

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Revision: 1
Date: 09/22/2003

WASHINGTON, D.C.

M A S T E R M I N I M U M E Q U I P M E N T L I S T

K-1200

Federal Aviation Administration
FORT WORTH, TX 76193-0270

TELEPHONE: (817) 222-5270
FAX: (817) 222-5295

K-1200

Table of Contents

| SYSTEM NO. | SYSTEM | PAGE |
|------------|-------------------------------------|------------------|
| -- | Table of Contents | I |
| -- | Log of Revisions | II |
| -- | Control Page | III |
| -- | Highlights of Change | IV |
| -- | Definitions | V, VI, VII, VIII |
| -- | Definitions | IX, X, XI, XII |
| -- | Preamble | XIII, XIV |
| -- | Guidelines for (O) & (M) Procedures | XV |
| 21 | Air Conditioning | 21-1 |
| 22 | Auto Flight | 22-1 |
| 23 | Communications | 23-1 |
| 24 | Electrical Power | 24-1 |
| 25 | Equipment/Furnishings | 25-1 |
| 26 | Fire Protection | 26-1 |
| 27 | Flight Controls | 27-1 |
| 28 | Fuel | 28-1 |
| 30 | Ice and Rain Protection | 30-1 |
| 31 | Indicating/Recording Systems | 31-1 |
| 32 | Landing Gear | 32-1 |
| 33 | Lights | 33-1, 2 |
| 34 | Navigation | 34-1, 2 |
| 53 | Fuselage | 53-1 |
| 56 | Windows | 56-1 |
| 65 | Rotors | 65-1 |
| 71 | Powerplant | 71-1 |
| 77 | Engine Indicating | 77-1 |
| 79 | Engine Oil | 79-1 |

K-1200

Log of Revisions

| REV.NO. | DATE | PAGE NUMBERS | INITIALS |
|---------|------------|---------------------------------|----------|
| 1 | 09/22/2003 | HIGHLIGHTS OF REV., DEFINITIONS | |
| 1 | 09/22/2003 | 23-1 | |

K-1200

Control Page

| SYSTEM | PAGE | REV NO. | CURRENT DATE |
|-------------------------------------|------|----------|--------------|
| Cover Page | - | 1 | 09/22/2003 |
| Table of Contents | I | 1 | 09/22/2003 |
| Log of Revisions | II | 1 | 09/22/2003 |
| Control Page | III | 1 | 09/22/2003 |
| Highlights of Change | IV | 1 | 09/22/2003 |
| Definitions | V | 6 | 01/31/1995 |
| | VI | 6 | 01/31/1995 |
| | VII | 6 | 01/31/1995 |
| | VIII | 6 | 01/31/1995 |
| | IX | 6 | 01/31/1995 |
| | X | 6 | 01/31/1995 |
| | XI | 6 | 01/31/1995 |
| | XII | 6 | 01/31/1995 |
| Preamble | XIII | 2 | 06/14/1989 |
| | XIV | 2 | 06/14/1989 |
| Guidelines for (O) & (M) Procedures | XV | ORIGINAL | 11/02/1994 |
| 21 | 21-1 | ORIGINAL | 11/02/1994 |
| 22 | 22-1 | ORIGINAL | 11/02/1994 |
| 23 | 23-1 | 1 | 09/22/2003 |
| 24 | 24-1 | ORIGINAL | 11/02/1994 |
| 25 | 25-1 | ORIGINAL | 11/02/1994 |
| 26 | 26-1 | ORIGINAL | 11/02/1994 |
| 27 | 27-1 | ORIGINAL | 11/02/1994 |
| 28 | 28-1 | ORIGINAL | 11/02/1994 |
| 30 | 30-1 | ORIGINAL | 11/02/1994 |
| 31 | 31-1 | ORIGINAL | 11/02/1994 |
| 32 | 32-1 | ORIGINAL | 11/02/1994 |
| 33 | 33-1 | ORIGINAL | 11/02/1994 |
| | 33-2 | ORIGINAL | 11/02/1994 |
| 34 | 34-1 | ORIGINAL | 11/02/1994 |
| | 34-2 | ORIGINAL | 11/02/1994 |
| 53 | 53-1 | ORIGINAL | 11/02/1994 |
| 56 | 56-1 | ORIGINAL | 11/02/1994 |
| 65 | 65-1 | ORIGINAL | 11/02/1994 |
| 71 | 71-1 | ORIGINAL | 11/02/1994 |
| 77 | 77-1 | ORIGINAL | 11/02/1994 |
| 79 | 79-1 | ORIGINAL | 11/02/1994 |

K-1200

Highlights of Change

REVISION 1

1. Revised fax number on cover page.
2. ATA 23 item 3 Provided relief for Personnel Carrying Device System (PCDS) Intercommunications System (ICS).

