Drains<br>Adds drains to fuselage under floorboards to improve water drain in susceptible areas.<br>Effectivity - 226 & 227                                                                                       |
| 27K22005      | Cabin Window Cover<br>Adds single piece outer metal cover replacing retainer. Referenced in AD 90-14-01.<br>NOTE this does not delete window inspections required by AD 93-19-06.<br>Effectivity - 226 TC, AT; 227 AC, AT, BC, CC, DC |
| 27K22006      | Cabin Laminated Window Installation<br>Retrofits laminated cabin window to airplanes with stretched acrylic panes.<br>Effectivity - 226 TC-213 & up, AT-025, 027 & up; 227 AC, AT, BC, CC, DC                                         |
| 27K22008      | Access Panel Installation<br>Installs Access Panels at specific locations on the Upper Fuselage Skin forward of Pilot's and Co-Pilots Windshields.<br>Effectivity - 226; 227 AC, AT, TT, BC, CC, DC                                   |
| 27K23013      | Kit-Outflow Valve Mtg Plate Instl and Details<br>Effectivity - 227 AC, AT, TT, BC, CC, DC                                                                                                                                             |



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| <b>NUMBER</b> | <b>DESCRIPTION</b>                                                                                                                                                                                                                                                               |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 27K24009      | Passenger Door Improvement<br>Adds angles and frames to lower door structure (top step). Replaces outer skin and rivets to increase the service life of the door. Also see 27K24151.<br>Effectivity - 226 & 227 w/27-24040 Door only                                             |
| 27K24149      | Cargo Door Handle Cover Installation<br>Installs a cover over the Cargo Door Handle to keep inquisitive passengers in lavatory from accidentally opening the door.<br>Effectivity - 227 AC, BC, CC, DC with lavatory                                                             |
| 27K24151      | Passenger Door Hinge Area Reinforcement<br>Beefs-up frames of lower door (top step), use with 27K24009.<br>Effectivity - 226 & 227                                                                                                                                               |
| 27K24180      | Cabin Door Seal Purge Installation<br>Installs a low point fitting to trap and drain, or purge, moisture from inside the cabin door seal. {Works well}<br>Effectivity - 226 & 227                                                                                                |
| 27K24181      | Cargo Door Wear Strip Installation<br>Installs a stainless steel wear strip on the cargo door sill. Installs an aluminum strip (bumper) on the fuselage just below the door. Prevents damage during loading and unloading. {Works well}<br>Effectivity - 226 TC, AT, 227, AC, AC |
| 27K24182      | Cabin Door Hinge Reinforcement<br>Installs doublers on cabin door and fuselage to reinforce the area. Also installs stainless steel hinge half on fuselage.<br>Effectivity - 226 & 227                                                                                           |
| 27K24191      | Door Surround Repair Doubler Installation<br>Installs repair doubler/tripler to address cracking of the door surround on aircraft with bayonet shear pin door latching mechanism (as opposed to a "click-clack" mechanism).<br>Effectivity - 227 AC, AT, BC, CC, DC              |
| 27K24192      | Folding Step Installation<br>Installs folding step on lower existing step of cabin door. Makes first step closer to the ground for easier entrance.<br>Effectivity - 227                                                                                                         |
| 27K31010      | Fuel Filler Protection Plate<br>Installs a doubler around the fuel filler to protect upper wing skin from damage by fueling operations. {Works well}<br>Effectivity - 226 & 227                                                                                                  |
| 27K31014      | Recognition Light Installation, 226<br>Installs wing tip recognition light.<br>Effectivity - 226                                                                                                                                                                                 |
| 27K31018      | Fuel Containment Barrier<br>Allows removal of the Fuel Foam Block by installing a barrier in the wheelwell. {Works well}<br>Effectivity - 226 & 227                                                                                                                              |
| 27K33000      | Main Spar Web Doubler Installation<br>Provides repair doublers for Main Spar Web.<br>Effectivity - 226, 227 TT, AC, AT, BC, CC, DC                                                                                                                                               |