K-1200

Definitions

1. System Definitions.

System numbers are based on the Air Transport Association (ATA) Specification Number 100 and items are numbered sequentially.

- a. "Item" (Column 1) means the equipment, system, component, or function listed in the "Item" column.
- b. "Number Installed" (Column 2) is the number (quantity) of items normally installed in the aircraft. This number represents the aircraft configuration considered in developing this MMEL. Should the number be a variable (e.g., passenger cabin items) a number is not required.
- c. "Number Required for Dispatch" (Column 3) is the minimum number (quantity) of items required for operation provided the conditions specified in Column 4 are met.

NOTE: Where the MMEL shows a variable number required for dispatch, the MEL must reflect the actual number required for dispatch or an alternate means of configuration control approved by the Administrator.

- d. "Remarks or Exceptions" (Column 4) in this column includes a statement either prohibiting or permitting operation with a specific number of items inoperative, provisos (conditions and limitations) for such operation, and appropriate notes.
- e. A vertical bar (change bar) in the margin indicates a change, addition or deletion in the adjacent text for the current revision of that page only. The change bar is dropped at the next revision of that page.

2. "Airplane/Rotorcraft Flight Manual" (AFM/RFM) is the document required for type certification and approved by the responsible FAA Aircraft Certification Office. The FAA approved AFM/RFM for the specific aircraft is listed on the applicable Type

K-1200

Definitions

Certificate Data Sheet.

3. "As required by FAR" means that the listed item is subject to certain provisions (restrictive or permissive) expressed in the Federal Aviation Regulations operating rules. The number of items required by the FAR must be operative. When the listed item is not required by FAR it may be inoperative for time specified by repair category.

4. Each inoperative item must be placarded to inform and remind the crewmembers and maintenance personnel of the equipment condition.

NOTE: To the extent practical, placards should be located adjacent to the control or indicator for the item affected; however, unless otherwise specified, placard wording and location will be determined by the operator.

5. "-" symbol in Column 2 and/or Column 3 indicates a variable number (quantity) of the item installed.

6. "Deleted" in the remarks column after a sequence item indicates that the item was previously listed but is now required to be operative if installed in the aircraft.

7. "ER" refers to extended range operations of a two-engine airplane which has a type design approval for ER operations and complies with the provisions of Advisory Circular 120-42A.

8. "Federal Aviation Regulations" (FAR) means the applicable portions of the Federal Aviation Act and Federal Aviation Regulations.

9. "Flight Day" means a 24 hour period (from midnight to midnight) either Universal Coordinated Time (UCT) or local time, as established by the operator, during which at least one flight is initiated for the affected aircraft.

10. "Icing Conditions" means an atmospheric environment that may cause ice to form on the aircraft or in the engine(s).

11. Alphabetical symbol in Column 4 indicates a proviso (condition or limitation) that must be complied with for

K-1200

Definitions

operation with the listed item inoperative.

12. "Inoperative" means a system and/or component malfunction to the extent that it does not accomplish its intended purpose and/or is not consistently functioning normally within its approved operating limit(s) or tolerance(s).

13. "Notes:" in Column 4 provides additional information for crewmember or maintenance consideration. Notes are used to identify applicable material which is intended to assist with compliance, but do not relieve the operator of the responsibility for compliance with all applicable requirements. Notes are not a part of the provisos.

14. Inoperative components of an inoperative system: Inoperative items which are components of a system which is inoperative are usually considered components directly associated with and having no other function than to support that system. (Warning/caution systems associated with the inoperative system must be operative unless relief is specifically authorized per the MMEL).