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## TECHNICAL PUBLICATIONS INDEX

| <b>NUMBER</b> | <b>DESCRIPTION</b>                                                                                                                                                                                              |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 27K35039      | Keelson Reinforcement<br>Installs reinforcing angle on lower keelson at NS 160-168. Strengthens a cutout.<br>Effectivity - 226 T(B); 227 AC, AT, BC, CC, DC                                                     |
| 27K35096      | GPU Door Modification<br>Adds extension and camlock to fasten GPU Door closed instead of the spring.<br>Effectivity - 226 AT, TC; 227 AC, AT without door relocated                                             |
| 27K36073      | Flap Actuator Seal<br>Provides kits to replace seals in Berteau 235700-101 and Ronson 76C76606 actuators.<br>Effectivity - 226 T, TC, AT                                                                        |
| 27K36076      | Flap Abrasion Strip Installation<br>Installs teflon strip on flap to match wing fairing. Prevents flap skin rubs.<br>Effectivity - 226 & 227                                                                    |
| 27K36077      | Foreflap Adjust<br>Provides templates to check foreflap location on flap, and modification to adjust the position. Alleviates foreflap rub in the flap well.<br>Effectivity - 226 & 227                         |
| 27K43004      | Stabilizer Bushing Change<br>Creates tools for replacing Horizontal Stabilizer Trunnion Bushings.<br>Effectivity - All 226 & 227                                                                                |
| 27K44002      | Stick Pusher Servo Modification<br>Moves servo mount bolts and clinch nuts to make servo easier to replace.<br>Effectivity - 227 AC, AT                                                                         |
| 27K50001      | Universal Landing Gear Seal Kit<br>Creates kits with Backup Rings, Packing, Scrapers, GT Ring Assemblies, and Buttons.<br>Effectivity - 226 & 227                                                               |
| 27K53001      | Landing Gear Shock Strut Wear Bushings<br>Provides limits and repairs for wear points on MLG & NLG, 14,500 pound or lower struts.<br>Effectivity - 226, 227 not 16,000 pound                                    |
| 27K55001      | Swivel Assembly - MLG Door<br>Repair installs NAS bushing in 27-55001-033.<br>Effectivity - 27-55001-033 Swivel Assembly only.                                                                                  |
| 27K61003      | Control Installation, Power Plant<br>Creates kit part numbers for alternate high quality cost effective engine control cable installations.<br>Effectivity - 226 (except T201-248) & 227 AC, AT, TT, BC, CC, DC |
| 27K62005      | Quick Engine Change Kit<br>Creates kit part numbers for several configurations based on 27-62099 Engine Installations only.<br>Effectivity - 227 AC, AT, TT, BC, CC, DC                                         |
| 27K62008      | JATO Assy Aft Fuselage Removal Kit<br>Provides procedures to remove JATO installation.<br>Effectivity - 226 AT, TC w/JATO                                                                                       |
| 27K64000      | Fuel Low Pressure Warning<br>Installs warning light required for Italian Certification.<br>Effectivity - 227 DC                                                                                                 |



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| <b>NUMBER</b> | <b>DESCRIPTION</b>                                                                                                                                                                                                  |
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| 27K66005      | Oil Dipstick Improvement<br>Adds FULL and ADD lines to improve accuracy of oil level dipstick.<br>Effectivity - 226 T300-417, TC299-419                                                                             |
| 27K70000      | Cable Tighteners<br>Adds spacers and links on Elevator Quadrant and Aileron/Rudder Interconnect to avoid having to replace stretched cables in some cases.<br>Effectivity - 226 & 227                               |
| 27K80001      | Hose Reroute Kit - Hyd "Mule" to A/C<br>Provides 45° angled tubes for hydraulic service cart so hoses will clear lower cowl.<br>Effectivity - 227                                                                   |
| 27K81026      | Seal, Landing Gear Actuator<br>Provides seal kits for Ronson 76C76604 & 76C76605, Bertea 235600-101 & -103 Actuators.<br>Effectivity - 226 & 227                                                                    |
| 27K82002      | Pre Heater Kit - Engines & Nose Baggage Gyros<br>Installs Tanis Heaters on LH and RH engines and Gyros<br>Effectivity - 226 TC, AT; 227 AC, AT, BC, CC, DC                                                          |
| 27K82010      | Windshield Overheat Monitoring System<br>Installs Windshield Overheat Monitoring System for Windshield P/N 27-19482-001/-002 to prevent windshield overheat.<br>Effectivity - 226 (All), 227 AC, AT, TT, BC, CC, DC |
| 27K82090      | Flight Data Recorder - (F1000) Field Installation<br>Installs F1000 Flight Data Recorder<br>Effectivity - 227 AC, AT                                                                                                |
| 27K82186      | Landing Gear Indicator w/ Remote PTT & Dim<br>Modifies dimming circuit. For use with replacement 27-82186-67 Gear Indicator.<br>Effectivity - 227 AC, AT, BC, CC, DC, C-26B retrofitting 27-82186-67.               |
| 27K82207      | Annunciator & Ignition Lamp Dimming<br>Modifies dimming circuit for Ignition Lights and new 27-19347-1 or -3 Ann Panel.<br>Effectivity - 227 AC, AT, BC, CC, DC retrofitting 27-19347 -1 or -3.                     |
| 27K82208      | SAS Power Advance Indicator Lights Modification<br>Instruction for the replacement of SAS Power Advance Lamps in the SAS Indicator Housing.<br>Effectivity - 227 CC, DC                                             |
| 27K82224      | Windshield Wiper Kit Wiring & Installation<br>Modifies parking circuit on Control Assembly to keep Wiper Motor and Control Panel from burning out.<br>Effectivity - 227 AC, AT, BC, CC, DC                          |
| 27K82376      | Current Limiter Rebussing<br>See Service Bulletins 226-24-034, 227-24-015, CC7-24-002.                                                                                                                              |
| 27K82500      | Cabin Air Temp Sensor Relocation<br>Relocates cabin air temperature sensor for improved performance<br>Effectivity - T201-275, 277, 278, 280, 281; AT001-061; TC201-231, 233, 234, 236.                             |
| 27K82795      | ELT110 Installation<br>Installs Artex ELT replacing Narco which is getting scarce.<br>Effectivity - 226 AT, TC; 227 AC, AT, BC, CC, DC                                                                              |