15. "(M)" symbol indicates a requirement for a specific maintenance procedure which must be accomplished prior to operation with the listed item inoperative. Normally these procedures are accomplished by maintenance personnel; however, other personnel may be qualified and authorized to perform certain functions. Procedures requiring specialized knowledge or skill, or requiring the use of tools or test equipment should be accomplished by maintenance personnel. The satisfactory accomplishment of all maintenance procedures, regardless of who performs them, is the responsibility of the operator. Appropriate procedures are required to be published as part of the operator's manual or MEL.

16. "(O)" symbol indicates a requirement for a specific operations procedure which must be accomplished in planning for and/or operating with the listed item inoperative. Normally these procedures are accomplished by the flight crew; however, other personnel may be qualified and authorized to perform certain functions. The satisfactory accomplishment of all procedures, regardless of who performs them, is the responsibility of the operator. Appropriate procedures are

K-1200

Definitions

required to be published as a part of the operator's manual or MEL.

NOTE: The (M) and (O) symbols are required in the operator's MEL unless otherwise authorized by the Administrator.

17. "Deactivated" and "Secured" means that the specified component must be put into an acceptable condition for safe flight. An acceptable method of securing or deactivating will be established by the operator.

18. "Visual Flight Rules" (VFR) is as defined in FAR Part 91. This precludes a pilot from filing an Instrument Flight Rules (IFR) flight plan.

19. "Visual Meteorological Conditions" (VMC) means the atmospheric environment is such that would allow a flight to proceed under the visual flight rules applicable to the flight. This does not preclude operating under Instrument Flight Rules.

20. "Visible Moisture" means an atmospheric environment containing water in any form that can be seen in natural or artificial light; for example, clouds, fog, rain, sleet, hail, or snow.

21. "Passenger Convenience Items" means those items related to passenger convenience, comfort or entertainment such as, but not limited to, galley equipment, movie equipment, ash trays, stereo equipment, overhead reading lamps, etc.

22. Repair Intervals: All users of an MEL approved under FAR 121, 125, 129 and 135 must effect repairs of inoperative systems or components, deferred in accordance with the MEL, at or prior to the repair times established by the following letter designators:

Category A. Items in this category shall be repaired within the time interval specified in the remarks column of the operator's approved MEL.

Category B. Items in this category shall be repaired within three (3) consecutive calendar days (72 hours), excluding the day the malfunction was recorded in the aircraft maintenance

K-1200

Definitions

record/logbook. For example, if it were recorded at 10 a.m. on January 26th, the three day interval would begin at midnight the 26th and end at midnight the 29th.

Category C. Items in this category shall be repaired within ten (10) consecutive calendar days (240 hours), excluding the day the malfunction was recorded in the aircraft maintenance record/logbook. For example, if it were recorded at 10 a.m. on January 26th, the 10 day interval would begin at midnight the 26th and end at midnight February 5th.

Category D. Items in this category shall be repaired within one hundred and twenty (120) consecutive calendar days (2880 hours), excluding the day the malfunction was recorded in the aircraft maintenance log and/or record.

The letter designators are inserted adjacent to Column 2.

23. Electronic fault alerting system - General

New generation aircraft display system fault indications to the flight crew by use of computerized display systems. Each aircraft manufacturer has incorporated individual design philosophies in determining the data that would be represented. The following are customized definitions (specific to each manufacturer) to help determine the level of messages affecting the aircraft's dispatch status. When preparing the MEL document, operators are to select the proper Definition No. 23 for their aircraft, if appropriate.

a. BOEING (B-757/767, B-747-400, B-777)

Boeing airplanes equipped with Engine Indicating and Crew Alerting Systems (EICAS), provide different priority levels of system messages (WARNING, CAUTION, ADVISORY, STATUS and MAINTENANCE). Any messages that affects airplane dispatch status will be displayed at a STATUS message level or higher. The absence of an EICAS STATUS or higher level (WARNING, CAUTION, ADVISORY) indicates that the system/component is operating within its approved operating limits or tolerances.

System conditions that result only in a maintenance level message, i.e. no correlation with a higher level EICAS message,

K-1200

Definitions

do not affect dispatch and do not require action other than as addressed within an operators standard maintenance program.

b. DOUGLAS (MD-11)

Some Douglas aircraft are equipped with an alerting function which is a subsystem within the Electronic Instrument System (EIS). The alerting function provides various levels of system condition alerts (WARNING, CAUTION, ADVISORY, MAINTENANCE and STATUS).

Alerts that affect aircraft dispatch will include WARNING, CAUTION, STATUS or MAINTENANCE level. MAINTENANCE alerts are displayed on the status page of the EIS display panel under the maintenance heading.

A MAINTENANCE alert on the EIS indicates the presence of a system fault which can be identified by the Central Fault Display System (CFDS) interrogation. The systems are designed to be fault tolerant, however, for any MAINTENANCE alert, the MEL must be verified for dispatch purposes.

c. AIRBUS (A-300-600, A-310, A-320/319/321, A-330, A-340)

Airbus aircraft equipped with Electronic Centralized Aircraft Monitoring (ECAM) provide different levels of system condition messages (WARNING, CAUTION, STATUS, and ADVISORY). A-320/319/321, A-330, and A-340 also provide MAINTENANCE status messages.

Any message that effects airplane dispatchability will normally be at the WARNING, CAUTION or STATUS level. MAINTENANCE messages (A-320/319/321, A-330, and A-340 only) are also indicated on ECAM Status Page below the white Maintenance label.

A MAINTENANCE status (Class II) message on ECAM indicates the presence of a system fault which can be identified by CFDS (A-320/319/321) or CMS (A-330/A-340) interrogation. The systems are designed to be fault tolerant, however for any MAINTENANCE status (Class II) message, the A-320/319/321 MEL must be verified for dispatch capability. For the A-330 and A-340, MAINTENANCE status messages do not affect dispatch.

d. FOKKER (FK-100)

K-1200

Definitions

Fokker aircraft are equipped with Multi Function Display System (MFDS) which provides electronic message referring to the different priority levels of system information (WARNING (red), CAUTION (amber), AWARENESS (cyan) AND STATUS (white). Any messages that affects aircraft dispatch will be at the WARNING, CAUTION or AWARENESS level. In these cases the MEL must be verified for dispatch capability and maintenance may be required.

System conditions that only require maintenance are not presented on the flight deck. These maintenance indications/messages may be presented on the Maintenance & Test Panel (MAP) or the Centralized Fault Display Unit (CFDU) and by dedicated Built In Test Evaluation (BITE) of systems.

24. "Administrative control item" means an item listed by the operator in the MEL for tracking and informational purposes. It may be added to an operator's MEL by approval of the Principal Operations Inspector provided no relief is granted, or provided conditions and limitations are contained in an approved document (i.e. Structural Repair Manual, airworthiness directive, etc.). If relief other than that granted by an approved document is sought for an administrative control item, a request must be submitted to the Administrator. If the request results in review and approval by the FOEB, the item becomes an MMEL item rather than an administrative control item.

25. "****" symbol in Column 1 indicates an item which is not required by regulation but which may have been installed on some models of aircraft covered by this MMEL. This item may be included on the operator's MEL after the approving office has determined that the item has been installed on one or more of the operator's aircraft. The symbol, however, shall not be carried forward into the operator's MEL. It should be noted that neither this policy nor the use of this symbol provide authority to install or remove an item from an aircraft.

26. "Excess Items" means those items that have been installed that are redundant to the requirements of the FARs.

27. "Day of Discovery" is the calendar day an equipment/instrument malfunction was recorded in the aircraft

K-1200

Definitions

maintenance log and or record. This day is excluded from the calendar days or flight days specified in the MMEL for the repair of an inoperative item of equipment. This provision is applicable to all MMEL items, i.e., categories "A, B, C, and D."