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| <b>NUMBER</b> | <b>DESCRIPTION</b>                                                                                                                                                                                                                            |
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| 27K82818      | Trim-In-Motion Tone Generator Installation<br>Replaces Sonalert horn with a tone generator into audio panels. Trim motion indicated by tone in headsets.<br>Effectivity - ALL SA227                                                           |
| 27K82821      | Flap Position Indication Separated From Flap Control Circuit<br>See Service Bulletins 227-27-043 or CC7-27-012.<br>Effectivity - 227 AC, AT, BC, CC, DC, C-26B                                                                                |
| 27K84007      | Door Seal - Window Purge Water Removal<br>Replaces door seal air water separator and filter with a drain orifice at the low point in the line. Keeps moisture out of the door seals and saves weight. {Works well}<br>Effectivity - ALL SA227 |
| 27K84008      | Dual Bleed Control Air Installation<br>Provides two settings for Bleed Air system. Low setting allows more engine power available for takeoff.<br>Effectivity - 227 AC, AT                                                                    |
| 27K84010      | Outflow Valve Filter Installation<br>Moves Outflow Valve Filter to Aft Equipment Shelf for accessibility and adds a StaDri filter for moisture removal. {Works well}<br>Effectivity - 227 AC, AT, BC, CC, DC                                  |
| 27K84015      | Suction Gauge Removal<br>Instruction to remove gauge if not required, and cap and stow lines and wiring.<br>Effectivity - 227 CC, DC                                                                                                          |
| 27K85015      | Anti-Skid/Power Brake System<br>Installs system.<br>Effectivity - 227 AC, BC, CC, DC                                                                                                                                                          |
| 27K85019      | Parking Brake Cable Retainer<br>Eliminates preloading brake cable by improving alignment with retainer.<br>Effectivity - 227 CC, DC                                                                                                           |
| 27K90030      | Metro Chair<br>Installs 27K90567 Cabin Chairs to replace 27-91003 Chairs. New style seats in older airplanes.<br>Effectivity - 226 TC; 227 AC                                                                                                 |
| 27K90032      | Improved Bulkhead Base Installation<br>Modifies Cargo Bulkhead in center of Cargo Compartment by removing lower Fittings on aft side. Provides smooth corner to preclude damage to cargo.<br>Effectivity - 226 TC; 227 AC, AT, BC, CC, DC     |
| 27K90033      | Improved Cargo Bulkhead Installation<br>Modifies Cargo Bulkhead at FS 435 by removing lower Fittings on aft side. Provides smooth corner to preclude damage to cargo.<br>Effectivity - 226 TC; 227 AC, AT, BC, CC, DC                         |
| 27K90034      | Clipboard Kit - Control Wheel<br>Simple sheet metal clipboard to attach to Control Wheel.<br>Effectivity - 227                                                                                                                                |
| 27K90035      | External Environmental Port<br>Installs external port in RH aft fuselage to connect air conditioning/heating unit.<br>Effectivity - ECP 702                                                                                                   |