K-1200

Preamble
(Effective 6/14/89)

The following is applicable for authorized certificate holders operating under Federal Aviation Regulations (FAR) Parts 121, 125, 129, 135: The FAR require that all equipment installed on an aircraft in compliance with the Airworthiness Standards and the Operating Rules must be operative. However, the Rules also permit the publication of a Minimum Equipment List (MEL) where compliance with certain equipment requirements is not necessary in the interests of safety under all operating conditions. Experience has shown that with the various levels of redundancy designed into aircraft, operation of every system or installed component may not be necessary when the remaining operative equipment can provide an acceptable level of safety. A Master Minimum Equipment List (MMEL) is developed by the FAA, with participation by the aviation industry, to improve aircraft utilization and thereby provide more convenient and economic air transportation for the public. The FAA approved MMEL includes those items of equipment related to airworthiness and operating regulations and other items of equipment which the Administrator finds may be inoperative and yet maintain an acceptable level of safety by appropriate conditions and limitations; it does not contain obviously required items such as wings, flaps, and rudders. The MMEL is the basis for development of individual operator MELs which take into consideration the operator's particular aircraft equipment configuration and operational conditions. Operator MELs, for administrative control, may include items not contained in the MMEL; however, relief for administrative control items must be approved by the Administrator. An operator's MEL may differ in format from the MMEL, but cannot be less restrictive than the MMEL. The individual operator's MEL, when approved and authorized, permits operation of the aircraft with inoperative equipment.

Equipment not required by the operation being conducted and equipment in excess of FAR requirements are included in the MEL with appropriate conditions and limitations. The MEL must not deviate from the Aircraft Flight Manual Limitations, Emergency Procedures or with Airworthiness Directives. It is important to remember that all equipment related to the airworthiness and the operating regulations of the aircraft not listed on the MMEL must be operative.

K-1200

Preamble
(Effective 6/14/89)

Suitable conditions and limitations in the form of placards, maintenance procedures, crew operating procedures and other restrictions as necessary are specified in the MEL to ensure that an acceptable level of safety is maintained.

The MEL is intended to permit operation with inoperative items of equipment for a period of time until repairs can be accomplished. It is important that repairs be accomplished at the earliest opportunity. In order to maintain an acceptable level of safety and reliability the MMEL establishes limitations on the duration of and conditions for operation with inoperative equipment. The MEL provides for release of the aircraft for flight with inoperative equipment. When an item of equipment is discovered to be inoperative, it is reported by making an entry in the Aircraft Maintenance Record/Logbook as prescribed by FAR. The item is then either repaired or may be deferred per the MEL or other approved means acceptable to the Administrator prior to further operation. MEL conditions and limitations, do not relieve the operator from determining that the aircraft is in condition for safe operation with items of equipment inoperative.

When these requirements are met, an Airworthiness Release, Aircraft Maintenance Record/Logbook entry, or other approved documentation is issued as prescribed by FAR. Such documentation is required prior to operation with any item of equipment inoperative.

Operators are responsible for exercising the necessary operational control to ensure that an acceptable level of safety is maintained. When operating with multiple inoperative items, the interrelationships between those items and the effect on aircraft operation and crew workload will be considered.

Operators are to establish a controlled and sound repair program including the parts, personnel, facilities, procedures, and schedules to ensure timely repair.

WHEN USING THE MEL, COMPLIANCE WITH THE STATED INTENT OF THE PREAMBLE, DEFINITIONS, AND THE CONDITIONS AND LIMITATIONS SPECIFIED IN THE MEL IS REQUIRED.

K-1200

Guidelines for (O) & (M) Procedures

- 21.1 (M) Procedure to inspect bleed air defog system for leaks and deactivate/secure system.
- 21.2 (M) Procedure to inspect bleed air heating system for leaks and deactivate/secure system.
- 21.3 (M) Procedure to inspect air conditioner, ensure drive system is not restricted, and deactivate/secure system.
- 22.1 (O) Procedure to deactivate/secure force trim system and collar circuit breaker.
- 24.2 (M) Procedure to inspect, deactivate or remove battery, secure cables and ensure ballast is installed or weight and balance is adjusted as appropriate.
- 28.1 (O) Procedure to ensure an alternate approved method is utilized for determining fuel quantity.
- 30.2 (M) Procedure to inspect anti-ice system, deactivate and secure anti-ice valve in the closed position.
- 31.2 (O) Procedure to ensure an alternate means is utilized for recording time in service.
- 31.3 (O) Procedure to ensure an alternate means is utilized for determining weight of external load.
- 32.1 (O) Procedure to ensure check is performed prior to flight and verifies the nose wheel is free to swivel.
- 65.1 (O) Procedure for visually checking that rotor brake disc is free to rotate and pucks are not dragging.

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

21-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|--------------------------------|----|---------------------|---------------------------------|--------------------------------------------------------------------|
| | | | | 3. NUMBER REQUIRED FOR DISPATCH | |
| 21 | AIR CONDITIONING | | | | |
| 1. | Bleed Air Defogging System | C | 1 | 0 | (M) May be inoperative provided system is deactivated and secured. |
| 2. | Bleed Air Heating System | C | 1 | 0 | (M) May be inoperative provided system is deactivated and secured. |
| 3. | Air Conditioner *** (Freon) | C | - | 0 | (M) |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: 1

PAGE:

DATE: 09/22/2003

23-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | 3. NUMBER REQUIRED FOR DISPATCH | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|------------------------------------------------------------------------------|----|---------------------|---------------------------------|--------------------------|
| 23 | COMMUNICATIONS | | | | |
| 1. | Communications System: (FM, HF, UHF, VHF, etc.) | C | - | 0 | As required by FAR. |
| 2. | External Loud *** Speaker | D | - | 0 | |
| 3. | Personnel Carrying *** Device System (PCDS) Intercommunications System (ICS) | D | - | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

24-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | 3. NUMBER REQUIRED FOR DISPATCH | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|-----------------------------------|----|---------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 24 | ELECTRICAL POWER | | | | |
| 1. | Generator Caution System | B | 1 | 0 | May be inoperative provided ammeter is operative. |
| 2. | Cold Weather Starting Kit Battery | D | - | 0 | (M)May be inoperative provided: a) Battery is disconnected and electrical cables are secured, and b) Battery remains installed. OR c) Battery is removed, and d) Appropriate ballast is installed. OR e) Battery is removed, and f) Weight and balance is revised. |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

25-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|-----------------------------------------|----|---------------------------------|---|----------------------------------------------------------------------------------------------------|
| | | | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 25 | EQUIPMENT/FURNISHINGS | | | | |
| 1. | Cargo Suspension System | | | | |
| | a) Cargo Hook | D | 1 | 0 | May be inoperative provided External Load operations are not conducted. |
| | b) Cargo Hook Manual Release | D | 1 | 0 | May be inoperative provided External Load operations are not conducted. |
| | c) Cargo Hook Electrical Release | D | 2 | 0 | May be inoperative provided system is deactivated and secured and the manual release is operative. |
| | d) Long Line Electrical release | D | 2 | 0 | May be inoperative provided system is deactivated and secured and the manual release is operative. |
| 2. | Emergency Locator *** Transmitter (ELT) | D | - | 0 | |
| 3. | Flotation *** Inflation System | D | - | 0 | |
| 4. | Sonic Locator *** | D | - | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

26-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | 3. NUMBER REQUIRED FOR DISPATCH | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|----------------------------|----|---------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26 | FIRE PROTECTION | | | | |
| 1. | Portable Fire Extinguisher | D | - | - | Any in excess of those required by FAR may be inoperative or missing provided: a) The inoperative extinguisher is tagged inoperative, b) Removed from the installed location, and c) Placed out of sight so it can not be mistaken for a functional unit. |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

27-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | 3. NUMBER REQUIRED FOR DISPATCH | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|-----------------|----|---------------------|---------------------------------|--------------------------|
| 27 | FLIGHT CONTROLS | | | | |
| 1. | Pedal Trim | C | 1 | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

28-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|---------------------------------------|----|---------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | |
| | | | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 28 | FUEL | | | | |
| 1. | Fuel Quantity Gauge | B | 1 | 0 | (O) May be inoperative provided: a) An alternate approved procedure for determining fuel quantity is utilized, and b) The low fuel caution light system is operational. |
| 2. | Fuel Pressure Gauge | B | 1 | 0 | May be inoperative provided both fuel boost pump caution lights are operative. |
| 3. | Fuel Boost Pumps | B | 2 | 0 | May be inoperative provided RFM limitations are complied with. |
| 4. | Fuel Low Warning Caution Light System | C | 1 | 0 | May be inoperative provided the fuel quantity gauge is operative. |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