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| <b>NUMBER</b> | <b>DESCRIPTION</b>                                                                                                                                                                                                                                                                                                                                                        |
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| 27K90041      | Lav and/or Smoke Detector Mod<br>Installs Smoke Detector in Aft Lavatory.<br>Installs Fire Extinguisher for Trashcan and RETURN TO SEAT sign on Aft Lav Bulkhead.<br>Installs Life Vest/Oxygen and Emergency Hatch Placards on Exit Row Seats.<br>(Required for Canadian Certification, but available if these features are desired.)<br>Effectivity - 227 AC, BC, CC, DC |
| 27K90091      | Ladder Retainer Kit<br>Installs swivel fitting on aft side of Cargo Door to attach Ladder.<br>Effectivity - 227 AC, AT, BC, CC, DC w/ladder                                                                                                                                                                                                                               |
| 27K90113      | Oxygen Outlet Installation, Aft Middle Seat<br>Adds an oxygen outlet for a middle seat.<br>Effectivity - 227 AT, BC                                                                                                                                                                                                                                                       |
| 27K90288      | Shoulder Harness Wear Plate<br>Installs Wear Plate on Crew Seat Back so Shoulder Harness will not wear seat cover.<br>Effectivity - 226 & 227                                                                                                                                                                                                                             |
| 27K90566      | Cabin Chair Repair<br>Installs plug repairs in Seat Back Tubes. Repairs 27-90565-085, -086, -087, -088.<br>Effectivity - 227 AC, AT, BC, CC, DC                                                                                                                                                                                                                           |
| 27K90571      | Executive Seat Installation Modification<br>Modifies standard seat tracks to accept executive seats.<br>Effectivity - 227 CC, DC                                                                                                                                                                                                                                          |
| 27K90572      | Ashtray Plug Kit<br>Plugs Ashtray Cup. Modifies Cup when ashtrays are removed from no-smoking airplanes.<br>Effectivity - 227 AC, BC                                                                                                                                                                                                                                      |
| 27K90630      | Insulation Installation (FS 0 - 530)<br>Installs improved Microlite insulation which will not absorb moisture.<br>Effectivity - 227 AC, AT, CC, DC, C-26B thru serial number 839                                                                                                                                                                                          |
| 27K90631      | Thermal Insulation Installation (FS 530 - 590)<br>Installs improved Microlite insulation which will not absorb moisture.<br>Effectivity - 227 AC, AT, CC, DC, C-26B thru serial number 839                                                                                                                                                                                |
| 27K90656      | Crash Axe Installation<br>Installs axe on FS 133 partition.<br>Effectivity - 227 CC, DC                                                                                                                                                                                                                                                                                   |
| 27K90683      | Curtain Installation - Forward Coat Closet<br>Installs curtain assembly on coat closet.<br>Effectivity - 227 CC, DC                                                                                                                                                                                                                                                       |
| 27K90686      | Crew Seat Armrest Modification<br>Modifies inboard armrest so height matches outboard armrest.<br>Effectivity - All 227 with 27-90290 Crew Seats                                                                                                                                                                                                                          |
| 27K90881      | Cargo Door Sill Protector<br>Installs fold-down stainless cover over sill to protect sill from loading damage and protect receptacles from foreign material. {Works well}<br>Effectivity - 226 TC, AT; 227 AC, AT, BC, CC, DC                                                                                                                                             |



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| <b>NUMBER</b> | <b>DESCRIPTION</b>                                                                                                                                                                                                                   |
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| 27K91030      | Instructions, Seat Back Extensions<br>Instructions for attaching 27-91030-7 and -9 Extensions to 27-91003 METRO Seats.<br>Effectivity - 226 TC; 227 AC w/27-91003 Seats                                                              |
| 32K84000      | Hot Air Duct Muffler Installation<br>Installs four mufflers in Cabin Air Distribution Tubes to reduce air flow noise.<br>Effectivity - 227 AC, BC                                                                                    |
| 32K84002      | Distribution System Installation - Cabin Air Condition<br>Replaces/repairs Cabin Air Tube Assemblies on 32-84300-5 Installation. Replaces metal tubes with hoses to preclude tubes and outlets cracking.<br>Effectivity - 227 AC, BC |
| 32K84308      | Conditioned Air Distribution Duct Mod<br>Eliminates distribution of heated conditioned air below floor in center cabin.<br>SA227 - AT, AC, BC, CC and DC (with flat cargo floor in cabin).                                           |