30-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|------------------------------------------------------------------------|----|---------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | |
| | | | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 30 | ICE AND RAIN PROTECTION | | | | |
| 1. | Pitot Heater | C | 1 | 0 | May be inoperative provided: a) OAT is above 0 degrees C OR b) Operations are not conducted in visible moisture. |
| 2. | Engine Anti-ice System | C | 1 | 0 | (M)May be inoperative provided known and forecast conditions for flight are at ambient temperatures above +4 degrees C with no visible moisture. |
| 3. | Engine Anti-ice Advisory Light System (ENG ICE) (green light) | B | 1 | 0 | May be inoperative provided a check performed prior to flight verifies a rise of the EGT when the system is activated. |
| 4. | Engine Ice Caution Light System (ENG DEICE) (amber light) | C | 1 | 0 | May be inoperative provided known and forecast conditions for flight are at ambient temperatures above +4 degrees C with no visible moisture. |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

31-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|----------------------------------------------------------------------------------------------------|----|---------------------------------|---|---------------------------------------------------------------------------------------------------------|
| | | | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 31 | INDICATING/RECORDING SYSTEMS | | | | |
| 1. | Clock, Displaying Hours, Minutes and Seconds, with Sweep Second Pointer or Electric Digital Clock. | D | 1 | 0 | |
| 2. | Hour Meter | C | 1 | 0 | (O)May be inoperative provided alternate means is utilized for recording time in service. |
| 3. | Load Indicating System | | | | |
| | a) External Load Operations | B | 1 | 0 | (O) May be inoperative provided an alternate means is utilized for determining weight of external load. |
| | b) Non-external Load Operations | D | 1 | 0 | |
| 4. | External Indicator *** Panel | D | - | 0 | |
| 5. | Elapsed Timer *** | D | - | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

32-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | 3. NUMBER REQUIRED FOR DISPATCH | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|--------------------------------|----|---------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 32 | LANDING GEAR | | | | |
| 1. | Nose Wheel Locking System | C | 1 | 0 | (O)May be inoperative provided: a) check performed prior to flight verifies the wheel is free to swivel, and b. ground operations are limited to speeds of 10 knots or less. |
| 2. | Landing Gear Skids (Bear Paws) | D | 3 | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

33-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|---------------------------------------|----|---------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 33 | LIGHTS | | | | |
| 1. | Position Light System | C | 1 | 0 | May be inoperative for day. |
| 2. | Anti-Collision Light System | C | 1 | 0 | May be inoperative for day. |
| 3. | Landing Light | C | 1 | 0 | |
| 4. | Cockpit Instrument Lighting System(s) | B | - | 0 | May be inoperative provided: a) Sufficient lighting is available to make each required instrument, control and other device for which it is provided easily readable, b) Direct rays and reflections do not impair visibility either inside or outside the aircraft, c) Lighting intensity can be controlled or preset to a satisfactory level for the expected flight condition, and d) Lighting configuration at dispatch is acceptable to the pilot. |
| 5. | Cockpit Utility Light | | | | |
| | a) for night operations | C | 2 | 1 | |
| | b) for day operations | D | 2 | 0 | |
| 6. | Cargo Area lighting System | D | 1 | 0 | |
| 7. | Strobe Light *** System | D | - | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

33-2

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|---------------------------------|----|---------------------------------|---|--------------------------|
| | | | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 33 | LIGHTS | | | | |
| 8. *** | Taxi Light | D | - | 0 | |
| 9. *** | Search Light | D | - | 0 | |
| 10. *** | External Utility Lights | D | - | 0 | |
| 11. *** | Supplemental Lighting System | D | - | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

34-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|------------------------------------------------|----|---------------------------------|---|-----------------------------------------------------------------------------------------------|
| | | | | | |
| | | | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 34 | NAVIGATION | | | | |
| 1. | Gyroscopic Rate of Turn with Slip Indicator | C | 1 | 0 | As required by FAR. |
| 2. | Gyroscopic Bank and Pitch Indicator | C | 1 | 0 | As required by FAR. |
| 3. | Vertical Speed Indicator | C | 1 | 0 | As required by FAR. |
| 4. | OAT/Free Air | C | 1 | 0 | May be inoperative provided approved alternate onboard OAT source is installed and operative. |
| 5. *** | Directional Gyro | C | - | 0 | As required by FAR. |
| 6. *** | ATC Transponder | C | - | 0 | As required by FAR. |
| 7.. *** | Altitude Encoder | C | - | 0 | As required by FAR. |
| 8. *** | Navigation Equipment | D | - | 0 | As required by FAR. |
| 9. *** | Weather Radar/Thunderstorm Detection Equipment | D | - | 0 | |
| 10. *** | Marker Beacon | D | - | 0 | As required by FAR. |
| 11. *** | Flight Director | D | - | 0 | |
| 12. *** | Radar Altimeter | D | - | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

34-2

| SYSTEM & SEQUENCE NUMBERS | ITEM | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|-------------------------------|---------------------|---------------------------------|--------------------------|
| | | 1. | 3. NUMBER REQUIRED FOR DISPATCH | |
| 34 | NAVIGATION | | | |
| 13. *** | DME | D | - 0 | As required by FAR. |
| 14. *** | RMI | D | - 0 | |
| 15. *** | Standby Attitude Indicator | D | - 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

53-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | 3. NUMBER REQUIRED FOR DISPATCH | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|----------------|----|---------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 53 | FUSELAGE | | | | |
| 1. | Work Platforms | C | 2 | 0 | May be operated with either or both work platforms removed. Aircraft shall not be flown with a non stowable work platform. |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

56-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|--------------------------------------|----|---------------------------------|---|--------------------------|
| | | | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 56 | WINDOWS | | | | |
| 1. | Cockpit Door Folding Windows | D | 2 | 0 | |
| 2. | Right Cockpit Door Sliding Window | D | 1 | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

65-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|------------------------------------------------------------|---------------------|---------------------------------|------------------------------------------------------------------------------------------|
| | | 1. | 3. NUMBER REQUIRED FOR DISPATCH | |
| 65 | ROTORS | | | |
| 1. | Main Gear Box (MGB) B Chip Detector Fuzz Burn System | 1 | 0 | |
| 2. | Rotor Brake System | C 1 | 0 | (O)May be inoperative provided a check is performed to determine the rotor disc is free. |
| 3. | Rotor Blade Tracking System | C 2 | 0 | |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

71-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS | |
|---------------------------------|-------------------------------------------------------------|---------------------|---------------------------------|--------------------------|----------------------------------------------------------------------------------------|
| | | 1. | 3. NUMBER REQUIRED FOR DISPATCH | | |
| 71 | POWERPLANT | | | | |
| 1. | Engine Inlet Self Purging Partial Separator System | C | 1 | 0 | May be inoperative provided operations are conducted in accordance with the RFM. |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

77-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 1. | 2. NUMBER INSTALLED | 3. NUMBER REQUIRED FOR DISPATCH | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|-------------------------------------|----|---------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 77 | ENGINE INDICATING | | | | |
| 1. | Tachometer, Dual Indicating (N2/Nr) | B | 1 | (* | N2 indicator may be inoperative provided N1 Tachometer and Engine Torque indicators are operative. |
| | | | | | (* Note for Column 3: Nr must be operative. |
| 2. | EGT Indicator | B | 1 | 0 | May be inoperative provided: a) either the analog or digital function is operative, and b) when recording function is inoperative an alternate means of recording cycles and exceedances is utilized. |
| 3. | Torque Indicator | B | 1 | 0 | May be inoperative provided: a) either the analog or digital function is operative, and b) when recording function is inoperative an alternate means of recording exceedances is utilized. |
| 4. | Engine N1 Tach | B | 1 | 0 | May be inoperative provided: a) either the analog or digital function is operative, and b) when recording function is inoperative an alternate means of recording exceedances is utilized. |

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT:

K-1200

REVISION NO: ORIGINAL

PAGE:

DATE: 11/02/1994

79-1

| SYSTEM & SEQUENCE NUMBERS | ITEM | 2. NUMBER INSTALLED | | 4. REMARKS OR EXCEPTIONS |
|---------------------------------|---------------------------------------------|---------------------|---------------------------------|--------------------------|
| | | 1. | 3. NUMBER REQUIRED FOR DISPATCH | |
| 79 | ENGINE OIL | | | |
| 1. | Engine Chip Detector Fuzz Burn System | B | 1 0 | |

